



# RAPPORTSERIE

Nr. 28 - Oslo 1986

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Norwegian ice drift experiment  
Buoy drift data 1976-1979

**NORSK  
POLARINSTITUTT**

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## Norwegian ice drift experiment

### *Buoy drift data 1976-1979*

A Norwegian Ice Drift Experiment (ICEX) started in 1976 as part of a national contribution to the polar programmes under the Global Atmospheric Research Programme (GARP). The main aim of the experiment is to obtain information on an important climatic parameter: the export of ice from the Arctic Ocean through the Fram Strait. The project was re-organized in 1981, and became a joint programme between Norsk Polarinstitutt and Det norske meteorologiske institutt, also involving cooperation with the University of Washington's Arctic Ocean Buoy Program.

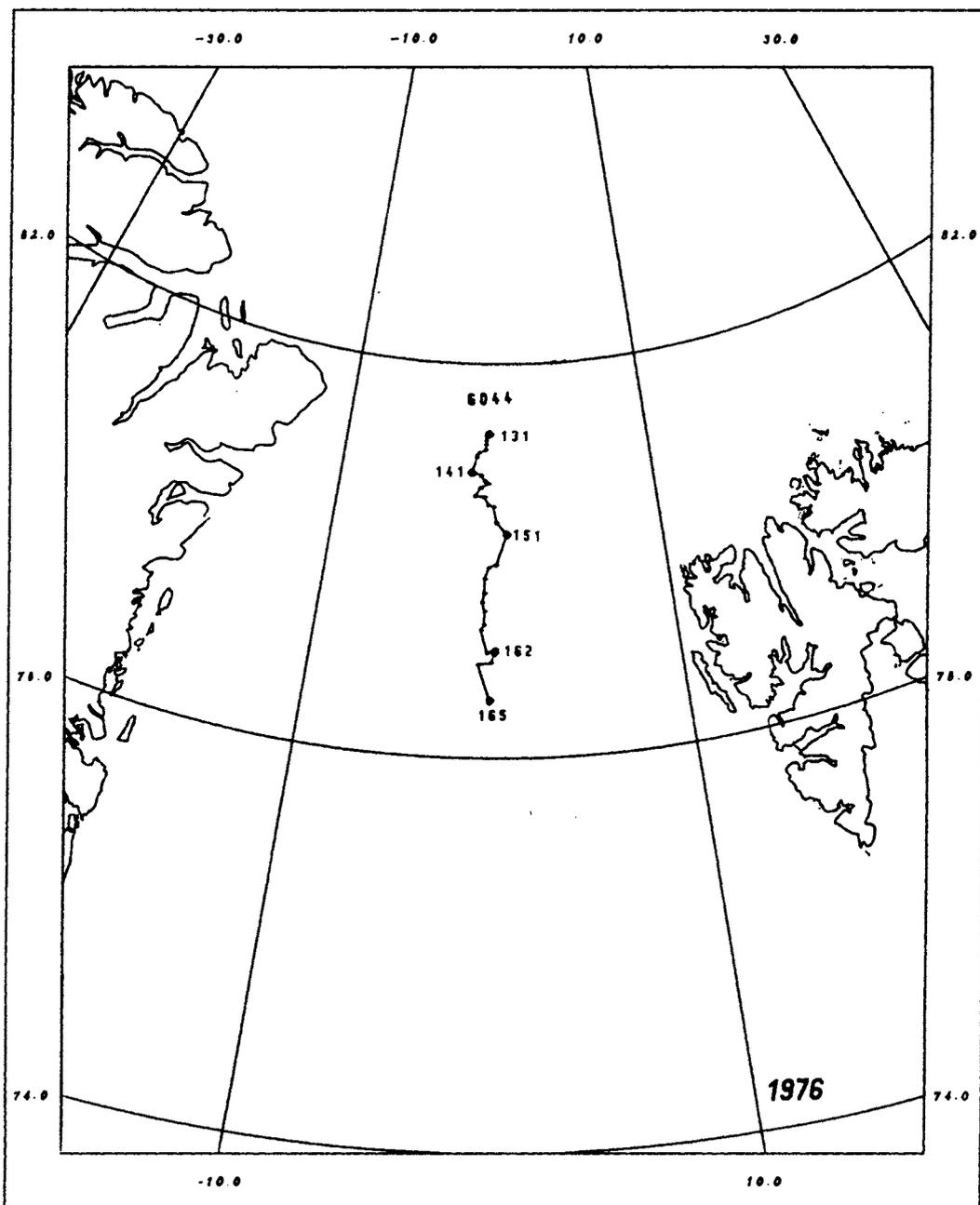
An ICEX measuring capsule has been developed in cooperation with Chr. Michelsens Institutt, Bergen, (Vinje & Steinbakke 1976, Nergaard et al. 1985). The capsule operates effectively in the marginal sea ice areas where it may be subject to frequent ridging and sporadic drift in water. The buoys were deployed from a boat in a pilot project in 1975, from a Cessna 185 aircraft landing on the ice in 1976 and 1977, and they have been air-dropped by the Norwegian Air Force from 1978 onwards. Since 1981 data from the Norwegian buoys have been included in the Arctic Ocean Buoy Program data reports edited by the Polar Science Center, University of Washington.

The present data report contains drift tracks and daily values of positions, air pressure (P) mb, air temperatures (TA) about 80 cm above the ice surface, and temperatures (TB) at the bottom of the ICEX capsule. The latter information indicates if the measuring capsule is on the ice or in the water. When free floating, (TB) gives the temperature about 40 cm below the sea surface. During the first five years of the experiment, the air pressure sensors were built at the Norwegian Meteorological Institute, based on an aneroid and a displacement transducer. Another Norwegian pressure transducer has been produced by Aanderaa Instruments. This is based on a silicon chip as sensing element. The Digiquarts pressure sensor from the US firm Paro Scientific has also been used since 1981. The sensor resolution is better than 0.1 mb, while the system resolution is 0.4 mb within the normal variation range of the meteorological variables. Series of comparisons in the field showed that the mean difference between the data obtained via Nimbus-6 and the readings on a test set was less than 0.1 mb (Vinje 1978). Later comparisons showed differences of about 1 mb (Vinje 1981). This was, however, well inside the FGGE requirements.

The temperature is measured with a radiation shielded thermistor. Fenwal UUA 32J3. The system resolution is 0.2°C. The ventilation of the sensor is dependent upon the wind speed, and the sensor signal is also dependent upon the heating of the capsule. A series of comparisons in the field showed that the temperatures were correct within  $\pm 0.1^\circ\text{C}$  during conditions with normal ventilation (Vinje 1981). A comparison on Fram III (Thorndike et al. 1982) during part of April 1981 indicated temperatures as much as 1°C-2°C too high during the warmest part of each day. Otherwise the daily cycle was well resolved and the temperature readings from the ICEX buoy agreed well with the met observer's data.

