

POLARSTERN ARKTIS II LEG 3

STATION 325 CAST ONE

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 81 18.5 N 15 23.1 E 07/22/84 1150 GMT 1745 2223 M 08 10 2.1 1.3

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12	Cs-137
4	-1.332	32.952	8.29	98.0	2.1	0.47	4.8	.04	5.02	2.16	2.32	59
20	-0.113	33.740	8.49	104.3	1.0	0.39	2.7	.04	4.96	2.14	2.31	
43	-0.548	34.259	7.75	94.5	3.2	0.66	7.3	.09	4.70	2.05	2.30	55
117	2.316	34.863	7.16	94.4	5.0	0.83	11.6	.04	4.30	1.91	2.25	
144	2.450	34.894	7.18	95.0	4.9	0.84	11.6	.15	4.25	1.84	2.31	56
171	2.294	34.897	7.37	97.1	4.5	0.82	10.5	.18	4.52	1.93	2.35	58
195	1.885	34.872	7.54	98.3	4.1	0.80	9.4	.24	4.78	2.08	2.30	
272	2.331	34.946	7.29	96.2	5.0	0.84	11.2	.30	4.56	1.95	2.34	45
352	2.556	34.980	7.21	95.7	5.4	0.87	12.1	.26				
433	2.323	34.991	7.21	95.1	5.8	0.89	12.6	.04	4.13	1.94	2.13	
510	1.969	34.983	7.19	94.0	6.1	0.90	12.8	.01	3.70	1.60	2.31	
620	1.257	34.955	7.14	91.6	6.5	0.92	13.0	.01	2.87	1.26	2.28	39
720	0.658	34.933	7.08	89.4	7.2	0.94	13.3	.00	2.10	.93	2.27	21
826	0.165	34.923	7.04	87.8	8.0	0.95	13.6	.00	1.37	.83	1.65	787
984	-0.254	34.921	7.01	86.4	9.0	0.99	13.9	.00	.86	.47	1.85	12
1182	-0.540	34.921	7.00	85.6	10.1	1.02	14.3	.00	.49	.37	1.31	1200 74
1378	-0.685	34.923	6.99	85.1	10.8	1.02	14.5	.00	.35	.40	.86	
1574	-0.774	34.923	6.98	84.8	11.4	1.04	14.6	.00	.25	.39	.64	1100 7.8
1672	-0.811	34.923	6.99	84.8	11.6	1.04	14.7	.00	.23	.29	.81	
1811	-0.835	34.924	6.98	84.6	11.8	1.04	14.7	.00	.24	.26	.93	
1870	-0.842	34.926	6.98	84.6	11.9	1.05	14.7	.00	.17	.14	1.23	
2016	-0.846	34.926	6.98	84.6	12.0	1.05	14.6	.00	.18	.14	1.32	2000 3.0
2145	-0.835	34.932	6.95	84.2	12.1	1.04	14.6	.00	.14	.10	1.40	
2215	-0.831	34.932	6.96	84.3	12.1	1.10	14.6	.00	.14	.11	1.32	

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB	Cs-137
4	-1.332	-1.332	32.952	26.504	31.271	35.930	40.484	51.8	0.1825	3689.6	4	
20	-0.113	-0.114	33.740	27.094	31.817	36.433	40.945	95.8	0.1635	1912.3	20	
43	-0.548	-0.549	34.259	27.534	32.265	36.890	41.410	54.0	0.1465	399.2	43	
117	2.316	2.309	34.863	27.836	32.479	37.019	41.455	26.3	0.1168	48.8	118	
144	2.450	2.442	34.894	27.850	32.489	37.025	41.457	25.2	0.1099	41.5	146	
171	2.294	2.284	34.897	27.866	32.510	37.049	41.486	23.8	0.1032	62.6	173	
195	1.885	1.875	34.872	27.879	32.534	37.085	41.533	22.5	0.0977	27.1	197	
272	2.331	2.315	34.946	27.903	32.545	37.083	41.519	21.0	0.0811	8.1	275	
352	2.556	2.535	34.980	27.911	32.547	37.079	41.509	20.9	0.0643	39.2	356	
433	2.323	2.297	34.991	27.940	32.582	37.121	41.557	18.5	0.0483	35.4	438	
510	1.969	1.940	34.983	27.963	32.615	37.163	41.608	16.4	0.0349	38.3	516	
620	1.257	1.225	34.955	27.994	32.667	37.235	41.699	12.8	0.0188	33.3	628	
720	0.658	0.623	34.933	28.016	32.707	37.291	41.772	9.9	0.0075	30.3	729	
826	0.165	0.128	34.923	28.037	32.742	37.341	41.836	7.0	-0.0014	20.2	837	
984	-0.254	-0.296	34.921	28.058	32.775	37.387	41.894	4.0	-0.0100	11.7	997	
1182	-0.540	-0.590	34.921	28.072	32.799	37.418	41.934	1.6	-0.0154	7.3	1198	
1378	-0.685	-0.744	34.923	28.080	32.812	37.436	41.956	0.0	-0.0170	4.4	1397	
1574	-0.774	-0.843	34.923	28.084	32.819	37.447	41.969	-1.1	-0.0159	3.9	1597	
1672	-0.811	-0.886	34.923	28.086	32.822	37.451	41.975	-1.6	-0.0146	2.7	1697	
1811	-0.835	-0.918	34.924	28.088	32.825	37.455	41.979	-2.2	-0.0119	4.6	1838	
1870	-0.842	-0.929	34.926	28.091	32.827	37.458	41.983	-2.5	-0.0105	0.9	1899	
2016	-0.846	-0.942	34.926	28.091	32.828	37.459	41.984	-2.9	-0.0066	3.6	2048	
2145	-0.835	-0.940	34.932	28.096	32.833	37.464	41.989	-3.5	-0.0025	0.0	2179	
2215	-0.831	-0.941	34.932	28.096	32.833	37.464	41.989	-3.6	0.0000		2251	

POLARSTERN ARKTIS II LEG 3

STATION 329

LATITUDE	LONGITUDE	MO/DY/YR	ON TIME	OFF	BOTTOM	WIND	SPEED	AIR TEMP	WET BULB
81 46.0 N	10 38.6 W	07/26/84	0828	GMT 0908	206 M	16	19	-0.1	-0.4

DEPTH	TEMP	SALINITY	DIS O2	O2 SAT	SI03	PO4	NO3	NO2	FREON-11	FREON-12	F11/F12
M	DEG C		ML/L	%	UM/L	UM/L	UM/L	UM/L	PM/KG	PM/KG	
2	-0.456	31.761	9.30	111.7	4.2	0.72	0.0	.02	5.44	2.94	1.85
20	-1.573	32.259	8.69	101.6	10.1	1.00	3.7	.07			
40	-1.698	32.457	8.32	97.1	14.9	1.18	6.1	.04	4.59	1.99	2.31
59	-1.379	33.266	7.28	86.2	18.5	1.17	9.6	.03	3.03	1.37	2.21
90	-0.736	34.304	6.85	83.1	10.9	0.91	10.9	.03			
118	-0.360	34.560	6.76	83.0	9.5	0.86	11.6	.04	1.03	.50	2.07
147	0.035	34.666	6.74	83.7	9.3	0.89	12.1	.04	.86	.45	1.91
176	0.407	34.832	6.73	84.5	8.4	0.89	12.7	.04	.67	.33	2.01
197	0.502	34.858	6.74	84.8	8.2	0.88	12.7	.04	.62	.32	1.94

DEPTH	TEMP	POT TEMP	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL	DD	STABIL	PRESS
M	DEG C	DEG C						CL/TON	DYN M	X 10E8	DB
2	-0.456	-0.456	31.761	25.510	30.260	34.904	39.442	46.2	0.1643	2430.6	2
20	-1.573	-1.573	32.259	25.948	30.728	35.401	39.968	04.5	0.1243	818.5	20
40	-1.698	-1.699	32.457	26.111	30.894	35.569	40.138	88.8	0.0848	3410.3	40
59	-1.379	-1.380	33.266	26.760	31.525	36.184	40.736	27.1	0.0546	2633.6	60
90	-0.736	-0.739	34.304	27.579	32.315	36.945	41.470	49.7	0.0280	676.6	91
118	-0.360	-0.364	34.560	27.769	32.492	37.109	41.621	31.7	0.0171	220.6	119
147	0.035	0.030	34.666	27.835	32.545	37.149	41.649	25.6	0.0089	383.0	149
176	0.407	0.400	34.832	27.948	32.646	37.238	41.726	15.1	0.0030	70.9	178
197	0.502	0.494	34.858	27.963	32.658	37.248	41.733	13.8	0.0000		199

POLARSTERN ARKTIS II LEG 3

STATION 330

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 81 50.2 N 10 29.4 W 07/26/84 1113 GMT 1137 1155 M 16 21 -0.1 -0.4

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SID3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
2	-0.123	31.731	9.09	110.1	4.2	0.74	0.1	.01	5.43	2.34	2.32
17	-1.662	32.243	8.63	100.6	14.0	1.18	5.0	.03	4.37	1.93	2.27
37	-1.716	32.384	8.41	98.0	16.1	1.24	6.1	.02	4.50	1.93	2.33
75	-1.169	33.248	7.28	86.6	18.5	1.18	9.6	.02	2.90	1.33	2.18
92	-1.264	34.052	6.97	83.2	11.8	0.90	9.7	.01	2.26	1.06	2.13
121	-0.672	34.367	6.85	83.3	10.0	0.88	10.6	.02	1.44	.70	2.06
165	-0.002	34.659	6.71	83.2	9.5	0.90	12.0	.01	.83	.43	1.91
215	0.460	34.802	6.78	85.2	7.9	0.90	12.2	.01	1.09	.54	2.04
285	0.649	34.859	6.84	86.4	7.2	0.90	12.3	.01	1.17	.61	1.93
384	0.543	34.876	6.78	85.4	8.0	0.92	12.8	.01	.64	.27	2.40
492	0.384	34.883	6.78	85.0	8.5	0.94	13.0	.01	.37	.20	1.81
584	0.278	34.888	6.82	85.3	8.5	0.96	12.9	.01	.37	.21	1.74
684	0.211	34.892	6.83	85.3	8.5	0.93	12.9	.01	.38	.20	1.93
830	0.081	34.897	6.88	85.6	8.3	0.95	12.9	.01	.45	.23	1.96
959	-0.032	34.905	6.92	85.8	8.3	0.93	12.9	.01			
1060	-0.080	34.907	6.94	85.9	8.3	0.94	12.8	.01	.56	.29	1.93
1157	-0.149	34.907	6.95	85.9	8.4	0.92	12.8	.00	.64	.31	2.09

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
2	-0.123	-0.123	31.731	25.473	30.213	34.847	39.375	49.7	0.2885	3093.3	2
17	-1.662	-1.662	32.243	25.937	30.720	35.396	39.966	05.5	0.2549	577.4	17
37	-1.716	-1.717	32.384	26.052	30.836	35.513	40.083	94.4	0.2151	1804.1	37
75	-1.169	-1.171	33.248	26.739	31.498	36.150	40.697	29.1	0.1519	3852.4	76
92	-1.264	-1.266	34.052	27.394	32.149	36.797	41.340	66.9	0.1352	795.1	93
121	-0.672	-0.676	34.367	27.627	32.361	36.989	41.511	45.0	0.1190	456.7	122
165	-0.002	-0.008	34.659	27.831	32.542	37.148	41.649	26.0	0.1038	173.6	167
215	0.460	0.451	34.802	27.921	32.617	37.208	41.695	17.8	0.0932	47.6	217
285	0.649	0.636	34.859	27.956	32.646	37.231	41.713	14.8	0.0821	21.6	288
384	0.543	0.526	34.876	27.976	32.670	37.258	41.742	12.9	0.0685	16.2	388
492	0.384	0.363	34.883	27.991	32.690	37.283	41.771	11.4	0.0554	13.0	498
584	0.278	0.253	34.888	28.002	32.703	37.300	41.791	10.4	0.0454	8.5	591
684	0.211	0.181	34.892	28.009	32.713	37.311	41.804	9.6	0.0354	10.1	692
830	0.081	0.044	34.897	28.021	32.729	37.330	41.828	8.3	0.0223	12.2	841
959	-0.032	-0.075	34.905	28.033	32.745	37.350	41.851	6.9	0.0125	5.7	971
1060	-0.080	-0.128	34.907	28.038	32.751	37.357	41.860	6.3	0.0058	6.3	1074
1157	-0.149	-0.202	34.907	28.042	32.757	37.365	41.870	5.7	0.0000		1173

POLARSTERN ARKTIS II LEG 3

STATION 331 CAST ONE

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 81 54.4 N 10 14.8 W 07/26/84 1416 GMT 1502 2338 M 16 25 -0.1 -0.4

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SIO3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
1	0.236	31.665	9.19	112.4	0.5	0.61	0.0	.00	5.66	2.41	2.35
22	-1.598	32.273	8.50	99.3	12.3	1.06	4.7	.03	4.76	2.02	2.36
44	-1.716	32.391	8.30	96.7	14.8	1.13	6.0	.02	4.76	2.05	2.32
61	-1.752	32.519	8.13	94.7	16.4	1.14	6.8	.01	4.61	2.00	2.31
122	-0.889	34.286	6.86	82.9	10.4	0.83	10.6	.00	1.58	.73	2.16
171	-0.086	34.649	6.71	83.0	9.2	0.84	12.0	.00			
230	0.575	34.814	6.89	86.8	6.5	0.83	11.9	.00	1.58	.75	2.11
296	0.519	34.856	6.74	84.8	8.1	0.89	12.8	.00	.66	.34	1.96
370	0.519	34.870	6.76	85.1	8.1	0.90	12.9	.00			
440	0.422	34.881	6.78	85.1	8.4	0.90	13.0	.00			
517	0.345	34.882	6.80	85.2	8.4	0.90	13.0	.00			
602	0.249	34.890	6.82	85.2	8.4	0.92	13.0	.00	.38	.20	1.91
692	0.174	34.894	6.86	85.5	8.4	0.90	13.0	.00	.43	.20	2.18
838	0.047	34.899	6.91	85.9	8.1	0.90	12.9	.00	.51	.26	1.97
997	-0.074	34.905	6.96	86.2	8.2	0.90	12.9	.00	.59	.27	2.15
1135	-0.165	34.909	6.97	86.1	8.3	0.89	13.0	.00			
1329	-0.294	34.918	6.99	86.0	8.7	0.91	13.0	.00			
1539	-0.395	34.926	6.96	85.4	9.4	0.93	13.3	.00	.72	.36	2.03
1722	-0.461	34.934	6.95	85.1	10.0	0.95	13.6	.00	.66	.25	2.62?
1919	-0.530	34.934	6.95	84.9	10.4	0.95	13.8	.00	.58	.29	2.01
2069	-0.582	34.933	6.96	84.9	10.5	0.96	13.9	.00	.55	.27	2.06
2212	-0.665	34.931	7.01	85.3	10.5	0.97	13.9	.00	.50	.29	1.75
2281	-0.712	34.930	7.02	85.3	10.7	0.94	14.0	.00	.44	.22	2.00
2330	-0.764	34.932	7.01	85.1	10.9	0.95	14.1	.00	.36	.19	1.97

