

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
34 13.5 N	119 24.8 W	21/05/98	1638	UTC	36 m	180	02 kn	300 02 07	1	1020.2 mb	16.5 c	14.9 c		3/8		CU
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			ml/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	14.90	14.90	33.486	24.827	311.2	0.000	6.45	112.1					2.46	0.82	0	
1	14.90	14.90	33.486	24.827	311.2	0.003	6.45	112.1					2.46	0.82	1	205
5	13.52	13.52	33.530	25.151	280.6	0.015	6.37	107.7					4.18	1.34	5	204
10	13.03	13.03	33.510	25.234	272.8	0.029	5.65	94.5					2.63	1.35	10	203
19	12.26	12.26	33.605	25.457	251.8	0.052	3.97	65.4					1.16	0.67	19	202
20 ISL	12.25	12.25	33.608	25.462	251.4	0.055	3.93	64.7					1.16	0.69	20	
30	12.14	12.14	33.635	25.504	247.6	0.080	3.53	58.0					1.15	0.88	30	201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
34 10.9 N	119 30.6 W	21/05/98	1409	UTC	118 m	260	10 kn	270 03 07	1	1019.4 mb	14.7 c	13.1 c		3/8		AS
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			ml/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	14.29	14.29	33.505	24.972	297.4	0.000	6.33	108.7					3.21	0.72	0	
1	14.29	14.29	33.505	24.972	297.5	0.003	6.33	108.7					3.21	0.72	1	211
8	14.17	14.17	33.512	25.003	294.7	0.024	6.30	107.9					3.17	0.98	8	210
10 ISL	13.91	13.91	33.522	25.065	288.9	0.030	6.14	104.6					2.94	1.02	10	
18	12.76	12.76	33.573	25.336	263.3	0.052	5.42	90.2					1.82	1.11	18	209
20 ISL	12.63	12.63	33.579	25.366	260.5	0.057	5.31	88.1					1.63	1.13	20	
28	12.38	12.38	33.593	25.425	255.0	0.077	5.00	82.6					1.11	1.20	28	208
30 ISL	12.37	12.37	33.596	25.430	254.7	0.083	4.98	82.2					1.07	1.13	30	
39	12.30	12.29	33.608	25.453	252.7	0.105	4.88	80.4					0.86	0.73	39	207
48	11.50	11.49	33.657	25.641	235.0	0.127	3.61	58.5					0.19	0.42	48	206
50 ISL	11.38	11.37	33.671	25.674	231.9	0.132	3.50	56.6					0.17	0.39	50	
59	11.01	11.00	33.745	25.798	220.3	0.152	3.23	51.8					0.06	0.31	59	205
68	10.79	10.78	33.833	25.906	210.2	0.172	2.84	45.4					0.05	0.27	68	204
75 ISL	10.62	10.61	33.872	25.966	204.6	0.186	2.68	42.7					0.04	0.26	75	
78	10.54	10.53	33.888	25.993	202.2	0.192	2.63	41.8					0.03	0.26	78	203
89	10.24	10.23	33.985	26.121	190.3	0.214	2.34	37.0					0.02	0.14	89	202
99	10.18	10.17	34.016	26.155	187.2	0.233	2.17	34.3					0.02	0.17	100	201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
33 52.6 N	120 8.7 W	21/05/98	0720	UTC	114 m	320	35 kn			1019.1 mb	13.7 c	12.2 c				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			ml/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	13.56	13.56	33.513	25.129	282.5	0.000	5.52	93.4					1.92	0.88	0	
2	13.56	13.56	33.513	25.129	282.5	0.006	5.52	93.4					1.92	0.88	2	211
5	13.57	13.57	33.512	25.127	282.9	0.014	5.50	93.1					1.77	0.69	5	210
10	13.56	13.56	33.512	25.129	282.8	0.028	5.48	92.7					1.76	0.76	10	209
