

Table with columns: LATITUDE, LONGITUDE, DAY/MO/YR, CAST TIME, BOTTOM, WIND SPEED, WAVES, WEA, BAROMETER, DRY, WET, SECCHI, CLD AMT, TYPE, DEPTH, TEMP, POT TEMP, SALINITY, SIGMA THETA, SVA, DYN HT, OXYGEN, OXY, SI03, P04, N03, N02, CHL-A, PHAE0, PRES, SAMP. Includes data from 0 ISL to 515 depth.

A) PRIMARY PRODUCTIVITY SAMPLES WERE TAKEN FROM THESE LEVELS.

Table with columns: LATITUDE, LONGITUDE, DAY/MO/YR, CAST TIME, BOTTOM, WIND SPEED, WAVES, WEA, BAROMETER, DRY, WET, SECCHI, CLD AMT, TYPE, DEPTH, TEMP, POT TEMP, SALINITY, SIGMA THETA, SVA, DYN HT, OXYGEN, OXY, SI03, P04, N03, N02, CHL-A, PHAE0, PRES, SAMP. Includes data from 0 ISL to 518 depth.

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	CLD	AMT	TYPE
33 23.0 N	124 19.0 W	23/11/02	1807	UTC	4583 m	330	16 kn	330 05 06	2	1023.0 mb	16.0 c	14.5 c	30m	8/8		SC
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	17.60	17.60	33.112	23.924	397.3	0.000	5.60	102.4	1.3	0.39	0.1	0.00	0.15	0.04	0	
2	17.60	17.60	33.113	23.925	397.3	0.008									2	222
2 A	17.60	17.60	33.112	23.924	397.3	0.008	5.60	102.4	1.3	0.39	0.1	0.00	0.15	0.04	2	221
10 ISL	17.61	17.61	33.112	23.922	397.8	0.040	5.61	102.6	1.3	0.39	0.1	0.00	0.14	0.03	10	
16 A	17.61	17.61	33.112	23.923	398.0	0.064	5.61	102.6	1.3	0.39	0.1	0.00	0.14	0.03	16	220
20 ISL	17.61	17.61	33.113	23.923	398.0	0.080	5.61	102.6	1.3	0.39	0.1	0.00	0.14	0.03	20	
29	17.61	17.61	33.116	23.926	398.1	0.115	5.61	102.6	1.3	0.39	0.1	0.00	0.14	0.03	29	219
30 ISL	17.61	17.60	33.116	23.926	398.1	0.119	5.61	102.6	1.3	0.39	0.1	0.00	0.14	0.03	30	
39 A	17.61	17.60	33.115	23.926	398.5	0.155	5.60	102.5	1.3	0.39	0.1	0.00	0.14	0.03	39	218
50	17.57	17.56	33.108	23.930	398.4	0.199	5.62	102.7	1.3	0.39	0.1	0.00	0.15	0.04	50	217
62 A	14.78	14.77	32.896	24.400	353.7	0.244	6.30	108.8	0.9	0.42	0.1	0.00	0.31	0.13	62	216
72	13.23	13.22	32.826	24.666	328.5	0.278	6.29	105.2	2.2	0.48	0.1	0.01	0.41	0.29	72	215