## References

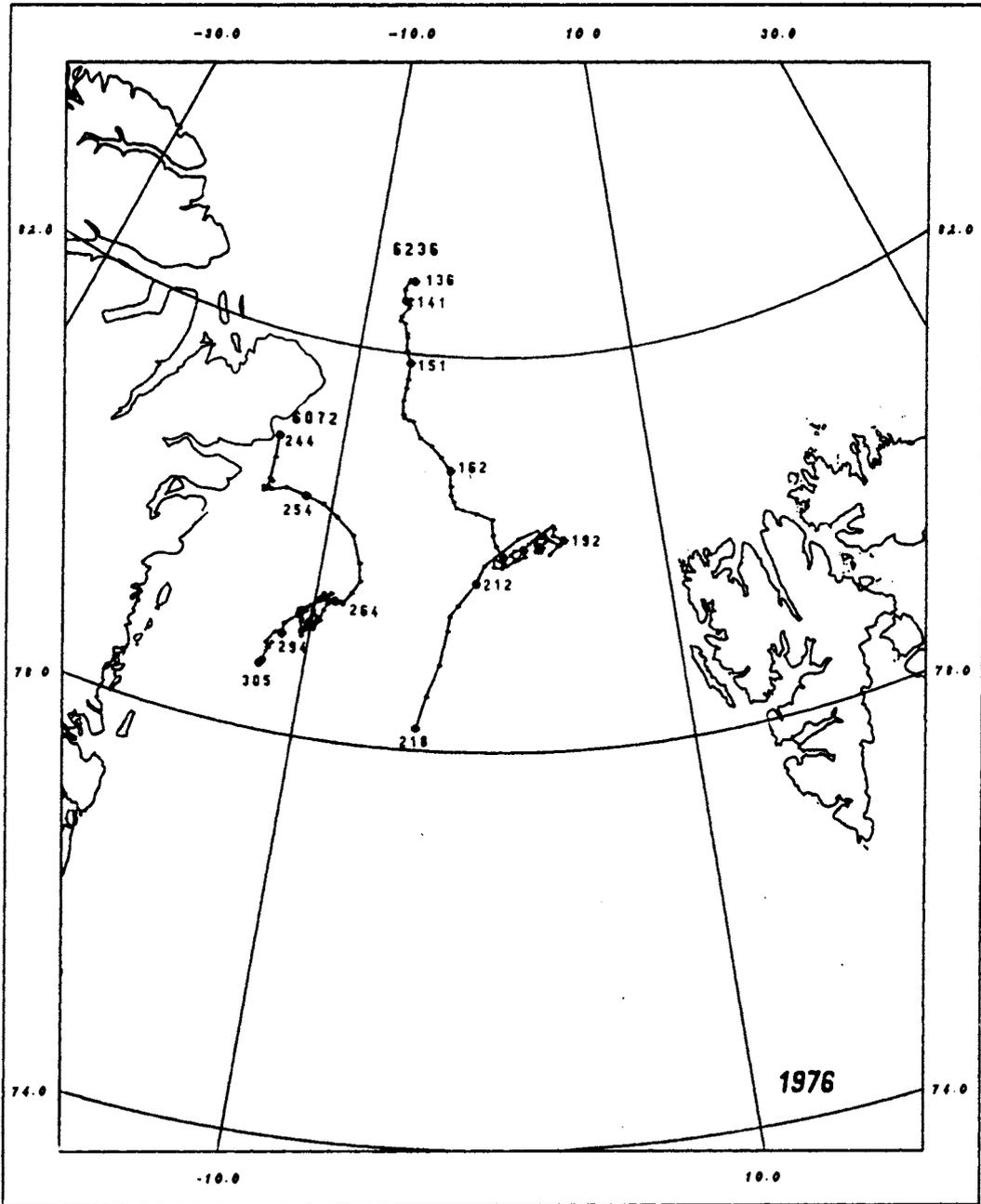
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Buoy: 6044

Year: 1976

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	T <sub>B</sub> (C)	
May	10	131	81.290	-.440				
	11	132	81.270	-.640				
	12	133	81.220	-.670				
	13	134	81.180	-.670				
	14	135	81.130	-.690				
	15	136	81.120	-.790				
	16	137	81.100	-1.100				
	17	138	81.050	-1.280				
	18	139	81.080	-1.260				
	19	140	81.060	-1.260				
	20	141	80.900	-1.560				
	21	142	80.870	-.960				
	22	143	80.810	-.680				
	23	144	80.790	-.500				
	24	145	80.740	-.990				
	25	146	80.660	-1.320				
	26	147	80.650	-.700				
	27	148	80.570	-.450				
	28	149	80.550	-.130				
	29	150	80.390	.060				
	30	151	80.270	.680				
	31	152	79.960	.070				
	June	1	153	79.930	-.390			
		2	154	79.820	-.610			
		3	155	79.670	-.610			
		4	156	79.580	-.710			
		5	157	79.490	-.570			
		6	158	79.350	-.600			
		7	159	79.300	-.750			
		8	160	79.070	-.400			
		9	161	79.110	.080			
10		162	79.080	.000				
11		163	78.970	-.180				
12		164	78.950	-.880				
13		165	78.590	-.230				



Buoy: 6072

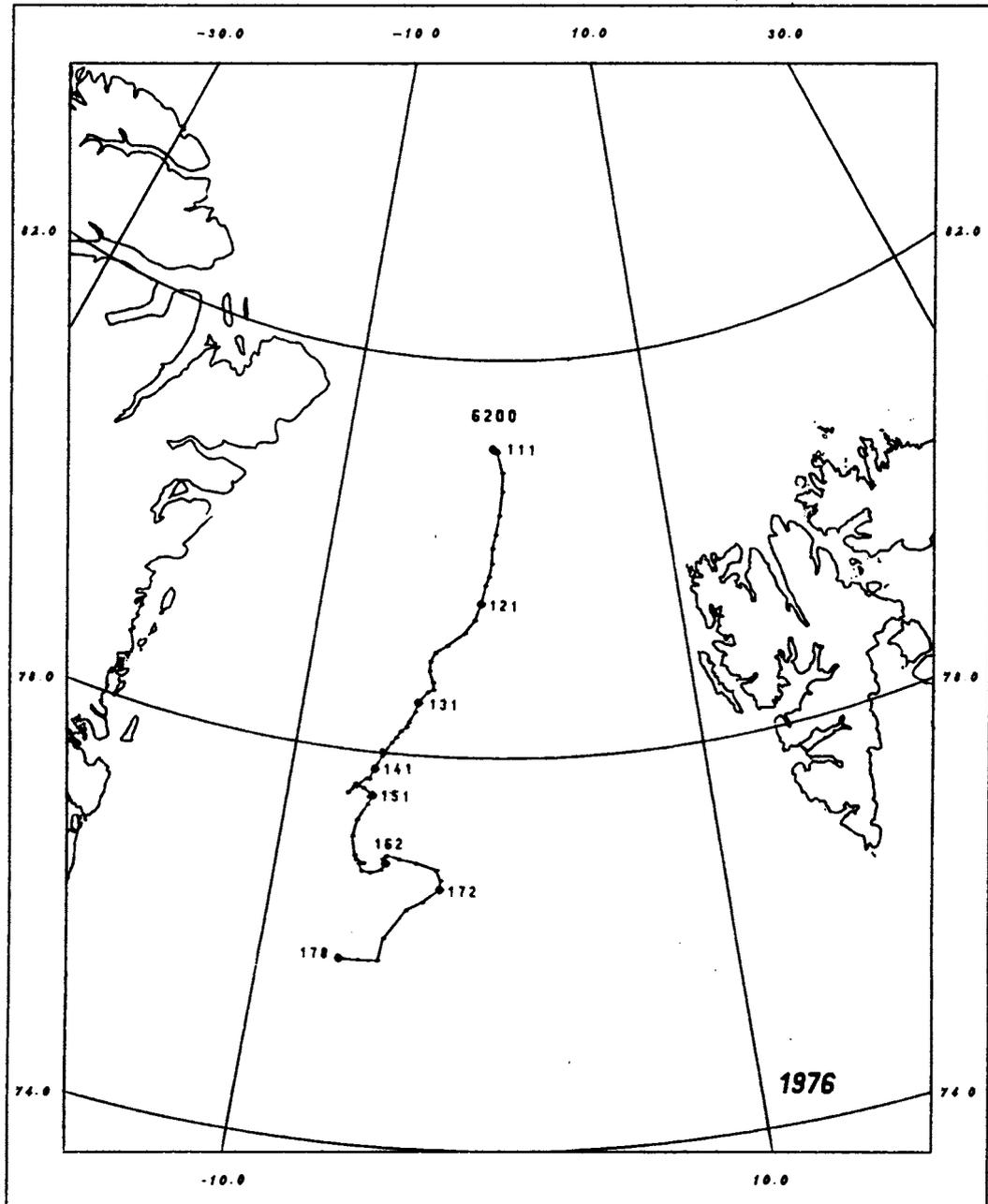
Year: 1976

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	T <sub>B</sub> (C)
Aug.	31	244	80.960	-14.180			
Sep.	1	245	80.730	-14.110			
	2	246	80.510	-14.110			
	3	247	80.490	-13.920			
	4	248	80.510	-14.070			
	5	249	80.430	-14.120			
	6	250	80.420	-14.370			
	7	251	80.380	-14.330			
	8	252	80.410	-13.840			
	9	253	80.460	-13.000			
	10	254	80.420	-11.680			
	11	255	80.370	-10.580			
	12	256	80.260	-9.580			
	13	257	80.100	-8.410			
	14	258	79.830	-7.850			
	15	259	79.650	-7.660			
	16	260	79.520	-8.040			
	17	261	79.400	-8.450			
	18	262	79.420	-8.600			
	19	263	79.410	-8.750			
	20	264	79.420	-8.900			
	21	265	79.420	-9.530			
	22	266	79.400	-9.280			
	23	267	79.400	-9.220			
	24	268	79.370	-9.330			
	25	269	79.310	-9.460			
	26	270	79.200	-9.600			
	27	271	79.110	-9.850			
	28	272	79.230	-9.750			
	29	273	79.290	-10.050			
	30	274	79.160	-10.130			
Oct.	1	275	79.160	-10.160			
	2	276	79.140	-10.300			
	3	277	79.060	-10.500			
	4	278	79.090	-10.270			
	5	279	79.020	-10.420			
	6	280	79.080	-10.490			
	7	281	79.160	-10.580			
	8	282	79.180	-10.570			
	9	283	79.280	-10.810			
	10	284	79.230	-10.730			
	11	285	79.290	-10.710			
	12	286	79.340	-10.170			
	13	287	79.400	-9.760			
	14	288	79.430	-9.330			
	15	289	79.490	-9.180			
	16	290	79.440	-9.560			
	17	291	79.480	-9.600			
	18	292	79.270	-10.430			
	19	293	79.110	-11.470			
	20	294	79.010	-11.470			
	21	295	79.040	-11.490			
	22	296	79.010	-11.860			
	23	297	78.890	-12.220			
	24	298	78.850	-12.030			
	25	299	78.900	-11.890			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
Oct.	26	300	78.840	-12.020			
	27	301	78.840	-12.070			
	28	302	78.800	-12.130			
	29	303	78.720	-12.190			
	30	304	78.670	-12.350			
	31	305	78.700	-12.230			