20	12.23	12.23	33.588	25.450	252.5	0.055	4.27	70.3					0.62	0.40	20	208
30	11.44	11.44	33.673	25.664	232.4	0.079	3.58	58.0					0.24	0.26	30	207
41	11.07	11.06	33.755	25.795	220.2	0.104	3.24	52.1					0.16	0.22	41	206
49	10.80	10.79	33.801	25.879	212.3	0.121	3.08	49.2					0.10	0.21	49	205
50 ISL	10.79	10.78	33.804	25.883	212.0	0.124	3.07	49.1					0.10	0.21	50	
60	10.69	10.68	33.831	25.922	208.5	0.145	2.91	46.4					0.08	0.20	60	204
68	10.54	10.53	33.867	25.976	203.5	0.161	2.72	43.2					0.04	0.17	68	203
75 ISL	10.43	10.42	33.879	26.005	200.9	0.175	2.71	43.0					0.04	0.17	75	
85	10.32	10.31	33.882	26.026	199.1	0.195	2.69	42.6					0.04	0.18	85	202
100 ISL	10.29	10.28	33.887	26.036	198.5	0.225	2.67	42.2					0.06	0.20	101	
101	10.29	10.28	33.887	26.036	198.6	0.227	2.67	42.2					0.06	0.20	102	201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
33 44.7 N	120 24.9 W	21/05/98	0346 UTC	1019 m	320	28 kn			1019.2 mb	13.9 C	12.1 C				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES SAMP
m	DEG C	DEG C		THETA			ml/l	PCT	um/l	um/l	um/l	um/l	ug/l	ug/l	db
0 ISL	13.42	13.42	33.481	25.133	282.1	0.000									0
2	13.42	13.42	33.481 D	25.133	282.2	0.006									2 2
10	13.42	13.42	33.484 D	25.135	282.2	0.028									10 2
20	12.98	12.98	33.519 D	25.251	271.4	0.056									20 2
30	12.80	12.80	33.504 D	25.275	269.4	0.083									30 2
40	12.53	12.52	33.515 D	25.336	263.8	0.110									40 2
50	12.12	12.11	33.569 D	25.457	252.6	0.135									50 2
75	10.53	10.52	33.730 D	25.871	213.6	0.194									75 2
100	9.83	9.82	33.736 D	25.996	202.2	0.246									101 2
125	9.01	9.00	33.851 D	26.219	181.4	0.294									126 2
150	8.78	8.76	33.894 D	26.290	175.1	0.338									151 2
175	8.35	8.33	33.966 D	26.412	163.8	0.381									176 2
200	8.08	8.06	33.986 D	26.469	158.8	0.421									201 2
225	7.66	7.64	34.022 D	26.559	150.6	0.460									226 2
250	7.46	7.44	34.035 D	26.598	147.2	0.497									252 2
275	7.06	7.03	34.045 D	26.662	141.3	0.533									277 2
300	6.86	6.83	34.053 D	26.696	138.4	0.568									302 2
350	6.51	6.48	34.101 D	26.781	130.8	0.635									352 2
400	6.48	6.44	34.184 D	26.851	125.0	0.699									403 2
450	6.18	6.14	34.213 D	26.913	119.5	0.760									453 2
500	5.74	5.70	34.245 D	26.994	112.1	0.818									504 2
517	5.70	5.66	34.246 D	27.000	111.7	0.837									521 2

LATITUDE	LONGITUDE	DAY/MO/YR	CAST TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
33 34.6 N	120 45.2 W	21/05/98	0022 UTC	1366 m	320	26 kn	320 10 06	1	1019.5 mb	16.1 C	14.1 C				3/8 CU
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES SAMP
m	DEG C	DEG C		THETA			ml/l	PCT	um/l	um/l	um/l	um/l	ug/l	ug/l	db
0 ISL	14.76	14.76	32.915	24.417	350.3	0.000									0
2	14.76	14.76	32.915 D	24.417	350.3	0.007									2 2
10	14.76	14.76	32.914 D	24.417	350.6	0.035									10 2
20	14.76	14.76	32.923 D	24.424	350.2	0.070									20 2