75 ISL	12.89	12.88	32.814	24.724	323.0	0.288	6.22	103.3	2.5	0.52	0.6	0.12	0.40	0.29	75	
81 A	12.32	12.31	32.800	24.823	313.6	0.307	6.06	99.4	3.1	0.62	1.9	0.32	0.34	0.29	81	214
92	11.53	11.52	32.807	24.976	299.3	0.341	5.86	94.5	4.3	0.78	5.3	0.04	0.17	0.21	92	213
100 ISL	11.30	11.29	32.860	25.059	291.5	0.364	5.74	92.2	5.1	0.86	6.7	0.03	0.12	0.16	100	
103	11.25	11.24	32.892	25.092	288.3	0.373	5.69	91.3	5.5	0.88	7.2	0.02	0.11	0.14	103	212
116 A	11.05	11.04	33.123	25.308	268.1	0.409	5.32	85.1	7.6	1.01	9.9	0.01	0.07	0.08	116	211
125 ISL	10.77	10.76	33.215	25.429	256.7	0.433	5.14	81.8	9.2	1.11	11.6	0.01	0.05	0.05	125	
129	10.64	10.62	33.247	25.477	252.3	0.443	5.07	80.4	9.9	1.15	12.4	0.01	0.04	0.04	129	210
143	10.33	10.31	33.359	25.618	239.1	0.478	4.80	75.7	12.5	1.31	15.1	0.01	0.01	0.03	143	209
150 ISL	10.05	10.03	33.397	25.695	231.9	0.494	4.78	74.9	13.2	1.31	15.4	0.01	0.01	0.03	150	
168	9.34	9.32	33.505	25.897	212.9	0.534	4.75	73.4	15.1	1.30	15.8	0.01	0.02	0.02	168	208
198	9.03	9.01	33.821	26.194	185.2	0.594	4.06	62.4	22.1	1.57	20.6	0.00	0.00	0.01	198	207
200 ISL	9.00	8.98	33.837	26.211	183.6	0.597	4.05	62.2	22.5	1.58	20.8	0.00			200	
227	8.62	8.60	33.997	26.396	166.5	0.645	3.91	59.6	27.7	1.66	22.8	0.00			227	206
250 ISL	8.24	8.21	34.026	26.477	159.0	0.682	3.49	52.7	33.0	1.85	25.5	0.00			250	
269	7.92	7.89	34.017	26.518	155.4	0.712	3.09	46.4	37.5	2.02	27.9	0.00			269	205
300 ISL	7.44	7.41	34.022	26.591	148.6	0.759	2.64	39.2	43.7	2.23	30.6	0.00			300	
318	7.19	7.16	34.024	26.628	145.3	0.786	2.42	35.7	46.8	2.33	31.9	0.00			318	204
376	6.69	6.66	34.046	26.714	137.7	0.868	1.83	26.7	54.6	2.58	34.8	0.00			376	203
400 ISL	6.42	6.38	34.060	26.761	133.4	0.900	1.57	22.7	59.5	2.70	36.3	0.00			400	
438	6.01	5.97	34.089	26.837	126.4	0.950	1.19	17.1	67.7	2.88	38.5	0.00			438	202
500 ISL	5.61	5.57	34.147	26.932	117.7	1.025	0.76	10.8	78.4	3.04	40.6	0.00			500	
521	5.47	5.43	34.167	26.965	114.7	1.050	0.62	8.8	82.0	3.10	41.3	0.00			521	201