Buoy: 6236		Year: 1976					
Month	Day	Julian day	Lat (N)	Long (+E,-W)	P (mb)	TA (C)	TB (C)
May	15	136	82.740	-6.490			
	16	137	82.730	-6.860			
	17	138	82.720	-6.980			
	18	139	82.750	-6.900			
	19	140	82.640	-7.240			
	20	141	82.530	-7.020			
	21	142	82.550	-6.690			
	22	143	82.490	-6.680			
	23	144	82.460	-6.740			
	24	145	82.360	-7.230			
	25	146	82.320	-7.270			
	26	147	82.300	-6.880			
	27	148	82.200	-6.630			
	28	149	82.160	-6.600			
	29	150	82.030	-6.480			
	30	151	81.910	-6.120			
31	152	81.740	-6.190				
June	1	153	81.650	-6.220			
	2	154	81.520	-6.340			
	3	155	81.380	-6.250			
	4	156	81.350	-6.160			
	5	157	81.330	-5.790			
	6	158	81.320	-5.490			
	7	159	81.160	-4.960			
	8	160	81.090	-4.170			
	9	161	80.980	-3.470			
	10	162	80.850	-2.810			
	11	163	80.690	-2.730			
	12	164	80.600	-2.700			
	13	165	80.530	-2.500			
	14	166	80.470	-2.330			
	15	167	80.450	-1.910			
	16	168	80.420	-1.080			
17	169	80.360	-.090				
18	170	80.200	-.040				
19	171	80.090	.140				
20	172	79.980	.580				
21	173	79.920	.590				
22	174	79.870	.480				
23	175	79.880	.010				
24	176	79.970	.070				
25	177	79.890	.740				
26	178	79.940	1.230				
27	179	79.950	1.410				
28	180	79.960	1.470				
29	181	79.980	1.830				
30	182	80.050	1.770				
July	1	183	80.040	1.210			
	2	184	80.000	1.010			
	3	185	79.950	1.350			
	4	186	80.110	2.080			
	5	187	80.140	2.320			
	6	188	80.200	2.780			
	7	189	80.280	3.570			
	8	190	80.250	3.650			
	9	191	80.180	3.560			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
July	10	192	80.130	4.190			
	11	193	80.070	3.800			
	12	194	79.990	3.300			
	13	195	80.080	3.910			
	14	196	80.160	3.170			
	15	197	80.170	2.630			
	16	198	80.030	2.460			
	17	199	80.020	2.760			
	18	200	80.110	2.490			
	19	201	80.020	2.650			
	20	202	80.070	2.830			
	21	203	80.090	2.490			
	22	204	80.050	2.700			
	23	205	80.120	3.060			
	24	206	80.140	3.300			
	25	207	80.200	3.050			
	26	208	80.240	2.620			
	27	209	80.160	1.460			
	28	210	80.020	.410			
	29	211	79.890	-.550			
	30	212	79.710	-.990			
	31	213	79.480	-1.980			
Aug.	1	214	79.370	-2.410			
	2	215	79.220	-2.480			
	3	216	78.870	-2.850			
	4	217	78.550	-3.430			
	5	218	78.230	-3.860			