30	14.85	14.85	32.980 D	24.449	348.1	0.105									30 2
40	15.08	15.07	33.077 D	24.474	346.0	0.140									40 2
50	14.88	14.87	33.163 D	24.584	335.9	0.174									50 2
75	14.78	14.77	33.667 D	24.995	297.5	0.253									75 2
100	11.93	11.92	33.507 D	25.446	254.9	0.322									100 2
125	10.38	10.37	33.655 D	25.840	217.7	0.381									126 2
150	9.75	9.73	33.748 D	26.019	201.0	0.433									151 2
175	9.03	9.01	33.864 D	26.227	181.6	0.481									176 2
200	8.52	8.50	33.936 D	26.363	169.0	0.525									201 2
225	8.04	8.02	33.997 D	26.484	157.8	0.566									226 2
250	7.73	7.71	34.017 D	26.545	152.3	0.605									251 2
275	7.48	7.45	34.028 D	26.590	148.4	0.642									277 2
300	7.17	7.14	34.059 D	26.658	142.1	0.679									302 2
350	6.79	6.76	34.104 D	26.746	134.3	0.748									352 2
400	6.36	6.32	34.141 D	26.833	126.6	0.813									403 2
450	6.12	6.08	34.209 D	26.918	119.0	0.874									453 2
500	5.85	5.81	34.247 D	26.982	113.4	0.932									503 2
521	5.77	5.73	34.252 D	26.996	112.2	0.956									525 2

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33 14.8 N	121 26.6 W	20/05/98	1824 UTC	3777 m	330	25 kn	330 09 06	1	1021.1 mb	16.1 C	13.7 C				4/8 AC
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES SAMP
m	DEG C	DEG C		THETA			ml/l	PCT	um/l	um/l	um/l	um/l	ug/l	ug/l	db
0 ISL	15.77	15.77	33.302	24.494	342.9	0.000									0
2	15.77	15.77	33.302 D	24.494	343.0	0.007									2 2
10	15.77	15.77	33.303 D	24.495	343.1	0.034									10 2
20	15.76	15.76	33.304 D	24.499	343.1	0.069									20 2
30	15.76	15.76	33.304 D	24.499	343.4	0.103									30 2
40	15.76	15.75	33.306 D	24.501	343.5	0.137									40 2
50	15.67	15.66	33.305 D	24.521	342.0	0.172									50 2
75	14.85	14.84	33.371 D	24.752	320.6	0.254									75 2
100	13.93	13.92	33.677 D	25.183	280.2	0.330									100 2
125	10.67	10.66	33.618 D	25.761	225.3	0.393									126 2
150	9.62	9.60	33.744 D	26.038	199.3	0.446									151 2
175	8.96	8.94	33.861 D	26.236	180.8	0.493									176 2
200	8.52	8.50	33.948 D	26.373	168.1	0.537									201 2
225	8.23	8.21	33.982 D	26.444	161.7	0.578									226 2
250	7.76	7.74	33.996 D	26.524	154.3	0.618									251 2
275	7.54	7.51	34.002 D	26.561	151.1	0.656									277 2
300	7.14	7.11	34.000 D	26.616	146.1	0.693									302 2
350	6.37	6.34	34.010 D	26.727	135.8	0.763									352 2
400	5.85	5.82	34.044 D	26.820	127.2	0.829									403 2
450	5.54	5.50	34.092 D	26.897	120.4	0.891									453 2
500	5.26	5.22	34.130 D	26.960	114.7	0.950									503 2
525	5.16	5.12	34.144 D	26.983	112.7	0.978									529 2

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33 11.1 N	118 23.2 W	17/05/98	1056 UTC	1179 m	300	12 kn			1016.8 mb	15.2 c	14.1 c					
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			mL/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	16.51	16.51	33.455	24.444	347.7	0.000	5.82	104.4					0.25	0.05	0	
