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data report

PHYSICAL, CHEMICAL AND BIOLOGICAL DATA

TASADAY EXPEDITION

Leg I 5 June - 1 July 1973

Leg II 8 - 18 July 1973

Leg III 22 July - 4 August 1973

Leg IV 13 August - 6 September 1973

SIO Reference 91-28
1 December 1991

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TASADAY Expedition - Legs I, II, III and IV

Leg I, 5 June - 1 July 1973

Leg II, 8 - 15 July 1973

Leg III, 22 July - 4 August 1973

Leg IV, 13 August - 6 September 1973

Sponsored by

National Science Foundation
Office of Naval Research

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1 December 1991



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Edward A. Frieman, Director

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INTRODUCTION

TASADAY EXPEDITION aboard RV *Thomas Washington* was a multidisciplinary oceanographic expedition in the Pacific and Indian Oceans during 1973-1974. This report presents the physical, chemical and some of the biological data for Legs I, II, III and the physical and chemical data for Leg IV, all in the Pacific Ocean during 1973. These and other data not included in this report resulted in publications listed in the CONTENTS. No physical, chemical, or biological data were collected during Legs V, VI or VII. Data collected during 1974 will appear in a later report.

Preceding the tabulated data for Legs I, II and III and for Leg IV of this Expedition are: (1) a description of the principal objectives and the hydrographic work carried out; (2) a description of any "non-standard" procedure; (3) a list of station positions with date, time and type of data collected; (4) a chart of station positions and (5) a list of scientific personnel participating in the collection of data.

The physical and chemical data were collected in part and processed by the Data Collection and Processing Group, Marine Life Research Group (DCPG, MLRG), Scripps Institution of Oceanography. The final processing and publication of the data were supported by MLRG and the Data Rescue Program of the National Oceanographic Data Center (NODC).

STANDARD PROCEDURES

Hydrographic Cast Data

Temperature was measured using paired deep-sea reversing thermometers and is reported to hundredths of a Celsius degree. Most Nansen bottles below 100 meters included unprotected (pressure) thermometers for depth determination.

Water samples on most stations were collected by Nansen bottles hung on the STD wire in conjunction with STD lowerings. Salinity for Legs I and III (no samples were collected during Leg II) was determined using an inductive salinometer. Samples from shallow casts on Leg IV were determined by inductive salinometer; a University of Washington (1960) conductive bridge was used to determine samples from deep casts. The values, tabulated in parts per thousand (‰), are reported to three decimal places provided the values meet accepted standards. The values are reported to two places when only one determination per sample was obtained or when the accuracy of a particular sample is in doubt.

Dissolved oxygen was determined by the Winkler method as modified by Carpenter (1965), using the equipment and procedures outlined by Anderson (1971). Determinations were made of reactive phosphate, reactive silicate, nitrite and nitrate with an automated analyzer by methods suggested by Strickland and Parsons (1968). Nutrient samples for many stations on Leg III were frozen for periods of four hours to six days before processing.

Chlorophyll-*a* and phaeopigments were determined from 500-550 ml water samples according to the fluorometric procedure outlined by Strickland and Parsons (1968; Sec.IV.3). The fluorometer was calibrated against a spectrophotometer using near-surface populations and cultures.

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

The Bissett-Berman Model 9006 STD operated well throughout all Legs included in this report. A few lowerings of the Bissett-Berman Model 9040 CSTD were made on Legs I and IV. Any corrections to temperature and salinity were determined by comparison with the Nansen bottle data.

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

TABULATED DATA

Hydrographic Cast Data

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

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

For the few hydrographic stations on Legs I and IV where salinity samples were collected from all Nansen bottles, data for observed depths are tabulated without interpolation. Salinities, calculated at time of collection, are tabulated in parts per thousand (‰) as in previous expedition reports. Density-related parameters have been calculated from the International Equation of State of Seawater 1980 (EOS80, UNESCO, 1981). Computed values of potential temperature, sigma-theta (σ_θ), specific volume anomaly (SVA), dynamic height or geopotential anomaly and pressure are included with the observed depths.

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

Most STD lowerings were recorded by a digital data logger (DDL) Model 8114. For a few stations where the STD was inoperable or did not begin recording at the surface, the data were digitized from the analog chart. The data are tabulated for the same standard depth levels as in earlier reports but have additional data columns as are noted for the observed data.

Chlorophyll-*a* and phaeopigments are tabulated with the hydrographic cast data.

FOOTNOTES

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

P: After depth value indicates the Nansen bottle posttripped.

U: Uncertain value. Values which seem to be in error without apparent reason.

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TASADAY EXPEDITION

LEGS I, II and III

The first Leg of the Tasaday Expedition had the dual purpose of investigating the temperature and salinity microstructure of the water column and studying various aspects of the biological energy flow, nutrient cycling and planktonic standing stocks in a "stable" oceanic community. The principal site of study for both projects was in the central gyral region of the North Pacific* although considerable work was also accomplished at a location near the western edge of the California Current. This latter site was of particular interest to the microstructure studies because of simultaneous work being conducted from a stable platform provided by the RV *FLIP* and by the USNS *Bartlett* where studies on horizontal microstructure were being carried out.

Leg II of Tasaday Expedition, in the same area of the North Pacific Gyre, provided for additional investigations which could not be included on Leg I.

Investigations conducted on Leg III were designed to provide data on the westward extent of the central gyre water mass.

TABULATED DATA

The data for Leg I consist mainly of STD tabulations at standard depths. The hydrographic data are reported as biological stations with observed depths, temperature, nutrients, chlorophyll and phaeopigments and as microstructure stations with observed depths, temperature, salinity and oxygen.

No water samples for salinity or nutrient determinations were collected for the nine stations of Leg II. The last calibration correction applied to the STD data for Leg I was continued on the data for Leg II. The hydrographic cast tabulations consist of observed depths, temperature, chlorophyll and phaeopigments.

The hydrographic cast data for Leg III again consists of observed depths, temperature, nutrients, chlorophyll and phaeopigments. However, salinity samples were collected from the top and bottom Nansen bottles for comparison with the STD data.

*SIO Reference 74-20(Climax I Expedition), SIO Reference 75-6(Climax II Expedition) and SIO Reference 90-4(Cato Expedition Legs I and IX).

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TASADAY EXPEDITION LEG I

STATION POSITIONS

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude N	Longitude W	
1	June 5	0437	32° 36.5	117° 24.5	S
2	June 6	0233	30° 50.0	121° 27.0	S
3	June 6	0412	30° 50.5	121° 27.5	S
4	June 6	0510	30° 50.0	121° 24.5	S
5	June 6	0606	30° 48.5	121° 24.5	S
6	June 6	0707	30° 47.0	121° 25.0	S
7	June 6	0811	30° 47.0	121° 24.0	S
8	June 6	0908	30° 46.5	121° 25.5	S
9	June 6	1007	30° 47.5	121° 26.0	S
10	June 6	1110	30° 44.0	121° 28.5	S
11	June 6	1218	30° 43.5	121° 28.5	S
12	June 6	2047	30° 45.0	121° 25.0	S
13	June 7	0005	30° 44.5	121° 21.0	S
5A	June 7	0218	30° 42.0	121° 10.0	H C
15	June 7	1606	30° 38.5	121° 23.5	S
16	June 7	2330	30° 38.0	121° 24.5	S
17	June 8	0159	30° 37.5	121° 25.0	S
18	June 8	0232	30° 37.0	121° 25.0	S
19	June 8	0304	30° 37.5	121° 26.5	S
20	June 8	0337	30° 38.5	121° 25.0	S
21	June 8	0424	30° 39.0	121° 24.0	S
22	June 8	0512	30° 37.0	121° 21.5	S
23	June 8	0545	30° 36.5	121° 20.5	S
24	June 8	0615	30° 35.5	121° 21.5	S
25	June 8	0646	30° 35.0	121° 22.5	S
26	June 8	0725	30° 36.5	121° 21.5	S
27	June 8	1613	30° 32.0	121° 21.5	S
28	June 8	2013	30° 32.0	121° 20.0	S
29	June 8	2235	30° 31.5	121° 21.5	S
30	June 9	1320	30° 27.0	121° 22.0	S
31	June 9	1641	30° 26.5	121° 21.0	S
32	June 9	2010	30° 25.5	121° 17.5	S
33	June 10	1236	30° 04.0	124° 29.5	S
34	June 10	1936	30° 04.0	124° 26.5	S
35	June 13	1816	29° 02.5	140° 33.5	S
36	June 13	1942	29° 02.5	140° 35.5	S
37	June 14	2114	28° 43.0	145° 46.5	S
38	June 14	2219	28° 43.5	145° 48.5	S

*S Salinity/Temperature/Depth Recorder
H Hydrographic
C Chlorophyll

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude N	Longitude W	
39	June 15	0436	28° 37.0	147° 02.0	S
40	June 15	1908	28° 20.0	150° 23.0	S
41	June 15	2008	28° 20.0	150° 14.5	S
42	June 16	1846	28° 00.5	154° 59.5	S
17	June 16	2205	28° 02.5	155° 00.5	H C
43	June 17	0051	28° 02.5	154° 59.0	S
44	June 17	1623	27° 58.5	154° 54.0	S
19	June 17	1801	28° 02.5	155° 03.0	H
45	June 17	2003	28° 02.0	155° 04.5	S
46	June 18	0001	28° 02.5	155° 05.5	S
47	June 18	0346	28° 00.0	155° 01.5	S
48	June 18	0441	28° 01.0	155° 00.0	S
49	June 18	0604	28° 01.0	155° 00.0	S
50	June 18	0654	28° 01.0	155° 00.0	S
51	June 18	0839	28° 00.5	154° 59.5	S
52	June 18	0928	28° 01.0	154° 59.5	S
53	June 18	1055	28° 01.0	154° 59.5	S
54	June 18	1219	28° 00.0	155° 00.0	S
55	June 18	1336	28° 00.0	155° 00.0	S
56	June 18	1454	27° 58.0	155° 06.5	S
57	June 18	1619	27° 58.0	155° 07.0	S
58	June 18	1925	28° 01.0	154° 59.5	S
28	June 18	2057	28° 01.5	154° 58.0	H C
59	June 19	0157	27° 58.5	154° 58.0	S
29	June 19	0245	27° 58.5	154° 58.0	H C
60	June 19	0952	27° 58.5	154° 57.5	S
30	June 19	1023	27° 58.5	154° 57.5	H C
31	June 19	1254	28° 01.5	155° 00.5	H
61	June 19	1535	28° 02.5	155° 01.0	S
32	June 19	1605	28° 02.5	155° 01.0	H C
62	June 19	1751	28° 02.5	155° 01.0	S
63	June 20	0133	27° 56.5	154° 59.0	S
64	June 20	1502	28° 04.5	154° 42.5	S
35	June 20	1531	28° 04.5	154° 42.5	H C
65	June 20	1717	28° 00.5	154° 40.5	S
66	June 20	1913	28° 01.0	154° 40.5	S
37	June 20	2105	28° 01.5	154° 41.0	H C
67	June 21	0208	28° 04.0	154° 35.5	S
38	June 21	0237	28° 04.0	154° 35.5	H C
68	June 21	0939	27° 59.5	154° 39.0	S
39	June 21	1017	27° 59.5	154° 39.0	H C
40	June 21	1315	28° 00.0	154° 40.0	H
69	June 21	1642	27° 58.5	154° 36.0	S
70	June 22	0107	27° 58.5	154° 42.0	S
71	June 22	1349	28° 10.0	154° 39.0	S
43	June 22	1421	28° 10.0	154° 39.0	H C
72	June 22	1646	28° 10.5	154° 40.0	S
73	June 22	1923	28° 11.0	154° 41.0	S

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude N	Longitude W	
45	June 22	2045	28° 11.0	154° 41.0	H C
74	June 23	0155	28° 06.0	154° 37.0	S
46	June 23	0229	28° 05.5	154° 37.0	H C
75	June 23	0812	28° 15.5	154° 33.5	S
47	June 23	0853	28° 14.0	154° 33.5	H C
48	June 23	1308	28° 09.5	154° 42.5	H
76	June 23	1716	28° 09.0	154° 39.0	S
77	June 23	2132	28° 08.0	154° 41.0	S
78	June 24	0654	28° 06.5	154° 35.5	S
79	June 24	0855	28° 05.0	154° 34.0	S
80	June 24	1412	28° 09.5	155° 00.0	S
52	June 24	1447	28° 09.5	155° 00.0	H C
81	June 24	1700	28° 10.0	154° 59.0	S
82	June 24	1944	28° 09.0	154° 58.0	S
53	June 24	2110	28° 10.0	154° 58.5	H C
83	June 25	0139	28° 05.5	155° 00.5	S
54	June 25	0211	28° 05.5	155° 00.5	H C
84	June 25	0739	28° 15.5	154° 58.5	S
55	June 25	0815	28° 15.5	154° 58.5	H C
56	June 25	1056	28° 10.5	154° 59.0	H
85	June 25	1557	28° 09.5	155° 00.5	S
86	June 25	1952	28° 08.0	155° 00.5	S
87	June 25	2016	28° 08.0	155° 00.5	S
88A	June 26	0024	28° 10.0	155° 01.5	S
88B	June 26	0034	28° 10.0	155° 01.5	S
88C	June 26	0046	28° 10.0	155° 01.5	S
90	June 26	0731	28° 10.5	155° 08.5	S
91	June 26	1318	28° 19.5	154° 59.0	S
92	June 26	1355	28° 19.5	154° 59.0	S
64	June 26	1428	28° 19.5	154° 59.0	H C
93	June 26	1940	28° 17.0	155° 01.0	S
65	June 26	2054	28° 17.0	155° 01.0	H C
94	June 27	0156	28° 20.5	155° 02.0	S
66	June 27	0229	28° 20.5	155° 02.0	H C
95	June 27	0817	28° 16.0	155° 01.5	S
67	June 27	0851	28° 16.5	155° 00.0	H C
68	June 27	1200	28° 20.5	154° 59.5	H
96	June 27	2123	28° 37.0	155° 14.0	S
97	June 28	0113	28° 20.0	154° 59.0	S
98	June 28	0850	28° 17.5	154° 53.5	S
71	June 28	1032	28° 17.5	154° 54.0	H
100	June 28	1614	28° 17.5	154° 37.5	S
72	June 28	1630	28° 17.5	154° 37.5	H C
101	June 28	1919	28° 21.0	154° 40.5	S
73	June 28	2053	28° 21.0	154° 40.0	H C
102	June 29	0152	28° 16.5	154° 34.0	S
74	June 29	0222	28° 15.5	154° 33.0	H C
103	June 29	0815	28° 22.0	154° 39.5	S

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude N	Longitude W	
75	June 29	0847	28° 22.0	154° 39.5	H C
76	June 29	1142	28° 18.0	154° 37.0	H
104	June 29	1622	28° 18.5	154° 40.0	S
105	June 29	1640	28° 18.5	154° 40.0	S
106	June 29	2323	28° 30.5	154° 27.5	S
107	July 1	0210	27° 18.0	154° 35.5	S
108	July 1	0309	27° 17.0	154° 35.5	S
109	July 1	0403	27° 24.5	154° 33.5	S
110	July 1	0450	27° 24.0	154° 33.5	S
111	July 1	0600	27° 25.5	154° 35.0	S
112	July 1	0644	27° 25.5	154° 35.0	S
113	July 1	0749	27° 25.5	154° 34.0	S
114	July 1	0911	27° 25.0	154° 34.0	S
115	July 1	0946	27° 25.0	154° 34.0	S

PERSONNEL

TASADAY EXPEDITION, LEG I

SHIP'S CAPTAIN

Newbegin, Robert C.

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

Beers, John R.	Co-Chief Scientist, SIO
Gregg, Michael C.	Co-Chief Scientist, SIO
Cuhel, R.L.	Student/Technician, SIO
Heinbokel, J.F.	Graduate Student, SIO
Johnson, C.L.	Graduate Student, SIO
Johnson, W.P.	Electronic Technician, SIO
Kaye, H. Ross	Electronic Technician, SIO
Lucas, Jack C.	Technician, SIO
Moe, Ronald L.	Computer Technician, SIO
Morris, Jr., G.R.	Computer Consultant
Mullin, Michael M.	Associate Professor, SIO
Parks, W. Martin	Electronic Technician, SIO
Perry, M.J.	Graduate Student, SIO
Renger, Edward H.	Staff Research Associate, SIO
Shulenberger, Eric	Graduate Student, SIO
Smith, J.R.	Graduate Student, SIO
Venrick, Elizabeth L.	Assistant Research Biologist, SIO
Wells, James A.	Resident Technician, SIO

STD 1

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 2

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
32 36.5 N	117 24.5 W	05/06/73	0437 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	16.86	16.86	33.65	24.512
10	16.74	16.74	33.63	24.525
20	15.10	15.10	33.59	24.865
30	12.83	12.83	33.54	25.297
50	11.26	11.25	33.56	25.609
75	10.27	10.26	33.78	25.955
100	9.85	9.84	33.88	26.105
125	9.27	9.26	33.95	26.255
150	8.83	8.81	33.95	26.326
200	7.98	7.96	34.00	26.495
250	7.45	7.43	34.04	26.603
300	6.83	6.80	34.08	26.721
400	6.71	6.67	34.26	26.880
500	6.17	6.13	34.30	26.984
600	5.51	5.46	34.35	27.106
700	5.05	4.99	34.39	27.193
750	4.84	4.78	34.41	27.233

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 50.0 N	121 27.0 W	06/06/73	0233 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	16.03	16.03	33.45	24.550
10	16.00	16.00	33.45	24.557
20	15.77	15.77	33.46	24.617
30	15.68	15.68	33.47	24.645
50	15.16	15.15	33.53	24.806
75	15.34	15.33	33.65	24.860
100	14.82	14.81	33.60	24.936
125	12.18	12.16	33.35	25.277
150	10.82	10.80	33.52	25.659
200	9.21	9.19	33.81	26.157
250	8.30	8.27	33.98	26.432
300	7.62	7.59	34.03	26.572
400	6.42	6.38	34.07	26.769

STD 3

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 4

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 50.5 N	121 27.5 W	06/06/73	0412 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	15.98	15.98	33.46	24.569
10	15.97	15.97	33.46	24.571
20	15.78	15.78	33.46	24.614
30	15.68	15.68	33.48	24.652
50	15.31	15.30	33.58	24.812
75	14.96	14.95	33.53	24.851
100	14.73	14.72	33.57	24.932
125	11.91	11.89	33.38	25.351
150	10.76	10.74	33.57	25.708
200	9.24	9.22	33.79	26.136
250	8.42	8.39	33.99	26.422
300	7.72	7.69	34.00	26.534
400	6.37	6.33	34.08	26.783

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 50.0 N	121 24.5 W	06/06/73	0510 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	15.95	15.95	33.46	24.575
10	15.95	15.95	33.47	24.583
20	15.74	15.74	33.46	24.623
30	15.62	15.62	33.48	24.666
50	15.06	15.05	33.46	24.774
75	14.93	14.92	33.55	24.873
100	14.28	14.27	33.44	24.927
125	12.16	12.14	33.36	25.289
150	11.16	11.14	33.50	25.583
200	9.23	9.21	33.81	26.153
250	8.56	8.53	33.98	26.393
300	7.87	7.84	34.03	26.536
400	6.50	6.46	34.08	26.766

STD 5

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 6

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 48.5 N	121 24.5 W	06/06/73	0606 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	15.95	15.95	33.46	24.575
10	15.95	15.95	33.46	24.576
20	15.88	15.88	33.46	24.592
30	15.52	15.52	33.46	24.673
50	15.09	15.08	33.51	24.806
75	14.96	14.95	33.59	24.897
100	13.94	13.93	33.46	25.013
125	12.12	12.10	33.39	25.320
150	11.54	11.52	33.49	25.506
200	9.35	9.33	33.79	26.119
250	8.40	8.37	34.00	26.433
300	7.61	7.58	34.02	26.566
400	6.42	6.38	34.09	26.785

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 47.0 N	121 25.0 W	06/06/73	0707 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	15.96	15.96	33.46	24.573
10	15.96	15.96	33.47	24.581
20	15.93	15.93	33.47	24.588
30	15.79	15.79	33.47	24.620
50	15.08	15.07	33.45	24.762
75	14.87	14.86	33.49	24.839
100	14.71	14.70	33.58	24.944
125	12.83	12.81	33.42	25.207
150	11.64	11.62	33.50	25.495
200	9.39	9.37	33.78	26.104
250	8.61	8.58	33.98	26.385
300	7.60	7.57	34.02	26.567
400	6.43	6.39	34.08	26.775

STD 7

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 8

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 47.0 N	121 24.0 W	06/06/73	0811 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	15.95	15.95	33.46	24.575
10	15.95	15.95	33.47	24.583
20	15.95	15.95	33.47	24.584
30	15.95	15.95	33.47	24.584
50	15.42	15.41	33.48	24.711
75	15.04	15.03	33.52	24.826
100	14.79	14.78	33.56	24.911
125	13.39	13.37	33.45	25.118
150	12.12	12.10	33.48	25.390
200	9.79	9.77	33.69	25.968
250	8.90	8.87	33.92	26.293
300	7.85	7.82	34.03	26.539
400	6.30	6.26	34.09	26.800

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 46.5 N	121 25.5 W	06/06/73	0908 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	15.88	15.88	33.47	24.599
10	15.89	15.89	33.47	24.597
20	15.89	15.89	33.48	24.605
30	15.88	15.88	33.48	24.608
50	15.50	15.49	33.50	24.709
75	15.11	15.10	33.56	24.841
100	14.94	14.93	33.62	24.925
125	13.38	13.36	33.40	25.082
150	11.49	11.47	33.52	25.538
200	9.58	9.56	33.74	26.042
250	8.64	8.61	33.95	26.357
300	7.59	7.56	34.04	26.584
400	6.29	6.25	34.08	26.793

STD 9										RV THOMAS WASHINGTON										TASADAY EXPEDITION LEG I										STD 10																	
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM																			
30 47.5 N		121 26.0 W		06/06/73		1007 GMT		M		30 44.0 N		121 28.5 W		06/06/73		1110 GMT		M		30 44.0 N		121 28.5 W		06/06/73		1110 GMT		M																			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS													DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS													DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR													M	DEG C	DEG C		THETA			D.BAR													M	DEG C	DEG C		THETA			D.BAR
0	15.87	15.87	33.48	24.609	332.0	0.000	0													0	15.84	15.84	33.48	24.615	331.4	0.000	0													0	15.84	15.84	33.48	24.615	331.4	0.000	0
10	15.88	15.88	33.48	24.607	332.5	0.033	10													10	15.85	15.85	33.48	24.614	331.9	0.033	10													10	15.85	15.85	33.48	24.614	331.9	0.033	10
20	15.88	15.88	33.48	24.607	332.8	0.066	20													20	15.84	15.84	33.48	24.616	331.9	0.066	20													20	15.84	15.84	33.48	24.616	331.9	0.066	20
30	15.82	15.82	33.46	24.606	333.3	0.100	30													30	15.76	15.76	33.48	24.634	330.5	0.099	30													30	15.76	15.76	33.48	24.634	330.5	0.099	30
50	15.49	15.48	33.51	24.718	323.1	0.165	50													50	15.58	15.57	33.51	24.698	325.0	0.165	50													50	15.58	15.57	33.51	24.698	325.0	0.165	50
75	15.27	15.26	33.60	24.837	312.6	0.245	76													75	15.39	15.38	33.67	24.865	310.0	0.244	76													75	15.39	15.38	33.67	24.865	310.0	0.244	76
100	14.93	14.92	33.64	24.943	303.3	0.322	101													100	14.99	14.97	33.66	24.945	303.0	0.321	101													100	14.99	14.97	33.66	24.945	303.0	0.321	101
125	13.40	13.38	33.44	25.109	287.9	0.396	126													125	12.98	12.96	33.50	25.239	275.4	0.393	126													125	12.98	12.96	33.50	25.239	275.4	0.393	126
150	11.52	11.50	33.51	25.525	248.5	0.463	151													150	11.49	11.47	33.52	25.538	247.2	0.459	151													150	11.49	11.47	33.52	25.538	247.2	0.459	151
200	9.52	9.50	33.75	26.060	198.2	0.574	201													200	9.46	9.44	33.77	26.085	195.8	0.569	201													200	9.46	9.44	33.77	26.085	195.8	0.569	201
250	8.46	8.43	33.98	26.408	165.7	0.665	252													250	8.39	8.36	33.99	26.426	163.9	0.659	252													250	8.39	8.36	33.99	26.426	163.9	0.659	252
300	7.54	7.51	34.04	26.591	148.7	0.744	302													300	7.43	7.40	34.03	26.599	147.9	0.737	302													300	7.43	7.40	34.03	26.599	147.9	0.737	302
400	6.34	6.30	34.09	26.795	130.1	0.883	403													400	6.29	6.25	34.11	26.817	127.9	0.875	403													400	6.29	6.25	34.11	26.817	127.9	0.875	403

STD 11										RV THOMAS WASHINGTON										TASADAY EXPEDITION LEG I										STD 12									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM											
30 43.5 N		121 28.5 W		06/06/73		1218 GMT		M		30 45.0 N		121 25.0 W		06/06/73		1047 GMT		M		30 45.0 N		121 25.0 W		06/06/73		1047 GMT		M											
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS								
M	DEG C	DEG C		THETA			D.BAR	M	DEG C	DEG C		THETA			D.BAR	M	DEG C	DEG C		THETA			D.BAR	M	DEG C	DEG C		THETA			D.BAR								
0	15.91	15.91	33.47	24.592	333.6	0.000	0	0	16.04	16.04	33.48	24.570	335.7	0.000	0	0	15.91	15.91	33.47	24.592	333.6	0.000	0	10	15.92	15.92	33.47	24.590	334.1	0.033	10								
10	15.92	15.92	33.47	24.590	334.1	0.033	10	10	15.99	15.99	33.47	24.574	335.6	0.034	10	10	15.99	15.99	33.47	24.574	335.6	0.034	10	20	15.93	15.93	33.47	24.588	334.6	0.067	20								
20	15.93	15.93	33.47	24.588	334.6	0.067	20	20	15.96	15.96	33.48	24.589	334.5	0.067	20	20	15.96	15.96	33.48	24.589	334.5	0.067	20	30	15.90	15.90	33.47	24.595	334.2	0.100	30								
30	15.90	15.90	33.47	24.595	334.2	0.100	30	30	15.89	15.89	33.47	24.598	334.0	0.100	30	30	15.89	15.89	33.47	24.598	334.0	0.100	30	50	15.32	15.31	33.52	24.764	318.8	0.166	50								
50	15.32	15.31	33.52	24.764	318.8	0.166	50	50	15.35	15.34	33.52	24.757	319.4	0.166	50	50	15.35	15.34	33.52	24.757	319.4	0.166	50	75	15.14	15.13	33.57	24.842	312.1	0.244	76								
75	15.14	15.13	33.57	24.842	312.1	0.244	76	75	15.12	15.11	33.57	24.847	311.7	0.245	76	75	15.12	15.11	33.57	24.847	311.7	0.245	76	100	14.48	14.47	33.56	24.977	299.9	0.321	101								
100	14.48	14.47	33.56	24.977	299.9	0.321	101	100	14.92	14.91	33.60	24.914	306.0	0.322	101	100	14.92	14.91	33.60	24.914	306.0	0.322	101	125	12.26	12.24	33.26	25.192	279.6	0.393	126								
125	12.26	12.24	33.26	25.192	279.6	0.393	126	125	12.90	12.88	33.41	25.185	280.5	0.395	126	125	12.90	12.88	33.41	25.185	280.5	0.395	126	150	11.06	11.04	33.49	25.593	241.9	0.459	151								
150	11.06	11.04	33.49	25.593	241.9	0.459	151	150	11.48	11.46	33.38	25.431	257.3	0.462	151	150	11.48	11.46	33.38	25.431	257.3	0.462	151	200	9.33	9.31	33.79	26.122	192.2	0.567	201								
200	9.33	9.31	33.79	26.122	192.2	0.567	201	200	9.40	9.38	33.76	26.087	195.5	0.576	201	200	9.40	9.38	33.76	26.087	195.5	0.576	201	250	8.63	8.60	33.97	26.374	169.0	0.657	252								
250	8.63	8.60	33.97	26.374	169.0	0.657	252	250	8.67	8.64	33.96	26.360	170.4	0.667	252	250	8.67	8.64	33.96	26.360	170.4	0.667	252	300	7.67	7.64	34.03	26.565	151.3	0.737	302								
300	7.67	7.64	34.03	26.565	151.3	0.737	302	300	7.85	7.82	34.04	26.547	153.1	0.748	302	300	7.85	7.82	34.04	26.547	153.1	0.748	302	400	6.30	6.26	34.08	26.792	130.3	0.878	403								
400	6.30	6.26	34.08	26.792	130.3	0.878	403	400	6.33	6.29	34.07	26.780	131.4	0.890	403	400	6.33	6.29	34.07	26.780	131.4	0.890	403	500	5.65	5.61	34.20	26.969	114.3	1.001	504								
500	5.65	5.61	34.20	26.969	114.3	1.001	504	500	5.65	5.61	34.20	26.969	114.3	1.013	504	500	5.65	5.61	34.20	26.969	114.3	1.013	504	600	5.18	5.13	34.29	27.097	102.9	1.109	605								
600	5.18	5.13	34.29	27.097	102.9	1.109	605	600	5.23	5.18	34.28	27.084	104.2	1.122	605	600	5.23	5.18	34.28	27.084	104.2	1.122	605	700	4.78	4.72	34.36	27.199	93.9	1.208	706								
700	4.78	4.72	34.36	27.199	93.9	1.208	706	700	4.82	4.76	34.35	27.187	95.1	1.222	706	700	4.82	4.76	34.35	27.187	95.1	1.222	706	750	4.64	4.58	34.39	27.239	90.5	1.254	757								
750	4.64	4.58	34.39	27.239	90.5	1.254	757	750	4.64	4.58	34.39	27.239	90.5	1.269	757	750	4.64	4.58	34.39	27.239	90.5	1.269	757																

STD 18

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 19

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 37.0 N	121 25.0 W	08/06/73	0232 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.17	16.17	33.49	24.549
10	16.04	16.04	33.48	24.571
20	16.00	16.00	33.48	24.580
30	15.63	15.63	33.45	24.641
50	15.32	15.31	33.60	24.825
75	15.11	15.10	33.60	24.872
100	14.38	14.37	33.50	24.952
125	12.22	12.20	33.27	25.208
150	11.15	11.13	33.42	25.522
200	9.29	9.27	33.79	26.128
250	8.41	8.38	33.95	26.392
300	7.52	7.49	34.02	26.578
400	6.31	6.27	34.09	26.799

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 37.5 N	121 26.5 W	08/06/73	0304 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.31	16.31	33.48	24.509
10	16.13	16.13	33.48	24.550
20	16.04	16.04	33.48	24.571
30	15.63	15.63	33.47	24.656
50	15.26	15.25	33.56	24.808
75	15.16	15.15	33.65	24.900
100	14.30	14.29	33.52	24.985
125	11.85	11.83	33.46	25.425
150	10.62	10.60	33.48	25.662
200	9.29	9.27	33.80	26.136
250	8.42	8.39	33.98	26.414
300	7.68	7.65	34.03	26.563
400	6.35	6.31	34.07	26.778

STD 20

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 21

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 38.5 N	121 25.0 W	08/06/73	0337 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.23	16.23	33.44	24.496
10	16.15	16.15	33.46	24.530
20	15.99	15.99	33.44	24.552
30	15.68	15.68	33.40	24.591
50	15.04	15.03	33.44	24.763
75	14.95	14.94	33.59	24.899
100	14.24	14.23	33.48	24.966
125	12.37	12.35	33.50	25.358
150	10.61	10.59	33.53	25.703
200	9.26	9.24	33.82	26.156
250	8.43	8.40	33.98	26.412
300	7.64	7.61	34.05	26.585
400	6.33	6.29	34.10	26.804

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 39.0 N	121 24.0 W	08/06/73	0424 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.21	16.21	33.51	24.555
10	15.99	15.99	33.47	24.574
20	15.67	15.67	33.48	24.654
30	15.45	15.45	33.47	24.696
50	14.89	14.88	33.44	24.796
75	14.95	14.94	33.59	24.899
100	13.83	13.82	33.51	25.074
125	12.09	12.07	33.52	25.426
150	10.50	10.48	33.57	25.754
200	9.25	9.23	33.83	26.166
250	8.38	8.35	33.99	26.428
300	7.56	7.53	34.01	26.565
400	6.30	6.26	34.07	26.784

STD 22

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 23

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 37.0 N	121 21.5 W	08/06/73	0512 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.35	16.35	33.53	24.538
10	16.28	16.28	33.53	24.555
20	16.00	16.00	33.51	24.603
30	15.87	15.87	33.50	24.625
50	15.25	15.24	33.47	24.740
75	14.65	14.64	33.47	24.871
100	14.11	14.10	33.50	25.009
125	11.99	11.97	33.52	25.445
150	10.86	10.84	33.56	25.683
200	9.34	9.32	33.80	26.128
250	8.39	8.36	33.98	26.418
300	7.63	7.60	34.01	26.555
400	6.39	6.35	34.07	26.773

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 36.5 N	121 20.5 W	08/06/73	0545 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.40	16.40	33.51	24.511
10	16.40	16.40	33.51	24.512
20	16.11	16.11	33.53	24.594
30	15.87	15.87	33.52	24.641
50	15.31	15.30	33.48	24.735
75	14.57	14.56	33.46	24.880
100	14.10	14.09	33.54	25.042
125	12.40	12.38	33.53	25.375
150	10.87	10.85	33.50	25.634
200	9.30	9.28	33.80	26.135
250	8.46	8.43	33.98	26.408
300	7.63	7.60	34.00	26.547
400	6.35	6.31	34.08	26.786

STD 24

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 25

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 35.5 N	121 21.5 W	08/06/73	0615 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.29	16.29	33.53	24.552
10	16.29	16.29	33.53	24.552
20	15.97	15.97	33.51	24.610
30	15.95	15.95	33.51	24.615
50	15.03	15.02	33.45	24.773
75	14.86	14.85	33.55	24.888
100	13.93	13.92	33.52	25.062
125	12.00	11.98	33.55	25.467
150	10.71	10.69	33.53	25.686
200	9.22	9.20	33.82	26.163
250	8.51	8.48	33.97	26.392
300	7.51	7.48	34.01	26.572
400	6.39	6.35	34.07	26.773

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 35.0 N	121 22.5 W	08/06/73	0646 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THTA
0	16.19	16.19	33.49	24.544
10	16.19	16.19	33.49	24.544
20	16.02	16.02	33.49	24.583
30	15.81	15.81	33.49	24.631
50	15.37	15.36	33.53	24.760
75	15.06	15.05	33.60	24.883
100	13.96	13.95	33.49	25.032
125	11.93	11.91	33.49	25.433
150	10.97	10.95	33.56	25.663
200	9.28	9.26	33.81	26.146
250	8.55	8.52	33.97	26.386
300	7.61	7.58	34.03	26.573
400	6.34	6.30	34.09	26.795

STD 26

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 27

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 36.5 N	121 21.5 W	08/06/73	0725 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C	THETA	HT
0	16.16	16.16	33.51	24.566
10	16.16	16.16	33.51	24.567
20	16.00	16.00	33.49	24.588
30	15.97	15.97	33.49	24.595
50	15.21	15.20	33.44	24.726
75	14.93	14.92	33.54	24.865
100	14.56	14.55	33.54	24.945
125	12.34	12.32	33.49	25.355
150	11.08	11.06	33.55	25.636
200	9.30	9.28	33.81	26.142
250	8.55	8.52	33.97	26.386
300	7.53	7.50	34.02	26.577
400	6.33	6.29	34.08	26.788

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 32.0 N	121 21.5 W	08/06/73	1613 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C	THETA	HT
0	16.37	16.37	33.51	24.518
10	16.32	16.32	33.51	24.530
20	16.10	16.10	33.52	24.588
30	15.83	15.83	33.51	24.642
50	15.08	15.07	33.47	24.778
75	14.83	14.82	33.52	24.871
100	14.12	14.11	33.51	25.014
125	12.42	12.40	33.48	25.332
150	11.27	11.25	33.55	25.602
200	9.12	9.10	33.86	26.210
250	8.37	8.34	33.99	26.429
300	7.59	7.56	34.02	26.569
400	6.34	6.30	34.08	26.787
500	5.71	5.67	34.18	26.946
600	5.35	5.30	34.28	27.070
700	4.95	4.89	34.36	27.180
750	4.84	4.78	34.40	27.225

STD 28

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 29

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 32.0 N	121 20.0 W	08/06/73	2013 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C	THETA	HT
0	16.39	16.39	33.51	24.514
10	16.16	16.16	33.52	24.574
20	16.00	16.00	33.51	24.603
30	15.63	15.63	33.49	24.671
50	14.92	14.91	33.44	24.789
75	14.62	14.61	33.49	24.893
100	13.78	13.77	33.45	25.038
125	11.99	11.97	33.48	25.414
150	10.83	10.81	33.53	25.665
200	9.08	9.06	33.85	26.209
250	8.33	8.30	34.00	26.443
300	7.48	7.45	33.99	26.561
400	6.39	6.35	34.07	26.773
500	5.71	5.67	34.18	26.946
600	5.19	5.14	34.28	27.088
700	4.95	4.89	34.38	27.196
750	4.79	4.73	34.40	27.230

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 31.5 N	121 21.5 W	08/06/73	2235 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C	THETA	HT
0	16.99	16.99	33.51	24.374
10	16.40	16.40	33.56	24.550
20	16.11	16.11	33.52	24.586
30	15.73	15.73	33.52	24.672
50	14.97	14.96	33.45	24.786
75	14.66	14.65	33.50	24.892
100	13.95	13.94	33.46	25.011
125	12.33	12.31	33.49	25.357
150	10.77	10.75	33.52	25.667
200	9.40	9.38	33.75	26.079
250	8.57	8.54	33.96	26.375
300	7.65	7.62	33.97	26.521

STD 30

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 31

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 27.0 N	121 22.0 W	09/06/73	1320 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C	THETA	HT
0	16.79	16.79	33.51	24.421
10	16.24	16.24	33.53	24.564
20	16.11	16.11	33.53	24.594
30	15.90	15.90	33.52	24.634
50	15.08	15.07	33.45	24.762
75	14.84	14.83	33.52	24.869
100	14.41	14.40	33.52	24.961
125	12.71	12.69	33.50	25.292
150	11.01	10.99	33.51	25.617
200	9.32	9.30	33.80	26.131
250	8.47	8.44	33.98	26.406
300	7.70	7.67	34.01	26.545
400	6.39	6.35	34.08	26.781
500	5.71	5.67	34.19	26.954
600	5.24	5.19	34.28	27.083
700	4.95	4.89	34.39	27.204
800	4.58	4.52	34.43	27.278
1000	3.91	3.83	34.49	27.397

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 26.5 N	121 21.0 W	09/06/73	1641 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C	THETA	HT
0	16.66	16.66	33.50	24.444
10	16.30	16.30	33.48	24.512
20	16.05	16.05	33.52	24.600
30	15.80	15.80	33.52	24.656
50	15.16	15.15	33.47	24.760
75	14.66	14.65	33.49	24.884
100	14.15	14.14	33.53	25.024
125	12.65	12.63	33.50	25.304
150	11.04	11.02	33.52	25.620
200	9.30	9.28	33.82	26.150
250	8.52	8.49	33.98	26.399
300	7.71	7.68	34.01	26.543
400	6.43	6.39	34.07	26.767
500	5.78	5.74	34.17	26.930
600	5.29	5.24	34.28	27.077
700	5.01	4.95	34.38	27.189
800	4.57	4.51	34.41	27.263
1000	3.95	3.87	34.49	27.393
1200	3.44	3.35	34.53	27.477
1500	2.78	2.67	34.57	27.571

STD 32

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 33

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 25.5 N	121 17.5 W	09/06	2010 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	16.76	16.76	33.51	24.428
10	16.46	16.46	33.48	24.475
20	15.95	15.95	33.45	24.568
30	15.80	15.80	33.50	24.641
50	15.00	14.99	33.43	24.764
75	14.66	14.65	33.44	24.846
100	14.06	14.05	33.40	24.942
125	12.14	12.12	33.47	25.378
150	10.63	10.61	33.50	25.676
200	9.16	9.14	33.82	26.172
250	8.47	8.44	33.95	26.383
300	7.64	7.61	33.99	26.538
400	6.38	6.34	34.05	26.758
500	5.84	5.80	34.19	26.938
600	5.29	5.24	34.29	27.085
700	4.87	4.81	34.35	27.181
750	4.70	4.64	34.38	27.224

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 04.0 N	124 29.5 W	10/06/73	1236 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	16.95	16.95	33.71	24.537
10	16.96	16.96	33.71	24.535
20	17.02	17.02	33.85	24.629
30	16.99	16.99	33.90	24.675
50	16.43	16.42	33.75	24.691
75	16.05	16.04	33.86	24.863
100	16.08	16.06	33.94	24.919
125	14.56	14.54	33.75	25.108
150	13.36	13.34	33.75	25.357
200	10.53	10.51	33.74	25.882
250	8.94	8.91	33.93	26.294
300	8.00	7.97	33.97	26.470
400	6.47	6.43	34.00	26.707
500	5.67	5.63	34.10	26.888
600	5.14	5.09	34.22	27.047
700	4.74	4.68	34.29	27.148
800	4.36	4.30	34.37	27.254
1000	3.82	3.75	34.46	27.383
1200	3.33	3.24	34.51	27.472
1500	2.79	2.68	34.56	27.562

STD 34

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 35

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
30 04.0 N	124 26.5 W	10/06/73	1936 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	16.91	16.91	33.68	24.523
10	16.91	16.91	33.68	24.524
20	16.95	16.95	33.80	24.607
30	17.00	17.00	33.93	24.695
50	16.11	16.10	33.78	24.787
75	16.11	16.10	33.88	24.865
100	16.65	16.63	34.16	24.957
125	14.51	14.49	33.85	25.196
150	12.06	12.04	33.62	25.510
200	10.57	10.55	33.82	25.937
250	8.95	8.92	33.94	26.301
300	8.14	8.11	33.98	26.457
400	6.74	6.70	34.01	26.679
500	5.75	5.71	34.08	26.862
600	5.21	5.16	34.21	27.031
700	4.75	4.69	34.29	27.147
800	4.43	4.37	34.35	27.230
1000	3.83	3.75	34.45	27.374
1200	3.35	3.26	34.51	27.470

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
29 02.5 N	140 33.5 W	13/06/73	1816 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	20.07	20.07	34.91	24.676
10	20.06	20.06	34.92	24.687
20	20.06	20.06	34.91	24.680
30	19.98	19.97	34.91	24.701
50	18.19	18.18	34.78	25.060
75	18.09	18.08	34.90	25.177
100	17.64	17.62	34.89	25.281
125	16.98	16.96	34.78	25.356
150	16.43	16.41	34.69	25.417
200	13.12	13.09	34.23	25.778
250	11.11	11.08	34.10	26.061
300	9.81	9.78	34.10	26.287
400	7.99	7.95	34.02	26.512
500	6.35	6.30	34.03	26.747

STD 36

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 37

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
29 02.5 N	140 35.5 W	13/06/73	1942 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	20.03	20.03	34.84	24.633
10	20.01	20.01	34.84	24.639
20	20.00	20.00	34.84	24.642
30	19.98	19.97	34.85	24.655
50	18.09	18.08	34.66	24.993
75	17.48	17.47	34.71	25.181
100	16.95	16.93	34.74	25.332
125	16.53	16.51	34.68	25.385
150	15.75	15.73	34.54	25.457
200	12.88	12.85	34.16	25.772
250	10.87	10.84	34.07	26.080
300	9.63	9.60	34.02	26.255
400	7.80	7.76	33.99	26.516
500	6.33	6.29	34.02	26.742

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 43.0 N	145 46.5 W	14/06/73	2114 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	21.09	21.09	35.36	24.745
10	21.07	21.07	35.36	24.751
20	21.06	21.06	35.36	24.754
30	21.00	20.99	35.36	24.771
50	19.69	19.68	35.26	25.045
75	18.62	18.61	35.14	25.229
100	18.08	18.06	35.08	25.319
125	17.79	17.77	35.08	25.391
150	17.64	17.61	35.05	25.406
200	17.11	17.08	34.93	25.443
250	13.76	13.72	34.39	25.774
300	11.75	11.71	34.19	26.015
400	9.46	9.41	34.09	26.339
500	7.41	7.36	34.00	26.581

STD 38

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 39

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 43.5 N	145 48.5 W	14/06/73	2219 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	21.11	21.11	35.36	24.740
10	21.10	21.10	35.37	24.750
20	21.08	21.08	35.37	24.756
30	20.93	20.92	35.35	24.782
50	19.61	19.60	35.27	25.074
75	18.53	18.52	35.14	25.252
100	17.95	17.93	35.08	25.351
125	17.78	17.76	35.08	25.394
150	17.62	17.59	35.06	25.418
200	17.06	17.03	34.93	25.455
250	13.84	13.80	34.41	25.773
300	11.67	11.63	34.22	26.053
400	9.35	9.31	34.09	26.357
500	7.49	7.44	33.97	26.546

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 37.0 N	147 02.0 W	15/06/73	0436 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	21.70	21.70	35.37	24.584
10	21.70	21.70	35.37	24.585
20	21.69	21.69	35.37	24.588
30	21.41	21.40	35.36	24.659
50	20.32	20.31	35.28	24.894
75	19.52	19.51	35.21	25.052
100	18.84	18.82	35.17	25.198
125	18.22	18.20	35.09	25.293
150	17.79	17.76	35.04	25.362
200	15.93	15.90	34.72	25.556

STD 40

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 41

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 20.0 N	150 23.0 W	15/06/73	1908 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	22.20	22.20	35.45	24.505
10	22.20	22.20	35.45	24.505
20	22.19	22.19	35.45	24.509
30	22.15	22.14	35.44	24.513
50	20.94	20.93	35.36	24.788
75	19.84	19.83	35.28	25.022
100	19.39	19.37	35.25	25.118
125	18.93	18.91	35.21	25.206
150	18.57	18.54	35.17	25.268
200	17.27	17.24	34.93	25.405
250	14.98	14.94	34.56	25.646
300	12.26	12.22	34.25	25.965
400	10.00	9.95	34.11	26.265
500	7.84	7.79	34.03	26.543

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 20.0 N	150 14.5 W	15/06/73	2008 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	22.19	22.19	35.45	24.508
10	22.18	22.18	35.45	24.511
20	22.16	22.16	35.45	24.517
30	21.82	21.81	35.45	24.613
50	20.71	20.70	35.34	24.835
75	19.75	19.74	35.27	25.038
100	19.34	19.32	35.25	25.131
125	18.98	18.96	35.22	25.201
150	18.66	18.63	35.19	25.261
200	17.90	17.87	35.08	25.367
250	15.75	15.71	34.69	25.576
300	12.60	12.56	34.26	25.907
400	10.35	10.30	34.16	26.245
500	7.97	7.92	34.02	26.516

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 00.5 N	154 59.5 W	16/06/73	1846 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	22.92	22.92	35.42	24.277
10	22.92	22.92	35.42	24.277
20	22.92	22.92	35.42	24.278
30	22.84	22.83	35.41	24.294
50	21.27	21.26	35.32	24.668
75	20.30	20.29	35.30	24.916
100	19.84	19.82	35.28	25.024
125	19.69	19.67	35.31	25.087
150	19.29	19.26	35.26	25.154
200	17.74	17.71	34.99	25.338
250	15.44	15.40	34.63	25.599
300	13.22	13.18	34.38	25.877
400	10.66	10.61	34.19	26.214
500	8.59	8.54	34.00	26.408
600	6.41	6.36	33.99	26.709
700	5.10	5.04	34.04	26.909
800	4.49	4.43	34.16	27.073
1000	3.90	3.82	34.37	27.303
1200	3.36	3.27	34.47	27.437
1500	2.75	2.64	34.55	27.558

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 02.5 N	154 59.0 W	17/06/73	0051 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.05	23.05	35.41	24.232
10	23.05	23.05	35.41	24.232
20	22.95	22.95	35.41	24.262
30	22.63	22.62	35.45	24.385
50	21.24	21.23	35.40	24.737
75	20.31	20.30	35.33	24.936
100	19.94	19.92	35.33	25.035
125	19.63	19.61	35.30	25.095
150	19.21	19.18	35.25	25.167
200	17.89	17.86	35.00	25.309
250	16.35	16.31	34.77	25.500
300	13.73	13.69	34.42	25.805
400	10.72	10.67	34.20	26.212
500	8.59	8.54	34.05	26.447
600	6.23	6.18	33.98	26.724
700	4.92	4.86	34.06	26.946
800	4.46	4.40	34.17	27.084
1000	3.76	3.69	34.38	27.325

STD 44				RV THOMAS WASHINGTON				
LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM		
27 58.5 N		154 54.0 W		17/06/73	1623 GMT	M		
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	22.92	22.92	35.37	24.239	367.3	0.000	0	
10	22.92	22.92	35.38	24.247	366.9	0.037	10	
20	22.92	22.92	35.38	24.248	367.3	0.073	20	
30	22.93	22.92	35.38	24.245	367.9	0.110	30	
50	21.49	21.48	35.40	24.668	328.5	0.180	50	
75	20.45	20.44	35.32	24.891	308.2	0.259	75	
100	19.96	19.94	35.31	25.015	297.3	0.335	101	
125	19.53	19.51	35.26	25.090	291.1	0.409	126	
150	18.95	18.92	35.19	25.187	282.7	0.480	151	
200	17.56	17.53	34.96	25.358	267.9	0.618	201	
250	15.53	15.49	34.65	25.594	246.4	0.747	252	
300	13.13	13.09	34.36	25.880	219.6	0.863	302	
400	10.57	10.52	34.19	26.230	187.2	1.066	403	
500	8.29	8.24	34.04	26.485	163.0	1.242	504	
600	6.22	6.17	33.98	26.726	139.3	1.393	605	
700	5.07	5.01	34.04	26.913	121.2	1.523	706	
800	4.43	4.37	34.18	27.095	104.0	1.635	807	
1000	3.90	3.82	34.37	27.303	85.3	1.825	1009	

STD 46				RV THOMAS WASHINGTON						
LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM				
28 02.5 N		155 05.5 W		18/06/73	0001 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS			
M	DEG C	DEG C		THETA			D.BAR			
0	23.27	23.27	35.36	24.130	377.6	0.000	0			
10	23.05	23.05	35.34	24.179	373.4	0.038	10			
20	22.97	22.97	35.35	24.211	370.8	0.075	20			
30	22.96	22.95	35.36	24.222	370.2	0.112	30			
50	21.63	21.62	35.40	24.629	332.2	0.182	50			
75	20.58	20.57	35.34	24.872	310.0	0.262	76			
100	19.99	19.97	35.32	25.015	297.3	0.338	101			
125	19.50	19.48	35.27	25.106	289.6	0.412	126			
150	19.07	19.04	35.21	25.172	284.2	0.483	151			
200	17.52	17.49	34.95	25.360	267.7	0.621	201			
250	15.42	15.38	34.64	25.611	244.7	0.749	252			
300	13.55	13.51	34.40	25.826	224.9	0.867	302			

STD 48			RV THOMAS WASHINGTON									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM				
28 01.0 N		155 00.0 W		18/06/73		0441 GMT		M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS					
M	DEG C	DEG C		THETA			D.BAR					
0	23.23	23.23	35.37	24.149	375.8	0.000	0					
10	23.00	23.00	35.37	24.216	369.8	0.037	10					
20	22.96	22.96	35.37	24.229	369.1	0.074	20					
30	22.11	22.10	35.27	24.395	353.6	0.110	30					
50	21.01	21.00	35.32	24.739	321.7	0.178	50					
75	20.15	20.14	35.31	24.964	301.2	0.256	76					
100	19.73	19.71	35.30	25.068	292.3	0.330	101					
125	19.50	19.48	35.28	25.114	288.9	0.403	126					
150	18.98	18.95	35.20	25.187	282.7	0.474	151					
200	17.62	17.59	34.98	25.359	267.8	0.612	201					
250	15.54	15.50	34.62	25.569	248.8	0.741	252					
300	13.19	13.15	34.35	25.860	221.5	0.858	302					
400	10.65	10.60	34.17	26.200	190.1	1.064	403					
500	8.26	8.21	34.04	26.489	162.6	1.240	504					
600	6.15	6.10	33.95	26.711	140.6	1.392	605					
700	4.98	4.92	34.05	26.931	119.3	1.522	706					
800	4.47	4.41	34.17	27.083	105.2	1.634	807					
1000	3.85	3.77	34.38	27.316	84.0	1.823	1009					

STD 50				RV THOMAS WASHINGTON				
LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM		
28 01.0 N		155 00.0 W		18/06/73	0654 GMT	M		
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	23.15	23.15	35.37	24.172	373.6	0.000	0	
10	23.15	23.15	35.37	24.173	374.0	0.037	10	
20	22.98	22.98	35.37	24.223	369.7	0.075	20	
30	22.94	22.93	35.40	24.258	366.8	0.111	30	
50	21.57	21.56	35.40	24.646	330.6	0.181	50	
75	20.64	20.63	35.33	24.848	312.3	0.261	76	
100	19.98	19.96	35.32	25.017	297.1	0.338	101	
125	19.63	19.61	35.30	25.095	290.6	0.411	126	
150	19.14	19.11	35.22	25.162	285.1	0.483	151	
200	17.53	17.50	34.91	25.327	270.8	0.622	201	
250	15.40	15.36	34.61	25.592	246.5	0.751	252	
300	13.17	13.13	34.36	25.872	220.3	0.868	302	
400	10.86	10.81	34.20	26.187	191.5	1.074	403	
500	8.59	8.54	34.06	26.455	166.2	1.253	504	
600	6.41	6.36	33.98	26.701	141.8	1.407	605	
700	5.01	4.95	34.05	26.928	119.7	1.538	706	
800	4.48	4.42	34.18	27.090	104.6	1.650	807	
1000	3.87	3.79	34.38	27.314	84.2	1.839	1009	

STD 52		RV THOMAS WASHINGTON									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM			
28 01.0 N		154 59.5 W		18/06/73		0928 GMT		M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	23.11	23.11	35.37	24.184	372.5	0.000	0				
10	23.12	23.12	35.38	24.189	372.4	0.037	10				
20	23.00	23.00	35.38	24.225	369.5	0.074	20				
30	22.89	22.88	35.43	24.295	363.2	0.111	30				
50	21.44	21.43	35.42	24.697	325.7	0.180	50				
75	20.39	20.38	35.31	24.900	307.4	0.259	76				
100	19.86	19.84	35.31	25.041	294.8	0.334	101				
125	19.50	19.48	35.28	25.114	288.9	0.407	126				
150	18.96	18.93	35.19	25.185	282.9	0.479	151				
200	17.74	17.71	35.00	25.345	269.2	0.617	201				
250	15.87	15.83	34.71	25.564	249.4	0.746	252				
300	13.43	13.39	34.39	25.843	223.3	0.865	302				
400	10.72	10.67	34.20	26.212	189.1	1.071	403				
500	8.36	8.31	34.04	26.474	164.1	1.247	504				
600	6.38	6.33	33.99	26.713	140.7	1.400	605				
700	5.06	5.00	34.04	26.914	121.1	1.531	706				
800	4.52	4.46	34.16	27.070	106.5	1.644	807				
1000	3.86	3.78	34.38	27.315	84.1	1.835	1009				

STD 54		RV THOMAS WASHINGTON									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM			
28 00.0 N		155 00.0 W		18/06/73		1219 GMT		M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	23.12	23.12	35.35	24.166	374.2	0.000	0				
10	23.12	23.12	35.35	24.167	374.6	0.037	10				
20	23.00	23.00	35.38	24.225	369.5	0.075	20				
30	22.54	22.53	35.48	24.433	350.1	0.111	30				
50	21.24	21.23	35.38	24.722	323.3	0.178	50				
75	20.39	20.38	35.33	24.915	305.9	0.257	76				
100	20.00	19.98	35.31	25.004	298.3	0.332	101				
125	19.61	19.59	35.27	25.077	292.3	0.406	126				
150	19.12	19.09	35.21	25.159	285.4	0.478	151				
200	17.67	17.64	34.99	25.355	268.3	0.617	201				
250	15.95	15.91	34.71	25.546	251.2	0.746	252				
300	13.38	13.34	34.37	25.837	223.7	0.865	302				
400	10.73	10.68	34.19	26.202	190.0	1.072	403				
500	8.52	8.47	34.05	26.458	165.8	1.250	504				
600	6.47	6.42	33.98	26.694	142.7	1.404	605				
700	5.02	4.96	34.05	26.927	119.8	1.535	706				
800	4.49	4.43	34.20	27.105	103.2	1.647	807				
1000	3.81	3.74	34.40	27.336	82.0	1.832	1009				