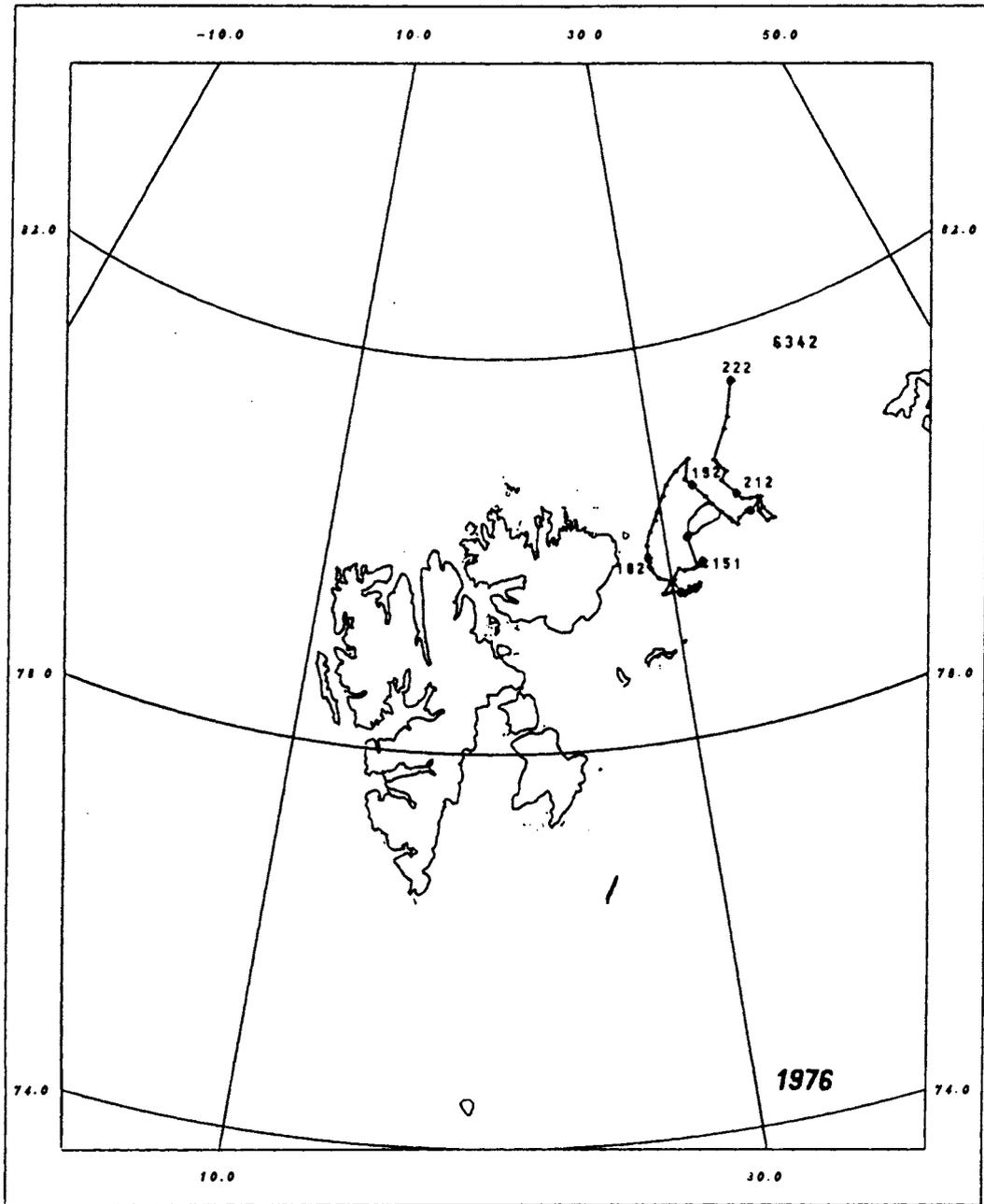


Buoy: 6200

Year: 1976

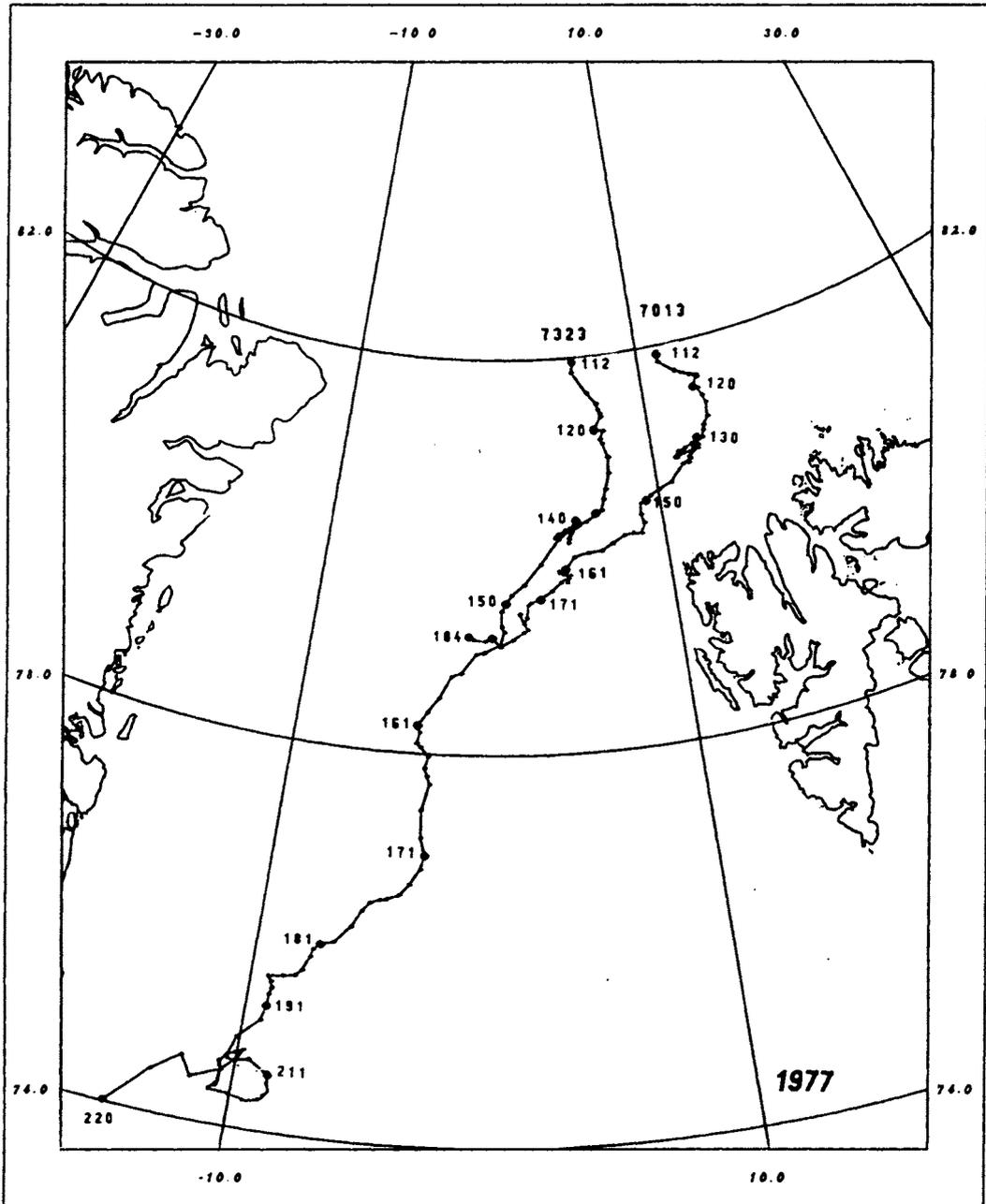
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
April	19	110	81.110	-.490			
	20	111	81.090	-.310			
	21	112	81.070	-.180			
	22	113	80.870	.130			
	23	114	80.680	.110			
	24	115	80.440	-.050			
	25	116	80.250	-.270			
	26	117	80.110	-.470			
	27	118	79.960	-.490			
	28	119	79.830	-.640			
	29	120	79.740	-.840			
30	121	79.560	-1.060				
May	1	122	79.390	-1.400			
	2	123	79.260	-1.910			
	3	124	79.130	-2.830			
	4	125	79.050	-3.450			
	5	126	78.960	-3.680			
	6	127	78.870	-3.700			
	7	128	78.750	-3.460			
	8	129	78.680	-3.420			
	9	130	78.650	-3.720			
	10	131	78.540	-4.160			
	11	132	78.440	-4.280			
	12	133	78.330	-4.560			
	13	134	78.280	-4.660			
	14	135	78.230	-4.940			
	15	136	78.170	-5.110			
	16	137	78.110	-5.320			
	17	138	77.990	-5.670			
	18	139	78.030	-5.760			
	19	140	77.970	-5.720			
	20	141	77.840	-5.990			
	21	142	77.810	-6.100			
22	143	77.730	-6.210				
23	144	77.730	-6.360				
24	145	77.640	-6.800				
25	146	77.570	-7.150				
26	147	77.670	-6.840				
27	148	77.630	-6.440				
28	149	77.560	-5.920				
29	150	77.550	-6.150				
30	151	77.570	-5.960				
31	152	77.470	-6.170				
June	1	153	77.310	-6.580			
	2	154	77.140	-6.690			
	3	155	76.950	-6.490			
	4	156	76.910	-6.410			
	5	157	76.880	-6.060			
	6	158	76.870	-6.260			
	7	159	76.800	-6.100			
	8	160	76.790	-5.730			
	9	161	76.830	-5.250			
	10	162	76.900	-5.070			
	11	163	76.880	-5.030			
	12	164	76.940	-5.220			
	13	165	76.970	-5.100			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	14	166	76.970	-5.020			
	15	167	76.980	-5.020			
	16	168	76.950	-4.500			
	17	169	76.920	-3.710			
	18	170	76.860	-2.790			
	19	171	76.760	-2.560			
	20	172	76.670	-2.590			
	21	173	76.530	-3.340			
	22	174	76.440	-4.020			
	23	175	76.130	-4.880			
	24	176	75.900	-5.030			
	25	177	75.890	-5.850			
	26	178	75.890	-6.650			



Buoy: 6342		Year: 1976					
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
May	27	148	80.030	31.390			
	28	149	-	-			
	29	150	79.730	31.650			
	30	151	79.760	32.010			
	31	152	79.700	32.110			
June	1	153	79.710	31.910			
	2	154	79.700	31.370			
	3	155	79.700	30.850			
	4	156	79.730	30.560			
	5	157	79.630	30.170			
	6	158	79.590	29.910			
	7	159	79.500	29.470			
	8	160	79.500	29.660			
	9	161	79.510	29.960			
	10	162	79.490	30.450			
	12	164	79.490	30.690			
	13	165	79.470	30.920			
	14	166	79.480	30.770			
	15	167	79.530	30.970			
	16	168	79.510	30.990			
	17	169	79.530	31.280			
	18	170	79.550	31.600			
	19	171	79.510	31.530			
	20	172	79.500	31.260			
	21	173	79.450	30.640			
	22	174	79.620	30.060			
23	175	79.670	29.320				
24	176	79.770	28.970				
25	177	79.790	28.930				
26	178	79.800	28.850				
27	179	79.840	28.950				
28	180	79.860	28.900				
29	181	79.860	28.850				
29	181	79.860	28.870				
30	182	79.890	28.930				
July	1	183	80.010	28.920			
	2	184	80.140	29.220			
	3	185	80.250	29.620			
	4	186	80.330	29.830			
	5	187	80.480	30.330			
	6	188	80.580	30.640			
	7	189	80.700	31.360			
	8	190	80.800	32.310			
	9	191	80.600	31.860			
	10	192	80.530	32.250			
	11	193	80.390	32.880			
	12	194	80.300	33.200			
	13	195	80.200	33.620			
	14	196	80.120	34.020			
15	197	80.080	34.150				
16	198	-	-				
17	199	80.040	34.430				
18	200	80.100	34.600				
19	201	80.150	35.110				
20	202	80.140	35.340				
21	203	80.210	36.000				

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	Tθ (C)
July	22	204	80.250	36.150			
	23	205	80.140	36.080			
	24	206	80.010	36.590			
	25	207	80.000	36.140			
	26	208	80.120	35.810			
	27	209	80.260	35.950			
	28	210	80.260	35.510			
	29	211	80.280	35.050			
	30	212	80.350	34.780			
	31	213	80.510	34.060			
	Aug.	1	214	80.590	34.470		
2		215	80.730	33.890			
3		216	-	-			
4		217	-	-			
5		218	-	-			
6		219	81.010	34.990			
7		220	81.120	35.370			
8		221	-	-			
9		222	81.460	36.260			