1	16.51	16.51	33.455	24.444	347.8	0.003	5.82	104.4					0.25	0.05	1	220
9	16.52	16.52	33.451	24.439	348.5	0.031	5.81	104.3					0.24	0.05	9	219
10 ISL	16.50	16.50	33.449	24.442	348.2	0.035	5.82	104.4					0.24	0.06	10	
18	15.97	15.97	33.442	24.558	337.5	0.062	5.94	105.5					0.27	0.10	18	218
20 ISL	15.64	15.64	33.448	24.636	330.0	0.069	5.93	104.6					0.35	0.18	20	
27	14.44	14.44	33.487	24.927	302.5	0.091	5.90	101.6					0.62	0.46	27	217
30 ISL	14.18	14.18	33.501	24.993	296.3	0.100	5.69	97.5					0.63	0.49	30	
38	13.65	13.64	33.533	25.127	283.7	0.123	4.98	84.4					0.66	0.56	38	216
47	12.85	12.84	33.573	25.319	265.7	0.148	4.33	72.2					0.38	0.31	47	215
50 ISL	12.61	12.60	33.566	25.360	261.8	0.156	4.33	71.8					0.34	0.28	50	
58	12.02	12.01	33.561	25.470	251.5	0.176	4.33	70.9					0.25	0.23	58	214
68	11.31	11.30	33.670	25.686	231.2	0.201	3.64	58.8					0.07	0.11	68	213
75 ISL	11.01	11.00	33.710	25.771	223.2	0.216	3.42	54.9					0.05	0.09	75	
83	10.75	10.74	33.737	25.839	217.0	0.234	3.32	53.0					0.02	0.07	83	212
99	10.13	10.12	33.782	25.981	203.7	0.268	3.23	50.9					0.01	0.05	99	211
100 ISL	10.10	10.09	33.785	25.989	203.0	0.270	3.22	50.7					0.01	0.05	100	
119	9.66	9.65	33.855	26.117	191.1	0.307	2.98	46.5					0.01	0.05	120	210
125 ISL	9.56	9.55	33.882	26.155	187.6	0.319	2.88	44.8					0.01	0.05	126	
137	9.39	9.37	33.938	26.227	181.0	0.341	2.67	41.4					0.01	0.05	138	209
150 ISL	9.25	9.23	34.005	26.302	174.1	0.364	2.44	37.7					0.01	0.04	151	
168	9.08	9.06	34.088	26.394	165.7	0.394	2.14	33.0					0.00	0.03	169	208
196	8.78	8.76	34.162	26.500	156.1	0.439	1.79	27.4					0.00	0.03	197	207
200 ISL	8.74	8.72	34.171	26.514	154.9	0.446	1.73	26.5							201	
227	8.42	8.40	34.212	26.595	147.5	0.486	1.41	21.4							228	206
250 ISL	8.08	8.05	34.212	26.647	142.9	0.520	1.36	20.5							251	
266	7.87	7.84	34.207	26.674	140.5	0.542	1.33	20.0							268	205
300 ISL	7.67	7.64	34.220	26.714	137.2	0.590	1.17	17.5							302	
315	7.60	7.57	34.228	26.731	135.9	0.610	1.09	16.3							317	204
377	7.04	7.00	34.248	26.826	127.5	0.692	0.76	11.2							379	203
400 ISL	6.87	6.83	34.257	26.857	124.8	0.721	0.67	9.8							403	
436	6.64	6.60	34.275	26.902	120.8	0.765	0.54	7.9							439	202
500 ISL	6.28	6.23	34.317	26.983	113.8	0.840	0.36	5.2							503	
520	6.17	6.12	34.331	27.008	111.6	0.863	0.30	4.3							524	201

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32 54.9 N	118 56.3 W	17/05/98	1722 UTC	1665 m	310	15 kn	310 04 08	0	1019.1 mb	15.8 c	14.1 c				0/8	
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			mL/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	15.11	15.11	33.354	24.680	325.2	0.000	5.95	103.8					0.54	0.21	0	
1	15.11	15.11	33.354	24.680	325.3	0.003	5.95	103.8					0.54	0.21	1	220
10	15.06	15.06	33.352	24.690	324.6	0.032	5.94	103.5					0.61	0.18	10	219