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 58.0 N	155 06.5 W	18/06/73	1454 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.12	23.12	35.34	24.158
10	23.12	23.12	35.35	24.167
20	23.10	23.10	35.35	24.173
30	23.01	23.00	35.39	24.230
50	21.65	21.64	35.41	24.631
75	20.54	20.53	35.28	24.837
100	20.02	20.00	35.29	24.984
125	19.59	19.57	35.25	25.067
150	19.10	19.07	35.19	25.149
200	17.56	17.53	34.98	25.374
250	15.38	15.34	34.64	25.620
300	12.97	12.93	34.35	25.904
400	10.75	10.70	34.19	26.199
500	8.38	8.33	34.05	26.479
600	6.33	6.28	33.99	26.720
700	5.02	4.96	34.05	26.927
800	4.48	4.42	34.20	27.106
1000	3.82	3.75	34.40	27.335

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 58.0 N	155 07.0 W	18/06/73	1619 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.09	23.09	35.35	24.175
10	23.08	23.08	35.36	24.186
20	23.09	23.09	35.36	24.183
30	22.93	22.92	35.43	24.283
50	21.55	21.54	35.42	24.667
75	20.36	20.35	35.32	24.915
100	20.05	20.03	35.32	24.999
125	19.58	19.56	35.26	25.077
150	19.20	19.17	35.22	25.146
200	17.97	17.94	35.02	25.304
250	16.05	16.01	34.72	25.531
300	13.44	13.40	34.39	25.841
400	10.67	10.62	34.19	26.213
500	8.23	8.18	34.04	26.494

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STD 59

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 01.0 N	154 59.5 W	18/06/73	1925 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.12	23.12	35.42	24.219
10	23.09	23.09	35.43	24.236
20	23.01	23.01	35.47	24.290
30	22.71	22.70	35.49	24.392
50	21.21	21.20	35.37	24.722
75	20.54	20.53	35.32	24.867
100	19.88	19.86	35.31	25.036
125	19.67	19.65	35.31	25.092
150	19.04	19.01	35.21	25.180
200	17.46	17.43	34.95	25.375
250	15.44	15.40	34.64	25.607
300	13.52	13.48	34.41	25.840
400	10.71	10.66	34.19	26.206
500	8.68	8.63	34.05	26.433
600	6.36	6.31	33.98	26.708
700	5.08	5.02	34.04	26.912
750	4.73	4.67	34.11	27.007

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 58.5 N	154 58.0 W	19/06/73	0157 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.58	23.58	35.34	24.024
10	23.11	23.11	35.40	24.207
20	22.86	22.86	35.44	24.310
30	22.74	22.73	35.48	24.376
50	21.33	21.32	35.36	24.682
75	20.27	20.26	35.28	24.909
100	19.87	19.85	35.29	25.023
125	19.62	19.60	35.28	25.082
150	19.12	19.09	35.21	25.159
200	17.70	17.67	34.97	25.332
250	15.70	15.66	34.66	25.564
300	13.88	13.84	34.47	25.812
400	11.05	11.00	34.23	26.176
500	8.54	8.49	34.03	26.439
600	6.28	6.23	33.97	26.710
700	4.94	4.88	34.06	26.943
750	4.64	4.58	34.14	27.041

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 58.5 N	154 57.5 W	19/06/73	0952 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.85	23.85	35.35	23.952
10	23.11	23.11	35.44	24.238
20	22.71	22.71	35.49	24.392
30	22.55	22.54	35.48	24.430
50	21.07	21.06	35.37	24.760
75	20.14	20.13	35.33	24.981
100	19.83	19.81	35.32	25.057
125	19.64	19.62	35.31	25.100
150	19.06	19.03	35.20	25.167
200	17.91	17.88	35.03	25.327
250	15.99	15.95	34.71	25.537
300	13.76	13.72	34.46	25.829
400	10.81	10.76	34.20	26.196
500	8.63	8.58	34.05	26.441
600	6.31	6.26	33.98	26.714
700	5.02	4.96	34.04	26.919
750	4.75	4.69	34.11	27.005

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 02.5 N	155 01.0 W	19/06/73	1535 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.38	23.38	35.37	24.105
10	23.28	23.28	35.37	24.135
20	23.02	23.02	35.44	24.264
30	22.76	22.75	35.49	24.378
50	21.70	21.69	35.38	24.595
75	20.52	20.51	35.31	24.865
100	19.94	19.92	35.28	24.997
125	19.60	19.58	35.28	25.087
150	19.05	19.02	35.19	25.162
200	17.80	17.77	34.97	25.308
250	15.54	15.50	34.64	25.584
300	13.06	13.02	34.33	25.871
400	10.59	10.54	34.17	26.211
500	8.11	8.06	34.03	26.504
600	6.02	5.97	33.98	26.751
700	4.92	4.86	34.06	26.946
750	4.68	4.62	34.12	27.020

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LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
28 02.5 N		155 01.0 W		19/06/73		1751 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	23.43	23.43	35.37	24.091	381.4	0.000	0	0	
10	23.19	23.19	35.34	24.139	377.3	0.038	10	10	
20	23.08	23.08	35.40	24.217	370.3	0.075	20	20	
30	22.70	22.69	35.48	24.387	354.4	0.112	30	30	
50	21.39	21.38	35.37	24.673	328.0	0.180	50	50	
75	20.36	20.35	35.29	24.892	308.0	0.259	76	76	
100	19.82	19.80	35.30	25.044	294.5	0.335	101	101	
125	19.53	19.51	35.28	25.106	289.6	0.408	126	126	
150	19.00	18.97	35.18	25.167	284.6	0.479	151	151	
200	17.92	17.89	35.01	25.309	272.7	0.619	201	201	
250	15.79	15.75	34.66	25.544	251.3	0.750	252	252	
300	13.32	13.28	34.37	25.849	222.6	0.868	302	302	
400	10.63	10.58	34.17	26.204	189.7	1.074	403	403	
500	8.32	8.27	34.02	26.464	165.0	1.252	504	504	
600	6.41	6.36	33.98	26.701	141.8	1.405	605	605	
700	4.99	4.93	34.05	26.930	119.4	1.536	706	706	
800	4.50	4.44	34.18	27.088	104.8	1.648	807	807	
1000	3.87	3.79	34.38	27.314	84.2	1.837	1009	1009	

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
27 56.5 N	154 59.0 W	20/06/73	0133 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	
0	23.84	23.84	35.33	23.940	395.7	0.000	0	0
10	23.32	23.32	35.29	24.063	384.5	0.035	10	10
20	22.79	22.79	35.43	24.323	360.1	0.076	20	20
30	22.71	22.70	35.48	24.385	354.7	0.112	30	30
50	21.47	21.46	35.41	24.681	327.2	0.180	50	50
75	20.31	20.30	35.32	24.929	304.6	0.259	75	75
100	19.90	19.88	35.33	25.046	294.4	0.334	101	101
125	19.63	19.61	35.30	25.095	290.6	0.407	126	126
150	19.01	18.98	35.21	25.187	282.7	0.479	151	151
200	17.71	17.68	34.97	25.330	270.7	0.617	201	201
250	16.05	16.01	34.73	25.539	251.9	0.748	252	252
300	13.78	13.74	34.46	25.825	225.1	0.867	302	302

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 04.5 N	154 42.5 W	20/06/73	1502 GMT	M				
DEPTH	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	PRESS D.BAR	BOTTOM M
0	23.17	23.17	35.46	24.235	367.6	0.000	0	0
10	23.18	23.18	35.45	24.225	369.0	0.037	10	10
20	23.17	23.17	35.45	24.229	369.1	0.074	20	20
30	22.84	22.83	35.46	24.332	359.7	0.110	30	30
50	20.44	20.43	35.33	24.900	306.3	0.177	50	50
75	19.98	19.97	35.32	25.016	296.2	0.252	76	76
100	19.67	19.65	35.31	25.091	290.0	0.325	101	101
125	19.36	19.34	35.26	25.135	286.8	0.397	126	126
150	18.84	18.81	35.18	25.207	280.7	0.468	151	151
200	17.45	17.42	34.95	25.377	266.0	0.605	201	201
250	15.90	15.86	34.72	25.565	249.3	0.734	252	252
300	13.55	13.51	34.39	25.818	225.6	0.853	302	302
400	10.81	10.76	34.16	26.165	193.6	1.062	403	403
500	8.39	8.34	33.97	26.415	169.7	1.244	504	504
600	6.39	6.34	33.97	26.696	142.3	1.400	605	605
700	5.10	5.04	34.03	26.901	122.3	1.532	706	706
750	4.71	4.65	34.10	27.001	112.8	1.591	756	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 00.5 N	154 40.5 W	20/06/73	1717 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	
0	23.01	23.01	35.48	24.297	361.8	0.000	0	0
10	23.00	23.00	35.48	24.300	361.9	0.036	10	10
20	22.96	22.96	35.48	24.312	361.2	0.072	20	20
30	22.63	22.62	35.46	24.392	353.9	0.108	30	30
50	21.19	21.18	35.36	24.720	323.5	0.176	50	50
75	20.04	20.03	35.32	25.000	297.7	0.253	76	76
100	19.71	19.69	35.31	25.081	291.0	0.327	101	101
125	19.42	19.40	35.28	25.134	286.9	0.399	126	126
150	18.95	18.92	35.21	25.202	281.2	0.470	151	151
200	17.67	17.64	35.00	25.362	267.5	0.608	201	201
250	16.31	16.27	34.77	25.510	254.7	0.738	252	252
300	13.86	13.82	34.44	25.793	228.2	0.859	302	302
400	10.71	10.66	34.18	26.198	190.4	1.068	403	403
500	8.15	8.10	34.03	26.498	161.6	1.244	504	504
600	6.17	6.12	33.98	26.732	138.6	1.394	605	605

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 01.0 N	154 40.0 W	20/06/73	1913 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	
0	23.00	23.00	35.48	24.299	361.5	0.000	0	0
10	23.01	23.01	35.48	24.297	362.2	0.036	10	10
20	22.98	22.98	35.49	24.314	361.0	0.072	20	20
30	22.82	22.81	35.49	24.361	357.0	0.108	30	30
50	21.56	21.55	35.40	24.649	330.3	0.177	50	50
75	20.18	20.17	35.32	24.963	301.3	0.256	76	76
100	19.76	19.74	35.32	25.075	291.6	0.330	101	101
125	19.50	19.48	35.29	25.121	288.1	0.402	126	126
150	19.03	19.00	35.22	25.190	282.5	0.474	151	151
200	17.68	17.65	35.01	25.367	267.0	0.611	201	201
250	16.14	16.10	34.75	25.533	252.4	0.741	252	252
300	13.65	13.61	34.43	25.829	224.7	0.860	302	302
400	10.72	10.67	34.19	26.204	189.8	1.068	403	403
500	8.22	8.17	34.03	26.487	162.7	1.244	504	504
600	6.25	6.20	33.98	26.722	139.7	1.395	605	605
700	4.88	4.82	34.05	26.942	118.1	1.524	706	706
750	4.59	4.53	34.14	27.046	108.4	1.581	756	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 04.0 N	154 35.5 W	21/06/73	0208 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	
0	23.28	23.28	35.47	24.211	370.0	0.000	0	0
10	23.20	23.20	35.47	24.234	368.1	0.037	10	10
20	22.83	22.83	35.47	24.342	358.3	0.073	20	20
30	21.75	21.74	35.37	24.572	336.8	0.108	30	30
50	20.77	20.76	35.33	24.812	314.7	0.173	50	50
75	20.23	20.22	35.32	24.950	302.6	0.250	76	76
100	19.77	19.75	35.32	25.073	291.8	0.325	101	101
125	19.55	19.53	35.29	25.108	289.4	0.397	126	126
150	18.85	18.82	35.18	25.205	281.0	0.469	151	151
200	17.68	17.65	35.00	25.360	267.8	0.606	201	201
250	15.72	15.68	34.64	25.544	251.2	0.735	252	252
300	13.37	13.33	34.40	25.863	221.3	0.854	302	302
400	10.97	10.92	34.21	26.175	192.7	1.061	403	403
500	8.72	8.67	34.06	26.435	168.2	1.241	504	504
600	6.60	6.54	33.98	26.677	144.4	1.397	605	605
700	5.06	5.00	34.03	26.906	121.8	1.531	706	706
750	4.74	4.68	34.10	26.998	113.2	1.589	756	756

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 59.5 N	154 39.0 W	21/06/73	0939 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.05	23.05	35.49	24.292	362.2	0.000	0
10	23.04	23.04	35.49	24.296	362.3	0.036	10
20	22.52	22.52	35.44	24.408	352.0	0.072	20
30	21.77	21.76	35.40	24.589	335.1	0.106	30
50	20.88	20.87	35.33	24.782	317.6	0.172	50
75	20.11	20.10	35.32	24.982	299.5	0.249	75
100	19.75	19.73	35.31	25.070	292.0	0.323	101
125	19.44	19.42	35.27	25.121	288.1	0.395	126
150	19.13	19.10	35.24	25.179	283.5	0.467	151
200	17.93	17.90	35.03	25.322	271.5	0.605	201
250	16.27	16.23	34.77	25.519	253.9	0.737	252
300	13.60	13.56	34.41	25.823	225.2	0.856	302
400	11.02	10.97	34.23	26.182	192.2	1.065	403
500	8.57	8.52	34.05	26.450	166.6	1.244	504
600	6.32	6.27	33.98	26.713	140.6	1.398	605
700	4.96	4.90	34.04	26.925	119.8	1.528	706
750	4.66	4.60	34.11	27.015	111.5	1.586	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 58.5 N	154 36.0 W	21/06/73	1642 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	22.96	22.96	35.49	24.318	359.7	0.000	0
10	22.96	22.96	35.50	24.327	359.3	0.036	10
20	22.95	22.95	35.49	24.323	360.2	0.072	20
30	22.54	22.53	35.45	24.410	352.2	0.108	30
50	21.13	21.12	35.34	24.721	323.4	0.175	50
75	20.05	20.04	35.32	24.997	298.0	0.253	75
100	19.73	19.71	35.32	25.083	290.8	0.326	101
125	19.35	19.33	35.27	25.145	285.9	0.398	126
150	18.83	18.80	35.19	25.218	279.8	0.469	151
200	17.65	17.62	35.00	25.367	267.1	0.606	201
250	16.14	16.10	34.76	25.541	251.7	0.736	252
300	13.81	13.77	34.43	25.796	227.9	0.855	302
400	10.97	10.92	34.20	26.167	193.5	1.066	403
500	8.19	8.14	34.03	26.492	162.2	1.244	504

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 58.5 N	154 42.0 W	22/06/73	0107 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.08	23.08	35.48	24.276	363.7	0.000	0
10	22.94	22.94	35.49	24.325	359.5	0.036	10
20	22.78	22.78	35.48	24.364	356.2	0.072	20
30	22.44	22.43	35.46	24.446	348.8	0.107	30
50	21.20	21.19	35.39	24.740	321.6	0.174	50
75	20.14	20.13	35.32	24.974	300.3	0.252	75
100	19.86	19.84	35.32	25.049	294.1	0.326	101
125	19.74	19.72	35.32	25.081	291.9	0.400	126
150	19.42	19.39	35.28	25.135	287.7	0.472	151
200	18.02	17.99	35.06	25.323	271.4	0.612	201
250	16.29	16.25	34.75	25.499	255.8	0.744	252
300	14.21	14.17	34.48	25.751	232.4	0.866	302

LATITUDE		LONGITUDE		DAY/MO/YR	START TIME		BOTTOM	
28 10.0 N		154 39.0 W		22/06/73	1349 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS
M	DEG C	DEG C		THETA				D.BAR
0	23.43	23.43	35.47	24.167	374.1	0.000		0
10	23.15	23.15	35.46	24.241	367.5	0.037		10
20	23.08	23.08	35.46	24.262	365.9	0.074		20
30	22.81	22.80	35.43	24.318	361.1	0.110		30
50	21.44	21.43	35.36	24.651	330.0	0.179		50
75	20.20	20.19	35.28	24.927	304.7	0.259		76
100	19.42	19.40	35.21	25.080	291.1	0.333		101
125	19.04	19.02	35.19	25.163	284.1	0.405		126
150	18.24	18.21	35.02	25.236	277.9	0.475		151
200	16.80	16.77	34.85	25.455	258.4	0.609		201
250	15.25	15.21	34.59	25.610	244.7	0.735		252
300	13.20	13.16	34.41	25.905	217.3	0.851		302
400	10.82	10.77	34.23	26.217	188.6	1.053		403
500	8.62	8.57	34.06	26.450	166.6	1.231		504
600	6.29	6.24	33.97	26.709	141.0	1.385		605
700	5.05	4.99	34.03	26.907	121.7	1.516		706
750	4.73	4.67	34.10	26.999	113.1	1.575		756

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 10.5 N	154 40.0 W	22/06/73	1646 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.29	23.29	35.46	24.200	371.0	0.000	0
10	23.18	23.18	35.44	24.218	369.7	0.037	10
20	23.09	23.09	35.45	24.252	366.9	0.074	20
30	22.80	22.79	35.39	24.290	363.7	0.110	30
50	21.14	21.13	35.23	24.635	331.6	0.180	50
75	20.11	20.10	35.27	24.944	303.1	0.259	76
100	19.51	19.49	35.26	25.094	289.7	0.333	101
125	18.67	18.65	35.12	25.203	280.1	0.405	126
150	18.10	18.07	35.05	25.293	272.4	0.474	151
200	16.39	16.36	34.78	25.497	254.3	0.605	201
250	14.31	14.27	34.50	25.744	231.6	0.727	252
300	12.94	12.90	34.36	25.918	215.9	0.839	302
400	10.61	10.56	34.20	26.231	187.2	1.040	403
500	8.23	8.18	34.03	26.486	162.8	1.215	504
600	6.28	6.23	33.98	26.718	140.1	1.367	605
700	5.01	4.95	34.05	26.928	119.7	1.497	706
800	4.46	4.40	34.17	27.084	105.1	1.609	807
1000	3.77	3.70	34.37	27.316	83.8	1.798	1009

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 11.0 N	154 41.0 W	22/06/73	1923 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.43	23.43	35.47	24.167	374.1	0.000	0
10	23.30	23.30	35.47	24.205	370.9	0.037	10
20	23.23	23.23	35.47	24.226	369.3	0.074	20
30	23.17	23.16	35.46	24.237	368.8	0.111	30
50	21.48	21.47	35.37	24.648	330.4	0.181	50
75	20.32	20.31	35.28	24.896	307.7	0.261	76
100	19.59	19.57	35.24	25.058	293.1	0.336	101
125	19.10	19.08	35.17	25.132	287.0	0.408	126
150	18.33	18.30	35.10	25.274	274.3	0.479	151
200	16.46	16.43	34.79	25.488	255.1	0.611	201
250	14.40	14.36	34.48	25.709	234.9	0.733	252
300	13.00	12.96	34.39	25.929	214.8	0.846	302
400	10.69	10.64	34.23	26.240	186.3	1.047	403
500	8.44	8.39	34.04	26.462	165.3	1.222	504
600	6.28	6.23	33.98	26.718	140.1	1.375	605
700	5.11	5.05	34.04	26.908	121.7	1.506	706
750	4.72	4.66	34.10	27.000	112.9	1.565	756

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 06.0 N	154 37.0 W	23/06/73	0155 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.83	23.83	35.50	24.072
10	23.14	23.14	35.46	24.244
20	23.08	23.08	35.46	24.262
30	22.59	22.58	35.36	24.328
50	21.12	21.11	35.24	24.648
75	20.09	20.08	35.28	24.957
100	19.60	19.58	35.27	25.079
125	18.98	18.96	35.17	25.163
150	18.59	18.56	35.13	25.232
200	17.22	17.19	34.89	25.386
250	15.01	14.97	34.57	25.647
300	13.21	13.17	34.42	25.910
400	10.75	10.70	34.22	26.222
500	8.34	8.29	34.04	26.477
600	6.19	6.14	33.98	26.729
700	4.98	4.92	34.05	26.931
750	4.69	4.63	34.12	27.019

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 15.5 N	154 33.5 W	23/06/73	0812 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	24.03	24.03	35.48	23.998
10	23.61	23.61	35.48	24.122
20	23.38	23.38	35.47	24.183
30	23.34	23.33	35.48	24.202
50	22.29	22.28	35.42	24.460
75	20.28	20.27	35.27	24.898
100	19.31	19.29	35.21	25.108
125	18.57	18.55	35.11	25.221
150	17.60	17.57	34.96	25.346
200	16.04	16.01	34.74	25.547
250	14.00	13.96	34.47	25.786
300	12.57	12.53	34.37	25.998
400	10.55	10.50	34.21	26.249
500	8.35	8.30	34.07	26.499
600	6.25	6.20	34.00	26.738
700	5.01	4.95	34.05	26.928
750	4.62	4.56	34.12	27.027

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 09.0 N	154 39.0 W	23/06/73	1716 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.58	23.58	35.49	24.138
10	23.58	23.58	35.49	24.139
20	23.32	23.32	35.48	24.208
30	23.02	23.01	35.44	24.265
50	21.79	21.78	35.41	24.592
75	20.12	20.11	35.26	24.933
100	19.41	19.39	35.23	25.097
125	18.89	18.87	35.18	25.194
150	18.20	18.17	35.08	25.292
200	16.15	16.12	34.74	25.521
250	14.26	14.22	34.50	25.754
300	12.91	12.87	34.39	25.947
400	10.77	10.72	34.22	26.218
500	8.67	8.62	34.09	26.466
600	6.35	6.30	33.98	26.709
700	5.00	4.94	34.04	26.921
800	4.53	4.47	34.17	27.077

TASADAY EXPEDITION LEG I

STD 77

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 08.0 N	154 41.0 W	23/06/73	2132 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.71	23.71	35.49	24.100
10	23.44	23.44	35.48	24.172
20	23.22	23.22	35.46	24.222
30	22.39	22.38	35.37	24.392
50	21.35	21.34	35.34	24.661
75	19.99	19.98	35.25	24.960
100	19.48	19.46	35.18	25.041
125	18.79	18.77	35.16	25.204
150	18.27	18.24	35.09	25.282
200	16.80	16.77	34.84	25.447
250	14.93	14.89	34.57	25.665
300	12.82	12.78	34.37	25.949
400	10.68	10.63	34.22	26.234
500	8.45	8.40	34.06	26.476
600	6.32	6.27	33.98	26.713
700	5.03	4.97	34.04	26.917
800	4.44	4.38	34.19	27.102
1000	3.75	3.68	34.39	27.334
1200	3.32	3.23	34.48	27.448
1500	2.73	2.62	34.55	27.560

STD 78

RV THOMAS WASHINGTON

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 06.5 N	154 35.5 W	24/06/73	0654 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.83	23.83	35.49	24.064
10	23.81	23.81	35.50	24.078
20	23.30	23.30	35.47	24.206
30	23.16	23.15	35.45	24.232
50	21.72	21.71	35.40	24.604
75	20.34	20.33	35.29	24.898
100	19.76	19.74	35.29	25.052
125	19.29	19.27	35.24	25.137
150	18.61	18.58	35.14	25.235
200	16.63	16.60	34.82	25.472
250	14.35	14.31	34.52	25.751
300	12.85	12.81	34.40	25.967

TASADAY EXPEDITION LEG I

STD 79

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 05.0 N	154 34.0 W	24/06/73	0855 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.72	23.72	35.49	24.097
10	23.67	23.67	35.48	24.105
20	23.27	23.27	35.47	24.215
30	22.95	22.94	35.44	24.285
50	21.71	21.70	35.40	24.607
75	20.33	20.32	35.29	24.900
100	19.77	19.75	35.30	25.057
125	19.17	19.15	35.20	25.137
150	18.56	18.53	35.13	25.240
200	16.98	16.95	34.87	25.428
250	14.52	14.48	34.52	25.715
300	12.91	12.87	34.39	25.947

STD 80

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG 1

STD 81

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME		BOTTOM			
28 09.5 N	155 00.0 W	24/06/73	1412	GMT				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	M
0	23.58	23.58	35.48	24.130	377.6	0.000	0	0
10	23.59	23.59	35.48	24.128	378.3	0.038	10	10
20	23.27	23.27	35.47	24.215	370.5	0.075	20	20
30	23.15	23.14	35.46	24.242	368.2	0.112	30	30
50	20.89	20.88	35.28	24.741	321.5	0.181	50	50
75	19.82	19.81	35.20	24.967	300.9	0.259	76	76
100	19.19	19.17	35.19	25.124	286.9	0.332	101	101
125	18.75	18.73	35.15	25.206	279.9	0.403	126	126
150	18.44	18.41	35.14	25.277	274.0	0.472	151	151
200	16.93	16.90	34.90	25.463	257.7	0.605	201	201
250	15.48	15.44	34.67	25.621	243.9	0.731	252	252
300	13.30	13.26	34.40	25.877	220.0	0.847	302	302
400	11.19	11.14	34.27	26.182	192.2	1.053	403	403
500	8.74	8.69	34.07	26.440	167.8	1.233	504	504
600	6.58	6.52	33.99	26.687	143.4	1.388	605	605
700	5.15	5.09	34.03	26.896	122.9	1.522	706	706
750	4.84	4.78	34.09	26.979	115.1	1.581	756	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 10.0 N	154 59.0 W	24/06/73	1700 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	M
0	23.54	23.54	35.47	24.135	377.2	0.000	0	0
10	23.55	23.55	35.47	24.132	377.9	0.038	10	10
20	23.22	23.22	35.46	24.222	369.8	0.075	20	20
30	23.15	23.14	35.46	24.242	368.2	0.112	30	30
50	20.91	20.90	35.26	24.720	323.4	0.181	50	50
75	19.91	19.90	35.20	24.943	303.2	0.260	76	76
100	19.04	19.02	35.17	25.147	284.6	0.333	101	101
125	18.53	18.51	35.13	25.246	276.0	0.403	126	126
150	18.27	18.24	35.12	25.305	271.4	0.472	151	151
200	16.83	16.80	34.88	25.471	256.9	0.604	201	201
250	15.05	15.01	34.60	25.662	239.8	0.728	252	252
300	13.14	13.10	34.39	25.901	217.6	0.842	302	302
400	10.94	10.89	34.25	26.212	189.2	1.045	403	403
500	8.54	8.49	34.05	26.455	166.1	1.223	504	504
600	6.48	6.43	33.98	26.692	142.8	1.378	605	605
700	5.04	4.98	34.04	26.916	120.8	1.509	706	706
800	4.47	4.41	34.16	27.075	105.9	1.623	807	807
1000	3.80	3.73	34.37	27.313	84.2	1.813	1009	1009
1200	3.32	3.23	34.48	27.448	71.9	1.969	1211	1211
1500	2.76	2.65	34.54	27.549	62.8	2.171	1515	1515
2000	2.09	1.95	34.61	27.663	52.1	2.458	2022	2022
2500	1.72	1.54	34.65	27.726	46.5	2.705	2531	2531
2960	1.58	1.36	34.67	27.755	44.6	2.914	3000	3000

STD 82

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG 1

STD 83

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 09.0 N	154 58.0 W	24/06/73	1944 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	M
0	23.62	23.62	35.47	24.111	379.4	0.000	0	0
10	23.59	23.59	35.47	24.120	379.0	0.038	10	10
20	23.20	23.20	35.45	24.220	370.0	0.075	20	20
30	23.04	23.03	35.43	24.252	367.4	0.112	30	30
50	20.84	20.83	35.26	24.739	321.6	0.181	50	50
75	19.62	19.61	35.21	25.026	295.2	0.258	76	76
100	18.93	18.91	35.18	25.182	281.2	0.330	101	101
125	18.48	18.46	35.13	25.259	274.8	0.400	126	126
150	18.12	18.09	35.08	25.311	270.7	0.468	151	151
200	16.76	16.73	34.86	25.472	256.8	0.600	201	201
250	14.91	14.87	34.57	25.669	239.0	0.724	252	252
300	12.99	12.95	34.38	25.923	215.4	0.837	302	302
400	10.93	10.88	34.24	26.206	189.8	1.040	403	403
500	8.68	8.63	34.04	26.425	169.0	1.219	504	504
600	6.52	6.46	33.97	26.679	144.1	1.376	605	605
700	5.04	4.98	34.04	26.916	120.8	1.508	706	706
750	4.70	4.64	34.10	27.002	112.7	1.567	756	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 05.5 N	155 00.5 W	25/06/73	0139 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	M
0	23.73	23.73	35.48	24.086	381.8	0.000	0	0
10	23.66	23.66	35.46	24.093	381.7	0.038	10	10
20	23.20	23.20	35.44	24.212	370.7	0.076	20	20
30	22.40	22.39	35.34	24.366	356.4	0.112	30	30
50	21.31	21.30	35.27	24.619	333.1	0.181	50	50
75	20.14	20.13	35.25	24.920	305.3	0.261	76	76
100	19.50	19.48	35.22	25.067	292.3	0.336	101	101
125	18.93	18.91	35.14	25.153	285.0	0.408	126	126
150	18.58	18.55	35.13	25.235	278.1	0.478	151	151
200	17.27	17.24	34.89	25.374	266.2	0.614	201	201
250	15.78	15.74	34.67	25.553	250.4	0.743	252	252
300	13.57	13.53	34.40	25.822	225.3	0.862	302	302
400	10.97	10.92	34.19	26.160	194.2	1.072	403	403
500	8.66	8.61	34.02	26.413	170.2	1.254	504	504
600	6.55	6.49	33.95	26.660	146.0	1.412	605	605
700	5.19	5.13	34.01	26.875	124.9	1.548	706	706

STD 84

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG 1

STD 85

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
28 15.5 N		154 58.5 W		25/06/73		0739 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA				D.BAR	M
0	23.72	23.72	35.48	24.089	381.5	0.000	0	0	0
10	23.73	23.73	35.48	24.087	382.2	0.038	10	10	10
20	23.29	23.29	35.45	24.194	372.5	0.076	20	20	20
30	22.29	22.28	35.37	24.420	351.2	0.112	30	30	30
50	20.66	20.65	35.29	24.811	314.8	0.179	50	50	50
75	19.88	19.87	35.25	24.989	298.8	0.255	76	76	76
100	19.46	19.44	35.25	25.100	289.2	0.329	101	101	101
125	18.94	18.92	35.19	25.188	281.6	0.400	126	126	126
150	18.31	18.28	35.09	25.272	274.5	0.470	151	151	151
200	16.98	16.95	34.88	25.436	260.3	0.603	201	201	201
250	15.58	15.54	34.66	25.591	246.7	0.730	252	252	252
300	13.47	13.43	34.42	25.858	221.9	0.847	302	302	302
400	10.78	10.73	34.21	26.209	189.4	1.053	403	403	403
500	8.77	8.72	34.10	26.458	166.0	1.231	504	504	504
600	6.36	6.31	33.98	26.708	141.1	1.384	605	605	605
700	5.14	5.08	34.02	26.889	123.5	1.517	706	706	706
750	4.83	4.77	34.05	26.948	118.0	1.577	756	756	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
28 09.5 N	155 00.5 W	25/06/73	1557 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	BOTTOM
M	DEG C	DEG C		THETA			D.BAR	M
0	23.58	23.58	35.46	24.115	379.0	0.000	0	0
10	23.58	23.58	35.46	24.116	379.4	0.038	10	10
20	23.48	23.48	35.45	24.138	377.8	0.076	20	20
30	22.82	22.81	35.37	24.269	365.7	0.113	30	30
50	21.41	21.40	35.31	24.622	332.9	0.183	50	50
75	20.07	20.06	35.24	24.931	304.3	0.262	76	76
100	19.69	19.67	35.27	25.055	293.4	0.337	101	101
125	19.16	19.14	35.21	25.148	285.5	0.410	126	126
150	18.41	18.38	35.09	25.247	276.9	0.480	151	151
200	16.83	16.80	34.83	25.433	260.6	0.614	201	201
250	15.42	15.38	34.62	25.596	246.2	0.741	252	252
300	13.54	13.50	34.42	25.844	223.2	0.858	302	302
400	11.29	11.24	34.25	26.149	195.5	1.068	403	403
500	8.82	8.77	34.05	26.411	170.5	1.251	504	504
600	6.46	6.41	33.96	26.679	144.0	1.408	605	605
700	5.01	4.95	34.04	26.920	120.4	1.540	706	706
800	4.39	4.33	34.18	27.100	103.5	1.652	807	807
1000	3.84	3.77	34.37	27.309	84.6	1.840	1009	1009
1200	3.34	3.25	34.47	27.439	72.9	1.998	1211	1211
1500	2.78	2.67	34.53	27.539	63.8	2.203	1515	1515
2000	2.11	1.97	34.59	27.646	53.8	2.497	2022	2022
2500	1.74	1.56	34.64	27.717	47.4	2.750	2531	2531
3000	1.57	1.35	34.67	27.756	44.6	2.980	3040	3040
3450	1.50	1.23	34.68	27.772	44.2	3.180	3500	3500

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RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 87

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 08.0 N	155 00.5 W	25/06/73	1952 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.56	23.56	35.40	24.076
10	23.55	23.55	35.40	24.079
20	23.20	23.20	35.37	24.159
30	22.36	22.35	35.28	24.332
50	20.81	20.80	35.19	24.694
75	19.95	19.94	35.20	24.932
100	19.33	19.31	35.20	25.095
125	18.67	18.65	35.10	25.188

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 08.0 N	155 00.5 W	25/06/73	2016 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.58	23.58	35.40	24.070
10	23.55	23.55	35.40	24.079
20	23.51	23.51	35.40	24.092
30	23.12	23.11	35.38	24.190
50	20.99	20.98	35.23	24.676
75	19.95	19.94	35.20	24.932
100	19.46	19.44	35.21	25.069
125	18.74	18.72	35.12	25.186

STD 88A

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 88B

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 10.0 N	155 01.5 W	26/06/73	0024 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.72	23.72	35.36	23.998
10	23.64	23.64	35.38	24.038
20	23.58	23.58	35.37	24.048
30	23.16	23.15	35.34	24.149
50	20.91	20.90	35.16	24.644
75	19.84	19.83	35.20	24.961
100	19.42	19.40	35.20	25.072
125	18.58	18.56	35.08	25.196

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 10.0 N	155 01.5 W	26/06/73	0034 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.70	23.70	35.40	24.035
10	23.59	23.59	35.40	24.068
20	23.17	23.17	35.37	24.168
30	21.95	21.94	35.28	24.448
50	20.47	20.46	35.18	24.778
75	19.67	19.66	35.18	24.990
100	19.19	19.17	35.14	25.085
125	18.45	18.43	35.04	25.197

STD 88C

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 90

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 10.0 N	155 01.5 W	26/06/73	0046 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.71	23.71	35.40	24.032
10	23.56	23.56	35.39	24.069
20	23.17	23.17	35.37	24.168
30	21.99	21.98	35.29	24.444
50	20.51	20.50	35.17	24.760
75	19.67	19.66	35.19	24.998
100	19.25	19.23	35.13	25.062

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 10.5 N	155 08.5 W	26/06/73	0731 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.65	23.65	35.37	24.027
10	23.65	23.65	35.38	24.035
20	23.18	23.18	35.34	24.142
30	21.88	21.87	35.22	24.422
50	20.55	20.54	35.20	24.772
75	19.67	19.66	35.20	25.006
100	19.25	19.23	35.17	25.093
125	18.52	18.50	35.07	25.203

STD 91

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 92

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 19.5 N	154 59.0 W	26/06/73	1318 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.63	23.63	35.45	24.093
10	23.62	23.62	35.45	24.097
20	23.61	23.61	35.45	24.100
30	22.06	22.05	35.41	24.516
50	20.91	20.90	35.27	24.728
75	19.91	19.90	35.23	24.966
100	19.42	19.40	35.22	25.087
125	18.90	18.88	35.15	25.168
150	18.42	18.39	35.08	25.237
200	17.30	17.27	34.92	25.390
250	15.85	15.81	34.67	25.538
300	13.72	13.68	34.42	25.807

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 19.5 N	154 59.0 W	26/06/73	1355 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THERMA
0	23.63	23.63	35.44	24.085
10	23.65	23.65	35.45	24.088
20	23.64	23.64	35.45	24.091
30	22.23	22.22	35.39	24.453
50	21.09	21.08	35.28	24.686
75	20.06	20.05	35.24	24.934
100	19.48	19.46	35.22	25.072
125	18.95	18.93	35.16	25.163
150	18.50	18.47	35.09	25.224
200	17.23	17.20	34.90	25.392
250	15.75	15.71	34.62	25.522
300	13.59	13.55	34.41	25.826
400	10.78	10.73	34.19	26.193
500	8.82	8.77	34.06	26.419
600	6.34	6.29	33.96	26.695
700	5.15	5.09	34.01	26.880
750	4.83	4.77	34.05	26.948

STD 93

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STD 94

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 17.0 N	155 01.0 W	26/06/73	1940 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.62	23.62	35.45	24.096	380.9	0.000	0
10	23.62	23.62	35.45	24.097	381.3	0.038	10
20	23.62	23.62	35.46	24.105	380.9	0.076	20
30	23.42	23.41	35.37	24.096	382.2	0.114	30
50	21.33	21.32	35.31	24.644	330.8	0.186	50
75	19.90	19.89	35.26	24.991	298.6	0.264	76
100	18.87	18.85	35.14	25.167	282.7	0.337	101
125	18.47	18.45	35.12	25.254	275.3	0.407	126
150	17.98	17.95	35.05	25.323	269.6	0.475	151
200	17.23	17.20	34.93	25.415	262.4	0.608	201
250	15.93	15.89	34.67	25.520	253.6	0.737	252
300	13.32	13.28	34.40	25.873	220.4	0.855	302
400	10.96	10.91	34.22	26.185	191.8	1.061	403
500	8.86	8.81	34.07	26.421	169.7	1.242	504
600	6.52	6.46	33.96	26.672	144.8	1.399	605
700	5.23	5.17	34.01	26.871	125.4	1.535	706
750	4.66	4.60	34.06	26.975	115.2	1.595	756

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 20.5 N	155 02.0 W	27/06/73	0156 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.73	23.73	35.46	24.071	383.2	0.000	0
10	23.74	23.74	35.47	24.076	383.2	0.038	10
20	23.41	23.41	35.45	24.159	375.8	0.076	20
30	22.55	22.54	35.37	24.347	358.3	0.113	30
50	20.85	20.84	35.22	24.706	324.8	0.181	50
75	20.06	20.05	35.25	24.942	303.3	0.260	76
100	19.32	19.30	35.22	25.113	287.9	0.334	101
125	18.56	18.54	35.13	25.239	276.8	0.404	126
150	18.16	18.13	35.07	25.294	272.4	0.473	151
200	17.00	16.97	34.87	25.423	261.5	0.606	201
250	15.74	15.70	34.67	25.563	249.5	0.734	252
300	13.75	13.71	34.42	25.801	227.4	0.853	302
400	10.88	10.83	34.20	26.183	191.9	1.063	403
500	8.48	8.43	34.03	26.448	166.7	1.242	504
600	6.39	6.34	33.96	26.688	143.0	1.397	605
700	5.05	4.99	34.02	26.899	122.4	1.530	706
750	4.67	4.61	34.07	26.982	114.6	1.589	756

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 16.0 N	155 01.5 W	27/06/73	0817 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.60	23.60	35.45	24.102	380.3	0.000	0
10	23.60	23.60	35.45	24.102	380.7	0.038	10
20	23.52	23.52	35.44	24.119	379.6	0.076	20
30	22.26	22.25	35.37	24.429	350.4	0.113	30
50	21.19	21.18	35.34	24.705	324.9	0.180	50
75	20.04	20.03	35.24	24.939	303.5	0.259	76
100	18.95	18.93	35.14	25.147	284.6	0.332	101
125	18.54	18.52	35.12	25.236	277.0	0.402	126
150	18.16	18.13	35.07	25.294	272.4	0.471	151
200	17.18	17.15	34.91	25.411	262.7	0.605	201
250	15.91	15.87	34.70	25.547	251.0	0.733	252
300	13.50	13.46	34.40	25.836	223.9	0.852	302
400	10.82	10.77	34.20	26.194	190.8	1.059	403
500	8.88	8.83	34.08	26.426	169.2	1.239	504
600	6.50	6.44	33.96	26.674	144.5	1.396	605
700	5.10	5.04	34.03	26.901	122.3	1.530	706

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 37.0 N	155 14.0 W	27/06/73	2123 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.76	23.76	35.45	24.055	384.8	0.000	0
10	23.75	23.75	35.45	24.058	384.9	0.038	10
20	23.67	23.67	35.45	24.083	383.1	0.077	20
30	22.81	22.80	35.41	24.303	362.5	0.114	30
50	21.31	21.30	35.32	24.657	329.5	0.183	50
75	19.99	19.98	35.22	24.937	303.7	0.263	76
100	18.94	18.92	35.14	25.149	284.4	0.336	101
125	18.49	18.47	35.11	25.241	276.5	0.406	126
150	18.02	17.99	35.03	25.298	272.0	0.475	151
200	17.20	17.17	34.91	25.407	263.2	0.608	201
250	16.08	16.04	34.68	25.493	256.2	0.738	252
300	13.59	13.55	34.40	25.818	225.7	0.859	302
400	10.74	10.69	34.17	26.185	191.6	1.067	403
500	8.68	8.63	34.05	26.433	168.3	1.247	504

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 20.0 N	154 59.0 W	28/06/73	0113 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D. BAR
0	23.83	23.83	35.45	24.034	386.8	0.000	0
10	23.80	23.80	35.45	24.044	386.3	0.039	10
20	23.44	23.44	35.44	24.142	377.4	0.077	20
30	21.92	21.91	35.36	24.517	342.0	0.113	30
50	21.27	21.26	35.35	24.691	326.3	0.180	50
75	19.88	19.87	35.24	24.981	299.5	0.258	76
100	19.42	19.40	35.21	25.080	291.1	0.332	101
125	18.64	18.62	35.13	25.219	278.7	0.403	126
150	18.30	18.27	35.09	25.274	274.3	0.472	151
200	17.13	17.10	34.90	25.416	262.3	0.606	201
250	15.85	15.81	34.70	25.561	249.7	0.734	252
300	13.75	13.71	34.42	25.801	227.4	0.853	302
400	10.81	10.76	34.19	26.188	191.4	1.063	403
500	8.82	8.77	34.07	26.427	169.0	1.243	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 17.5 N	154 53.5 W	28/06/73	0850 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.75	23.75	35.54	24.126	378.0	0.000	0
10	23.45	23.45	35.49	24.177	373.6	0.038	10
20	22.48	22.48	35.39	24.381	354.6	0.074	20
30	21.72	21.71	35.38	24.588	335.2	0.108	30
50	20.85	20.84	35.35	24.805	315.4	0.174	50
75	19.92	19.91	35.27	24.994	298.4	0.250	76
100	19.37	19.35	35.26	25.131	286.2	0.323	101
125	18.63	18.61	35.17	25.252	275.5	0.394	126
150	18.17	18.14	35.09	25.306	271.2	0.462	151
200	16.88	16.85	34.90	25.475	256.6	0.594	201
250	14.93	14.89	34.58	25.673	238.7	0.718	252
300	13.24	13.20	34.44	25.920	215.9	0.831	302
400	10.60	10.55	34.24	26.264	184.0	1.031	403
500	8.69	8.64	34.11	26.479	164.0	1.205	504
600	6.28	6.23	34.01	26.742	137.9	1.356	605
700	4.99	4.93	34.08	26.953	117.2	1.484	706
800	4.31	4.25	34.18	27.108	102.5	1.594	807
1000	3.72	3.65	34.39	27.337	81.7	1.778	1009
1200	3.25	3.16	34.49	27.463	70.3	1.930	1211
1500	2.67	2.56	34.57	27.581	59.5	2.125	1515
2000	2.06	1.92	34.62	27.674	51.0	2.401	2022
2500	1.73	1.55	34.65	27.725	46.6	2.645	2531
3000	1.57	1.35	34.67	27.756	44.6	2.873	3040
3500	1.50	1.23	34.67	27.765	45.0	3.097	3551

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 17.5 N	154 37.5 W	28/06/73	1614 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.68	23.68	35.46	24.086
10	23.68	23.68	35.46	24.087
20	23.47	23.47	35.46	24.149
30	21.81	21.80	35.39	24.570
50	21.27	21.26	35.36	24.698
75	20.15	20.14	35.25	24.918
100	19.49	19.47	35.21	25.062
125	18.92	18.90	35.15	25.163
150	18.32	18.29	35.06	25.246
200	16.85	16.82	34.82	25.420
250	14.93	14.89	34.53	25.634
300	12.52	12.48	34.29	25.946

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 21.0 N	154 40.5 W	28/06/73	1919 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.74	23.74	35.45	24.061
10	23.72	23.72	35.45	24.067
20	23.71	23.71	35.45	24.071
30	23.14	23.13	35.43	24.223
50	21.34	21.33	35.36	24.679
75	20.11	20.10	35.22	24.906
100	19.32	19.30	35.20	25.098
125	18.89	18.87	35.16	25.178
150	18.33	18.30	35.06	25.244
200	16.77	16.74	34.81	25.432
250	14.53	14.49	34.48	25.682
300	12.60	12.56	34.29	25.931
400	10.65	10.60	34.19	26.216
500	8.42	8.37	34.00	26.434
600	6.12	6.07	33.95	26.715
700	4.84	4.78	33.99	26.899
750	4.67	4.61	34.07	26.982

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 16.5 N	154 34.0 W	29/06/73	0152 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.76	23.76	35.45	24.055
10	23.75	23.75	35.45	24.058
20	23.68	23.68	35.45	24.079
30	21.90	21.89	35.38	24.538
50	21.13	21.12	35.30	24.691
75	19.89	19.88	35.24	24.979
100	19.32	19.30	35.19	25.090
125	18.77	18.75	35.13	25.186
150	18.06	18.03	35.02	25.280
200	16.33	16.30	34.73	25.472
250	14.05	14.01	34.43	25.745
300	12.43	12.39	34.28	25.956
400	10.44	10.39	34.17	26.237
500	8.12	8.07	34.01	26.486
600	5.94	5.89	33.94	26.729
700	4.83	4.77	34.00	26.908
750	4.61	4.55	34.09	27.004

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 22.0 N	154 39.5 W	29/06/73	0815 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.76	23.76	35.43	24.040
10	23.74	23.74	35.44	24.054
20	23.75	23.75	35.44	24.052
30	23.35	23.34	35.42	24.154
50	21.53	21.52	35.35	24.619
75	20.71	20.70	35.31	24.814
100	19.60	19.58	35.20	25.025
125	18.88	18.86	35.13	25.158
150	18.28	18.25	35.05	25.249
200	16.65	16.62	34.80	25.452
250	14.32	14.28	34.45	25.703
300	12.49	12.45	34.26	25.929
400	10.55	10.50	34.17	26.218
500	8.36	8.31	34.02	26.458
600	6.28	6.23	33.94	26.687
700	4.90	4.84	33.98	26.884
750	4.65	4.59	34.06	26.976

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 18.5 N	154 40.0 W	29/06/73	1622 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.69	23.69	35.42	24.053
10	23.69	23.69	35.42	24.053
20	23.69	23.69	35.42	24.054
30	22.92	22.91	35.44	24.294
50	21.34	21.33	35.32	24.649
75	20.06	20.05	35.23	24.926
100	19.31	19.29	35.19	25.093
125	18.76	18.74	35.12	25.181
150	18.16	18.13	35.03	25.263
200	16.42	16.39	34.75	25.467
250	14.04	14.00	34.42	25.739
300	12.43	12.39	34.27	25.948

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
28 18.5 N	154 40.0 W	29/06/73	1640 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.69	23.69	35.42	24.053
10	23.69	23.69	35.42	24.053
20	23.68	23.68	35.42	24.057
30	23.17	23.16	35.44	24.222
50	21.34	21.33	35.32	24.649
75	20.13	20.12	35.23	24.908
100	19.43	19.41	35.19	25.062
125	18.83	18.81	35.13	25.171
150	18.20	18.17	35.04	25.261
200	16.50	16.47	34.76	25.456
250	14.04	14.00	34.41	25.731
300	12.43	12.39	34.27	25.948

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 30.5 N	155 27.5 W	29/06/73	2323 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.87	23.87	35.43	24.007	389.3	0.000	0
10	23.85	23.85	35.42	24.006	389.9	0.039	10
20	23.68	23.68	35.42	24.057	385.5	0.078	20
30	22.45	22.44	35.37	24.375	355.6	0.115	30
50	21.34	21.33	35.34	24.664	328.9	0.183	50
75	20.07	20.06	35.23	24.924	305.0	0.262	76
100	19.31	19.29	35.17	25.078	291.3	0.337	101
125	18.73	18.71	35.11	25.181	282.3	0.409	126
150	18.26	18.23	35.05	25.253	276.2	0.479	151
200	16.92	16.89	34.83	25.411	262.6	0.613	201
250	14.63	14.59	34.48	25.660	239.7	0.739	252
300	12.54	12.50	34.26	25.919	215.5	0.853	302

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
27 18.0 N		154 35.5 W		01/07/73		0210 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	23.91	23.91	35.46	24.018	388.3	0.000	0		
10	23.91	23.91	35.46	24.019	388.7	0.039	10		
20	23.89	23.89	35.46	24.025	388.5	0.078	20		
30	23.60	23.59	35.48	24.126	379.3	0.116	30		
50	22.40	22.39	35.35	24.375	356.4	0.190	50		
75	20.85	20.84	35.22	24.707	325.7	0.275	75		
100	19.94	19.92	35.21	24.944	304.1	0.354	101		
125	19.50	19.48	35.19	25.045	295.4	0.429	126		
150	18.76	18.73	35.07	25.144	286.8	0.501	151		
200	17.63	17.60	34.91	25.303	273.1	0.641	201		
250	15.61	15.57	34.57	25.515	254.0	0.773	252		
300	13.32	13.28	34.25	25.757	231.3	0.894	302		
400	10.77	10.72	34.09	26.117	198.0	1.109	403		
500	8.09	8.04	33.93	26.428	168.1	1.292	504		
600	6.18	6.13	33.91	26.676	143.9	1.448	605		
700	5.05	4.99	33.97	26.859	126.1	1.583	706		
800	4.51	4.45	34.13	27.047	108.6	1.701	807		
1000	3.80	3.73	34.34	27.289	86.4	1.896	1009		

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LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
27 17.0 N		154 35.5 W		01/07/73		0309 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	23.89	23.89	35.46	24.024	387.8	0.000	0		
10	23.89	23.89	35.46	24.025	388.1	0.039	10		
20	23.83	23.83	35.45	24.035	387.5	0.078	20		
30	23.03	23.02	35.42	24.247	367.8	0.115	30		
50	21.80	21.79	35.33	24.529	341.7	0.186	50		
75	20.71	20.70	35.27	24.783	318.4	0.269	75		
100	19.87	19.85	35.22	24.970	301.6	0.346	101		
125	19.37	19.35	35.18	25.071	292.9	0.421	126		
150	18.68	18.65	35.08	25.171	284.1	0.493	151		
200	17.54	17.51	34.91	25.325	271.0	0.632	201		
250	15.42	15.38	34.55	25.542	251.3	0.762	252		
300	13.22	13.18	34.35	25.854	222.1	0.880	302		
400	10.71	10.66	34.12	26.151	194.8	1.089	403		
500	8.19	8.14	33.97	26.445	166.7	1.270	504		
600	6.18	6.13	33.93	26.691	142.5	1.424	605		
700	4.98	4.92	33.99	26.883	123.8	1.557	706		
800	4.56	4.50	34.13	27.042	109.3	1.674	807		
1000	3.85	3.78	34.33	27.276	87.7	1.871	1009		

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
27 24.5 N		154 33.5 W		01/07/73		0403 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	23.83	23.83	35.46	24.042	386.1	0.000	0		
10	23.82	23.82	35.47	24.053	385.4	0.039	10		
20	23.77	23.77	35.47	24.068	384.4	0.077	20		
30	22.85	22.84	35.41	24.291	363.6	0.114	30		
50	21.67	21.66	35.33	24.565	338.3	0.185	50		
75	20.54	20.53	35.21	24.783	318.4	0.267	75		
100	19.97	19.95	35.24	24.959	302.6	0.344	101		
125	19.39	19.37	35.17	25.058	294.1	0.419	126		
150	18.79	18.76	35.10	25.159	285.3	0.491	151		
200	17.56	17.53	34.90	25.312	272.2	0.631	201		
250	15.65	15.61	34.60	25.529	252.6	0.762	252		
300	13.51	13.47	34.37	25.811	226.3	0.882	302		
400	10.80	10.75	34.11	26.127	197.1	1.093	403		
500	8.24	8.19	33.97	26.437	167.4	1.276	504		
600	6.12	6.07	33.93	26.699	141.7	1.430	605		
700	5.03	4.97	34.00	26.885	123.7	1.563	706		
800	4.53	4.47	34.14	27.053	108.1	1.679	807		
1000	3.84	3.77	34.33	27.277	87.6	1.875	1009		

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TASADAY EXPEDITION LEG 1

STD 111

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 24.0 N	154 33.5 W	01/07/73	0450 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.81	23.81	35.46	24.048	385.5	0.000	0
10	23.81	23.81	35.47	24.056	385.2	0.039	10
20	23.77	23.77	35.47	24.068	384.4	0.077	20
30	22.92	22.91	35.42	24.279	364.8	0.114	30
50	21.69	21.68	35.33	24.559	338.8	0.185	50
75	20.54	20.53	35.24	24.806	316.3	0.267	75
100	19.97	19.95	35.23	24.951	303.4	0.344	101
125	19.49	19.47	35.21	25.063	293.7	0.419	126
150	18.77	18.74	35.10	25.164	284.8	0.491	151
200	17.37	17.34	34.86	25.328	270.7	0.630	201
250	15.44	15.40	34.56	25.545	251.0	0.760	252
300	13.39	13.35	34.36	25.828	224.7	0.879	302
400	10.45	10.40	34.08	26.165	193.2	1.088	403
500	8.20	8.15	33.97	26.443	166.8	1.268	504
600	6.19	6.14	33.90	26.666	144.8	1.424	605
700	5.08	5.02	33.98	26.864	125.8	1.559	706
800	4.51	4.45	34.14	27.055	107.9	1.676	807
1000	3.87	3.79	34.32	27.266	88.7	1.873	1009

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 25.5 N	154 35.0 W	01/07/73	0600 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	23.78	23.78	35.47	24.064	383.9	0.000	0
10	23.78	23.78	35.47	24.065	384.3	0.038	10
20	23.76	23.76	35.46	24.064	384.9	0.077	20
30	22.96	22.95	35.42	24.267	365.9	0.114	30
50	21.66	21.65	35.32	24.560	338.7	0.185	50
75	20.33	20.32	35.23	24.855	311.6	0.266	75
100	19.68	19.66	35.19	24.997	299.0	0.342	101
125	19.24	19.22	35.16	25.089	291.1	0.416	126
150	18.80	18.77	35.12	25.172	284.1	0.488	151
200	17.47	17.44	34.89	25.326	270.9	0.627	201
250	15.75	15.71	34.63	25.529	252.6	0.758	252
300	13.54	13.50	34.38	25.813	226.2	0.877	302
400	10.40	10.35	34.08	26.174	192.4	1.087	403
500	8.37	8.32	33.96	26.410	170.1	1.268	504
600	6.50	6.44	33.91	26.635	148.2	1.427	605
700	5.10	5.04	33.99	26.870	125.3	1.564	706
800	4.54	4.48	34.13	27.044	109.0	1.681	807
1000	3.88	3.80	34.32	27.265	88.8	1.879	1009

STD 112

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG 1

STD 113

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 25.5 N	154 35.0 W	01/07/73	0644 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.76	23.76	35.46	24.062
10	23.76	23.76	35.47	24.071
20	23.76	23.76	35.47	24.071
30	22.92	22.91	35.39	24.256
50	21.56	21.55	35.32	24.588
75	20.30	20.29	35.24	24.870
100	19.70	19.68	35.20	24.999
125	19.25	19.23	35.17	25.094
150	18.75	18.72	35.09	25.161
200	17.31	17.28	34.85	25.334
250	15.54	15.50	34.60	25.553
300	13.51	13.47	34.37	25.811
400	10.64	10.59	34.11	26.155
500	8.43	8.38	33.98	26.417
600	6.49	6.44	33.92	26.644
700	5.03	4.97	33.98	26.870
800	4.46	4.40	34.14	27.060
1000	3.85	3.78	34.33	27.276

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 25.5 N	154 34.0 W	01/07/73	0749 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.75	23.75	35.46	24.065
10	23.73	23.73	35.46	24.072
20	23.52	23.52	35.44	24.119
30	22.80	22.79	35.41	24.306
50	21.42	21.41	35.32	24.626
75	20.37	20.36	35.24	24.852
100	19.66	19.64	35.19	25.002
125	19.27	19.25	35.18	25.096
150	18.72	18.69	35.10	25.177
200	17.13	17.10	34.82	25.354
250	15.72	15.68	34.64	25.544
300	13.66	13.62	34.39	25.796
400	10.81	10.76	34.13	26.141
500	8.36	8.31	33.98	26.427
600	6.49	6.44	33.93	26.652
700	5.02	4.96	33.99	26.879
800	4.46	4.40	34.14	27.060
1000	3.86	3.78	34.33	27.275