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TDN	DD DYN M	STABIL X 10E8	PRESS DB
1	0.236	0.236	31.665	25.404	30.134	34.758	39.276	56.3	0.3246	2648.3	1
22	-1.598	-1.598	32.273	25.959	30.741	35.415	39.982	03.4	0.2771	447.2	23
44	-1.716	-1.717	32.391	26.058	30.842	35.518	40.089	93.8	0.2334	616.8	44
61	-1.752	-1.753	32.519	26.163	30.947	35.623	40.193	83.7	0.2013	2301.3	62
122	-0.889	-0.892	34.286	27.570	32.312	36.947	41.476	50.3	0.1291	516.9	123
171	-0.086	-0.092	34.649	27.828	32.541	37.149	41.653	26.3	0.1119	155.6	173
230	0.575	0.565	34.814	27.924	32.617	37.204	41.688	17.6	0.0996	57.3	232
296	0.519	0.506	34.856	27.961	32.656	37.244	41.729	14.2	0.0893	15.7	299
370	0.519	0.503	34.870	27.973	32.667	37.256	41.741	13.2	0.0792	22.8	374
440	0.422	0.403	34.881	27.988	32.684	37.277	41.764	11.7	0.0705	8.2	445
517	0.345	0.322	34.882	27.993	32.692	37.287	41.776	11.2	0.0616	16.1	523
602	0.249	0.223	34.890	28.005	32.708	37.304	41.797	10.0	0.0526	10.0	609
692	0.174	0.144	34.894	28.013	32.717	37.317	41.811	9.2	0.0439	9.9	700
838	0.047	0.010	34.899	28.024	32.733	37.336	41.834	7.9	0.0314	9.4	849
997	-0.074	-0.118	34.905	28.036	32.748	37.355	41.857	6.6	0.0199	8.0	1010
1135	-0.165	-0.216	34.909	28.044	32.759	37.369	41.873	5.5	0.0116	9.9	1150
1329	-0.294	-0.355	34.918	28.058	32.778	37.391	41.900	3.6	0.0027	7.7	1348
1539	-0.395	-0.467	34.926	28.070	32.793	37.409	41.921	2.0	-0.0031	7.4	1561
1722	-0.461	-0.544	34.934	28.080	32.805	37.424	41.938	0.6	-0.0054	4.2	1748
1919	-0.530	-0.625	34.934	28.084	32.811	37.433	41.948	-0.3	-0.0057	3.5	1948
2069	-0.582	-0.686	34.933	28.086	32.815	37.438	41.956	-0.9	-0.0047	5.7	2102
2212	-0.665	-0.777	34.931	28.088	32.820	37.446	41.967	-1.8	-0.0028	6.9	2248
2281	-0.712	-0.828	34.930	28.090	32.823	37.450	41.972	-2.4	-0.0013	15.2	2318
2330	-0.764	-0.883	34.932	28.094	32.829	37.458	41.981	-3.2	0.0000		2368

POLARSTERN ARKTIS II LEG 3

STATION 332

LATITUDE 82 04.5 N LONGITUDE 9 26.8 W MO/DY/YR 07/26/84 ON TIME 2245 GMT OFF 2337 BOTTOM 2724 M WIND 16 SPEED 24 AIR TEMP -0.1 WET BULB -0.4

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
3	0.074	31.806	9.41	114.7	0.6	0.66	0.0	.01	5.63	2.45	2.30
16	-0.799	31.979	9.12	108.7	4.8	0.82	0.0	.00	5.27	2.34	2.25
42	-1.610	32.306	8.38	97.9	13.2	1.09	4.6	.03	4.82	2.14	2.26
78	-1.751	32.536	8.16	95.1	17.1	1.26	6.3	.00	4.45	1.92	2.32
133	-1.060	34.094	6.87	82.5	12.3	0.93	9.6	.00	1.79	.87	2.06
196	-0.243	34.615	6.88	84.7	7.4	0.83	10.3	.00	1.36	.69	1.97
327	0.716	34.862	6.91	87.4	6.6	0.87	11.5	.00			
394	0.571	34.870	6.79	85.6	7.7	0.90	12.1	.00	.58	.30	1.93
492	0.437	34.881	6.81	85.5	8.1	0.91	12.2	.00	.45	.23	1.93
589	0.294	34.890	6.93	86.7	7.6	0.91	12.0	.00	.64	.32	1.99
744	0.043	34.898	6.95	86.4	7.8	0.92	12.1	.00	.63	.32	1.99
887	-0.105	34.903	6.97	86.3	8.1	0.93	12.2	.00	.61	.31	1.97
1034	-0.217	34.909	7.01	86.5	8.2	0.93	12.2	.01	.73	.37	1.98
1180	-0.302	34.915	6.99	86.0	8.6	0.92	12.4	.01	.73	.36	2.05
1378	-0.381	34.923	6.97	85.6	9.3	0.95	12.6	.01	.69	.34	2.00
1574	-0.451	34.928	6.97	85.4	9.8	0.95	12.8	.01	.67	.37	1.83
1772	-0.506	34.931	6.95	85.0	10.2	0.98	13.0	.01	.63	.30	2.11
1968	-0.577	34.931	6.98	85.2	10.4	0.98	13.0	.01	.57	.29	1.97
2163	-0.667	34.927	7.04	85.7	10.4	0.98	13.2	.00	.51	.30	1.69
2364	-0.728	34.926	7.02	85.3	10.7	0.98	13.3	.01	.39	.21	1.86
2555	-0.764	34.929	7.05	85.5	11.1	0.99	13.5	.00	.31	.19	1.67
2703	-0.785	34.935	6.98	84.6	11.4	1.00	13.6	.00	.20	.13	1.54
2718	-0.787	34.937	6.98	84.6	11.3	0.99	13.4	.00	.20	.11	1.82

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
3	0.074	0.074	31.806	25.525	30.259	34.886	39.408	44.8	0.3443	1339.0	3
16	-0.799	-0.799	31.979	25.699	30.458	35.109	39.656	28.2	0.3136	1108.5	16
42	-1.610	-1.611	32.306	25.986	30.768	35.442	40.009	00.6	0.2580	528.6	43
78	-1.751	-1.752	32.536	26.177	30.960	35.636	40.207	82.2	0.1889	2256.1	79
133	-1.060	-1.064	34.094	27.421	32.169	36.811	41.347	64.3	0.1205	606.7	134
196	-0.243	-0.250	34.615	27.808	32.527	37.140	41.648	28.0	0.0943	105.4	198
327	0.716	0.701	34.862	27.954	32.643	37.226	41.705	15.0	0.0661	25.3	331
394	0.571	0.554	34.870	27.969	32.662	37.250	41.734	13.6	0.0566	19.2	398
492	0.437	0.415	34.881	27.987	32.684	37.275	41.762	11.9	0.0441	18.6	498
589	0.294	0.268	34.890	28.002	32.704	37.299	41.790	10.3	0.0333	16.5	596
744	0.043	0.011	34.898	28.023	32.732	37.335	41.833	8.0	0.0192	11.1	753
887	-0.105	-0.143	34.903	28.035	32.749	37.356	41.859	6.5	0.0088	9.7	898
1034	-0.217	-0.262	34.909	28.046	32.763	37.374	41.880	5.1	0.0003	8.4	1048
1180	-0.302	-0.354	34.915	28.056	32.775	37.389	41.897	4.0	-0.0063	7.3	1196
1378	-0.381	-0.444	34.923	28.067	32.789	37.404	41.916	2.5	-0.0127	5.7	1397
1574	-0.451	-0.525	34.928	28.074	32.799	37.417	41.930	1.3	-0.0164	4.4	1597
1772	-0.506	-0.591	34.931	28.080	32.806	37.427	41.942	0.4	-0.0181	4.3	1799
1968	-0.577	-0.674	34.931	28.084	32.813	37.435	41.953	-0.6	-0.0178	3.6	1998
2163	-0.667	-0.776	34.927	28.085	32.817	37.443	41.963	-1.5	-0.0158	3.6	2198
2364	-0.728	-0.850	34.926	28.087	32.822	37.450	41.972	-2.4	-0.0118	4.2	2403
2555	-0.764	-0.900	34.929	28.092	32.828	37.457	41.981	-3.4	-0.0063	5.7	2598
2703	-0.785	-0.932	34.935	28.098	32.835	37.465	41.990	-4.3	-0.0007	12.2	2750
2718	-0.787	-0.935	34.937	28.100	32.837	37.467	41.992	-4.5	0.0000		2765

POLARSTERN ARKTIS II LEG 3

STATION 333

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 82 16.2 N 8 40.0 W 07/27/84 0511 GMT 0606 2857 M 17 15 -1.4 -1.5

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
0	-0.980	32.003	8.65	102.6	11.9	1.03	4.0	.03	5.33	2.29	2.33
34	-1.626	32.278	8.38	97.8	12.3	0.99	4.9	.03	5.07	2.18	2.33
68	-1.748	32.450	8.26	96.2	15.1	1.13	6.2	.01	4.76	2.06	2.31
108	-1.526	34.016	7.11	84.2	10.0	0.81	8.9	.01	2.68	1.24	2.17
173	-0.496	34.516	7.12	87.0	6.1	0.74	9.9	.01	1.99	.95	2.10
222	0.242	34.721	6.95	86.8	6.3	0.81	11.2	.01			
291	0.616	34.843	6.85	86.4	6.9	0.83	12.4	.01	1.31	.64	2.06
322	0.658	34.862	6.89	87.0	6.7	0.82	12.3	.01			
395	0.691	34.886	6.92	87.5	6.7	0.83	12.5	.01	.98	.51	1.92
492	0.504	34.887	6.88	86.6	7.1	0.85	12.6	.01	.77	.39	1.96
591	0.262	34.893	6.99	87.4	7.1	0.85	12.5	.01	.86	.43	2.01
745	0.023	34.897	7.01	87.1	7.1	0.85	12.5	.01	1.02	.52	1.96
886	-0.190	34.901	7.09	87.5	7.1	0.85	12.4	.01	1.34	.66	2.03
1035	-0.295	34.912	7.04	86.7	8.0	0.89	12.9	.01	.96	.47	2.06
1187	-0.360	34.916	7.02	86.3	8.5	0.89	13.1	.01			
1380	-0.443	34.925	6.98	85.6	9.4	0.87	13.3	.01	.73	.36	2.00
1576	-0.520	34.929	6.98	85.4	10.0	0.94	13.6	.01	.67	.34	1.95
1789	-0.605	34.931	7.00	85.4	10.3	0.96	13.8	.01	.53	.27	1.98
1968	-0.690	34.928	7.04	85.7	10.4	0.96	13.9	.00	.46	.26	1.76
2164	-0.767	34.925	7.01	85.1	11.0	0.88	14.1	.01	.31	.18	1.71
2361	-0.798	34.930	7.02	85.1	11.2	1.00	14.2	.01	.25	.15	1.66
2555	-0.801	34.932	7.01	84.9	11.5	1.00	14.2	.01	.20	.15	1.31
2754	-0.789	34.935	6.98	84.6	11.7	0.99	14.3	.01	.15	.12	1.28
2849	-0.781	34.937	6.95	84.2	11.7	0.99	14.2	.01	.15	.10	1.46

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
0	-0.980	-0.980	32.003	25.724	30.488	35.146	39.697	25.9	0.3020	707.6	0
34	-1.626	-1.627	32.278	25.964	30.746	35.421	39.989	02.8	0.2293	419.0	35
68	-1.748	-1.749	32.450	26.106	30.891	35.568	40.139	88.9	0.1628	3162.5	69
108	-1.526	-1.528	34.016	27.373	32.137	36.793	41.344	68.8	0.1108	556.5	109
173	-0.496	-0.502	34.516	27.740	32.468	37.089	41.605	34.3	0.0773	252.1	175
222	0.242	0.233	34.721	27.868	32.572	37.170	41.663	22.6	0.0637	106.5	224
291	0.616	0.603	34.843	27.945	32.636	37.223	41.705	15.8	0.0509	40.2	294
322	0.658	0.644	34.862	27.958	32.648	37.233	41.714	14.7	0.0462	23.7	326
395	0.691	0.673	34.886	27.975	32.664	37.248	41.728	13.2	0.0360	15.4	399
492	0.504	0.482	34.887	27.988	32.682	37.272	41.757	11.9	0.0238	23.2	498
591	0.262	0.236	34.893	28.007	32.709	37.305	41.797	9.9	0.0130	14.0	598
745	0.023	-0.009	34.897	28.023	32.733	37.336	41.835	8.0	-0.0006	14.0	754
886	-0.190	-0.228	34.901	28.038	32.754	37.364	41.869	6.0	-0.0105	11.8	897
1035	-0.295	-0.340	34.912	28.053	32.772	37.385	41.893	4.3	-0.0181	5.9	1049
1187	-0.360	-0.412	34.916	28.059	32.781	37.396	41.906	3.4	-0.0240	7.8	1203
1380	-0.443	-0.505	34.925	28.071	32.795	37.413	41.926	1.8	-0.0290	5.6	1399
1576	-0.520	-0.593	34.929	28.078	32.805	37.425	41.940	0.6	-0.0314	5.1	1599
1789	-0.605	-0.690	34.931	28.084	32.814	37.437	41.955	-0.6	-0.0314	4.0	1816
1968	-0.690	-0.785	34.928	28.086	32.819	37.444	41.965	-1.5	-0.0296	3.4	1999
2164	-0.767	-0.874	34.925	28.087	32.823	37.451	41.975	-2.4	-0.0258	4.4	2199
2361	-0.798	-0.919	34.930	28.093	32.830	37.460	41.984	-3.4	-0.0201	1.9	2400
2555	-0.801	-0.936	34.932	28.096	32.833	37.463	41.988	-4.0	-0.0129	1.3	2598
2754	-0.789	-0.940	34.935	28.098	32.835	37.466	41.991	-4.5	-0.0044	1.7	2802
2849	-0.781	-0.939	34.937	28.100	32.837	37.467	41.993	-4.7	0.0000		2899

POLARSTERN ARKTIS II LEG 3

STATION 334 CAST ONE

LATITUDE 82 32.0 N LONGITUDE 6 09.1 W MO/DY/YR 07/27/84 ON TIME OFF 1920 GMT 2045 BOTTOM 4343 M WIND 17 SPEED 12 AIR TEMP -1.5 WET BULB -1.7

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
5	-1.600	32.185	8.41	98.2	10.6	0.86	4.1	.03	5.20	2.16	2.41
23	-1.688	32.320	8.88	103.5	8.7	0.73	3.7	.03	5.14	2.15	2.38
43	-1.730	32.421	8.73	101.7	5.8	0.50	3.0	.02			
78	-1.670	33.338	7.44	87.4	13.0	0.86	7.9	.01			
122	-1.438	34.201	7.33	87.2	6.0	0.71	8.7	.00			
234	1.747	34.900	7.09	92.2	6.0	0.85	12.0	.01	3.17	1.46	2.17
352	1.044	34.900	7.02	89.6	6.4	0.87	12.2	.01	1.98	.93	2.13
386	1.219	34.923	7.03	90.1	6.5	0.88	12.4	.00	2.17	1.00	2.17
481	0.921	34.919	7.02	89.3	6.5	0.88	12.5	.00	1.64	.76	2.16
739	0.117	34.909	7.05	87.8	7.0	0.89	12.5	.00	1.03	.52	1.97
886	-0.111	34.914	7.06	87.4	7.6	0.92	12.9	.00	.83	.42	1.98
1084	-0.362	34.921	7.04	86.5	8.6	0.94	13.3	.00	.62	.32	1.92
1280	-0.533	34.923	7.00	85.6	9.9	1.00	14.0	.00	.49	.28	1.79
1477	-0.626	34.924	7.00	85.4	10.8	1.00	14.2	.00	.38	.21	1.76
1723	-0.754	34.922	7.01	85.2	11.3	0.96	14.2	.00	.35	.21	1.63
1967	-0.834	34.921	7.02	85.1	11.7	1.03	14.5	.00	.33	.18	1.81
2358	-0.845	34.926	7.01	84.9	12.1	1.02	14.5	.00	.21	.14	1.45
2750	-0.803	34.934	6.98	84.5	12.2	1.03	14.5	.00	.14	.10	1.50
3139	-0.759	34.937	6.95	84.2	12.3	0.89	14.2	.00	.12	.07	1.63
3440	-0.731	34.936	6.96	84.3	12.3	1.02	14.4	.00			
3774	-0.699	34.937	6.98	84.6	12.3	1.04	14.4	.00	.10	.08	1.38
4055	-0.667	34.937	7.08	85.8	12.2	1.01	14.3	.00	.11	.08	1.38
4241	-0.648	34.938	7.04	85.3	12.2	1.00	14.2	.00	.12	.08	1.48