20	13.98	13.98	33.375	24.937	301.3	0.064	5.60	95.5					1.00	0.51	20	218
30	13.59	13.59	33.459	25.082	287.8	0.093	5.43	91.9					0.40	0.32	30	217
37	13.40	13.39	33.477	25.135	283.0	0.113	5.28	89.0					0.29	0.27	37	216
48	12.66	12.65	33.552	25.340	263.7	0.143	4.63	76.9					0.10	0.16	48	215
50 ISL	12.63	12.62	33.556	25.349	262.9	0.149	4.60	76.3					0.09	0.16	50	
59	12.52	12.51	33.563	25.376	260.6	0.172	4.51	74.7					0.07	0.15	59	214
75	11.64	11.63	33.620	25.587	240.8	0.212	3.92	63.7					0.05	0.14	75	213
85	11.00	10.99	33.627	25.709	229.4	0.236	3.91	62.7					0.05	0.12	85	212
98	10.41	10.40	33.670	25.846	216.5	0.265	3.80	60.2					0.04	0.09	98	211
100 ISL	10.33	10.32	33.686	25.872	214.1	0.269	3.74	59.1					0.04	0.09	100	
120	9.65	9.64	33.863	26.125	190.4	0.309	2.99	46.6					0.01	0.09	121	210
125 ISL	9.54	9.53	33.896	26.169	186.3	0.319	2.85	44.3					0.01	0.09	126	
137	9.31	9.29	33.961	26.258	178.1	0.341	2.58	39.9					0.01	0.09	138	209
150 ISL	9.06	9.04	33.996	26.325	171.9	0.363	2.45	37.7					0.01	0.09	151	
168	8.77	8.75	34.028	26.396	165.4	0.394	2.33	35.6					0.01	0.09	169	208
197	8.56	8.54	34.114	26.497	156.4	0.440	1.95	29.7					0.01	0.07	198	207
200 ISL	8.54	8.52	34.122	26.506	155.5	0.445	1.91	29.1							201	
229	8.32	8.30	34.181	26.586	148.4	0.489	1.55	23.5							230	206
250 ISL	8.12	8.09	34.194	26.627	144.8	0.520	1.42	21.4							251	
270	7.93	7.90	34.201	26.661	141.9	0.549	1.32	19.8							272	205
300 ISL	7.76	7.73	34.235	26.713	137.4	0.591	1.05	15.7							302	
322	7.64	7.61	34.259	26.750	134.2	0.620	0.87	13.0							324	204
381	7.09	7.05	34.265	26.833	127.0	0.698	0.69	10.2							383	203
400 ISL	6.96	6.92	34.275	26.859	124.7	0.721	0.62	9.1							403	
433	6.74	6.70	34.296	26.905	120.6	0.762	0.49	7.2							436	202
500 ISL	6.09	6.05	34.330	27.018	110.3	0.839	0.32	4.6							503	
515	5.94	5.89	34.339	27.044	107.9	0.856	0.28	4.0							519	201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
32 39.2 N	119 29.0 W	17/05/98	2342	UTC	1319 m	320	22 kn	320 09 04	0	1018.0 mb	16.8 c	15.1 c				0/8
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			ml/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	15.25	15.25	33.366	24.659	327.3	0.000	5.96	104.3					0.80	0.24		0
2	15.25	15.25	33.366	24.659	327.3	0.007	5.96	104.3					0.80	0.24		2 220
10 ISL	15.25	15.25	33.366	24.659	327.5	0.033	5.95	104.1					0.78	0.25		10
15	15.25	15.25	33.367	24.660	327.6	0.049	5.94	103.9					0.76	0.25		15 219
20 ISL	15.24	15.24	33.368	24.663	327.5	0.065	5.94	103.9					0.78	0.25		20
30 ISL	15.23	15.23	33.369	24.666	327.5	0.098	5.94	103.9					0.81	0.25		30
31	15.23	15.23	33.369	24.667	327.5	0.102	5.94	103.9					0.81	0.25		31 218
45	15.00	14.99	33.381	24.726	322.2	0.147	5.88	102.3					1.11	0.41		45 217
50 ISL	14.35	14.34	33.397	24.878	307.9	0.163	5.69	97.7					0.94	0.47		50