Buoy: 7013

Year: 1977

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
April	22	112	81.910	11.530		-24.3	-19.3
	23	113	81.830	11.500		-20.4	-17.9
	24	114	81.710	12.530		-17.5	-16.1
	25	115	81.640	13.490		-19.0	-16.5
	26	116	81.620	13.880		-19.0	-14.9
	27	117	81.600	13.960		-18.6	-14.5
	28	118	81.600	13.990		-15.4	-14.2
	29	119	81.620	13.970		-14.7	-12.7
	30	120	81.510	13.550		-16.3	-12.9
	May	1	121	81.510	13.410		-16.1
2		122	81.490	13.860			
3		123	81.490	13.800			
4		124	81.410	14.050			
5		125	81.330	14.200			
6		126	81.190	14.060			
7		127	81.110	13.690			
8		128	81.060	13.610			
9		129	80.990	13.450		-8.3	-2.6
10		130	81.000	13.100		-10.4	-2.4
11		131	80.980	13.050		-12.2	-2.4
12		132	80.950	12.640		-9.2	-2.6
13		133	80.920	12.160		-10.8	-2.6
14		134	80.900	11.710		-6.9	-2.8
15		135	80.850	11.420		-9.0	-2.8
16		136	80.850	11.440		-5.4	-2.9
17		137	80.840	11.540		-6.3	-2.9
18		138	80.880	11.990		-.5	-2.9
19		139	80.880	12.640		-6.0	-2.9
20		140	80.930	12.860		-.5	-2.4
21		141	80.930	13.070		-5.3	-2.2
22		142	80.890	13.010		-4.9	-1.9
23		143	80.830	12.340		-8.5	-1.9
24		144	80.770	12.250		-6.2	-1.7
25		145	80.810	12.420		-.8	-1.7
26		146	80.770	11.870		-.3	-1.7
27		147	80.610	10.910		-1.2	-1.7
28		148	80.560	10.100		-4.9	-1.5
29		149	80.510	9.520		-7.8	-1.7
30		150	80.470	9.210		-7.6	-1.9
31		151	80.450	8.840		-10.2	-2.1
June	1	152	80.340	8.780		-9.9	-2.1
	2	153	80.250	8.910		-6.3	-2.1
	3	154	80.150	8.680		-2.2	-1.7
	4	155	80.160	8.160		-2.8	-1.7
	5	156	80.150	7.610		-2.9	-1.7
	6	157	80.080	6.820		-2.9	-1.7
	7	158	80.020	6.220		-2.1	-1.9
	8	159	80.010	5.380		-3.3	-1.7
	9	160	79.980	4.550		-2.8	-1.9
	10	161	79.860	3.990		-1.5	-1.7
	11	162	79.830	3.650		.4	-1.9
	12	163	79.850	3.590		.4	-1.5
	13	164	79.810	3.870		-1.9	-1.5
	14	165	79.800	4.090		1.7	-1.9
	15	166	79.730	4.050		.3	-1.9
	16	167	79.770	4.180		-.1	-1.7

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	17	168	79.800	4.300		1.3	-1.7
	18	169	79.730	3.680		-1.0	-1.9
	19	170	79.650	3.120		-.6	-1.9
	20	171	79.570	2.500		-.6	-2.2
	21	172	79.540	1.940		-.6	-2.1
	22	173	79.520	1.790		-1.3	-2.1
	23	174	79.390	1.710		-.8	-2.1
	24	175	79.330	1.530			
	25	176	79.430	1.310			
	26	177	79.270	1.730			
	27	178	79.240	1.500			
	28	179	79.170	.920			
	29	180	79.100	.220			
	30	181	79.190	-.220			
July	1	182	79.160	-.580			
	2	183	79.170	-1.220			
	3	184	79.200	-1.470			