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
5	-1.600	-1.600	32.185	25.888	30.670	35.345	39.913	10.3	0.1892	619.8	5
23	-1.688	-1.688	32.320	26.000	30.783	35.460	40.030	99.5	0.1525	415.0	23
43	-1.730	-1.731	32.421	26.083	30.867	35.544	40.114	91.5	0.1132	2124.0	43
78	-1.670	-1.671	33.338	26.826	31.601	36.267	40.828	20.7	0.0581	1574.7	79
122	-1.438	-1.441	34.201	27.521	32.280	36.932	41.478	54.8	0.0203	333.9	123
234	1.747	1.735	34.900	27.912	32.571	37.125	41.577	19.5	-0.0213	47.9	236
352	1.044	1.027	34.900	27.963	32.642	37.216	41.686	14.5	-0.0414	13.6	356
386	1.219	1.200	34.923	27.970	32.644	37.213	41.678	14.2	-0.0462	22.0	390
481	0.921	0.898	34.919	27.987	32.670	37.247	41.720	12.5	-0.0590	21.4	487
739	0.117	0.085	34.909	28.028	32.735	37.335	41.831	7.7	-0.0849	15.0	748
886	-0.111	-0.149	34.914	28.045	32.758	37.365	41.868	5.6	-0.0947	13.1	897
1084	-0.362	-0.409	34.921	28.063	32.784	37.399	41.909	3.1	-0.1032	8.2	1098
1280	-0.533	-0.589	34.923	28.073	32.800	37.420	41.935	1.4	-0.1076	5.0	1298
1477	-0.626	-0.692	34.924	28.079	32.808	37.432	41.950	0.2	-0.1091	4.5	1498
1723	-0.754	-0.833	34.922	28.083	32.817	37.445	41.967	-1.1	-0.1080	3.5	1749
1967	-0.834	-0.927	34.921	28.086	32.823	37.454	41.979	-2.3	-0.1038	2.0	1998
2358	-0.845	-0.965	34.926	28.092	32.830	37.461	41.987	-3.6	-0.0921	1.2	2397
2750	-0.803	-0.953	34.934	28.098	32.835	37.466	41.992	-4.6	-0.0759	0.3	2798
3139	-0.759	-0.942	34.937	28.100	32.837	37.468	41.993	-5.0	-0.0573	-0.4	3197
3440	-0.731	-0.941	34.936	28.099	32.836	37.467	41.992	-5.1	-0.0421	0.3	3505
3774	-0.699	-0.941	34.937	28.100	32.837	37.468	41.993	-5.3	-0.0248	-0.2	3849
4055	-0.667	-0.938	34.937	28.100	32.837	37.467	41.992	-5.3	-0.0099	0.4	4138
4241	-0.648	-0.938	34.938	28.101	32.838	37.468	41.993	-5.4	0.0000		4330

POLARSTERN ARKTIS II LEG 3

STATION 335

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 82 45.6 N 9 39.8 W 07/28/84 1036 GMT 1133 3195 M 28 04 -1.7 -1.8

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	P04 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
2	-1.540	32.065	8.47	99.0	12.7	1.02	4.7	.00	4.97	2.15	2.31
28	-1.599	32.159			13.0	0.99	4.8	.00	5.08	2.17	2.34
48	-1.719	32.296	8.30	96.7	12.7	0.97	4.9	.00	4.98	2.14	2.33
83	-1.596	33.759	7.22	85.2	11.9	0.80	8.5	.00	3.27	1.42	2.31
117	-1.458	34.235	7.24	86.1	6.3	0.68	8.7	.00	2.52	1.14	2.21
179	0.729	34.695	7.06	89.3	5.9	0.77	10.9	.00	2.45	1.14	2.15
244	2.113	34.931	7.13	93.6	5.8	0.81	12.1	.00	3.55	1.58	2.24
334	1.624	34.938	7.12	92.3	6.1	0.83	12.3	.00	2.92	1.33	2.19
422	1.183	34.928	7.05	90.3	6.3	0.84	12.5	.00	2.05	.97	2.12
512	0.888	34.923	7.05	89.6	6.5	0.86	12.5	.00	1.61	.76	2.12
639	0.359	34.906	7.06	88.5	6.5	0.86	12.4	.00	1.19	.59	2.03
788	0.006	34.908	7.08	87.9	6.8	0.86	12.4	.00	1.13	.55	2.06
984	-0.227	34.918	7.08	87.3	7.6	0.90	12.8	.00	.75	.41	1.83
1180	-0.406	34.923	7.05	86.5	8.9	0.93	13.5	.00	.54	.30	1.79
1379	-0.548	34.925	7.02	85.8	9.7	0.96	13.8	.00	.42	.24	1.77
1575	-0.642	34.928	7.02	85.6	10.6	0.98	14.1	.00	.35	.21	1.68
1771	-0.720	34.926	7.02	85.4	10.6	0.98	14.1	.00	.38	.21	1.78
1967	-0.816	34.923	7.02	85.1	11.4	0.99	14.5	.00	.31	.18	1.75
2163	-0.859	34.922	7.02	85.0	11.7	0.99	14.5	.00	.26	.17	1.59
2359	-0.827	34.930	7.01	84.9	11.8	0.99	14.5	.00	.23	.15	1.50
2603	-0.818	34.931	7.00	84.8	11.9	0.98	14.5	.00	.16	.11	1.39
2848	-0.787	34.936	6.99	84.7	12.0	0.99	14.4	.00	.13	.09	1.48
3048	-0.765	34.938	6.98	84.6	12.0	0.99	14.3	.00	.06	.08	.67
3179	-0.754	34.940			12.0	0.97	14.2	.00	.15	.10	1.51

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
2	-1.540	-1.540	32.065	25.789	30.571	35.244	39.812	19.7	0.2442	297.7	2
28	-1.599	-1.599	32.159	25.867	30.649	35.324	39.893	12.1	0.1879	570.7	28
48	-1.719	-1.720	32.296	25.981	30.766	35.443	40.014	01.1	0.1465	3384.5	49
83	-1.596	-1.598	33.759	27.167	31.934	36.595	41.150	88.5	0.0955	1122.7	84
117	-1.458	-1.461	34.235	27.549	32.308	36.961	41.507	52.1	0.0725	417.4	118
179	0.729	0.721	34.695	27.818	32.508	37.092	41.572	27.6	0.0494	126.0	181
244	2.113	2.099	34.931	27.908	32.557	37.101	41.542	20.1	0.0345	53.4	247
334	1.624	1.606	34.938	27.953	32.615	37.172	41.627	16.1	0.0185	32.6	338
422	1.183	1.162	34.928	27.977	32.651	37.221	41.688	13.7	0.0055	22.1	427
512	0.888	0.863	34.923	27.993	32.676	37.254	41.729	12.1	-0.0061	21.9	518
639	0.359	0.330	34.906	28.012	32.711	37.305	41.794	9.6	-0.0198	19.5	647
788	0.006	-0.028	34.908	28.033	32.743	37.347	41.846	7.0	-0.0321	13.6	798
984	-0.227	-0.269	34.918	28.054	32.771	37.382	41.888	4.4	-0.0432	9.7	997
1180	-0.406	-0.457	34.923	28.067	32.790	37.406	41.917	2.5	-0.0499	7.2	1196
1379	-0.548	-0.609	34.925	28.076	32.803	37.424	41.939	1.0	-0.0534	5.9	1398
1575	-0.642	-0.713	34.928	28.083	32.813	37.437	41.956	-0.4	-0.0539	3.4	1598
1771	-0.720	-0.802	34.926	28.085	32.818	37.445	41.966	-1.2	-0.0523	4.0	1798
1967	-0.816	-0.909	34.923	28.087	32.823	37.453	41.978	-2.2	-0.0489	2.6	1998
2163	-0.859	-0.965	34.922	28.089	32.827	37.458	41.984	-3.1	-0.0437	2.2	2198
2359	-0.827	-0.947	34.930	28.094	32.832	37.463	41.988	-3.7	-0.0370	0.8	2398
2603	-0.818	-0.956	34.931	28.096	32.833	37.464	41.990	-4.2	-0.0273	1.1	2647
2848	-0.787	-0.945	34.936	28.099	32.836	37.467	41.993	-4.7	-0.0163	0.5	2898
3048	-0.765	-0.940	34.938	28.101	32.838	37.468	41.994	-4.9	-0.0067	1.1	3103
3179	-0.754	-0.940	34.940	28.102	32.839	37.470	41.995	-5.2	0.0000		3238

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 81 29.3 N 2 01.8 W 07/29/84 1039 GMT 1147 3095 M 19 04 -2.1 -2.3

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SID3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
1	-1.365	32.265	8.81	103.6	5.0	0.43	2.9	.03	5.21	2.15	2.42
32	-1.748	32.902	8.51	99.5	6.3	0.57	4.5	.03	4.65	1.91	2.43
68	-1.687	33.994	7.59	89.5	5.4	0.69	8.3	.03			
142	0.745	34.596	7.21	91.1	5.4	0.78	10.8	.05	3.17	1.40	2.27
221	2.054	34.948	7.21	94.5	5.8	0.87	12.5	.03	3.67	1.61	2.28
247	1.619	34.927	7.13	92.4	6.0	0.87	12.4	.02	3.27	1.43	2.28
284	1.832	34.960	7.19	93.7	5.9	0.87	12.5	.02	3.54	1.54	2.30
329	2.132	35.002	7.28	95.6	5.9	0.88	12.6	.02	4.05	1.73	2.34
382	1.754	34.982	7.16	93.1	6.0	0.88	12.7	.01	3.33	1.46	2.27
492	1.232	34.956	7.15	91.7	6.3	0.89	12.8	.01			
640	0.463	34.925	7.14	89.7	6.6	0.90	12.9	.01	1.72	.81	2.12
794	-0.045	34.910	7.07	87.6	6.9	0.90	12.7	.01	.98	.47	2.07
985	-0.279	34.917	7.07	87.1	7.7	0.93	13.1	.01	.85	.42	2.04
1182	-0.442	34.923	7.06	86.6	8.8	0.96	13.6	.01	.60	.29	2.10
1380	-0.580	34.924	6.99	85.4	9.8	0.99	14.1	.01	.61	.28	2.19
1574	-0.681	34.924	7.00	85.2	10.4	1.01	14.3	.01	.47	.24	1.97
1771	-0.735	34.926	7.02	85.3	10.5	1.01	14.4	.01	.35	.19	1.86
1965	-0.795	34.926	7.02	85.2	10.9	1.01	14.6	.01	.31	.15	1.99
2162	-0.839	34.925	7.02	85.0	11.2	1.02	14.6	.01	.25	.16	1.56
2358	-0.825	34.930	7.01	84.9	11.3	1.01	14.6	.01	.22	.13	1.76
2556	-0.813	34.931	6.99	84.7	11.4	1.01	14.6	.01	.18	.10	1.74
2750	-0.805	34.933	6.98	84.5	11.5	1.01	14.6	.00	.19	.10	1.97
2966	-0.782	34.934	6.96	84.3	11.5	1.00	14.6	.01	.14	.09	1.63
3088	-0.763	34.938	6.96	84.3	11.5	0.99	14.5	.00	.13	.08	1.53

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
1	-1.365	-1.365	32.265	25.947	30.721	35.388	39.948	04.7	0.1925	1699.1	1
32	-1.748	-1.749	32.902	26.474	31.254	35.927	40.494	54.4	0.1365	2459.4	32
68	-1.687	-1.688	33.994	27.360	32.129	36.790	41.346	70.2	0.0963	498.8	69
142	0.745	0.739	34.596	27.737	32.427	37.012	41.492	35.1	0.0573	230.4	143
221	2.054	2.042	34.948	27.927	32.576	37.122	41.565	18.3	0.0374	77.5	223
247	1.619	1.606	34.927	27.944	32.606	37.164	41.618	16.5	0.0329	23.1	250
284	1.832	1.817	34.960	27.954	32.610	37.162	41.610	15.8	0.0270	16.5	287
329	2.132	2.113	35.002	27.964	32.612	37.155	41.595	15.4	0.0199	33.6	333
382	1.754	1.733	34.982	27.978	32.636	37.190	41.641	14.0	0.0121	21.8	386
492	1.232	1.207	34.956	27.996	32.669	37.238	41.703	12.2	-0.0022	25.3	498
640	0.463	0.434	34.925	28.021	32.717	37.308	41.794	8.9	-0.0179	17.8	648
794	-0.045	-0.079	34.910	28.038	32.749	37.354	41.855	6.4	-0.0296	12.6	804
985	-0.279	-0.321	34.917	28.056	32.774	37.386	41.894	4.1	-0.0396	9.5	998
1182	-0.442	-0.493	34.923	28.069	32.792	37.410	41.922	2.2	-0.0457	6.6	1198
1380	-0.580	-0.641	34.924	28.076	32.804	37.426	41.943	0.8	-0.0487	5.2	1399
1574	-0.681	-0.752	34.924	28.082	32.813	37.438	41.958	-0.4	-0.0491	3.8	1597
1771	-0.735	-0.817	34.926	28.086	32.819	37.446	41.968	-1.4	-0.0473	3.5	1798
1965	-0.795	-0.888	34.926	28.089	32.824	37.454	41.977	-2.3	-0.0437	2.5	1995
2162	-0.839	-0.945	34.925	28.090	32.828	37.458	41.984	-3.1	-0.0384	2.1	2197
2358	-0.825	-0.945	34.930	28.094	32.832	37.462	41.988	-3.7	-0.0318	0.4	2397
2556	-0.813	-0.948	34.931	28.095	32.833	37.464	41.989	-4.1	-0.0241	1.3	2599
2750	-0.805	-0.955	34.933	28.097	32.835	37.466	41.992	-4.5	-0.0159	0.2	2798
2966	-0.782	-0.950	34.934	28.098	32.835	37.466	41.992	-4.7	-0.0059	1.7	3019
3088	-0.763	-0.941	34.938	28.101	32.838	37.469	41.994	-5.0	0.0000		3144

POLARSTERN ARKTIS II LEG 3

STATION 355

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 81 26.0 N 2 48.0 W 07/29/84 1506 GMT 1615 3637 M 03 10 -0.8 -1.1