STD 114

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG 1

STD 115

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 25.0 N	154 34.0 W	01/07/73	0911 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.75	23.75	35.47	24.073
10	23.75	23.75	35.47	24.073
20	23.76	23.76	35.47	24.071
30	22.93	22.92	35.42	24.276
50	21.49	21.48	35.33	24.615
75	20.32	20.31	35.22	24.850
100	19.90	19.88	35.24	24.977
125	19.37	19.35	35.20	25.086
150	18.79	18.76	35.12	25.174
200	17.19	17.16	34.86	25.371
250	15.73	15.69	34.62	25.526
300	13.76	13.72	34.39	25.775
400	10.80	10.75	34.13	26.143
500	8.45	8.40	33.97	26.406
600	6.40	6.35	33.92	26.655
700	5.04	4.98	34.00	26.885
800	4.48	4.42	34.16	27.074
1000	3.84	3.77	34.33	27.277

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
27 25.0 N	154 34.0 W	01/07/73	0946 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	23.75	23.75	35.47	24.073
10	23.75	23.75	35.47	24.073
20	23.71	23.71	35.46	24.078
30	22.95	22.94	35.41	24.262
50	21.39	21.38	35.33	24.642
75	20.29	20.28	35.23	24.865
100	19.88	19.86	35.24	24.983
125	19.20	19.18	35.16	25.099
150	18.60	18.57	35.08	25.192
200	16.97	16.94	34.81	25.384
250	15.38	15.34	34.57	25.566
300	13.38	13.34	34.37	25.837
400	10.74	10.69	34.13	26.153
500	8.46	8.41	33.96	26.396
600	6.37	6.32	33.92	26.659
700	4.94	4.88	33.99	26.888
800	4.47	4.41	34.13	27.051
1000	3.85	3.78	34.32	27.268

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I								STATION				5A	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL		CLD AMT	TYPE		
30 42.0 N	121 10.0 W	07/06/73	0218 GMT														
CAST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db	
1	0	16.13												0.04	0.01	0	
1	8	16.11												0.05	0.00	8	
1	17	16.03												0.04	0.01	17	
1	21P	16.02												0.05	0.01	21	
1	28P	15.84												0.05	0.01	28	
1	35P	15.59												0.05	0.01	35	
1	44P	15.35												0.05	0.01	44	
1	51P	15.09												0.05	0.01	51	
1	59P	15.03												0.04	0.01	59	
1	66P	15.02												0.06	0.01	66	
1	74P	14.92												0.06	0.02	75	
1	83P	14.78												0.07	0.02	84	
1	92P	14.55												0.07	0.07	93	
1	98P	13.95												0.10	0.06	99	
1	107P	13.47												0.12	0.10	108	
1	115P	12.81												0.12	0.07	116	
1	136P	11.62												0.10	0.08	137	
1	160P													0.05	0.08	161	

RV THOMAS WASHINGTON					TASADAY EXPEDITION LEG I							STATION				17	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 2.5 N	155 0.5 W	16/06/73	2205 GMT	5600 m				1		24.2 C	21.3 C		4/8	CU			
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	2	23.02						5.20		3.0	0.24	0.4	0.00	0.04	0.01	2	
1	12	23.02						5.09		2.0	0.22	0.3	0.00	0.03	0.01	12	
1	22	22.93						5.24		4.0	0.22	0.2	0.01	0.04	0.01	22	
1	32	22.91						5.07		3.0	0.20	0.4	0.00	0.05	0.01	32	
1	43	21.56						5.38		2.0	0.18	0.3	0.00	0.05	0.01	43	
1	53	21.16						5.41		6.0	0.16	0.2	0.00	0.06	0.01	53	
1	63	20.87						5.36		2.0	0.22	0.2	0.00	0.06	0.01	63	
1	72	20.27						5.58		2.0	0.21	0.3	0.00	0.07	0.01	73	
1	80	20.14						5.39		7.0	0.22	0.5	0.01	0.07	0.02	81	

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION		19
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE		
28 2.5 N	155 3.0 W	17/06/73	1801 GMT		100 18 kn	100 05	1						2/8	SC		
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m		DEG C	DEG C	ml/l	THETA			uM/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	147	19.00						5.16		2.0	0.11	0.5	0.14			148
1	171	18.36						5.07		3.0	0.11	1.1	0.04			172
1	196	17.67						4.99		3.0	0.14	1.8	0.01			197
1	221	16.77						4.95		4.0	0.16	2.6	0.02			223
1	246	15.49						5.05		6.0	0.25	4.5	0.01			248
1	270	14.53						4.96		7.0	0.33	5.2	0.02			272
1	294	13.62						4.74		9.0	0.47	7.3	0.02			296
1	343	12.10						4.89		12.0	0.58	10.1	0.02			346
1	392	10.91						4.88		16.0	0.81	13.2	0.02			395
1	489	8.68						4.29		31.0	1.28	20.7	0.04			493
1	585	6.58						3.06		54.0	1.96	30.7	0.04			590
1	681	5.17						1.74		80.0	2.53	39.2	0.03			687

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG 1										STATION		28	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE			
28 1.5 N	154 58.0 W	18/06/73	2057 GMT														
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	138	19.58								2.0	0.13	0.1	0.00	0.11	0.11	139	
1	151	19.20								2.0	0.13	0.3	0.16	0.11	0.11	152	
1	176	18.53								2.0	0.16	0.9	0.06	0.06	0.08	177	
1	201	17.68								3.0	0.17	1.4	0.02	0.02	0.02	203	
1	251	15.55								6.0	0.28	4.2	0.01	0.01	0.01	253	
1	302	13.44								9.0	0.50	7.5	0.02	0.01	0.01	304	

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION				29
LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL		CLD AMT	TYPE		
27 58.5 N		154 58.0 W	19/06/73	0245 GMT					1		26.5 C	22.1 C			3/8	CU		
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAE0	PRESS		
m		DEG C	DEG C		THETA			ml/l	PCT	uM/l	ug/l	uM/l	uM/l	ug/l	ug/l	db		
1	0	24.16								1.0	0.18	0.1	0.01	0.05	0.03	0		
1	15	23.17								1.0	0.16	0.1	0.00	0.03	0.01	15		
1	30	22.76								1.0	0.14	0.1	0.00	0.04	0.02	30		
1	46	21.62								2.0	0.14	0.1	0.00	0.05	0.01	46		
1	62	21.21								2.0	0.14	0.1	0.03	0.06	0.02	62		
1	76	20.71								2.0	0.14	0.1	0.00	0.06	0.02	77		
1	91	20.17								2.0	0.15	0.1	0.00	0.07	0.02	92		
1	106	19.87								2.0	0.15	0.1	0.00	0.10	0.04	107		
1	122	19.63								2.0	0.16	0.1	0.00	0.14	0.15	123		
1	137	19.48								2.0	0.16	0.2	0.02	0.13	0.17	138		
1	152	19.10								2.0	0.17	0.3	0.14	0.12	0.16	153		
1	203	17.70								3.0	0.19	1.4	0.03	0.02	0.03	205		
1	254	15.67								6.0	0.30	4.1	0.02			256		
1	305	13.91								9.0	0.47	7.2	0.02			307		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION 30			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
27 58.5 N	154 57.5 W	19/06/73	1023 GMT														
CAST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAE0	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	3	23.80							1.0	0.18	0.1	0.00	0.03	0.01	3		
1	16	23.01							1.0	0.15	0.1	0.00	0.04	0.02	16		
1	40	21.72							2.0	0.14	0.1	0.01	0.04	0.01	40		
1	55	21.08							2.0	0.13	0.1	0.00	0.05	0.02	55		
1	69	20.44							2.0	0.14	0.2	0.02	0.06	0.02	69		
1	84	20.15							2.0	0.14	0.1	0.00	0.07	0.02	85		
1	99	19.86							2.0	0.14	0.1	0.01	0.07	0.04	100		
1	115	19.77							2.0	0.14	0.1	0.00	0.10	0.06	116		
1	130	19.61							2.0	0.14	0.1	0.00	0.10	0.10	131		
1	145	19.36							2.0	0.14	0.0	0.09	0.12	0.12	146		
1	162	18.93							2.0	0.16	0.3	0.20	0.08	0.10	163		
1	212	17.42							4.0	0.18	1.4	0.03	0.01	0.02	214		
1	261	15.39							6.0	0.29	4.5	0.02			263		
1	306	13.24							10.0	0.51	8.2	0.02			308		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION				31
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE					
28 1.5 N	155 0.5 W	19/06/73	1254 GMT															
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAE0	PRESS		
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	1	23.46	23.46	35.396	24.102	380.3	0.004	5.00	103.2							1		
1	26	22.97	22.96	35.445	24.283	364.2	0.097	5.05	103.4							26		
1	50	21.56	21.55	35.383	24.636	331.5	0.180	5.28	105.4							50		
1	75	20.58	20.57	35.333	24.866	310.5	0.261	5.35	104.9							75		
1	100	20.00	19.98	35.298	24.995	299.2	0.337	5.30	102.7							100		
1	125	19.57	19.55	35.259	25.079	292.1	0.411	5.22	100.4							125		
1	149	19.18	19.15	35.216	25.148	286.4	0.480	5.14	98.1							150		
1	199	17.99	17.96	35.041	25.315	272.1	0.620	5.04	93.9							200		
1	248	16.08	16.04	34.731	25.532	252.4	0.748	4.81	86.2							249		
1	297	13.59	13.55	34.416	25.830	224.5	0.865	4.77	81.1							298		
1	346	12.28	12.23	34.310	26.009	208.1	0.971	4.85	80.2							348		
1	395	10.94	10.89	34.219	26.187	191.4	1.069	4.84	77.7							397		
1	493	8.67	8.62	34.072	26.452	166.4	1.244	4.19	63.9							496		
1	691	5.00	4.94	34.058	26.935	118.9	1.527	1.62	22.7							695		
1	887	4.10	4.03	34.279	27.209	93.5	1.735	0.41	5.6							893		
1	1084	3.66	3.58	34.433	27.378	78.5	1.904	0.64	8.7							1092		
1	1281	3.19	3.10	34.509	27.484	68.8	2.049	1.08	14.5							1292		
1	1481	2.80	2.69	34.551	27.554	62.4	2.181	1.35	17.9							1494		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION 32			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 2.5 N	155 1.0 W	19/06/73	1605 GMT						21.3 C	20.5 C		1/8	CU				
CAST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAE0	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	3	23.42							1.0	0.15	0.1	0.01	0.04	0.01	3		
1	16	23.14							1.0	0.16	0.1	0.00	0.04	0.01	16		
1	32	22.77							1.0	0.14	0.1	0.01	0.05	0.01	32		
1	45	22.37							2.0	0.16	0.1	0.00	0.06	0.01	45		
1	61	21.13							2.0	0.14	0.1	0.00	0.06	0.01	61		
1	76	20.46							2.0	0.19	0.1	0.01	0.07	0.02	77		
1	90	20.05							2.0	0.21	0.1	0.02	0.08	0.02	91		
1	106	19.80							2.0	0.22	0.1	0.01	0.10	0.08	107		
1	121	19.61							2.0	0.21	0.1	0.03	0.12	0.16	122		
1	136	19.41							2.0	0.22	0.1	0.06	0.12	0.15	137		
1	152	19.08							3.0	0.23	0.1	0.20	0.10	0.14	153		
1	202	17.88							3.0	0.26	1.7	0.04	0.04	0.05	204		
1	250	15.61							6.0	0.33	1.1	0.02			252		
1	296	13.09							10.0	0.64	7.8	0.03			298		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION 35			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 4.5 N	154 42.5 W	20/06/73	1531 GMT														
CAST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SiO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	4	23.18							1.0	0.13	0.2	0.00	0.05	0.01	4		
1	18	23.17							1.0	0.12	0.1	0.00	0.05	0.01	18		
1	32	22.89							1.0	0.13	0.2	0.01	0.05	0.01	32		
1	47	21.33							2.0	0.10	0.1	0.00	0.06	0.01	47		
1	61	20.27							2.0	0.10	0.1	0.00	0.07	0.02	61		
1	76	20.01							2.0	0.10	0.2	0.00	0.07	0.02	77		
1	91	19.85							2.0	0.13	0.2	0.00	0.07	0.03	92		
1	106	19.69							2.0	0.12	0.3	0.00	0.08	0.06	107		
1	122	19.50							2.0	0.12	0.3	0.00	0.09	0.14	123		
1	136	19.26							2.0	0.12	0.2	0.07	0.11	0.12	137		
1	152	18.98							2.0	0.14	0.7	0.08	0.08	0.13	153		
1	203	17.43							3.0	0.16	1.5	0.03	0.01	0.01	205		
1	252	16.03							4.0	0.19	1.8	0.19			254		
1	298	13.51							8.0	0.51	7.5	0.03			300		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION 37			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 1.5 N	154 41.0 W	20/06/73	2105 GMT														
CAST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SiO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	150	19.12							2.0	0.14	0.3	0.16	0.09	0.14	151		
1	164	18.68							2.0	0.15	0.7	0.05	0.05	0.07	165		
1	189	18.05							3.0	0.16	1.1	0.04	0.02	0.03	190		
1	213	17.45							3.0	0.16	1.1	0.03	0.01	0.01	215		
1	263	15.89							5.0	0.21	2.1	0.03	0.00	0.01	265		
1	312	13.26							10.0	0.54	8.3	0.03	0.00	0.01	314		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION 38			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 4.0 N	154 35.5 W	21/06/73	0237 GMT														
CAST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SiO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	1	23.22							2.0	0.15	0.1	0.00	0.04	0.01	1		
1	16	22.99							2.0	0.15	0.2	0.01	0.04	0.01	16		
1	32	21.61							2.0	0.14	0.1	0.00	0.05	0.01	32		
1	47	21.08							2.0	0.13	0.2	0.00	0.05	0.01	47		
1	62	20.39							2.0	0.13	0.1	0.00	0.05	0.01	62		
1	77	20.06							2.0	0.13	0.1	0.00	0.07	0.02	78		
1	93	19.80							2.0	0.14	0.1	0.00	0.10	0.04	94		
1	108	19.70							2.0	0.15	0.1	0.00	0.10	0.12	109		
1	123	19.52							2.0	0.15	0.1	0.02	0.13	0.14	124		
1	138	19.09							2.0	0.16	0.1	0.20	0.12	0.12	139		
1	152	18.71							2.0	0.18	0.8	0.03	0.06	0.07	153		
1	201	17.49							3.0	0.20	1.6	0.04	0.01	0.02	203		
1	251	15.38							6.0	0.31	3.5	0.01			253		
1	298	13.42							9.0	0.54	7.6	0.02			300		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION 39			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
27 59.5 N	154 39.0 W	21/06/73	1017 GMT														
CAST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SiO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	1	23.04							2.0	0.20	0.1	0.00	0.04	0.01	1		
1	16	23.00							2.0	0.15	0.1	0.00	0.04	0.01	16		
1	32	21.79							2.0	0.16	0.1	0.00	0.06	0.01	32		
1	47	21.53							2.0	0.15	0.1	0.00	0.05	0.01	47		
1	62	20.75							2.0	0.13	0.1	0.00	0.06	0.01	62		
1	77	20.17							2.0	0.15	0.1	0.00	0.07	0.02	78		
1	92	19.88							2.0	0.15	0.1	0.00	0.08	0.03	93		
1	107	19.75							2.0	0.14	0.1	0.00	0.09	0.05	108		
1	122	19.64							2.0	0.16	0.2	0.00	0.10	0.12	123		
1	137	19.40							2.0	0.16	0.2	0.04	0.13	0.16	138		
1	152	19.13							2.0	0.18	0.4	0.17	0.12	0.14	153		
1	201	18.05							3.0	0.19	1.2	0.02	0.02	0.03	203		
1	249								4.0	0.25	2.2	0.02			251		
1	297	13.87							8.0	0.50	6.8	0.02			299		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I							STATION 40						
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 0.0 N	154 40.0 W	21/06/73	1315 GMT														
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	2	23.01	23.01	35.497	24.309	360.6	0.707	5.17	106.0							2	
1	27	22.99	22.98	35.494	24.314	361.3	0.097	5.34	109.4							27	
1	52	21.41	21.40	35.376	24.672	328.2	0.184	5.39	107.3							52	
1	76	20.17	20.16	35.317	24.964	301.3	0.259	5.55	108.0							76	
1	101	19.71	19.69	35.308	25.079	291.2	0.333	5.42	104.5							101	
1	126	19.49	19.47	35.291	25.125	287.8	0.406	5.23	100.4							127	
1	150	19.04	19.01	35.233	25.197	281.8	0.474	5.05	96.1							151	
1	200	17.87	17.84	35.029	25.336	270.1	0.612	5.16	95.9							201	
1	250	16.51	16.47	34.817	25.500	255.8	0.743	5.31	96.0							251	
1	299	14.13	14.09	34.490	25.776	230.0	0.862	4.88	84.0							300	
1	349	12.30	12.25	34.315	26.009	208.2	0.972	4.94	81.7							351	
1	398	11.11	11.06	34.249	26.180	192.3	1.070	5.08	81.9							400	
1	498	8.83	8.78	34.087	26.439	167.9	1.250	4.34	66.5							501	
1	696	4.98	4.92	34.061	26.940	118.5	1.534	1.70	23.8							700	
1	894	4.10	4.03	34.282	27.212	93.3	1.743	0.43	5.9							900	
1	1092	3.56	3.48	34.438	27.391	77.0	1.912	0.77	10.4							1100	
1	1291	3.18	3.09	34.512	27.488	68.5	2.057	1.16	15.6							1302	
1	1491	2.83	2.72	34.553	27.553	62.7	2.188	1.42	18.9							1504	

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I							STATION 43						
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 10.0 N	154 39.0 W	22/06/73	1421 GMT						22.0 C	20.1 C							
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	2	23.46								2.0	0.08	0.2	0.02	0.04	0.01	2	
1	17	23.13								2.0	0.08	0.1	0.00	0.04	0.01	17	
1	31	23.01								2.0	0.06	0.1	0.00	0.04	0.01	31	
1	46	21.85								2.0	0.09	0.2	0.00	0.05	0.01	46	
1	61	21.29								2.0	0.13	0.1	0.01	0.06	0.01	61	
1	76	20.35								2.0	0.09	0.1	0.01	0.06	0.02	77	
1	91	19.99								2.0	0.09	0.1	0.01	0.07	0.02	92	
1	106	19.43								2.0	0.09	0.1	0.00	0.09	0.06	107	
1	121	19.23								2.0	0.09	0.1	0.00	0.12	0.11	122	
1	136	18.90								2.0	0.09	0.3	0.00	0.19	0.18	137	
1	151	18.42								3.0	0.13	0.5	0.15	0.14	0.18	152	
1	201	16.84								4.0	0.20	1.5	0.03	0.03	0.04	203	
1	250	15.04								7.0	0.41	4.4	0.05			252	
1	299	13.17								11.0	0.64	8.1	0.19			301	

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG 1								STATION				45	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 11.0 N	154 41.0 W	22/06/73	2045 GMT														
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	131	18.66								2.0	0.13	0.8	0.10	0.15	0.17	132	
1	147	18.29								2.0	0.14	1.1	0.06	0.08	0.12	148	
1	173	17.41								3.0	0.24	1.6	0.04	0.04	0.04	174	
1	200	16.42								4.0	0.27	2.5	0.02	0.02	0.02	202	
1	254	14.35								7.0	0.46	5.7	0.01	0.00	0.01	256	
1	311	12.79								11.0	0.65	8.7	0.03	0.00	0.01	313	

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION				46
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE					
28 5.5 N	154 37.0 W	23/06/73	0229 GMT															
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS		
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	0	24.19								2.0	0.10	0.1	0.01	0.04	0.01	0		
1	15	23.13								2.0	0.10	0.2	0.01	0.05	0.01	15		
1	30	22.90								2.0	0.08	0.2	0.01	0.04	0.01	30		
1	45	21.39								2.0	0.07	0.2	0.01	0.06	0.01	45		
1	61	20.46								2.0	0.10	0.2	0.01	0.06	0.01	61		
1	75	20.09								2.0	0.10	0.2	0.00	0.07	0.02	76		
1	90	19.83								2.0	0.10	0.2	0.00	0.08	0.03	91		
1	105	19.36								3.0	0.09	0.1	0.00	0.12	0.07	106		
1	121	19.12								3.0	0.10	0.1	0.00	0.16	0.15	122		
1	136	18.73								3.0	0.13	0.3	0.17	0.19	0.18	137		
1	151	18.60								3.0	0.12	0.4	0.16	0.15	0.17	152		
1	201	17.23								4.0	0.16	1.3	0.03	0.04	0.04	203		
1	251	15.09								7.0	0.41	4.4	0.03			253		
1	298	13.24								11.0	0.58	7.8	0.05			300		

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

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LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 14.0 N	154 33.5 W	23/06/73	0853 GMT													
CAST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	1	24.01								2.0	0.08	0.2	0.00	0.04	0.01	1
1	16	23.40								2.0	0.08	0.1	0.01	0.04	0.01	16
1	31	23.33								2.0	0.08	0.1	0.00	0.05	0.01	31
1	46	22.35								2.0	0.06	0.2	0.01	0.05	0.01	46
1	61	20.99								2.0	0.06	0.2	0.01	0.06	0.01	61
1	76	20.20								2.0	0.08	0.1	0.00	0.08	0.02	77
1	91	19.64								3.0	0.08	0.1	0.01	0.10	0.03	92
1	105	19.30								3.0	0.11	0.1	0.00	0.12	0.08	106
1	120	18.81								3.0	0.13	0.1	0.07	0.23	0.19	121
1	135	18.11								4.0	0.19	0.7	0.06	0.15	0.17	136
1	149	17.62								4.0	0.24	1.5	0.07	0.09	0.12	150
1	197	16.12								6.0	0.27	2.1	0.04	0.01	0.02	198
1	245	14.08								8.0	0.52	5.3	0.06			247
1	291	12.57								12.0	0.74	8.6	0.06			293

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

48

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 9.5 N	154 42.5 W	23/06/73	1308 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C	DEG C		TRETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.38	23.38	35.466	24.178	373.0	0.000	5.22	107.7							0
1	25	22.95	22.94	35.434	24.280	364.4	0.092	5.15	105.4							25
1	49	21.73	21.72	35.412	24.611	333.9	0.176	5.34	106.9							49
1	73	20.53	20.52	35.306	24.859	311.1	0.253	5.36	104.9							73
1	97	19.77	19.75	35.285	25.046	294.2	0.326	5.36	103.5							97
1	122	19.01	18.99	35.176	25.160	284.2	0.398	5.36	101.9							122
1	146	18.67	18.64	35.153	25.230	278.4	0.466	5.10	96.3							147
1	195	17.29	17.26	34.933	25.402	263.4	0.599	5.06	93.0							196
1	244	15.41	15.37	34.647	25.618	243.9	0.723	5.00	88.4							245
1	292	13.54	13.50	34.451	25.867	220.8	0.834	4.86	82.6							293
1	340	12.29	12.24	34.368	26.052	203.9	0.936	4.90	81.1							342
1	389	11.01	10.96	34.255	26.203	189.9	1.033	5.00	80.4							391
1	485	9.02	8.97	34.128	26.441	167.6	1.204	4.77	73.4							488
1	680	5.06	5.00	34.055	26.926	119.7	1.485	1.84	25.8							684
1	873	4.19	4.12	34.286	27.205	93.9	1.691	0.45	6.2							879
1	1068	3.61	3.53	34.433	27.382	77.8	1.858	0.71	9.6							1076
1	1265	3.24	3.15	34.509	27.479	69.3	2.003	1.09	14.6							1276
1	1464	2.85	2.75	34.551	27.550	62.9	2.135	1.40	18.6							1477

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

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LATITUDE		LONGITUDE		DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE
28 9.5 N		155 0.0 W		24/06/73	1447 GMT											
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.58								2.0	0.14	0.2	0.01	0.04	0.01	0
1	14	23.58								2.0	0.12	0.2	0.01	0.04	0.01	14
1	28	23.16								2.0	0.11	0.1	0.00	0.04	0.02	28
1	43	21.31								2.0	0.12	0.1	0.00	0.06	0.03	43
1	58	20.36								2.0	0.11	0.1	0.00	0.06	0.03	58
1	75	19.75								2.0	0.11	0.1	0.00	0.06	0.04	76
1	90	19.25								2.0	0.11	0.1	0.00	0.09	0.04	91
1	105	19.07								2.0	0.12	0.1	0.01	0.12	0.10	106
1	121	18.77								2.0	0.12	0.2	0.04	0.15	0.16	122
1	136	18.57								2.0	0.12	0.2	0.02	0.12	0.17	137
1	151	18.53								2.0	0.12	0.2	0.02	0.08	0.14	152
1	199									2.0	0.17	1.5	0.04	0.03	0.06	201
1	249	15.63								5.0	0.26	2.7	0.04			251
1	296	13.51								10.0	0.54	7.6	0.17			298

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

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LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE		
28 10.0 N	154 58.5 W	24/06/73	2110 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		TRETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	135	18.27								2.0	0.14	0.8	0.06	0.09	0.11	136
1	150	18.13								2.0	0.12	0.2	0.15	0.06	0.09	151
1	177	17.38								3.0	0.18	1.4	0.00	0.04	0.05	178
1	202	16.62								4.0	0.20	1.4	0.00	0.02	0.03	204
1	256	15.03								6.0	0.34	3.9	0.00	0.00	0.01	258
1	312	13.00								10.0	0.59	8.8	0.00	0.00	0.01	314

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I										STATION		54	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE			
28 5.5 N	155 0.5 W	25/06/73	0211 GMT														
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS		
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db		
1	0	23.74							1.0	0.10	0.1	0.01	0.04	0.01	0		
1	14	23.54							1.0	0.09	0.1	0.00	0.04	0.01	14		
1	29	22.69							1.0	0.11	0.1	0.01	0.05	0.01	29		
1	43	21.63							1.0	0.10	0.1	0.00	0.06	0.01	43		
1	58	20.88							2.0	0.09	0.1	0.00	0.06	0.01	58		
1	73	20.30							2.0	0.10	0.1	0.01	0.06	0.02	74		
1	88	19.90							2.0	0.11	0.2	0.01	0.07	0.03	89		
1	104	19.57							2.0	0.12	0.2	0.02	0.10	0.06	105		
1	118	19.21							2.0	0.12	0.2	0.00	0.13	0.14	119		
1	133	18.86							2.0	0.12	0.3	0.07	0.17	0.18	134		
1	148								2.0	0.15	0.5	0.17	0.15	0.18	149		
1	196								3.0	0.17	1.4	0.05	0.04	0.06	197		
1	245	16.07							5.0	0.28	2.8	0.02			247		
1	293	14.55							7.0	0.43	5.0	0.01			295		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I								STATION				55
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 15.5 N	154 58.5 W	25/06/73	0815 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	M	DEG C	DEG C		THETA			ml/l	PCT	uM/l	ug/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.74								2.0	0.11	0.2	0.01	0.03	0.00	0
1	14	23.73								2.0	0.11	0.2	0.01	0.03	0.01	14
1	30	22.62								2.0	0.09	0.1	0.00	0.04	0.01	30
1	44	21.19								2.0	0.09	0.1	0.00	0.05	0.01	44
1	59	20.37								2.0	0.11	0.1	0.00	0.04	0.01	59
1	74	19.92								3.0	0.09	0.1	0.00	0.04	0.02	75
1	89	19.60								3.0	0.10	0.1	0.00	0.06	0.03	90
1	103	19.37								3.0	0.12	0.1	0.01	0.06	0.05	104
1	118	19.14								3.0	0.12	0.2	0.04	0.08	0.12	119
1	132	18.79								3.0	0.13	0.2	0.02	0.12	0.16	133
1	145									3.0	0.15	0.2	0.02	0.08	0.11	146
1	194									4.0	0.22	1.5	0.04	0.02	0.02	195
1	241	15.86								6.0	0.26	2.7	0.04			243
1	287	13.78								10.0	0.54	7.6	0.17			289

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I								STATION				56
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE		
28 10.5 N	154 59.0 W	25/06/73	1056 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	23.75	23.75	35.485	24.084	382.0	0.004	5.10	105.9							1
1	26	23.21	23.20	35.459	24.224	369.8	0.098	5.15	105.9							26
1	51	20.70	20.69	35.297	24.805	315.4	0.183	5.50	108.0							51
1	75	20.27	20.26	35.279	24.908	306.5	0.258	5.36	104.4							75
1	100	19.59	19.57	35.274	25.084	290.7	0.333	5.28	101.6							100
1	125	19.10	19.08	35.222	25.172	283.2	0.404	5.17	98.5							126
1	149	18.60	18.57	35.145	25.241	277.4	0.472	5.14	97.0							150
1	199	17.06	17.03	34.914	25.443	259.7	0.606	5.18	94.7							200
1	247	15.66	15.62	34.683	25.590	246.7	0.728	4.94	87.8							248
1	298	13.46	13.42	34.447	25.881	219.6	0.846	4.94	83.8							299
1	347	11.92	11.87	34.326	26.090	200.2	0.949	4.96	81.4							349
1	397	10.93	10.88	34.251	26.214	188.9	1.047	4.92	79.0							399
1	496	8.71	8.66	34.105	26.472	164.6	1.222	4.61	70.4							499
1	694	5.14	5.08	34.044	26.908	121.7	1.505	1.69	23.7							698
1	892	4.17	4.10	34.288	27.209	93.7	1.718	0.39	5.4							898
1	1091	3.59	3.51	34.446	27.395	76.8	1.888	0.68	9.2							1100
1	1290	3.15	3.06				2.033	1.05	14.1							1301
1	1489	2.77	2.66	34.560	27.564	61.4	2.162	1.38	18.3							1501

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG I								STATION				64	
LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE	
28 29.5 N		154 59.0 W	26/06/73	1428 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	ug/l	uM/l	uM/l	ug/l	ug/l	db	
1	0	23.67								1.0	0.13	0.1	0.03	0.04	0.01	0	
1	14	23.67												0.04	0.01	14	
1	29	22.42								2.0	0.09	0.1	0.00	0.05	0.01	29	
1	44	21.41								2.0	0.09	0.1	0.00	0.05	0.01	44	
1	59	20.68								2.0	0.12	0.1	0.05	0.05	0.01	59	
1	74	20.12								2.0	0.12	0.1	0.00	0.06	0.01	75	
1	89	19.80								2.0	0.12	0.1	0.00	0.05	0.02	90	
1	104	19.41								2.0	0.14	0.1	0.02	0.07	0.07	105	
1	121	19.03								3.0	0.16	0.0	0.27	0.18	0.13	122	
1	137	18.78								3.0	0.16	0.0	0.35	0.13	0.15	138	
1	150	18.48								3.0	0.21	0.5	0.14	0.09	0.11	151	
1	200	17.20								4.0	0.21	1.2	0.00	0.04	0.05	202	
1	250	15.55								6.0	0.32	3.4	0.00			252	
1	300	13.45								11.0	0.61	7.4	0.10			302	

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

65

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 17.0 N	155 1.0 W	26/06/73	2054 GMT													
CASST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	131	18.44								2.0	0.09	0.2	0.00	0.12	0.11	132
1	146	18.12								2.0	0.10	0.0	0.36	0.08	0.11	147
1	171	17.50								3.0	0.10	0.7	0.06	0.04	0.06	172
1	196	17.21								3.0	0.12	1.4	0.00	0.02	0.03	197
1	249	15.94								5.0	0.20	1.8	0.00	0.00	0.01	251
1	303	13.31								10.0	0.54	7.6	0.02	0.01	0.00	305

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

66

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 20.5 N	155 2.0 W	27/06/73	0229 GMT													
CAST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	0	23.78								1.0	0.10	0.1	0.01	0.04	0.01	0
1	15	23.74								1.0	0.10	0.1	0.03	0.04	0.01	15
1	31	22.41								1.0	0.08	0.1	0.02	0.05	0.03	31
1	46	21.10								2.0	0.10	0.1	0.03	0.06	0.01	46
1	62	20.50								2.0	0.08	0.1	0.00	0.06	0.02	62
1	77	20.04								1.0	0.09	0.1	0.00	0.07	0.03	78
1	92	19.60								2.0	0.10	0.1	0.00	0.08	0.05	93
1	107	19.01								2.0	0.10	0.2	0.13	0.17	0.18	108
1	122	18.59								2.0	0.10	0.1	0.00	0.10	0.13	123
1	137	18.43								2.0	0.10	0.2	0.03	0.10	0.12	138
1	151	18.17								2.0	0.12	0.1	0.31	0.06	0.10	152
1	201	17.04								3.0	0.18	1.2	0.04	0.02	0.04	203
1	252	15.82									0.23	1.9	0.03			254
1	306	13.88									0.50	6.5	0.05			308

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

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LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 16.5 N	155 0.0 W	27/06/73	0851 GMT												
CASST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.63							2.0	0.13	0.1	0.00	0.05	0.01	0
1	15	23.62							1.0	0.13	0.1	0.01	0.04	0.01	15
1	29	22.60							2.0	0.10	0.1	0.00	0.06	0.01	29
1	44	21.48							2.0	0.10	0.2	0.00	0.06	0.01	44
1	58	20.65							2.0	0.10	0.2	0.00	0.06	0.02	58
1	73	20.16							2.0	0.10	0.1	0.01	0.06	0.02	74
1	87	19.65							2.0	0.10	0.1	0.01	0.09	0.03	88
1	103	18.97							2.0	0.10	0.1	0.01	0.13	0.09	104
1	117	18.72							2.0	0.09	0.1	0.01	0.14	0.10	118
1	132	18.52							2.0	0.09	0.1	0.00	0.12	0.13	133
1	146	18.31							2.0	0.09	0.2	0.17	0.10	0.11	147
1	195	17.34							3.0	0.13	1.1	0.01	0.03	0.06	196
1	244								4.0	0.20	1.6	0.01			246
1	293	14.18							9.0	0.45	5.9	0.05			295

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

68

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 20.5 N	154 59.5 W	27/06/73	1200 GMT													
CASST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C			THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.72	23.72	35.496	24.101	380.4	0.000	5.08	105.4							0
1	25	23.70	23.69	35.493	24.107	381.0	0.095	5.12	106.2							25
1	50	20.70	20.69	35.304	24.811	314.8	0.182	5.50	108.0							50
1	74	19.74	19.73	35.254	25.029	295.0	0.255	5.28	101.9							74
1	99	19.38	19.36	35.248	25.119	287.3	0.328	5.22	100.0							99
1	124	18.89	18.87	35.185	25.197	280.7	0.399	5.07	96.2							125
1	148	18.50	18.47	35.157	25.276	274.1	0.466	5.41	101.9							149
1	198	17.38	17.35	34.977	25.415	262.4	0.600	5.24	96.5							199
1	247	16.07	16.03	34.763	25.559	249.9	0.725	5.26	94.3							248
1	297	13.68	13.64	34.465	25.850	222.7	0.843	4.91	83.7							298
1	346	12.13	12.08	34.340	26.061	203.0	0.948	4.98	82.1							348
1	396	10.99	10.94	34.255	26.206	189.7	1.046	4.90	78.8							398
1	495	9.18	9.12	34.142	26.427	169.4	1.224	4.83	74.6							498
1	691	5.18	5.12	34.046	26.905	122.0	1.509	1.75	24.6							695
1	887	4.10	4.03	34.270	27.202	94.2	1.721	0.44	6.0							893
1	1085	3.57	3.49	34.427	27.382	77.9	1.891	0.56	7.6							1093
1	1283	3.14	3.05	34.510	27.490	68.1	2.036	1.02	13.7							1294
1	1480	2.79	2.68	34.554	27.557	62.0	2.164	1.25	16.6							1493

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

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LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 17.5 N		154 54.0 W	28/06/73	1032 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.74	23.74	35.495	24.095	381.0	0.000	5.02	104.2	1.0	0.15	0.1	0.00			0
1	9	23.72	23.72	35.494	24.100	380.9	0.034	4.95	102.7	1.0	0.14	0.2	0.00			9
1	24	23.41	23.40	35.478	24.180	373.9	0.091	5.08	104.8	1.0	0.16	0.2	0.01			24
1	49	21.23	21.22	35.374	24.720	323.5	0.178	5.34	105.9	2.0	0.14	0.3	0.01			49
1	74	20.08	20.07	35.250	24.936	303.8	0.256	5.21	101.1	2.0	0.16	0.2	0.00			74
1	99	19.45	19.43	35.255	25.106	288.5	0.331	5.21	100.0	2.0	0.14	0.2	0.00			99
1	149	18.25	18.22	35.095	25.290	272.7	0.471	5.05	94.6	2.0	0.20	0.8	0.08			150
1	198	17.00	16.97	34.901	25.447	259.2	0.601	5.16	94.3	4.0	0.27	1.3	0.12			199
1	298	13.29	13.25	34.403	25.881	219.5	0.840	4.83	81.6	9.0	0.61	8.0	0.03			299
1	497	8.85	8.80	34.119	26.461	165.8	1.224	4.71	72.2	29.0	1.17	18.1	0.01			500
1	745	4.65	4.59	34.093	27.002	112.6	1.569	1.27	17.6	91.0	2.62	38.9	0.03			750
1	993	3.74	3.67	34.381	27.328	82.6	1.811	0.43	5.8	130.0	3.07	45.3	0.01			1000
1	1487	2.72	2.62	34.558	27.567	60.9	2.166	1.41	18.7	153.0	2.95	45.8	0.03			1500
1	1978	2.08	1.94	34.618	27.670	51.3	2.441	1.94	25.3	166.0	2.87	41.0	0.66U			1998
1	2472	1.74	1.56	34.648	27.723	46.8	2.684	2.39	30.9	172.0	2.76	40.4	0.00			2501
1	2964	1.59	1.37	34.670	27.755	44.8	2.909	2.85	36.6	172.0	2.67	40.2	0.01			3002
1	3459	1.51	1.24	34.680	27.772	44.4	3.129	3.12	40.0	170.0	2.57	40.7	0.03			3508
1	3955	1.49	1.17	34.686	27.782	45.0	3.351	3.39	43.4	132.0	2.03	28.9U	0.00			4016
1	4454	1.49	1.11	34.694	27.792	45.7	3.577	3.56	45.5	160.0	2.57	36.9	0.00			4528
1	4957	1.52	1.08	34.710	27.807	46.4	3.809	3.66	46.7	156.0	2.54	36.7	0.00			5045

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

72

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 17.5 N		154 37.5 W	28/06/73	1630 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.70	23.70	35.500	24.110	379.5				2.0	0.22	0.2	0.00	0.04	0.01	0
1	15	23.69	23.69	35.500	24.114	379.8				1.0	0.19	0.2	0.00	0.04	0.01	15
1	30	22.42	22.41							1.0	0.16	0.2	0.01	0.07	0.03	30
1	45	21.36	21.35							1.0	0.17	0.3	0.01	0.06	0.02	45
1	60	20.89	20.88							1.0	0.19	0.5	0.03	0.09	0.01	60
1	75	20.12	20.11							1.0	0.17	0.3	0.02	0.08	0.03	75
1	90	19.73	19.71							2.0	0.19	0.2	0.02	0.09	0.05	90
1	104	19.29	19.27							2.0	0.25	0.2	0.01	0.11	0.12	104
1	119	18.97	18.95							2.0	0.22	0.3	0.01	0.13	0.18	119
1	135	18.72	18.70							2.0	0.22	0.6	0.21	0.14	0.17	136
1	150	18.27	18.24							2.0	0.27	0.7	0.24	0.08	0.14	151
1	200	16.71	16.68	34.841	25.469	257.1				4.0	0.28	2.0	0.01	0.02	0.03	201
1	252	14.85	14.81	34.569	25.681	237.9				6.0	0.44	4.8	0.00			253
1	302	12.50	12.46	34.332	25.983	209.5				11.0	0.73	9.3	0.01			303

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

73

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 21.0 N	154 40.0 W	28/06/73	2053 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	141	18.64								2.0	0.17	0.7	0.08	0.10	0.16	142
1	156	18.26								3.0	0.17	1.1	0.06	0.07	0.09	157
1	180	17.72								3.0	0.17	1.2	0.04	0.04	0.04	181
1	205	16.64								4.0	0.23	2.0	0.03	0.02	0.03	207
1	257	14.50								7.0	0.42	5.5	0.00	0.00	0.01	259
1	313	12.61								11.0	0.62	8.9	0.00	0.00	0.01	315

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION

74

LATITUDE		LONGITUDE		DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE
28 15.5 N		154 33.0 W		29/06/73	0222 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	0	23.78								1.0	0.17	0.2	0.01	0.06	0.01	0	
1	15	23.76								1.0	0.16	0.2	0.00	0.05	0.01	15	
1	31	22.86								1.0	0.16	0.1	0.01	0.07	0.02	31	
1	46	21.38								1.0	0.15	0.1	0.02	0.07	0.01	46	
1	61	20.80								2.0	0.15	0.2	0.00	0.08	0.01	61	
1	76	19.93								2.0	0.16	0.2	0.00	0.09	0.03	77	
1	90	19.60								2.0	0.16	0.2	0.00	0.10	0.05	91	
1	105	19.21								2.0	0.16	0.2	0.00	0.11	0.14	106	
1	120	18.91								2.0	0.16	0.2	0.08	0.16	0.18	121	
1	134	18.68								2.0	0.17	0.4	0.20	0.12	0.15	135	
1	150	18.17								3.0	0.19	0.8	0.25	0.07	0.11	151	
1	200	16.49								5.0	0.27	2.3	0.02	0.01	0.02	202	
1	251	14.05								8.0	0.51	6.6	0.02			253	
1	305	12.42								11.0	0.67	9.1	0.03			307	

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION 75

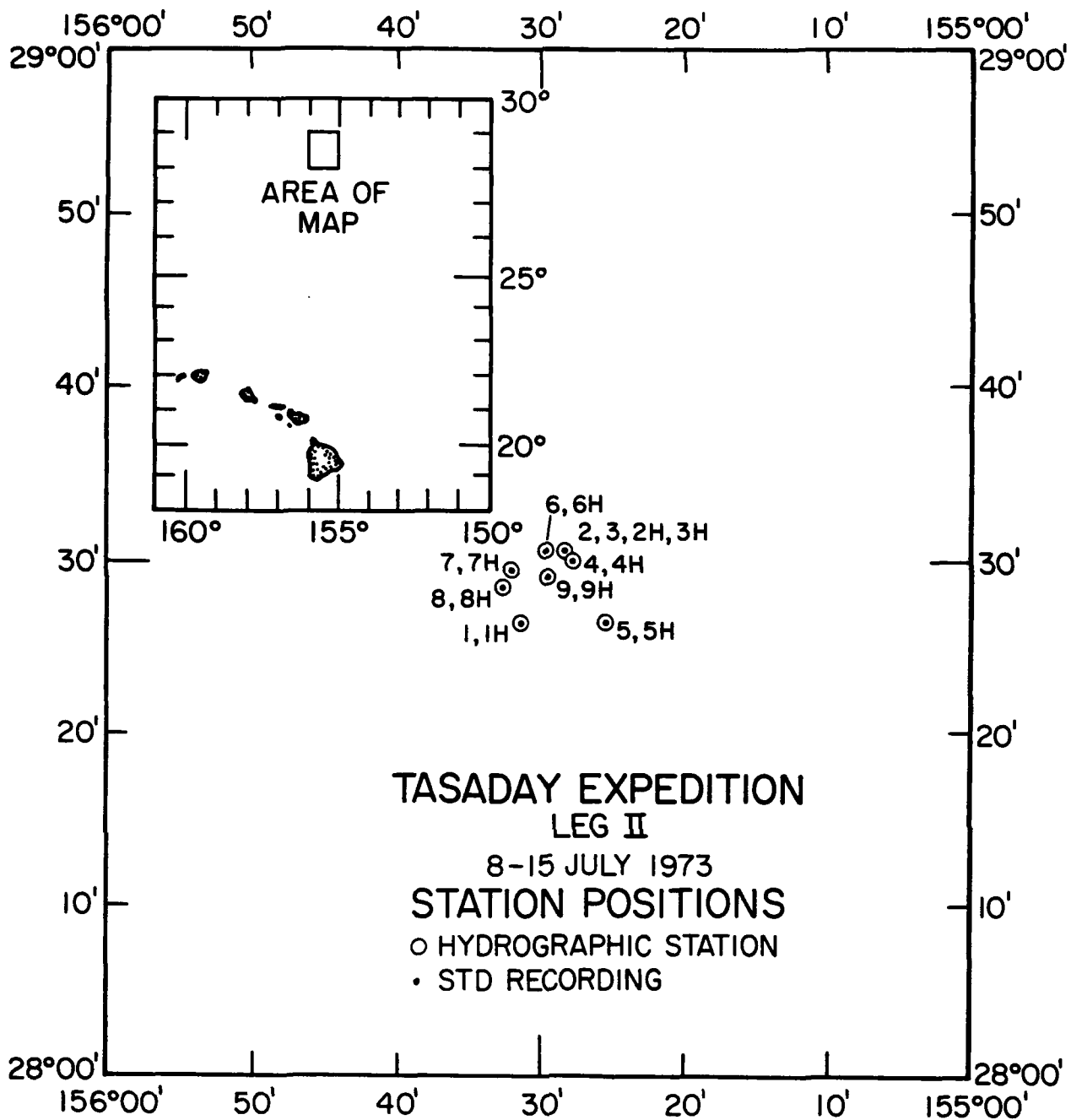
LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 22.0 N		154 39.5 W	29/06/73	0847 GMT												
CAST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	0	23.76								1.0	0.14	0.1	0.00	0.05	0.01	0
1	15	23.76								1.0	0.14	0.1	0.00	0.04	0.01	15
1	30	23.47								2.0	0.14	0.1	0.01	0.05	0.02	30
1	45	21.68								2.0	0.13	0.2	0.00	0.06	0.01	45
1	60	21.44								2.0	0.12	0.2	0.00	0.07	0.02	60
1	75	20.95								2.0	0.14	0.2	0.00	0.08	0.02	75
1	90	20.23								2.0	0.13	0.2	0.00	0.08	0.02	90
1	105	19.61								2.0	0.14	0.2	0.00	0.09	0.06	105
1	120	19.23								2.0	0.15	0.1	0.01	0.11	0.16	120
1	135	18.69								3.0	0.17	0.2	0.18	0.13	0.15	135
1	150	18.39								3.0	0.20	1.0	0.09	0.08	0.10	150
1	199	16.92								4.0	0.27	2.1	0.04	0.02	0.02	199
1	251	14.53								7.0	0.50	5.7	0.01			253
1	301	12.54								11.0	0.71	8.9	0.03			303

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG I

STATION 76

LATITUDE		LONGITUDE		DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	NET	SECCHI/FOREL	CLD AMT	TYPE
28 18.0 N		154 37.0 W		29/06/73	1142 GMT											
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m		DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	23.72	23.72	35.479	24.089	381.6	0.000	5.12	106.3							0
1	25	23.53	23.52	35.475	24.143	377.5	0.095	5.26	108.8							25
1	49	21.45	21.44	35.397	24.677	327.6	0.180	5.67	113.0							49
1	74	20.29	20.28	35.284	24.906	306.7	0.259	5.35	104.3							74
1	99	19.51	19.49				0.334									99
1	123	18.84	18.82	35.178	25.205	280.0	0.402	5.33	101.0							123
1	148	18.26	18.23	35.097	25.289	272.7	0.471	5.22	97.8							149
1	197			34.841			0.600	5.24	94.8							198
1	247	14.46	14.42	34.523	25.729	233.0	0.722	4.90	84.9							248
1	297	12.45	12.41	34.333	25.993	208.4	0.832	5.04	83.7							298
1	346	11.32	11.28	34.279	26.164	192.7	0.930	5.06	82.0							348
1	396	10.35	10.30	34.218	26.290	181.3	1.024	4.84	76.7							398
1	493	8.24	8.19	34.069	26.515	160.0	1.189	4.20	63.5							496
1	691	4.78	4.73	34.059	26.960	116.1	1.463	1.57	21.9							695
1	887	4.00	3.93	34.289	27.227	91.6	1.666	0.40	5.5							893
1	1084	3.53	3.45	34.431	27.389	77.1	1.833	0.60	8.1							1092
1	1281	3.11	3.02	34.503	27.487	68.3	1.976	0.96	12.9							1292
1	1478	2.73	2.63	34.547	27.557	61.8	2.104	1.24	16.4							1491



TASADAY EXPEDITION LEG II

STATION POSITIONS

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude N	Longitude W	
1	July 8	1737	28° 26.5	155° 31.5	S
1	July 8	1758	28° 26.5	155° 31.5	H C
2	July 9	1904	28° 30.5	155° 28.0	S
2	July 9	1920	28° 30.5	155° 28.0	H C
3	July 10	1828	28° 30.5	155° 28.0	S
3	July 10	1900	28° 30.5	155° 28.0	H C
4	July 11	1743	28° 30.0	155° 27.5	S
4	July 11	1806	28° 30.0	155° 27.5	H C
5	July 13	0138	28° 26.5	155° 25.5	S
5	July 13	0208	28° 26.5	155° 25.5	H C
6	July 13	1756	28° 30.5	155° 29.5	S
6	July 13	1820	28° 30.5	155° 29.5	H C
7	July 14	0047	28° 29.5	155° 32.0	S
7	July 14	0118	28° 29.5	155° 32.0	H C
8	July 14	2031	28° 28.5	155° 32.5	S
8	July 14	2056	28° 28.5	155° 32.5	H C
9	July 15	2305	28° 29.0	155° 29.5	S
9	July 15	2340	28° 29.0	155° 29.5	H C

*S Salinity/Temperature/Depth Recorder
H Hydrographic
C Chlorophyll

PERSONNEL

TASADAY EXPEDITION, LEG II

SHIP'S CAPTAIN

Newbegin, Robert C.