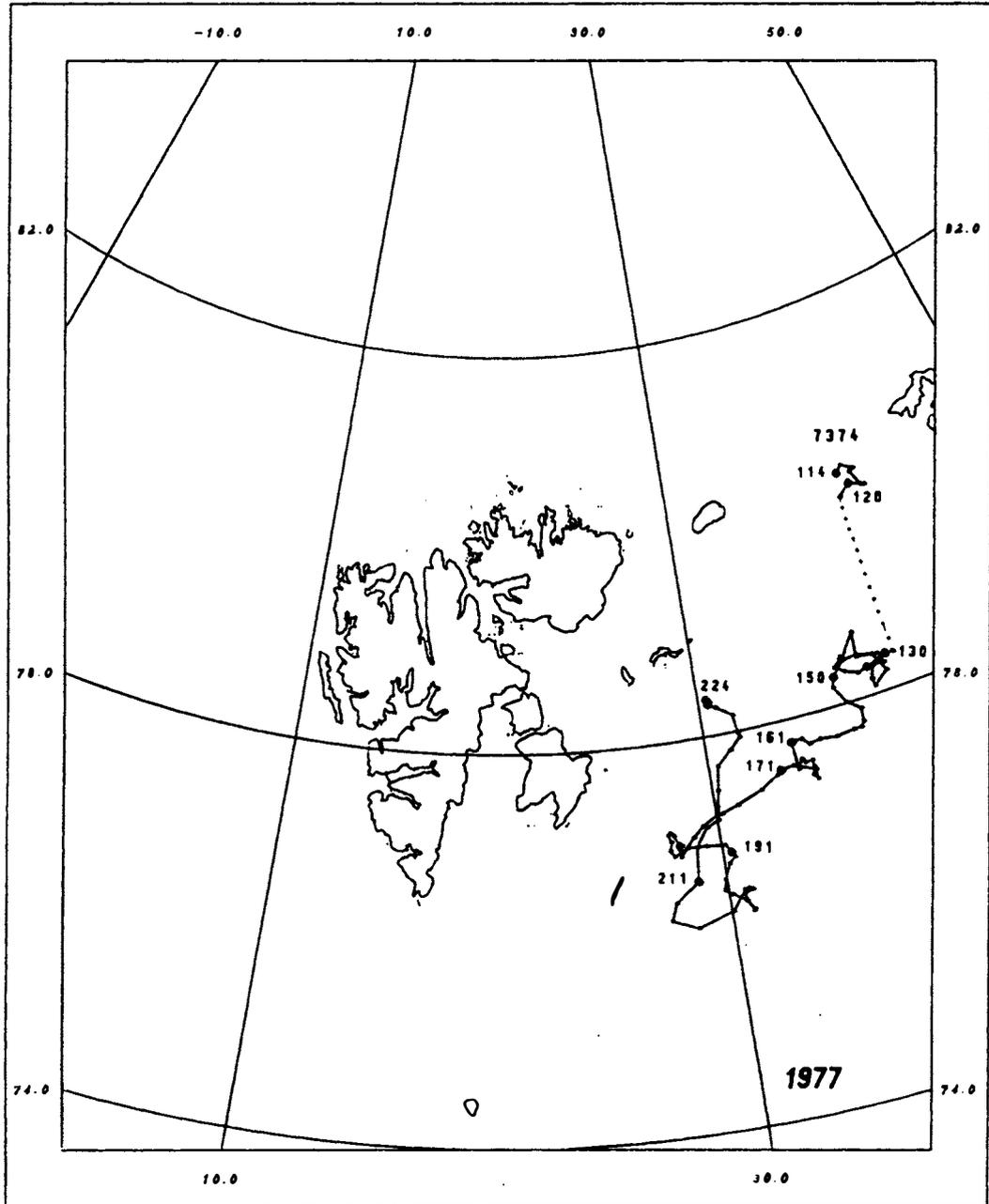
Buoy: 7323

Year: 1977

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
April	22	112	81.960	5.320			
	23	113	81.850	5.210			
	24	114	81.630	6.130			
	25	115	81.510	6.750			
	26	116	81.450	6.810			
	27	117	81.410	6.920			
	28	118	81.380	6.940			
	29	119	81.370	6.900			
	30	120	81.250	6.420			
	May	1	121	81.250	6.410		
2		122	81.230	7.000			
3		123	81.150	6.730			
4		124	81.100	6.870			
5		125	80.960	7.120			
6		126	80.800	7.040			
7		127	80.640	6.750			
8		128	80.540	6.560			
9		129	80.430	6.380			
10		130	80.410	6.020			
11		131	80.380	5.860			
12		132	80.330	5.380			
13		133	80.300	4.730			
14		134	80.250	4.150			
15		135	80.220	3.620			
16		136	80.190	3.440			
17		137	80.190	3.610			
18		138	80.260	4.070			
19		139	80.280	4.400			
20		140	80.350	4.760			
21		141	80.300	4.940			
22		142	80.280	4.750			
23		143	80.170	4.260			
24		144	80.130	4.220			
25		145	80.260	4.380			
26		146	80.170	3.640			
27		147	79.920	2.520			
28		148	79.720	1.530			
29		149	79.620	.810			
30		150	79.540	.490			
31		151	79.460	.250			
June	1	152	79.300	.260			
	2	153	79.250	.390			
	3	154	79.120	.190			
	4	155	79.040	-.690			
	5	156	79.020	-1.100			
	6	157	78.830	-1.870			
	7	158	78.790	-2.380			
	8	159	78.570	-2.970			
	9	160	78.420	-3.520			
	10	161	78.290	-3.950			
	11	162	78.220	-3.810			
	12	163	78.110	-3.940			
	13	164	78.070	-3.720			
	14	165	77.980	-3.330			
	15	166	77.860	-3.470			
	16	167	77.780	-3.330			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	17	168	77.700	-3.180			
	18	169	77.440	-3.500			
	19	170	77.160	-3.450			
	20	171	76.980	-3.210			
	21	172	76.840	-3.380			
	22	173	76.680	-3.820			
	23	174	76.570	-4.220			
	24	175	76.520	-4.760			
	25	176	76.510	-5.050			
	26	177	76.470	-5.460			
	27	178	76.380	-5.780			
	28	179	76.210	-6.160			
	29	180	76.030	-6.790			
30	181	75.990	-7.350				
July	1	182	75.930	-7.630			
	2	183	75.850	-7.710			
	3	184	75.700	-7.980			
	4	185	75.640	-8.230			
	5	186	75.620	-8.700			
	6	187	75.600	-9.310			
	7	188	75.540	-9.150			
	8	189	75.480	-9.070			
	9	190	75.410	-9.160			
	10	191	75.290	-9.170			
	11	192	75.130	-9.330			
	12	193	74.930	-10.130			
	13	194	74.700	-10.390			
	14	195	74.680	-10.030			
	15	196	74.810	-9.770			
	16	197	74.770	-10.080			
	17	198	74.740	-10.360			
	18	199	74.660	-10.610			
	19	200	-	-			
	20	201	-	-			
	21	202	74.400	-10.620			
	22	203	74.360	-10.820			
	23	204	74.320	-9.950			
	24	205	74.310	-9.430			
	25	206	74.350	-8.990			
	26	207	74.390	-8.720			
	27	208	74.440	-8.610			
	28	209	74.450	-8.620			
	29	210	74.510	-8.730			
	30	211	74.590	-8.690			
	31	212	74.580	-8.800			
Aug.	1	213	74.620	-8.860			
	2	214	74.720	-9.530			
	3	215	74.690	-10.070			
	4	216	74.570	-10.510			
	5	217	74.450	-11.620			
	6	218	74.650	-12.090			
	7	219	74.440	-13.150			
	8	220	74.020	-14.590			
	9	221	73.470	-15.060			
	10	222	73.380	-13.970			
	11	223	73.300	-13.660			
	12	224	73.250	-14.430			
	13	225	73.270	-14.300			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
Aug.	14	226	73.420	-13.630			
	15	227	73.530	-13.550			
	16	228	73.710	-13.020			
	17	229	73.840	-12.920			
	18	230	73.940	-12.620			
	19	231	74.000	-12.350			
	20	232	73.920	-12.520			
	21	233	73.610	-12.280			
	22	234	73.340	-12.220			
	23	235	73.120	-12.110			
	24	236	72.990	-11.850			
	25	237	72.760	-11.700			
	26	238	-	-			
	27	239	72.410	-11.770			
	28	240	-	-			
	29	241	72.390	-12.340			
	30	242	72.150	-13.090			