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREDN-12 PM/KG	F11/F12
2	-1.256	32.310	8.52	100.5	8.1	0.72	3.9	.03	5.46	2.23	2.45
34	-1.735	32.431	8.66	100.9	6.3	0.58	3.6	.02			
97	-1.501	34.056	7.27	86.2	7.6	0.78	8.7	.01	2.72	1.20	2.25
170	0.943	34.711	7.08	90.0	5.9	0.84	11.3	.06			
183	0.892	34.768	7.02	89.2	6.1	0.86	11.7	.02	2.30	1.07	2.16
221	1.967	34.931	7.18	93.9	5.9	0.89	12.5	.02	3.65	1.58	2.30
254	1.614	34.922	7.14	92.5	6.1	0.89	12.6	.01			
323	1.922	34.979	7.22	94.3	6.0	0.90	12.8	.01			
394	1.849	34.993	7.24	94.4	6.0	0.91	12.9	.01	3.54	1.53	2.32
493	1.323	34.961	7.17	92.2	6.2	0.92	13.0	.01			
641	0.543	34.923	7.11	89.5	6.5	0.90	13.0	.01	1.73	.80	2.17
756	0.244	34.921			6.9	0.92	13.3	.01	1.83	.82	2.25
985	-0.249	34.916	7.07	87.2	7.7	0.94	13.4	.01			
1232	-0.460	34.922	7.04	86.3	8.7	0.97	13.6	.00	.61	.31	1.98
1476	-0.539	34.930	6.96	85.1	10.2	0.98	14.0	.00			
1723	-0.645	34.927	7.00	85.3	10.4	0.98	14.3	.00			
1968	-0.744	34.925	7.02	85.3	10.6	0.99	14.6	.00			
2223	-0.794	34.926	7.02	85.1	11.0	0.99	14.6	.00	.26	.14	1.93
2458	-0.834	34.924	7.02	85.0	11.5	1.00	14.8	.00	.24	.13	1.93
2701	-0.800	34.930	6.99	84.7	11.4	0.99	14.9	.00	.18	.12	1.60
2948	-0.779	34.933	6.99	84.7	11.5	1.00	14.9	.00	.13	.08	1.71
3190	-0.756	34.934	6.99	84.7	11.5	1.00	14.9	.00			
3521	-0.724	34.935	6.98	84.6	11.5	0.99	14.9	.00	.10	.07	1.43
3611	-0.716	34.935	6.98	84.6	11.5	0.99	14.7	.01	.14	.08	1.70

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
2	-1.256	-1.256	32.310	25.981	30.751	35.414	39.971	01.5	0.2089	344.8	2
34	-1.735	-1.736	32.431	26.091	30.875	35.552	40.122	90.7	0.1462	2083.7	34
97	-1.501	-1.503	34.056	27.405	32.167	36.823	41.372	65.8	0.0642	550.5	98
170	0.943	0.935	34.711	27.817	32.500	37.078	41.553	27.7	0.0338	379.4	172
183	0.892	0.884	34.768	27.866	32.551	37.130	41.605	23.1	0.0305	124.3	185
221	1.967	1.955	34.931	27.920	32.572	37.121	41.566	18.8	0.0228	68.1	223
254	1.614	1.601	34.922	27.940	32.602	37.160	41.615	16.9	0.0169	28.5	257
323	1.922	1.904	34.979	27.962	32.616	37.165	41.611	15.3	0.0059	25.4	327
394	1.849	1.827	34.993	27.980	32.635	37.186	41.634	14.0	-0.0045	20.7	399
493	1.323	1.298	34.961	27.994	32.664	37.230	41.693	12.5	-0.0177	22.8	499
641	0.543	0.513	34.923	28.015	32.708	37.297	41.781	9.7	-0.0341	19.3	649
756	0.244	0.210	34.921	28.031	32.733	37.330	41.823	7.7	-0.0441	15.4	765
985	-0.249	-0.291	34.916	28.053	32.771	37.382	41.889	4.4	-0.0578	9.2	998
1232	-0.460	-0.514	34.922	28.069	32.793	37.411	41.924	2.1	-0.0657	5.9	1249
1476	-0.539	-0.606	34.930	28.080	32.807	37.427	41.943	0.5	-0.0688	3.4	1497
1723	-0.645	-0.725	34.927	28.083	32.813	37.438	41.957	-0.5	-0.0688	3.9	1749
1968	-0.744	-0.838	34.925	28.086	32.820	37.448	41.970	-1.7	-0.0660	3.0	1999
2223	-0.794	-0.905	34.926	28.090	32.825	37.455	41.980	-2.8	-0.0602	1.8	2259
2458	-0.834	-0.961	34.924	28.090	32.828	37.459	41.985	-3.6	-0.0527	1.3	2499
2701	-0.800	-0.946	34.930	28.094	32.832	37.463	41.988	-4.2	-0.0433	0.9	2748
2948	-0.779	-0.945	34.933	28.097	32.834	37.465	41.990	-4.6	-0.0325	0.2	3001
3190	-0.756	-0.943	34.934	28.098	32.835	37.466	41.991	-4.9	-0.0210	0.2	3249
3521	-0.724	-0.942	34.935	28.098	32.836	37.466	41.991	-5.1	-0.0046	0.0	3589
3611	-0.716	-0.942	34.935	28.098	32.835	37.466	41.991	-5.1	0.0000		3681

POLARSTERN ARKTIS II LEG 3

STATION 358

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 81 06.5 N 4 14.9 W 07/30/84 0248 GMT 0353 3316 M 03 24 1.0 -0.1

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
2	-0.052	31.967	9.75	118.6	1.4	0.61	0.1	.01	5.83	2.45	2.38
31	-1.699	32.358	8.34	97.2	14.0	1.11	6.0	.04	4.97	2.07	2.40
69	-1.748	32.438	8.29	96.6	13.5	1.04	6.1	.01	5.00	2.07	2.42
114	-1.236	34.081	6.93	82.8	12.0	0.88	10.3	.01	2.06	.92	2.23
196	-0.102	34.607	6.96	86.0	6.7	0.77	10.8	.01	1.68	.76	2.20
265	0.539	34.812	6.88	86.6	6.9	0.83	12.3	.02	1.43	.67	2.13
309	0.711	34.864	6.92	87.5	6.7	0.84	12.4	.02			
349	0.544	34.858	6.79	85.5	7.9	0.88	12.9	.02	.69	.32	2.13
402	0.570	34.877	6.84	86.2	7.9	0.88	13.0	.02	.60	.29	2.07
492	0.428	34.884	6.85	86.0	8.1	0.90	13.1	.02	.45	.24	1.87
591	0.270	34.890	6.90	86.3	8.0	0.90	13.0	.02	.55	.26	2.10
743	0.065	34.898	7.06	87.8	6.9	0.86	12.5	.02	1.24	.60	2.08
889	-0.153	34.905	7.01	86.6	7.9	0.89	12.9	.02	.95	.40	2.35
1085	-0.303	34.914	7.04	86.7	8.5	0.91	13.2	.02	.90	.40	2.26
1290	-0.413	34.920	7.02	86.1	9.2	0.93	13.4	.02	.89	.39	2.25
1478	-0.465	34.926	6.97	85.4	9.9	0.95	13.8	.02	.74	.32	2.34
1673	-0.569	34.929	7.01	85.6	10.4	0.97	14.0	.02	.44	.22	1.98
1871	-0.656	34.927	7.02	85.5	10.7	0.99	14.3	.00	.50	.21	2.36
2115	-0.742	34.927	7.02	85.3	10.9	0.99	14.3	.00	.34	.18	1.86
2359	-0.795	34.927	7.02	85.1	11.4	0.99	14.7	.00	.28	.15	1.91
2604	-0.800	34.931	7.00	84.8	11.7	1.01	14.8	.00	.22	.11	1.91
2848	-0.786	34.934	6.99	84.7	11.8	1.00	14.8	.00	.13	.08	1.57
3086	-0.763	34.935	6.97	84.4	11.9	1.01	14.7	.00	.11	.07	1.67
3291	-0.743	34.938	6.97	84.5	11.7	0.98	14.6	.00	.15	.09	1.71

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
2	-0.052	-0.052	31.967	25.660	30.396	35.026	39.551	31.9	0.2829	1278.8	2
31	-1.699	-1.700	32.358	26.031	30.814	35.491	40.061	96.5	0.2216	174.1	31
69	-1.748	-1.749	32.438	26.097	30.881	35.559	40.129	89.9	0.1482	2927.8	70
114	-1.236	-1.239	34.081	27.417	32.171	36.818	41.359	64.7	0.0902	453.3	115
196	-0.102	-0.109	34.607	27.795	32.509	37.118	41.622	29.4	0.0516	181.3	198
265	0.539	0.528	34.812	27.924	32.619	37.207	41.692	17.6	0.0361	68.0	268
309	0.711	0.697	34.864	27.956	32.644	37.228	41.708	14.8	0.0290	18.0	312
349	0.544	0.529	34.858	27.961	32.655	37.243	41.728	14.2	0.0232	25.1	353
402	0.570	0.552	34.877	27.975	32.668	37.256	41.739	13.0	0.0160	18.2	407
492	0.428	0.406	34.884	27.990	32.687	37.278	41.766	11.7	0.0049	17.0	498
591	0.270	0.244	34.890	28.004	32.706	37.302	41.794	10.2	-0.0059	14.7	598
743	0.065	0.033	34.898	28.022	32.730	37.332	41.830	8.2	-0.0198	15.6	752
889	-0.153	-0.191	34.905	28.040	32.754	37.363	41.867	6.0	-0.0302	10.0	900
1085	-0.303	-0.350	34.914	28.055	32.774	37.387	41.896	4.1	-0.0400	7.3	1099
1290	-0.413	-0.470	34.920	28.065	32.788	37.405	41.917	2.5	-0.0467	5.5	1308
1478	-0.465	-0.533	34.926	28.073	32.798	37.417	41.930	1.5	-0.0504	6.6	1499
1673	-0.569	-0.647	34.929	28.081	32.809	37.431	41.948	0.0	-0.0519	3.9	1698
1871	-0.656	-0.745	34.927	28.083	32.815	37.440	41.959	-0.9	-0.0510	4.2	1900
2115	-0.742	-0.846	34.927	28.088	32.822	37.450	41.973	-2.2	-0.0473	3.1	2148
2359	-0.795	-0.916	34.927	28.091	32.827	37.457	41.982	-3.2	-0.0407	2.4	2398
2604	-0.800	-0.939	34.931	28.095	32.832	37.463	41.988	-4.0	-0.0319	1.3	2648
2848	-0.786	-0.944	34.934	28.098	32.835	37.466	41.991	-4.6	-0.0214	0.2	2898
3086	-0.763	-0.941	34.935	28.098	32.836	37.466	41.991	-4.8	-0.0102	1.0	3142
3291	-0.743	-0.939	34.938	28.101	32.838	37.468	41.994	-5.2	0.0000		3352

POLARSTERN ARKTIS II LEG 3

STATION 361

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 80 42.0 N 5 11.6 W 07/30/84 1315 GMT 1430 2927 M 05 13 0.5 -0.7

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SIO3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
1	-1.458	31.846	9.10	106.4	8.2	0.81	1.7	.03	5.09	2.12	2.40
28	-1.664	32.227	8.49	99.0	12.4	1.04	5.2	.04	4.91	2.05	2.39
67	-1.747	32.439	8.30	96.7	13.6	1.07	6.2	.01	4.83	2.02	2.39
116	-1.392	34.085	7.06	84.0	9.8	0.81	9.5	.01	2.51	1.10	2.28
198	-0.168	34.595	6.94	85.6	8.1	0.84	11.5	.00	1.13	.54	2.09
254	0.419	34.780	6.79	85.2	7.8	0.87	12.5	.00	1.19	.53	2.24
296	0.499	34.825	6.74	84.8	8.1	0.89	12.8	.00	.90	.42	2.14
350	0.507	34.852	6.75	84.9	8.2	0.90	13.1	.00	.57	.28	2.06
412	0.571	34.876	6.81	85.8	7.7	0.90	13.1	.00	.54	.28	1.91
489	0.511	34.887	6.86	86.3	7.4	0.89	13.0	.00	.62	.32	1.94
590	0.307	34.891	6.90	86.4	7.7	0.90	13.1	.00	.58	.28	2.07
712	0.142	34.894	6.96	86.7	7.4	0.90	12.9	.00	.76	.37	2.08
836	-0.036	34.901	6.99	86.7	7.5	0.90	12.9	.00	.81	.39	2.11
1033	-0.207	34.910	6.98	86.1	8.1	0.92	13.1	.00	.73	.34	2.14
1231	-0.336	34.918	6.99	85.9	8.7	0.94	13.4	.00	.80	.34	2.35
1427	-0.414	34.923	7.01	86.0	9.4	0.95	13.6	.00	.75	.31	2.38
1621	-0.498	34.929	6.98	85.4	10.0	0.97	13.9	.00	.61	.30	2.05
1822	-0.580	34.930	6.98	85.2	10.3	0.98	14.0	.00	.56	.24	2.29
2012	-0.665	34.928	6.99	85.1	10.3	0.99	14.2	.00	.48	.26	1.85
2212	-0.729	34.928	7.02	85.3	10.8	0.99	14.4	.00	.35	.20	1.76
2411	-0.765	34.928	7.02	85.2	11.0	1.00	14.4	.00	.30	.15	2.07
2603	-0.779	34.931	7.01	85.0	11.3	1.00	14.5	.00	.22	.12	1.85
2800	-0.782	34.932	7.01	85.0	11.5	1.00	14.6	.00	.21	.10	2.10
2910	-0.775	34.936	7.00	84.8	11.6	1.00	14.6	.00	.16	.08	2.00

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
1	-1.458	-1.458	31.846	25.609	30.390	35.063	39.630	36.8	0.3179	1163.7	1
28	-1.664	-1.664	32.227	25.924	30.707	35.384	39.954	06.7	0.2585	446.0	28
67	-1.747	-1.748	32.439	26.097	30.882	35.559	40.130	89.8	0.1806	2704.7	68
116	-1.392	-1.395	34.085	27.425	32.184	36.836	41.381	63.8	0.1178	434.8	117
198	-0.168	-0.175	34.595	27.788	32.505	37.116	41.622	29.9	0.0794	201.9	200
254	0.419	0.408	34.780	27.906	32.604	37.196	41.684	19.2	0.0659	74.1	257
296	0.499	0.486	34.825	27.937	32.633	37.222	41.708	16.4	0.0585	39.6	299
350	0.507	0.492	34.852	27.959	32.654	37.243	41.729	14.5	0.0503	24.0	354
412	0.571	0.553	34.876	27.974	32.667	37.255	41.738	13.1	0.0417	17.4	417
489	0.511	0.489	34.887	27.987	32.682	37.271	41.756	11.9	0.0321	18.4	495
590	0.307	0.281	34.891	28.002	32.703	37.299	41.790	10.3	0.0208	12.6	597
712	0.142	0.111	34.894	28.015	32.720	37.321	41.816	9.0	0.0090	15.8	721
836	-0.036	-0.072	34.901	28.030	32.741	37.346	41.847	7.2	-0.0010	10.9	847
1033	-0.207	-0.252	34.910	28.047	32.763	37.374	41.879	5.1	-0.0130	9.1	1047
1231	-0.336	-0.391	34.918	28.060	32.780	37.395	41.905	3.3	-0.0213	5.9	1248
1427	-0.414	-0.479	34.923	28.068	32.791	37.408	41.920	2.2	-0.0267	6.8	1447
1621	-0.498	-0.574	34.929	28.077	32.803	37.423	41.938	0.8	-0.0295	4.9	1645
1822	-0.580	-0.667	34.930	28.083	32.811	37.434	41.951	-0.4	-0.0299	4.2	1849
2012	-0.665	-0.764	34.928	28.085	32.817	37.442	41.962	-1.3	-0.0283	4.0	2043
2212	-0.729	-0.840	34.928	28.088	32.823	37.450	41.972	-2.3	-0.0247	2.8	2247
2411	-0.765	-0.890	34.928	28.091	32.826	37.455	41.979	-3.1	-0.0194	2.9	2451
2603	-0.779	-0.918	34.931	28.094	32.831	37.461	41.985	-3.8	-0.0128	1.5	2647
2800	-0.782	-0.936	34.932	28.096	32.833	37.463	41.988	-4.2	-0.0049	3.1	2849
2910	-0.775	-0.938	34.936	28.099	32.836	37.467	41.992	-4.7	0.0000		2962

POLARSTERN ARKTIS II LEG 3

STATION 362

LATITUDE	LONGITUDE	MO/DY/YR	ON TIME	OFF	BOTTOM	WIND	SPEED	AIR TEMP	WET BULB
77 32.0 N	S 41.3 W	08/ 1/84	0928 GMT	0942	488 M	05	08	0.3	-0.7