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

Jumars, Peter	Chief Scientist, SIO
Azam, Farooq	Research Associate, SIO
Bernstein, Brock	Graduate Student, SIO
Burnett, Brian	Graduate Student, SIO
Ekdale, Tony	Graduate Student, Texas A&M
Gunnill, R.	Graduate Student, SIO
Keith, Warren E.	Resident Technician, SIO
McMillan, K.	Graduate Student, Texas A&M
Moe, Ronald L.	Computer Technician, SIO
Perry, M.J.	Graduate Student, SIO
Shulenberger, Eric	Graduate Student, SIO
Siebenaller, Joseph	SIO
Smith, James F.	Graduate Student, SIO
Thistle, David	Graduate Student, SIO
Van Blaricon, G.	Graduate Student, SIO
Venrick, Elizabeth L.	Assistant Research Biologist, SIO
Wells, James A.	Marine Technician, SIO
Wimmerow, Sharon L.	Laboratory Assistant, SIO

STD 1										RV THOMAS WASHINGTON										TASADAY EXPEDITION LEG II										STD 2									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM											
28 26.5 N		155 31.5 W		08/07/73		1737 GMT		M		28 30.5 N		155 28.0 W		09/07/73		1904 GMT		M		28 30.5 N		155 28.0 W		09/07/73		1904 GMT		M											
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS													DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS												
M	DEG C	DEG C		THETA			D.BAR													M	DEG C	DEG C		THETA			D.BAR												
0	23.82	23.82	35.42	24.014	388.7	0.000	0													0	23.95	23.95	35.40	23.961	393.8	0.000	0												
10	23.82	23.82	35.42	24.015	389.1	0.039	10													10	23.95	23.95	35.40	23.961	394.2	0.039	10												
20	23.82	23.82	35.42	24.016	389.4	0.078	20													20	23.94	23.94	35.40	23.965	394.3	0.079	20												
30	23.82	23.81	35.42	24.016	389.8	0.117	30													30	23.94	23.93	35.40	23.966	394.7	0.118	30												
50	22.72	22.71	35.32	24.261	367.3	0.192	50													50	21.70	21.69	35.26	24.503	344.2	0.192	50												
75	20.82	20.81	35.25	24.738	322.7	0.279	76													75	20.31	20.30	35.17	24.814	315.4	0.275	76												
100	19.56	19.54	35.12	24.975	301.1	0.357	101													100	19.69	19.67	35.19	24.994	299.2	0.351	101												
125	18.95	18.93	35.07	25.094	290.6	0.431	126													125	18.90	18.88	35.13	25.153	285.0	0.424	126												
150	18.28	18.25	35.01	25.218	279.6	0.502	151													150	17.99	17.96	34.97	25.255	275.6	0.495	151												
200	16.89	16.86	34.77	25.373	266.3	0.638	201													200	16.48	16.45	34.71	25.422	261.4	0.629	201												
250	15.19	15.15	34.52	25.569	248.6	0.767	252													250	13.84	13.80	34.38	25.749	230.9	0.752	252												
300	13.00	12.96	34.29	25.852	222.2	0.885	302													300	12.46	12.42	34.25	25.927	214.7	0.863	302												

STD 3										RV THOMAS WASHINGTON										TASADAY EXPEDITION LEG II										STD 4									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM											
28 30.5 N		155 28.0 W		10/07/73		1828 GMT		M		28 30.0 N		155 27.5 W		11/07/73		1743 GMT		M		28 30.0 N		155 27.5 W		11/07/73		1743 GMT		M											
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS													DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS												
M	DEG C	DEG C		THETA			D.BAR													M	DEG C	DEG C		THETA			D.BAR												
0	23.99	23.99	35.38	23.934	396.4	0.000	0													0	24.12	24.12	35.31	23.842	405.1	0.000	0												
10	23.98	23.98	35.38	23.937	396.5	0.040	10													10	24.12	24.12	35.32	23.850	404.8	0.040	10												
20	23.98	23.98	35.38	23.938	396.8	0.079	20													20	24.12	24.12	35.32	23.851	405.1	0.081	20												
30	23.99	23.98	35.38	23.936	397.5	0.119	30													30	24.12	24.11	35.32	23.852	405.5	0.122	30												
50	21.85	21.84	35.26	24.462	348.1	0.194	50													50	21.12	21.11	35.08	24.526	341.9	0.196	50												
75	19.98	19.97	35.16	24.894	307.8	0.276	76													75	19.65	19.64	35.10	24.935	303.9	0.277	76												
100	19.42	19.40	35.17	25.049	294.0	0.351	101													100	18.92	18.90	35.06	25.093	289.7	0.351	101												
125	18.88	18.86	35.12	25.150	285.2	0.423	126													125	18.40	18.38	35.02	25.195	280.9	0.423	126												
150	17.98	17.95	34.97	25.261	275.4	0.493	151													150	17.45	17.42	34.87	25.314	270.3	0.491	151												
200	15.94	15.91	34.64	25.492	254.6	0.626	201													200	16.08	16.05	34.67	25.484	255.4	0.623	201												
250	14.05	14.01	34.42	25.737	232.2	0.747	252													250	13.91	13.87	34.38	25.735	232.3	0.745	252												
300	12.52	12.48	34.28	25.938	213.7	0.859	302													300	12.42	12.38	34.26	25.942	213.3	0.856	302												

STD 7

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STD 8

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
28 29.5 N		155 32.0 W		14/07/73		0047 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY		SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C			THETA			D.BAR	
0	24.38	24.38	35.32		23.772	411.8	0.000	0	
10	24.34	24.34	35.32		23.785	411.0	0.041	10	
20	24.31	24.31	35.32		23.794	410.6	0.082	20	
30	24.10	24.09	35.29		23.835	407.1	0.123	30	
50	21.78	21.77	35.25		24.474	347.0	0.199	50	
75	19.80	19.79	35.14		24.926	304.8	0.280	76	
100	18.59	18.57	35.00		25.130	286.1	0.354	101	
125	17.59	17.57	34.89		25.294	271.3	0.424	126	
150	16.85	16.83	34.78		25.388	263.1	0.490	151	
200	15.46	15.43	34.59		25.562	247.8	0.618	201	
250	13.93	13.89	34.42		25.762	229.7	0.737	252	
300	12.54	12.50	34.28		25.934	214.1	0.848	302	

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME		BOTTOM
28 28.5 N	155 32.5 W	14/07/73	2031 GMT		M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	
M	DEG C	DEG C		THETA	SVA DYN HT PRESS D.BAR
0	24.36	24.36	35.33	23.786	410.5 0.000 0
10	24.29	24.29	35.33	23.807	408.9 0.041 10
20	24.26	24.26	35.33	23.817	408.4 0.082 20
30	24.04	24.03	35.34	23.891	401.8 0.122 30
50	21.11	21.10	35.17	24.597	335.2 0.196 50
75	19.82	19.81	35.10	24.890	308.2 0.276 76
100	19.00	18.98	35.04	25.057	293.1 0.352 101
125	18.09	18.07	34.95	25.218	278.6 0.423 126
150	17.01	16.99	34.81	25.373	264.5 0.491 151
200	15.67	15.64	34.61	25.530	250.9 0.620 201
250	13.96	13.92	34.42	25.755	230.4 0.740 252
300	12.63	12.59	34.29	25.925	215.0 0.851 302

STD 9

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME		BOTTOM
28 29.0 N	155 29.5 W	15/07/73	2305 GMT		M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	
M	DEG C	DEG C		THETA	SVA DYN HT PRESS D.BAR
0	24.16	24.16	35.34	23.853	404.1 0.000 0
10	24.06	24.06	35.33	23.876	402.3 0.040 10
20	23.94	23.94	35.32	23.904	400.1 0.080 20
30	23.69	23.68	35.31	23.971	394.1 0.120 30
50	21.25	21.24	35.13	24.529	341.7 0.194 50
75	19.40	19.39	35.08	24.984	299.2 0.274 76
100	18.37	18.35	34.97	25.163	283.0 0.347 101
125	17.74	17.72	34.92	25.281	272.6 0.416 126
150	17.15	17.12	34.85	25.370	264.8 0.483 151
200	15.86	15.83	34.62	25.495	254.3 0.613 201
250	13.92	13.88	34.40	25.748	231.0 0.734 252
300	12.72	12.68	34.32	25.930	214.6 0.846 302

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION 1

LATITUDE 28 26.5 N	LONGITUDE 155 31.5 W	DAY/MO/YR 08/07/73	MESSENGER 1758 GMT	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
CAST DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SWA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	0	23.80											0.04	0.01	0
1	15												0.05	0.01	15
1	30	23.79											0.05	0.01	30
1	45												0.06	0.01	45
1	60	21.70											0.07	0.02	60
1	75												0.08	0.02	76
1	91	20.16											0.09	0.05	92
1	106												0.11	0.10	107
1	116	19.30											0.11	0.17	117
1	121	19.18											0.16	0.17	122
1	126	19.09											0.13	0.17	127
1	131	18.94											0.13	0.18	132
1	136	18.84											0.11	0.15	137
1	141	18.71											0.09	0.14	142
1	151	18.48											0.06	0.12	152
1	180												0.04	0.06	181
1	199												0.03	0.04	201
1	297	12.97											0.00	0.01	299

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION 2

LATITUDE 28 30.5 N		LONGITUDE 155 28.0 W	DAY/MO/YR 09/07/73	MESSENGER 1920 GMT	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
CAST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	0	23.97												0.05	0.01	0
1	15													0.05	0.02	15
1	30	23.94												0.04	0.01	30
1	45													0.06	0.02	45
1	60	21.46												0.07	0.02	60
1	75													0.07	0.02	76
1	91	20.04												0.08	0.04	92
1	106													0.09	0.08	107
1	116	19.42												0.12	0.15	117
1	120	19.24												0.14	0.17	121
1	125	19.00												0.11	0.19	126
1	129	18.95												0.10	0.21	130
1	134	18.84												0.10	0.17	135
1	138	18.75												0.10	0.17	139
1	149	18.27												0.07	0.11	150
1	173													0.03	0.05	174
1	198													0.01	0.02	199
1	299	12.47												0.00	0.01	301

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION 3

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 30.5 N	155 28.0 W	10/07/73	1900 GMT													
CAST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	0	23.97												0.04	0.02	0
1	15													0.04	0.01	15
1	30	23.95												0.04	0.01	30
1	45													0.06	0.01	45
1	60	21.14												0.05	0.02	60
1	75													0.06	0.03	76
1	90	19.55												0.08	0.06	91
1	105													0.08	0.12	106
1	114	19.20												0.12	0.14	115
1	119	19.12												0.14	0.16	120
1	124	18.95												0.15	0.16	125
1	129	18.80												0.12	0.18	130
2	134	18.57												0.10	0.13	135
2	138	18.44												0.09	0.12	139
2	148	18.09												0.08	0.11	149
2	174													0.03	0.05	175
2	199													0.01	0.02	201
2	299	12.50												0.00	0.01	301

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION

4

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 30.0 N	155 27.5 W	11/07/73	1806 GMT													
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	24.12														0
1	15													0.04	0.01	15
1	29	24.11												0.04	0.01	29
1	45													0.05	0.01	45
1	60	20.71												0.06	0.02	60
1	75													0.07	0.02	76
1	91	19.32												0.08	0.05	92
1	105													0.21	0.22	106
1	115	18.68												0.15	0.18	116
1	120	18.59												0.18	0.20	121
1	125	18.52												0.13	0.18	126
1	129	18.33												0.10	0.14	130
1	134	18.13												0.10	0.13	135
1	139	17.89												0.07	0.12	140
1	149	17.56												0.06	0.07	150
1	174													0.03	0.04	175
1	199													0.01	0.02	201
1	299	12.42												0.00	0.01	301

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION

5

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
28 26.5 N		155 25.5 W	13/07/73	0208 GMT												
CASST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	M	DEG C	DEG C		THETA			ML/L	PCT	UM/L	UM/L	UM/L	UM/L	UG/L	UG/L	DB
1	0	24.41												0.03	0.01	0
1	15													0.03	0.01	15
1	30	24.18												0.04	0.01	30
1	45													0.05	0.01	45
1	60	21.09												0.04	0.01	60
1	75													0.05	0.01	76
1	90	19.18												0.10	0.12	91
1	105													0.20	0.17	106
1	115	18.69												0.23	0.17	116
1	119	18.36												0.14	0.13	120
1	124	18.14												0.12	0.12	125
1	129	17.95												0.11	0.10	130
1	133	17.80												0.09	0.09	134
1	139	17.67												0.09	0.09	140
1	149	17.31												0.05	0.06	150
1	174													0.03	0.03	175
1	198	15.88												0.01	0.02	199
1	299	12.49												0.00	0.01	301

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION

6

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
28 30.5 N		155 29.5 W	13/07/73	1820 GMT												
CASST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	24.27												0.04	0.01	0
1	15													0.04	0.01	15
1	29	24.08												0.06	0.02	29
1	45													0.05	0.01	45
1	60	20.56												0.05	0.02	60
1	75													0.07	0.03	76
1	90	19.20												0.10	0.06	91
1	105													0.20	0.16	106
1	110	18.65												0.19	0.17	111
1	115	18.53												0.18	0.20	116
1	120	18.26												0.18	0.15	121
1	125	18.12												0.22	0.07	126
1	130	17.90												0.12	0.12	131
1	135	17.65												0.10	0.11	136
1	140	17.54												0.09	0.10	141
1	150													0.08	0.10	151
1	174													0.05	0.06	175
1	199	15.92												0.02	0.04	201

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION

7

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
28 29.5 N		155 32.0 W	14/07/73	0118 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	M	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	24.28												0.03	0.01	0
1	15	24.33												0.03	0.01	15
1	30	24.11												0.03	0.01	30
1	45													0.03	0.02	45
1	61	21.02												0.04	0.01	61
1	76													0.06	0.01	77
1	91	18.89												0.09	0.05	92
1	106													0.14	0.13	107
1	112	18.09												0.09	0.09	113
1	117	17.85												0.09	0.08	118
1	122	17.68												0.08	0.09	123
1	127	17.49												0.08	0.09	128
1	132	17.33												0.10	0.09	133
1	137	17.26												0.08	0.08	138
1	142	17.08												0.07	0.06	143
1	152													0.05	0.04	153
1	177													0.02	0.02	178
1	203	15.29												0.01	0.01	205

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION

8

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 28.5 N	155 32.5 W	14/07/73	2056 GMT												
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	24.33											0.04	0.00	0
1	15	24.27											0.04	0.01	15
1	30	24.06											0.05	0.01	30
1	45												0.07	0.03	45
1	61	20.50											0.05	0.02	61
1	77												0.05	0.03	78
1	91	19.34											0.09	0.07	92
1	98												0.09	0.08	99
1	102	18.99											0.12	0.13	103
1	107	18.82											0.16	0.17	108
1	112	18.62											0.15	0.17	113
1	116	18.39											0.14	0.19	117
1	120	18.14											0.12	0.13	121
1	130	17.91											0.09	0.09	131
1	139	17.59											0.07	0.08	140
1	149												0.03	0.03	150
1	174												0.01	0.02	175
1	198	15.67													199

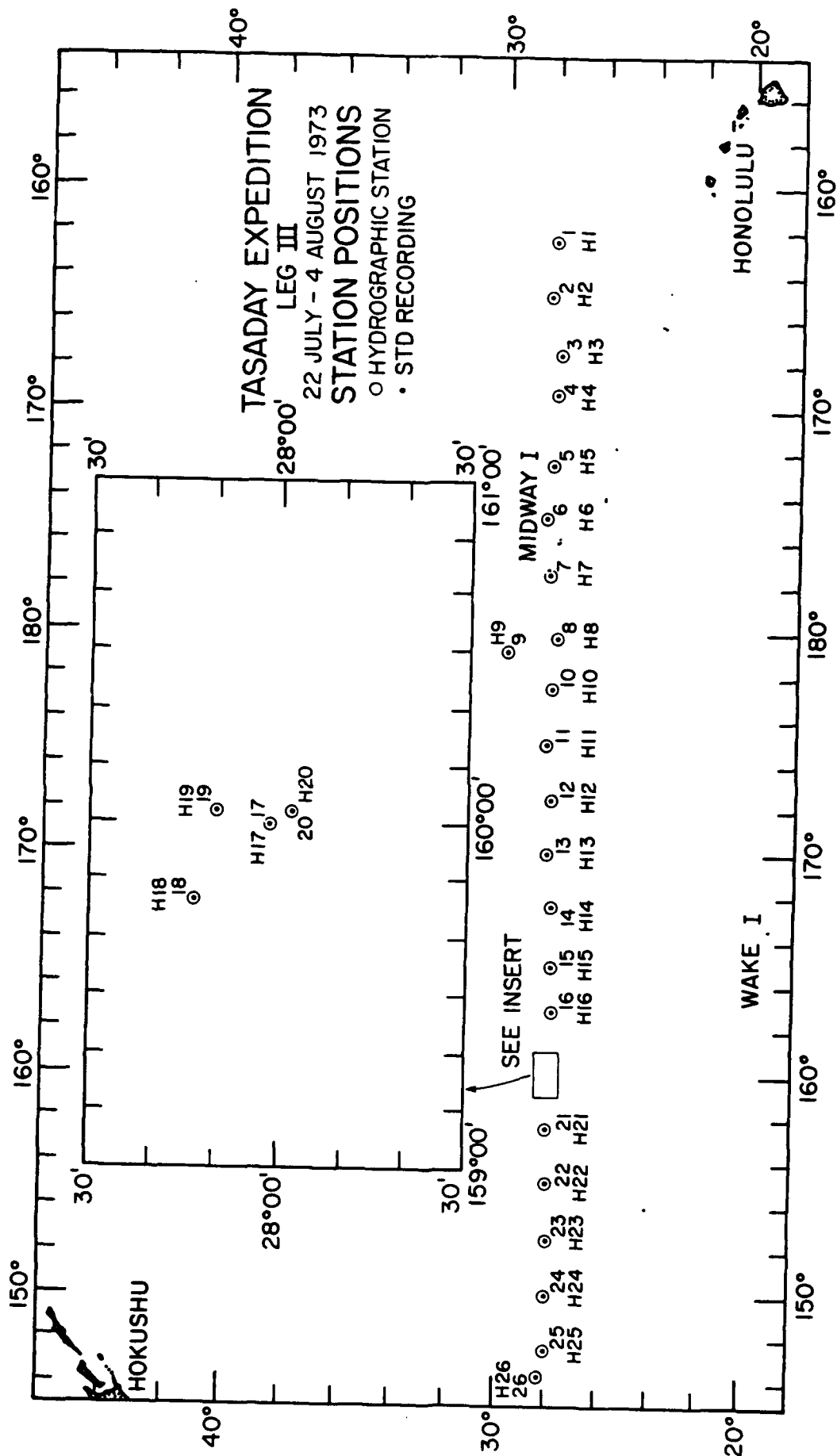
RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG II

STATION

9

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 29.0 N	155 29.5 W	15/07/73	2340 GMT												
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	24.40											0.05	0.03	0
1	15	24.09											0.06	0.03	15
1	30	23.71											0.08	0.05	30
1	45												0.10	0.05	45
1	60	20.75											0.07	0.02	60
1	75												0.10	0.04	76
1	90	18.69											0.12	0.08	91
1	95												0.12	0.09	96
1	100	18.49											0.13	0.11	101
1	105	18.38											0.14	0.15	106
1	110	18.24											0.14	0.09	111
1	115	18.11											0.14	0.15	116
1	120	17.92											0.10	0.09	121
1	131	17.69											0.07	0.10	132
1	141	17.48											0.06	0.10	142
1	151												0.07	0.09	152
1	176												0.04	0.05	177
1	201	15.90											0.03	0.04	203



TASADAY EXPEDITION LEG III

STATION POSITIONS

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude	Longitude	
1	July 22	1907	28° 00.5N	162° 30.5W	S
1	July 22	1935	28° 00.5	162° 30.5	H C
2	July 23	0626	28° 03.0	164° 56.0	S
2	July 23	0653	28° 03.0	164° 56.0	H C
3	July 23	1927	27° 58.5	167° 34.0	S
3	July 23	1955	27° 58.5	167° 34.0	H C
4	July 24	0652	27° 59.5	169° 28.5	S
4	July 24	0712	27° 59.5	169° 28.5	H C
5	July 24	1921	28° 01.0	172° 31.5	S
5	July 24	1946	28° 01.0	172° 31.5	H C
6	July 25	0724	28° 04.0	174° 57.0	S
6	July 25	0749	28° 04.0	174° 57.0	H C
7	July 25	1927	28° 02.0	177° 28.5	S
7	July 25	1952	28° 02.0	177° 28.5	H C
8	July 26	1457	27° 58.0	179° 43.0E	S
8	July 26	1525	27° 58.0	179° 43.0	H C
9	July 27	0718	29° 50.0	179° 03.5	S
9	July 27	0742	29° 50.0	179° 03.5	H C
10	July 27	2226	28° 00.0	177° 30.0	S
10	July 27	2247	28° 00.0	177° 30.0	H C
11	July 28	0942	28° 02.0	174° 59.5	S
11	July 28	1005	28° 02.0	174° 59.5	H C
12	July 28	2235	28° 00.5	172° 29.0	S
12	July 28	2302	28° 00.5	172° 29.0	H C
13	July 29	1252	28° 01.5	169° 59.5	S
13	July 29	1322	28° 01.5	169° 59.5	H C
14	July 30	0824	28° 00.0	167° 31.5	S
14	July 30	0847	28° 00.0	167° 31.5	H C
15	July 30	2052	27° 59.0	164° 57.5	S
15	July 30	2116	27° 59.0	164° 57.5	H C
16	July 31	0828	27° 58.5	162° 28.0	S
16	July 31	0852	27° 58.5	162° 28.0	H C
17	July 31	2313	28° 01.5	160° 00.0	S
17	July 31	2338	28° 01.5	160° 00.0	H C
18	August 1	0314	28° 13.0	159° 53.0	S
18	August 1	0338	28° 13.0	159° 53.0	H C

*S Salinity/Temperature/Depth Recorder
H Hydrographic
C Chlorophyll

Station Number	Date 1973	Time GMT	Position		Type of Data*
			Latitude	Longitude	
19	August 1	0747	28° 10.0N	160° 01.0E	S
19	August 1	0818	28° 10.0	160° 01.0	H C
20	August 1	1547	27° 58.0	160° 01.0	S
20	August 1	1612	27° 58.0	160° 01.0	H C
21	August 2	0556	28° 00.0	157° 29.5	S
21	August 2	0617	28° 00.0	157° 29.5	H C
22	August 2	1706	27° 59.5	155° 01.0	S
22	August 2	1731	27° 59.5	155° 01.0	H C
23	August 3	0553	28° 00.0	152° 31.5	S
23	August 3	0620	28° 00.0	152° 31.5	H C
24	August 3	1723	28° 00.0	150° 00.0	S
24	August 3	1749	28° 00.0	150° 00.0	H C
25	August 4	0551	28° 00.0	147° 32.0	S
25	August 4	0616	28° 00.0	147° 32.0	H C
26	August 4	1324	28° 03.5	146° 16.0	S
26	August 4	1349	28° 03.5	146° 16.0	H C

PERSONNEL

TASADAY EXPEDITION, LEG III

SHIP'S CAPTAIN

Newbegin, Robert C.

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

Shulenberg, Eric	Chief Scientist, SIO
Bailey, T.	Graduate Student, SIO
Barth, Michael A.	Air Gun Technician, SIO
Burgener, Bruce C.	Staff Research Associate, SIO
Castile, B.	Graduate Student, SIO
Clague, D.	Graduate Student, SIO
Deysher, L.	Graduate Student, SIO
Gist, C.	Volunteer, SIO
Graham, Jerry B.	Electronics Technician, SIO
Green, D.	Graduate Student, University of Ottawa
Hubenka, Frank	Air Gun Technician, SIO
Keith, Warren E.	Resident Technician, SIO
Wells, James A.	Marine Technician, SIO
Witherow, Sharon L.	Laboratory Assistant, SIO

STD 1

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STD 2

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 00.5 N	162 30.5 W	22/07/73	1907 GMT	5541 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	25.15	25.15	35.44	23.630	425.3	0.000	0
10	25.15	25.15	35.45	23.638	425.0	0.043	10
20	25.15	25.15	35.45	23.639	425.4	0.085	20
30	24.99	24.98	35.42	23.666	423.3	0.127	30
50	23.06	23.05	35.35	24.186	374.5	0.207	50
75	21.48	21.47	35.28	24.581	337.8	0.296	76
100	20.38	20.36	35.24	24.850	313.0	0.378	101
125	19.70	19.68	35.23	25.023	297.5	0.454	126
150	19.01	18.98	35.16	25.149	286.3	0.527	151
200	17.64	17.61	34.97	25.347	269.0	0.666	201
250	15.71	15.67	34.68	25.577	248.1	0.795	252
300	13.62	13.58	34.46	25.858	221.9	0.913	302
400	11.17	11.12	34.25	26.170	193.3	1.120	403
500	8.72	8.67	34.10	26.466	165.2	1.299	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 03.0 N	164 56.0 W	23/07/73	0626 GMT	4916 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	25.57	25.57	35.47	23.523	435.5	0.000	0
10	25.54	25.54	35.48	23.541	434.3	0.043	10
20	25.38	25.38	35.48	23.591	430.0	0.087	20
30	24.62	24.61	35.42	23.778	412.6	0.129	30
50	22.00	21.99	35.30	24.450	349.2	0.205	50
75	20.55	20.54	35.27	24.826	314.3	0.288	76
100	19.73	19.71	35.24	25.022	296.6	0.364	101
125	19.23	19.21	35.20	25.122	288.0	0.437	126
150	18.67	18.64	35.13	25.212	280.2	0.508	151
200	17.44	17.41	34.95	25.380	265.8	0.645	201
250	16.07	16.03	34.76	25.557	250.2	0.774	252
300	14.13	14.09	34.52	25.799	227.8	0.893	302
400	11.29	11.24	34.27	26.164	194.0	1.104	403
500	8.98	8.93	34.12	26.441	167.9	1.285	504

STD 3

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STD 4

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 58.5 N	167 34.0 W	23/07/73	1927 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	25.60	25.60	35.50	23.537	434.2	0.000	0
10	25.60	25.60	35.50	23.538	434.6	0.043	10
20	25.60	25.60	35.50	23.538	435.0	0.087	20
30	24.80	24.79	35.46	23.753	414.9	0.129	30
50	22.45	22.44	35.30	24.323	361.4	0.207	50
75	20.62	20.61	35.24	24.785	318.3	0.292	75
100	19.53	19.51	35.17	25.021	296.7	0.369	101
125	18.87	18.85	35.12	25.153	285.0	0.442	126
150	18.52	18.49	35.08	25.212	280.2	0.512	151
200	16.71	16.68	34.76	25.407	262.9	0.648	201
250	15.12	15.08	34.64	25.677	238.3	0.773	252
300	13.91	13.87	34.53	25.852	222.6	0.889	302
400	11.73	11.68	34.31	26.114	199.1	1.099	403
500	9.27	9.21	34.16	26.426	169.6	1.284	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 59.5 N	169 28.5 W	24/07/73	0652 GMT	4540 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D. BAR
0	25.65	25.65	35.51	23.529	435.0	0.000	0
10	25.65	25.65	35.52	23.537	434.7	0.043	10
20	25.65	25.65	35.52	23.538	435.1	0.087	20
30	25.65	25.64	35.51	23.531	436.2	0.131	30
50	22.27	22.26	35.31	24.382	355.8	0.210	50
75	20.93	20.92	35.26	24.716	324.9	0.295	75
100	20.16	20.14	35.23	24.901	308.2	0.374	101
125	19.59	19.57	35.20	25.029	296.9	0.450	126
150	19.06	19.03	35.17	25.144	286.8	0.523	151
200	18.37	18.33	35.09	25.259	277.6	0.664	201
250	16.91	16.87	34.87	25.446	261.0	0.798	252
300	15.46	15.41	34.69	25.642	243.4	0.924	302
400	12.70	12.65	34.40	25.999	210.8	1.152	403
500	9.96	9.90	34.20	26.344	178.1	1.346	504

STD 5

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STD 6

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 01.0 N	172 31.5 W	24/07/73	1921 GMT	5007 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	26.53	26.53	35.48	23.231	463.4	0.000	0
10	26.54	26.54	35.48	23.229	464.1	0.046	10
20	26.54	26.54	35.49	23.237	463.8	0.093	20
30	26.54	26.53	35.49	23.237	464.2	0.139	30
50	22.96	22.95	35.24	24.132	379.6	0.224	50
75	20.64	20.63	35.13	24.695	326.8	0.312	76
100	18.93	18.91	35.06	25.090	289.9	0.389	101
125	17.85	17.83	34.93	25.262	274.4	0.460	126
150	17.05	17.03	34.85	25.394	262.5	0.527	151
200	15.69	15.66	34.68	25.580	246.2	0.654	201
250	14.24	14.20	34.54	25.790	227.3	0.772	252
300	13.39	13.35	34.47	25.913	216.6	0.883	302
400	11.15	11.10	34.29	26.205	190.0	1.086	403
500	8.76	8.71	34.12	26.476	164.4	1.264	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 04.0 N	174 57.0 W	25/07/73	0724 GMT	5607 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	26.28	26.28	35.49	23.317	455.2	0.000	0
10	26.28	26.28	35.50	23.326	454.9	0.046	10
20	26.29	26.29	35.50	23.323	455.6	0.091	20
30	26.29	26.28	35.50	23.324	456.0	0.137	30
50	23.47	23.46	35.33	24.052	387.3	0.221	50
75	21.34	21.33	35.21	24.566	339.2	0.312	76
100	19.68	19.66	35.07	24.905	307.7	0.393	101
125	19.15	19.13	35.05	25.028	296.9	0.468	126
150	18.44	18.41	34.99	25.163	284.9	0.541	151
200	17.10	17.07	34.85	25.384	265.3	0.678	201
250	15.96	15.92	34.73	25.559	249.9	0.807	252
300	14.35	14.31	34.56	25.783	229.4	0.927	302
400	11.86	11.81	34.35	26.121	198.6	1.141	403
500	9.58	9.52	34.19	26.400	172.5	1.327	504

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TASADAY EXPEDITION LEG III

STD 8

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 02.0 N	177 28.5 W	25/07/73	1927 GMT	3692 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	26.69	26.69	35.36	23.090	476.9	0.000	0
10	26.69	26.69	35.36	23.090	477.3	0.048	10
20	26.69	26.69	35.36	23.091	477.7	0.095	20
30	26.67	26.66	35.35	23.091	478.2	0.143	30
50	22.29	22.28	35.06	24.186	374.4	0.229	50
75	19.57	19.56	35.00	24.879	309.2	0.314	76
100	18.42	18.40	34.99	25.166	282.7	0.388	101
125	17.32	17.30	34.86	25.336	267.2	0.457	126
150	16.21	16.19	34.74	25.506	251.7	0.522	151
200	14.91	14.88	34.62	25.706	233.9	0.643	201
250	14.00	13.96	34.53	25.832	223.1	0.757	252
300	12.82	12.78	34.42	25.988	209.2	0.865	302
400	10.22	10.17	34.23	26.322	178.3	1.059	403
500	8.55	8.50	34.14	26.524	159.7	1.228	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 58.0 N	179 43.0 E	26/07/73	1457 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.03	27.03	35.45	23.049	480.8	0.000	0
10	27.03	27.03	35.45	23.050	481.2	0.048	10
20	27.03	27.03	35.45	23.051	481.6	0.096	20
30	27.03	27.02	35.45	23.052	482.0	0.144	30
50	24.91	24.90	35.30	23.600	430.4	0.236	50
75	22.96	22.94	35.28	24.164	377.7	0.337	75
100	21.03	21.01	35.17	24.622	334.9	0.426	101
125	19.88	19.86	35.09	24.869	312.1	0.507	126
150	18.72	18.69	34.97	25.077	293.1	0.582	151
200	16.97	16.94	34.82	25.392	264.5	0.722	201
250	15.65	15.61	34.68	25.590	246.8	0.849	252
300	14.34	14.30	34.56	25.785	229.2	0.968	302
400	12.18	12.13	34.34	26.053	205.3	1.186	403
500	9.78	9.72	34.19	26.367	175.8	1.376	504

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STD 10

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
29 50.0 N	179 03.5 E	27/07/73	0718 GMT	1045 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.12	27.12	35.42	22.998	485.7	0.000	0
10	27.12	27.12	35.43	23.006	485.4	0.049	10
20	27.12	27.12	35.43	23.007	485.8	0.097	20
30	26.85	26.84	35.38	23.056	481.5	0.145	30
50	22.41	22.40	35.24	24.289	364.6	0.230	50
75	19.71	19.70	34.89	24.759	320.7	0.316	76
100	17.88	17.86	34.80	25.154	283.8	0.391	101
125	16.71	16.69	34.74	25.389	262.1	0.460	126
150	16.17	16.15	34.70	25.484	253.8	0.524	151
200	15.36	15.33	34.63	25.615	242.8	0.648	201
250	14.37	14.33	34.56	25.777	228.5	0.766	252
300	13.36	13.32	34.49	25.934	214.6	0.877	302
400	11.69	11.64	34.35	26.153	195.4	1.082	403
500	9.20	9.14	34.17	26.446	167.7	1.263	504

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
28 00.0 N		177 30.0 E		27/07/73		2226 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	26.88	26.88	35.24	22.939	491.3	0.000	0		
10	26.87	26.87	35.24	22.943	491.4	0.049	10		
20	26.87	26.87	35.25	22.951	491.1	0.098	20		
30	22.45	22.44	34.90	24.018	389.6	0.142	30		
50	19.48	19.47	34.86	24.794	316.3	0.213	50		
75	17.21	17.20	34.75	25.276	271.1	0.286	76		
100	16.28	16.26	34.71	25.465	253.9	0.352	101		
125	15.76	15.74	34.67	25.553	246.2	0.414	126		
150	15.31	15.29	34.63	25.624	240.2	0.475	151		
200	14.60	14.57	34.58	25.742	230.4	0.593	201		
250	13.56	13.52	34.50	25.900	216.5	0.705	252		
300	12.65	12.61	34.43	26.029	205.2	0.810	302		
400	10.64	10.59	34.29	26.296	181.1	1.003	403		
500	8.45	8.40	34.12	26.523	159.6	1.173	504		

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STD 12

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 02.0 N	174 59.5 E	28/07/73	0942 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.60	27.60	35.31	22.760	508.4	0.000	0
10	27.60	27.60	35.32	22.768	508.1	0.051	10
20	27.59	27.59	35.32	22.773	508.2	0.102	20
30	27.60	27.59	35.32	22.770	508.9	0.152	30
50	25.52	25.51	35.26	23.384	451.2	0.249	50
75	23.58	23.56	35.25	23.961	397.1	0.355	76
100	20.90	20.88	35.06	24.573	339.5	0.447	101
125	18.94	18.92	34.90	24.967	302.6	0.527	126
150	17.46	17.43	34.76	25.227	278.5	0.600	151
200	16.31	16.28	34.73	25.477	256.2	0.733	201
250	15.07	15.03	34.62	25.673	238.7	0.857	252
300	13.91	13.87	34.50	25.829	224.8	0.973	302
400	11.51	11.46	34.29	26.140	196.5	1.183	403
500	9.32	9.26	34.16	26.418	170.4	1.367	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 00.5 N	172 29.0 E	28/07/73	2235 GMT	6505 M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.62	27.62	35.33	22.769	507.6	0.000	0
10	27.60	27.60	35.33	22.776	507.4	0.051	10
20	27.60	27.60	35.33	22.777	507.8	0.102	20
30	27.36	27.35	35.33	22.855	500.8	0.152	30
50	21.07	21.06	35.13	24.578	337.0	0.236	50
75	18.97	18.96	34.86	24.926	304.6	0.316	76
100	17.32	17.30	34.74	25.243	275.2	0.388	101
125	16.58	16.56	34.72	25.404	260.6	0.455	126
150	16.21	16.19	34.70	25.475	254.6	0.520	151
200	15.49	15.46	34.66	25.609	243.3	0.644	201
250	14.76	14.72	34.59	25.717	234.4	0.764	252
300	13.84	13.80	34.53	25.867	221.2	0.878	302
400	11.61	11.56	34.38	26.191	191.8	1.084	403
500	9.48	9.42	34.21	26.432	169.4	1.265	504

STD 13

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STD 14

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 01.5 N	169 59.5 E	29/07/73	1252 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.05	27.05	34.96	22.674	516.7	0.000	0
10	27.05	27.05	34.96	22.674	517.1	0.052	10
20	27.05	27.05	34.96	22.675	517.5	0.103	20
30	24.05	24.04	34.90	23.554	433.9	0.151	30
50	20.15	20.14	34.84	24.604	334.5	0.228	50
75	18.38	18.37	34.82	25.044	293.3	0.306	76
100	16.97	16.95	34.71	25.304	269.4	0.377	101
125	16.43	16.41	34.69	25.416	259.5	0.443	126
150	16.16	16.14	34.70	25.487	253.5	0.507	151
200	15.53	15.50	34.67	25.608	243.5	0.631	201
250	14.70	14.66	34.59	25.730	233.1	0.750	252
300	13.64	13.60	34.52	25.901	217.9	0.863	302
400	11.44	11.39	34.33	26.184	192.3	1.068	403
500	9.50	9.44	34.19	26.413	171.1	1.250	504

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 00.0 N	167 31.5 E	30/07/73	0824 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.45	27.45	35.17	22.703	513.9	0.000	0
10	27.44	27.44	35.17	22.707	513.9	0.051	10
20	27.43	27.43	35.18	22.719	513.3	0.103	20
30	23.52	23.51	35.20	23.938	397.3	0.148	30
50	20.56	20.55	34.97	24.594	335.5	0.222	50
75	18.72	18.71	34.88	25.005	297.1	0.301	76
100	17.51	17.49	34.76	25.213	278.1	0.373	101
125	16.54	16.52	34.68	25.382	262.7	0.440	126
150	16.34	16.32	34.67	25.422	259.7	0.505	151
200	16.14	16.11	34.69	25.485	255.3	0.634	201
250	15.49	15.45	34.66	25.611	244.8	0.759	252
300	14.50	14.46	34.58	25.767	231.1	0.878	302
400	12.39	12.34	34.43	26.083	202.7	1.095	403
500	10.06	10.00	34.25	26.367	176.1	1.284	504

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STD 16

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 59.0 N	164 57.5 E	30/07/73	2052 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.17	27.17	35.07	22.718	512.4	0.000	0
10	27.17	27.17	35.08	22.726	512.1	0.051	10
20	27.17	27.17	35.08	22.727	512.5	0.102	20
30	27.16	27.15	35.08	22.731	512.6	0.154	30
50	22.65	22.64	35.15	24.152	377.6	0.243	50
75	20.43	20.42	34.99	24.645	331.6	0.331	75
100	18.59	18.57	34.87	25.031	295.5	0.410	101
125	17.51	17.49	34.78	25.229	277.4	0.481	126
150	16.81	16.79	34.73	25.359	265.8	0.549	151
200	16.21	16.18	34.73	25.500	254.0	0.679	201
250	15.53	15.49	34.68	25.617	244.2	0.804	252
300	14.57	14.53	34.62	25.783	229.6	0.922	302
400	12.54	12.49	34.45	26.069	204.1	1.139	403
500	10.21	10.15	34.28	26.364	176.5	1.329	504

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
27 58.5 N		162 28.0 E		31/07/73		0828 GMT			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	27.40	27.40	34.94	22.546	528.9	0.000	0		
10	27.39	27.39	34.94	22.550	529.0	0.053	10		
20	27.31	27.31	34.93	22.569	527.6	0.106	20		
30	26.56	26.55	35.04	22.892	497.2	0.157	30		
50	22.54	22.53	35.06	24.115	381.2	0.245	50		
75	20.87	20.86	34.98	24.519	343.6	0.335	75		
100	19.40	19.38	34.86	24.818	316.0	0.418	101		
125	18.10	18.08	34.79	25.093	290.5	0.494	126		
150	17.15	17.12	34.74	25.286	272.8	0.564	151		
200	16.47	16.44	34.71	25.425	261.2	0.698	201		
250	15.83	15.79	34.71	25.573	248.5	0.825	252		
300	15.16	15.11	34.65	25.678	239.9	0.947	302		
400	12.83	12.77	34.46	26.020	208.9	1.172	403		
500	10.81	10.75	34.31	26.284	184.7	1.368	504		

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LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 01.5 N	160 00.5 E	31/07/73	2313 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	26.89	26.89	34.57	22.431	539.9	0.000	0
10	26.89	26.89	34.57	22.432	540.3	0.054	10
20	26.87	26.87	34.58	22.446	539.4	0.108	20
30	23.48	23.47	34.55	23.457	443.2	0.157	30
50	19.27	19.26	34.79	24.795	316.2	0.233	50
75	18.28	18.27	34.88	25.115	286.6	0.308	76
100	17.43	17.41	34.80	25.263	273.3	0.378	101
125	16.86	16.84	34.72	25.338	266.9	0.446	126
150	16.57	16.55	34.72	25.407	261.2	0.512	151
200	16.13	16.10	34.73	25.518	252.2	0.640	201
250	15.33	15.29	34.67	25.654	240.6	0.763	252
300	14.36	14.32	34.59	25.804	227.5	0.880	302
400	12.28	12.23	34.44	26.111	199.8	1.094	403
500	9.70	9.64	34.20	26.388	173.7	1.281	504

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STD 18

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 13.0 N	159 53.0 E	01/08/73	0314 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	26.92	26.92	34.59	22.437	539.4	0.000	0
10	26.89	26.89	34.59	22.447	538.9	0.054	10
20	26.32	26.32	34.82	22.801	505.5	0.106	20
30	21.85	21.84	34.80	24.111	380.7	0.150	30
50	19.39	19.38	34.80	24.772	318.4	0.220	50
75	18.33	18.32	34.78	25.026	295.0	0.297	76
100	17.40	17.38	34.78	25.255	274.1	0.368	101
125	16.68	16.66	34.73	25.388	262.1	0.435	126
150	16.50	16.48	34.72	25.423	259.6	0.500	151
200	16.15	16.12	34.72	25.506	253.3	0.629	201
250	15.34	15.30	34.66	25.644	241.6	0.752	252
300	14.45	14.41	34.59	25.785	229.3	0.870	302
400	12.21	12.16	34.43	26.117	199.2	1.084	403
500	9.52	9.46	34.22	26.433	169.3	1.269	504

STD 19

RV THOMAS WASHINGTON

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 10.0 N	160 01.0 E	01/08/73	0747 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.05	27.05	34.58	22.388	544.0	0.000	0
10	27.05	27.05	34.58	22.388	544.4	0.054	10
20	26.57	26.57	34.55	22.519	532.4	0.108	20
30	24.17	24.16	34.78	23.428	445.9	0.157	30
50	20.03	20.02	34.94	24.712	324.2	0.234	50
75	17.99	17.98	34.76	25.095	288.5	0.311	76
100	17.29	17.27	34.77	25.274	272.3	0.381	101
125	16.91	16.89	34.77	25.365	264.4	0.448	126
150	16.61	16.59	34.76	25.429	259.1	0.513	151
200	16.03	16.00	34.72	25.533	250.7	0.641	201
250	15.37	15.33	34.67	25.645	241.5	0.764	252
300	14.45	14.41	34.59	25.785	229.3	0.882	302
400	12.09	12.04	34.41	26.124	198.5	1.095	403
500	9.42	9.36	34.22	26.449	167.6	1.279	504

TASADAY EXPEDITION LEG III

STD 20

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
27 58.0 N		160 01.0 E		01/08/73		1547 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	27.00	27.00	34.59	22.411	541.8	0.000	0		
10	27.00	27.00	34.59	22.412	542.2	0.054	10		
20	26.93	26.93	34.56	22.412	542.6	0.108	20		
30	23.09	23.08	34.85	23.797	410.7	0.156	30		
50	19.28	19.27	34.79	24.792	316.4	0.229	50		
75	18.31	18.30	34.88	25.108	287.3	0.304	75		
100	17.33	17.31	34.77	25.264	273.2	0.374	101		
125	16.75	16.73	34.72	25.364	264.4	0.442	126		
150	16.56	16.54	34.72	25.410	260.9	0.507	151		
200	16.15	16.12	34.72	25.506	253.3	0.636	201		
250	15.29	15.25	34.64	25.640	242.0	0.760	252		
300	14.24	14.20	34.59	25.830	225.0	0.876	302		
400	12.14	12.09	34.42	26.123	198.7	1.088	403		
500	9.75	9.69	34.25	26.418	170.9	1.273	504		

STD 21

RV THOMAS WASHINGTON

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
28 00.0 N		157 29.5 E		02/08/73		0556 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN	HT	PRESS	
M	DEG C	DEG C		THETA				D.BAR	
0	26.44	26.44	34.31	22.377	545.0	0.000	0		0
10	25.43	25.43	34.20	22.608	523.4	0.053	10		10
20	22.14	22.14	34.58	23.862	404.0	0.100	20		20
30	20.36	20.35	34.77	24.494	344.2	0.137	30		30
50	18.17	18.16	34.71	25.011	295.5	0.201	50		50
75	17.35	17.34	34.73	25.228	275.8	0.273	76		76
100	16.96	16.94	34.74	25.329	266.9	0.340	101		101
125	16.60	16.58	34.72	25.399	261.1	0.406	126		126
150	16.48	16.46	34.72	25.428	259.2	0.471	151		151
200	16.24	16.21	34.72	25.485	255.3	0.600	201		201
250	15.79	15.75	34.71	25.582	247.7	0.726	252		252
300	15.00	14.95	34.64	25.705	237.2	0.847	302		302
400	12.63	12.58	34.46	26.059	205.1	1.068	403		403
500	10.00	9.94	34.27	26.392	173.6	1.258	504		504

TASADAY EXPEDITION LEG III

STD 22

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
27 59.5 N	155 01.0 E	02/08/73	1706 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D. BAR
0	27.66	27.66	35.07	22.560	527.5	0.000	0
10	27.66	27.66	35.08	22.568	527.2	0.053	10
20	27.66	27.66	35.08	22.569	527.6	0.105	20
30	27.25	27.24	35.11	22.725	513.2	0.158	30
50	22.11	22.10	35.07	24.245	368.8	0.246	50
75	20.19	20.18	34.95	24.678	328.3	0.333	75
100	18.75	18.73	34.83	24.960	302.3	0.412	101
125	17.53	17.51	34.76	25.209	279.3	0.484	126
150	17.24	17.21	34.76	25.280	273.4	0.554	151
200	16.77	16.74	34.74	25.378	265.8	0.688	201
250	16.38	16.34	34.73	25.463	259.2	0.820	252
300	15.65	15.60	34.69	25.600	247.5	0.946	302
400	13.11	13.05	34.46	25.964	214.4	1.177	403
500	10.68	10.62	34.30	26.299	183.2	1.376	504

STD 23

RV THOMAS WASHINGTON

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
28 00.0 N	152 31.5 E	03/08/73	0553 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	27.96	27.96	34.93	22.357	547.0	0.000	0
10	27.95	27.95	34.93	22.361	547.0	0.055	10
20	27.84	27.84	34.93	22.398	544.0	0.109	20
30	26.40	26.39	34.96	22.882	498.2	0.161	30
50	21.77	21.76	34.93	24.233	369.9	0.248	50
75	20.14	20.13	34.92	24.669	329.3	0.336	76
100	18.88	18.86	34.84	24.935	304.7	0.415	101
125	18.19	18.17	34.80	25.078	291.9	0.489	126
150	17.86	17.83	34.78	25.145	286.4	0.562	151
200	17.27	17.24	34.74	25.259	277.1	0.703	201
250	16.71	16.67	34.75	25.401	265.2	0.838	252
300	15.78	15.73	34.71	25.586	248.9	0.967	302
400	13.18	13.12	34.50	25.981	212.8	1.198	403
500	11.09	11.03	34.33	26.249	188.3	1.398	504

TASADAY EXPEDITION LEG III

STD 24

LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
28 00.0 N		150 00.0 E		03/08/73		1723 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY		SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C			THETA			D.BAR	
0	26.38	26.38	34.67		22.668	517.3	0.000	0	
10	26.37	26.37	34.67		22.671	517.4	0.052	10	
20	26.21	26.21	34.59		22.662	518.8	0.104	20	
30	25.32	25.31	34.58		22.930	493.5	0.154	30	
50	21.88	21.87	34.78		24.088	383.7	0.242	50	
75	19.74	19.73	34.84		24.713	325.0	0.330	76	
100	18.43	18.41	34.79		25.010	297.5	0.408	101	
125	17.84	17.82	34.80		25.164	283.7	0.481	126	
150	17.40	17.37	34.77		25.249	276.4	0.551	151	
200	16.92	16.89	34.74		25.342	269.1	0.687	201	
250	16.62	16.58	34.74		25.415	263.9	0.821	252	
300	16.15	16.10	34.73		25.517	255.6	0.950	302	
400	14.35	14.29	34.58		25.802	230.7	1.194	403	
500	11.91	11.84	34.40		26.153	198.2	1.408	504	

STD 25

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STD 26

LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM		
28 00.0 N		147 32.0 E		04/08/73	0551 GMT	3301 M		
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	27.80	27.80	34.86	22.357	547.0	0.000	0	
10	27.80	27.80	34.87	22.365	546.7	0.055	10	
20	27.22	27.22	34.78	22.485	535.7	0.109	20	
30	24.72	24.71	34.88	23.339	454.5	0.158	30	
50	21.21	21.20	34.83	24.311	362.4	0.240	50	
75	19.39	19.38	34.80	24.773	319.3	0.325	76	
100	18.73	18.71	34.82	24.958	302.5	0.403	101	
125	18.03	18.01	34.79	25.110	288.8	0.477	126	
150	17.58	17.55	34.78	25.214	279.8	0.548	151	
200	17.07	17.04	34.76	25.322	271.1	0.686	201	
250	16.61	16.57	34.75	25.425	262.9	0.819	252	
300	16.00	15.95	34.72	25.544	253.0	0.948	302	
400	13.84	13.78	34.55	25.885	222.4	1.186	403	
500	11.16	11.10	34.36	26.260	187.3	1.391	504	

LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM		
28 03.5 N		146 16.0 E		04/08/73	1324 GMT	M		
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	26.67	26.67	34.49	22.440	539.0	0.000	0	
10	26.22	26.22	34.53	22.613	523.0	0.053	10	
20	24.19	24.19	34.50	23.210	466.4	0.103	20	
30	22.28	22.27	34.65	23.877	403.1	0.146	30	
50	21.22	21.21	34.82	24.301	363.4	0.223	50	
75	20.27	20.26	34.88	24.604	335.5	0.310	76	
100	19.13	19.11	34.84	24.871	310.8	0.391	101	
125	18.49	18.47	34.84	25.034	296.1	0.467	126	
150	17.95	17.92	34.80	25.139	287.0	0.540	151	
200	17.25	17.22	34.77	25.287	274.5	0.680	201	
250	16.78	16.74	34.76	25.393	266.1	0.815	252	
300	16.14	16.09	34.73	25.520	255.4	0.945	302	
400	14.25	14.19	34.58	25.823	228.6	1.187	403	
500	11.43	11.37	34.40	26.242	189.3	1.396	504	

RV THOMAS WASHINGTON					TASADAY EXPEDITION LEG III										STATION					1
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE							
28 0.5 N	162 30.5 W	22/07/73	1935 GMT	5541 m																
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAE0	PRESS				
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	ug/l	uM/l	uM/l	ug/l	ug/l	db				
1	10	25.15						5.21 A		1.0	0.13	0.1	0.01	0.02	0.01	10				
1	25	25.09						5.21		1.0	0.12	0.1	0.01	0.02	0.01	25				
1	40	23.63						5.52		1.0	0.11	0.1	0.01	0.04	0.01	40				
1	55							5.46		1.0	0.12	0.1	0.00	0.04	0.02	55				
1	70	21.87						5.48		1.0	0.11	0.1	0.01	0.05	0.03	71				
1	85							5.54		1.0	0.15	0.0	0.00	0.04	0.02	86				
1	95	20.50						5.46		1.0	0.13	0.1	0.00	0.05	0.03	96				
1	99							5.40		1.0	0.15	0.2	0.01	0.07	0.04	100				
1	104	20.12						5.35		1.0	0.16	0.1	0.02	0.08	0.06	105				
1	109	20.03						5.57		1.0	0.13	0.1	0.04	0.08	0.05	110				
1	114	19.86						5.57		1.0	0.11	0.1	0.00	0.08	0.08	115				
1	118	19.80						5.44		1.0	0.15	0.1	0.00			119				
1	123	19.71						5.54		1.0	0.13	0.1	0.10	0.08	0.11	124				
1	138	19.38						5.33		1.0	0.11	0.1	0.15	0.09	0.12	139				
1	152	18.89						5.18		2.0	0.15	1.0	0.24	0.05	0.07	153				
1	172							5.08		2.0	0.18	1.5	0.11	0.03	0.04	173				
1	191							5.06		2.0	0.22	2.0	0.08	0.01	0.02	192				
1	490	8.94	8.89	34.106	26.436	168.1		4.43	68.0	28.0	1.48	20.3	0.02	0.00	0.01	494				

A) BUBBLES OCCURRED IN ALL OXYGEN SAMPLES OF THIS CAST.

RV THOMAS WASHINGTON					TASADAY EXPEDITION LEG III							STATION					2	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE					
28 3.0 N	164 56.0 W	23/07/73	0653 GMT	4916 m														
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAE0 ug/l	PRESS db		
1	1	25.53	25.53	35.486	23.548	433.2		5.09	109.0	1.0	0.24	0.0	0.09	0.03	0.01	1		
1	26			35.488				5.08	105.3	1.0	0.18	0.0	0.06	0.03	0.01	26		
1	41	22.57	22.56	35.330	24.311	362.1		5.55	112.8	1.7	0.18	0.0	0.09	0.03	0.01	41		
1	61			35.273				5.59	110.9	1.8	0.15	0.0	0.06	0.03	0.01	61		
1	76	20.49	20.48	35.263	24.837	313.3		5.64	110.3	1.7	0.13	0.0	0.04	0.04	0.01	76		
1	91			35.266				5.56	107.7	1.7	0.11	0.0	0.02	0.05	0.02	91		
1	106	19.60	19.58	35.242	25.058	293.4		5.55	106.8	1.8	0.09	0.0	0.00	0.05	0.03	106		
1	116			35.223				5.46	104.5	1.7	0.11	0.0	0.00	0.06	0.06	116		
1	121	19.24	19.22					5.44	103.9	1.9	0.13	0.0	0.00	0.06	0.06	121		
1	126	19.20	19.18	35.197	25.127	287.5		5.42	103.5	2.0	0.10	0.0	0.00	0.07	0.08	126		
1	131	19.03	19.01	35.182	25.160	284.6		4.92 U		2.0	0.11	0.0	0.07	0.08	0.09	132		
1	136	18.94	18.92	35.166	25.171	283.7		5.30	100.6	2.3	0.13	0.1	0.15	0.08	0.11	137		
1	141	18.80	18.77	35.156	25.199	281.2		5.25	99.4	2.3	0.15	0.4	0.11	0.09	0.11	142		
1	146	18.69	18.66	35.115 U				5.24	99.0	2.4	0.16	0.6	0.06	0.09	0.10	147		
1	150	18.57	18.54	35.120	25.230	278.6		5.20	98.0	2.5	0.16	0.7	0.05	0.07	0.08	151		
1	165			35.070				5.25	98.2	2.7	0.20	1.1	0.04	0.04	0.04	166		
1	199			34.970				5.21	95.6	3.3	0.23	1.8	0.03	0.02	0.02	200		
1	497	8.93						4.64		26.0	1.44	19.5	0.00			501		

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG III								STATION				3	
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	NET	SECCHI/FOREL	CLD AMT	TYPE				
27 58.5 N	167 34.0 W	23/07/73	1955 GMT														
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAE0	PRESS	
m	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
1	2	25.60	25.60	35.507	23.542	433.8		5.05	108.3	2.0	0.16	0.0	0.03	0.03	0.01	2	
1	22							5.00		1.0	0.13	0.0	0.00	0.03	0.01	22	
1	41	22.86						5.56		2.0	0.07	0.0	0.00	0.04	0.01	41	
1	61							5.65		2.0	0.07	0.0	0.00	0.05	0.02	61	
1	75	20.66						5.57		2.0	0.08	0.0	0.00	0.05	0.01	76	
1	90							5.39		2.0	0.07	0.1	0.00	0.06	0.02	91	
1	104	19.52						5.50		2.0	0.09	0.0	0.00	0.06	0.03	105	
1	114							5.35		2.0	0.08	0.0	0.00	0.08	0.07	115	
1	119	19.07						5.31		2.0	0.10	0.0	0.01	0.09	0.10	120	
1	123	18.95						5.27		2.0	0.11	0.0	0.01	0.13	0.13	124	
1	128	18.85						5.22		2.0	0.09	0.2	0.02	0.13	0.15	129	
1	133	18.81						5.23		2.0	0.12	0.3	0.03	0.13	0.17	134	
1	138	18.76						5.18		2.0	0.11	0.3	0.04	0.10	0.14	139	
1	142	18.66						5.17		2.0	0.13	0.6	0.04	0.11	0.13	143	
1	147	18.59						5.14		2.0	0.13	0.8	0.05	0.11	0.12	148	
1	161							5.12		3.0	0.15	1.2	0.04	0.08	0.10	162	
1	194							5.21		3.0	0.18	1.5	0.03	0.03	0.06	195	
1	487	9.70	9.64	34.185	26.376	174.6		4.80	75.0	24.0	1.26	17.0	0.00			489	

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

4

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	NEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
27 59.5 N	169 28.5 W	24/07/73	0712 GMT	4540 m												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m		DEG C	DEG C		THETA			ml/l	PCT	um/l	um/l	um/l	um/l	ug/l	ug/l	db
1	1	25.64	25.64	35.521	23.540	433.9		5.04	108.1	2.0	0.16	0.0	0.00	0.02	0.01	1
1	21	25.62						5.03		2.0	0.13	0.0	0.00	0.01	0.00	21
1	43	23.02						5.58		2.0	0.11	0.0	0.00	0.02	0.01	43
1	64	21.53						5.64		2.0	0.09	0.0	0.00	0.04	0.01	64
1	78	20.79						5.59		2.0	0.09	0.0	0.00	0.03	0.01	79
1	92	20.37						5.57		2.0	0.09	0.0	0.00	0.04	0.02	93
1	107	20.05						5.50		2.0	0.09	0.0	0.00	0.04	0.02	108
1	117							5.45		2.0	0.09	0.1	0.00	0.05	0.04	118
1	122	19.67						5.42		2.0	0.09	0.1	0.00	0.08	0.07	123
1	128							5.39		2.0	0.09	0.1	0.00	0.08	0.12	129
1	132	19.34						5.33		2.0	0.09	0.1	0.00	0.11	0.13	133
1	136							5.30		2.0	0.09	0.1	0.06	0.08	0.21	137
1	141	19.16						5.22		2.0	0.11	0.3	0.10	0.09	0.10	142
1	146							5.19		2.0	0.11	0.7	0.03	0.06	0.08	147
1	151	18.99						5.20		2.0	0.12	0.8	0.02	0.05	0.08	152
1	165							5.20		2.0	0.12	1.1	0.01	0.04	0.05	166
1	199	18.23						5.21		3.0	0.15	1.3	0.00	0.01	0.01	200
1	495	10.08	10.02	34.201	26.325	180.0		4.85	76.4	22.0	1.17	16.4	0.00			497

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

5

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 1.0 N	172 31.5 W	24/07/73	1946 GMT	5007 m			2					7/8	SC			
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	uM/l	db
1	1	26.54	26.54	35.486	23.232	463.3		4.99	108.6	1.0	0.14	0.2	0.00	0.06	0.03	1
1	22	26.53						4.98		1.0	0.13	0.2	0.00	0.06	0.03	22
1	42	24.17						5.48		1.0	0.08	0.2	0.00	0.07	0.04	42
1	62	21.64						5.53		2.0	0.09	0.2	0.00	0.10	0.07	62
1	77	20.38						5.40		2.0	0.10	0.1	0.01	0.06	0.04	78
1	92	19.27						5.38		2.0	0.11	0.2	0.04	0.05	0.07	93
1	106	18.59						5.06		3.0	0.18	1.4	0.07	0.04	0.05	107
1	116							5.08		3.0	0.18	1.3	0.09	0.03	0.05	117
1	121	17.97						5.14		3.0	0.19	1.6	0.07	0.02	0.04	122
1	126							5.03		4.0	0.22	2.0	0.03	0.02	0.04	127
1	130							5.00		4.0	0.24	2.4	0.02	0.01	0.03	131
1	135							4.96		4.0	0.26	2.6	0.02	0.02	0.03	136
1	140	17.37						5.12		4.0	0.22	2.0	0.01	0.02	0.05	141
1	145							5.15		4.0	0.26	2.2	0.00	0.01	0.03	146
1	149	17.07						5.20		4.0	0.24	2.5	0.01	0.01	0.02	150
1	164							4.69 U		5.0	0.28	3.1	0.00	0.01	0.02	165
1	199	15.64						5.06		6.0	0.42	4.7	0.01	0.00	0.01	200
1	496	8.98	8.93	34.141	26.458	166.3		4.29	65.9	31.0	1.53	20.4	0.00			498

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

6

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	NEA	BAROMETER	DRY	WET	SECCHI/FOREL		CLD AMT	TYPE
28 4.0 N		174 57.0 W	25/07/73	0749 GMT	5607 m											
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	um/l	um/l	um/l	um/l	ug/l	ug/l	db
1	1	26.25	26.25	35.491	23.328	454.2		5.03	109.0	2.0	0.11	0.1	0.00	0.02	0.01	1
1	16	26.27						4.98		1.0	0.09	0.1	0.00	0.02	0.01	16
1	32	26.28						4.99		1.0	0.05	0.1	0.00	0.02	0.01	32
1	42	26.18						5.02		1.0	0.09	0.1	0.00	0.02	0.01	42
1	52	23.71						5.45		2.0	0.09	0.1	0.00	0.04	0.01	52
1	62	22.25						5.45		2.0	0.09	0.1	0.00	0.05	0.02	62
1	72	21.44						5.27		2.0	0.10	0.1	0.00	0.04	0.01	73
1	82							5.20		2.0	0.11	0.1	0.00	0.06	0.05	83
1	92	20.45						5.17		2.0	0.11	0.2	0.00			93
1	102							5.20		3.0	0.11	0.5	0.10	0.14	0.12	103
1	112	19.50						5.16		3.0	0.15	0.6	0.13	0.10	0.09	113
1	121							5.07		3.0	0.16	0.9	0.10	0.08	0.09	122
1	131	19.18						5.15		3.0	0.17	0.9	0.13	0.10	0.12	132
1	141							5.12		3.0	0.18	1.1	0.12	0.07	0.08	142
1	150	18.45						5.19		3.0	0.18	1.1	0.13	0.08	0.03	151
1	174							5.15		4.0	0.26	1.9	0.06	0.03	0.05	175
1	198	17.01						5.11		5.0	0.29	2.6	0.02	0.02	0.04	199
1	501	9.60	9.54	34.190	26.396	172.8		4.63	72.2	27.0	1.33	18.1	0.00			504

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG III										STATION				7
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE					
28 2.0 N	177 28.5 W	25/07/73	1952 GMT	3692 m			1					4/8	CU					
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db		
1	1	26.68	26.68	35.360	23.093	476.7		5.11	111.4	1.0	0.16	0.2	0.00	0.05	0.03	1		
1	21	26.67						5.02		1.0	0.11	0.2	0.00	0.05	0.04	21		
1	41	22.91						5.52	A	0.0	0.09	0.1	0.00	0.10	0.06	41		
1	56	20.84						5.55		2.0	0.09	0.1	0.00	0.11	0.08	56		
1	66	20.21						5.56		3.0	0.08	0.1	0.00	0.11	0.10	66		
1	76	19.33						5.54		3.0	0.09	0.2	0.00	0.09	0.10	77		
1	86	18.78						5.33		3.0	0.12	0.2	0.06	0.07	0.09	87		
1	91							5.24		3.0	0.15	0.4	0.17	0.07	0.10	92		
1	96	18.31						5.23		3.0	0.16	0.6	0.17	0.06	0.11	97		
1	101							5.21		3.0	0.16	1.1	0.14	0.06	0.09	102		
1	106	17.94						5.18		3.0	0.18	1.3	0.12	0.06	0.08	107		
1	111							5.12		4.0	0.22	1.8	0.07	0.05	0.08	112		
1	116	17.36						5.10		4.0	0.24	2.5	0.04	0.03	0.06	117		
1	126							5.05	A	4.0	0.27	3.0	0.02	0.03	0.05	127		
1	151	16.20						5.08		5.0	0.35	4.2	0.03	0.01	0.02	152		
1	175	15.90						4.98		6.0	0.40	4.9	0.02	0.01	0.02	176		
1	199	14.97						5.07		7.0	0.49	6.4	0.04	0.01	0.00	201		
1	498 B	8.55	8.50	34.125	26.512	160.7		4.30	65.4	35.0	1.63	22.3	0.00			500		

A) BUBBLES OCCURRED IN ALL OXYGEN SAMPLES BETWEEN 41 AND 126 METERS.