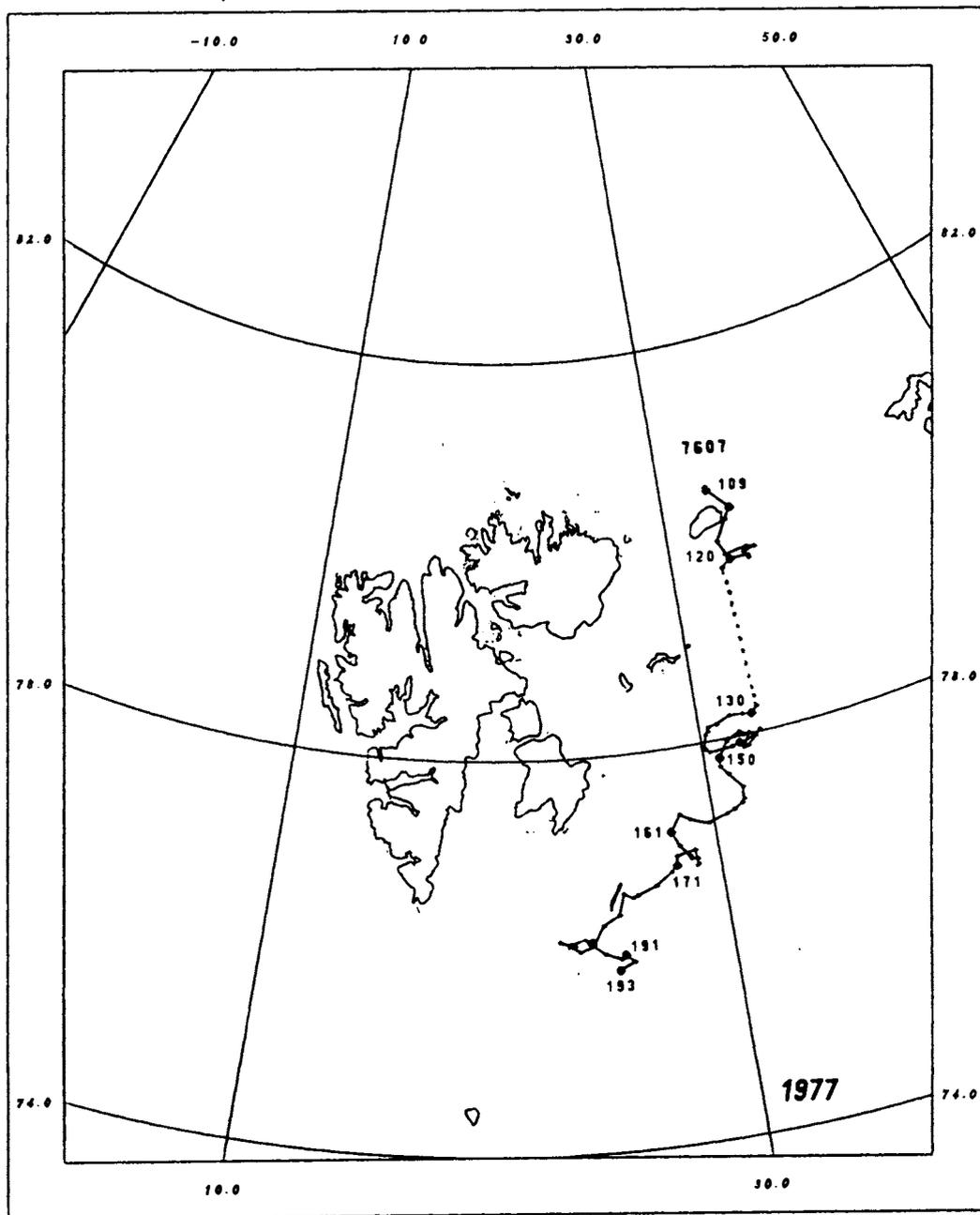


Buoy: 7374

Year: 1977

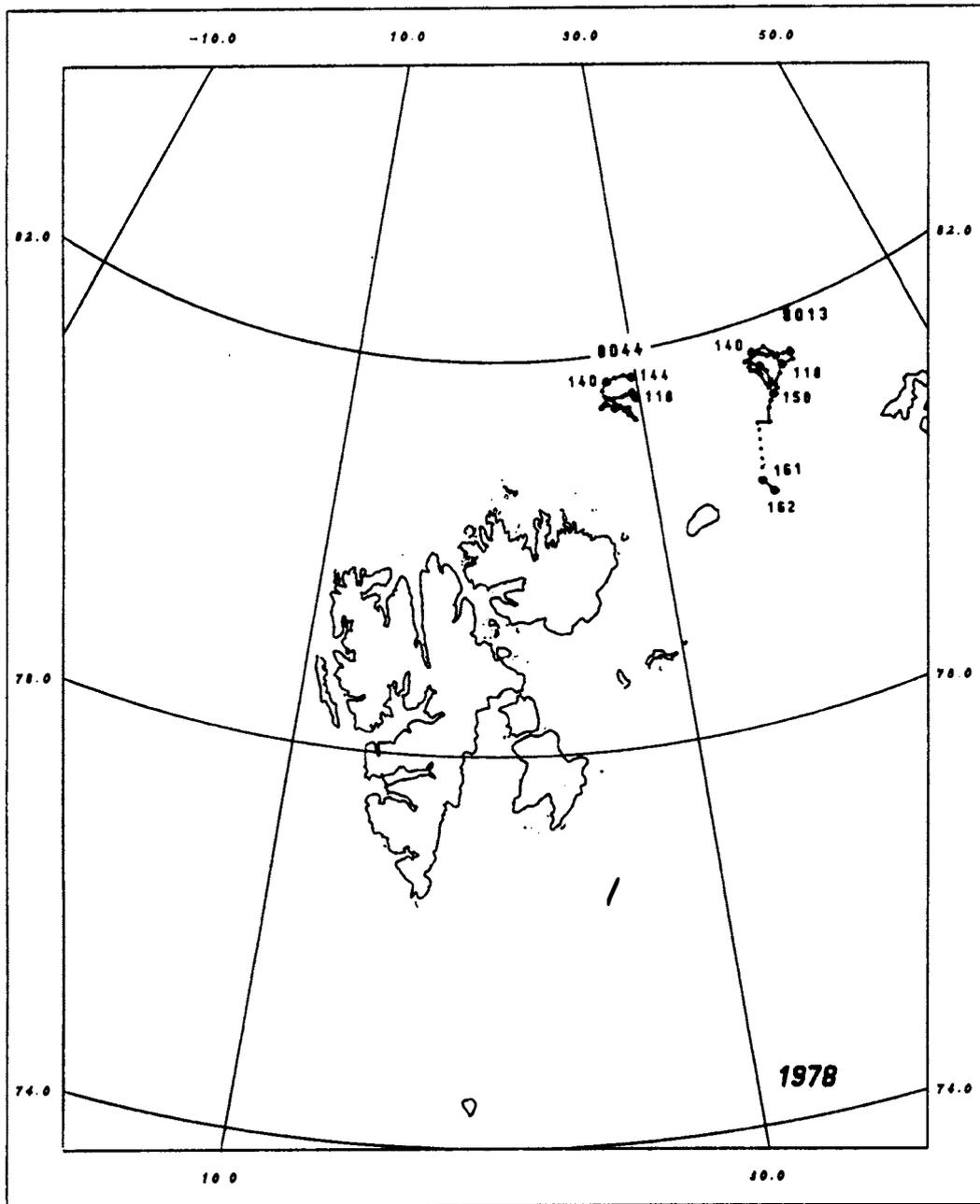
Month	Day	Julian day	Lat (N)	Long (+E,-W)	P (mb)	TA (C)	TB (C)
April	24	114	80.240	40.590			
	25	115	80.300	40.950			
	26	116	80.230	41.620			
	27	117	80.210	41.350			
	28	118	80.050	41.740			
	29	119	80.040	41.930			
	30	120	80.100	41.060			
May	1	121	80.000	40.310			
	2	122	-	-			
	3	123	-	-			
	4	124	-	-			
	5	125	-	-			
	6	126	-	-			
	7	127	-	-			
	8	128	-	-			
	9	129	78.350	40.240			
	10	130	78.360	39.840			
	11	131	78.390	39.410			
	12	132	78.420	38.390			
	13	133	78.670	38.530			
	14	134	78.450	37.680			
	15	135	78.470	37.590			
	16	136	78.450	37.520			
	17	137	78.380	37.160			
	18	138	78.310	37.610			
	19	139	78.260	38.230			
	20	140	78.290	38.760			
	21	141	78.340	39.510			
	22	142	78.280	39.640			
	23	143	78.290	39.070			
	24	144	78.160	38.820			
	25	145	78.080	38.880			
	26	146	78.200	39.640			
	27	147	78.400	39.180			
	28	148	78.440	38.390			
	29	149	78.420	37.590			
	30	150	78.290	36.990			
	31	151	78.190	36.830			
June	1	152	78.010	37.270			
	2	153	77.910	37.880			
	3	154	77.780	37.820			
	4	155	77.730	37.640			
	5	156	77.730	37.270			
	6	157	77.710	36.370			
	7	158	77.730	35.570			
	8	159	77.710	35.020			
	9	160	77.780	34.710			
	10	161	77.770	34.200			
	11	162	77.490	34.270			
	12	163	77.580	34.500			
	13	164	77.540	34.640			
	14	165	77.550	34.990			
	15	166	77.480	34.990			
	16	167	77.400	34.850			
	17	168	77.350	35.020			
	18	169	77.450	35.040			
	19	170	77.540	34.040			
	20	171	77.520	33.410			
	21	172	77.480	33.180			
	22	173	77.370	32.320			
	23	174	77.270	31.130			
	24	175	77.210	30.320			
	25	176	77.210	30.110			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	26	177	77.120	29.370			
	27	178	77.020	28.880			
	28	179	76.850	28.210			
	29	180	76.960	28.160			
	30	181	76.960	28.220			
July	1	182	77.070	28.000			
	2	183	77.100	27.860			
	3	184	77.080	27.750			
	4	185	77.010	27.850			
	5	186	76.920	27.760			
	6	187	76.860	27.940			
	7	188	76.930	28.540			
	8	189	76.920	29.380			
	9	190	76.900	30.220			
	10	191	76.820	30.450			
	11	192	76.770	30.580			
	12	193	76.710	30.270			
	13	194	76.560	29.990			
	14	195	76.450	29.890			
	15	196	76.400	30.210			
	16	197	76.320	30.740			
	17	198	76.220	31.050			
	18	199	76.210	31.000			
	19	200	-	-			
	20	201	-	-			
	21	202	-	-			
	22	203	76.390	30.710			
	23	204	76.420	31.100			
	24	205	76.440	30.950			
	25	206	76.430	30.750			
	26	207	76.230	30.120			
	27	208	76.110	28.550			
	28	209	76.220	27.490			
	29	210	76.400	27.760			
	30	211	76.580	28.820			
	31	212	76.920	28.960			
Aug.	1	213	77.100	29.540			
	2	214	77.160	30.110			
	3	215	77.450	30.330			
	4	216	77.690	30.500			
	5	217	77.830	31.260			
	6	218	77.940	31.800			
	7	219	77.990	31.760			
	8	220	78.170	31.660			
	9	221	78.280	30.900			
	10	222	78.320	30.530			
	11	223	78.340	30.640			
	12	224	78.370	30.490			