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SIO3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
2	-1.380	31.695	9.31	109.0	3.6	0.52	1.0	.01	5.17	2.20	2.35
39	-1.712	32.533	8.48	98.9	7.9	0.60	4.2	.03	4.80	2.06	2.33
40	-1.702	32.534									
82	-1.127	34.180	7.19	86.2	8.2	0.78	10.1	.02	2.81	1.28	2.20
108	-0.345	34.413	6.85	84.0	10.9	0.87	11.9	.01	2.06	.93	2.21
182	1.549	34.883	7.03	90.9	7.0	0.84	12.7	.03	2.92	1.32	2.20
216	0.970	34.872	6.91	88.0	7.7	0.85	13.1	.01	1.93	.87	2.21
255	0.849	34.879	6.87	87.2	7.9	0.87	13.3	.00	1.45	.66	2.20
334	0.656	34.891	6.84	86.4	8.0	0.88	13.3	.00	.93	.46	2.01
394	0.459	34.890	6.82	85.7	8.4	0.88	13.4	.01	.66	.32	2.04
476	0.469	34.893	6.82	85.7	8.4	0.87	13.2	.01	.77	.37	2.10

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
2	-1.380	-1.380	31.695	25.485	30.265	34.937	39.503	48.6	0.2025	1859.8	2
39	-1.712	-1.713	32.533	26.173	30.956	35.631	40.200	82.9	0.1268	61.0	39
40	-1.702	-1.703	32.534	26.174	30.956	35.631	40.199	82.8	0.1250	3137.2	40
82	-1.127	-1.129	34.180	27.493	32.243	36.886	41.423	57.7	0.0729	591.1	83
108	-0.345	-0.349	34.413	27.650	32.373	36.991	41.503	43.0	0.0602	345.1	109
182	1.549	1.540	34.883	27.913	32.578	37.138	41.594	19.0	0.0387	103.4	184
216	0.970	0.960	34.872	27.945	32.626	37.202	41.675	15.8	0.0328	37.2	218
255	0.849	0.837	34.879	27.959	32.644	37.223	41.698	14.5	0.0270	29.8	258
334	0.656	0.641	34.891	27.981	32.671	37.256	41.737	12.5	0.0164	22.4	338
394	0.459	0.442	34.890	27.992	32.688	37.279	41.765	11.3	0.0092	2.2	398
476	0.469	0.448	34.893	27.994	32.690	37.281	41.767	11.2	0.0000		482

POLARSTERN ARKTIS II LEG 3

STATION 363

LATITUDE 77 39.8 N LONGITUDE 4 56.1 W MO/DY/YR 08/ 1/84 ON TIME 1515 GMT OFF 1540 BOTTOM 1100 M WIND 05 SPEED 08 AIR TEMP 0.3 WET BULB -0.1

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
2	-1.679	32.374	8.67	101.2	6.3	0.54	3.5	.04	5.04	2.17	2.33
34	-1.720	32.641	8.27	96.6	10.0	0.80	5.6	.03			
48	-1.286	33.156	7.72	91.5	12.4	0.99	8.3	.03	3.57	1.57	2.28
72	-1.628	33.996	7.30	86.2	8.5	0.79	9.3	.02	3.08	1.37	2.25
97	-0.832	34.340	7.18	86.9	6.4	0.75	9.7	.03	2.60	1.18	2.20
146	0.533	34.718	6.85	86.2	7.5	0.86	12.0	.01	1.63	.77	2.12
177	1.707	34.892	7.04	91.4	6.3	0.85	12.5	.18	3.01	1.36	2.22
244	1.710	34.947	7.10	92.2	6.4	0.87	12.8	.02	3.03	1.36	2.22
316	1.802	34.992	7.22	94.0	6.1	0.87	12.9	.02	3.48	1.56	2.23
394	1.155	34.943	7.14	91.4	6.6	0.90	13.0	.01	2.18	1.02	2.15
492	0.345	34.890	6.87	86.1	7.8	0.92	13.3	.00	.59	.29	2.04
593	0.144	34.896	6.94	86.5	7.6	0.91	13.2	.00	.67	.32	2.07
690	-0.002	34.900	6.97	86.5	7.6	0.91	12.9	.00	.75	.35	2.12
788	-0.127	34.905	7.00	86.6	7.6	0.91	12.9	.00	.89	.43	2.06
889	-0.219	34.910	7.02	86.6	7.9	0.93	13.0	.00	.84	.39	2.18
966	-0.269	34.915	7.01	86.4	8.1	0.93	13.2	.00	.81	.38	2.14
1056	-0.286	34.915	7.01	86.3	8.2	0.96	13.2	.00			
1097	-0.292	34.916	7.00	86.2	8.3	0.94	13.1	.00	.83	.40	2.05

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
2	-1.679	-1.679	32.374	26.043	30.826	35.502	40.071	95.6	0.2255	680.5	2
34	-1.720	-1.721	32.641	26.261	31.043	35.718	40.286	74.5	0.1665	2900.9	34
48	-1.286	-1.287	33.156	26.668	31.432	36.088	40.639	35.9	0.1447	2883.9	48
72	-1.628	-1.629	33.996	27.360	32.127	36.786	41.340	70.2	0.1201	998.5	73
97	-0.832	-0.835	34.340	27.612	32.351	36.983	41.511	46.4	0.1057	472.3	98
146	0.533	0.527	34.718	27.849	32.544	37.133	41.619	24.6	0.0891	176.4	148
177	1.707	1.698	34.892	27.909	32.569	37.124	41.576	19.6	0.0824	66.0	179
244	1.710	1.697	34.947	27.953	32.612	37.167	41.619	15.6	0.0709	39.7	247
316	1.802	1.785	34.992	27.982	32.639	37.191	41.640	13.3	0.0605	19.1	320
394	1.155	1.136	34.943	27.990	32.666	37.237	41.703	12.2	0.0506	19.6	398
492	0.345	0.324	34.890	27.999	32.699	37.293	41.782	10.6	0.0394	19.3	498
593	0.144	0.119	34.896	28.016	32.721	37.321	41.816	8.8	0.0296	14.6	600
690	-0.002	-0.031	34.900	28.027	32.737	37.341	41.841	7.5	0.0217	13.6	698
788	-0.127	-0.160	34.905	28.038	32.752	37.360	41.863	6.2	0.0149	11.1	798
889	-0.219	-0.257	34.910	28.047	32.763	37.374	41.880	5.2	0.0091	10.8	900
966	-0.269	-0.310	34.915	28.054	32.772	37.384	41.891	4.3	0.0055	1.6	979
1056	-0.286	-0.332	34.915	28.055	32.773	37.386	41.894	4.1	0.0017	3.6	1070
1097	-0.292	-0.340	34.916	28.056	32.775	37.388	41.896	4.0	0.0000		1112

POLARSTERN ARKTIS II LEG 3

STATION 364 CAST ONE

LATITUDE 77 35.3 N LONGITUDE 4 32.9 W MO/DY/YR 08/ 1/84 ON TIME 1816 GMT OFF 1858 BOTTOM 1851 M WIND 07 SPEED 10 AIR TEMP 0.0 WET BULB -0.3

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	P04 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
4	-0.914	32.094	8.58	102.0	6.1	0.50	2.9	.03	5.07	2.23	2.28
32	-1.695	33.635	7.61	89.5	9.6	0.77	8.1	.06	3.84	1.69	2.28
50	-1.531	34.083	7.44	88.2	6.0	0.73	9.1	.07	3.77	1.67	2.25
86	-0.149	34.557	6.96	85.9	7.5	0.80	10.7	.02	1.78	.84	2.12
133	0.844	34.790	6.93	87.9	7.0	0.82	12.0	.06	2.15	.99	2.18
155	2.340	34.965	7.18	94.8	5.8	0.84	12.6	.04	3.84	1.72	2.23
292	1.289	34.931	7.04	90.4	6.6	0.86	12.8	.01	2.27	1.06	2.15
341	1.736	34.978	7.22	93.9	6.4	0.86	13.0	.01	3.15	1.43	2.20
396	1.515	34.983	7.29	94.2	6.3	0.89	13.2	.02	3.49	1.58	2.21
496	0.618	34.933	7.23	91.3	6.8	0.91	13.2	.02	2.51	1.16	2.17
593	0.112	34.910	7.18	89.4	7.4	0.90	13.2	.02	1.83	.83	2.21
690	-0.345	34.896	7.53	92.6	7.0	0.92	13.3	.01	3.27	1.46	2.24
794	-0.490	34.897	7.36	90.2	7.7	0.94	13.6	.01	2.49	1.13	2.21
884	-0.448	34.912	7.12	87.3	8.6	0.93	13.6	.00	1.32	.61	2.17
991	-0.449	34.924	7.00	85.8	9.3	0.95	13.6	.00	.71	.34	2.10
1088	-0.492	34.927	6.99	85.6	9.7	0.95	13.8	.00	.66	.31	2.14
1184	-0.553	34.928	6.99	85.5	10.1	0.98	14.2	.00	.58	.28	2.08
1280	-0.588	34.929	6.98	85.2	10.4	0.98	14.2	.00	.53	.25	2.14
1379	-0.668	34.927	6.99	85.2	10.7	0.97	14.3	.00	.54	.26	2.06
1473	-0.737	34.923	7.01	85.2	10.8	0.97	14.5	.01	.56	.26	2.17
1571	-0.761	34.924	7.01	85.2	10.9	1.00	14.5	.00	.45	.22	2.06
1671	-0.783	34.924	7.01	85.1	11.1	1.00	14.5	.00	.40	.20	2.01
1772	-0.830	34.925	7.03	85.2	11.3	1.01	14.5	.00	.34	.19	1.83
1846	-0.874	34.924	7.04	85.2	11.6	1.00	14.5	.00	.36	.20	1.79

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
4	-0.914	-0.914	32.094	25.796	30.557	35.211	39.760	19.0	0.1601	4546.2	4
32	-1.695	-1.696	33.635	27.068	31.841	36.505	41.064	98.0	0.1191	1993.8	32
50	-1.531	-1.532	34.083	27.428	32.191	36.847	41.397	63.9	0.1045	904.0	50
86	-0.149	-0.152	34.557	27.756	32.473	37.083	41.589	33.0	0.0877	271.2	87
133	0.844	0.838	34.790	27.887	32.573	37.153	41.629	21.0	0.0758	104.9	134
155	2.340	2.331	34.965	27.916	32.558	37.096	41.531	18.9	0.0714	44.6	157
292	1.289	1.275	34.931	27.971	32.643	37.209	41.673	13.9	0.0489	2.2	295
341	1.736	1.718	34.978	27.976	32.635	37.189	41.640	14.0	0.0421	41.9	345
396	1.515	1.494	34.983	27.997	32.662	37.222	41.679	12.1	0.0350	32.2	401
496	0.618	0.595	34.933	28.018	32.709	37.295	41.777	9.3	0.0244	19.6	502
593	0.112	0.087	34.910	28.029	32.735	37.336	41.832	7.6	0.0162	21.8	600
690	-0.345	-0.372	34.896	28.041	32.761	37.375	41.885	5.5	0.0099	10.4	699
794	-0.490	-0.521	34.897	28.049	32.774	37.392	41.906	4.3	0.0048	10.6	804
884	-0.448	-0.484	34.912	28.060	32.783	37.400	41.913	3.4	0.0013	9.5	895
991	-0.449	-0.490	34.924	28.070	32.793	37.410	41.923	2.3	-0.0017	6.4	1004
1088	-0.492	-0.538	34.927	28.074	32.799	37.418	41.932	1.7	-0.0036	6.4	1102
1184	-0.553	-0.603	34.928	28.078	32.805	37.426	41.941	1.0	-0.0049	4.2	1200
1280	-0.588	-0.643	34.929	28.081	32.809	37.431	41.947	0.5	-0.0057	5.4	1298
1379	-0.668	-0.728	34.927	28.083	32.813	37.438	41.957	-0.1	-0.0059	3.4	1398
1473	-0.737	-0.801	34.923	28.083	32.816	37.442	41.963	-0.6	-0.0056	3.2	1494
1571	-0.761	-0.830	34.924	28.085	32.818	37.446	41.968	-1.0	-0.0048	2.7	1594
1671	-0.783	-0.858	34.924	28.086	32.821	37.449	41.972	-1.4	-0.0035	5.4	1696
1772	-0.830	-0.911	34.925	28.089	32.825	37.455	41.979	-2.1	-0.0018	5.1	1799
1846	-0.874	-0.959	34.924	28.090	32.828	37.459	41.985	-2.6	0.0000		1874

POLARSTERN ARKTIS II LEG 3

STATION 365

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 77 32.0 N 4 16.5 W 08/ 2/84 0428 GMT 0522 2419 M 32 22 1.2 0.8

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
1	2.128	32.989	8.30	107.6	0.5	0.16	0.1	.01	5.01	2.17	2.31
27	3.843	34.936	7.20	98.7	4.2	0.64	6.5	.14	4.24	1.90	2.23
51	3.135	34.995	7.17	96.6	5.4	0.81	10.8	.33	4.19	1.85	2.26
100	2.557	35.013	7.22	95.9	5.8	0.83	12.8	.02	4.05	1.80	2.25
159	2.237	35.014	7.27	95.8	5.9	0.83	12.9	.02	3.97	1.76	2.26
218	2.030	35.012	7.28	95.4	6.1	0.86	13.0	.02	3.84	1.71	2.24
283	1.667	34.996	7.30	94.7	6.2	0.86	13.0	.04	3.72	1.66	2.25
340	0.890	34.946	7.20	91.6	4.6	0.89	13.1	.02	2.70	1.22	2.21
404	0.342	34.918	7.12	89.2	6.9	0.89	13.0	.01	1.75	.80	2.19
540	-0.044	34.914	7.18	89.0	7.2	0.92	13.3	.01	1.86	.84	2.23
658	-0.515	34.894	7.47	91.5	7.3	0.94	13.5	.01	2.95	1.32	2.24
783	-0.509	34.910	7.15	87.6	8.3	0.95	13.7	.01	1.56	.69	2.26
874	-0.545	34.916	7.05	86.2	9.1	0.96	14.0	.01	1.02	.46	2.19
992	-0.655	34.918	7.04	85.9	9.7	0.99	14.3	.01	.90	.41	2.21
1099	-0.766	34.913	7.04	85.6	10.0	1.01	14.6	.01	.83	.38	2.20
1232	-0.809	34.914	7.02	85.2	10.4	1.01	14.7	.00	.70	.31	2.25
1380	-0.916	34.910	7.06	85.5	10.7	1.01	14.7	.00	.70	.32	2.21
1464	-0.923	34.913	7.04	85.2	11.0	1.03	14.8	.00	.56	.26	2.20
1672	-0.961	34.912	7.06	85.3	11.6	1.02	15.0	.00	.40	.21	1.94
1872	-0.979	34.913	7.09	85.6	11.3	1.02	14.8	.00	.47	.23	2.04
1969	-0.994	34.914	7.09	85.6	11.3	1.02	14.8	.00	.45	.22	2.02
2063	-1.027	34.910	7.14	86.1	11.3	1.01	14.8	.00	.50	.24	2.05
2213	-1.087	34.903	7.21	86.7	11.0	1.01	14.6	.00	.60	.30	2.03
2359	-1.105	34.900	7.21	86.7	11.1	1.02	14.5	.00	.65	.31	2.08