B) THIS DEPTH WAS DETERMINED FROM AN EXTRAPOLATED DEPTH CURVE DUE TO A MALFUNCTION OF THE UNPROTECTED THERMOMETER. THE TEMPERATURE AGREES WITH THAT RECORDED BY THE STD AT THE SAME DEPTH.

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG III										STATION 8			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
27 58.0 N	179 43.0 E	26/07/73	1525 GMT														
CST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db	
1	1	27.01	27.01	35.460	23.063	479.5		4.92	108.0	2.0	0.12	0.1	0.00	0.01	0.01	1	
1	21	27.00						4.90		1.0	0.13	0.0	0.00	0.01	0.00	21	
1	31	27.02						4.92		1.0	0.10	0.0	0.00	0.01	0.01	31	
1	41	27.01						4.92		1.0	0.10	0.0	0.00	0.01	0.01	41	
1	46	25.58						5.31		1.0	0.09	0.0	0.00	0.03	0.01	46	
1	61	23.92						5.41		1.0	0.09	0.0	0.00	0.02	0.01	61	
1	66	23.58						5.42		2.0	0.08	0.1	0.00	0.03	0.01	66	
1	71							5.42		1.0	0.10	0.1	0.00	0.03	0.01	72	
1	76	22.98						5.37		2.0	0.11	0.0	0.00	0.02	0.01	77	
1	81							5.32		2.0	0.11	0.0	0.00	0.03	0.02	82	
1	86	22.28						5.38		2.0	0.09	0.0	0.00	0.02	0.03	87	
1	100							5.22		2.0	0.11	0.0	0.00	0.03	0.04	101	
1	110	20.80						5.06		2.0	0.14	0.0	0.00	0.08	0.12	111	
1	124							5.04		3.0	0.16	0.3	0.15	0.10	0.12	125	
1	147	18.79						4.77		3.0	0.28	2.5	0.02	0.05	0.05	148	
1	172							5.18		4.0	0.26	1.7	0.03	0.02	0.04	173	
1	196	17.09						5.16		4.0	0.29	2.4	0.02	0.01	0.03	197	
1	492 A	9.92	9.86	34.214	26.362	176.2		4.57	71.7	25.0	1.34	18.4	0.00			494	

A) THIS DEPTH WAS DETERMINED FROM AN EXTRAPOLATED DEPTH CURVE DUE TO A MALFUNCTION OF THE UNPROTECTED THERMOMETER. THE TEMPERATURE AGREES WITH THAT RECORDED BY THE STD AT THE SAME DEPTH.

RV THOMAS WASHINGTON					TASADAY EXPEDITION LEG III							STATION				9
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
29 50.0 N	179 3.5 E	27/07/73	0742 GMT	1045 m												
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SWA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m		DEG C	DEG C		TRETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	27.10						4.95		3.0		0.1	0.04	0.07	0.02	1
1	22	27.09						4.92		2.0	0.29	0.2	0.03	0.05	0.02	22
1	37	23.45						5.61		3.0	0.53	0.1	0.01	0.04	0.01	37
1	53	22.23						5.59		3.0	0.13	0.2	0.02	0.04	0.01	53
1	58	21.76						5.54		3.0	0.46	0.2	0.01	0.04	0.01	58
1	63	21.28						5.58		4.0	0.29	0.2	0.02	0.05	0.01	63
1	68	21.04						5.52		5.0	0.10	0.1	0.02	0.04	0.01	69
1	73							5.61		4.0	0.09	0.1	0.01	0.05	0.01	74
1	78													0.07	0.02	79
1	83	19.46						5.88		5.0	0.11	0.1	0.02	0.06	0.02	84
1	88													0.07	0.02	89
1	92							5.96		5.0	0.09	0.1	0.00	0.07	0.02	93
1	97													0.08	0.03	98
1	102	18.09						5.84		4.0	0.42	0.0	0.01	0.10	0.05	103
1	107													0.11	0.06	108
1	112							5.97		5.0	0.16	0.1	0.00	0.11	0.07	113
1	116													0.11	0.08	117
1	121	16.99						5.84		5.0	0.15	0.1	0.02	0.10	0.09	122
1	126							5.40		6.0	0.37	1.7	0.06	0.16	0.19	127
1	131	16.74						5.32		5.0	0.30	2.2	0.08	0.18	0.23	132
1	140							5.42		6.0	0.33	2.2	0.14	0.18	0.18	141
1	149	16.36						5.56		6.0	0.42	2.0	0.16	0.15	0.17	150
1	174	15.88						5.03		8.0	0.44	3.7	0.01	0.08	0.09	175
1	198	15.39												0.03	0.01	200
1	496	8.94														500

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

10

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 0.0 N	177 30.0 E	27/07/73	2247 GMT													
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHEAO	PRESS
m	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	26.87						4.98		3.0	0.16	0.1	0.00	0.03	0.01	1
1	21	26.84						4.93		3.0	0.15	0.1	0.00	0.03	0.01	21
1	36	20.71						5.91		4.0	0.14	0.1	0.00	0.05	0.01	36
1	51	19.39						5.82		3.0	0.11	0.0	0.04	0.05	0.01	51
1	61	18.37						5.89		3.0	0.09	0.0	0.02	0.07	0.02	61
1	71	17.64						5.78		3.0	0.12	0.0	0.06	0.10	0.04	72
1	81	17.10						6.01		4.0	0.16	0.0	0.01	0.12	0.06	82
1	91							5.85		4.0	0.16	0.0	0.00	0.18	0.15	92
1	101	16.41						5.70		4.0	0.21	0.4	0.06	0.16	0.21	102
1	106							5.60		5.0	0.26	1.4	0.25	0.14	0.21	107
1	111	16.11						5.46		5.0	0.27	2.2	0.30	0.12	0.20	112
1	116							5.49		5.0	0.29	2.5	0.47	0.11	0.16	117
1	121	15.89						5.44		5.0	0.32	2.9	0.45	0.08	0.13	122
1	131	15.72						5.36		5.0	0.38	3.9	0.19	0.07	0.11	132
1	141	15.55						5.32		6.0	0.40	4.5	0.04	0.07	0.09	142
1	150	15.37						5.64		6.0	0.41	4.4	0.04	0.06	0.07	151
1	174	14.93						5.40		7.0	0.48	5.3	0.02	0.02	0.02	175
1	198	14.63						5.28		8.0	0.54	6.3	0.01	0.01	0.01	199

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

11

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 2.0 N	174 59.5 E	28/07/73	1005 GMT													
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SiO3	PO4	NO3	NO2	CHL-A	PHEAO	PRESS
m	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	27.58	27.58	35.322	22.776	507.0		4.82	106.7	1.0	0.07	0.1	0.00	0.02	0.01	1
1	23	27.56						4.82		1.0	0.07	0.1	0.00	0.02	0.01	23
1	43	27.53						4.86		1.0	0.11	0.2	0.02	0.02	0.01	43
1	63	24.91						5.44		1.0	0.10	0.2	0.01	0.04	0.01	63
1	73	23.86						5.37		2.0	0.09	0.3	0.00			74
1	78	23.54						5.50		2.0	0.10	0.1	0.05	0.04	0.02	79
1	82	22.18						5.68		2.0	0.10	0.1	0.00	0.06	0.02	83
1	87							5.60		2.0	0.10	0.1	0.01	0.06	0.02	88
1	91	21.33						5.56		2.0	0.11	0.1	0.00	0.07	0.02	92
1	96							5.45		2.0	0.10	0.1	0.03	0.05	0.02	97
1	100	20.73						5.52		2.0	0.13	0.0	0.00	0.09	0.04	101
1	105							5.59		3.0	0.13	0.0	0.01	0.09	0.06	106
1	109	19.88						5.50		3.0	0.13	0.1	0.00	0.10	0.06	110
1	118							5.46		3.0	0.14	0.0	0.03	0.11	0.13	119
1	127	18.63						5.42		3.0	0.15	0.0	0.05	0.10	0.20	128
1	147							5.64		3.0	0.16	0.0	0.05	0.05	0.07	148
1	171	16.92						5.13		4.0	0.27	3.1	0.06	0.03	0.06	172
1	195							4.57		5.0	0.38	5.2	0.14	0.01	0.02	196
1	492	9.56	9.50	34.200	26.411	171.3										494

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

12

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28	0.5 N	172 29.0 E	28/07/73	2302 GMT	6505 m											
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHEAO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	27.62	27.62	35.345	22.780	506.6				1.0	0.10	0.2	0.01	0.03	0.01	1
1	21	27.60								1.0	0.09	0.1	0.06	0.03	0.01	21
1	42	22.62						2.0		2.0	0.08	0.2	0.00	0.05	0.01	42
1	62	19.70						3.0		3.0	0.09	0.2	0.01	0.07	0.02	62
1	77	18.93						3.0		3.0	0.10	0.2	0.00	0.07	0.02	78
1	91	18.06						3.0		3.0	0.14	0.7	0.06	0.19	0.17	92
1	101	17.40						3.0		3.0	0.13	0.2	0.00	0.13	0.13	102
1	111							3.0		3.0	0.15	0.2	0.08	0.14	0.20	112
1	116	16.85						4.0		4.0	0.16	0.5	0.13	0.12	0.19	117
1	121							4.0		4.0	0.18	1.1	0.31	0.10	0.21	122
1	125	16.57						4.0		4.0	0.18	1.6	0.44	0.08	0.15	126
1	130							4.0		4.0	0.26	3.0	0.23	0.06	0.13	131
1	135	16.41						4.0		4.0	0.27	3.1	0.17	0.06	0.12	136
1	140							5.0		5.0	0.30	3.4	0.07	0.06	0.10	141
1	145	16.31						5.0		5.0	0.32	3.9	0.04	0.04	0.08	146
1	149							5.0		5.0	0.38	4.8	0.06	0.02	0.03	150
1	174	15.90						5.0		5.0	0.40	4.9	0.04	0.02	0.03	175
1	198	15.50						6.0		6.0	0.46	5.8	0.01	0.01	0.01	199
1	496	9.51	9.45	34.216	26.431	169.3				28.0	1.30	19.0	0.00			498

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG III										STATION 13			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 1.5 N	169 59.5 E	29/07/73	1322 GMT														
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHEO ug/l	PRESS db	
1	1	27.04	27.04	34.952	22.671	517.0		4.86	106.4	3.0	0.09	0.0	0.00	0.03	0.01	1	
1	21	27.03						4.87		3.0	0.07	0.0	0.00	0.02	0.01	21	
1	41	23.06						5.68		3.0	0.08	0.0	0.06	0.04	0.01	41	
1	61	19.01						5.85		3.0	0.12	0.0	0.00	0.06	0.02	61	
1	76	17.82						5.77		3.0	0.11	0.0	0.00	0.10	0.06	77	
1	86	17.14						6.00		3.0	0.10	0.0	0.00	0.15	0.09	87	
1	91	17.04						5.91		3.0	0.12	0.0	0.05	0.16	0.15	92	
1	96							5.75		3.0	0.11	0.0	0.18	0.23	0.22	97	
1	101	16.87						5.51		4.0	0.13	1.0	0.32	0.22	0.23	102	
1	106							5.60		4.0	0.13	1.2	0.31	0.19	0.22	107	
1	111	16.55						5.48		4.0	0.21	2.6	0.15	0.15	0.18	112	
1	116							5.56 A		4.0	0.26	3.4	0.09	0.13	0.13	117	
1	121	16.45						5.38		4.0	0.28	3.6	0.04	0.10	0.13	122	
1	126							5.37		4.0	0.29	3.7	0.06	0.09	0.11	127	
1	131	16.32						5.35		5.0	0.27	3.9	0.06	0.06	0.08	132	
1	146							5.42		5.0	0.27	3.6	0.03	0.04	0.04	147	
1	167	15.96						5.10		6.0	0.41	5.5	0.01	0.02	0.02	168	
1	202	15.53						5.06		7.0	0.46	6.5	0.01	0.00	0.01	204	
1	500	9.43	9.37	34.204	26.435	169.0										502	

A) THIS OXYGEN SAMPLE CONTAINED A BUBBLE.

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG III										STATION 14			
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE				
28 0.0 N	167 31.5 E	30/07/73	0847 GMT														
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA TBETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db	
1	1	27.45	27.45	35.172	22.705	513.8		4.86	107.2	2.0	0.17	0.1	0.03	0.03	0.01	1	
1	22	27.40						4.87		2.0	0.11	0.1	0.00	0.03	0.01	22	
1	43	21.92						5.73		3.0	0.09	0.1	0.00	0.06	0.01	43	
1	63	20.13						5.73		3.0	0.09	0.1	0.00	0.07	0.01	63	
1	78	18.75						5.67		3.0	0.11	0.1	0.00	0.09	0.04	79	
1	88	18.18						5.61		3.0	0.11	0.0	0.00	0.11	0.06	89	
1	93	17.88						5.68		3.0	0.15	0.1	0.00	0.12	0.11	94	
1	97							5.64		3.0	0.14	0.0	0.00	0.13	0.17	98	
1	102	17.44						5.60		3.0	0.12	0.1	0.03	0.20	0.24	103	
1	107							5.56		3.0	0.15	0.2	0.10	0.18	0.26	108	
1	112	16.98						5.49		4.0	0.17	0.9	0.22	0.13	0.19	113	
1	116							5.45		4.0	0.22	1.8	0.15	0.10	0.16	117	
1	121	16.63						5.46		4.0	0.26	2.6	0.02	0.07	0.14	122	
1	126							5.45		4.0	0.29	2.9	0.00	0.06	0.08	127	
1	130	16.47						5.44		5.0	0.29	3.1	0.00	0.04	0.07	131	
1	150							5.45		5.0	0.31	3.7	0.01	0.03	0.04	151	
1	170	16.23						5.45		5.0	0.31	3.7	0.01	0.01	0.01	171	
1	200							5.39		5.0	0.33	3.9	0.00	0.01	0.01	202	
1	498	10.08	10.02	34.253	26.365	176.2				26.0	1.23	17.6	0.00			500	

RV THOMAS WASHINGTON				TASADAY EXPEDITION LEG III										STATION				15
LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE					
27 59.0 N	164 57.5 E	30/07/73	2116 GMT															
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db		
1	1	27.17	27.17	35.077	22.724	512.0		4.89	107.3	2.0	0.13	0.4	0.00	0.03	0.01	1		
1	21	27.16						4.84		2.0	0.08	0.2	0.00	0.04	0.01	21		
1	42	24.00						5.63		2.0	0.09	0.2	0.04	0.06	0.01	42		
1	62	21.60						5.65		2.0	0.07	0.0	0.00	0.06	0.01	62		
1	77	20.27						5.57		2.0	0.09	0.1	0.00	0.07	0.02	78		
1	86	19.42						5.42		3.0	0.08	0.1	0.00	0.09	0.07	87		
1	91	19.04						5.39		3.0	0.10	0.1	0.03	0.09	0.08	92		
1	96							5.37		3.0	0.11	0.1	0.01	0.10	0.10	97		
1	101	18.31						5.46		3.0	0.13	0.1	0.05	0.18	0.19	102		
1	106									3.0	0.14	0.1	0.06	0.17	0.18	107		
1	111	17.99						5.35		3.0	0.14	0.5	0.08	0.15	0.15	112		
1	116							5.38		3.0	0.16	0.6	0.11	0.12	0.14	117		
1	120	17.56						5.29		3.0	0.18	1.2	0.06	0.08	0.11	121		
1	125							5.31		4.0	0.23	1.4	0.04	0.07	0.11	126		
1	130	17.31						5.29		4.0	0.22	1.8	0.03	0.05	0.08	131		
1	145							5.28		4.0	0.27	2.7	0.04	0.04	0.06	146		
1	169	16.57						5.14					0.02	0.03	0.03	170		
1	199							5.11		5.0	0.36	4.4	0.01	0.01	0.01	200		
1	497	10.32	10.26	34.269	26.337	179.1				25.0	1.21	16.7	0.06			499		

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION 16

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
27 58.5 N	162 28.0 E	31/07/73	0852 GMT													
CST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	1	27.38	27.38	34.932	22.547	528.9		4.85	106.8	1.0		0.0	0.00	0.02	0.01	1
1	21	27.33						4.86		0.0		0.0	0.00	0.03	0.01	21
1	41	24.66						5.49		1.0		0.0	0.00	0.05	0.01	41
1	61	22.32						5.67		1.0		0.0	0.00	0.06	0.02	61
1	76	21.13						5.68		1.0		0.0	0.00	0.09	0.02	77
1	86	20.35						5.71		3.0		0.2	0.00	0.11	0.05	87
1	91	20.09						5.69		3.0		0.3	0.00	0.11	0.05	92
1	96							5.67		3.0		0.3	0.00	0.13	0.07	97
1	101	19.52						5.65		3.0		0.4	0.00	0.13	0.08	102
1	106							5.64		4.0		0.4	0.00	0.14	0.08	107
1	111	19.05						5.79		3.0		0.1	0.00	0.15	0.09	112
1	116							5.33		4.0		0.3	0.00	0.14	0.11	117
1	121	18.84						5.62		4.0		0.0	0.00	0.13	0.12	122
1	125							5.55		3.0		0.0	0.00	0.08	0.13	126
1	130	18.04						5.56		3.0		0.0	0.06	0.09	0.13	131
1	145							5.44		4.0		0.8	0.00	0.06	0.13	146
1	170	16.82						5.27		4.0		2.7	0.00	0.04	0.07	171
1	199							5.32		5.0		3.6	0.03	0.01	0.02	200
1	492	10.94	10.88	34.301	26.253	187.5				21.0		14.1	0.00			494

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION 17

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28	1.5 N	160 0.5 E	31/07/73	2338 GMT												
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	26.90	26.90	34.557	22.418	541.2		4.87	106.1	3.0	0.12	0.1	0.01	0.04	0.01	1
1	21	26.78						4.93		2.0	0.08	0.0	0.00	0.04	0.01	21
1	42	21.00						5.92		3.0	0.09	0.0	0.00	0.05	0.01	42
1	61	19.32						5.84		3.0	0.09	0.1	0.00	0.04	0.01	61
1	76	18.41						5.79		3.0	0.10	0.0	0.00	0.08	0.05	77
1	86	18.20						5.77		3.0	0.11	0.4	0.00	0.16	0.14	87
1	90	18.08						5.77		3.0	0.13	0.3	0.04	0.23	0.17	91
1	95							5.76		3.0	0.16	0.6	0.09	0.20	0.16	96
1	100	17.70						5.27		3.0	0.18	1.4	0.04	0.18	0.16	101
1	104							5.09		3.0	0.21	1.7	0.06	0.14	0.15	105
1	109	17.20						5.13		3.0	0.22	2.3	0.06	0.11	0.13	110
1	114							4.98		4.0	0.23	2.3	0.02	0.10	0.11	115
1	118	16.98						5.00		4.0	0.22	2.5	0.05	0.09	0.12	119
1	123							5.07		4.0	0.24	2.7	0.03	0.08	0.12	124
1	128	16.82						5.10		4.0	0.25	2.9	0.07	0.08	0.13	129
1	143							5.33		4.0	0.26	3.3	0.05	0.05	0.08	144
1	168	16.42						5.28		4.0	0.31	3.5	0.01	0.02	0.01	169
1	197							4.78 U		5.0	0.37	4.5	0.02	0.00	0.01	198
1	490	9.98	9.92	34.244	26.375	175.0				28.0	1.28	17.5	0.01			492

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION 18

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 13.0 N	159 53.0 E	01/08/73	0338 GMT													
CST	DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	0	26.99						3.71		3.0	0.11	0.3	0.00	0.04	0.01	0
1	20	26.38						3.76		3.0	0.08	0.3	0.00	0.03	0.01	20
1	40	20.49						5.92		3.0	0.09	0.3	0.00	0.05	0.02	40
1	60	18.75						5.64		3.0	0.11	0.3	0.00	0.06	0.03	60
1	70	18.46						5.51		3.0	0.11	0.2	0.00	0.07	0.03	71
1	80	18.11						5.37		3.0	0.11	0.2	0.00	0.08	0.04	81
1	85	17.85						5.29		4.0	0.12	0.2	0.00	0.09	0.05	86
1	90							5.28		3.0	0.12	0.3	0.00	0.12	0.09	91
1	95	17.63						5.18		4.0	0.18	1.1	0.06	0.23	0.18	96
1	100							5.20		4.0	0.24	2.2	0.09	0.19	0.19	101
1	104	17.40						5.22		4.0	0.25	2.5	0.09	0.21	0.19	105
1	109							5.20		4.0	0.33	3.8	0.07	0.11	0.14	110
1	114	17.13						5.25		5.0	0.35	3.8	0.07	0.10	0.15	115
1	119							5.24		5.0	0.34	3.8	0.04	0.08	0.12	120
1	124	16.88						5.31		5.0	0.33	4.1	0.03	0.07	0.13	125
1	138							5.32		4.0	0.32	3.8	0.03	0.05	0.09	139
1	162	16.46						5.33		5.0	0.33	4.3	0.01	0.02	0.02	163
1	292	14.61						5.19		11.0	0.69	9.3	0.01	0.00	0.01	294
1	492	9.77						0.00		29.0	1.41	18.0	0.02			496

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

19

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 10.0 N		160 1.0 E	01/08/73	0818 GMT												
CAST	DEPTH	TEMP	POT	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	27.03	27.03	34.581	22.395	543.4		4.88	106.6	2.0	0.12	0.1	0.00	0.04	0.01	1
1	21	26.95						4.90		2.0	0.10	0.0	0.00	0.03	0.01	21
1	41	21.00						5.83		2.0	0.08	0.1	0.00	0.05	0.01	41
1	61	19.18						5.65		3.0	0.10	0.0	0.01	0.08	0.01	61
1	70	18.44						5.53		3.0	0.11	0.0	0.01	0.10	0.06	71
1	80	17.73						5.77		4.0	0.13	0.0	0.00	0.13	0.09	81
1	85	17.52						5.79		5.0	0.11	0.0	0.00	0.14	0.10	86
1	90							5.74		3.0	0.10	0.1	0.00	0.15	0.13	91
1	94	17.33						5.69		4.0	0.11	0.1	0.02	0.15	0.14	95
1	99							5.44		3.0	0.16	0.8	0.15	0.12	0.12	100
1	104	17.17						5.14		4.0	0.22	2.3	0.19	0.09	0.13	105
1	109							5.09		5.0	0.26	2.8	0.15	0.08	0.15	110
1	114	17.03						5.18		4.0	0.26	2.7	0.14	0.08	0.13	115
1	118							5.16		4.0	0.26	2.8	0.13	0.07	0.13	119
1	123	16.89						5.12		5.0	0.57 U	3.2	0.07	0.08	0.12	124
1	137							5.04		5.0	0.70 U	3.6	0.04	0.04	0.07	138
1	161	16.51						4.95 U		5.0	0.41	4.2	0.04	0.02	0.05	162
1	194							5.07		8.0	0.48	5.0	0.02	0.00	0.01	195
1	488	9.73	9.67	34.238	26.412	171.2				30.0	1.37	18.2	0.00			490

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

20

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
27 58.0 N	160 1.0 E	01/08/73	1612 GMT													
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	M	DEG C	DEG C		THETA			ML/L	PCT	UM/L	UM/L	UM/L	UM/L	UG/L	UG/L	DB
1	0	27.00	27.00	34.586	22.408	542.1		4.85	105.9	3.0		0.0	0.02	0.02	0.01	0
1	20	26.97						4.92		2.0		0.0	0.01	0.03	0.01	20
1	40	20.62						5.93		3.0		0.0	0.06	0.05	0.00	40
1	60	18.99						5.67		3.0		0.3	0.00	0.05	0.02	60
1	70	18.51						5.48		3.0		0.1	0.00	0.07	0.03	71
1	80	18.28						5.40		3.0		0.0	0.00	0.11	0.07	81
1	85	18.15						5.38		3.0		0.0	0.00	0.17	0.12	86
1	90							5.25		3.0		0.7	0.05	0.19	0.14	91
1	95	17.69						5.24		4.0		1.6	0.09	0.16	0.16	96
1	100							5.25		4.0		2.0	0.06	0.15	0.16	101
1	105	17.23						5.25		4.0		2.9	0.07	0.14	0.14	106
1	110							5.34		4.0		2.6	0.06	0.12	0.14	111
1	115	17.00						5.26		4.0		3.0	0.02			116
1	120							5.29		4.0		3.1	0.02	0.06	0.13	121
1	125	16.78						5.29		4.0		3.4	0.07	0.07	0.09	126
1	139							5.29		5.0		3.5	0.04	0.04	0.06	140
1	164	16.47						5.32		5.0		4.2	0.00	0.02	0.02	165
1	199							5.29		5.0		4.9	0.02	0.00	0.01	200
1	498	9.73	9.67	34.243	26.416	171.1				30.0		18.2	0.00			500

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

21

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
28 0.0 N	157 29.5 E	02/08/73	0617 GMT													
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	26.37	26.37	34.314	22.402	542.6		4.96	107.0	3.0		0.0	0.08	0.04	0.01	0
1	20	23.87						5.36		3.0		0.0	0.00	0.04	0.01	20
1	39	19.29						5.93		3.0		0.0	0.00	0.06	0.02	39
1	60	18.02						5.76		3.0		0.0	0.01	0.08	0.04	60
1	70	17.67						5.69		3.0		0.0	0.08	0.14	0.09	71
1	80	17.40						5.63		3.0		0.0	0.00	0.13	0.13	81
1	85	17.33						5.44		4.0		1.0	0.00	0.16	0.17	86
1	90							5.35		4.0		1.8	0.07	0.17	0.14	91
1	95	17.23						5.15		5.0		2.6	0.05	0.11	0.13	96
1	100							5.29		4.0		2.5	0.01	0.10	0.12	101
1	105	17.01						5.21		4.0		2.9	0.11	0.08	0.12	106
1	110							5.20		4.0		2.9	0.00	0.08	0.10	111
1	115	16.95						5.05		4.0		3.6	0.10	0.06	0.08	116
1	120							5.00		4.0		3.4	0.00	0.05	0.06	121
1	125	16.77						5.10		5.0		3.7	0.05	0.04	0.05	126
1	140							5.28		5.0		3.1	0.00	0.03	0.02	141
1	164	16.45						5.34		5.0		3.1	0.01	0.01	0.01	165
1	199							5.28		5.0		3.7	0.00	0.00	0.00	200
1	500	9.95	9.89	34.260	26.393	173.5				37.0		17.7	0.00			502

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION 22

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
27 59.5 N		155 1.0 E	02/08/73	1731 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	27.65						4.86		2.0	0.13	0.3	0.05	0.02	0.01	1
1	21	27.64						4.81		2.0	0.12	0.3	0.00	0.03	0.01	21
1	41	23.39								2.0	0.09	0.3	0.00	0.05	0.01	41
1	61	20.96						5.50		2.0	0.09	0.3	0.00	0.06	0.02	61
1	71	20.30						5.33		2.0	0.08	0.3	0.00	0.07	0.03	72
1	76	20.18						5.32		2.0	0.08	0.2	0.00	0.06	0.03	77
1	81	19.80						5.25		2.0	0.09	0.2	0.00	0.08	0.06	82
1	86							5.21		2.0	0.09	0.2	0.00	0.07	0.07	87
1	91	19.45						5.20		3.0	0.10	0.2	0.00	0.09	0.09	92
1	96							5.33		3.0	0.10	0.1	0.07	0.11	0.09	97
1	101	18.78												0.11	0.11	102

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION 23

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 0.0 N		152 31.5 E	03/08/73	0620 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	28.00	28.00	34.93	22.344	548.2		4.80	106.7	2.0	0.12	0.0	0.00	0.02	0.01	0
1	20	27.83						4.80		2.0	0.08	0.0	0.00	0.03	0.01	20
1	40	24.48						5.42		2.0	0.07	0.1	0.00	0.05	0.01	40
1	51	22.05						5.61		2.0	0.07	0.0	0.00	0.05	0.01	51
1	60	21.62						5.57		4.0	0.08	0.1	0.00	0.05	0.01	60
1	65	21.31						5.54		3.0	0.07	0.0	0.00	0.05	0.01	65
1	70	20.95						5.52		3.0	0.08	0.0	0.02	0.06	0.01	71
1	75													0.06	0.01	76
1	79							5.54		3.0	0.07	0.0	0.00	0.06	0.02	80
1	84	19.88						5.46		3.0	0.14	0.1	0.00	0.06	0.02	85
1	89													0.07	0.03	90
1	94							5.36		3.0	0.11	0.0	0.00	0.08	0.04	95
1	99	19.35						5.35		3.0	0.09	0.1	0.00	0.07	0.06	100
1	104													0.09	0.09	105
1	108							5.40		4.0	0.11	0.1	0.00	0.11	0.10	109
1	112	18.42						5.32		4.0	0.10	0.3	0.13	0.14	0.15	113
1	117													0.13	0.15	118
1	122							5.26		3.0	0.14	1.0	0.15	0.12	0.14	123
1	126	18.20						5.26		3.0	0.16	1.4	0.12	0.11	0.12	127
1	132													0.08	0.12	133
1	136							5.25		4.0	0.19	1.9	0.06	0.08	0.13	137
1	145	17.93						5.24		4.0	0.20	1.5	0.06	0.07	0.11	146
1	169							5.22		5.0		2.8	0.05	0.05	0.06	170
1	193									4.0		2.9	0.00	0.04	0.04	194
1	416 P	12.88	12.82	34.40	26.036	207.9				16.0		10.2	0.00			418

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION 24

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28 0.0 N	150 0.0 E	03/08/73	1749 GMT												
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	26.35	26.35	34.668	22.675	516.5	4.94	106.7	2.0		0.0	0.01	0.03	0.01	0
1	21	26.34					4.94		2.0		0.0	0.00	0.03	0.01	21
1	42	24.83					5.15		2.0		0.0	0.00	0.04	0.01	42
1	62	21.02					5.62		1.0		0.0	0.00	0.06	0.02	62
1	72	20.45					5.54		2.0		0.0	0.04	0.06	0.02	73
1	82	19.55					5.48		2.0		0.0	0.00	0.08	0.04	83
1	91	18.99					5.44		3.0		0.2	0.00	0.10	0.09	92
1	96						5.43		3.0		0.0	0.00	0.14	0.18	97
1	101	18.43					5.34		2.0		0.1	0.11	0.20	0.24	102
1	106						5.27		2.0		0.7	0.15	0.17	0.20	107
1	111	18.06					5.18		3.0		1.4	0.09	0.14	0.16	112
1	115						5.09		3.0		2.3	0.10	0.09	0.15	116
1	120	17.90					5.06		3.0		2.4	0.04	0.07	0.11	121
1	125						5.02		3.0		2.5	0.04	0.07	0.10	126
1	129	17.62					5.07		3.0		2.7	0.04	0.05	0.07	130
1	148						5.17		3.0		3.0	0.02	0.03	0.04	149
1	173	17.09					5.24		4.0		3.0	0.05	0.03	0.04	174
1	197						4.83		4.0		3.3	0.01	0.01	0.02	198
1	498	12.23	12.16	34.423	26.110	202.5			18.0		12.9	0.00			500

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

25

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL		CLD AMT	TYPE
28 0.0 N		147 32.0 E	04/08/73	0616 GMT	3301 m											
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	2	27.79	27.79	34.866	22.365	546.3		4.80	106.3	2.0	0.09	0.1	0.02	0.03	0.01	2
1	22	26.81						4.88		2.0	0.08	0.1	0.02	0.03	0.01	22
1	42	23.06						5.46		2.0	0.07	0.2	0.02	0.04	0.01	42
1	61	20.46						5.43		2.0	0.08	0.2	0.02	0.06	0.04	61
1	71	19.71						5.45		3.0	0.08	0.3	0.02	0.09	0.06	72
1	81	19.31						5.34		3.0	0.10	0.3	0.04	0.20	0.18	82
1	91	19.05						5.26		2.0	0.11	0.3	0.15	0.28	0.21	92
1	95							5.19		3.0	0.14	0.9	0.20	0.23	0.22	96
1	100	18.78						5.04		4.0	0.15	2.1	0.11	0.14	0.19	101
1	105							4.99		3.0	0.16	2.3	0.07	0.12	0.11	106
1	110	18.46						5.03		4.0	0.17	2.5	0.07	0.10	0.12	111
1	115							5.04		4.0	0.20	2.5	0.10	0.11	0.13	116
1	119	18.34						5.02		4.0	0.19	2.7	0.10	0.10	0.14	120
1	124							5.02		5.0	0.22	3.0	0.06	0.07	0.10	125
1	129	18.08						5.00		4.0	0.22	3.1	0.06	0.07	0.09	130
1	149							5.02		5.0	0.25	3.3	0.06	0.02	0.03	150
1	173	17.39						5.03		5.0	0.26	3.7	0.05	0.01	0.02	174
1	197							5.20		5.0	0.25	3.5	0.05	0.00	0.01	198
1	497	11.04	10.98	34.335	26.262	186.9				25.0	1.04	17.3	0.05			499

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG III

STATION

26

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
28	3.5 N	146 16.0 E	04/08/73	1349 GMT												
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	26.61	26.61	34.587	22.533	530.2		4.90	106.3	1.0	0.16	0.1	0.08	0.03	0.01	1
1	26	23.46						5.36		2.0	0.19	0.2	0.00			26
1	52	21.05						5.49		2.0	0.06	0.2	0.00	0.06	0.03	52
1	72	20.64						5.32		2.0	0.07	0.1	0.00	0.09	0.04	73
1	76	20.43						5.33		2.0	0.09	0.1	0.00	0.08	0.06	77
1	81	20.15						5.33		2.0	0.05	0.1	0.00	0.09	0.06	82
1	86	20.00						5.22		2.0	0.08	0.1	0.00	0.11	0.09	87
1	91							5.24		2.0	0.15	0.1	0.00	0.19	0.19	92
1	96	19.47						5.23		2.0	0.16	0.4	0.05	0.28	0.25	97
1	101							5.20		3.0	0.10	0.6	0.08	0.25	0.21	102
1	105	19.20						5.15		2.0	0.09	1.2	0.06	0.18	0.21	106
1	110							5.09		3.0	0.13	1.6	0.06	0.13	0.16	111
1	115	18.87						5.04		3.0	0.16	1.9	0.05	0.10	0.09	116
1	121							5.04		3.0	0.17	1.9	0.03	0.07	0.10	122
1	131	18.50						5.11		3.0	0.18	2.0	0.01	0.04	0.09	132
1	150							4.88		4.0	0.22	3.5	0.04	0.02	0.02	151
1	175	17.57						5.15		4.0	0.22	3.1	0.02	0.01	0.03	176
1	199							4.61		4.0	0.26	3.8	0.01	0.00	0.01	201
1	496	11.42	11.36	34.375	26.224	190.9	1.790			27.0	1.15	18.1	0.00			498

TASADAY EXPEDITION

LEG IV

The primary mission of Leg IV was to study the flow of the Kuroshio Current over the Izu Ridge. The Ridge presents a major topographic obstacle to flow. The current's path over the Ridge was to be determined by tracking selected isotherms at 200 meters.

TABULATED DATA

Most of the stations on Leg IV consisted of STD lowerings to 1500 meters or less with 5 Nansen bottles on the wire. On some stations deep and shallow lowerings with Nansen bottles varying in number from five to 20 were also made. Salinity corrections to the STD data have been determined from comparison with the Nansen bottle data.

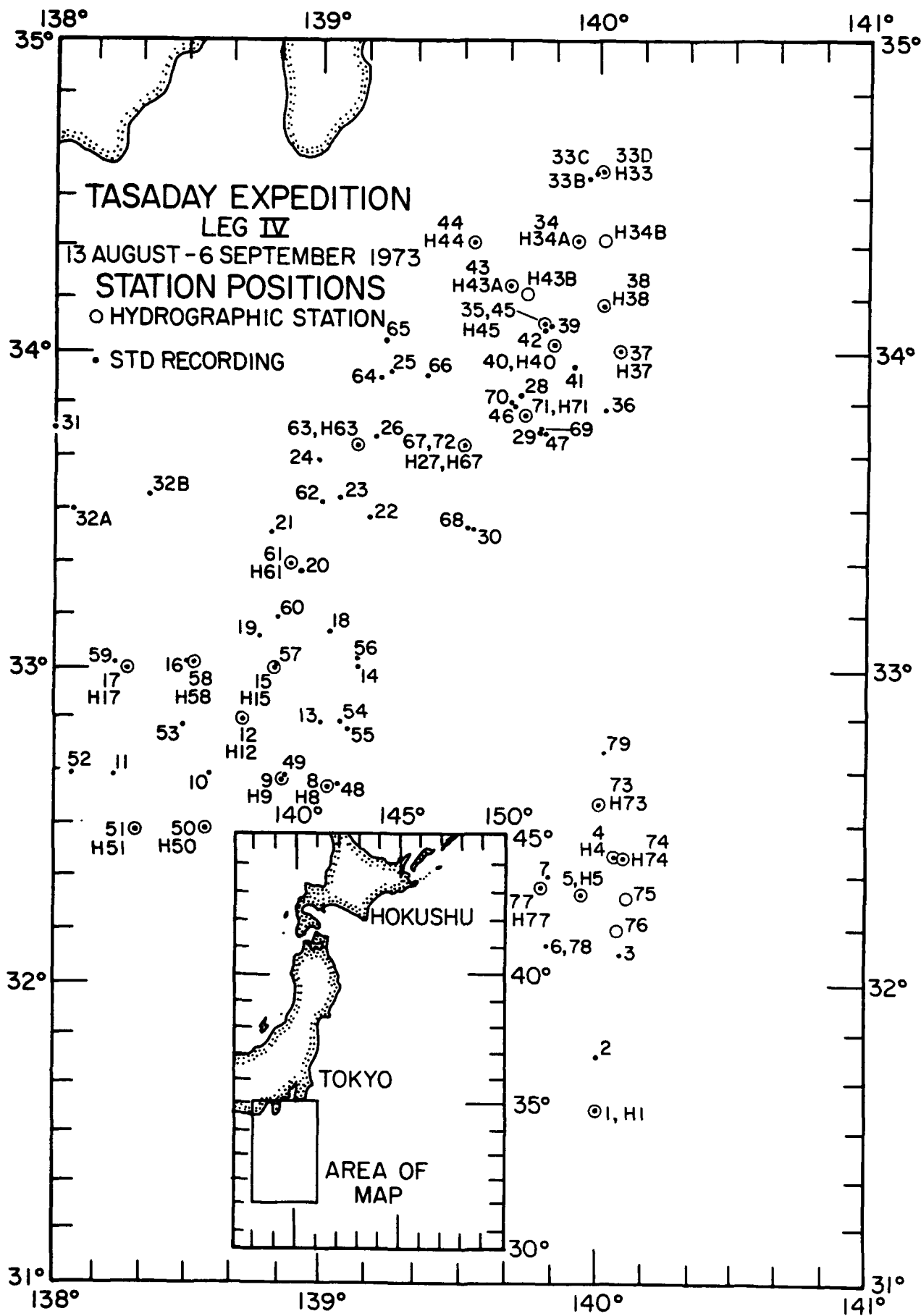
The STD data are tabulated at standard depths. Values in the shallow depths may differ from the hydrographic tabulations due to the length of time between the STD "start down" and the hydrographic "messenger" time.

Temperature, salinity, oxygen, phosphate and silicate at observed depths are tabulated from the Nansen bottle casts.

PUBLICATIONS UTILIZING TASADAY EXPEDITION LEG IV DATA

Freitag, H. P., 1980. The structure and path of the Kuroshio over the Izu Ridge. Msc. Thesis, University of Washington, Seattle.

Taft, B. A. and P. Freitag, 1980. On the flow of the Kuroshio over the Izu Ridge. *in*: The Kuroshio, Proceedings of the Fourth CSK Symposium, Tokyo 1979, pp. 181-200.



TASADAY EXPEDITION LEG IV

STATION POSITIONS

Station Number	Date 1973	Time GMT	Latitude N	Longitude E	Type of Data*
Shakedown	August 13	1927	34°38.0	140°45.5	S
1	17	0619	31°35.5	140°00.0	S
1		0728	31°35.5	140°00.0	H
2		1013	31°46.5	140°00.0	S
3		1432	32°06.5	140°05.5	S
4		1819	32°25.0	140°04.0	S
4		1850	32°25.0	140°04.0	H
5		2240	32°17.5	139°57.0	S
5	17	2352	32°17.5	139°57.0	H
6	18	0335	32°08.0	139°50.0	S
7		0649	32°21.0	139°50.0	S
8		1308	32°38.0	139°02.0	S
8		1412	32°38.0	139°02.0	H
9		1737	32°39.0	138°52.0	S
9		1858	32°39.0	138°52.0	H
10		2231	32°40.0	138°35.5	S
11	19	0350	32°39.5	138°14.5	S
12		0856	32°50.0	138°43.0	S
12		1052	32°50.0	138°43.0	H
13		1418	32°50.0	139°00.0	S
14		1706	33°00.5	139°08.5	S
15		2022	33°00.5	138°50.5	S
15		2157	33°00.5	138°50.5	H
16	20	0211	33°01.0	138°31.5	S
17		0653	32°59.5	138°18.0	S
17		0905	32°59.5	138°18.0	H
18		1754	33°07.5	139°02.0	S
19		2106	33°06.0	138°47.0	S
20	21	0030	33°19.0	138°55.5	S
21		0352	33°26.0	138°49.5	S
22		0746	33°29.0	139°11.0	S
23		1116	33°32.5	139°04.5	S
24		1414	33°39.5	138°59.5	S
25		2245	33°56.0	139°16.0	S
26	22	0755	33°44.0	139°12.5	S
27		1237	33°42.5	139°31.0	H
28		1451	33°51.0	139°44.0	S
29		1722	33°45.0	139°48.0	S
30		2100	33°27.0	139°33.0	S
31	24	0827	33°45.5	138°00.0	S

*S Salinity/Temperature/Depth Recorder

H Hydrographic

32A	August 24	1148	33°30.0	138°04.5	S
32B		1541	33°33.0	138°23.0	S
33B	26	1337	34°33.0	139°58.0	S
33C		1544	34°34.0	139°59.5	S
33D		1820	34°35.0	140°01.0	S
33		1945	34°35.0	140°01.0	H
34		2317	34°21.5	139°56.0	S
34A	27	0024	34°21.5	139°56.0	H
34B		0211	34°22.0	140°01.0	H
35		0440	34°05.5	139°49.0	S
36		0740	33°50.0	140°02.0	S
37		0930	34°00.5	140°05.5	S
37		1014	34°00.5	140°05.5	H
38		1345	34°09.5	140°01.5	S
38		1437	34°09.5	140°01.5	H
39		1919	34°05.5	139°49.5	S
40		2145	34°01.5	139°51.5	S
40		2237	34°01.5	139°51.5	H
41	28	0158	33°57.5	139°55.5	S
42		0454	34°04.5	139°49.0	S
43		0755	34°12.5	139°42.0	S
43A		0836	34°12.5	139°42.0	H
43B		0939	34°11.5	139°45.5	H
44		1137	34°21.0	139°34.0	S
44		1218	34°21.0	139°34.0	H
45		1610	34°05.5	139°49.0	S
45		1718	34°05.5	139°49.0	H
46		2136	33°50.0	139°42.0	S
47	29	0006	33°45.0	139°48.5	S
48		0839	32°38.5	139°04.0	S
49		1125	32°39.5	138°52.0	S
50		1428	32°39.5	138°35.0	S
50		1606	32°39.5	138°35.0	H
51		2032	32°39.0	138°20.0	S
51		2218	32°39.0	138°20.0	H
52	30	0332	32°39.5	138°03.5	S
53		0807	32°49.0	138°29.5	S
54		1209	32°50.0	139°05.0	S
55		1452	32°49.0	139°06.0	S
56		1748	33°02.0	139°09.0	S
57		2102	33°01.0	138°51.0	S
58	31	0046	33°01.0	138°33.0	S
58		0228	33°01.0	138°33.0	H
59		0909	33°01.0	138°16.0	S
60		1451	33°10.0	138°51.0	S
61		1748	33°20.0	138°54.0	S
61		1903	33°20.0	138°54.0	H
62		2256	33°32.0	139°00.5	S
63	September 01	0208	33°42.5	139°08.5	S
63		0312	33°42.5	139°08.5	H

64	September 01	0617	33°55.0	139°14.0	S
65		0807	34°02.0	139°14.0	S
66		1035	33°55.5	139°24.0	S
67		1336	33°42.5	139°31.0	S
67		1441	33°42.5	139°31.0	H
68		1826	33°27.0	139°32.0	S
69		2155	33°45.5	139°48.5	S
70	02	0342	33°50.5	139°41.5	S
71		0551	33°48.0	139°44.5	S
71		0647	33°48.0	139°44.5	H
72		0901	33°42.5	139°31.0	S
73	05	0954	32°35.0	140°00.5	H
73		1133	32°35.0	140°00.5	S
74		1818	32°25.0	140°06.0	S
74		1927	32°25.0	140°06.0	H
75		2256	32°17.0	140°07.0	H
76	06	0507	32°11.0	140°05.0	H
77		0822	32°19.0	139°48.5	S
77		0933	32°19.0	139°48.5	H
78		1200	32°08.0	139°50.0	S
79		1707	32°45.0	140°01.5	S

PERSONNEL

TASADAY EXPEDITION, LEG IV

SHIP'S CAPTAIN

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*Hachijo Jima to Miyake Jima

**Yokohama to Hachijo Jima

STD 1		SHAKEDOWN		RV THOMAS WASHINGTON		TASADAY EXPEDITION LEG IV		STD 1	
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
34 38.0 N	140 45.5 E	13/08/73	1927 GMT	M	31 35.5 N	140 00.0 E	17/08/73	0619 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP
M	DEG C	DEG C		THETA			D.BAR	M	DEG C
0	29.05	29.05	34.16	21.419	636.8	0.000	0	0	27.05
10	28.72	28.72	34.14	21.515	628.1	0.063	10	10	26.99
20	27.84	27.84	34.37	21.977	584.3	0.124	20	20	25.95
30	27.02	27.01	34.64	22.445	540.0	0.180	30	30	25.21
50	24.61	24.60	34.66	23.207	467.9	0.281	50	50	23.64
75	22.62	22.60	34.71	23.828	409.6	0.391	76	75	21.42
100	19.74	19.72	34.66	24.577	339.0	0.484	101	100	20.55
125	17.82	17.80	34.67	25.070	292.6	0.563	126	125	19.88
150	16.81	16.79	34.65	25.297	271.7	0.634	151	150	19.30
200	14.59	14.56	34.55	25.721	232.4	0.760	202	200	17.89
250	11.89	11.86	34.45	26.189	188.3	0.865	252	250	16.68
300	10.16	10.12	34.39	26.455	163.4	0.953	302	300	15.33
400	6.44	6.40	34.23	26.892	121.0	1.095	403	400	12.78
500	5.67	5.63	34.29	27.038	107.8	1.209	504	500	10.75
600	4.79	4.74	34.32	27.166	95.9	1.311	605	600	9.26
700	4.14	4.09	34.37	27.276	85.6	1.402	706	700	6.54
800	3.77	3.71	34.40	27.338	79.9	1.485	807	800	5.51
1000	3.17	3.10	34.45	27.437	71.0	1.636	1009	1000	3.85
1200	2.84	2.76	34.50	27.508	64.9	1.772	1212	1200	3.22
								1384	2.51

STD 2		SHAKEDOWN		RV THOMAS WASHINGTON		TASADAY EXPEDITION LEG IV		STD 3	
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
31 46.5 N	140 00.0 E	17/08/73	1013 GMT	M	32 06.5 N	140 05.5 E	17/08/73	1432 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP
M	DEG C	DEG C		THETA			D.BAR	M	DEG C
0	27.39	27.39	34.66	22.339	548.7	0.000	0	0	27.62
10	27.34	27.34	34.66	22.356	547.6	0.055	10	10	27.62
20	26.93	26.93	34.66	22.487	535.4	0.109	20	20	27.10
30	26.36	26.35	34.64	22.653	520.0	0.162	30	30	26.21
50	23.91	23.90	34.66	23.415	448.0	0.259	50	50	23.23
75	21.78	21.77	34.67	24.034	389.9	0.363	76	75	21.27
100	20.53	20.51	34.80	24.475	348.8	0.456	101	100	20.13
125	19.73	19.71	34.78	24.672	330.8	0.541	126	125	19.50
150	19.04	19.01	34.79	24.858	313.9	0.621	151	150	18.96
200	18.17	18.14	34.79	25.079	294.6	0.773	201	200	18.03
250	17.03	16.99	34.75	25.326	272.5	0.915	252	250	17.28
300	16.06	16.01	34.70	25.515	255.8	1.047	302	300	16.37
400	13.32	13.26	34.53	25.976	213.4	1.282	403	400	14.12
500	10.46	10.40	34.35	26.376	175.7	1.476	504	500	11.33
600	8.02	7.96	34.28	26.715	142.9	1.636	605	600	9.30
700	6.15	6.09	34.28	26.973	117.4	1.766	706	700	6.84
800	5.29	5.22	34.28	27.079	107.3	1.878	807	800	5.46
1000	3.71	3.64	34.36	27.314	83.8	2.069	1009	1000	3.90
1200	3.12	3.03	34.44	27.435	72.5	2.226	1211	1200	3.14
1369	2.60	2.51	34.50	27.530	63.2	2.340	1383	1500	2.40

STD 4		SHAKEDOWN		RV THOMAS WASHINGTON		TASADAY EXPEDITION LEG IV		STD 5	
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
32 25.0 N	140 04.0 E	17/08/73	1819 GMT	M	32 17.5 N	139 57.0 E	17/08/73	2240 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP
M	DEG C	DEG C		THETA			D.BAR	M	DEG C
0	27.12	27.12	34.63	22.403	542.6	0.000	0	0	27.45
10	27.10	27.10	34.62	22.402	543.1	0.054	10	10	27.45
20	26.77	26.77	34.64	22.523	532.0	0.108	20	20	27.24
30	25.63	25.62	34.63	22.873	499.0	0.160	30	30	26.58
50	23.21	23.20	34.73	23.673	423.4	0.252	50	50	22.96
75	22.42	22.40	34.75	23.915	401.3	0.355	76	75	21.71
100	21.04	21.02	34.81	24.345	361.2	0.450	101	100	20.77
125	20.03	20.01	34.83	24.631	334.8	0.537	126	125	19.73
150	19.49	19.46	34.80	24.751	324.3	0.620	151	150	19.07
200	18.34	18.30	34.82	25.060	296.5	0.775	201	200	18.04
250	17.36	17.32	34.78	25.271	277.9	0.918	252	250	17.45
300	16.99	16.94	34.78	25.361	270.9	1.056	302	300	15.93
400	14.69	14.63	34.62	25.760	234.9	1.309	403	400	13.65
500	11.60	11.54	34.41	26.219	191.7	1.522	504	500	11.00
600	9.56	9.49	34.31	26.499	165.3	1.700	605	600	8.84
700	7.03	6.96	34.27	26.849	130.5	1.848	706	700	6.23
800	5.28	5.21	34.27	27.072	107.9	1.967	807	800	4.91
1000	3.99	3.91	34.36	27.286	87.2	2.162	1009	1000	3.76
1200	3.05	2.97	34.45	27.449	71.0	2.321	1212	1200	3.11
								1345	2.71

STD 1		SHAKEDOWN		RV THOMAS WASHINGTON		TASADAY EXPEDITION LEG IV		STD 1	
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM	LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
31 35.5 N	140 00.0 E	17/08/73	0619 GMT	M	31 35.5 N	140 00.0 E	17/08/73	0619 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP
M	DEG C	DEG C		THETA			D.BAR	M	DEG C
0	27.05	27.05	34.61	22.410	541.9	0.000	0	0	27.05
10	26.99	26.99	34.61	22.430	540.5	0.054	10	10	26.99
20	25.95	25.95	34.61	22.758	509.6	0.107	20	20	25.95
30	25.21	25.20	34.65	23.017	485.2	0.156	30	30	25.21
50	23.64	23.63	34.67	23.502	439.7	0.249	50	50	23.64
75	21.42	21.41	34.75	24.194	374.6	0.351	76	75	21.42
100	20.55	20.53	34.78	24.454	350.7	0.441	101	100	20.55
125	19.88	19.86	34.78	24.633	334.6	0.527	126	125	19.88
150	19.30	19.27	34.79	24.792	320.3	0.609	151	150	19.30
200	17.89	17.86	34.77	25.132	289.4	0.761	201	200	17.89
250	16.68	16.64	34.72	25.385	266.7	0.900	252	250	16.68
300	15.33	15.28	34.66	25.648	242.8	1.028	302	300	15.33
400	12.78	12.73	34.49	26.053	205.8	1.252	403	400	12.78
500	10.75	10.69	34.39	26.357	177.8	1.444	504	500	10.75
600	9.26	9.19	34.33	26.563	158.8	1.612	605	600	9.26
700	6.54	6.47	34.24	26.891	125.8	1.754	706	700	6.54
800	5.51	5.44	34.29	27.061	109.4	1.872	807	800	5.51
1000	3.85	3.77	34.35	27.292	86.2	2.068	1009	1000	3.85
1200	3.22	3.13	34.42	27.410	75.2	2.229	1211	1200	3.22
								1384	2.51

STD 6		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR		START TIME	BOTTOM						
32 08.0 N	139 50.0 E	18/08/73		0335 GMT	M						
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	27.45	27.45	34.57	22.252	557.0	0.000	0				
10	27.10	27.10	34.58	22.372	546.0	0.055	10				
20	26.91	26.91	34.61	22.456	538.4	0.109	20				
30	25.89	25.88	34.65	22.807	505.3	0.162	30				
50	24.71	24.70	34.66	23.177	470.8	0.259	50				
75	22.44	22.42	34.77	23.925	400.4	0.368	76				
100	20.88	20.86	34.79	24.373	358.5	0.463	101				
125	20.16	20.14	34.83	24.597	338.0	0.550	126				
150	19.57	19.54	34.80	24.730	326.3	0.633	151				
200	18.14	18.11	34.80	25.094	293.2	0.788	201				
250	17.21	17.17	34.77	25.299	275.2	0.930	252				
300	16.14	16.09	34.71	25.504	256.9	1.063	302				
400	13.82	13.76	34.55	25.890	222.0	1.302	403				
500	11.15	11.09	34.42	26.309	182.7	1.505	504				
600	8.61	8.55	34.31	26.650	149.8	1.671	605				
700	6.37	6.31	34.28	26.945	120.4	1.806	706				
800	5.02	4.95	34.31	27.134	101.6	1.917	807				
1000	3.87	3.79	34.37	27.306	85.0	2.104	1009				
1200	3.20	3.11	34.45	27.436	72.7	2.262	1212				
1281	3.08	2.99	34.46	27.455	71.1	2.320	1294				

TASADAY EXPEDITION LEG IV		STD 7									
LATITUDE	LONGITUDE	DAY/MO/YR		START TIME	BOTTOM						
32 21.0 N	139 50.0 E	18/08/73		0649 GMT	M						
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	27.83	27.83	34.59	22.144	567.4	0.000	0				
10	27.76	27.76	34.60	22.175	564.9	0.057	10				
20	27.45	27.45	34.63	22.298	553.5	0.113	20				
30	26.74	26.73	34.63	22.526	532.2	0.167	30				
50	23.54	23.53	34.74	23.584	431.9	0.263	50				
75	21.96	21.95	34.79	24.075	386.0	0.365	76				
100	20.65	20.63	34.82	24.458	350.4	0.458	101				
125	20.30	20.28	34.82	24.552	342.3	0.544	126				
150	19.61	19.58	34.82	24.735	325.8	0.628	151				
200	18.79	18.75	34.82	24.947	307.3	0.786	201				
250	17.72	17.68	34.78	25.184	286.3	0.934	252				
300	16.77	16.72	34.77	25.405	266.6	1.073	302				
400	14.66	14.60	34.62	25.767	234.3	1.323	403				
500	12.54	12.47	34.50	26.110	202.9	1.542	504				
600	9.23	9.16	34.37	26.599	155.4	1.721	605				
700	6.79	6.72	34.30	26.905	124.8	1.861	706				
800	5.16	5.09	34.30	27.110	104.1	1.975	807				
1000	3.59	3.52	34.39	27.349	80.2	2.160	1009				
1119	3.44	3.36	34.41	27.381	77.9	2.254	1130				