54	13.84	13.83	33.413	24.996	296.7	0.175	5.52	93.8					0.76	0.50		54 216
64	13.50	13.49	33.425	25.075	289.4	0.204	5.32	89.8					0.46	0.38		64 215
75	12.77	12.76	33.512	25.288	269.4	0.235	4.77	79.4					0.26	0.24		75 214
84	12.30	12.29	33.562	25.418	257.2	0.259	4.35	71.7					0.23	0.24		84 213
93	11.65	11.64	33.620	25.585	241.4	0.281	3.89	63.2					0.14	0.19		93 212
100 ISL	11.26	11.25	33.673	25.698	230.8	0.298	3.60	58.1					0.09	0.15		100
109	10.80	10.79	33.736	25.830	218.4	0.318	3.32	53.0					0.04	0.11		110 211
124	9.95	9.94	33.809	26.033	199.3	0.349	3.10	48.6					0.02	0.09		125 210
125 ISL	9.92	9.91	33.815	26.043	198.3	0.351	3.08	48.3					0.02	0.09		126
144	9.51	9.49	33.914	26.188	184.8	0.387	2.72	42.3					0.01	0.09		145 209
150 ISL	9.37	9.35	33.938	26.230	181.0	0.398	2.65	41.1					0.01	0.09		151
166	8.99	8.97	33.986	26.329	171.8	0.427	2.53	38.9					0.01	0.09		167 208
198	8.32	8.30	34.015	26.456	160.2	0.480	2.57	38.9					0.01	0.08		199 207
200 ISL	8.29	8.27	34.018	26.463	159.5	0.483	2.56	38.7								201
225	7.96	7.94	34.051	26.538	152.7	0.522	2.33	35.0								226 206
250 ISL	7.60	7.58	34.062	26.599	147.1	0.559	2.17	32.3								251
266	7.38	7.35	34.067	26.635	143.9	0.583	2.06	30.5								268 205
300 ISL	7.08	7.05	34.108	26.709	137.3	0.631	1.63	24.0								302
313	6.99	6.96	34.126	26.736	134.9	0.648	1.45	21.3								315 204
379	6.58	6.55	34.199	26.849	124.9	0.734	0.88	12.8								381 203
400 ISL	6.49	6.45	34.220	26.878	122.4	0.760	0.76	11.0								403
439	6.33	6.29	34.252	26.925	118.4	0.807	0.58	8.4								442 202
500 ISL	5.94	5.90	34.277	26.995	112.3	0.877	0.42	6.0								503
517	5.83	5.79	34.284	27.014	110.6	0.896	0.38	5.4								521 201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
32 25.1 N	119 57.7 W	18/05/98	0558	UTC	831 m	320	25 kn			1018.1 mb	14.9 c	13.2 c				
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			ml/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	15.25	15.25	33.021	24.393	352.6	0.000										0
2	15.25	15.25	33.021 D	24.393	352.6	0.007										2 2
10	15.25	15.25	33.033 D	24.403	352.0	0.035										10 2
20	15.25	15.25	33.033 D	24.403	352.2	0.070										20 2
30	15.24	15.24	33.032 D	24.405	352.4	0.106										30 2
40	15.14	15.13	33.034 D	24.428	350.4	0.141										40 2
50	15.17	15.16	33.112 D	24.482	345.6	0.176										50 2
75	14.78	14.77	33.346 D	24.748	321.0	0.259										75 2
100	12.27	12.26	33.462 D	25.347	264.4	0.332										100 2
125	10.53	10.52	33.614 D	25.782	223.2	0.393										126 2
150	9.67	9.65	33.708 D	26.001	202.7	0.446										151 2
175	9.46	9.44	33.948 D	26.224	182.1	0.494										176 2
200	9.08	9.06	34.021 D	26.343	171.2	0.539										201 2
225	8.27	8.25	33.990 D	26.444	161.7	0.580										226 2
250	7.98	7.95	34.029 D	26.518	155.0	0.620										251 2
275	7.72	7.69	34.047 D	26.571	150.4	0.658										277 2