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TDN	DD DYN M	STABIL X 10E8	PRESS DB
1	2.128	2.128	32.989	26.351	31.015	35.574	40.030	66.4	0.0771	5384.7	1
27	3.843	3.841	34.936	27.752	32.353	36.852	41.249	33.8	0.0539	490.3	27
51	3.135	3.132	34.995	27.869	32.489	37.005	41.419	22.9	0.0471	140.0	52
100	2.557	2.551	35.013	27.936	32.571	37.103	41.532	16.9	0.0374	49.9	101
159	2.237	2.228	35.014	27.964	32.608	37.148	41.586	14.4	0.0283	28.1	161
218	2.030	2.018	35.012	27.980	32.630	37.176	41.618	13.2	0.0202	28.2	220
283	1.667	1.652	34.996	27.996	32.656	37.212	41.664	11.8	0.0120	38.1	286
340	0.890	0.874	34.946	28.010	32.694	37.271	41.745	9.9	0.0058	26.9	344
404	0.342	0.325	34.918	28.022	32.721	37.315	41.804	8.4	-0.0000	17.5	409
540	-0.044	-0.066	34.914	28.040	32.751	37.356	41.856	6.2	-0.0099	13.3	547
658	-0.515	-0.540	34.894	28.048	32.773	37.392	41.906	4.6	-0.0163	10.4	666
783	-0.509	-0.539	34.910	28.061	32.786	37.405	41.918	3.3	-0.0212	8.5	793
874	-0.545	-0.580	34.916	28.067	32.793	37.414	41.928	2.4	-0.0238	8.3	885
992	-0.655	-0.694	34.918	28.074	32.804	37.427	41.946	1.3	-0.0260	4.2	1005
1099	-0.766	-0.810	34.913	28.075	32.808	37.435	41.957	0.7	-0.0271	3.6	1114
1232	-0.809	-0.859	34.914	28.078	32.813	37.441	41.964	0.1	-0.0276	4.0	1249
1380	-0.916	-0.973	34.910	28.079	32.818	37.449	41.976	-0.8	-0.0271	3.9	1399
1464	-0.923	-0.984	34.913	28.082	32.821	37.453	41.980	-1.3	-0.0262	1.8	1485
1672	-0.961	-1.034	34.912	28.083	32.823	37.457	41.985	-2.1	-0.0226	1.6	1697
1872	-0.979	-1.064	34.913	28.085	32.826	37.461	41.990	-2.8	-0.0178	2.6	1901
1969	-0.994	-1.084	34.914	28.087	32.829	37.464	41.993	-3.3	-0.0149	0.9	1999
2063	-1.027	-1.123	34.910	28.085	32.828	37.465	41.995	-3.5	-0.0117	1.0	2095
2213	-1.087	-1.192	34.903	28.082	32.827	37.466	41.999	-4.0	-0.0061	0.3	2248
2359	-1.105	-1.220	34.900	28.081	32.827	37.466	42.000	-4.3	0.0000		2398

POLARSTERN ARKTIS II LEG 3

STATION 367

LATITUDE 77 38.8 N LONGITUDE 2 28.8 W MO/DY/YR 08/ 2/84 ON TIME 1223 GMT OFF 1331 BOTTOM 2966 M WIND 27 SPEED 22 AIR TEMP -0.2 WET BULB -0.3

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
3	-0.900	32.632	8.51	101.6	3.0	0.37	2.1	.03	5.07	2.18	2.32
50	1.279	34.701	7.21	92.5	5.1	0.67	7.6	.09	3.18	1.44	2.21
80	2.790	34.978	7.17	95.8	5.6	0.81	11.3	.33	3.89	1.74	2.24
133	1.684	34.926	7.09	92.0	6.4	0.85	12.6	.02	3.05	1.39	2.20
161	2.068	34.975	7.19	94.3	6.0	0.86	12.8	.02	3.63	1.59	2.28
295	1.962	35.009	7.32	95.7	6.0	0.87	13.1	.02	3.92	1.72	2.29
393	0.945	34.944	7.14	90.9	6.7	0.89	13.1	.02	2.40	1.09	2.19
493	0.399	34.923	7.27	91.2	6.7	0.90	13.2	.03	2.55	1.14	2.23
593	-0.096	34.913	7.46	92.4	6.9	0.91	13.5	.01	3.14	1.41	2.24
740	-0.470	34.904	7.34	90.0	7.6	0.93	13.6	.01	2.35	1.08	2.17
822	-0.699	34.892	7.58	92.3	7.2	0.91	13.5	.01	3.19	1.43	2.24
891	-0.694	34.898	7.49	91.3	7.5	0.92	13.5	.01	2.83	1.28	2.22
985	-0.852	34.891	7.57	91.8	7.5	0.92	13.5	.01	3.08	1.37	2.24
1184	-0.838	34.903	7.18	87.1	9.0	0.96	14.5	.01	1.51	.68	2.23
1388	-0.884	34.911	7.09	85.9	10.0	0.99	14.5	.01	.98	.43	2.27
1577	-0.961	34.906	7.12	86.0	10.2	0.99	14.6	.01	.93	.42	2.22
1772	-0.996	34.905	7.16	86.4	10.4	1.00	14.6	.01	.86	.39	2.22
1973	-0.987	34.909	7.12	85.9	11.0	1.00	14.9	.00	.60	.28	2.15
2116	-1.002	34.910	7.13	86.0	10.9	1.01	14.8	.01	.59	.28	2.10
2261	-1.009	34.910	7.14	86.1	11.1	1.00	14.9	.00	.54	.27	2.04
2460	-1.047	34.905	7.20	86.7	10.9	0.99	14.7	.00	.59	.29	2.05
2653	-1.064	34.902	7.23	87.0	10.9	0.99	14.7	.00	.61	.30	2.05
2862	-1.072	34.900	7.25	87.1	10.9	0.99	14.6	.00	.65	.31	2.08
2956	-1.070	34.898	7.26	87.3	11.1	0.99	14.6	.00	.66	.32	2.07

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
3	-0.900	-0.900	32.632	26.231	30.987	35.636	40.180	77.7	0.0760	3304.5	3
50	1.279	1.277	34.701	27.786	32.459	37.028	41.493	30.5	0.0349	327.6	51
80	2.790	2.785	34.978	27.887	32.516	37.042	41.465	21.3	0.0272	100.9	81
133	1.684	1.677	34.926	27.938	32.598	37.154	41.606	16.6	0.0171	27.5	134
161	2.068	2.059	34.975	27.947	32.596	37.141	41.583	16.0	0.0126	27.6	163
295	1.962	1.946	35.009	27.983	32.635	37.183	41.628	13.3	-0.0071	32.8	298
393	0.945	0.926	34.944	28.005	32.687	37.263	41.736	10.6	-0.0188	24.3	398
493	0.399	0.377	34.923	28.023	32.720	37.313	41.801	8.5	-0.0283	27.6	499
593	-0.096	-0.120	34.913	28.042	32.755	37.361	41.863	5.9	-0.0355	12.7	600
740	-0.470	-0.499	34.904	28.054	32.778	37.396	41.908	4.0	-0.0426	7.4	749
822	-0.699	-0.730	34.892	28.054	32.785	37.410	41.930	3.3	-0.0456	6.9	832
891	-0.694	-0.728	34.898	28.059	32.790	37.415	41.934	2.8	-0.0477	6.2	902
985	-0.852	-0.889	34.891	28.061	32.797	37.426	41.950	2.0	-0.0500	4.7	998
1184	-0.838	-0.885	34.903	28.070	32.806	37.435	41.959	0.8	-0.0527	5.3	1200
1388	-0.884	-0.942	34.911	28.079	32.816	37.447	41.972	-0.6	-0.0528	1.9	1408
1577	-0.961	-1.028	34.906	28.078	32.818	37.452	41.980	-1.4	-0.0508	1.6	1600
1772	-0.996	-1.074	34.905	28.079	32.821	37.456	41.985	-2.1	-0.0475	1.8	1799
1973	-0.987	-1.078	34.909	28.083	32.824	37.459	41.989	-2.8	-0.0426	2.3	2004
2116	-1.002	-1.102	34.910	28.084	32.827	37.462	41.992	-3.4	-0.0381	1.2	2149
2261	-1.009	-1.119	34.910	28.085	32.828	37.464	41.995	-3.9	-0.0328	0.7	2298
2460	-1.047	-1.170	34.905	28.083	32.827	37.465	41.997	-4.4	-0.0247	0.6	2501
2653	-1.064	-1.201	34.902	28.082	32.827	37.466	41.999	-4.8	-0.0158	0.7	2698
2862	-1.072	-1.225	34.900	28.081	32.827	37.467	42.000	-5.4	-0.0051	-1.0	2912
2956	-1.070	-1.230	34.898	28.080	32.826	37.466	42.000	-5.5	0.0000		3009

POLARSTERN ARKTIS II LEG 3

STATION 370

CAST TWO

LATITUDE 77 39.3 N LONGITUDE 0 22.9 W MO/DY/YR 08/ 2/84 ON TIME 0232 GMT OFF 0330 BOTTOM 3061 M WIND 22 SPEED 25 AIR TEMP 3.3 WET BULB 2.5

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
8	4.025	34.916	7.61	104.8	3.0	0.48	4.8	.08	4.57	2.03	2.26
39	2.432	35.029	7.28	96.4	5.8	0.86	12.8	.06	4.17	1.87	2.23
86	2.244	35.041	7.39	97.4	5.9	0.87	13.0	.03	4.42	1.95	2.26
136	2.118	35.040	7.40	97.2	5.9	0.87	13.1	.01	4.40	1.94	2.27
186	2.087	35.039	7.42	97.4	5.9	0.87	13.2	.01	4.40	1.94	2.27
255	2.035	35.035	7.43	97.4	5.9	0.87	13.1	.01	4.36	1.94	2.25
323	1.907	35.026	7.42	96.9	6.0	0.87	13.0	.01	4.29	1.91	2.25
394	1.266	34.980	7.43	95.4	6.2	0.88	13.2	.01	4.04	1.80	2.24
488	0.552	34.940	7.52	94.8	6.4	0.88	13.3	.01	3.93	1.75	2.25
588	-0.182	34.900	7.59	93.8	6.7	0.89	13.3	.01	3.78	1.68	2.26
643	-0.437	34.892	7.65	93.9	6.7	0.90	13.3	.01	3.72	1.65	2.26
690	-0.588	34.887	7.60	92.9	7.0	0.90	13.4	.01	3.49	1.55	2.25
789	-0.685	34.892	7.59	92.5	7.2	0.90	13.4	.01	3.33	1.48	2.25
913	-0.765	34.892	7.55	91.8	7.4	0.91	13.5	.01	3.10	1.41	2.20
1072	-0.876	34.894	7.41	89.8	8.0	0.94	13.9	.01	2.50	1.14	2.19
1280	-0.923	34.900	7.17	86.8	9.3	0.96	14.4	.00	1.51	.67	2.25
1478	-0.946	34.904	7.10	85.9	10.1	0.99	14.8	.00	1.04	.47	2.20
1691	-0.992	34.905	7.12	86.0	10.3	0.98	14.8	.00	.90	.43	2.08
1871	-0.984	34.908	7.09	85.6	11.1	0.99	14.9	.00	.62	.30	2.09
2117	-1.006	34.908	7.13	86.0	11.0	0.99	14.8	.00	.62	.31	2.02
2347	-1.026	34.907	7.16	86.3	11.0	0.99	14.7	.00	.57	.29	1.98
2603	-1.058	34.903	7.21	86.7	11.0	0.97	14.6	.00	.61	.30	2.05
2851	-1.065	34.900	7.23	86.9	10.9	0.97	14.7	.00	.62	.32	1.95
3047	-1.062	34.900	7.24	87.0	11.1	0.96	14.6	.01	.65	.32	2.01

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
8	4.025	4.024	34.916	27.717	32.313	36.807	41.200	36.9	0.0257	785.2	8
39	2.432	2.430	35.029	27.959	32.598	37.132	41.564	14.2	0.0182	55.3	39
86	2.244	2.239	35.041	27.985	32.629	37.168	41.605	12.0	0.0120	20.8	87
136	2.118	2.110	35.040	27.995	32.642	37.185	41.625	11.4	0.0062	3.7	138
186	2.087	2.077	35.039	27.997	32.645	37.189	41.630	11.4	0.0005	2.7	188
255	2.035	2.021	35.035	27.998	32.648	37.193	41.636	11.7	-0.0075	6.1	258
323	1.907	1.889	35.026	28.001	32.655	37.204	41.650	11.7	-0.0154	24.9	327
394	1.266	1.246	34.980	28.012	32.685	37.252	41.715	10.3	-0.0232	25.3	399
488	0.552	0.530	34.940	28.027	32.720	37.308	41.792	8.3	-0.0320	20.5	494
588	-0.182	-0.205	34.900	28.036	32.751	37.360	41.865	6.3	-0.0393	20.2	595
643	-0.437	-0.462	34.892	28.042	32.765	37.382	41.894	5.2	-0.0424	12.5	651
690	-0.588	-0.614	34.887	28.045	32.773	37.394	41.910	4.7	-0.0448	10.7	699
789	-0.685	-0.715	34.892	28.054	32.784	37.409	41.928	3.5	-0.0488	4.8	799
913	-0.765	-0.800	34.892	28.058	32.791	37.417	41.939	2.7	-0.0526	6.3	925
1072	-0.876	-0.917	34.894	28.064	32.801	37.431	41.956	1.5	-0.0559	4.4	1086
1280	-0.923	-0.974	34.900	28.071	32.810	37.441	41.968	0.1	-0.0575	3.0	1298
1478	-0.946	-1.008	34.904	28.076	32.815	37.448	41.976	-0.8	-0.0568	2.6	1499
1691	-0.992	-1.065	34.905	28.079	32.820	37.455	41.984	-1.8	-0.0539	1.6	1716
1871	-0.984	-1.068	34.908	28.082	32.823	37.458	41.987	-2.5	-0.0500	1.5	1900
2117	-1.006	-1.106	34.908	28.083	32.825	37.461	41.991	-3.3	-0.0429	1.2	2151
2347	-1.026	-1.141	34.907	28.083	32.827	37.464	41.995	-4.0	-0.0344	0.9	2385
2603	-1.058	-1.191	34.903	28.082	32.827	37.466	41.999	-4.7	-0.0232	0.2	2647
2851	-1.065	-1.217	34.900	28.081	32.827	37.466	41.999	-5.3	-0.0108	0.7	2901
3047	-1.062	-1.230	34.900	28.081	32.827	37.467	42.001	-5.7	0.0000		3102

POLARSTERN ARKTIS II LEG 3

STATION 374

LATITUDE 77 40.1 N LONGITUDE 2 29.8 E MO/DY/YR 08/ 3/84 ON TIME 0910 GMT OFF 1031 BOTTOM 3039 M WIND 21 SPEED 22 AIR TEMP 4.0 WET BULB 3.0