STD 8		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR		START TIME	BOTTOM						
32 38.0 N	139 02.0 E	18/08/73		1308 GMT	M						
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	28.41	28.41	34.52	21.902	590.6	0.000	0				
10	28.40	28.40	34.52	21.906	590.7	0.059	10				
20	28.31	28.31	34.53	21.943	587.5	0.118	20				
30	27.62	27.61	34.54	22.177	565.7	0.176	30				
50	26.08	26.07	34.74	22.818	505.2	0.283	50				
75	24.21	24.19	34.70	23.358	454.6	0.403	76				
100	22.81	22.79	34.80	23.844	409.2	0.511	101				
125	21.98	21.96	34.81	24.087	386.9	0.610	126				
150	20.97	20.94	34.83	24.382	359.7	0.704	151				
200	19.39	19.35	34.83	24.802	321.3	0.874	201				
250	18.87	18.83	34.81	24.922	311.6	1.032	252				
300	17.62	17.57	34.81	25.233	283.4	1.181	302				
400	15.93	15.87	34.72	25.563	254.5	1.450	403				
500	13.93	13.86	34.57	25.885	225.5	1.690	504				
600	10.81	10.74	34.37	26.333	182.5	1.894	605				
700	8.61	8.53	34.30	26.643	152.3	2.061	706				
800	6.26	6.19	34.28	26.960	120.2	2.197	807				
1000	3.76	3.69	34.39	27.333	82.2	2.400	1009				
1172	3.22	3.14	34.45	27.434	72.7	2.533	1183				

TASADAY EXPEDITION LEG IV		STD 9									
LATITUDE	LONGITUDE	DAY/MO/YR		START TIME	BOTTOM						
32 39.0 N	138 52.0 E	18/08/73		1737 GMT	M						
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	28.00	28.00	34.56	22.066	574.8	0.000	0				
10	27.97	27.97	34.57	22.084	573.6	0.057	10				
20	27.98	27.98	34.57	22.082	574.3	0.115	20				
30	27.94	27.93	34.56	22.088	574.2	0.172	30				
50	25.81	25.80	34.61	22.803	506.6	0.280	50				
75	23.32	23.30	34.76	23.665	425.2	0.397	76				
100	22.44	22.42	34.82	23.964	397.7	0.500	101				
125	21.52	21.50	34.82	24.223	373.9	0.596	126				
150	20.92	20.89	34.81	24.380	359.8	0.688	151				
200	19.46	19.42	34.81	24.768	324.5	0.859	201				
250	18.53	18.49	34.81	25.007	303.4	1.016	252				
300	17.59	17.54	34.81	25.240	282.7	1.162	302				
400	15.68	15.62	34.69	25.597	251.1	1.429	403				
500	13.29	13.22	34.53	25.985	215.4	1.663	504				
600	10.21	10.14	34.34	26.413	174.1	1.857	605				
700	8.01	7.94	34.25	26.694	146.6	2.018	706				
800	6.06	5.99	34.29	26.993	116.8	2.149	807				
1000	3.95	3.87	34.37	27.298	85.9	2.352	1009				
1200	3.33	3.24	34.43	27.408	75.7	2.514	1212				
1500	2.57	2.47	34.53	27.557	61.3	2.719	1515				

STD 10		RV THOMAS WASHINGTON						
LATITUDE	LONGITUDE	DAY/MO/YR		START TIME	BOTTOM			
32 40.0 N	138 35.5 E	18/08/73		2231 GMT	M			
DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	PRESS D.BAR	
0	28.05	28.05	34.57	22.057	575.7	0.000	0	
10	28.03	28.03	34.58	22.072	574.7	0.058	10	
20	28.03	28.03	34.58	22.073	575.1	0.115	20	
30	28.01	28.00	34.57	22.073	575.6	0.173	30	
50	27.40	27.39	34.60	22.294	555.3	0.286	50	
75	24.66	24.64	34.70	23.224	467.4	0.413	76	
100	22.87	22.85	34.78	23.811	412.3	0.523	101	
125	21.97	21.95	34.83	24.105	385.2	0.623	126	
150	21.17	21.14	34.82	24.320	365.7	0.717	151	
200	19.38	19.34	34.80	24.781	323.2	0.889	201	
250	18.24	18.20	34.82	25.087	295.7	1.044	252	
300	17.31	17.26	34.80	25.300	276.9	1.187	302	
400	15.83	15.77	34.71	25.578	253.0	1.452	403	
500	13.23	13.16	34.50	25.974	216.4	1.687	504	
600	9.83	9.76	34.30	26.446	170.6	1.880	605	
700	7.87	7.80	34.25	26.715	144.4	2.038	706	
800	6.65	6.57	34.30	26.925	124.3	2.172	807	
1000	4.44	4.36	34.34	27.223	94.1	2.390	1009	
1200	3.42	3.33	34.42	27.391	77.5	2.562	1212	
1500	2.71	2.60	34.50	27.521	65.2	2.766	1515	

STD 12		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 13			
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
32 50.0 N		138 43.0 E		19/08/73		0856 GMT		M		32 50.0 N		139 00.0 E		19/08/73		1418 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS			DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR			M	DEG C	DEG C		THETA			D.BAR		
0	28.47	28.47	34.54	21.897	591.0	0.000	0			0	28.38	28.38	34.55	21.934	587.5	0.000	0		
10	28.46	28.46	34.54	21.901	591.1	0.059	10			10	28.38	28.38	34.55	21.935	587.9	0.059	10		
20	27.99	27.99	34.50	22.026	579.6	0.118	20			20	28.38	28.38	34.55	21.935	588.3	0.118	20		
30	27.50	27.49	34.53	22.208	562.7	0.175	30			30	28.35	28.34	34.55	21.946	587.7	0.176	30		
50	25.64	25.63	34.68	22.909	496.5	0.281	50			50	24.75	24.74	34.67	23.173	471.2	0.282	50		
75	23.19	23.17	34.70	23.657	426.0	0.396	76			75	23.33	23.31	34.83	23.715	420.4	0.394	76		
100	22.31	22.29	34.79	23.978	396.3	0.499	101			100	22.23	22.21	34.81	24.016	392.7	0.495	101		
125	21.40	21.38	34.82	24.256	370.8	0.595	126			125	21.32	21.30	34.82	24.278	368.7	0.591	126		
150	20.33	20.30	34.82	24.546	343.9	0.684	151			150	20.53	20.50	34.82	24.493	349.1	0.680	151		
200	18.77	18.73	34.79	24.929	309.0	0.847	201			200	19.30	19.26	34.82	24.817	319.8	0.847	201		
250	17.92	17.88	34.78	25.135	291.0	0.997	252			250	17.97	17.93	34.75	25.100	294.4	1.001	252		
300	16.99	16.94	34.77	25.353	271.7	1.138	302			300	16.90	16.85	34.77	25.374	269.6	1.142	302		
400	15.25	15.19	34.64	25.654	245.4	1.396	403			400	15.53	15.47	34.69	25.630	247.8	1.401	403		
500	12.52	12.45	34.46	26.083	205.4	1.622	504			500	13.78	13.71	34.57	25.916	222.4	1.636	504		
600	9.85	9.78	34.29	26.435	171.6	1.810	605			600	11.19	11.11	34.38	26.273	188.6	1.841	605		
700	7.80	7.73	34.20	26.686	147.1	1.970	706			700	8.40	8.32	34.26	26.444	151.9	2.012	706		
800	5.81	5.74	34.23	26.977	117.8	2.102	807			800	6.83	6.75	34.24	26.854	131.3	2.153	807		
1000	4.20	4.12	34.33	27.241	91.9	2.312	1009			1000	3.94	3.86	34.36	27.291	86.6	2.371	1009		
1200	3.38	3.29	34.42	27.395	77.0	2.481	1212			1200	3.21	3.12	34.44	27.427	73.6	2.531	1212		
1500	2.62	2.52	34.51	27.537	63.4	2.691	1515			1500	2.51	2.41	34.52	27.554	61.4	2.734	1515		

STD 14		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 15			
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
33 00.5 N		139 08.5 E		19/08/73		1706 GMT		M		33 00.5 N		138 50.5 E		19/08/73		2022 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS			DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR			M	DEG C	DEG C		THETA			D.BAR		
0	28.37	28.37	34.54	21.930	587.9	0.000	0			0	28.33	28.33	34.54	21.943	586.6	0.000	0		
10	28.37	28.37	34.54	21.931	588.3	0.059	10			10	28.32	28.32	34.54	21.947	586.7	0.059	10		
20	28.37	28.37	34.54	21.931	588.7	0.118	20			20	28.32	28.32	34.54	21.948	587.1	0.117	20		
30	28.36	28.35	34.54	21.935	588.8	0.177	30			30	28.32	28.31	34.54	21.949	587.5	0.176	30		
50	26.15	26.14	34.75	22.803	506.6	0.286	50			50	24.52	24.51	34.53	23.136	474.7	0.282	50		
75	24.73	24.71	34.85	23.316	458.6	0.407	76			75	22.97	22.95	34.67	23.698	422.0	0.394	76		
100	23.40	23.38	34.81	23.681	424.8	0.517	101			100	22.07	22.05	34.76	24.023	392.0	0.496	101		
125	22.12	22.10	34.84	24.071	388.5	0.619	126			125	21.15	21.13	34.84	24.339	362.8	0.591	126		
150	21.02	20.99	34.83	24.368	361.0	0.712	151			150	20.19	20.16	34.80	24.568	341.9	0.679	151		
200	19.08	19.04	34.84	24.889	312.9	0.881	201			200	18.56	18.52	34.82	25.005	301.7	0.839	201		
250	18.10	18.06	34.81	25.114	293.1	1.032	252			250	17.58	17.54	34.80	25.233	281.6	0.985	252		
300	17.06	17.01	34.77	25.336	273.3	1.174	302			300	16.69	16.64	34.77	25.423	264.8	1.122	302		
400	15.29	15.23	34.68	25.676	243.4	1.432	403			400	14.78	14.72	34.62	25.741	236.8	1.373	403		
500	12.74	12.67	34.49	26.063	207.5	1.658	504			500	12.24	12.17	34.43	26.114	202.2	1.592	504		
600	9.54	9.47	34.30	26.494	165.7	1.844	605			600	9.41	9.34	34.26	26.484	166.4	1.777	605		
700	7.37	7.30	34.29	26.818	134.0	1.994	706			700	7.11	7.04	34.21	26.791	136.1	1.928	706		
800	5.88	5.81	34.30	27.024	113.6	2.118	807			800	5.28	5.21	34.27	27.072	107.9	2.050	807		
1000	4.13	4.05	34.36	27.272	88.8	2.320	1009			1000	3.81	3.74	34.38	27.320	83.5	2.241	1009		
1200	3.19	3.10	34.45	27.437	72.6	2.482	1212			1200	3.12	3.03	34.45	27.443	71.8	2.397	1212		
1500										1500	2.59	2.49	34.51	27.539	63.0	2.599	1516		

STD 16		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 17			
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
33 01.0 N		138 31.5 E		20/08/73		0211 GMT		M		32 59.5 N		138 18.0 E		20/08/73		0653 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS			DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR			M	DEG C	DEG C		THETA			D.BAR		
0	28.67	28.67	34.55	21.838	596.6	0.000	0			0	28.81	28.81	34.51	21.762	604.0	0.000	0		
10	28.53	28.53	34.54	21.878	593.3	0.059	10			10	28.67	28.67	34.51	21.809	599.9	0.060	10		
20	28.50	28.50	34.55	21.896	592.1	0.119	20			20	28.51	28.51	34.53	21.878	593.8	0.120	20		
30	28.31	28.30	34.56	21.967	585.8	0.178	30			30	28.52	28.51	34.56	21.898	592.4	0.179	30		
50	25.96	25.95	34.76	22.870	500.2	0.286	50			50	26.49	26.48	34.56	22.554	530.5	0.291	50		
75	23.73	23.71	34.79	23.568	434.5	0.403	76			75	24.54	24.52	34.78	23.320	458.2	0.415	76		
100	22.83	22.81	34.84	23.868	406.9	0.508	101			100	22.91	22.89	34.75	23.777	415.5	0.524	101		
125	21.67	21.65	34.83	24.189	377.2	0.606	126			125	21.43	21.41	34.80	24.232	373.0	0.623	126		
150	20.46	20.43	34.85	24.534	345.1	0.697	151			150	20.43	20.40	34.83	24.527	345.8	0.713	151		
200	19.06	19.02	34.82	24.879	313.9	0.861	201			200	18.70	18.66	34.81	24.962	305.9	0.876	201		
250	18.10	18.06	34.81	25.114	293.1	1.013	252			250	17.40	17.36	34.76	25.246	280.3	1.022	252		
300	16.91	16.86	34.76	25.364	270.6	1.154	302			300	16.32	16.27	34.72	25.471	260.1	1.157	302		
400	14.27	14.21	34.58	25.819	229.1	1.404	403			400	13.82	13.76	34.53	25.874	223.5	1.399	403		
500	11.00	10.94	34.35	26.281	185.2	1.611	504			500	11.56	11.50	34.43	26.242	189.5	1.606	504		
600	8.38	8.32	34.23	26.622	152.1	1.780	605			600	8.52	8.46	34.25	26.616	152.8	1.777	605		
700	6.78	6.71	34.25	26.867	128.4	1.920	706			700	7.09	7.02	34.30	26.865	129.1	1.918	706		
800	5.31	5.24	34.25	27.053	109.7	2.039	807			800	5.21	5.14	34.27	27.080	107.0	2.036	807		
1000	3.99	3.91	34.35	27.278	87.9	2.237	1009			1000	3.91	3.83	34.37	27.302	85.5	2.228	1009		
1200	3.31	3.22	34.44	27.417	74.7	2.399	1212			1200	3.18	3.09	34.46	27.445	71.7	2.385	1212		
1500	2.71	2.60	34.50	27.521	65.1	2.609	1516			1500	2.67	2.56	34.52	27.541	63.2	2.588	1516		

STD 18		RV THOMAS WASHINGTON					
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
33 07.5 N	139 02.0 E	20/08/73	1754 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	28.62	28.62	34.54	21.847	595.8	0.000	0
10	28.61	28.61	34.55	21.859	595.1	0.060	10
20	28.61	28.61	34.54	21.852	596.3	0.119	20
30	28.44	28.43	34.53	21.902	592.0	0.179	30
50	26.74	26.73	34.48	22.414	543.8	0.292	50
75	24.25	24.23	34.76	23.392	451.4	0.417	76
100	22.90	22.88	34.77	23.795	413.8	0.525	101
125	21.72	21.70	34.83	24.175	378.5	0.624	126
150	20.79	20.76	34.84	24.438	354.3	0.715	151
200	19.09	19.05	34.84	24.886	313.2	0.882	201
250	17.89	17.85	34.81	25.165	288.1	1.033	252
300	16.71	16.66	34.75	25.403	266.7	1.171	302
400	14.58	14.52	34.63	25.792	231.9	1.421	403
500	11.85	11.78	34.47	26.219	191.9	1.632	504
600	9.04	8.97	34.28	26.559	158.9	1.808	605
700	7.43	7.36	34.32	26.833	132.7	1.954	706
800	5.41	5.34	34.28	27.065	108.8	2.074	807
1000	4.07	3.99	34.37	27.286	87.4	2.271	1009
1200	3.34	3.25	34.44	27.415	75.1	2.433	1212
1500	2.59	2.49	34.53	27.555	61.5	2.638	1516

TASADAY EXPEDITION LEG IV		STD 19					
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
33 06.0 N	138 47.0 E	20/08/73	2106 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	28.62	28.62	34.55	21.855	595.1	0.000	0
10	28.61	28.61	34.55	21.859	595.1	0.060	10
20	28.59	28.59	34.56	21.874	594.2	0.119	20
30	28.49	28.48	34.55	21.900	592.1	0.178	30
50	27.30	27.29	34.63	22.349	550.1	0.293	50
75	24.73	24.71	34.74	23.233	466.6	0.420	76
100	22.80	22.78	34.81	23.854	408.2	0.529	101
125	21.57	21.55	34.82	24.209	375.3	0.627	126
150	20.62	20.59	34.80	24.453	352.8	0.718	151
200	18.62	18.58	34.80	24.974	304.7	0.882	201
250	17.51	17.47	34.78	25.234	281.4	1.029	252
300	16.03	15.98	34.72	25.537	253.7	1.163	302
400	13.58	13.52	34.57	25.954	215.7	1.397	403
500	10.45	10.39	34.33	26.362	176.9	1.594	504
600	8.44	8.38	34.31	26.676	147.2	1.756	605
700	6.84	6.77	34.30	26.898	125.6	1.892	706
800	5.15	5.08	34.29	27.103	104.7	2.007	807
1000	3.83	3.76	34.37	27.310	84.5	2.196	1009
1200	3.24	3.15	34.45	27.432	73.2	2.354	1212
1500	2.68	2.57	34.51	27.532	64.1	2.560	1516

STD 20		RV THOMAS WASHINGTON					
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
33 19.0 N	138 55.5 E	21/08/73	0030 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	28.40	28.40	33.94	21.469	632.0	0.000	0
10	28.29	28.29	34.14	21.656	614.5	0.062	10
20	28.28	28.28	34.35	21.818	599.5	0.123	20
30	28.12	28.11	34.48	21.969	585.5	0.182	30
50	26.32	26.31	34.57	22.615	524.7	0.293	50
75	25.06	25.04	34.71	23.111	478.3	0.419	76
100	23.20	23.18	34.80	23.732	419.9	0.531	101
125	22.51	22.48	34.81	23.938	401.2	0.634	126
150	21.08	21.05	34.78	24.314	366.2	0.730	151
200	18.85	18.81	34.80	24.917	310.2	0.899	201
250	16.56	16.52	34.69	25.390	266.2	1.043	252
300	14.66	14.61	34.60	25.748	233.0	1.168	302
400	11.89	11.84	34.43	26.178	193.3	1.381	403
500	9.39	9.33	34.28	26.579	155.4	1.555	504
600	7.14	7.08	34.33	26.801	133.5	1.699	605
700	5.78	5.72	34.31	27.043	110.3	1.821	706
800	4.66	4.60	34.32	27.182	96.4	1.925	807
1000	3.71	3.64	34.40	27.346	80.9	2.102	1009
1200	3.17	3.08	34.46	27.446	71.6	2.254	1212
1500	2.62	2.52	34.54	27.561	61.2	2.454	1516

TASADAY EXPEDITION LEG IV		STD 21					
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
33 26.0 N	138 49.5 E	21/08/73	0352 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	28.70	28.70	34.04	21.445	634.3	0.000	0
10	28.04	28.04	33.98	21.618	618.2	0.063	10
20	28.08	28.08	34.01	21.628	617.7	0.124	20
30	27.72	27.71	33.99	21.731	608.3	0.186	30
50	24.80	24.79	34.54	23.059	482.1	0.295	50
75	22.43	22.41	34.71	23.882	404.4	0.406	76
100	21.05	21.03	34.79	24.327	362.9	0.501	101
125	20.53	20.51	34.82	24.491	348.2	0.590	126
150	20.14	20.11	34.81	24.589	339.9	0.676	151
200	16.98	16.95	34.70	25.298	273.4	0.830	201
250	15.33	15.29	34.64	25.631	242.8	0.959	252
300	14.48	14.44	34.61	25.794	228.5	1.077	302
400	10.91	10.86	34.43	26.357	175.5	1.279	403
500	7.43	7.38	34.30	26.814	131.0	1.432	504
600	5.99	5.94	34.30	27.008	112.5	1.554	605
700	4.90	4.84	34.32	27.154	98.3	1.659	706
800	4.17	4.11	34.35	27.258	88.3	1.752	807
1000	3.36	3.29	34.43	27.403	74.6	1.915	1009
1200	3.04	2.96	34.48	27.474	68.7	2.059	1212
1500	2.57	2.47	34.54	27.565	60.6	2.252	1516

STD 22		RV THOMAS WASHINGTON					
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
33 29.0 N	139 11.0 E	21/08/73	0746 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	28.89	28.89	34.01	21.360	642.5	0.000	0
10	28.29	28.29	34.06	21.596	620.3	0.063	10
20	28.10	28.10	34.15	21.727	608.3	0.125	20
30	28.17	28.16	34.27	21.795	602.2	0.185	30
50	26.19	26.18	34.39	22.519	533.7	0.299	50
75	24.86	24.84	34.76	23.209	468.9	0.424	76
100	23.01	22.99	34.79	23.779	415.4	0.535	101
125	21.83	21.81	34.82	24.137	382.2	0.634	126
150	20.43	20.40	34.81	24.512	347.2	0.725	151
200	18.33	18.30	34.74	25.001	302.0	0.888	201
250	15.25	15.21	34.65	25.656	240.4	1.023	252
300	14.17	14.13	34.57	25.829	225.0	1.140	302
400	11.61	11.56	34.43	26.230	188.1	1.346	403
500	8.42	8.37	34.29	26.661	146.5	1.514	504
600	6.73	6.67	34.23	26.857	127.8	1.651	605
700	5.33	5.27	34.30	27.089	105.2	1.767	706
800	4.27	4.21	34.36	27.255	88.7	1.864	807
1000	3.75	3.68	34.39	27.334	82.1	2.035	1009
1200	3.00	2.92	34.49	27.486	67.5	2.185	1212
1500	2.53	2.43	34.54	27.568	60.1	2.376	1516

TASADAY EXPEDITION LEG IV		STD 23					
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM			
33 32.5 N	139 04.5 E	21/08/73	1116 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR
0	28.44	28.44	34.04	21.531	626.1	0.000	0
10	28.44	28.44	34.05	21.539	625.7	0.063	10
20	28.16	28.16	34.03	21.617	618.8	0.125	20
30	28.04	28.03	34.05	21.672	614.0	0.186	30
50	26.11	26.10	34.33	22.499	535.7	0.301	50
75	23.46	23.44	34.57	23.481	442.8	0.424	76
100	21.53	21.51	34.64	24.082	386.3	0.527	101
125	20.41	20.39	34.76	24.478	349.5	0.619	126
150	19.71	19.68	34.81	24.701	329.0	0.704	151
200	17.03	17.00	34.74	25.316	271.7	0.854	201
250	15.22	15.18	34.64	25.655	240.5	0.982	252
300	12.43	12.39	34.50	26.126	195.8	1.091	302
400	9.86	9.81	34.39	26.508	160.4	1.270	403
500	7.05	7.00	34.26	26.836	128.5	1.414	504
600	5.92	5.87	34.31	27.024	110.9	1.534	605
700	4.73	4.67	34.35	27.197	94.0	1.636	706
800	4.12	4.06	34.37	27.279	86.2	1.726	807
1000	3.42	3.35	34.42	27.390	76.1	1.889	1009
1200	2.94	2.86	34.49	27.491	66.8	2.031	1212
1500	2.50	2.40	34.54	27.571	59.8	2.221	1516

STD 24		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 25	
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME	BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME	BOTTOM	
33 39.5 N		138 59.5 E		21/08/73		1414 GMT	M		33 56.0 N		139 16.0 E		21/08/73		2245 GMT	M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS
M	DEG C	DEG C		THETA				D.BAR	M	DEG C	DEG C		THETA				D.BAR
0	28.24	28.24	33.99	21.559	623.4	0.000		0	0	26.90	26.90	34.08	22.059	575.5	0.000		0
10	28.25	28.25	33.99	21.557	624.1	0.062	10	10	10	26.85	26.85	34.08	22.075	574.4	0.057	10	10
20	27.46	27.46	34.06	21.866	594.9	0.123	20	20	20	25.84	25.84	34.15	22.445	539.5	0.113	20	20
30	27.24	27.23	34.11	21.975	584.9	0.182	30	30	30	24.23	24.22	34.30	23.047	482.3	0.164	30	30
50	23.62	23.61	34.46	23.349	454.3	0.286	50	50	50	19.08	19.07	34.56	24.668	328.3	0.245	50	50
75	21.30	21.29	34.65	24.151	378.7	0.390	76	76	75	16.50	16.49	34.61	25.336	265.3	0.320	76	76
100	20.05	20.03	34.68	24.511	345.3	0.481	101	101	100	14.51	14.50	34.55	25.735	227.9	0.381	101	101
125	18.65	18.63	34.71	24.895	309.4	0.563	126	126	125	13.09	13.07	34.49	25.984	204.8	0.435	126	126
150	17.28	17.25	34.67	25.201	280.9	0.636	151	151	150	12.12	12.10	34.43	26.128	191.5	0.485	151	151
200	14.09	14.06	34.59	25.858	219.2	0.762	201	201	200	10.77	10.75	34.38	26.339	172.4	0.576	201	201
250	11.88	11.85	34.47	26.207	186.6	0.863	252	252	250	9.66	9.63	34.33	26.491	158.5	0.659	252	252
300	10.03	9.99	34.37	26.461	162.7	0.950	302	302	300	8.58	8.55	34.29	26.633	145.5	0.735	302	302
400	7.83	7.79	34.26	26.724	138.2	1.101	403	403	400	7.01	6.97	34.25	26.832	127.2	0.871	403	403
500	6.78	6.73	34.30	26.904	121.8	1.231	504	504	500	5.83	5.79	34.28	27.011	110.6	0.990	504	504
600	5.47	5.42	34.30	27.071	105.8	1.345	605	605	600	5.01	4.96	34.28	27.109	101.5	1.096	605	605
700	4.32	4.27	34.36	27.249	88.4	1.442	706	706	700	4.30	4.25	34.31	27.212	91.9	1.193	706	706
800	3.90	3.84	34.39	27.317	82.2	1.527	807	807	800	3.87	3.81	34.35	27.288	84.8	1.281	807	807
1000	3.47	3.40	34.43	27.393	75.9	1.685	1009	1009	1000	3.34	3.27	34.40	27.381	76.6	1.442	1009	1009
1200	2.97	2.89	34.50	27.496	66.4	1.827	1212	1212	1094	3.02	2.94	34.44	27.443	70.7	1.512	1104	1104
1500	2.49	2.39	34.56	27.588	58.2	2.014	1516	1516									

STD 26		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 28			
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
33 44.0 N		139 12.5 E		22/08/73		0755 GMT		M		33 51.0 N		139 44.0 E		22/08/73		1451 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS	DEPTH	TEMP
M	DEG C	DEG C		THETA				D.BAR	M	DEG C	DEG C		THETA				D.BAR	M	DEG C
0	28.77	28.77	33.85	21.280	650.2	0.000		0	0	28.45	28.45	34.12	21.588	620.6	0.000		0	0	28.45
10	27.70	27.70	34.03	21.766	604.1	0.063	10	10	10	28.31	28.31	34.17	21.672	613.0	0.062	10	10	10	28.31
20	27.47	27.47	34.05	21.856	595.9	0.123	20	20	20	28.17	28.17	34.22	21.756	605.4	0.123	20	20	20	28.17
30	27.03	27.02	34.16	22.080	574.9	0.181	30	30	30	27.95	27.94	34.19	21.806	601.1	0.183	30	30	30	27.95
50	24.47	24.46	34.40	23.052	482.7	0.287	50	50	50	26.68	26.67	34.12	22.162	567.9	0.300	50	50	50	26.68
75	22.06	22.05	34.72	23.994	393.7	0.397	76	76	75	24.14	24.12	34.61	23.311	459.1	0.428	76	76	75	24.14
100	19.69	19.67	34.74	24.651	331.9	0.487	101	101	100	22.78	22.76	34.69	23.769	416.3	0.538	101	101	100	22.78
125	18.17	18.15	34.73	25.030	296.5	0.566	126	126	125	19.58	19.56	34.60	24.573	340.2	0.632	126	126	125	19.58
150	17.21	17.18	34.65	25.203	280.8	0.638	151	151	150	18.39	18.36	34.71	24.961	304.0	0.713	151	151	150	18.39
200	14.99	14.96	34.65	25.712	233.4	0.767	201	201	200	16.21	16.18	34.68	25.462	257.6	0.853	201	201	200	16.21
250	14.11	14.07	34.58	25.848	221.7	0.880	252	252	250	14.73	14.69	34.61	25.739	232.3	0.976	252	252	250	14.73
300	12.11	12.07	34.49	26.180	190.6	0.983	302	302	300	12.86	12.82	34.52	26.058	202.6	1.084	302	302	300	12.86
400	9.15	9.11	34.36	26.600	151.1	1.154	403	403	400	9.50	9.45	34.35	26.536	157.4	1.264	403	403	400	9.50
500	7.14	7.09	34.29	26.847	127.6	1.294	504	504	500	7.61	7.56	34.24	26.742	138.1	1.412	504	504	500	7.61
600	5.68	5.63	34.31	27.054	107.7	1.411	605	605	600	6.34	6.29	34.29	26.955	117.9	1.540	605	605	600	6.34
700	4.67	4.61	34.33	27.188	94.8	1.512	706	706	700	4.96	4.90	34.33	27.155	98.3	1.648	706	706	700	4.96
800	4.15	4.09	34.37	27.276	86.6	1.603	807	807	800	4.38	4.32	34.36	27.244	90.0	1.742	807	807	800	4.38
1000	3.82	3.76	34.39	27.326	81.8	1.656	871	871	1000	3.53	3.46	34.41	27.371	78.1	1.911	1009	1009	1000	3.53
									1200	2.92	2.84	34.48	27.485	67.3	2.056	1212	1212	1200	2.92
									1300	2.82	2.73	34.50	27.510	65.3	2.122	1313	1313	1300	2.82

STD 29		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 30			
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
33 45.0 N		139 48.0 E		22/08/73		1722 GMT		M		33 27.0 N		139 33.0 E		22/08/73		2100 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS		
M	DEG C	DEG C		THETA				D.BAR	M	DEG C	DEG C		THETA				D.BAR		
0	28.39	28.39	34.10	21.593	620.2	0.000		0	0	28.26	28.26	34.11	21.643	615.4	0.000		0		
10	28.22	28.22	34.08	21.634	616.7	0.062	10	10	10	28.13	28.13	34.17	21.731	607.4	0.061	10	10		
20	28.10	28.10	34.19	21.757	605.4	0.123	20	20	20	28.03	28.03	34.31	21.870	594.6	0.121	20	20		
30	28.04	28.03	34.29	21.852	596.7	0.183	30	30	30	27.91	27.90	34.64	22.158	567.5	0.179	30	30		
50	25.53	25.52	34.56	22.852	501.9	0.293	50	50	50	25.36	25.35	34.67	22.987	489.0	0.285	50	50		
75	23.80	23.78	34.68	23.464	444.4	0.411	76	76	75	23.33	23.31	34.79	23.685	423.3	0.399	76	76		
100	21.98	21.96	34.75	24.040	390.4	0.516	101	101	100	22.39	22.37	34.79	23.956	398.5	0.502	101	101		
125	20.16	20.14	34.77	24.552	342.4	0.607	126	126	125	20.80	20.78	34.83	24.427	354.4	0.596	126	126		
150	19.19	19.16	34.81	24.835	316.2	0.689	151	151	150	19.84	19.81	34.82	24.675	331.6	0.682	151	151		
200	17.71	17.68	34.74	25.153	287.4	0.840	201	201	200	18.32	18.28	34.82	25.065	296.0	0.818	201	201		
250	14.92	14.88	34.62	25.705	235.6	0.971	252	252	250	17.03	16.99	34.77	25.341	271.0	0.980	252	252		
300	14.23	14.19	34.61	25.847	223.3	1.086	302	302	300	16.34	16.29	34.73	25.474	259.9	1.113	302	302		
400	10.90	10.85	34.43	26.359	175.3	1.285	403	403	400	11.63	11.57	34.57	25.944	216.7	1.351	403	403		
500	9.77	9.71	34.38	26.517	161.7	1.454	504	504	500	10.63	10.57	34.40	26.385	174.9	1.547	504	504		
600	7.61	7.55	34.34	26.822	132.3	1.601	605	605	600	8.54	8.48	34.30	26.652	149.5	1.709	605	605		
700	5.47	5.41	34.27	27.048	109.2	1.721	706	706	700	6.65	6.58	34.31	26.932	122.1	1.845	706	706		
800	4.55	4.49	34.34	27.209	93.6	1.823	807	807	800	5.63	5.56	34.33	27.078	108.0	1.960	807	807		
990	3.72	3.65	34.40	27.345	80.9	1.988	999	999	1000	3.89	3.81	34.38	27.312	84.5	2.153	1009	1009		
									1171	3.45	3.36	34.44	27.404	76.2	2.290	1181	1181		

CSTD 31

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STD 32A

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
33 45.5 N	138 00.0 E	24/08/73	0827 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	27.96	27.96	34.20	21.808
10	27.52	27.52	34.22	21.967
20	27.50	27.50	34.39	22.102
30	27.25	27.24	34.51	22.273
50	23.80	23.79	34.55	23.365
75	20.49	20.48	34.71	24.416
100	18.91	18.89	34.65	24.782
125	17.39	17.37	34.64	25.151
150	15.62	15.60	34.62	25.547
200	14.30	14.27	34.56	25.791
250	12.60	12.57	34.46	26.061
300	10.62	10.58	34.38	26.367
400	7.47	7.43	34.29	26.799
500	6.09	6.05	34.27	26.970
600	4.99	4.94	34.30	27.127
700	4.33	4.28	34.35	27.240
800	3.82	3.76	34.38	27.317
1000	3.11	3.04	34.45	27.442
1200	2.78	2.70	34.48	27.497
1497	2.42	2.32	34.54	27.578

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
33 30.0 N	138 04.5 E	24/08/73	1148 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	27.56	27.56	33.80	21.637
10	27.58	27.58	33.83	21.654
20	27.60	27.60	34.05	21.814
30	27.27	27.26	34.10	21.958
50	26.73	26.72	34.58	22.493
75	23.26	23.24	34.59	23.554
100	20.32	20.30	34.72	24.470
125	18.81	18.79	34.69	24.839
150	17.52	17.49	34.66	25.136
200	14.69	14.66	34.60	25.738
250	13.67	13.63	34.56	25.924
300	10.93	10.89	34.43	26.351
400	7.53	7.49	34.30	26.799
500	6.10	6.06	34.30	26.993

STD 32B

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STD 33B

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
33 33.0 N	138 23.0 E	24/08/73	1541 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	27.65	27.65	33.92	21.698
10	27.72	27.72	33.98	21.722
20	27.51	27.51	34.10	21.880
30	27.59	27.58	34.44	22.111
50	26.77	26.76	34.56	22.465
75	22.61	22.59	34.56	23.717
100	20.66	20.64	34.65	24.326
125	18.21	18.19	34.71	25.004
150	17.02	17.00	34.65	25.248
200	15.12	15.09	34.62	25.660
250	13.19	13.16	34.53	25.998
300	10.61	10.57	34.42	26.400
400	7.49	7.45	34.30	26.804
500	5.96	5.92	34.29	27.002
600	5.13	5.08	34.33	27.135
700	4.33	4.28	34.35	27.240
800	3.80	3.74	34.39	27.327
1000	3.22	3.15	34.44	27.424
1200	2.84	2.76	34.49	27.500
1500	2.46	2.36	34.54	27.574

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
34 33.0 N	139 58.0 E	26/08/73	1337 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	24.67	24.67	33.93	22.634
10	24.04	24.04	34.05	22.913
20	22.82	22.82	34.18	23.366
30	21.01	21.00	34.42	24.053
50	18.45	18.44	34.57	24.834
75	16.49	16.48	34.57	25.308
100	15.24	15.22	34.57	25.552
125	14.66	14.64	34.53	25.688
150	13.82	13.80	34.51	25.851
200	12.48	12.45	34.48	26.099
250	11.12	11.09	34.41	26.300
300	9.49	9.46	34.38	26.559
400	7.32	7.28	34.27	26.805
500	5.45	5.41	34.27	27.049
600	4.59	4.54	34.32	27.188
700	4.23	4.18	34.33	27.235
800	3.87	3.81	34.36	27.296
1000	3.30	3.23	34.39	27.377
1200	2.88	2.80	34.46	27.472
1500	2.32	2.22	34.53	27.578

STD 33C

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STD 33D

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
34 34.0 N	139 59.5 E	26/08/73	1544 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	25.19	25.19	34.04	22.560
10	23.06	23.06	34.05	23.198
20	21.42	21.42	34.33	23.872
30	20.33	20.32	34.47	24.273
50	18.05	18.04	34.59	24.949
75	16.19	16.18	34.61	25.408
100	15.43	15.41	34.58	25.557
125	14.53	14.51	34.53	25.716
150	13.67	13.65	34.52	25.890
200	11.87	11.84	34.46	26.200
250	10.35	10.32	34.41	26.437
300	8.67	8.64	34.29	26.620
400	6.35	6.31	34.28	26.944
500	5.42	5.38	34.27	27.052
600	4.82	4.77	34.29	27.138
700	4.44	4.39	34.31	27.197
800	3.97	3.91	34.35	27.278
1000	3.36	3.29	34.40	27.379
1200	2.82	2.74	34.46	27.478
1500	2.36	2.26	34.52	27.566

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
34 35.0 N	140 01.0 E	26/08/73	1820 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	26.30	26.30	33.81	22.044
10	25.65	25.65	33.94	22.345
20	25.28	25.28	34.02	22.519
30	23.78	23.77	34.25	23.142
50	21.17	21.16	34.46	24.041
75	16.79	16.78	34.62	25.276
100	14.88	14.86	34.57	25.671
125	13.97	13.95	34.54	25.842
150	12.51	12.49	34.48	26.091
200	11.39	11.36	34.44	26.273
250	9.28	9.25	34.35	26.569
300	8.07	8.04	34.30	26.718
400	6.39	6.35	34.27	26.931
500	5.60	5.56	34.29	27.047
600	4.83	4.78	34.32	27.161
700	4.01	3.96	34.34	27.266
800	3.72	3.66	34.36	27.311
1000	3.18	3.11	34.40	27.396
1200	2.84	2.76	34.46	27.476
1500	2.38	2.28	34.52	27.565

STD 34		RV THOMAS WASHINGTON							TASADAY EXPEDITION LEG IV							STD 35						
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM				
34 21.5 N		139 56.0 E		26/08/73		2317 GMT		M		34 05.5 N		139 49.0 E		27/08/73		0440 GMT		M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS								DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR								M	DEG C	DEG C		THETA			D.BAR
0	25.78	25.78	34.14	22.455	537.6	0.000	0								0	27.87	27.87	33.71	21.469	632.0	0.000	0
10	25.78	25.78	34.14	22.455	538.0	0.054	10								10	27.93	27.93	34.00	21.669	613.4	0.062	10
20	25.73	25.73	34.14	22.471	536.9	0.108	20								20	27.64	27.64	34.09	21.831	598.3	0.123	20
30	25.65	25.64	34.15	22.504	534.2	0.161	30								30	27.09	27.08	34.16	22.061	576.7	0.182	30
50	24.90	24.89	34.25	22.810	505.9	0.265	50								50	25.88	25.87	34.31	22.555	530.3	0.292	50
75	22.57	22.55	34.39	23.600	431.4	0.382	76								75	23.70	23.68	34.47	23.335	456.8	0.416	76
100	20.87	20.85	34.48	24.140	380.7	0.484	101								100	20.36	20.34	34.66	24.413	354.6	0.517	101
125	17.45	17.43	34.63	25.129	287.0	0.567	126								125	18.70	18.68	34.65	24.836	315.0	0.601	126
150	15.92	15.90	34.60	25.464	255.6	0.635	151								150	17.46	17.43	34.69	25.173	283.6	0.676	151
200	13.29	13.26	34.52	25.969	208.4	0.751	202								200	16.01	15.98	34.64	25.477	256.1	0.811	202
250	11.26	11.23	34.45	26.306	176.9	0.847	252								250	12.95	12.92	34.53	26.046	202.3	0.925	252
300	10.19	10.15	34.37	26.434	165.4	0.933	302								300	12.70	12.66	34.49	26.066	201.7	1.026	302
400	8.02	7.98	34.30	26.727	138.0	1.085	403								400	8.39	8.35	34.34	26.703	140.7	1.197	403
500	6.09	6.05	34.27	26.970	114.8	1.211	504								500	6.79	6.74	34.28	26.887	123.4	1.329	504
600	4.99	4.94	34.28	27.111	101.3	1.319	605								600	5.04	4.99	34.33	27.145	98.2	1.440	605
700	4.51	4.46	34.31	27.189	94.3	1.417	706								700	4.58	4.53	34.32	27.190	94.4	1.537	706
800	4.11	4.05	34.36	27.272	86.8	1.508	807								800	4.02	3.96	34.36	27.281	85.8	1.627	807
1000	3.28	3.21	34.39	27.379	76.7	1.671	1009								1000	3.30	3.23	34.41	27.393	75.4	1.788	1009
1200	2.79	2.71	34.46	27.480	67.3	1.815	1212															
1500	2.41	2.31	34.52	27.562	60.2	2.006	1516															

STD 36		RV THOMAS WASHINGTON					TASADAY EXPEDITION LEG IV					STD 37							
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
33 50.0 N		140 02.0 E		27/08/73		0740 GMT		M		34 00.5 N		140 05.5 E		27/08/73		0930 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS			DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR			M	DEG C	DEG C		THETA			D.BAR		
0	28.07	28.07	34.23	21.795	600.8	0.000	0			0	27.92	27.92	34.15	21.784	601.8	0.000	0		
10	28.05	28.05	34.25	21.817	599.1	0.060	10			10	27.92	27.92	34.16	21.792	601.5	0.060	10		
20	27.98	27.98	34.33	21.901	591.6	0.120	20			20	27.87	27.87	34.16	21.809	600.4	0.120	20		
30	27.82	27.81	34.39	21.999	582.7	0.178	30			30	27.85	27.84	34.16	21.816	600.1	0.180	30		
50	26.02	26.01	34.26	22.474	538.0	0.290	50			50	25.11	25.10	34.28	22.769	509.8	0.291	50		
75	22.07	22.06	34.59	23.892	403.4	0.408	76			75	22.62	22.60	34.55	23.707	421.2	0.408	76		
100	21.29	21.27	34.66	24.163	378.6	0.506	101			100	20.81	20.79	34.70	24.324	363.2	0.506	101		
125	20.09	20.07	34.78	24.578	339.9	0.596	126			125	19.34	19.32	34.75	24.750	323.4	0.592	126		
150	19.46	19.43	34.76	24.728	326.4	0.679	151			150	18.33	18.30	34.74	24.999	300.4	0.669	151		
200	17.81	17.78	34.73	25.121	290.5	0.833	201			200	16.74	16.71	34.78	25.416	262.2	0.810	202		
250	17.12	17.08	34.73	25.289	276.0	0.975	252			250	15.33	15.29	34.65	25.639	242.1	0.936	252		
300	15.93	15.88	34.70	25.545	252.9	1.107	302			300	14.28	14.24	34.57	25.806	227.3	1.054	302		
										400	11.24	11.19	34.41	26.282	182.9	1.259	403		
										500	8.45	8.40	34.27	26.641	148.5	1.424	504		
										600	6.97	6.91	34.29	26.872	126.7	1.562	605		
										700	5.78	5.72	34.26	27.003	114.0	1.682	706		
										800	4.87	4.80	34.31	27.151	99.7	1.789	807		
										1000	3.93	3.85	34.38	27.308	85.0	1.974	1009		
										1088	3.65	3.57	34.42	27.368	79.4	2.046	1098		

STD 38		RV THOMAS WASHINGTON					TASADAY EXPEDITION LEG IV					STD 39			
LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM		LATITUDE		LONGITUDE		DAY/MO/YR	START TIME	BOTTOM	
34 09.5 N		140 01.5 E		27/08/73	1345 GMT	M		34 05.5 N		139 49.5 E		27/08/73	1919 GMT	M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS
M	DEG C	DEG C		THETA			D.BAR	M	DEG C	DEG C		THETA			D.BAR
0	27.99	27.99	34.12	21.738	606.2	0.000	0	0	27.96	27.96	34.04	21.688	611.0	0.000	0
10	27.99	27.99	34.12	21.739	606.6	0.061	10	10	27.97	27.97	34.05	21.693	611.0	0.061	10
20	27.99	27.99	34.13	21.747	606.3	0.121	20	20	27.34	27.34	34.18	21.995	582.5	0.121	20
30	26.88	26.87	34.14	22.112	571.8	0.180	30	30	26.44	26.43	34.40	22.447	539.7	0.177	30
50	25.86	25.85	34.25	22.516	534.0	0.291	50	50	24.60	24.59	34.48	23.074	480.6	0.279	50
75	23.15	23.13	34.47	23.495	441.5	0.413	76	75	21.70	21.69	34.58	23.988	394.1	0.388	76
100	20.58	20.56	34.64	24.340	361.6	0.513	101	100	20.28	20.26	34.61	24.196	356.2	0.482	101
125	18.63	18.61	34.76	24.938	305.3	0.596	126	125	19.59	19.57	34.64	24.601	317.5	0.569	126
150	16.86	16.84	34.75	25.362	265.5	0.668	151	150	18.50	18.47	34.66	24.895	270.3	0.650	151
200	15.84	15.81	34.66	25.531	250.9	0.797	202	200	15.25	15.22	34.62	25.632	241.1	0.788	202
250	14.69	14.65	34.63	25.763	230.0	0.917	252	250	12.79	12.76	34.50	26.055	201.5	0.898	252
300	13.63	13.59	34.56	25.933	214.8	1.028	302	300	10.88	10.84	34.41	26.345	174.3	0.992	302
400	9.95	9.90	34.39	26.492	161.9	1.217	403	400	10.09	10.04	34.39	26.469	164.3	1.161	403
500	7.56	7.51	34.31	26.804	132.2	1.364	504	500	6.46	6.41	34.29	26.938	118.2	1.303	504
600	6.95	6.89	34.30	26.882	125.7	1.493	605	600	5.38	5.33	34.32	27.098	103.2	1.413	605
700	5.28	5.22	34.32	27.110	103.0	1.607	706	700	4.42	4.37	34.34	27.223	91.0	1.510	706
800	4.44	4.38	34.35	27.229	91.5	1.704	807	800	4.15	4.09	34.36	27.268	87.3	1.600	807
1000	3.68	3.61	34.40	27.349	80.5	1.876	1009	1000	3.45	3.38	34.41	27.379	77.2	1.764	1009
1200	3.01	2.93	34.47	27.469	69.0	2.026	1212	1072	3.17	3.09	34.43	27.422	73.0	1.818	1082
1477	2.33	2.23	34.54	27.585	57.7	2.201	1492								

STD 40		RV THOMAS WASHINGTON							
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
34 02.5 N		139 51.5 E		27/08/73		2145 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	26.87	26.87	34.29	22.226	559.5	0.000	0		
10	26.76	26.76	34.30	22.270	555.8	0.056	10		
20	25.78	25.78	34.31	22.584	526.1	0.110	20		
30	25.13	25.12	34.38	22.837	502.4	0.161	30		
50	22.15	22.14	34.63	23.899	401.8	0.252	50		
75	21.05	21.04	34.78	24.318	362.7	0.347	76		
100	20.08	20.06	34.72	24.533	343.1	0.436	101		
125	19.72	19.70	34.73	24.636	334.2	0.520	126		
150	18.82	18.79	34.72	24.861	313.6	0.601	151		
200	16.77	16.74	34.64	25.301	273.0	0.748	202		
250	15.24	15.20	34.62	25.635	242.3	0.877	252		
300	14.11	14.07	34.54	25.818	226.0	0.994	302		
400	10.17	10.12	34.39	26.455	165.6	1.190	403		
500	8.28	8.23	34.31	26.698	141.9	1.344	504		
600	6.53	6.47	34.28	26.923	121.3	1.476	605		
700	5.29	5.23	34.30	27.094	104.7	1.589	706		
800	4.42	4.36	34.33	27.216	92.7	1.688	807		
1000	3.28	3.21	34.44	27.419	73.0	1.853	1009		
1159	3.02	2.94	34.48	27.476	68.2	1.966	1170		

STD 42		RV THOMAS WASHINGTON							
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
34 04.5 N		139 49.0 E		28/08/73		0454 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS		
M	DEG C	DEG C		THETA			D.BAR		
0	27.95	27.95	34.35	21.924	588.4	0.000	0		
10	26.89	26.89	34.44	22.334	549.7	0.057	10		
20	26.32	26.32	34.48	22.545	530.0	0.111	20		
30	25.60	25.59	34.56	22.829	503.2	0.163	30		
50	20.38	20.37	34.62	24.375	356.2	0.248	50		
75	18.29	18.28	34.71	24.982	299.2	0.330	76		
100	17.23	17.21	34.69	25.226	276.8	0.402	101		
125	16.56	16.54	34.67	25.370	263.8	0.470	126		
150	15.99	15.97	34.67	25.502	252.0	0.534	151		
200	15.80	15.77	34.68	25.555	248.6	0.660	202		
250	15.06	15.02	34.65	25.698	236.3	0.781	252		
300	13.63	13.59	34.57	25.941	214.1	0.893	302		
400	9.19	9.15	34.38	26.610	150.2	1.076	403		
500	7.47	7.42	34.30	26.809	131.6	1.216	504		
600	5.99	5.94	34.31	27.016	111.8	1.338	605		
700	4.82	4.76	34.33	27.171	96.6	1.442	706		
800	4.11	4.05	34.37	27.280	86.1	1.534	807		
1000	3.25	3.18	34.43	27.414	73.4	1.693	1009		
1086	3.00	2.92	34.46	27.461	69.0	1.754	1096		

STD 44		RV THOMAS WASHINGTON							
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
34 21.0 N		139 34.0 E		28/08/73		1137 GMT		M	
DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	PRESS D.BAR		
0	26.17	26.17	34.20	22.379	544.9	0.000	0		
10	25.73	25.73	34.23	22.539	530.0	0.054	10		
20	25.34	25.34	34.26	22.682	516.8	0.106	20		
30	24.48	24.47	34.24	22.927	493.8	0.157	30		
50	22.72	22.71	34.26	23.457	443.9	0.250	50		
75	19.54	19.53	34.62	24.597	336.0	0.348	76		
100	16.14	16.12	34.54	25.366	263.3	0.423	101		
125	15.21	15.19	34.56	25.591	242.5	0.486	126		
150	14.16	14.14	34.51	25.780	225.1	0.544	151		
200	11.89	11.86	34.43	26.173	188.5	0.648	202		
250	10.85	10.82	34.39	26.333	174.1	0.739	252		
300	9.63	9.60	34.34	26.505	158.3	0.822	302		
400	7.42	7.38	34.29	26.807	110.0	0.966	403		
500	5.96	5.92	34.26	26.979	113.8	1.085	504		
600	5.19	5.14	34.26	27.073	105.2	1.197	605		
700	4.53	4.48	34.30	27.179	95.3	1.298	706		
800	3.94	3.88	34.35	27.281	85.6	1.388	807		
1000	3.11	3.04	34.41	27.410	73.3	1.547	1009		
1077	2.97	2.90	34.43	27.440	70.8	1.602	1087		

STD 46		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
33 50.0 N	139 42.0 E	28/08/73	2136 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	28.16	28.16	34.30	21.818	598.5	0.000	0	0			
10	28.15	28.15	34.30	21.822	598.6	0.060	10	10			
20	28.16	28.16	34.34	21.850	596.5	0.120	20	20			
30	28.11	28.10	34.41	21.920	590.3	0.179	30	30			
50	27.98	27.97	34.51	22.039	579.8	0.296	50	50			
75	27.78	27.76	34.56	22.143	571.0	0.440	76	76			
100	25.71	25.69	34.56	22.800	509.1	0.575	101	101			
125	23.60	23.57	34.77	23.594	434.2	0.693	126	126			
150	20.83	20.80	34.71	24.328	364.8	0.793	151	151			
200	18.43	18.39	34.67	24.922	309.5	0.961	201	201			
250	15.92	15.88	34.59	25.460	259.3	1.103	252	252			
300	14.61	14.57	34.57	25.734	234.1	1.227	302	302			
400	11.17	11.12	34.38	26.271	183.8	1.436	403	403			
500	8.00	7.95	34.28	26.716	140.9	1.598	504	504			
600	6.93	6.87	34.26	26.854	128.3	1.733	605	605			
700	5.87	5.81	34.26	26.992	115.1	1.854	706	706			
800	4.52	4.46	34.28	27.165	97.7	1.961	807	807			
1000	3.71	3.64	34.38	27.330	82.4	2.141	1009	1009			
1200	3.04	2.96	34.45	27.450	70.9	2.294	1212	1212			

TASADAY EXPEDITION LEG IV		STD 47									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
33 45.0 N	139 48.5 E	29/08/73	0006 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	28.00	28.00	34.08	21.705	609.4	0.000	0	0			
10	27.95	27.95	34.08	21.722	608.2	0.061	10	10			
20	27.93	27.93	34.08	21.729	608.0	0.122	20	20			
30	27.91	27.90	34.17	21.804	601.3	0.182	30	30			
50	27.64	27.63	34.52	22.157	568.5	0.299	50	50			
75	24.92	24.90	34.73	23.168	472.8	0.429	76	76			
100	22.47	22.45	34.79	23.933	400.6	0.538	101	101			
125	21.00	20.98	34.79	24.342	362.5	0.634	126	126			
150	19.83	19.80	34.78	24.647	334.2	0.741	151	151			
200	17.94	17.91	34.78	25.128	289.9	0.877	201	201			
250	16.41	16.37	34.70	25.433	262.1	1.015	252	252			
300	14.78	14.73	34.61	25.730	234.8	1.139	302	302			
400	12.63	12.58	34.46	26.059	205.1	1.359	403	403			
500	9.31	9.25	34.27	26.506	162.1	1.543	504	504			
600	7.29	7.23	34.24	26.788	135.0	1.691	605	605			
700	5.57	5.51	34.31	27.068	107.5	1.813	706	706			
800	4.92	4.85	34.31	27.145	100.4	1.916	807	807			
874	4.03	3.96	34.37	27.289	85.8	1.985	882	882			

STD 48		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 38.5 N	139 04.0 E	29/08/73	0839 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	28.56	28.56	34.32	21.702	609.7	0.000	0	0			
10	28.54	28.54	34.34	21.724	608.0	0.061	10	10			
20	28.14	28.14	34.36	21.871	594.4	0.121	20	20			
30	28.09	28.08	34.39	21.911	591.1	0.180	30	30			
50	27.06	27.05	34.58	22.388	546.4	0.294	50	50			
75	24.46	24.44	34.74	23.314	458.8	0.420	76	76			
100	23.37	23.35	34.79	23.675	425.4	0.530	101	101			
125	22.50	22.47	34.81	23.941	400.9	0.633	126	126			
150	21.87	21.84	34.82	24.127	384.1	0.732	151	151			
200	19.97	19.93	34.79	24.620	338.7	0.912	201	201			
250	18.93	18.89	34.80	24.899	313.8	1.075	252	252			
300	17.84	17.79	34.78	25.157	290.7	1.227	302	302			
400	16.00	15.94	34.70	25.532	257.5	1.501	403	403			
500	13.34	13.27	34.52	25.967	217.1	1.738	504	504			
600	11.09	11.01	34.39	26.298	186.1	1.940	605	605			
700	8.90	8.82	34.28	26.583	158.5	2.112	706	706			
787	6.07	6.00	34.31	27.008	115.3	2.231	794	794			

TASADAY EXPEDITION LEG IV		STD 49									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 39.5 N	138 52.0 E	29/08/73	1125 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS			
M	DEG C	DEG C		THETA				D.BAR			
0	28.31	28.31	34.26	21.739	606.1	0.000	0	0			
10	28.23	28.23	34.40	21.871	593.9	0.060	10	10			
20	28.18	28.18	34.49	21.956	586.3	0.119	20	20			
30	28.00	27.99	34.54	22.053	577.5	0.177	30	30			
50	25.57	25.56	34.73	22.968	490.8	0.284	50	50			
75	24.37	24.35	34.79	23.379	452.6	0.402	76	76			
100	23.38	23.36	34.80	23.680	424.9	0.512	101	101			
125	21.81	21.79	34.80	24.127	383.1	0.613	126	126			
150	20.75	20.72	34.85	24.456	352.6	0.705	151	151			
200	19.06	19.02	34.79	24.856	316.1	0.872	201	201			
250	18.31	18.27	34.79	25.046	299.6	1.026	252	252			
300	17.40	17.35	34.78	25.263	280.4	1.171	302	302			
400	15.74	15.68	34.70	25.591	251.7	1.437	403	403			
500	13.25	13.18	34.53	25.993	214.6	1.670	504	504			
600	10.42	10.35	34.34	26.377	177.8	1.866	605	605			
700	8.02	7.95	34.25	26.693	146.7	2.022	706	706			
800	6.87	6.79	34.31	26.904	126.7	2.165	807	807			
1000	4.09	4.01	34.35	27.268	89.1	2.381	1009	1009			
1200	3.50	3.41	34.41	27.376	79.2	2.549	1212	1212			
1500	2.74	2.63	34.49	27.511	66.2	2.767	1515	1515			