A) PRIMARY PRODUCTIVITY SAMPLES WERE TAKEN FROM THESE LEVELS.

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	CLD	AMT	TYPE
34 27.0 N	120 31.3 W	22/11/02	0233	UTC	73 m	300	07 kn			1016.1 mb	16.5 c	15.9 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	15.26	15.26	33.309	24.613	331.7	0.000	6.54	114.4	4.2	0.34	0.1	0.00	1.32	0.46	0	
1	15.26	15.26	33.309	24.613	331.7	0.003	6.54	114.4	4.2	0.34	0.1	0.00	1.32	0.46	1	208
6	15.06	15.06	33.310	24.657	327.6	0.020	6.36	110.8	4.4	0.39	0.6	0.03	1.57	0.64	6	207
10 ISL	14.97	14.97	33.313	24.679	325.6	0.033	6.14	106.8	4.6	0.48	1.2	0.08	1.62	0.56	10	
11	14.95	14.95	33.314	24.684	325.2	0.036	6.09	105.9	4.7	0.50	1.4	0.09	1.63	0.53	11	206
20 ISL	14.71	14.71	33.318	24.739	320.2	0.065	5.93	102.6	5.0	0.55	2.2	0.14	1.84	0.53	20	
21	14.68	14.68	33.318	24.746	319.6	0.068	5.91	102.2	5.0	0.56	2.3	0.14	1.85	0.53	21	205
30 ISL	14.23	14.23	33.333	24.853	309.7	0.097	5.98	102.4	4.9	0.58	2.7	0.14	1.50	0.72	30	
32	14.09	14.09	33.336	24.884	306.7	0.103	6.00	102.5	4.9	0.58	2.8	0.14	1.38	0.74	32	204
41	13.15	13.14	33.335	25.075	288.7	0.130	5.26	88.1	7.7	0.91	7.4	0.24	0.79	0.44	41	203
50 ISL	12.19	12.18	33.359	25.281	269.3	0.155	4.81	79.0	10.3	1.13	11.3	0.16	0.44	0.39	50	
51	12.09	12.08	33.363	25.303	267.3	0.157	4.77	78.2	10.6	1.15	11.7	0.15	0.41	0.38	51	202
61	11.34	11.33	33.406	25.475	251.0	0.183	4.53	73.1	12.8	1.31	14.3	0.08	0.28	0.28	61	201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	CLD	AMT	TYPE
33 52.9 N	120 8.3 W	21/11/02	0848	UTC	106 m	060	09 kn			1016.6 mb	18.0 c	15.7 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	16.15	16.15	33.401	24.485	343.8	0.000	5.95	106.0	2.9	0.31	0.1	0.00				0
1	16.15	16.15	33.401	24.485	343.9	0.003	5.95	106.0	2.9	0.31	0.1	0.00				1 210
10	15.44	15.44	33.365	24.617	331.6	0.034	6.01	105.5	3.6	0.38	0.8	0.02				10 209
20	14.82	14.82	33.344	24.736	320.5	0.066	5.87	101.8								20 208
30	14.54	14.54	33.349	24.800	314.7	0.098	5.76	99.3	4.6	0.57	2.8	0.06				30 207
40	14.34	14.33	33.358	24.849	310.3	0.129	5.66	97.2	5.3	0.62	3.6	0.06				40 206
50	12.59	12.58	33.418	25.250	272.3	0.159	4.90	81.2	9.6	1.03	9.8	0.10				50 205
60	11.29	11.28	33.488	25.548	244.1	0.184	4.17	67.2	13.9	1.37	15.3	0.10				60 204
70	10.88	10.87	33.542	25.664	233.3	0.208	3.87	61.9	15.8	1.50	17.3	0.07				70 203
75 ISL	10.88	10.87	33.553	25.672	232.6	0.220	3.81	60.9	16.1	1.51	17.5	0.07				75
80	10.87	10.86	33.564	25.683	231.7	0.232	3.79	60.6	16.3	1.52	17.6	0.07				80 202
92	10.85	10.84	33.584	25.702	230.1	0.259	3.74	59.7	16.8	1.54	17.8	0.08				92 201