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	P04 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
8	4.591	34.777	7.83	109.2	1.3	0.28	2.1	.05	4.59	2.03	2.26
38	1.924	34.906	7.77	101.5	4.2	0.70	7.7	.11	4.80	2.10	2.29
68	0.674	34.898	7.84	99.1	4.6	0.79	10.1	.16	4.80	2.08	2.30
84	0.332	34.896	7.84	98.2	5.1	0.82	11.1	.18	4.70	2.05	2.30
162	-0.320	34.884	7.77	95.7	6.0	0.87	12.6	.20	4.28	1.88	2.27
193	-0.045	34.912	7.56	93.8	6.6	0.88	13.1	.04	3.50	1.56	2.24
322	-0.557	34.893	7.63	93.4	6.8	0.89	13.2	.02	3.57	1.59	2.24
394	-0.640	34.892	7.60	92.8	7.0	0.90	13.2	.02			
492	-0.730	34.893	7.56	92.1	7.2	0.89	13.4	.01	3.20	1.43	2.23
590	-0.779	34.897	7.55	91.8	7.4	0.90	13.5	.01	3.07	1.39	2.21
691	-0.893	34.891	7.54	91.4	7.6	0.92	13.5	.00	2.93	1.33	2.20
788	-0.908	34.894	7.48	90.6	7.9	0.93	13.6	.00	2.68	1.21	2.21
889	-0.908	34.898	7.26	87.9	8.6	0.96	14.0	.00	1.90	.87	2.19
989	-0.909	34.903	7.13	86.4	9.3	0.97	14.3	.00	1.29	.61	2.13
1132	-0.945	34.904	7.13	86.3	9.5	0.97	14.4	.00	1.16	.54	2.17
1331	-0.993	34.903	7.13	86.1	10.0	0.98	14.5	.00	1.02	.48	2.12
1527	-1.014	34.905	7.16	86.4	10.3	0.98	14.5	.00	.94	.44	2.15
1874	-1.017	34.909	7.14	86.1	10.9	1.00	14.6	.00	.62	.33	1.91
2115	-1.034	34.908	7.16	86.3	11.0	1.00	14.6	.00	.56	.29	1.97
2360	-1.060	34.905	7.19	86.5	11.0	0.99	14.5	.00	.58	.31	1.89
2606	-1.073	34.902	7.24	87.1	11.0	0.98	14.5	.00	.62	.32	1.90
2848	-1.073	34.901	7.25	87.1	11.0	0.99	14.5	.00	.65	.33	1.98
3011	-1.066	34.900	7.24	87.0	11.0	0.97	14.5	.01	.66	.32	2.03

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
8	4.591	4.590	34.777	27.545	32.128	36.609	40.989	53.2	-0.0094	1196.7	8
38	1.924	1.922	34.906	27.903	32.556	37.105	41.552	19.5	-0.0197	280.4	38
68	0.674	0.671	34.898	27.985	32.674	37.258	41.738	11.6	-0.0243	124.4	69
84	0.332	0.329	34.896	28.004	32.703	37.297	41.786	9.8	-0.0260	35.5	85
162	-0.320	-0.326	34.884	28.029	32.748	37.361	41.869	7.2	-0.0326	22.4	164
193	-0.045	-0.052	34.912	28.038	32.748	37.353	41.853	6.4	-0.0347	11.0	195
322	-0.557	-0.568	34.893	28.048	32.774	37.394	41.909	5.0	-0.0419	5.9	326
394	-0.640	-0.653	34.892	28.051	32.780	37.402	41.920	4.5	-0.0454	6.1	399
492	-0.730	-0.747	34.893	28.056	32.788	37.413	41.933	3.8	-0.0494	6.4	498
590	-0.779	-0.800	34.897	28.062	32.795	37.421	41.943	3.0	-0.0527	2.4	597
691	-0.893	-0.917	34.891	28.062	32.798	37.429	41.954	2.5	-0.0555	3.8	700
788	-0.908	-0.936	34.894	28.065	32.802	37.433	41.958	1.9	-0.0576	3.5	798
889	-0.908	-0.941	34.898	28.068	32.805	37.437	41.962	1.4	-0.0593	4.5	901
989	-0.909	-0.946	34.903	28.073	32.810	37.441	41.967	0.8	-0.0604	2.6	1002
1132	-0.945	-0.989	34.904	28.075	32.814	37.446	41.973	0.1	-0.0610	1.8	1147
1331	-0.993	-1.046	34.903	28.077	32.817	37.451	41.980	-0.7	-0.0603	2.1	1350
1527	-1.014	-1.078	34.905	28.079	32.821	37.456	41.985	-1.6	-0.0580	1.5	1549
1874	-1.017	-1.101	34.909	28.083	32.826	37.462	41.992	-2.8	-0.0502	1.0	1903
2115	-1.034	-1.133	34.908	28.084	32.827	37.464	41.995	-3.6	-0.0425	0.8	2149
2360	-1.060	-1.176	34.905	28.083	32.828	37.466	41.998	-4.3	-0.0328	0.3	2399
2606	-1.073	-1.206	34.902	28.082	32.827	37.467	42.000	-4.8	-0.0215	0.7	2650
2848	-1.073	-1.225	34.901	28.082	32.828	37.467	42.001	-5.4	-0.0091	-0.1	2898
3011	-1.066	-1.231	34.900	28.081	32.827	37.467	42.001	-5.7	0.0000		3065

POLARSTERN ARKTIS II LEG 3

STATION 378

LATITUDE 77 39.4 N LONGITUDE 5 13.1 E MO/DY/YR 08/ 3/84 ON TIME 1858 GMT 2010 OFF BOTTOM 2394 M WIND 20 SPEED 19 AIR TEMP 4.5 WET BULB 3.6

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	P04 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
9	5.436	34.992	7.36	104.9	2.6	0.46	4.7	.08	4.27	1.90	2.25
43	3.240	35.027	7.36	99.5	5.1	0.76	10.0	.26	4.47	1.95	2.29
70	2.771	35.042	7.23	96.6	5.7	0.86	12.9	.06	4.22	1.86	2.27
114	2.416	35.034	7.32	96.9	5.8	0.86	12.9	.07	4.29	1.89	2.27
211	1.521	34.987	7.34	94.9	6.1	0.88	13.2	.02	3.97	1.76	2.26
420	-0.414	34.888	7.55	92.7	6.4	0.88	13.4	.02	3.53	1.57	2.24
458	-0.406	34.893	7.56	92.9	6.8	0.90	13.5	.02	3.48	1.55	2.24
508	-0.569	34.888	7.63	93.3	6.8	0.90	13.4	.02	3.60	1.60	2.25
591	-0.714	34.887	7.54	91.8	7.1	0.91	13.5	.01	3.13	1.40	2.24
689	-0.759	34.891	7.48	91.0	7.4	0.92	13.6	.01	2.89	1.30	2.22
789	-0.788	34.897	7.22	87.8	8.4	0.97	14.2	.01	1.83	.85	2.15
888	-0.824	34.901	7.15	86.8	8.9	0.98	14.3	.01	1.47	.67	2.20
985	-0.844	34.904	7.07	85.8	9.6	0.99	14.6	.01	1.12	.50	2.23
1083	-0.885	34.904	7.07	85.7	9.9	1.00	14.7	.01	.99	.47	2.11
1182	-0.913	34.907	7.06	85.5	10.3	1.01	14.8	.01	.81	.39	2.08
1281	-0.934	34.911	7.06	85.4	10.6	1.01	15.0	.01	.72	.33	2.16
1377	-0.957	34.907	7.08	85.6	10.7	1.01	15.0	.01	.72	.36	2.00
1475	-0.993	34.906	7.09	85.6	10.6	1.01	14.9	.01	.79	.40	1.98
1574	-0.980	34.909	7.06	85.3	11.3	1.02	15.1	.00	.53	.27	2.00
1672	-0.980	34.909	7.05	85.1	11.5	1.03	15.1	.01	.47	.23	2.00
1868	-0.991	34.910	7.06	85.2	11.9	1.04	15.2	.00	.40	.22	1.81
2115	-1.021	34.906	7.12	85.8	11.3	1.04	15.0	.01	.52	.26	1.99
2302	-1.053	34.904	7.17	86.3	11.1	1.02	14.6	.00	.57	.29	1.96
2394	-1.073	34.903	7.18	86.4	11.2	1.00	14.5	.01	.60	.31	1.96

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
9	5.436	5.435	34.992	27.617	32.177	36.635	40.994	46.4	0.0435	790.6	9
43	3.240	3.237	35.027	27.884	32.501	37.014	41.426	21.4	0.0325	208.9	43
70	2.771	2.767	35.042	27.940	32.569	37.095	41.518	16.2	0.0276	58.3	71
114	2.416	2.409	35.034	27.965	32.604	37.139	41.572	14.1	0.0209	39.3	115
211	1.521	1.510	34.987	27.999	32.663	37.223	41.680	11.1	0.0087	27.0	213
420	-0.414	-0.429	34.888	28.038	32.759	37.375	41.886	6.0	-0.0085	9.6	425
458	-0.406	-0.423	34.893	28.041	32.763	37.379	41.889	5.6	-0.0107	12.2	463
508	-0.569	-0.587	34.888	28.045	32.772	37.392	41.908	5.0	-0.0134	10.0	514
591	-0.714	-0.735	34.887	28.051	32.782	37.407	41.927	4.1	-0.0171	6.4	598
689	-0.759	-0.784	34.891	28.056	32.789	37.415	41.936	3.3	-0.0207	7.1	698
789	-0.788	-0.817	34.897	28.063	32.796	37.423	41.945	2.4	-0.0236	5.5	799
888	-0.824	-0.857	34.901	28.067	32.802	37.430	41.954	1.7	-0.0257	4.4	899
985	-0.844	-0.881	34.904	28.071	32.806	37.436	41.959	1.1	-0.0270	3.1	998
1083	-0.885	-0.927	34.904	28.073	32.810	37.440	41.965	0.6	-0.0279	5.1	1097
1182	-0.913	-0.959	34.907	28.076	32.814	37.446	41.972	-0.1	-0.0281	5.1	1198
1281	-0.934	-0.985	34.911	28.081	32.819	37.451	41.978	-0.8	-0.0277	-1.0	1299
1377	-0.957	-1.013	34.907	28.078	32.818	37.451	41.979	-0.9	-0.0269	2.6	1396
1475	-0.993	-1.054	34.906	28.079	32.820	37.454	41.983	-1.3	-0.0259	1.8	1496
1574	-0.980	-1.047	34.909	28.082	32.822	37.456	41.984	-1.7	-0.0243	0.5	1597
1672	-0.980	-1.052	34.909	28.082	32.823	37.457	41.985	-2.0	-0.0225	1.5	1697
1868	-0.991	-1.075	34.910	28.083	32.825	37.460	41.989	-2.7	-0.0179	0.4	1896
2115	-1.021	-1.121	34.906	28.082	32.825	37.461	41.992	-3.3	-0.0106	1.6	2148
2302	-1.053	-1.165	34.904	28.082	32.826	37.464	41.996	-3.9	-0.0038	2.3	2339
2394	-1.073	-1.191	34.903	28.082	32.827	37.466	41.999	-4.3	0.0000		2433

POLARSTERN ARKTIS II LEG 3

STATION 381

LATITUDE 77 39.6 N LONGITUDE 7 33.4 E MO/DY/YR 08/ 4/84 ON TIME 0516 GMT OFF 0622
 BOTTOM 3471 M WIND 21 SPEED 23 AIR TEMP 4.3 WET BULB 3.4

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SIO3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
8	5.927	35.016	7.23	104.3	2.6	0.44	4.9	.09	4.14	1.85	2.24
39	5.866	35.016	7.22	104.0	2.6	0.44	5.0	.09	4.13	1.85	2.23
87	3.801	35.062	7.03	96.3	5.6	0.82	12.5	.11	4.22	1.87	2.26
157	3.110	35.056	7.15	96.3	5.7	0.82	13.0	.02	4.24	1.87	2.27
234	2.771	35.048	7.24	96.7	5.7	0.82	13.0	.02	4.26	1.87	2.28
326	2.145	35.020	7.28	95.7	5.9	0.84	13.1	.02	4.08	1.80	2.26
394	1.581	34.990	7.36	95.3	6.0	0.84	13.1	.03	4.09	1.82	2.25
493	0.578	34.929	7.36	92.8	6.4	0.86	13.3	.01	3.66	1.61	2.28
591	-0.008	34.903	7.48	92.8	6.6	0.87	13.3	.01	3.59	1.58	2.27
701	-0.413	34.889	7.43	91.2	7.0	0.87	13.5	.00	3.18	1.40	2.26
784	-0.538	34.891	7.30	89.3	7.5	0.89	13.8	.00	2.46	1.10	2.24
884	-0.614	34.897	7.20	87.9	8.0	0.91	14.0	.00	2.02	.89	2.26
991	-0.659	34.902	7.08	86.3	8.8	0.93	14.4	.00	1.40	.63	2.22
1106	-0.714	34.907	7.10	86.4	9.6	0.94	14.6	.01	.97	.46	2.12
1328	-0.818	34.911	6.99	84.8	10.6	0.97	14.8	.01	.60	.29	2.06
1526	-0.872	34.911	7.01	84.9	11.1	0.98	14.9	.01	.47	.24	2.01
1772	-0.919	34.911	7.02	84.9	11.5	0.99	15.0	.00	.38	.22	1.71
2018	-0.939	34.911	7.05	85.2	11.8	0.98	15.0	.00	.35	.19	1.88
2261	-0.948	34.911	7.06	85.3	11.8	0.98	15.0	.00	.37	.20	1.86
2508	-0.944	34.909	7.07	85.3	11.8	0.97	14.9	.00	.38	.21	1.82
2753	-0.934	34.910	7.06	85.2	11.8	0.97	14.9	.00	.43	.22	1.97
3000	-0.913	34.910	7.07	85.3	11.8	0.96	14.9	.00	.43	.23	1.93
3245	-0.892	34.910	7.07	85.3	11.8	0.98	14.9	.00	.41	.21	1.93
3446	-0.874	34.911	7.07	85.3	11.8	0.96	14.8	.00	.41	.21	1.96

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
8	5.927	5.926	35.016	27.575	32.123	36.569	40.916	50.4	0.0584	26.0	8
39	5.866	5.863	35.016	27.583	32.132	36.581	40.928	50.1	0.0428	577.0	39
87	3.801	3.795	35.062	27.857	32.458	36.957	41.354	24.5	0.0246	94.0	88
157	3.110	3.100	35.056	27.920	32.541	37.057	41.472	18.9	0.0095	34.7	159
234	2.771	2.757	35.048	27.946	32.575	37.101	41.524	17.0	-0.0042	39.9	237
326	2.145	2.126	35.020	27.978	32.624	37.167	41.607	14.2	-0.0186	38.1	330
394	1.581	1.560	34.990	27.998	32.661	37.219	41.674	12.0	-0.0275	31.9	399
493	0.578	0.556	34.929	28.017	32.709	37.296	41.779	9.3	-0.0380	22.4	499
591	-0.008	-0.032	34.903	28.030	32.740	37.344	41.843	7.3	-0.0461	15.5	598
701	-0.413	-0.440	34.889	28.039	32.761	37.377	41.889	5.6	-0.0532	12.6	710
784	-0.538	-0.568	34.891	28.046	32.773	37.393	41.907	4.5	-0.0573	10.5	794
884	-0.614	-0.648	34.897	28.055	32.783	37.406	41.923	3.4	-0.0613	7.2	895
991	-0.659	-0.698	34.902	28.061	32.791	37.415	41.934	2.5	-0.0644	7.1	1004
1106	-0.714	-0.759	34.907	28.068	32.800	37.425	41.945	1.5	-0.0667	5.5	1121
1328	-0.818	-0.873	34.911	28.076	32.811	37.440	41.964	0.0	-0.0683	2.8	1346
1526	-0.872	-0.937	34.911	28.079	32.816	37.447	41.972	-0.9	-0.0675	2.2	1548
1772	-0.919	-0.998	34.911	28.081	32.820	37.453	41.980	-1.9	-0.0641	1.3	1799
2018	-0.939	-1.034	34.911	28.083	32.823	37.456	41.985	-2.7	-0.0585	1.1	2049
2261	-0.948	-1.059	34.911	28.083	32.824	37.459	41.988	-3.3	-0.0512	0.0	2298
2508	-0.944	-1.072	34.909	28.083	32.824	37.458	41.988	-3.8	-0.0424	0.7	2550
2753	-0.934	-1.081	34.910	28.084	32.825	37.460	41.990	-4.3	-0.0326	-0.1	2801
3000	-0.913	-1.080	34.910	28.083	32.825	37.460	41.990	-4.6	-0.0217	0.0	3054
3245	-0.892	-1.081	34.910	28.083	32.825	37.460	41.990	-4.9	-0.0101	0.5	3305
3446	-0.874	-1.081	34.911	28.084	32.826	37.461	41.990	-5.2	0.0000		3511