STD 50		RV THOMAS WASHINGTON							
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM	
32 39.5 N		138 35.0 E		29/08/73		1428 GMT		M	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	HT	PRESS	
M	DEG C	DEG C		THETA				D. BAR	
0	28.26	28.26	34.44	21.891	591.6	0.000	0	0	
10	28.26	28.26	34.44	21.892	592.0	0.059	10	10	
20	27.95	27.95	34.46	22.009	581.3	0.118	20	20	
30	27.74	27.73	34.47	22.085	574.4	0.176	30	30	
50	26.13	26.12	34.46	22.591	526.9	0.286	50	50	
75	24.11	24.09	34.73	23.411	449.6	0.402	76	76	
100	22.95	22.93	34.80	23.804	413.0	0.516	101	101	
125	21.90	21.88	34.81	24.110	384.8	0.615	126	126	
150	20.94	20.91	34.81	24.375	360.4	0.709	151	151	
200	19.10	19.06	34.79	24.845	317.1	0.878	201	201	
250	18.53	18.49	34.81	25.007	303.4	1.033	252	252	
300	17.51	17.46	34.78	25.237	283.0	1.180	302	302	
400	15.61	15.55	34.66	25.589	251.8	1.447	403	403	
500	12.67	12.60	34.47	26.062	207.6	1.677	504	504	
600	10.02	9.95	34.32	26.430	172.3	1.867	605	605	
700	7.76	7.69	34.23	26.715	144.2	2.025	706	706	
800	6.03	5.96	34.23	26.950	120.8	2.157	807	807	
1000	4.45	4.37	34.32	27.206	95.7	2.374	1009	1009	
1200	3.46	3.37	34.41	27.379	78.7	2.548	1212	1212	
1500	2.80	2.69	34.48	27.497	67.7	2.768	1515	1515	

STD 52		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 39.5 N	138 03.5 E	30/08/73	0332 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.40	28.40	34.41	21.822	598.2	0.000	0				
10	28.32	28.32	34.42	21.857	595.3	0.060	10				
20	27.97	27.97	34.40	21.957	586.2	0.119	20				
30	27.71	27.70	34.54	22.148	568.4	0.176	30				
50	23.93	23.92	34.69	23.432	446.4	0.278	50				
75	22.54	22.52	34.83	23.942	398.7	0.384	76				
100	21.79	21.77	34.85	24.169	378.0	0.481	101				
125	21.04	21.02	34.82	24.354	361.4	0.573	126				
150	20.35	20.32	34.80	24.525	345.9	0.662	151				
200	19.36	19.32	34.80	24.786	322.8	0.829	201				
250	19.07	19.02	34.80	24.863	317.3	0.989	252				
300	18.67	18.62	34.80	24.966	309.1	1.145	302				
400	16.62	16.55	34.74	25.421	268.5	1.434	403				
500	14.28	14.21	34.59	25.828	231.3	1.684	504				
600	11.45	11.37	34.40	26.241	192.0	1.896	605				
700	8.21	8.14	34.24	26.657	150.4	2.067	706				
800	6.30	6.23	34.20	26.892	126.7	2.205	807				
1000	4.25	4.17	34.35	27.251	91.1	2.423	1009				
1200	3.39	3.30	34.42	27.394	77.2	2.591	1212				
1500	2.86	2.75	34.47	27.484	69.1	2.811	1515				

TASADAY EXPEDITION LEG IV											
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 49.0 N	138 29.5 E	30/08/73	0807 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.18	28.18	34.37	21.864	594.1	0.000	0				
10	28.17	28.17	34.37	21.868	594.2	0.059	10				
20	28.14	28.14	34.38	21.886	593.0	0.119	20				
30	27.29	27.28	34.60	22.328	551.2	0.176	30				
50	24.50	24.49	34.65	23.233	465.5	0.278	50				
75	22.68	22.66	34.81	23.887	404.0	0.386	76				
100	21.39	21.37	34.79	24.234	371.8	0.483	101				
125	20.07	20.05	34.79	24.590	338.7	0.572	126				
150	19.33	19.30	34.79	24.784	321.0	0.655	151				
200	18.88	18.84	34.80	24.909	311.0	0.813	201				
250	18.10	18.06	34.80	25.106	293.8	0.964	252				
300	17.34	17.29	34.79	25.285	278.3	1.107	302				
400	15.71	15.65	34.70	25.598	251.0	1.371	403				
500	13.34	13.27	34.52	25.967	217.1	1.606	504				
600	10.61	10.54	34.39	26.383	177.5	1.803	605				
700	7.88	7.81	34.26	26.721	143.8	1.964	706				
800	5.76	5.69	34.22	26.975	117.9	2.094	807				
1000	4.26	4.18	34.35	27.250	91.2	2.303	1009				
1200	3.34	3.25	34.43	27.407	75.8	2.470	1212				
1500	2.79	2.68	34.49	27.506	66.8	2.684	1515				

STD 54		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 50.0 N	139 05.0 E	30/08/73	1209 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.26	28.26	34.23	21.733	606.7	0.000	0				
10	28.22	28.22	34.24	21.754	605.1	0.061	10				
20	28.18	28.18	34.36	21.858	595.7	0.121	20				
30	27.84	27.83	34.38	21.985	584.0	0.180	30				
50	27.56	27.55	34.37	22.070	576.8	0.296	50				
75	23.25	23.23	34.65	23.602	431.2	0.422	76				
100	21.84	21.82	34.75	24.079	386.6	0.524	101				
125	20.51	20.49	34.81	24.489	348.4	0.616	126				
150	19.67	19.64	34.80	24.704	328.8	0.700	151				
200	18.80	18.76	34.79	24.922	309.7	0.860	201				
250	18.00	17.96	34.79	25.123	292.2	1.011	252				
300	17.15	17.10	34.76	25.307	276.1	1.153	302				
400	15.32	15.26	34.67	25.661	244.7	1.413	403				
500	12.83	12.76	34.46	26.023	211.4	1.641	504				
600	10.11	10.04	34.32	26.415	173.9	1.834	605				
700	8.25	8.18	34.27	26.674	148.8	1.995	706				
800	6.40	6.33	34.22	26.895	126.6	2.133	807				
1000	4.31	4.23	34.32	27.221	94.0	2.354	1009				
1200	3.39	3.30	34.44	27.410	75.7	2.523	1212				
1500	2.73	2.62	34.49	27.511	66.1	2.736	1515				

TASADAY EXPEDITION LEG IV											
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 49.0 N	139 06.0 E	30/08/73	1452 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.23	28.23	34.43	21.893	591.4	0.000	0				
10	28.22	28.22	34.44	21.905	590.8	0.059	10				
20	28.19	28.19	34.48	21.945	587.3	0.118	20				
30	27.86	27.85	34.57	22.121	570.9	0.176	30				
50	25.51	25.50	34.69	22.956	492.0	0.282	50				
75	23.96	23.94	34.80	23.508	440.3	0.399	76				
100	22.38	22.36	34.82	23.981	396.0	0.503	101				
125	21.52	21.50	34.82	24.223	373.9	0.600	126				
150	20.46	20.43	34.85	24.534	345.1	0.689	151				
200	19.11	19.07	34.80	24.851	316.6	0.855	201				
250	18.32	18.28	34.84	25.082	296.2	1.008	252				
300	17.15	17.10	34.78	25.323	274.6	1.151	302				
400	15.52	15.46	34.69	25.632	247.6	1.412	403				
500	12.76	12.69	34.50	26.067	207.1	1.639	504				
600	9.98	9.91	34.32	26.437	171.6	1.829	605				
700	7.55	7.48	34.22	26.737	141.8	1.985	706				
800	6.16	6.09	34.29	26.981	118.1	2.115	807				
1000	3.84	3.77	34.38	27.317	83.9	2.317	1009				
1200	3.19	3.10	34.46	27.445	71.9	2.473	1212				
1488	2.58	2.48	34.53	27.556	61.4	2.665	1503				

STD 56		RV THOMAS WASHINGTON						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
33 02.0 N	139 09.0 E	30/08/73	1748 GMT					
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D BAR	
0	28.19	28.19	34.26	21.778	602.4	0.000	0	
10	28.14	28.14	34.26	21.796	601.2	0.060	10	
20	28.09	28.09	34.37	21.895	592.1	0.120	20	
30	27.99	27.98	34.50	22.026	580.0	0.178	30	
50	25.24	25.23	34.60	22.971	490.5	0.286	50	
75	22.81	22.79	34.66	23.736	418.4	0.399	76	
100	21.89	21.87	34.77	24.081	386.5	0.500	101	
125	20.91	20.89	34.81	24.382	358.7	0.593	126	
150	20.00	19.97	34.77	24.595	339.2	0.680	151	
200	18.81	18.77	34.79	24.919	310.0	0.842	201	
250	17.81	17.77	34.79	25.169	287.7	0.992	252	
300	16.63	16.58	34.74	25.414	265.6	1.130	302	
400	14.92	14.86	34.63	25.718	239.1	1.383	403	
500	12.27	12.20	34.41	26.093	204.2	1.604	504	
600	9.05	8.98	34.27	26.549	159.8	1.786	605	
700	6.85	6.78	34.21	26.826	132.3	1.932	706	
800	5.82	5.75	34.29	27.023	113.5	2.055	807	
1000	3.88	3.80	34.37	27.305	85.1	2.254	1009	
1200	3.19	3.10	34.45	27.437	72.6	2.412	1212	
1500	2.62	2.52	34.51	27.537	63.4	2.616	1516	

STD 58		RV THOMAS WASHINGTON									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM			
33 01.0 N		138 33.0 E		31/08/73		0046 GMT		M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.27	28.27	34.22	21.722	607.8	0.000	0				
10	28.25	28.25	34.22	21.729	607.5	0.061	10				
20	28.27	28.27	34.30	21.784	602.8	0.121	20				
30	28.00	27.99	34.34	21.903	591.9	0.181	30				
50	27.11	27.10	34.42	22.252	559.4	0.296	50				
75	23.73	23.71	34.71	23.508	440.3	0.421	76				
100	22.14	22.12	34.77	24.011	393.2	0.525	101				
125	21.00	20.98	34.79	24.342	362.5	0.620	126				
150	19.94	19.91	34.77	24.611	337.7	0.707	151				
200	18.90	18.86	34.78	24.889	312.9	0.870	201				
250	18.12	18.08	34.78	25.086	295.7	1.022	252				
300	17.15	17.10	34.74	25.292	277.5	1.165	302				
400	14.81	14.75	34.55	25.680	242.6	1.425	403				
500	11.95	11.88	34.40	26.146	198.9	1.646	504				
600	9.70	9.63	34.33	26.515	163.9	1.828	605				
700	6.76	6.69	34.23	26.854	129.6	1.974	706				
800	6.07	6.00	34.32	27.016	114.7	2.097	807				
1000	3.90	3.82	34.36	27.295	86.1	2.297	1009				
1200	3.30	3.21	34.43	27.410	75.3	2.459	1212				
1500	2.67	2.56	34.50	27.525	64.7	2.669	1516				

TASADAY EXPEDITION LEG IV											
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM			
33 01.0 N		138 16.0 E		31/08/73		0909 GMT		M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.70	28.70	34.15	21.528	626.4	0.000	0				
10	28.36	28.36	34.14	21.633	616.7	0.062	10				
20	28.35	28.35	34.14	21.637	616.8	0.124	20				
30	28.23	28.22	34.43	21.895	592.6	0.184	30				
50	25.58	25.57	34.57	22.844	502.7	0.294	50				
75	23.17	23.15	34.71	23.671	424.7	0.410	76				
100	21.58	21.56	34.75	24.151	379.7	0.510	101				
125	20.37	20.35	34.74	24.473	349.9	0.601	126				
150	19.62	19.59	34.73	24.664	332.6	0.687	151				
200	18.84	18.80	34.73	24.866	315.1	0.849	201				
250	17.89	17.85	34.70	25.081	296.1	1.002	252				
300	16.93	16.88	34.68	25.298	276.8	1.145	302				
400	14.40	14.34	34.51	25.737	236.9	1.402	403				
500	11.54	11.48	34.32	26.160	197.2	1.619	504				
600	9.33	9.26	34.25	26.489	165.9	1.800	605				
700	6.70	6.63	34.18	26.823	132.4	1.949	706				
800	5.64	5.57	34.26	27.021	113.3	2.072	807				
1000	3.77	3.70	34.29	27.252	89.7	2.275	1009				
1200	3.13	3.04	34.37	27.378	77.8	2.443	1212				
1500	2.57	2.47	34.43	27.473	68.7	2.662	1516				

STD 60		RV THOMAS WASHINGTON									
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM			
33 10.0 N		138 51.0 E		31/08/73		1451 GMT		M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.36	28.36	34.23	21.700	609.9	0.000	0				
10	28.36	28.36	34.24	21.708	609.5	0.061	10				
20	28.38	28.38	34.26	21.718	609.1	0.122	20				
30	28.04	28.03	34.35	21.897	592.4	0.182	30				
50	27.50	27.49	34.57	22.239	560.6	0.297	50				
75	24.36	24.34	34.74	23.344	456.0	0.424	76				
100	22.41	22.39	34.85	23.996	394.7	0.531	101				
125	21.18	21.16	34.86	24.346	362.1	0.625	126				
150	20.07	20.04	34.86	24.645	334.4	0.712	151				
200	18.72	18.68	34.81	24.957	306.4	0.873	201				
250	17.52	17.48	34.79	25.240	280.9	1.019	252				
300	16.66	16.61	34.77	25.430	264.1	1.156	302				
400	14.55	14.49	34.62	25.790	232.0	1.404	403				
500	12.36	12.29	34.47	26.122	201.6	1.620	504				
600	9.73	9.66	34.37	26.517	163.7	1.803	605				
700	6.89	6.82	34.27	26.868	128.5	1.949	706				
800	5.46	5.39	34.31	27.083	107.3	2.067	807				
1000	3.96	3.88	34.38	27.305	85.3	2.260	1009				
1200	3.28	3.19	34.45	27.428	73.7	2.419	1212				
1500	2.50	2.40	34.53	27.563	60.5	2.620	1516				

TASADAY EXPEDITION LEG IV											
LATITUDE		LONGITUDE		DAY/MO/YR		START TIME		BOTTOM			
33 20.0 N		138 54.0 E		31/08/73		1748 GMT		M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.46	28.46	34.23	21.667	613.0	0.000	0				
10	28.44	28.44	34.23	21.675	612.8	0.061	10				
20	28.41	28.41	34.31	21.745	606.5	0.122	20				
30	28.34	28.33	34.42	21.852	596.8	0.182	30				
50	27.30	27.29	34.57	22.304	554.4	0.298	50				
75	24.44	24.42	34.78	23.350	455.4	0.424	76				
100	22.18	22.16	34.83	24.045	389.9	0.529	101				
125	20.77	20.75	34.83	24.435	353.6	0.622	126				
150	19.74	19.71	34.82	24.701	329.1	0.708	151				
200	18.59	18.55	34.80	24.982	303.9	0.866	201				
250	17.16	17.12	34.75	25.295	275.5	1.011	252				
300	15.68	15.63	34.69	25.593	248.2	1.142	302				
400	12.76	12.71	34.49	26.057	205.4	1.369	403				
500	9.61	9.55	34.33	26.504	162.7	1.553	504				
600	6.55	6.49	34.27	26.912	122.3	1.695	605				
700	5.42	5.36	34.32	27.094	104.8	1.809	706				
800	4.64	4.58	34.36	27.216	93.2	1.908	807				
1000	3.48	3.41	34.43	27.392	76.0	2.077	1009				
1200	3.06	2.98	34.47	27.464	69.6	2.222	1212				
1500	2.64	2.54	34.51	27.535	63.6	2.422	1516				

STD 62		RV THOMAS WASHINGTON						
LATITUDE		LONGITUDE	DAY/MO./YR	START TIME	BOTTOM			
33 32.0 N		139 00.5 E	31/08/73	2256 GMT	M			
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN RT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.30	28.30	34.18	21.682	611.6	0.000	0	
10	28.29	28.29	34.19	21.694	610.9	0.061	10	
20	28.31	28.31	34.22	21.711	609.8	0.122	20	
30	28.18	28.17	34.36	21.859	596.1	0.182	30	
50	27.73	27.72	34.59	22.180	566.3	0.299	50	
75	25.25	25.23	34.71	23.053	483.8	0.430	76	
100	22.95	22.93	34.80	23.804	413.0	0.542	101	
125	21.42	21.40	34.74	24.189	377.1	0.641	126	
150	19.72	19.69	34.81	24.699	329.3	0.729	151	
200	17.74	17.71	34.79	25.184	284.5	0.883	201	
250	15.52	15.48	34.64	25.589	246.9	1.015	252	
300	14.05	14.01	34.58	25.862	221.8	1.133	302	
400	10.76	10.71	34.42	26.376	173.6	1.330	403	
500	8.29	8.24	34.35	26.728	140.1	1.487	504	
600	5.99	5.94	34.27	26.984	114.8	1.615	605	
700	5.01	4.95	34.35	27.165	97.4	1.721	706	
800	4.13	4.07	34.36	27.270	87.1	1.813	807	
1000	3.17	3.30	34.44	27.410	74.0	1.974	1009	
1200	2.96	2.88	34.47	27.473	68.5	2.117	1212	
1500	2.49	2.39	34.53	27.564	60.4	2.310	1516	

STD 64		RV THOMAS WASHINGTON						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
33 55.0 N	139 14.0 E	01/09/73	0617 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.36	28.36	34.00	21.527	626.4	0.000	0	
10	28.20	28.20	34.01	21.588	621.1	0.062	10	
20	28.11	28.11	34.17	21.738	607.1	0.124	20	
30	27.19	27.18	34.21	22.066	576.2	0.183	30	
50	26.17	26.16	34.28	22.443	541.1	0.295	50	
75	22.40	22.38	34.54	23.762	415.9	0.414	76	
100	20.47	20.45	34.73	24.438	352.3	0.510	101	
125	19.28	19.26	34.78	24.788	319.7	0.594	126	
150	17.82	17.79	34.71	25.101	290.5	0.671	151	
200	14.20	14.17	34.57	25.820	222.9	0.799	201	
250	12.34	12.31	34.48	26.127	194.4	0.903	252	
300	10.70	10.66	34.42	26.384	170.4	0.995	302	
400	7.26	7.22	34.25	26.797	130.7	1.145	403	
500	6.65	6.60	34.27	26.898	122.3	1.272	504	
600	6.19	6.14	34.28	26.967	116.7	1.391	605	
700	5.06	5.00	34.33	27.144	99.5	1.499	706	
800	3.93	3.87	34.39	27.314	82.5	1.590	807	
900	3.68	3.61	34.42	27.364	78.3	1.671	908	

TASADAY EXPEDITION LEG IV		STD 65						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
34 02.0 N	139 14.0 E	01/09/73	0807 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.41	28.41	34.06	21.556	623.7	0.000	0	
10	28.36	28.36	34.08	21.588	621.1	0.062	10	
20	27.94	27.94	34.17	21.794	601.8	0.123	20	
30	26.29	26.28	34.24	22.374	546.7	0.181	30	
50	23.82	23.81	34.44	23.275	461.4	0.282	50	
75	21.33	21.32	34.55	24.067	386.7	0.388	76	
100	19.58	19.56	34.68	24.633	333.5	0.478	101	
125	17.01	16.99	34.59	25.203	279.8	0.554	126	
150	14.74	14.72	34.62	25.741	229.0	0.618	151	
200	13.18	13.15	34.51	25.983	207.0	0.727	202	
250	11.43	11.40	34.44	26.267	180.7	0.824	252	
300	10.76	10.72	34.41	26.366	172.2	0.912	302	
375	9.66	9.62	34.36	26.517	158.8	1.036	378	

STD 66		RV THOMAS WASHINGTON						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
33 55.5 N	139 24.0 E	01/09/73	1035 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.49	28.49	34.14	21.590	620.4	0.000	0	
10	28.45	28.45	34.17	21.626	617.4	0.062	10	
20	28.25	28.25	34.24	21.745	606.5	0.123	20	
30	27.64	27.63	34.36	22.035	579.2	0.182	30	
50	27.02	27.01	34.48	22.326	552.3	0.296	50	
75	24.90	24.88	34.74	23.182	471.5	0.424	76	
100	22.63	22.61	34.67	23.797	413.7	0.534	101	
125	20.48	20.46	34.79	24.482	349.1	0.629	126	
150	18.61	18.58	34.75	24.937	306.4	0.711	151	
200	16.55	16.52	34.69	25.391	264.4	0.854	201	
250	15.02	14.98	34.61	25.676	238.4	0.980	252	
300	13.40	13.36	34.54	25.965	211.7	1.092	302	
400	10.33	10.28	34.35	26.396	171.3	1.284	403	
500	7.93	7.88	34.30	26.742	138.4	1.439	504	
600	6.10	6.05	34.31	27.002	113.2	1.565	605	
700	4.49	4.44	34.35	27.223	91.1	1.667	706	
800	3.84	3.78	34.39	27.323	81.5	1.753	807	
1000	2.92	2.85	34.49	27.491	65.3	1.900	1009	
1060	2.85	2.78	34.49	27.498	64.9	1.939	1070	

TASADAY EXPEDITION LEG IV		STD 67						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
33 42.5 N	139 31.0 E	01/09/73	1336 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.44	28.44	34.24	21.681	611.7	0.000	0	
10	28.43	28.43	34.24	21.685	611.8	0.061	10	
20	28.39	28.39	34.25	21.707	610.2	0.122	20	
30	28.37	28.36	34.34	21.782	603.5	0.183	30	
50	27.85	27.84	34.46	22.043	579.4	0.301	50	
75	26.03	26.01	34.50	22.654	522.0	0.439	76	
100	24.24	24.22	34.80	23.427	449.2	0.560	101	
125	22.41	22.38	34.81	23.967	398.5	0.666	126	
150	20.90	20.87	34.83	24.401	357.9	0.761	151	
200	18.86	18.82	34.79	24.906	311.2	0.928	201	
250	17.43	17.39	34.76	25.238	281.0	1.076	252	
300	15.90	15.85	34.68	25.536	253.7	1.210	302	
400	12.64	12.59	34.45	26.049	206.0	1.440	403	
500	9.73	9.67	34.30	26.461	166.9	1.626	504	
600	6.99	6.93	34.23	26.822	131.4	1.775	605	
700	5.80	5.74	34.32	27.048	109.8	1.896	706	
800	4.81	4.75	34.36	27.197	95.3	1.998	807	
1000	3.66	3.59	34.41	27.359	79.6	2.173	1009	
1200	3.05	2.97	34.47	27.465	69.5	2.322	1212	
1500	2.54	2.44	34.52	27.552	61.7	2.519	1516	

STD 68		RV THOMAS WASHINGTON						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
33 27.0 N	139 32.0 E	01/09/73	1826 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.32	28.32	34.18	21.676	612.2	0.000	0	
10	28.31	28.31	34.18	21.680	612.3	0.061	10	
20	28.15	28.15	34.26	21.793	601.9	0.122	20	
30	27.78	27.77	34.43	22.042	578.5	0.181	30	
50	24.68	24.67	34.68	23.201	468.5	0.286	50	
75	22.75	22.73	34.84	23.890	403.7	0.395	76	
100	21.51	21.49	34.86	24.255	369.9	0.491	101	
125	20.64	20.62	34.83	24.469	350.3	0.581	126	
150	20.09	20.06	34.82	24.609	337.8	0.667	151	
200	18.53	18.49	34.82	25.012	301.0	0.827	201	
250	17.16	17.12	34.77	25.311	274.0	0.971	252	
300	16.31	16.26	34.74	25.488	258.5	1.104	302	
400	13.42	13.36	34.55	25.972	214.0	1.340	403	
500	11.63	11.57	34.43	26.229	190.8	1.543	504	
600	8.49	8.43	34.28	26.644	150.1	1.713	605	
700	6.63	6.56	34.31	26.934	121.8	1.849	706	
800	5.11	5.04	34.32	27.131	102.0	1.961	807	
1000	3.80	3.73	34.40	27.337	81.9	2.145	1009	
1200	3.05	2.97	34.47	27.465	69.5	2.296	1212	
1300	2.89	2.80	34.48	27.488	67.6	2.365	1313	

TASADAY EXPEDITION LEG IV		STD 69						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
33 45.5 N	139 48.5 E	01/09/73	2155 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.40	28.40	34.22	21.679	611.8	0.000	0	
10	28.40	28.40	34.22	21.680	612.2	0.061	10	
20	28.42	28.42	34.25	21.697	611.1	0.122	20	
30	28.36	28.35	34.42	21.845	597.4	0.183	30	
50	27.91	27.90	34.51	22.062	577.6	0.300	50	
75	24.23	24.21	34.70	23.352	455.1	0.429	76	
100	22.57	22.55	34.81	23.920	401.9	0.537	101	
125	21.60	21.58	34.80	24.185	377.5	0.634	126	
150	20.63	20.60	34.82	24.466	351.6	0.725	151	
200	18.66	18.62	34.80	24.965	305.6	0.889	201	
250	17.14	17.10	34.75	25.300	275.0	1.035	252	
300	15.86	15.81	34.69	25.553	252.1	1.166	302	
400	12.86	12.80	34.51	26.053	205.9	1.395	403	
500	10.49	10.43	34.36	26.379	175.4	1.586	504	
600	8.62	8.56	34.28	26.625	152.2	1.750	605	
700	6.59	6.52	34.26	26.900	125.0	1.888	706	
800	5.43	5.36	34.33	27.102	105.4	2.004	807	
1000	3.82	3.75	34.38	27.319	83.7	2.193	1009	
1037	3.69	3.61	34.41	27.356	80.2	2.223	1047	

STD 70		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
33 50.5 N	139 41.5 E	02/09/73	0342 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.67	28.67	34.34	21.681	611.7	0.000	0				
10	28.50	28.50	34.33	21.730	607.5	0.061	10				
20	28.40	28.40	34.32	21.756	605.5	0.122	20				
30	28.12	28.11	34.39	21.901	592.0	0.181	30				
50	27.64	27.63	34.55	22.179	566.4	0.297	50				
75	25.29	25.27	34.70	23.033	485.7	0.429	76				
100	23.22	23.20	34.72	23.665	426.3	0.543	101				
125	21.01	20.99	34.77	24.324	364.2	0.642	126				
150	19.96	19.93	34.78	24.613	337.5	0.729	151				
200	18.46	18.42	34.78	24.999	302.2	0.889	201				
250	17.91	17.87	34.76	25.122	292.2	1.038	252				
300	15.00	14.95	34.65	25.713	236.5	1.170	302				
400	11.40	11.35	34.38	26.230	188.0	1.382	403				
500	9.22	9.16	34.36	26.591	154.1	1.553	504				
600	6.33	6.28	34.25	26.925	120.8	1.691	605				
700	4.68	4.62	34.32	27.179	95.6	1.799	706				
800	3.85	3.79	34.38	27.314	82.4	1.888	807				
1000	3.11	3.04	34.45	27.442	70.4	2.041	1009				
1200	2.79	2.71	34.49	27.504	65.1	2.176	1212				
1249	2.76	2.67	34.50	27.515	64.3	2.208	1261				

TASADAY EXPEDITION LEG IV		STD 71									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
33 48.0 N	139 44.5 E	02/09/73	0551 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.55	28.55	34.23	21.638	615.8	0.000	0				
10	28.54	28.54	34.23	21.642	615.9	0.062	10				
20	28.46	28.46	34.24	21.676	613.1	0.123	20				
30	28.35	28.34	34.32	21.773	604.3	0.184	30				
50	27.83	27.82	34.47	22.057	578.0	0.302	50				
75	25.64	25.62	34.68	22.910	497.5	0.437	76				
100	23.05	23.03	34.82	23.790	414.4	0.551	101				
125	20.81	20.79	34.82	24.416	355.4	0.647	126				
150	20.03	20.00	34.82	24.625	336.3	0.733	151				
200	18.31	18.28	34.80	25.052	297.2	0.892	201				
250	17.09	17.05	34.78	25.335	271.7	1.034	252				
300	14.65	14.60	34.59	25.742	233.5	1.160	302				
400	11.75	11.70	34.42	26.196	191.4	1.373	403				
500	9.76	9.70	34.38	26.518	161.5	1.549	504				
600	6.28	6.23	34.26	26.939	119.3	1.689	605				
700	5.73	5.67	34.33	27.065	108.1	1.803	706				
800	4.44	4.38	34.37	27.245	90.0	1.902	807				
1000	3.61	3.54	34.41	27.364	79.0	2.071	1009				

STD 72		RV THOMAS WASHINGTON									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
33 42.5 N	139 31.0 E	02/09/73	0901 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.63	28.63	34.29	21.656	614.1	0.000	0				
10	28.64	28.64	34.30	21.661	614.1	0.061	10				
20	28.36	28.36	34.41	21.837	597.7	0.122	20				
30	28.16	28.15	34.47	21.948	587.5	0.181	30				
50	27.18	27.17	34.58	22.350	550.0	0.295	50				
75	24.18	24.16	34.80	23.443	446.5	0.420	76				
100	22.30	22.28	34.83	24.011	393.2	0.525	101				
125	20.95	20.93	34.83	24.386	358.3	0.618	126				
150	19.27	19.24	34.81	24.815	318.1	0.703	151				
200	17.58	17.55	34.79	25.223	280.7	0.853	201				
250	16.48	16.44	34.73	25.440	261.5	0.988	252				
300	15.08	15.03	34.65	25.695	238.2	1.113	302				
400	12.06	12.01	34.45	26.161	195.0	1.330	403				
500	9.70	9.64	34.31	26.474	165.6	1.510	504				
600	6.70	6.64	34.26	26.884	125.1	1.655	605				
700	5.61	5.55	34.31	27.063	108.0	1.772	706				
800	4.46	4.40	34.37	27.243	90.3	1.871	807				
1000	3.33	3.26	34.44	27.414	73.6	2.035	1009				
1200	2.91	2.83	34.48	27.486	67.2	2.176	1212				
1500	2.53	2.43	34.52	27.552	61.6	2.369	1516				

TASADAY EXPEDITION LEG IV		CSTD 73									
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM							
32 35.0 N	140 00.5 E	05/09/73	1133 GMT	M							
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS				
M	DEG C	DEG C		THETA			D.BAR				
0	28.02	28.02	34.65	22.127	569.0	0.000	0				
10	27.36	27.36	34.61	22.312	551.8	0.056	10				
20	25.86	25.86	34.59	22.771	508.3	0.109	20				
30	24.45	24.44	34.62	23.224	465.5	0.158	30				
50	22.10	22.09	34.73	23.989	393.2	0.244	50				
75	21.16	21.15	34.79	24.296	364.9	0.338	76				
100	20.27	20.25	34.80	24.544	342.1	0.427	101				
125	19.44	19.42	34.80	24.762	322.2	0.510	126				
150	19.05	19.02	34.79	24.856	314.2	0.589	151				
200	18.07	18.04	34.77	25.088	293.7	0.741	201				
250	17.08	17.04	34.74	25.307	274.3	0.883	252				
300	16.06	16.01	34.69	25.507	256.5	1.016	302				
400	13.83	13.77	34.55	25.888	222.2	1.255	403				
500	11.52	11.46	34.39	26.218	191.7	1.462	504				
600	9.20	9.13	34.29	26.541	160.8	1.639	605				
700	6.74	6.67	34.25	26.873	127.8	1.783	706				
800	5.55	5.48	34.26	27.032	112.1	1.903	807				
1000	3.75	3.68	34.32	27.278	87.3	2.102	1009				
1200	3.08	3.00	34.43	27.431	72.8	2.262	1212				
1500	2.33	2.23	34.55	27.593	57.1	2.457	1515				

CSTD 74		RV THOMAS WASHINGTON						
LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM				
32 25.0 N	140 06.0 E	05/09/73	1818 GMT	M				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	PRESS	
M	DEG C	DEG C		THETA			D.BAR	
0	28.14	28.14	34.63	22.073	574.2	0.000	0	
10	27.97	27.97	34.66	22.152	567.1	0.057	10	
20	27.03	27.03	34.62	22.425	541.4	0.112	20	
30	25.85	25.84	34.61	22.790	507.0	0.165	30	
50	23.12	23.11	34.62	23.615	428.9	0.258	50	
75	21.57	21.56	34.76	24.161	377.8	0.359	76	
100	20.03	20.01	34.78	24.592	337.5	0.449	101	
125	19.30	19.28	34.80	24.798	318.7	0.531	126	
150	18.75	18.72	34.79	24.932	306.9	0.609	151	
200	17.79	17.76	34.76	25.149	287.8	0.758	201	
250	17.12	17.08	34.74	25.297	275.3	0.898	252	
300	16.05	16.00	34.67	25.494	257.8	1.032	302	
400	14.38	14.32	34.58	25.796	231.4	1.276	403	
500	11.75	11.68	34.41	26.191	194.5	1.489	504	
600	9.24	9.17	34.29	26.535	161.5	1.667	605	
700	6.50	6.43	34.24	26.896	125.2	1.810	706	
800	5.36	5.29	34.27	27.063	108.9	1.927	807	
1000	3.83	3.76	34.36	27.302	85.2	2.122	1009	
1200	3.03	2.95	34.44	27.443	71.5	2.278	1212	
1439	2.51	2.41	34.51	27.546	61.8	2.438	1454	

STD 78

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STD 79

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
32 08.0 N	139 50.0 E	06/09/73	1200 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	28.22	28.22	34.38	21.859
10	28.25	28.25	34.54	21.970
20	28.18	28.18	34.58	22.024
30	27.65	27.64	34.59	22.205
50	24.71	24.70	34.65	23.169
75	22.04	22.03	34.75	24.022
100	20.92	20.90	34.80	24.370
125	20.05	20.03	34.81	24.611
150	19.30	19.27	34.81	24.807
200	17.82	17.79	34.79	25.165
250	17.20	17.16	34.78	25.309
300	16.71	16.66	34.75	25.403
400	15.14	15.08	34.66	25.693
500	12.63	12.56	34.49	26.085
600	9.53	9.46	34.31	26.504
700	7.36	7.29	34.28	26.811
800	5.73	5.66	34.30	27.042
1000	3.93	3.85	34.39	27.316
SVA	DYN HT	PRESS		
		D.BAR		
594.7	0.000	0		
584.5	0.059	10		
579.8	0.117	20		
563.0	0.174	30		
471.5	0.278	50		
391.0	0.386	76		
358.8	0.479	101		
336.7	0.566	126		
318.8	0.648	151		
286.3	0.799	201		
274.2	0.940	252		
266.7	1.075	302		
241.6	1.329	403		
205.3	1.552	504		
164.8	1.738	605		
134.6	1.887	706		
111.6	2.010	807		
84.2	2.206	1009		

LATITUDE	LONGITUDE	DAY/MO/YR	START TIME	BOTTOM
32 45.0 N	140 01.5 E	06/09/73	1707 GMT	M
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA
M	DEG C	DEG C		THETA
0	28.07	28.07	34.57	22.051
10	28.07	28.07	34.57	22.051
20	28.08	28.08	34.57	22.049
30	27.36	27.35	34.66	22.351
50	25.18	25.17	34.65	23.027
75	22.01	22.00	34.79	24.061
100	21.06	21.04	34.79	24.324
125	20.15	20.13	34.81	24.585
150	19.70	19.67	34.80	24.696
200	18.63	18.59	34.79	24.964
250	17.16	17.12	34.77	25.311
300	16.36	16.31	34.72	25.462
400	14.36	14.30	34.59	25.807
500	12.06	11.99	34.45	26.164
600	9.26	9.19	34.34	26.571
700	7.26	7.19	34.28	26.825
800	6.06	5.99	34.29	26.993
1000	4.01	3.93	34.35	27.276
1200	3.31	3.22	34.42	27.402
1500	2.52	2.42	34.50	27.537
SVA	DYN HT	PRESS		
		D.BAR		
576.3	0.000	0		
576.7	0.058	10		
577.4	0.115	20		
549.0	0.172	30		
485.2	0.275	50		
387.4	0.384	76		
363.2	0.478	101		
339.3	0.566	126		
329.5	0.649	151		
305.6	0.808	201		
274.0	0.953	252		
261.0	1.087	302		
230.2	1.332	403		
197.4	1.546	504		
158.1	1.724	605		
133.1	1.870	706		
116.8	1.994	807		
88.1	2.199	1009		
76.2	2.364	1212		
62.9	2.572	1515		

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 1

LATITUDE		LONGITUDE		DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
31 35.5 N		140 0.0 E		17/08/73	0728 GMT	1369 m	160 08 kn	180 04 06	1		30.3 C	26.8 C		3/8	CU	
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	27.18	27.18	34.615	22.372	545.5	0.000	4.70	102.9	2.0	0.09					0
2	20	26.57	26.57	34.626	22.576	527.0	0.107	4.68	101.5	2.0	0.06					20
2	40	23.67	23.66	34.678	23.499	439.6	0.204	5.06	104.4	2.0	0.07					40
2	59	22.92	22.91	34.698	23.733	418.1	0.285	5.14	104.7	2.0	0.07					59
1	75	21.82	21.81	34.729	24.068	386.7	0.350	5.17	103.3	2.0	0.23					75
2	79	21.63	21.61	34.743	24.131	380.8	0.365	5.13	102.1	2.0	0.09					79
1	106	20.31	20.29	34.778	24.517	345.0	0.463	4.94	96.0	3.0	0.20					106
1	147	19.05	19.02	34.795	24.860	313.7	0.598	4.66	88.5	4.0	0.36					148
1	187	17.92	17.89	34.773	25.127	289.5	0.719	4.57	84.9	6.0	0.47					188
1	227	17.35	17.31	34.765	25.260	278.0	0.832	4.52	83.0	7.0	0.85 U					228
1	266	16.36	16.32	34.714	25.456	260.5	0.937	4.41	79.4	9.0	0.67					267
1	316	14.82	14.77	34.628	25.736	234.7	1.061	4.24	74.0	14.0	0.86					317
1	367	13.29	13.24	34.531	25.982	211.9	1.175	4.00	67.6	21.0	1.11					369
1	437	12.33	12.27	34.464	26.121	199.9	1.319	3.85	63.8	26.0	1.40					439
1	506	10.68	10.62	34.376	26.358	177.7	1.449	3.55	56.7	37.0	1.73					509
1	584	9.81	9.74	34.342	26.482	166.8	1.584	3.35	52.5	43.0	1.75					587
1	672	7.76	7.69	34.286	26.759	139.7	1.719	2.77	41.4	63.0	2.16					676
1	769	5.74	5.67	34.257	27.006	114.5	1.842	2.17	31.0	85.0	2.39					774
1	867	4.80	4.73	34.296	27.148	100.6	1.947	1.79	25.0	104.0	2.75					873
1	966	4.12	4.05	34.334	27.252	90.4	2.042	1.54	21.1	118.0	3.10					973

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STATION 4

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
32 25.0 N	140 4.0 E	17/08/73	1850 GMT												
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY PCT	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l		uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	27.01	27.01	34.629	22.437	539.3	0.000	4.78	104.4	2.0	0.29				0
2	20	26.84	26.84	34.637	22.499	534.3	0.107	4.89	106.5	2.0	0.04				20
2	40	24.97	24.96	34.668	23.104	477.4	0.209	5.15	108.7	2.0	0.20				40
2	60	22.64	22.63	34.748	23.851	406.8	0.297	5.23	106.0	2.0	0.11				60
2	80	21.59	21.57	34.768	24.161	378.0	0.375	5.08	101.7	2.0	0.14				80
2	100	20.70	20.68	34.822	24.446	351.5	0.448	4.77	93.4	3.0	0.23				100
2	130	19.66	19.64	34.812	24.715	327.0	0.550	4.70	90.3	3.0	0.29				130
2	170	18.81	18.78	34.801	24.926	308.2	0.677	4.15	78.4	4.0	0.32				171
2	210	17.98	17.94	34.790	25.126	290.4	0.797	4.24	78.9	5.0	0.36				211
2	250	17.24	17.20	34.772	25.293	275.7	0.910	4.40	80.7	4.0	0.36				251
2	290	16.92	16.87	34.766	25.366	270.0	1.019	4.92	89.6	5.0	0.43				291
2	340	16.02	15.97	34.718	25.539	254.8	1.150	4.14	74.1	8.0	0.58				342
2	390	14.38	14.32	34.595	25.807	230.0	1.272	3.13	54.1	14.0	0.86				392
2	459	12.90	12.84	34.494	26.034	209.3	1.423	2.99	50.1	21.0	1.14				461
2	528	10.81	10.74	34.352	26.317	182.3	1.558	2.93	46.9	31.0	1.52				531
2	607	9.14	9.07	34.283	26.546	160.5	1.694	2.28	35.2	44.0	1.83				611
2	695	6.90	6.83	34.272	26.868	128.4	1.821	2.09	30.6	71.0	2.29				699
2	792	5.04	4.97	34.293	27.118	103.0	1.933	1.65	23.2	97.0	2.64				797
2	889	4.44	4.37	34.336	27.219	93.4	2.028	1.65	22.8	109.0	2.75				895
2	986	4.04	3.96	34.361	27.282	87.6	2.116	1.41	19.3	121.0	2.89				993
1	1081	3.56	3.48	34.394	27.356	80.2	2.196	1.49	20.2	126.0	2.96				1089
1	1211	3.00	2.91	34.441	27.447	71.2	2.294	1.35	18.0	141.0	3.08				1221

A) AN ERROR OF 0.1 IN THE BURET READING HAS BEEN ASSUMED FOR THIS VALUE.

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 5

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
32 17.5 N	139 57.0 E	17/08/73	2352 GMT	1345 m	210 15 kn	200 04 08	1	1015.2 mb	28.4 C	25.3 C		1/8	CI			
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	27.59	27.59	34.626	22.249	557.3	0.000	4.62	101.9	2.0	0.04					0
2	20	26.64	26.64	34.631	22.558	528.7	0.109	4.77	103.5	2.0	0.02					20
1	24	26.49	26.48	34.633	22.607	524.2	0.130	3.11 U		1.0	0.03					24
2	40	23.90	23.89	34.719	23.462	443.1	0.207	5.04	104.4	2.0	0.05					40
1	44	23.50	23.49	34.731	23.589	431.2	0.225	3.83 U		2.0	0.03					44
2	60	22.78	22.77	34.770	23.827	409.1	0.292	5.06	102.8	2.0	0.06					60
1	74	21.94	21.93	34.787	24.078	385.6	0.347	2.90 U		3.0	0.07					74
2	80	21.73	21.71	34.783	24.134	380.6	0.370	4.87	97.1	2.0	0.10					80
2	100	21.13	21.11	34.798	24.311	364.4	0.445	4.73	93.3	3.0	0.16					100
1	114	20.74	20.72	34.819	24.434	353.3	0.495	3.23 U		2.0	0.12					114
2	130	20.08	20.06	34.819	24.610	337.0	0.550	4.55	88.1	3.0	0.18					130
1	154	19.39	19.36	34.804	24.780	321.7	0.629	3.49 U		3.0	0.22					155
1	194	18.52	18.49	34.798	24.998	302.2	0.754	2.97 U		4.0	0.28					195
1	234	17.90	17.86	34.785	25.143	289.7	0.873	3.15 U		4.0	0.32					235
1	284	16.66	16.61	34.755	25.418	264.8	1.011	2.89 U		8.0	0.51					285
1	334	15.35	15.30	34.653	25.640	244.7	1.138	3.29 U		11.0	0.72					336
1	375	14.33	14.27	34.592	25.815	228.8	1.236	3.80	65.7	16.0	0.88					377
1	475	11.75	11.69	34.436	26.210	192.0	1.446	3.33	54.5	28.0	1.32					478
1	554	9.76	9.70	34.338	26.487	165.7	1.587	3.17	49.6	42.0	1.68					557
1	642	7.78	7.71	34.281	26.751	139.9	1.722	2.77	41.5	61.0	2.10					646
1	740	5.64	5.58	34.271	27.029	111.8	1.845	2.10	29.9	87.0	2.53					745
1	838	4.68	4.61	34.313	27.174	97.5	1.948	1.78	24.8	104.0 U	2.74					844
1	936	3.93	3.86	34.359	27.291	86.0	2.037	1.61	22.0	117.0	2.85					943
1	1034	3.52	3.44	34.405	27.368	78.6	2.118	1.52	20.6	126.0	2.98					1042
1	1183	3.08	3.00	34.441	27.439	71.9	2.230	1.50	20.1	129.0	3.03					1193
1	1333	2.78	2.69	34.476	27.495	66.8	2.334	1.41	18.7	145.0	3.07					1345

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 8

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
32 38.0 N	139 2.0 E	18/08/73	1412 GMT	1162 m	220 17 kn	04 08	1	1014 9 mb	28 0 C	25.5 C						
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	LYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	28.36	28.36	34.522	21.920	588.8	0.000	4.23	94.4	2.0	0.03					0
2	20	28.14	28.14	34.537	22.005	581.7	0.117	4.61	102.5	2.0	0.04					20
2	40	27.44	27.43	34.557	22.248	559.3	0.231	4.70	103.3	2.0	0.04					40
2	60	26.07	26.06	34.719	22.806	506.8	0.338	4.77	102.6	2.0	0.05					60
2	80	24.46	24.44	34.767	23.335	457.1	0.434	4.79	100.2	2.0	0.09					80
2	100	23.28	23.26	34.781	23.694	423.5	0.522	4.92	100.9	2.0	0.07					100
2	130	22.05	22.02	34.810	24.068	389.0	0.644	4.84	97.1	2.0	0.06					130
2	170	20.04	20.01	34.818	24.622	337.4	0.789			3.0	0.22	U				171
1	219	19.27	19.23	34.810	24.818	320.5	0.951	4.91	93.6	3.0	0.11					220
2	220	19.03	18.99	34.801	24.873	315.2	0.954	4.91	93.2	3.0	0.14					221
1	238	19.04	19.00	34.802	24.872	316.0	1.011	4.93	93.6	3.0	0.13					239
1	256	18.78	18.73	34.800	24.937	310.4	1.067	4.86	91.8	3.0	0.13					257
2	270	18.39	18.34	34.801	25.036	301.3	1.110	4.57	85.7	4.0	0.31					271
1	274	18.52	18.47	34.804	25.006	304.4	1.122	4.61	86.6	4.0	0.28					275
1	300	17.71	17.66	34.788	25.194	287.1	1.199	4.50	83.2	5.0	0.37					301
1	337	17.03	16.97	34.769	25.344	273.8	1.302	4.50	82.1	6.0	0.44					338
1	373	16.21	16.15	34.734	25.510	258.9	1.398	4.48	80.5	8.0	0.48					375
1	408	15.42	15.36	34.671	25.641	247.0	1.487	4.38	77.4	10.0	0.66					410
1	444	14.55	14.48	34.610	25.784	233.9	1.573	4.30	74.6	12.0	0.80					446
1	489	13.57	13.50	34.536	25.933	220.3	1.676	4.17	70.9	17.0	0.93					491
1	533	12.63	12.56	34.467	26.068	207.9	1.770	4.06	67.7	20.0	1.08					536
1	594	10.51	10.44	34.354	26.373	178.2	1.888	3.56	56.7	35.0	1.50					597
1	656	9.37	9.30	34.337	26.552	161.2	1.993	3.21	49.8	47.0	1.75					660
1	727	7.26	7.19	34.280	26.826	133.5	2.097	2.57	38.0	68.0	2.17					731
1	807	6.00	5.93	34.283	26.995	116.6	2.197	2.15	30.9	83.0	2.52					812
1	897	4.81	4.74	34.329	27.173	98.6	2.294	1.80	25.1	104.0	2.65					903

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 9

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL		CLD AMT	TYPE
32 39.0 N		138 52.0 E	18/08/73	1858 GMT	3308 m	250	13 kn	260 03 06	1	1015.6 mb	27.2 C	23.4 C			1/8	SC
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	1	28.01	28.01	34.559	22.062	575.3	0.006	4.61	102.3	2.0	0.04					1
2	21	28.02	28.02	34.556	22.058	576.6	0.121	4.65	103.2	2.0	0.01					21
2	41	27.99	27.98	34.568	22.078	575.6	0.236	4.63	102.7	2.0	0.02					41
2	81	24.69	24.67	34.756	23.258	464.5	0.444	4.83	101.5	2.0	0.06					81
2	101	22.64	22.62	34.797	23.890	404.8	0.531	4.88	98.9	2.0	0.11					101
1	119	21.55	21.53	34.819	24.213	374.6	0.601	4.56	90.7	3.0	0.15					119
2	131	21.53	21.50	34.811	24.213	375.1	0.646	4.60	91.4	2.0	0.13					131
1	139	21.12	21.09	34.814	24.328	364.4	0.676	4.52	89.2	3.0	0.19					139
1	170	20.46	20.43	34.820	24.512	348.0	0.786	4.55	88.7	3.0	0.22					171
1	209	19.39	19.35	34.817	24.792	322.6	0.917	4.74	90.6	3.0	0.19					210
1	249	18.63	18.59	34.807	24.980	306.0	1.043	4.62	87.0	4.0	0.27					250
1	288	17.87	17.82	34.795	25.160	289.9	1.159	4.48	83.1	5.0	0.37					289
1	328	17.14	17.09	34.778	25.325	275.4	1.272	4.53	82.9	6.0	0.42					329
1	427	15.14	15.07	34.648	25.685	243.2	1.529	4.33	76.1	11.0	0.70					429
1	496	13.10	13.03	34.493	25.995	214.2	1.687	4.15	69.9	18.0	1.00					499
1	565	11.49	11.42	34.423	26.251	190.2	1.826	3.67	59.7	30.0	1.38					568
1	643	8.81	8.74	34.248	26.571	158.3	1.962	3.27	50.1	45.0	1.84					647
1	731	7.43	7.36	34.296	26.815	134.9	2.091	2.57	38.1	66.0	2.30					736
1	828	5.54	5.47	34.290	27.057	110.1	2.210	2.00	28.4	89.0	2.63					833
1	925	4.54	4.47	34.332	27.205	95.3	2.309	1.72	23.8	117.0	2.82					931
1	1022	3.84	3.76	34.371	27.310	84.8	2.397	1.57	21.4	119.0	2.92					1030
1	1167	3.33	3.25	34.420	27.399	76.2	2.513	1.50	20.2	132.0	2.97					1176
1	1310	2.95	2.86	34.469	27.474	69.1	2.617	1.64	21.9	138.0	3.01					1321
1	1453	2.61	2.51	34.511	27.538	62.9	2.712	1.85	24.5	144.0	2.97					1466
1	1598	2.38	2.27	34.548	27.588	58.3	2.800	2.02	26.6	148.0	2.92					1613
1	1746	2.22	2.10	34.574	27.622	55.2	2.884	2.22	29.1	150.0	2.87					1763

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 12

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
32 50.0 N		138 43.0 E	19/08/73	1052 GMT	2225 m	020	15 kn	240 02	1	1014.9 mb	28.4 C	25.5 C		2/8	CU	
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	28.36	28.36	34.534	21.928	588.0	0.000	4.61	102.9	2.0	0.05					0
2	20	28.34	28.34	34.531	21.934	588.4	0.118	4.63	103.3	1.0	0.04					20
1	36	27.54	27.53	34.555	22.214	562.3	0.210	4.72	103.9	2.0	0.03					36
2	50	26.31	26.30	34.678	22.699	516.6	0.285	4.82	104.0	2.0	0.06					50
2	80	23.48	23.46	34.758	23.617	430.0	0.427	5.11	105.1	2.0	0.04					80
1	105	22.82	22.80	34.756	23.808	412.8	0.533	4.55	92.5	2.0	0.04					105
2	119	22.09	22.07	34.807	24.054	389.9	0.589	4.93	99.0	2.0	0.07					119
1	175	20.04	20.01	34.823	24.626	337.3	0.792	4.58	88.6	3.0	0.10					176
1	262	18.06	18.01	34.812	25.125	292.4	1.066	4.51	84.0	4.0	0.30					263
1	361	16.37	16.31	34.736	25.474	261.9	1.341	4.43	79.8	8.0	0.50					363
1	458	14.20	14.13	34.583	25.838	229.0	1.579	4.16	71.7	16.0	0.79					460
1	553	11.48	11.41	34.390	26.226	192.2	1.775	3.98	64.7	25.0	1.11					556
1	648	8.73	8.66	34.228	26.568	158.6	1.945	3.40	52.0	45.0	1.82					652
1	800	5.78	5.71	34.258	27.003	115.4	2.154	2.16	30.8	83.0	2.52					805
1	951	4.22	4.15	34.346	27.251	90.6	2.309	1.65	22.7	113.0	2.71					958
1	1103	3.68	3.60	34.409	27.357	80.7	2.439	1.53	20.8	123.0	2.72					1112
1	1255	3.27	3.18	34.430	27.414	75.4	2.558	1.61	21.6	133.0	2.95					1265
1	1408	2.79	2.69	34.498	27.512	65.7	2.666	1.74	23.1	143.0	2.98					1420
1	1564	2.54	2.43	34.527	27.558	61.5	2.765	1.89	24.9	148.0	2.85					1578
1	1723	2.33	2.21	34.556	27.599	57.7	2.860	2.13	28.0	144.0	2.92					1740

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 15

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
33 0.5 N	138 50.5 E	19/08/73	2157 GMT	1697 m	270 15 kn	270 04 06	1	1017.9 mb	28.8 C	26.0 C		3/8	SC			
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	28.32	28.32	34.549	21.953	585.6	0.000	4.53	101.0	2.0	0.00					0
2	20	28.32	28.32	34.549	21.955	586.5	0.117	4.56	101.7	2.0	0.01					20
2	50	24.77	24.76	34.520	23.053	482.6	0.278	5.01	105.3	2.0	0.02					50
2	80	23.01	22.99	34.754	23.750	417.3	0.413	4.89	99.8	2.0	0.07					80
2	120	21.36	21.34	34.826	24.271	369.1	0.570	4.48	88.8	3.0	0.22					120
2	160	19.79	19.76	34.816	24.686	331.0	0.710	4.55	87.6	3.0	0.22					161
1	168	19.57	19.54	34.817	24.744	325.6	0.736	4.53	86.9	3.0	0.20					169
1	206	18.63	18.59	34.814	24.983	304.1	0.856	4.71	88.7	3.0	0.21					207
2	211	18.65	18.61	34.809	24.974	305.1	0.871	4.61	86.9	4.0	0.25					212
1	245	17.99	17.95	34.783	25.120	292.3	0.973	4.37	81.3	6.0	0.37					246
1	293	17.03	16.98	34.766	25.340	272.7	1.108	4.42	80.7	6.0	0.45					294
1	342	16.16	16.10	34.716	25.506	258.1	1.238	4.42	79.3	9.0	0.60					344
1	391	15.10	15.04	34.647	25.692	241.4	1.361	4.28	75.1	12.0	0.71					393
1	459	13.20	13.14	34.507	25.984	214.2	1.515	4.06	68.5	18.0	1.03					461
1	527	11.31	11.24	34.403	26.267	187.5	1.652	3.65	59.1	30.0	1.39					530
1	614	9.24	9.17	34.262	26.513	163.8	1.805	3.35	51.8	40.0	1.74					618
1	712	6.88	6.81	34.220	26.830	132.2	1.950	2.63	38.5	65.0	2.20					716
1	807	5.31	5.24	34.263	27.063	108.9	2.064	2.01	28.4	88.0	2.56					812
1	904	4.56	4.49	34.330	27.202	95.4	2.164	1.68	23.3	104.0	2.76					910
1	1000	3.76	3.69	34.386	27.330	82.5	2.249	1.51	20.5	119.0	2.89					1007
1	1155	3.27	3.19	34.434	27.416	74.4	2.371	1.50	20.2	134.0	2.89					1164