300	7.57	7.54	34.096 D	26.631	145.0	0.695										302 2
350	6.93	6.90	34.122 D	26.741	134.9	0.765										352 2
400	6.50	6.46	34.166 D	26.834	126.6	0.830										402 2
450	6.12	6.08	34.189 D	26.902	120.5	0.892										453 2
500	6.04	6.00	34.253 D	26.963	115.4	0.951										503 2
517	5.92	5.87	34.258 D	26.982	113.7	0.970										520 2

RV ROBERT GORDON SPROUL		CALCOFI CRUISE 9805											STATION 90 70			
LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
32 5.0 N	120 38.1 W	18/05/98	1258	UTC		330	20 kn	330 07 08	1	1016.2 mb	15.2 c	13.9 c		3/8		AS
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			mL/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	16.46	16.46	33.528	24.511	341.3	0.000	5.70	102.2					0.11	0.02		0
1	16.46	16.46	33.528	24.511	341.3	0.003	5.70	102.2					0.11	0.02		1 220
10 ISL	16.46	16.46	33.529	24.512	341.5	0.034	5.69	102.1					0.10	0.03		10
16	16.46	16.46	33.530	24.514	341.6	0.055	5.68	101.9					0.10	0.03		16 219
20 ISL	16.46	16.46	33.530	24.514	341.7	0.068	5.68	101.9					0.10	0.03		20
30	16.47	16.47	33.530	24.512	342.3	0.103	5.67	101.7					0.11	0.02		30 218
44	16.47	16.46	33.529	24.511	342.7	0.150	5.68	101.9					0.11	0.02		44 217
50 ISL	16.42	16.41	33.555	24.543	339.9	0.171	5.70	102.2					0.11	0.02		50
58	16.34	16.33	33.591	24.589	335.7	0.198	5.72	102.4					0.12	0.03		58 216
75	16.17	16.16	33.592	24.630	332.5	0.255	5.71	101.9					0.14	0.04		75 215
84	16.03	16.02	33.575	24.649	330.9	0.285	5.71	101.6					0.16	0.04		84 214
94	15.86	15.85	33.568	24.682	328.0	0.318	5.69	100.9					0.19	0.06		94 213
100 ISL	15.77	15.75	33.581	24.712	325.3	0.337	5.67	100.3					0.31	0.14		100
105	15.65	15.63	33.592	24.748	322.1	0.353	5.65	99.7					0.41	0.22		105 212
115	15.07	15.05	33.591	24.875	310.2	0.385	5.48	95.6					0.47	0.36		115 211
125	14.35	14.33	33.607	25.042	294.5	0.415	5.32	91.5					0.41	0.36		126 210
132	13.41	13.39	33.566	25.204	279.0	0.435	5.12	86.3					0.32	0.31		133 209
150 ISL	11.76	11.74	33.531	25.497	251.2	0.483	4.71	76.7					0.17	0.20		151
161	11.08	11.06	33.544	25.631	238.5	0.510	4.50	72.2					0.11	0.14		162 208
194	9.64	9.62	33.712	26.010	202.8	0.583	3.82	59.5					0.02	0.05		195 207
200 ISL	9.52	9.50	33.763	26.070	197.2	0.595	3.58	55.6								201
227	9.15	9.13	33.973	26.294	176.4	0.645	2.57	39.6								228 206
250 ISL	8.76	8.73	34.039	26.408	165.9	0.685	2.41	36.9								251
267	8.48	8.45	34.059	26.467	160.5	0.712	2.29	34.8								268 205
300 ISL	8.03	8.00	34.117	26.581	150.1	0.764	1.88	28.3								302
315	7.84	7.81	34.136	26.624	146.1	0.786	1.70	25.5								317 204
382	7.07	7.03	34.132	26.731	136.6	0.880	1.41	20.8								384 203
400 ISL	6.88	6.84	34.139	26.762	133.7	0.905	1.27	18.6								402
428	6.61	6.57	34.156	26.812	129.2	0.942	1.04	15.1								431 202
500 ISL	6.10	6.06	34.214	26.925	119.1	1.031	0.63	9.1								503