POLARSTERN ARKTIS II LEG 3

STATION 382 CAST ONE

LATITUDE 77 39.9 N LONGITUDE 8 29.5 E MO/DY/YR 08/ 4/84 ON TIME 1114 GMT OFF 1204 BOTTM 2153 M WIND 21 SPEED 23 AIR TEMP 4.3 WET BULB 3.4

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SIO3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
8	6.194	35.050	7.20	104.5	3.4	0.49	5.8	.14	4.07	1.85	2.20
57	5.123	35.065	7.19	101.8	4.4	0.62	8.0	.26	4.32	1.87	2.31
96	3.798	35.080	7.11	97.4	5.7	0.83	12.7	.03	4.25	1.89	2.26
194	3.251	35.069	7.20	97.3	5.7	0.85	12.7	.01	4.31	1.90	2.27
297	2.839	35.060	7.29	97.5	5.8	0.85	12.7	.02	4.33	1.93	2.25
393	2.548	35.049	7.35	97.6	5.8	0.85	12.6	.02	4.31	1.91	2.25
490	2.171	35.031	7.32	96.2	5.8	0.85	12.6	.02			
591	1.093	34.955	7.39	94.4	6.3	0.89	12.9	.03	3.88	1.71	2.27
690	0.029	34.900	7.41	92.0	6.7	0.88	13.2	.02	3.40	1.50	2.26
787	-0.292	34.891	7.49	92.2	6.9	0.90	13.2	.01	3.41	1.50	2.28
837	-0.422	34.889	7.47	91.7	7.1	0.91	13.2	.01	3.15	1.38	2.28
885	-0.532	34.889	7.40	90.5	7.3	0.92	13.4	.01	2.80	1.25	2.24
984	-0.613	34.896	7.21	88.0	8.2	0.94	13.7	.01	1.96	.88	2.23
1082	-0.677	34.905	7.05	85.9	9.4	0.98	14.3	.01	1.11	.54	2.07
1182	-0.730	34.906	7.02	85.4	9.8	0.98	14.5	.01	.94	.43	2.15
1278	-0.753	34.910	7.01	85.2	10.0	0.99	14.5	.01	.80	.39	2.03
1378	-0.790	34.911	7.01	85.1	10.5	0.98	14.6	.01	.68	.34	2.00
1475	-0.845	34.911	7.00	84.9	11.0	0.99	14.8	.01	.52	.36	1.47
1574	-0.889	34.911	7.01	84.9	11.4	1.01	14.8	.01	.42	.23	1.88
1671	-0.902	34.911	7.01	84.8	11.5	1.01	14.9	.00			
1770	-0.928	34.911	7.02	84.9	11.8	1.00	14.9	.00	.38	.20	1.90
1869	-0.940	34.910	7.05	85.2	11.8	1.00	15.0	.00			
2046	-0.951	34.910	7.04	85.0	12.0	1.00	14.9	.00	.36	.21	1.69
2142	-0.947	34.910	7.03	84.9	12.0	0.99	14.8	.00	.36	.20	1.79

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TDN	DD DYN M	STABIL X 10E8	PRESS DB
8	6.194	6.193	35.050	27.567	32.109	36.548	40.889	51.2	0.1351	299.2	8
57	5.123	5.118	35.065	27.713	32.280	36.746	41.111	38.0	0.1130	412.8	58
96	3.798	3.791	35.080	27.872	32.473	36.972	41.369	23.2	0.1011	49.2	97
194	3.251	3.238	35.069	27.918	32.534	37.047	41.458	19.6	0.0802	33.4	196
297	2.839	2.820	35.060	27.949	32.577	37.101	41.522	17.1	0.0614	21.1	300
393	2.548	2.524	35.049	27.967	32.603	37.135	41.564	15.9	0.0455	23.2	398
490	2.171	2.142	35.031	27.985	32.631	37.174	41.613	14.4	0.0307	36.1	496
591	1.093	1.063	34.955	28.005	32.682	37.255	41.724	11.4	0.0176	40.2	598
690	0.029	-0.000	34.900	28.025	32.734	37.338	41.836	7.7	0.0082	17.1	699
787	-0.292	-0.324	34.891	28.035	32.753	37.366	41.875	6.1	0.0015	15.9	797
837	-0.422	-0.456	34.889	28.040	32.762	37.379	41.891	5.4	-0.0014	17.0	848
885	-0.532	-0.567	34.889	28.045	32.771	37.391	41.906	4.5	-0.0037	11.8	896
984	-0.613	-0.652	34.896	28.054	32.783	37.405	41.923	3.3	-0.0076	12.5	997
1082	-0.677	-0.721	34.905	28.065	32.795	37.419	41.939	2.0	-0.0102	5.5	1096
1182	-0.730	-0.778	34.906	28.068	32.801	37.426	41.947	1.3	-0.0118	5.6	1198
1278	-0.753	-0.806	34.910	28.073	32.806	37.433	41.954	0.7	-0.0128	4.2	1296
1378	-0.790	-0.848	34.911	28.075	32.809	37.438	41.960	0.1	-0.0132	5.0	1397
1475	-0.845	-0.908	34.911	28.077	32.814	37.444	41.968	-0.5	-0.0130	4.4	1496
1574	-0.889	-0.957	34.911	28.080	32.817	37.449	41.975	-1.1	-0.0121	1.5	1597
1671	-0.902	-0.975	34.911	28.080	32.819	37.450	41.977	-1.5	-0.0109	2.8	1696
1770	-0.928	-1.007	34.911	28.082	32.821	37.454	41.981	-1.9	-0.0092	1.0	1797
1869	-0.940	-1.025	34.910	28.082	32.821	37.455	41.983	-2.2	-0.0071	1.2	1897
2046	-0.951	-1.047	34.910	28.082	32.823	37.457	41.985	-2.7	-0.0027	0.3	2078
2142	-0.947	-1.050	34.910	28.082	32.823	37.457	41.986	-3.0	0.0000		2176

POLARSTERN ARKTIS II LEG 3

STATION 383

LATITUDE 77 39.9 N LONGITUDE 9 43.8 E MO/DY/YR 08/ 4/84 ON TIME OFF 1742 GMT 1815 BOTTOM 1302 M WIND 22 SPEED 19 AIR TEMP 5.0 WET BULB 4.2

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	P04 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
4	6.362	35.036	7.18	104.7	3.2	0.49	5.0	.10	4.07	1.82	2.23
39	6.123	35.050	7.18	104.1	3.5	0.54	5.6	.11	4.13	1.85	2.24
77	4.471	35.050	7.34	102.2	4.7	0.64	6.9	.14			
97	4.134	35.045	7.32	101.1	4.9	0.70	7.9	.20	4.41	1.96	2.25
147	3.524	35.069	7.11	96.8	5.8	0.88	13.0	.02			
196	3.052	35.051	7.18	96.6	5.9	0.89	13.1	.02	4.20	1.86	2.26
296	2.535	35.035	7.24	96.1	5.9	0.90	13.2	.02	4.12	1.82	2.27
443	1.262	34.962	7.16	91.9	6.6	0.92	13.3	.02	3.63	1.60	2.27
587	-0.039	34.899	7.44	92.3	6.7	0.93	13.5	.02	3.47	1.54	2.25
636	-0.116	34.909	7.10	87.9	8.2	0.98	14.3	.02			
688	-0.286	34.910	7.06	87.0	8.8	0.99	14.4	.03	1.70	.80	2.14
787	-0.556	34.913	6.92	84.6	10.3	1.04	15.1	.01	.75	.37	2.04
888	-0.786	34.911	6.94	84.3	10.7	1.03	14.9	.02	.58	.29	2.01
985	-0.885	34.912	6.97	84.5	11.6	1.03	15.2	.01	.38	.21	1.84
1081	-0.947	34.912	6.98	84.4	12.2	1.06	15.3	.01	.29	.15	1.89
1181	-0.990	34.911	7.00	84.6	12.4	1.04	15.2	.01		.16	
1255	-1.011	34.910	7.03	84.9	12.3	1.04	15.1	.01	.36	.19	1.91
1305	-1.015	34.910	7.01	84.6	12.3	1.02	15.1	.01	.36	.19	1.86

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10EB	PRESS DB
4	6.362	6.362	35.036	27.534	32.071	36.507	40.844	54.2	0.1250	122.1	4
39	6.123	6.120	35.050	27.577	32.120	36.561	40.904	50.7	0.1067	529.4	39
77	4.471	4.465	35.050	27.776	32.360	36.842	41.223	32.2	0.0909	167.2	78
97	4.134	4.127	35.045	27.809	32.402	36.892	41.281	29.2	0.0848	168.0	98
147	3.524	3.514	35.069	27.891	32.500	37.006	41.410	21.8	0.0721	68.5	149
196	3.052	3.040	35.051	27.922	32.544	37.062	41.478	19.1	0.0622	37.8	198
296	2.535	2.517	35.035	27.957	32.593	37.125	41.554	16.3	0.0446	37.1	299
443	1.262	1.240	34.962	27.998	32.671	37.238	41.702	11.8	0.0240	34.2	448
587	-0.039	-0.063	34.899	28.028	32.739	37.344	41.844	7.4	0.0102	27.7	594
636	-0.116	-0.142	34.909	28.040	32.753	37.361	41.863	6.1	0.0070	24.6	644
688	-0.286	-0.313	34.910	28.050	32.768	37.380	41.888	4.9	0.0041	21.5	697
787	-0.556	-0.586	34.913	28.065	32.792	37.412	41.927	2.8	0.0004	14.1	797
888	-0.786	-0.819	34.911	28.074	32.807	37.435	41.957	1.2	-0.0016	8.4	899
985	-0.885	-0.922	34.912	28.079	32.816	37.446	41.971	0.2	-0.0022	5.0	998
1081	-0.947	-0.988	34.912	28.082	32.820	37.453	41.979	-0.4	-0.0021	2.4	1095
1181	-0.990	-1.036	34.911	28.083	32.823	37.457	41.985	-0.9	-0.0014	1.6	1197
1255	-1.011	-1.060	34.910	28.083	32.824	37.458	41.987	-1.2	-0.0006	1.0	1272
1305	-1.015	-1.067	34.910	28.083	32.824	37.459	41.988	-1.4	0.0000		1323

POLARSTERN ARKTIS II LEG 3

STATION 384

LATITUDE LONGITUDE MO/DY/YR DN TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 77 41.1 N 10 20.2 E 08/ 4/84 2200 GMT 2219 785 M 20 18 5.0 4.5

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SIO3 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
9	7.030	35.040	6.94	102.7	3.2	0.45	5.5	.15	3.83	1.75	2.19
39	6.216	35.063	6.81	98.9	4.0	0.67	8.8	.14			
68	5.728	35.114	6.73	96.7	5.2	0.82	12.3	.04	3.88	1.76	2.21
113	5.329	35.114	6.82	97.0	5.5	0.84	12.6	.01	4.00	1.78	2.24
168	4.991	35.106	6.87	96.9	5.7	0.85	12.5	.01	3.93	1.76	2.23
264	3.953	35.049	7.03	96.7	5.5	0.85	12.2	.04	4.11	1.83	2.25
296	3.701	35.064	7.02	95.9	5.9	0.88	12.7	.02	4.02	1.79	2.25
393	2.922	35.021	7.07	94.7	5.9	0.88	12.5	.03	4.20	1.85	2.27
492	2.463	34.999	7.08	93.7	5.9	0.88	12.4	.05	4.25	1.89	2.25
591	2.066	34.984	7.08	92.8	6.0	0.89	12.5	.04	4.16	1.85	2.25
672	1.688	34.975	7.08	91.9	6.4	0.93	13.0	.02		1.64	
734	0.821	34.941	7.07	89.7	6.5	0.90	12.4	.03			
782	0.733	34.937	7.06	89.3	6.5	0.90	12.3	.03	3.95	1.76	2.24

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
9	7.030	7.029	35.040	27.447	31.968	36.388	40.709	62.6	0.1945	429.3	9
39	6.216	6.213	35.063	27.575	32.116	36.555	40.895	50.9	0.1775	358.6	39
68	5.728	5.722	35.114	27.678	32.230	36.681	41.031	41.5	0.1642	111.8	69
113	5.329	5.320	35.114	27.728	32.290	36.750	41.110	37.4	0.1466	64.4	114
168	4.991	4.978	35.106	27.762	32.333	36.802	41.170	34.8	0.1268	78.7	170
264	3.953	3.934	35.049	27.832	32.430	36.925	41.319	28.7	0.0960	124.7	267
296	3.701	3.680	35.064	27.870	32.475	36.976	41.376	25.3	0.0874	49.7	299
393	2.922	2.897	35.021	27.911	32.537	37.059	41.479	21.6	0.0651	29.1	398
492	2.463	2.433	34.999	27.935	32.573	37.108	41.540	19.5	0.0448	27.6	498
591	2.066	2.031	34.984	27.956	32.606	37.152	41.594	17.6	0.0264	36.0	598
672	1.688	1.650	34.975	27.979	32.639	37.195	41.648	15.2	0.0130	81.1	680
734	0.821	0.785	34.941	28.012	32.698	37.278	41.755	10.6	0.0050	8.9	743
782	0.733	0.694	34.937	28.015	32.703	37.286	41.765	10.3	0.0000		792

POLARSTERN ARKTIS II LEG 3

STATION 385

LATITUDE LONGITUDE MO/DY/YR ON TIME OFF BOTTOM WIND SPEED AIR TEMP WET BULB
 77 39.8 N 11 20.7 E 08/ 5/84 0231 GMT 0241 295 M 17 17 4.8 4.0

DEPTH M	TEMP DEG C	SALINITY	DIS O2 ML/L	O2 SAT %	SI03 UM/L	PO4 UM/L	NO3 UM/L	NO2 UM/L	FREON-11 PM/KG	FREON-12 PM/KG	F11/F12
5	6.714	35.002	7.10	104.3	2.6	0.42	4.9	.11	4.05	1.97	2.05
31	6.704	35.001	7.09	104.1	2.6	0.40	4.9	.11	3.94	1.78	2.22
55	5.910	35.044	7.09	102.2	3.8	0.57	7.2	.16			
95	5.167	35.096	6.84	96.9	5.3	0.80	12.3	.03	3.98	1.78	2.24
144	3.976	34.995	7.06	97.1	5.2	0.81	11.3	.18	4.20	1.88	2.23
198	3.872	35.042	6.91	94.8	5.9	0.86	12.9	.03	4.11	1.83	2.24
237	3.499	35.021	6.89	93.7	6.1	0.86	13.0	.05			
280	3.394	35.018	6.90	93.6	6.2	0.87	13.1	.05	4.20	1.87	2.25

DEPTH M	TEMP DEG C	POT TEMP DEG C	SALINITY	SIGMA 0	SIGMA 1	SIGMA 2	SIGMA 3	SP VOL CL/TON	DD DYN M	STABIL X 10E8	PRESS DB
5	6.714	6.714	35.002	27.460	31.989	36.417	40.746	61.2	0.1003	3.8	5
31	6.704	6.701	35.001	27.461	31.990	36.419	40.748	61.6	0.0843	580.9	31
55	5.910	5.905	35.044	27.600	32.148	36.594	40.942	48.8	0.0710	335.7	56
95	5.167	5.159	35.096	27.733	32.299	36.763	41.127	36.6	0.0542	115.8	96
144	3.976	3.966	34.995	27.786	32.384	36.878	41.272	31.9	0.0376	91.1	146
198	3.872	3.858	35.042	27.834	32.435	36.932	41.327	27.8	0.0215	58.8	200
237	3.499	3.483	35.021	27.855	32.466	36.973	41.378	26.0	0.0111	21.0	240
280	3.394	3.375	35.018	27.864	32.477	36.986	41.395	25.5	0.0000		283