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 17

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
32 59.5 N		138 18.0 E	20/08/73	0905 GMT	3950 m	340 08 kn	250 01 03	1	1017.9 mb	29.9 C	26.3 C		3/8	SC		
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	28.63	28.63	34.509	21.821	598.3	0.000	4.78	107.1	2.0	0.05					0
2	20	28.61	28.61	34.548	21.858	595.7	0.119	4.59	102.9	2.0	0.02					20
2	50	26.51	26.50	34.706	22.657	520.6	0.287	4.81	104.2	2.0	0.03					50
2	79	24.17	24.15	34.792	23.440	446.9	0.427	4.80	100.0	2.0	0.06					79
2	118	21.70	21.68	34.823	24.175	378.3	0.588	4.60	91.7	3.0	0.15					118
2	157	20.09	20.06	34.819	24.609	338.2	0.728	4.55	88.1	3.0	0.20					157
2	205	18.50	18.46	34.804	25.008	301.6	0.881	4.55	85.5	5.0	0.29					206
2	254	17.40	17.36	34.763	25.248	280.2	1.024	4.44	81.7	6.0	0.37					255
2	302	16.40	16.35	34.733	25.463	261.0	1.154	4.52	81.5	7.0	0.41					303
2	369	14.82	14.76	34.619	25.730	236.9	1.321	4.17	72.8	14.0	0.74					371
2	433	12.87	12.81	34.488	26.035	208.5	1.463	4.03	67.5	20.0	1.01					435
2	518	11.04	10.97	34.433	26.339	180.2	1.628	3.39	54.6	37.0	1.53					521
2	611	8.88	8.81	34.269	26.576	157.3	1.785	3.19	48.9	45.0	1.86					615
2	705	7.22	7.15	34.304	26.850	130.8	1.921	2.53	37.4	68.0	2.29					709
2	798	5.61	5.54	34.261	27.026	112.8	2.034	2.10	29.9	84.0	2.42					803
1	885	4.38	4.31	34.321	27.214	93.7	2.124	1.63	22.5	108.0	2.75					891
2	893	4.49	4.42	34.301	27.186	96.6	2.131	1.70	23.5	106.0	2.83					899
1	1041	3.60	3.52	34.405	27.361	79.6	2.262	1.45	19.7	123.0	2.88					1049
2	1048	3.67	3.59	34.398	27.349	81.0	2.267	1.90	104.0	104.0	2.62					1056
1	1198	3.10	3.01	34.456	27.450	71.1	2.381	1.61	21.6	133.0	2.85					1208
1	1353	2.84	2.74	34.489	27.500	66.6	2.488	1.68	22.3	138.0	2.94					1365
1	1509	2.65	2.54	34.521	27.543	63.0	2.589	1.84	24.4	144.0	2.74					1523
1	1664	2.40	2.28	34.550	27.588	58.7	2.684	2.02	26.6	146.0	2.75					1680
1	1822	2.25	2.12	34.577	27.623	55.7	2.774	2.21	28.9	148.0	2.80					1840
1	1977	2.07	1.93	34.613	27.676	50.9	2.858	2.61	34.0	148.0	2.79					1998
1	2132	1.96	1.81	34.613	27.676	50.9	2.938	2.65	34.4	150.0	2.86					2155
1	2288	1.89	1.73	34.624	27.692	49.8	3.017	2.75	35.7	149.0	2.80					2314
1	2443	1.78	1.61	34.636	27.710	48.1	3.093	2.95	38.1	149.0	2.80					2472
1	2599	1.71	1.52	34.646	27.724	46.9	3.167	3.10	40.0	149.0	2.60					2631
1	2755	1.63	1.43	34.659	27.742	45.5	3.239	3.23	41.6	148.0	2.47					2790
1	2911	1.57	1.36	34.664	27.751	44.8	3.309	3.35	43.0	147.0	1.94					2949
1	3067	1.52	1.29	34.672	27.762	44.0	3.378	3.46	44.4	146.0	2.39					3108
1	3224	1.49	1.25	34.680	27.771	43.4	3.447	3.54	45.4	146.0	2.46					3268
1	3382	1.48	1.22	34.680	27.773	43.7	3.516	3.58	45.8	144.0	2.47					3430
1	3539	1.50	1.22	34.682	27.775	44.3	3.585	3.58	45.9	145.0	2.55					3591
1	3697	1.50	1.21	34.682	27.776	44.7	3.655	3.59	46.0	145.0	2.60					3752

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 27

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE	
33 42.5 N		139 31.0 E	22/08/73	1237 GMT	1787 m											
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	28.50	28.50	34.013	21.491	629.9	0.006									1
1	14	28.12	28.12	34.105 A	21.686	611.9	0.087									14
1	34	28.08	28.07	34.221 A	21.788	603.1	0.209									34
1	54	27.65	27.64	34.242	21.945	589.0	0.328									54
1	81	24.54	24.52	34.436	23.061	483.3	0.472									81
1	108	22.58	22.56	34.681	23.820	411.8	0.593									108
1	142	20.68	20.65	34.771	24.415	356.2	0.724									142
1	177	18.58	18.55	34.739	24.937	307.4	0.840									178
1	213	16.51	16.48	34.689	25.400	264.0	0.943									214
1	266	14.88	14.84	34.622	25.716	235.0	1.075									267
1	316	12.52	12.48	34.507	26.115	197.4	1.183									317
1	384	11.07	11.02	34.440	26.336	177.3	1.311									386
1	460	8.75	8.70	34.337	26.646	147.5	1.434									462
1	536	7.20	7.15	34.293	26.842	128.8	1.539									539
1	612	5.86	5.81	34.290	27.016	111.7	1.630									616
1	689	5.01	4.95	34.296	27.123	101.3	1.712									694
1	812	4.14	4.08	34.359	27.268	87.4	1.828									818
1	931	3.61	3.54	34.395	27.351	79.6	1.928									938
1	1045	3.25	3.18	34.442	27.423	72.8	2.015									1053
1	1155	2.94	2.86	34.473	27.477	67.8	2.092									1165

A) THE SALINITY SAMPLES AT 14 AND 34 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 33

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE
34 35.0 N		140 1.0 E	26/08/73	1945 GMT	2648 m											
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	853	3.58	3.52	34.362	27.327	81.1	0.692	1.64	22.2	127.0	2.47	U				860
1	871	3.52	3.46	34.365	27.335	80.3	0.706	1.76	23.8	131.0	2.86					879
1	898	3.46	3.40	34.376	27.350	79.0	0.728	1.67	22.6	132.0	2.89					906
1	933	3.41	3.34	34.382	27.360	78.3	0.755	1.76	23.7	134.0	2.92					941
1	969	3.31	3.24	34.386	27.373	77.1	0.783	1.79	24.1	135.0	3.02	U				978
1	1016	3.15	3.08	34.404	27.402	74.3	0.819	1.64	22.0	140.0	2.85	U				1025
1	1061	3.12	3.05	34.415	27.414	73.5	0.852	1.69	22.6	141.0	2.94					1071
1	1105	3.01	2.93	34.427	27.434	71.6	0.884	1.89	U	144.0	2.99					1115
1	1168	2.92	2.84	34.441	27.453	70.0	0.929	1.35	18.0	147.0	2.98					1179
1	1231	2.85	2.76	34.459	27.474	68.2	0.972	1.39	18.5	150.0	2.99					1243
1	1312	2.65	2.56	34.483	27.511	64.7	1.026	1.40	18.5	154.0	3.03					1325
1	1403	2.46	2.36	34.509	27.549	61.1	1.083	1.26	16.6	163.0	3.04	U				1417
1	1495	2.37	2.27	34.524	27.569	59.4	1.139	1.37	18.0	163.0	3.00					1510
1	1588	2.26	2.15	34.542	27.593	57.3	1.193	1.50	19.7	165.0	2.95					1605

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 34A

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
34 21.5 N	139 56.0 E	27/08/73	0024 GMT	1645 m												
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	156	16.44	16.41	34.631	25.369	265.0	0.413	4.00	72.2	16.0	0.75					157
1	203	13.22	13.19	34.522	25.985	207.0	0.524	3.71	62.7	28.0	1.12					204
1	250	12.56	12.53	34.497	26.097	197.3	0.619	3.63	60.5	30.0	1.23					251
1	315	9.96	9.92	34.365	26.469	162.2	0.736	3.27	51.5	45.0	1.65					317
1	382	8.72	8.68	34.313	26.631	147.4	0.840	3.00	45.9	54.0	1.91					384
1	467	6.40	6.36	34.287	26.943	117.1	0.952	2.26	32.8	80.0	2.28					470
1	562	5.30	5.25	34.274	27.070	105.2	1.058	2.01	28.4	94.0	2.50					566
1	658	4.71	4.66	34.290	27.151	97.8	1.155	1.79	24.9	106.0	2.76	U				663
1	754	4.43	4.37	34.325	27.210	92.8	1.247	1.69	23.4							760
1	849	3.87	3.81	34.358	27.295	84.6	1.331	1.56	21.3	121.0	2.82					856
1	1001	3.30	3.23	34.381	27.370	77.6	1.454	1.32	17.8	134.0	2.95					1009
1	1153	2.86	2.78	34.441	27.459	69.2	1.566	1.19	15.8	147.0	3.02					1163
1	1302	2.61	2.52	34.479	27.511	64.5	1.665	1.18	15.6	155.0	3.04					1314
1	1449	2.48	2.38	34.501	27.541	62.2	1.759	1.21	15.9	159.0	3.00					1463
1	1596	2.38	2.27	34.532	27.575	59.4	1.848	1.41	18.5	160.0	3.00					1612

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 34B

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
34 22.0 N	140 10.5 E	27/08/73	0211 GMT	1575 m	260 08 kn	260 03 05	1	1016.3 mb	28.1 C	26.1 C		4/8	AS			
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
1	1	27.14	27.14	33.981	21.908	590.0	0.006	4.68	102.1	3.0	0.05					1
1	21	26.48	26.48	34.066	22.182	564.7	0.121	4.68	101.0	3.0	0.07					21
1	50	25.33	25.32	34.194	22.637	522.4	0.279	4.59	97.2	4.0	0.14					50
1	79	21.97	21.95	34.483	23.839	408.6	0.414	4.34	86.8	7.0	0.32					79
1	118	19.53	19.51	34.596	24.583	339.0	0.560	4.18	80.0	10.0	0.49					118
1	155	19.01	18.98	34.635	24.748	324.6	0.683	4.15	78.7	10.0	0.53					156
1	202	15.45	15.42	34.581	25.557	248.3	0.817	3.91	69.1	20.0	0.90					203
1	248	10.62	10.59	34.398	26.380	169.5	0.913	3.34	53.3	41.0	1.54					249

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 37

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
34 0.5 N	140 5.5 E	27/08/73	1014 GMT	1088 m	220 20 kn	250 07 03	1	1016.6 mb	27.2 C	25.4 C		5/8	AC			
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
3	0	27.69	27.69	33.965	21.719	608.0	0.000	4.65	102.3	2.0	0.02					0
3	19	27.50	27.50	34.076	21.866	594.9	0.114	4.66	102.3	2.0	0.07					19
1	48	25.50	25.49	34.302	22.666	519.5	0.276	4.58	97.3	3.0	0.11					48
3	50	24.51	24.50	34.384	23.028	485.0	0.286	4.59	95.9	4.0	0.12					50
3	80	23.72	23.70	34.468	23.328	457.7	0.427	4.53	93.4	4.0	0.09					80
1	88	20.73	20.71	34.641	24.299	365.0	0.460	4.18	81.8	7.0	0.31					88
1	128	19.10	19.08	34.773	24.829	315.9	0.596	4.29	81.5	6.0	0.32					128
1	167	16.74	16.71	34.743	25.386	263.9	0.709	4.35	79.0	8.0	0.49					168
1	207	16.06	16.03	34.698	25.510	253.2	0.813	4.27	76.5	11.0	0.59					208
2	275	14.54	14.50	34.608	25.779	229.2	0.977	4.06	70.5	17.0	0.83					276
2	322	13.87	13.82	34.578	25.899	218.9	1.082	3.96	67.8	20.0	0.92					324
2	386	10.94	10.89	34.452 A	26.369	174.1	1.208	3.52	56.6	36.0	1.42					388
2	448	9.73	9.68	34.335	26.487	163.3	1.313	3.36	52.6	42.0	1.64					450
2	518	8.56	8.50	34.261	26.617	151.2	1.423	3.25	49.5	50.0	1.84					521
2	596	7.13	7.07	34.280	26.842	129.7	1.532	2.59	38.2	70.0	2.20					600
2	684	6.07	6.01	34.270	26.975	116.9	1.641	2.30	33.1	84.0	2.37					689
2	772	4.72	4.66	34.322	27.176	96.7	1.735	1.81	25.2	104.0	2.66					777
2	861	4.42	4.35	34.340	27.224	92.6	1.819	1.70	23.5	112.0	2.70					867
2	954	4.11	4.04	34.363	27.276	88.0	1.903	1.67	22.9	118.0	2.77					961
2	1052	3.80	3.72	34.387	27.327	83.3	1.987	1.61	21.9	124.0	2.80					1060

A) AN ERROR OF 2.0 DBMS HAS BEEN ASSUMED FOR THIS VALUE.

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 38

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE		
34 9.5 N	140 1.5 E	27/08/73	1437 GMT	1746 m	260 14 kn	250 03 08	1	1014.9 mb	27.7 C	24.8 C						
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	27.96	27.96	34.161	21.779	602.3	0.000	4.62	102.2	2.0	0.02					0
2	20	27.68	27.68	34.227	21.921	589.6	0.119	4.65	102.4	2.0	0.06					20
2	50	25.19	25.18	34.345	22.794	507.4	0.284	4.62	97.7	3.0	0.13					50
2	79	22.10	22.08	34.530	23.839	408.7	0.417	4.35	87.2	6.0	0.23					79
2	118	18.91	18.89	34.775	24.879	310.8	0.557	4.37	82.8	6.0	0.34					118
2	157	16.63	16.60	34.708	25.384	263.6	0.669	4.24	76.8	11.0	0.56					158
2	206	16.13	16.10	34.668	25.471	256.9	0.796	4.10	73.5	14.0	0.70					207
1	224	15.26	15.23	34.636	25.642	240.9	0.841	4.04	71.2	16.0	0.75					225
2	256	15.31	15.27	34.629	25.627	243.4	0.919	4.03	71.1	16.0	0.70					257
1	262	14.74	14.70	34.611	25.738	232.8	0.933	4.01	69.9	18.0	0.82					263
1	300	14.47	14.43	34.596	25.786	229.3	1.021	3.99	69.2	19.0	0.86					301
2	306	13.97	13.93	34.572	25.873	221.0	1.034	3.88	66.6	22.0	0.97					307
1	338	13.71	13.66	34.558	25.917	217.6	1.104	3.85	65.7	23.0	1.02					340
1	385	11.64	11.59	34.449	26.239	186.9	1.200	3.57	58.3	34.0	1.36					387
1	432	9.27	9.22	34.336	26.563	155.3	1.280	3.13	48.5	50.0	1.72					434
1	478	7.64	7.59	34.262	26.754	136.5	1.347	2.76	41.2	61.0	2.05					481
1	533	7.22	7.17	34.276	26.825	130.3	1.420	2.57	38.0	68.0	2.21					536
1	596	6.23	6.18	34.287	26.967	116.6	1.498	2.26	32.6	82.0	2.42					600
1	668	5.28	5.22	34.306	27.099	103.7	1.578	1.95	27.5	98.0	2.65					672
1	730	4.96	4.90	34.312	27.141	100.0	1.641	1.88	26.3	103.0	2.68					735
1	818	4.45	4.39	34.334	27.216	93.0	1.726	1.59	22.0	112.0	2.75					824
1	904	3.85	3.78	34.376	27.312	83.5	1.801	1.61	22.0	123.0	2.86					911
1	991	3.58	3.51	34.399	27.358	79.4	1.872	1.53	20.7	128.0	2.88					999
1	1076	3.21	3.13	34.438	27.424	72.9	1.937	1.60	21.5	136.0	2.91					1085
1	1167	3.02	2.94	34.463	27.462	69.5	2.002	1.63	21.8	139.0	2.92					1177
1	1258	2.72	2.63	34.469	27.494	66.2	2.064	1.33	17.6	149.0	3.02					1269
1	1352	2.56	2.47	34.495	27.529	63.0	2.124	1.28	16.9	157.0	3.03					1364
1	1446	2.34	2.24	34.529	27.575	58.5	2.181	1.40	18.4	159.0	3.05					1460

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 40

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE		
34 1.5 N	139 51.5 E	27/08/73	2237 GMT		270 18 kn	270 04 07	1	1015.2 mb	27.8 C	26.1 C			4.8	CS		
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m		DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	2	28.07	28.07	34.208	21.779	602.4	0.012	4.63	102.7	2.0	0.03					2
2	19	27.20	27.20	34.241	22.086	573.8	0.112	4.65	101.6	3.0	0.05					19
2	37	26.04	26.03	34.313	22.507	534.3	0.212	4.58	98.2	3.0	0.12					37
2	55	24.73	24.72	34.399	22.974	490.4	0.304	4.54	95.3	4.0	0.15					55
2	72	22.00	21.99	34.628	23.941	398.7	0.380	4.47	89.5	5.0	0.23					72
2	88	20.82	20.80	34.700	24.320	363.0	0.440	4.34	85.1	6.0	0.29					88
2	114	19.91	19.89	34.693	24.558	341.3	0.532	4.26	82.2	7.0	0.39					114
2	148	17.38	17.36	34.672	25.179	283.0	0.638	4.10	75.4	12.0	0.61					149
2	184	16.25	16.22	34.653	25.431	259.9	0.736	4.05	72.8	15.0	0.73					185
2	223	15.78	15.74	34.635	25.526	252.1	0.836	4.03	71.8	16.0	0.76					224
1	224	15.82	15.78	34.562 U			0.838	3.99	71.1	16.0	0.77					225
2	263	15.07	15.03	34.614	25.669	239.5	0.934	4.03	70.7	18.0	0.88					264
1	284	13.70	13.66	34.557	25.916	216.0	0.982	3.85	65.7	21.0	0.96					285
1	344	12.29	12.24	34.486	26.144	195.3	1.106	3.70	61.3	29.0	1.14					346
1	408	10.67	10.62	34.410	26.384	173.0	1.223	3.44	55.0	38.0	1.50					410
1	478	8.54	8.49	34.320	26.666	145.8	1.335	2.97	45.3	55.0	1.94					481
1	552	6.86	6.81	34.269	26.869	126.0	1.436	2.53	37.1	69.0	2.18					555
1	624	6.19	6.13	34.282	26.969	116.8	1.523	2.22	32.0	79.0	2.38					628
1	693	5.12	5.06	34.305	27.117	102.1	1.599	1.90	26.7	95.0	2.64					698
1	762	4.39	4.33	34.332	27.220	91.9	1.665	1.68	23.2	110.0	2.80					767
1	864	4.06	3.99	34.359	27.277	86.9	1.757	1.61	22.1							870
1	965	3.50	3.43	34.419	27.381	76.8	1.839	1.59	21.5	130.0	2.94					973

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 43A

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
34 12.5 N	139 42.0 E	28/08/73	0836 GMT	872 m	230 09 kn	130 07 05	0	1013.9 mb	27.6 C	26.0 C		9/8				
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	104	18.24	18.22	34.646	24.947	303.6	0.316	4.16	77.7	12.0	0.48					104
1	123	17.92	17.90	34.645	25.026	296.7	0.373	4.09	75.9	12.0	0.57					124
1	142	17.27	17.25	34.658	25.194	281.3	0.428	4.07	74.6	13.0	0.65					143
1	162	16.89	16.86	34.648	25.277	274.0	0.483	4.08	74.3	14.0	0.68					163
1	190	15.64	15.61	34.622	25.546	249.1	0.556	4.01	71.2	18.0	0.80					191
1	228	14.93	14.90	34.604	25.690	236.3	0.649	3.98	69.7	19.0	0.84					229
1	266	13.25	13.21	34.538	25.993	208.0	0.733	3.78	63.9	26.0	1.07					267
1	304	12.13	12.09	34.484	26.172	191.5	0.809	3.54	58.4	34.0	1.27					306
1	342	11.14	11.10	34.440	26.322	177.6	0.879	3.41	55.1	39.0	1.44					344
1	390	7.94	7.90	34.314	26.750	135.7	0.954	2.75	41.3	63.0	2.02					392
1	437	7.23	7.19	34.300	26.841	127.2	1.016	2.53	37.4	72.0	2.19					440
1	504	6.50	6.45	34.283	26.928	119.3	1.099	2.34	34.0	80.0	2.28					507
1	570	5.52	5.47	34.301	27.066	106.0	1.173	2.04	29.0	93.0	2.58					574
1	646	5.04	4.99	34.318	27.136	99.6	1.251	1.94	27.2	99.0	2.61					651
1	732	4.34	4.28	34.331	27.224	91.1	1.333	2.46 U		115.0	2.74					737
1	824	3.73	3.67	34.372	27.320	81.8	1.413	1.49	20.3	126.0	2.85					830

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 43B

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL		CLD AMT	TYPE	
34 11.5 N		139 45.5 E	28/08/73	0939 GMT	932 m	230 09 kn	130 07 05	0	1013.9 mb	27.6 C	26.0 C			9/8		
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	27.92	27.92	34.160	21.791	601.1	0.000	4.72	104.4	2.0	0.03					0
2	20	27.03	27.03	34.579	22.395	544.3	0.115	4.71	102.9	2.0	0.02					20
2	39	24.88	24.87	34.615	23.091	478.6	0.212	4.64	97.7	3.0	0.10					39
2	58	21.92	21.91	34.615	23.952	397.0	0.295	4.37	87.4	7.0	0.18					58
2	77	20.89	20.88	34.601	24.225	371.6	0.368	4.34	85.2	8.0	0.30					77
2	94	20.75	20.73	34.600	24.263	368.7	0.431	4.32	84.6	8.0	0.27					94
2	121	20.49	20.47	34.599	24.333	363.1	0.530	4.30	83.8	8.0	0.38					121

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 44

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
34 21.0 N	139 34.0 E	28/08/73	1218 GMT	1038 m	260 12 kn	03 02 0		1014.6 mb	27.0 C	25.9 C						
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	26.62	26.62	34.160	22.208	561.3	0.000	4.77	103.2	3.0	0.07					0
2	19	25.58	25.58	34.280	22.623	522.4	0.103	4.68	99.6	3.0	0.09					19
2	38	23.51	23.50	34.317	23.272	461.1	0.196	4.65	95.5	5.0	0.20					38
2	58	21.85	21.84	34.397	23.806	410.9	0.284	4.60	91.8	7.0	0.28					58
2	79	19.69	19.68	34.560	24.512	344.3	0.363	4.38	84.1	9.0	0.44					79
2	99	18.55	18.53	34.495	24.754	321.8	0.429	4.39	82.4	12.0	0.54					99
2	129	15.56	15.54	34.569	25.521	249.4	0.515	3.97	70.4	19.0	0.85					129
2	169	14.82	14.79	34.538	25.661	237.2	0.612	3.92	68.4	23.0	0.98					170
2	208	13.68	13.65	34.532	25.899	215.4	0.701	3.79	64.6	26.0	1.08					209
1	242	12.17	12.14	34.478	26.158	191.2	0.770	3.52	58.1	34.0	1.15					243
2	250	11.81	11.78	34.456	26.209	186.3	0.785	3.52	57.7	35.0	1.31					251
1	262	11.37	11.34	34.449	26.286	179.2	0.807	3.43	55.7	38.0	1.30					263
1	281	11.03	11.00	34.428	26.331	175.1	0.841	3.37	54.3	41.0	1.46					282
2	290	10.83	10.79	34.412	26.355	173.0	0.856	3.35	53.7	41.0	1.52					292
1	311	10.26	10.22	34.404	26.449	164.3	0.892	3.22	51.0	46.0	1.61					313
2	338	9.62	9.58	34.363	26.525	157.2	0.935	3.10	48.4	49.0	1.72					340
1	351	9.17	9.13	34.363	26.599	150.2	0.955	3.00	46.4	54.0	1.79					353
1	392	8.32	8.28	34.332	26.708	140.0	1.015	2.81	42.6	62.0	1.91					394
1	432	7.43	7.39	34.318	26.828	128.6	1.068	2.56	38.0	70.0	2.09					435
1	472	6.59	6.55	34.301	26.930	118.7	1.118	2.37	34.5	80.0	2.33					475
1	521	6.10	6.05	34.288	26.983	113.8	1.175	2.23	32.1	86.0	2.43					524
1	570	5.57	5.52	34.287	27.049	107.7	1.229	2.13	30.3	92.0	2.52					574
1	638	4.97	4.92	34.292	27.123	100.6	1.300	1.90	26.6	101.0	2.68					642
1	705	4.57	4.51	34.314	27.186	94.8	1.365	1.78	24.7	112.0	2.75					710
1	780	4.02	3.96	34.350	27.273	86.4	1.433	1.59	21.8	121.0	2.83					786
1	862	3.45	3.39	34.395	27.366	77.2	1.500	1.47	19.9		2.89					869
1	959	3.17	3.10	34.417	27.410	73.2	1.573	1.35	18.1	141.0	2.98					967
1	1055	3.05	2.98	34.438	27.439	70.9	1.642	1.32	17.7	144.0	3.00					1064

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 45

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREI	CLD AMT	TYPE			
34 5.5 N	139 49.0 E	28/08/73	1718 GMT	1084 m	240 04 kn	180 02 09	1	1013.9 mb	28.1 C	26.2 C						
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	27.98	27.98	34.285	21.866	594.0	0.000	4.62	102.3	2.0	0.04					0
2	20	27.31	27.31	34.509	22.252	557.9	0.115	4.70	103.1	2.0	0.04					20
2	40	26.26	26.25	34.523	22.597	525.9	0.224	4.61	99.4	3.0	0.08					40
2	60	25.97	25.96	34.492	22.666	520.2	0.328	4.55	97.6	3.0	0.10					60
2	80	25.79	25.77	34.488	22.720	515.9	0.432	4.57	97.7	3.0	0.10					80
2	100	25.73	25.71	34.483	22.736	515.3	0.535	4.57	97.6	3.0	0.11					100
2	130	21.24	21.21	34.637	24.161	380.0	0.669	4.32	85.3	7.0	0.33					130
2	170	19.95	19.92	34.684	24.543	344.9	0.814	4.21	81.2	8.0	0.41					171
2	210	17.04	17.01	34.670	25.261	277.3	0.939	4.10	74.8	12.0	0.52					211
2	249	13.07	13.04	34.522	26.016	205.2	1.033	3.81	64.2	26.0	0.99					250
1	250	13.96	13.92	34.566	25.868	219.7	1.035	3.92	67.2	21.0	0.96					251
2	289	12.41	12.37	34.490	26.122	196.0	1.116	3.68	61.1	30.0	1.03					290
1	301	12.66	12.62	34.515	26.093	199.2	1.140	3.77	62.9	27.0	1.14					302
2	340	10.73	10.69	34.419	26.379	171.9	1.212	3.31	53.0	43.0	1.54					342
1	355	10.44	10.40	34.418 A	26.430	167.2	1.237	3.47	55.2	36.0	1.37					357
1	410	8.23	8.19	34.329	26.719	139.2	1.322	2.86	43.3	58.0	1.86					412
1	467	7.13	7.09	34.299	26.855	126.3	1.397	2.66	39.2	63.0	2.10					470
1	522	6.58	6.53	34.300	26.931	119.4	1.465	2.45	35.7	74.0	2.22					525
1	577	5.76	5.71	34.290	27.028	110.0	1.528	2.19	31.3	82.0	2.23					581
1	633	5.21	5.16	34.329	27.125	100.8	1.587	1.97	27.8	96.0	2.51					637
1	725	4.53	4.47	34.323	27.198	93.9	1.676	1.78	24.7	106.0	2.47					730
1	834	3.94	3.88	34.369	27.297	84.5	1.774	1.62	22.1	122.0	2.71					840

A) AN ERROR OF 0.1 OHM HAS BEEN ASSUMED FOR THIS VALUE.

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
32 39.5 N	138 35.0 E	29/08/73	1606 GMT	2337	230 12 kn			1014.6 mb	27.8 C	24.8 C						
CST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SIO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	28.18	28.18	34.418	21.900	590.7	0.000	4.62	102.7	2.0	0.03					0
2	20	27.94	27.94	34.440	21.997	582.4	0.117	4.66	103.2	2.0	0.02					20
2	49	26.40	26.39	34.566	22.586	527.3	0.278	4.74	102.4	2.0	0.03					49
2	78	23.73	23.71	34.790	23.568	434.6	0.418	4.85	100.2	2.0	0.09					78
2	118	21.84	21.82	34.851	24.157	379.9	0.581	4.78	95.6	2.0	0.12					118
2	157	20.53	20.50	34.846	24.513	347.4	0.722	4.89	95.5	2.0	0.09					157
2	206	19.04	19.00	34.802	24.870	314.9	0.885	4.89	92.8	2.0	0.17					207
2	256	18.40	18.35	34.810	25.040	300.5	1.039	4.79	89.8	4.0	0.32					257
1	301	17.41	17.36	34.789	25.267	280.0	1.169	4.51	83.0	6.0	0.39					302
2	307	17.48	17.43	34.786	25.249	282.0	1.186	4.56	84.0	5.0	0.40					308
1	370	16.33	16.27	34.737	25.480	261.6	1.357	4.49	80.8	7.0	0.46					372
2	378	16.38	16.32	34.737	25.473	262.6	1.378	4.55	82.0	7.0	0.49					380
2	450	14.72	14.65	34.617	25.753	237.2	1.558	4.35	75.8	13.0	0.73					452
1	460	14.60	14.53	34.553	25.730	239.6	1.582	4.31	74.8	13.0	0.75					462
1	557	11.51	11.44	34.404	26.232	191.8	1.791	3.77	61.3	29.0	1.29					560
1	654	9.34	9.27	34.335	26.555	160.8	1.962	3.12	48.4	48.0	1.77					658
1	751	7.21	7.14	34.242	26.803	135.9	2.106	2.67	39.4	66.0	2.21					756
1	848	6.07	5.99	34.304	27.004	116.5	2.229	2.13	30.6	86.0	2.42					854
1	1004	4.35	4.27	34.322	27.219	94.4	2.393	1.67	23.0	111.0	2.84					1011
1	1159	3.70	3.61	34.387	27.338	83.0	2.531	1.53	20.8	125.0	2.84					1168
1	1313	3.14	3.05	34.449	27.441	72.8	2.651	1.62	21.7	136.0	2.89					1324
1	1466	2.76	2.66	34.493	27.511	66.1	2.757	1.72	22.8	146.0	2.88					1479
1	1622	2.54	2.43	34.542	27.570	60.7	2.856	1.92	25.3	149.0	2.87					1637
1	1777	2.37	2.25	34.553	27.594	58.7	2.948	2.08	27.3	150.0	2.86					1794
1	1933	2.20	2.06	34.577	27.628	55.6	3.037	2.33	30.5	152.0	2.83					1953
1	2088	1.92	1.78	34.618	27.683	49.8	3.119	2.69	34.9	152.0	2.69					2110
1	2243	1.84	1.68	34.631	27.701	48.5	3.195	2.83	36.7	151.0	2.61					2268
1	2396	1.74	1.57	34.642	27.718	46.9	3.268	2.99	38.6	150.0	2.62					2424

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
32 39.0 N	138 20.0 E	29/08/73	2218 GMT	3568 m	250 12 kn	220 03 06	1	1015.9 mb	28.7 C	25.0 C		3/8	SC		
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	28.02	28.02	34.367	21.914	589.3	0.000	4.58	101.6	1.0	0.02				0
2	19	27.91	27.91	34.367	21.952	586.7	0.112	4.65	102.9	2.0	0.02				19
2	48	24.77	24.76	34.694	23.185	470.0	0.265	5.09	107.1	1.0	0.02				48
2	77	22.73	22.71	34.812	23.874	405.3	0.392	4.95	100.5	2.0	0.04				77
2	115	21.05	21.03	34.828	24.357	360.7	0.537	4.59	90.5	3.0	0.18				115
2	153	19.62	19.59	34.797	24.715	327.8	0.668	4.97	95.4	3.0	0.11				154
2	200	18.99	18.95	34.788	24.872	314.5	0.819	4.93	93.5	2.0	0.16				201
2	246	18.82	18.78	34.793	24.921	311.5	0.963	4.95	93.5	3.0	0.17				247
2	293	18.14	18.09	34.793	25.093	296.7	1.106	4.73	88.2	4.0	0.30				294
2	359	16.95	16.89	34.766	25.362	272.9	1.294	4.55	82.9	6.0	0.43				361
2	425	15.80	15.73	34.699	25.578	253.8	1.468	4.45	79.2	9.0	0.57				427
2	508	13.73	13.66	34.543	25.906	223.6	1.666	4.20	71.6	16.0	0.87				511
2	603	11.58	11.50	34.399	26.216	194.5	1.865	3.89	63.4	27.0	1.25				606
2	697	8.22	8.15	34.219	26.639	152.1	2.027	3.22	48.6	51.0	1.86				701
1	779	6.36	6.29	34.226	26.904	125.4	2.141	2.40	34.7	74.0	2.22				784
2	792	6.10	6.03	34.231	26.942	121.6	2.157	2.25	32.4	78.0	2.41				797
1	876	4.77	4.70	34.310	27.162	99.3	2.250	1.71	23.8	104.0	2.61				882
2	889	4.63	4.56	34.316	27.183	97.2	2.263	1.70	23.6	107.0	2.74				895
1	1032	4.08	4.00	34.352	27.271	89.1	2.396	1.56	21.4	117.0	2.47				1040
1	1189	3.64	3.55	34.395	27.350	81.9	2.530	1.51	20.5	126.0	2.84				1198
1	1344	3.22	3.12	34.438	27.425	74.8	2.652	1.47	19.7	133.0	2.75				1355
1	1500	2.97	2.86	34.463	27.469	71.0	2.765	1.66	22.1	140.0	2.80				1513
1	1656	2.66	2.54	34.511	27.535	64.6	2.871	1.81	24.0	144.0	2.88				1672
1	1812	2.37	2.24	34.549	27.591	59.2	2.968	2.06	27.1	148.0	2.84				1830
1	1967	2.21	2.07	34.575	27.625	56.0	3.057	2.29	30.0	150.0	2.76				1987
1	2122	2.06	1.91	34.599	27.658	53.1	3.142	2.50	32.6	151.0	2.76				2145
1	2276	1.92	1.76	34.616	27.683	50.7	3.222	2.71	35.2	149.0	2.71				2302
1	2431	1.86	1.69	34.626	27.696	49.8	3.299	2.86	37.1	149.0	2.63				2459
1	2587	1.74	1.55	34.645	27.722	47.4	3.375	2.92	37.7	148.0	2.64				2618
1	2741	1.67	1.47	34.652	27.733	46.5	3.447	3.11	40.1	148.0	2.55				2775
1	2895	1.62	1.41	34.660	27.744	45.7	3.518	3.23	41.6	147.0	2.57				2932
1	3050	1.57	1.34	34.671	27.758	44.7	3.588	3.33	42.8	148.0	2.55				3090
1	3205	1.54	1.30	34.675	27.764	44.4	3.658	3.38	43.4	148.0	2.51				3249
1	3362	1.51	1.25	34.677	27.769	44.3	3.727	3.50	44.9	145.0	2.48				3409
1	3518	1.50	1.23	34.682	27.774	44.2	3.796	3.52	45.1	145.0	2.50				3569

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 58

LATITUDE	LONGITUDE	DAY/MO/YR	MESSANGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
33 1.0 N	138 33.0 E	31/08/73	0228 GMT	3165 m	310 07 kn	290 07 04	0	1015.2 mb	30.0 C	25.9 C		0/8				
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			mL/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	28.50	28.50	34.243	21.664	613.3	0.000	4.60	102.7	2.0	0.06					0
2	20	28.29	28.29	34.332	21.801	601.1	0.121	4.66	103.8	2.0	0.03					20
2	50	26.16	26.15	34.561	22.658	520.5	0.290	4.68	100.7	2.0	0.10					50
2	80	23.30	23.28	34.860	23.747	417.6	0.430	5.14	105.5	2.0	0.08					80
2	120	20.89	20.87	34.838	24.408	356.0	0.585	4.85	95.3	3.0	0.12					120
2	160	19.24	19.21	34.803	24.818	318.2	0.720	4.93	93.9	3.0	0.19					161
2	210	18.70	18.66	34.801	24.956	306.9	0.876	4.87	91.8	3.0	0.20					211
2	260	17.91	17.87	34.793	25.148	290.2	1.026	4.77	88.6	4.0	0.30					261
2	310	17.16	17.11	34.777	25.318	275.4	1.167	4.63	84.7	6.0	0.40					311
2	381	16.01	15.95	34.714	25.540	256.1	1.356	4.52	80.8	8.0	0.53					383
2	451	14.29	14.22	34.585	25.820	230.5	1.526	4.35	75.1	13.0	0.79					453
2	540	11.94	11.87	34.426	26.169	197.8	1.716	3.92	64.4	26.0	1.15					543
1	577	10.41	10.34	34.349	26.386	176.5	1.786	3.59	57.0	35.0	1.52					580
2	636	9.37	9.30	34.373	26.580	158.2	1.884	3.01	46.7	51.0	1.77					640
1	675	7.29	7.22	34.218	26.772	137.8	1.942	2.75	40.7	62.0	2.04					679
2	735	6.45	6.38	34.261	26.920	123.4	2.020	2.29	33.2	77.0	2.36					740
1	773	5.91	5.84	34.245	26.976	117.7	2.066	2.16	30.9	82.0	2.46					778
1	871	4.58	4.51	34.306	27.180	97.2	2.172	1.75	24.3	107.0	2.56					877
1	968	4.00	3.93	34.358	27.283	87.2	2.261	1.58	21.6	119.0	2.67					975
1	1123	3.46	3.38	34.412	27.380	78.0	2.389	1.52	20.5	130.0	2.79					1132
1	1280	3.00	2.91	34.464	27.466	69.9	2.505	1.62	21.6	138.0	2.92					1291
1	1434	2.70	2.60	34.499	27.521	64.8	2.609	1.78	23.6	145.0	2.82					1447
1	1588	2.48	2.37	34.535	27.569	60.4	2.705	1.97	26.0	147.0	2.73					1603
1	1743	2.31	2.19	34.561	27.605	57.2	2.796	2.12	27.8	151.0	2.88					1760
1	1899	2.15	2.02	34.590	27.642	53.9	2.883	2.34	30.6	151.0	2.79					1919
1	2054	2.06	1.92	34.602	27.659	52.6	2.966	2.52	32.8	150.0	2.73					2076
1	2209	1.93	1.77	34.617	27.682	50.5	3.045	2.66	34.5	150.0	2.74					2234
1	2364	1.85	1.68	34.637	27.705	48.6	3.122	2.83	36.7	150.0	2.70					2391
1	2522	1.78	1.60	34.646	27.719	47.6	3.198	2.97	38.4	149.0	2.65					2552
1	2680	1.71	1.52	34.655	27.732	46.6	3.273	3.10	40.0	150.0	2.64					2713
1	2837	1.66	1.45	34.664	27.744	45.8	3.345	3.20	41.2	150.0	2.61					2873
1	2998	1.58	1.36	34.673	27.758	44.5	3.418	3.37	43.3	148.0	2.60					3038
1	3155	1.52	1.28	34.68	27.769	43.6	3.487	3.49	44.8	147.0	2.46					3198

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 61

LATITUDE		LONGITUDE	DAY/MO/YR	MESSANGER	BOTTOM	WIND SPEED		WAVES		WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE
33 20.0 N		138 54.0 E	31/08/73	1903 GMT	1611 m	270	05 kn	020	02 08	2	1016.9 mb	27.7 C	24.9 C		8/8	SC
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	1	28.42	28.42	34.246	21.693	610.6	0.006	4.59	102.4	2.0	0.03					1
2	19	28.39	28.39	34.259	21.714	609.5	0.116	4.61	102.8	2.0	0.03					19
2	47	28.04	28.03	34.426	21.956	587.6	0.284	4.60	102.0	2.0	0.03					47
2	76	26.36	26.34	34.540	22.581	529.0	0.445	4.62	99.7	2.0	0.08					76
2	115	22.32	22.30	34.821	24.000	394.9	0.626	4.94	99.6	2.0	0.10					115
2	154	20.17	20.14	34.817	24.586	340.2	0.769	4.64	90.0	4.0	0.20					154
2	203	18.47	18.43	34.791	25.005	301.8	0.926	4.43	83.2	6.0	0.35					204
2	253	17.12	17.08	34.740	25.297	275.4	1.071	4.35	79.6	9.0	0.53					254
2	303	15.27	15.22	34.656	25.658	241.9	1.200	4.34	76.5	12.0	0.68					304
2	373	13.56	13.51	34.535	25.931	217.2	1.361	4.16	70.7	18.0	0.92					375
1	430	11.25	11.20	34.404	26.276	184.2	1.475	3.67	59.4	32.0	1.36					432
2	442	11.69	11.63	34.430	26.216	190.5	1.497	3.71	60.6	29.0	1.29					444
1	476	10.04	9.98	34.307	26.414	171.1	1.559	3.63	57.2	36.0	1.56					478
1	522	8.89	8.83	34.355	26.640	149.5	1.633	2.95	45.3	56.0	1.90					525
2	527	9.04	8.98	34.351	26.613	152.4	1.640	3.11	47.9	54.0	1.85					530
1	585	6.70	6.65	34.243	26.871	126.1	1.721	2.51	36.6	70.0	2.29					588
2	617	6.52	6.46	34.245	26.896	124.0	1.761	2.37	34.4	74.0	2.38					621
1	648	5.81	5.75	34.242	26.985	115.0	1.798	2.12	30.3	83.0	2.40					652
1	728	5.24	5.18	34.310	27.108	103.6	1.885	1.97	27.8	96.0	2.62					733
1	814	4.33	4.27	34.324	27.221	92.2	1.970	1.65	22.8	113.0	2.75					820
1	899	4.00	3.93	34.351	27.277	87.1	2.046	1.63	22.3	119.0	2.85					905
1	982	3.51	3.44	34.409	27.372	77.8	2.114	1.53	20.7	131.0	2.94					989
1	1061	3.28	3.20	34.435	27.415	73.8	2.174	1.61	21.7	135.0	2.88					1069
1	1195	3.09	3.01	34.461	27.454	70.6	2.271	1.59	21.3	140.0	2.93					1205
1	1333	2.83	2.74	34.490	27.502	66.3	2.365	1.71	22.7	144.0	2.93					1345
1	1383 P	2.76	2.66	34.492	27.510	65.7	2.398	1.73	23.0	130.0	2.89					1395
1	1479 P	2.64	2.54	34.512	27.537	63.4	2.472	1.82	24.1	145.0	2.89					1511
1	1597 P	2.46	2.35	34.538	27.573	59.9	2.523	2.01	26.5	150.0	2.88					1594

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 64

LATITUDE	LONGITUDE	DAY/MO/YR	MESSANGER	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE	
33 42.5 N	139 8.5 E	01/09/73	0312 GMT	1708 m	220	08 kn	230 02 02	1	1016.3 mb	31.5 C	25.6 C			1-8	CU	
CAST	DEPTH m	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA THETA	SVA	DYN HT	OXYGEN ml/l	OXY PCT	SiO3 uM/l	PO4 uM/l	NO3 uM/l	NO2 uM/l	CHL-A ug/l	PHAEO ug/l	PRESS db
2	0	29.11	29.11	34.167	21.404	638.2	0.000	4.68	105.5	2.0	0.08					0
2	21	28.19	28.18	34.460	21.930	588.8	0.129	4.59	102.1	2.0	0.04					21
2	52	27.03	27.02	34.569	22.389	546.3	0.305	4.72	103.1	2.0	0.04					52
2	83	24.65	24.63	34.733	23.252	465.1	0.462	4.54	95.3	3.0	0.13					83
2	122	20.64	20.62	34.801	24.447	352.3	0.621	4.45	87.0	5.0	0.26					122
2	159	18.87	18.84	34.774	24.890	311.2	0.744	4.35	82.3	7.0	0.38					159
2	205	16.02	15.99	34.642	25.476	256.3	0.874	4.07	72.8	15.0	0.68					206
2	251	14.64	14.60	34.595	25.747	231.5	0.986	4.02	69.9	19.0	0.89					252
2	297	13.14	13.10	34.525	26.006	207.6	1.087	3.86	65.1	25.0	1.09					298
1	332	11.95	11.91	34.480	26.203	189.1	1.157	3.54	58.2	34.0	1.29					334
2	364	10.65	10.61	34.42	26.395	170.9	1.214	3.30	52.7	41.0	1.49					366
1	376	10.30	10.26	34.412	26.450	165.7	1.235	3.53	54.0	44.0	1.60					378
1	419	9.49	9.44	34.378	26.560	155.6	1.304	3.06	47.6	50.0	1.72					421
2	434	8.49	8.44	34.350	26.697	142.1	1.326	2.80	42.6	59.0	1.95					436
1	462	7.76	7.71	34.339	26.797	132.3	1.365	2.65	39.7	65.0	2.12					465

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
33 42.5 N	139 31.0 E	01/09/73	1441 GMT	1638 m	220 16 kn		1	1016.3 mb	28.1 C	25.8 C						
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C			THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	0	28.43	28.43	34.245	21.688	611.0	0.000	4.61	102.8	2.0	0.02					0
2	20	28.43	28.43	34.243	21.689	611.9	0.122	4.63	103.3	2.0	0.02					20
2	50	27.84	27.83	34.477	22.059	577.8	0.301	4.61	102.0	2.0	0.04					50
2	79	24.82	24.80	34.717	23.189	471.0	0.453	4.64	97.7	2.0	0.08					79
2	118	20.57	20.55	34.820	24.480	349.0	0.613	4.65	90.8	3.0	0.16					118
1	125	21.03	21.01	34.840	24.372	359.6	0.638	4.85	95.5	2.0	0.10					125
2	158	18.97	18.94	34.801	24.885	311.7	0.748	4.50	85.3	5.0	0.30					158
1	165	19.38	19.35	34.813	24.790	321.1	0.770	4.59	87.7	4.0	0.28					166
2	207	17.61	17.57	34.774	25.204	282.8	0.897	4.47	82.6	6.0	0.39					208
1	215	17.88	17.84	34.787	25.149	288.4	0.920	4.49	83.4	6.0	0.47					216
1	264	16.94	16.90	34.739	25.339	271.7	1.057	4.35	79.3	9.0	0.58					265
1	312	15.21	15.16	34.659	25.674	240.7	1.180	4.19	77.3	11.0	0.68					313
1	379	13.41	13.36	34.526	25.954	215.0	1.333	4.22	71.5	17.0	0.92					381
1	444	11.72	11.66	34.407	26.193	192.8	1.465	3.97	64.9	26.0	1.16					446
1	525	9.34	9.28	34.345	26.560	157.6	1.607	3.17	49.2	50.0						528
1	614	6.83	6.77	34.251	26.860	127.8	1.734	2.48	36.3	70.0	2.18					618
1	702	5.85	5.79	34.310	27.034	111.2	1.840	2.15	30.8	87.0	2.46					707
1	789	4.86	4.80	34.340	27.175	97.3	1.930	1.82	25.4	103.0	2.67					794
1	875	4.17	4.10	34.362	27.268	88.1	2.010	1.65	22.7	116.0	2.80					881
1	1015	3.51	3.44	34.408	27.372	78.1	2.126	1.55	21.0	130.0	2.92					1023
1	1155	3.03	2.95	34.463	27.461	69.5	2.230	1.62	21.7	139.0	2.89					1164
1	1298	2.76	2.67	34.498	27.514	64.7	2.326	1.76	23.4	144.0	2.89					1309
1	1446	2.61	2.51	34.521	27.546	62.1	2.419	1.96	25.9	147.0	2.89					1459
1	1597	2.35	2.24	34.557	27.597	57.3	2.510	2.09	27.5	147.0	2.85					1612

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE		
33 48.0 N	139 44.5 E	02/09/73	0647 GMT	1250 m	260 13 kn	260 04 05	1		29.0 C	25.5 C			4-8	CU		
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY PCT	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C			THETA			ml/l		uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	28.49	28.49	34.242	21.666	613.1	0.000	4.59	102.5	2.0	0.03					0
1	19	28.40	28.40	34.301	21.742	606.8	0.116	4.61	102.8	2.0	0.02					19
1	40	27.95	27.94	34.454	22.006	582.5	0.241	4.61	102.1	2.0	0.04					40
1	60	26.21	26.20	34.608	22.678	519.0	0.351	4.74	102.1	2.0	0.06					60
1	80	24.11	24.09	34.787	23.454	445.6	0.447	4.86	101.1	2.0	0.05					80
1	101	22.52	22.50	34.816	23.939	400.2	0.536	4.60	93.1	3.0	0.14					101
1	131	20.60	20.58	34.828	24.479	349.6	0.649	4.49	87.8	4.0	0.22					131
1	170	19.34	19.31	34.813	24.800	320.3	0.779	4.52	86.3	5.0	0.30					171
1	209	17.82	17.78	34.785	25.161	287.0	0.898	4.47	82.9	6.0	0.38					210
1	248	16.81	16.77	34.774	25.396	265.7	1.005	4.58	83.3	6.0	0.46					249
1	287	15.19	15.15	34.661	25.679	239.3	1.104	4.37	76.9	11.0	0.68					288
1	335	13.78	13.73	34.558	25.902	218.9	1.214	4.23	72.3	16.0	0.88					337
1	383	12.49	12.44	34.466	26.091	201.5	1.315	4.07	67.7	22.0	1.12					385
1	449	10.77	10.71	34.355	26.325	179.6	1.441	3.79	60.7	32.0	1.42					451
1	515	9.51	9.45	34.372	26.554	158.2	1.552	3.09	48.1	49.0	1.79					518
1	590	6.94	6.88	34.251	26.845	129.0	1.660	2.55	37.4	69.0	2.23					594
1	675	6.07	6.01	34.306	27.003	114.1	1.763	2.22	31.9	89.0	2.47					679
1	772	4.65	4.59	34.334	27.194	95.0	1.865	1.77	24.6	107.0	2.73					777
1	870	3.98	3.91	34.369	27.293	85.3	1.953	1.62	22.2	119.0	2.87					876
1	971	3.60	3.53	34.402	27.358	79.2	2.036	1.56	21.1	127.0	2.93					978

LATITUDE		LONGITUDE		DAY/MO/YR	MESSENGER	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
32 35.0 N		140 0.5 E		05/09/73	0954 GMT	1549 m	230	16 kn		1	1013.2 mb	27.8 C	24.8 C				
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY PCT	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS	
m		DEG C	DEG C		THETA			ml/l		uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db	
2	0	28.32						4.58		2.0	0.06						0
1	3	28.33						4.59	102.4	2.0	0.03						3
1	33	26.87	26.86	34.589	22.454	539.2		4.90	106.7	2.0	0.07						33
1	73	22.00	21.99	34.723	24.013	391.9		5.14	103.0	2.0	0.07						73
1	113	20.29	20.27	34.804	24.542	342.8		4.75	92.3	3.0	0.18						113
1	164	19.01	18.98	34.793	24.869	313.4		4.69	89.0	4.0	0.22						165
2	170	18.94	18.91					4.66	88.3	4.0	0.24						171
1	219	17.95	17.91	34.776	25.123	291.0		4.50	83.6	5.0	0.29						220
2	220	18.03						4.60		5.0	0.32						222
2	339	15.31						4.35		12.0	0.68						342
2	409	13.94						4.19		17.0	0.84						412
2	497	12.06						3.87		27.0	1.16						501
2	594	9.14						3.42		44.0	1.74						599
2	691	7.07						2.58		69.0	2.24						697
2	789	5.74						2.22		86.0	2.52						796
2	885	4.61						1.78		108.0	2.70						893
2	1041	3.74						1.57		125.0	2.80						1051
2	1200	3.15						1.40		137.0	2.97						1212
2	1359	2.52						1.47		150.0	2.99						1373
2	1515	2.28						1.57		159.0	2.98						1532

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 74

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
32 25.0 N	140 6.0 E	05/09/73	1927 GMT	1445 m	240 13 kn		2	1010.5 mb	28.1 C	25.6 C					
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	0	28.18													0
1	148	19.23													149
1	178	18.40													179
1	217	17.80													219
1	256	17.26													258
1	296	16.61													298
1	334	15.79													337
1	384	14.86													387
1	432	14.12													436
1	501	12.51													505
1	568	10.01													573
1	645	8.35													651
1	731	6.38													738
1	827	5.19													835
1	923	4.38													932
1	1020	3.84													1030
1	1118	3.33													1129
1	1265	2.93													1278
1	1416	2.58													1431

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 75

LATITUDE		LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED		WAVES	WEA	BAROMETER	DRY	WET	SECCHI	FOREL	CLD AMT	TYPE
32 17.0 N		140 7.0 E	05/09/73	2256 GMT	1434 m					1015.2 mb						
CST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
2	2	28.27						4.62		2.0	0.01					2
2	22	28.26						4.66		2.0	0.03					22
2	42	26.74						4.90		2.0	0.04					42
2	61	23.90						5.14		2.0	0.02					61
2	80	21.70						5.15		2.0	0.06					81
2	99	21.23						5.15		2.0	0.06					100
2	127	19.82						4.84		3.0	0.14					128
1	143	19.25						4.65		4.0	0.23					144
2	165	18.94						4.76		3.0	0.24					166
1	173	18.66						4.63		4.0	0.21					174
2	204	18.10						4.64		4.0	0.32					206
1	212	18.17						4.54		5.0	0.34					214
1	252	17.43						4.50		6.0	0.35					254
1	291	16.93						4.53		7.0	0.42					293
1	331	16.23						4.49		8.0	0.43					334
1	381	15.22						4.36		12.0	0.68					384
1	430	14.23						4.20		17.0	0.82					434
1	499	12.51						3.93		25.0	1.20					503
1	568	10.89						3.67		34.0	1.34					573
1	646	9.17						3.33		47.0	1.68					652
1	734	6.58						2.45		75.0	2.30					741
1	832	5.52						2.09		91.0	2.56					840
1	930	4.36						1.72		111.0	2.77					939
1	1028	3.77						1.54		124.0	2.93					1038
1	1128	3.44						1.50		130.0	2.91					1139
1	1275	2.95						1.51		141.0	3.11					1288
1	1419	2.55						1.46		153.0	3.07					1434

RV THOMAS WASHINGTON

TASADAY EXPEDITION LEG IV

STATION 76

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE		
32 11.0 N	140 5.0 E	06/09/73	0507 GMT	1479 m											
CST DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
m	DEG C	DEG C		THETA			ml/l	PCT	um/l	um/l	um/l	um/l	ug/l	ug/l	db
1	0	28.28	34.442	21.886	592.1	0.000	4.61	102.7	2.0	0.03					0
1	76	23.01	34.744	23.743	417.9	0.384	5.05	103.0	2.0	0.05					76
1	146	19.79	34.815	24.684	330.5	0.646	4.76	91.6	3.0	0.17					146
1	191	18.79	34.807	24.937	308.0	0.789	4.70	88.8	3.0	0.25					192
1	266	17.17	34.776	25.314	274.3	1.008	4.55	83.3	5.0	0.41					267
1	314	16.42	34.741	25.464	261.3	1.136	4.54	81.9	7.0	0.49					315
1	355	15.76	34.698	25.583	251.0	1.241	4.47	79.5	9.0	0.58					357
1	405	14.77	34.623	25.746	236.5	1.363	4.33	75.5	13.0	0.71					407
1	454	13.63	34.542	25.924	220.2	1.475	4.16	70.8	18.0	0.91					456
1	523	11.74	34.425	26.205	193.7	1.618	3.84	62.8	28.0	1.28					526
1	592	9.73	34.326	26.483	166.8	1.742	3.38	52.9	42.0	1.64					595
1	670	8.03	34.278	26.713	144.3	1.864	2.92	43.9	58.0	1.94					674
1	757	6.00	34.276	26.989	116.4	1.977	2.25	32.3	84.0	2.41					762
1	855	4.98	34.307	27.136	101.9	2.084	1.88	26.3	102.0	2.72					861
1	953	4.18	34.346	27.255	90.1	2.178	1.62	22.3	115.0	2.79					960
1	1050	3.70	34.380	27.331	82.6	2.262	1.57	21.3	126.0	2.88					1058
1	1150	3.48	34.405	27.373	79.0	2.343	1.56	21.1	129.0	2.82					1159
1	1298	2.95	34.458	27.465	69.9	2.453	1.46	19.5	141.0	2.97					1309
1	1445	2.73	34.489	27.510	65.9	2.553	1.39	18.4	149.0	3.04					1458

LATITUDE	LONGITUDE	DAY/MO/YR	MESSENGER	BOTTOM	WIND SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD AMT	TYPE			
32 19.0 N	139 48.5 E	06/09/73	0933 GMT		220 11 kn	07	5	1008.5 mb	27.0 C	25.4 C		7/8	SC			
CAST	DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SIO3	PO4	NO3	NO2	CHL-A	PHAEO	PRESS
	m	DEG C	DEG C		THETA			ml/l	PCT	uM/l	uM/l	uM/l	uM/l	ug/l	ug/l	db
1	1	28.18	28.18	34.382	21.873	593.3	0.006									1
1	41	27.71	27.70	34.642	22.225	561.6	0.237									41
1	117	21.02	21.00	34.796	24.341	362.3	0.588									117
1	238	17.78	17.74	34.777	25.166	287.5	0.781									239
1	278	17.32	17.27	34.762	25.267	279.2	1.094									279
1	318	17.02	16.97	34.749	25.330	274.4	1.205									319
1	357			34.736			1.311									359
1	408	15.71	15.65	34.681	25.583	252.7	1.443									410
1	457	14.60	14.53	34.611	25.774	235.3	1.562									459
1	525	11.56	11.49	34.413	26.229	191.3	1.708									528
1	594	9.82	9.75	34.336	26.476	167.6	1.831									597
1	672	8.25	8.18	34.288	26.688	147.0	1.954									676
1	759	6.69	6.62	34.275	26.900	126.1	2.073									764
1	857	4.81	4.74	34.312	27.159	99.4	2.183									863
1	955	3.88	3.81	34.368	27.303	84.9	2.274									962
1	1053	3.61	3.53	34.392	27.349	80.7	2.355									1061
1	1152	3.26	3.18	34.429	27.413	74.6	2.432									1161
1	1298	2.86	2.77	34.469	27.482	68.0	2.536									1309