515	5.99	5.94	34.226	26.948	116.9	1.049	0.55	7.9								518 201

RV ROBERT GORDON SPROUL		CALCOFI CRUISE 9805											STATION 90 80			
LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI/FOREL	CLD	AMT	TYPE
31 45.1 N	121 19.1 W	18/05/98	2009	UTC		320	18 kn	330 06 08	1	1019.4 mb	17.6 c	15.5 c		2/8		AC
DEPTH	TEMP	POT TEMP	SALINITY	SIGMA	SVA	DYN HT	OXYGEN	OXY	SI03	P04	N03	N02	CHL-A	PHAE0	PRES	SAMP
m	DEG C	DEG C		THETA			mL/L	PCT	uM/L	uM/L	uM/L	uM/L	ug/L	ug/L	db	
0 ISL	16.84	16.84	33.621	24.495	342.9	0.000	5.64	102.0					0.08	0.01		0
1	16.84	16.84	33.621	24.495	342.9	0.003	5.64	102.0					0.08	0.01		1 220
10 ISL	16.80	16.80	33.620	24.504	342.4	0.034	5.63	101.7					0.08	0.01		10
15	16.77	16.77	33.620	24.511	341.9	0.051	5.62	101.5					0.08	0.01		15 219
20 ISL	16.76	16.76	33.620	24.513	341.8	0.068	5.62	101.4					0.08	0.01		20
30	16.74	16.74	33.620	24.518	341.6	0.103	5.63	101.6					0.09	0.01		30 218
44	16.72	16.71	33.618	24.522	341.8	0.150	5.65	101.9					0.09	0.02		44 217
50 ISL	16.65	16.64	33.613	24.535	340.7	0.171	5.66	101.9					0.09	0.02		50
59	16.52	16.51	33.605	24.559	338.7	0.202	5.67	101.8					0.10	0.03		59 216
74	16.35	16.34	33.594	24.590	336.2	0.252	5.78	103.5					0.12	0.04		74 215
75 ISL	16.34	16.33	33.594	24.592	336.0	0.256	5.78	103.4					0.12	0.04		75
84	16.24	16.23	33.591	24.613	334.3	0.286	5.80	103.6					0.14	0.05		84 214
94	16.13	16.12	33.588	24.636	332.4	0.319	5.71	101.8					0.20	0.08		94 213
100 ISL	15.88	15.86	33.572	24.681	328.4	0.339	5.70	101.1					0.29	0.15		100
104	15.71	15.69	33.563	24.712	325.5	0.352	5.69	100.5					0.35	0.20		104 212
114	15.65	15.63	33.569	24.730	324.0	0.384	5.64	99.5					0.36	0.26		114 211
124	14.50	14.48	33.506	24.932	304.9	0.416	5.35	92.2					0.40	0.34		125 210
125 ISL	14.41	14.39	33.507	24.952	303.0	0.419	5.33	91.7					0.39	0.34		126
138	13.39	13.37	33.544	25.192	280.4	0.457	5.14	86.6					0.24	0.29		139 209
150 ISL	12.47	12.45	33.538	25.368	263.6	0.489	4.90	81.0					0.17	0.23		151
164	11.51	11.49	33.535	25.547	246.8	0.525	4.60	74.5					0.13	0.16		165 208
197	10.04	10.02	33.686	25.923	211.3	0.601	3.95	62.0					0.02	0.05		198 207
200 ISL	9.90	9.88	33.707	25.963	207.5	0.607	3.89	60.9								201
229	8.80	8.78	33.897	26.290	176.6	0.663	3.35	51.2								230 206
250 ISL	8.45	8.42	33.949	26.385	167.9	0.699	3.13	47.5								251
269	8.26	8.23	33.967	26.428	164.0	0.730	2.98	45.0								270 205
300 ISL	7.83	7.80	34.017	26.531	154.6	0.780	2.76	41.3								302
316	7.61	7.58	34.039	26.581	150.0	0.804	2.62	39.0								318 204
376	6.87	6.83	34.089	26.724	136.9	0.890	1.61	23.6								378 203
400 ISL	6.67	6.63	34.111	26.768	132.9	0.923	1.35	19.7								402
436	6.44	6.40	34.144	26.825	127.9	0.970	1.05	15.2								439 202
500 ISL	6.08	6.04	34.205	26.920	119.5	1.049	0.64	9.2								503
511	6.02	5.98	34.216	26.936	118.0	1.062	0.57	8.2								514 201