LATITUDE	LONGITUDE	DAY/MO/YR	CAST	TIME	BOTTOM	WIND	SPEED	WAVES	WEA	BAROMETER	DRY	WET	SECCHI	CLD	AMT	TYPE
33 44.8 N	120 24.9 W	21/11/02	0505	UTC	1042 m	360	08 kn			1016.2 mb	18.7 c	15.9 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	16.19	16.19	33.386	24.464	345.8	0.000	5.88	104.8	0.3	0.39	0.1	0.00	0.30	0.09		0
1	16.19	16.19	33.386	24.464	345.8	0.003	5.88	104.8	0.3	0.39	0.1	0.00	0.30	0.09		1 220
9	15.87	15.87	33.376	24.529	339.9	0.031	5.89	104.3	0.2	0.39	0.1	0.00	0.31	0.09		9 219
10 ISL	15.87	15.87	33.378	24.531	339.8	0.034	5.89	104.3	0.2	0.39	0.1	0.00	0.31	0.09		10
19	15.88	15.88	33.392	24.540	339.2	0.065	5.91	104.7	0.2	0.38	0.1	0.01	0.36	0.11		19 218
20 ISL	15.88	15.88	33.393	24.540	339.2	0.068	5.91	104.7	0.2	0.38	0.1	0.01	0.37	0.11		20
29	15.84	15.84	33.403	24.557	337.8	0.099	5.91	104.6	0.2	0.38	0.1	0.00	0.41	0.13		29 217
30 ISL	15.79	15.79	33.396	24.563	337.3	0.102	5.91	104.5	0.2	0.38	0.2	0.00	0.46	0.15		30
39	14.80	14.79	33.241	24.661	328.2	0.132	5.95	103.1	0.6	0.47	0.7	0.05	0.92	0.33		39 216
49	12.16	12.15	32.903	24.932	302.4	0.164	6.06	99.2	2.7	0.74	3.8	0.20	0.91	0.44		49 215
50 ISL	12.02	12.01	32.893	24.951	300.7	0.167	6.04	98.5	3.0	0.76	4.2	0.20	0.87	0.44		50
59	11.34	11.33	32.921	25.098	286.8	0.193	5.68	91.3	5.9	0.95	7.8	0.20	0.49	0.34		59 214
69	11.25	11.24	33.158	25.299	268.0	0.221	5.18	83.3	8.9	1.14	11.7	0.03	0.17	0.18		69 213
75 ISL	11.22	11.21	33.195	25.333	264.9	0.237	5.11	82.1	9.4	1.18	12.3	0.03	0.16	0.18		75
84	11.17	11.16	33.245	25.381	260.5	0.260	5.04	80.9	10.2	1.22	13.0	0.02	0.15	0.18		84 212
98	10.46	10.45	33.456	25.671	233.2	0.295	4.40	69.6	15.0	1.47	17.4	0.02	0.05	0.09		98 211
100 ISL	10.36	10.35	33.482	25.708	229.7	0.300	4.30	67.9	15.7	1.50	18.0	0.02	0.05	0.09		100
119	9.58	9.57	33.689	26.001	202.1	0.341	3.50	54.4	22.1	1.77	22.5	0.01	0.02	0.06		120 210
125 ISL	9.42	9.41	33.741	26.068	195.9	0.353	3.31	51.3	23.8	1.83	23.6	0.01	0.01	0.06		126
139	9.15	9.13	33.839	26.188	184.7	0.379	2.98	45.9	27.2	1.95	25.6	0.01	0.00	0.05		140 209
150 ISL	8.97	8.95	33.887	26.254	178.5	0.399	2.83	43.5	29.0	2.01	26.5	0.01	0.00	0.05		151
166	8.77	8.75	33.934	26.323	172.3	0.427	2.71	41.4	31.0	2.06	27.4	0.01	0.01	0.04		167 208
197	8.53	8.51	34.009	26.419	163.7	0.479	2.55	38.8	34.6	2.16	28.5	0.01	0.00	0.02		198 207
200 ISL	8.49	8.47	34.012	26.428	162.9	0.484	2.54	38.6	35.0	2.17	28.6	0.01				201
227	8.16	8.14	34.031	26.493	157.1	0.527	2.40	36.2	38.4	2.24	30.0	0.01				228 206
250 ISL	7.96	7.93	34.053	26.540	153.0	0.563	2.22	33.3	41.1	2.33	31.0	0.01				251
268	7.81	7.78	34.070	26.576	149.8	0.590	2.06	30.8	43.3	2.40	31.7	0.01				270 205
300 ISL	7.48	7.45	34.099	26.646	143.5	0.637	1.75	26.0	48.5	2.54	33.3	0.01				302
318	7.30	7.27	34.116	26.685	140.0	0.663	1.57	23.2	51.6	2.62	34.1	0.01				320 204
376	6.95	6.91	34.186	26.789	130.8	0.741	1.03	15.1	59.7	2.84	36.1	0.01				378 203
400 ISL	6.80	6.76	34.213	26.831	127.1	0.772	0.85	12.4	63.2	2.92	37.0	0.01				403
437	6.59	6.55	34.249	26.888	122.1	0.818	0.62	9.0	68.2	3.04	38.2	0.01				440 202
500 ISL	6.36	6.31	34.289	26.951	116.9	0.894	0.43	6.2	73.4	3.17	39.3	0.01				503
521	6.29	6.24	34.302	26.970	115.3	0.918	0.37	5.4	75.2	3.22	39.6	0.01				525 201

Table with columns: LATITUDE, LONGITUDE, DAY/MO/YR, CAST TIME, BOTTOM, WIND, SPEED, WAVES, WEA, BAROMETER, DRY, WET, SECCHI, CLD AMT, TYPE. Includes depth data from 0 to 65 meters.

A) PRIMARY PRODUCTIVITY SAMPLES WERE TAKEN FROM THESE LEVELS.

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