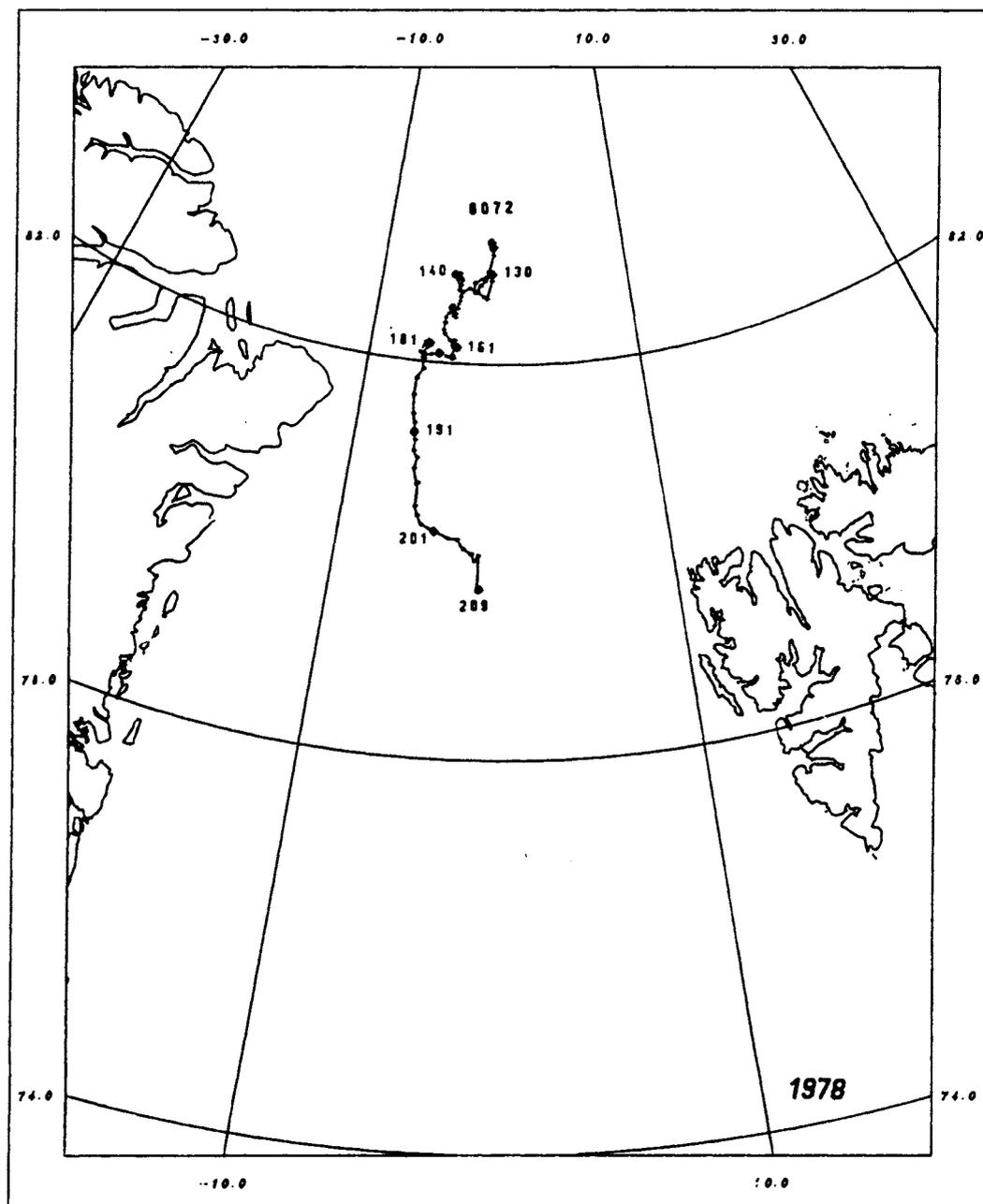
Buoy: 7607		Year: 1977					
Month	Day	Julian day	Lat (N)	Long (+E,-W)	P (mb)	TA (C)	TB (C)
April	19	109	80.490	32.970		-15.8	-15.5
	20	110	80.270	34.100		-15.8	-16.2
	21	111	80.160	33.650		-23.9	-19.7
	22	112	79.960	32.950		-21.6	-19.4
	23	113	79.790	33.370		-19.0	-17.6
	24	114	79.820	33.210		-15.8	-16.7
	25	115	79.850	34.510			
	26	116	79.830	34.960			
	27	117	79.800	34.280			
	28	118	79.730	34.490			
	29	119	79.760	34.490			
	30	120	79.760	33.430			
May	1	121	79.690	32.890			
	2	122	-	-			
	3	123	-	-			
	4	124	-	-			
	5	125	-	-			
	6	126	-	-			
	7	127	-	-			
	8	128	-	-			
	9	129	78.260	33.090			
	10	130	78.200	32.780			
	11	131	78.210	32.300			
	12	132	78.220	31.630			
	13	133	78.160	30.940			
	14	134	78.140	30.490			
	15	135	78.100	30.460			
	16	136	78.070	30.310			
	17	137	77.930	30.180			
	18	138	77.890	30.400			
	19	139	77.910	31.490			
	20	140	77.930	31.910			
	21	141	77.970	32.700			
22	142	-	-				
23	143	78.020	32.440				
24	144	77.880	32.080				
25	145	77.890	32.310				
26	146	78.020	33.000				
27	147	77.990	32.720				
28	148	78.040	31.960				
29	149	77.970	31.280				
30	150	77.820	30.810				
31	151	77.730	30.760				
June	1	152	77.640	31.080			
	2	153	77.490	31.620			
	3	154	77.370	31.580			
	4	155	77.330	31.450			
	5	156	77.280	31.040			
	6	157	77.250	30.650			
	7	158	77.190	29.780			
	8	159	77.260	28.930			
	9	160	77.320	28.490			
	10	161	77.160	28.000			
	11	162	77.010	28.310			
	12	163	76.900	28.690			
	13	164	76.870	28.760			
	14	165	76.860	29.030			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	15	166	76.800	29.040			
	16	167	76.790	28.940			
	17	168	76.810	29.020			
	18	169	76.950	28.960			
	19	170	76.910	28.110			
	20	171	76.820	28.070			
	21	172	76.760	27.790			
	22	173	76.640	27.040			
	23	174	76.570	26.190			
	24	175	76.550	25.980			
	25	176	76.600	25.580			
	26	177	76.390	25.290			
	27	178	76.290	24.580			
	28	179	76.120	24.120			
29	180	76.160	24.080				
30	181	76.140	24.020				
July	1	182	76.170	23.750			
	2	183	76.130	23.130			
	3	184	76.160	22.690			
	4	185	76.110	23.330			
	5	186	76.110	23.080			
	6	187	76.050	23.520			
	7	188	76.100	24.110			
	8	189	76.010	24.580			
	9	190	75.950	25.240			
	10	191	75.990	25.430			
	11	192	75.910	25.770			
	12	193	75.840	25.150			



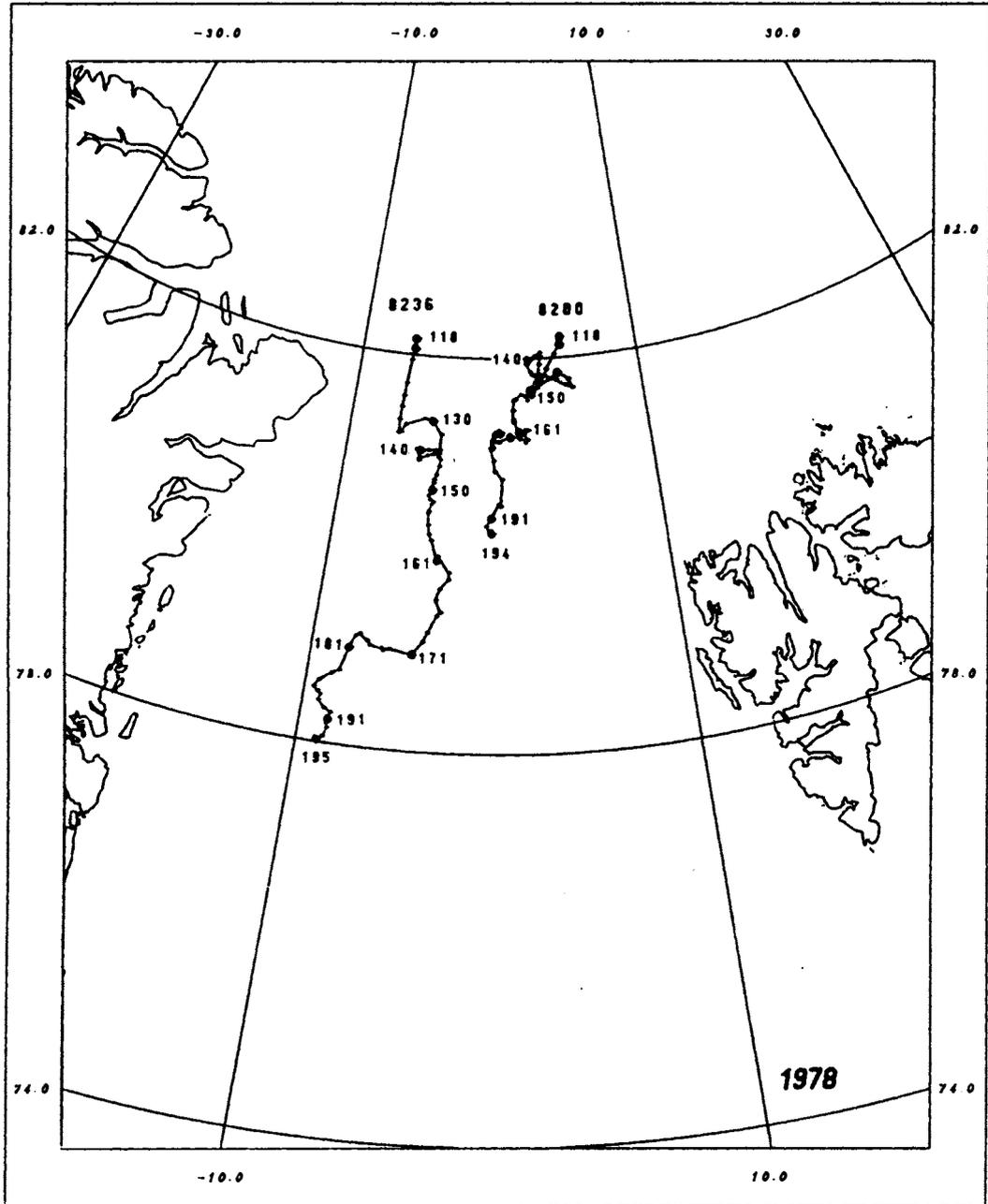
Buoy: 8013		Year: 1978					
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	T8 (C)
April	28	118	81.470	40.160			
	29	119	81.480	40.960		-8.4	
	30	120	81.560	40.980		-11.0	
May	1	121	81.570	40.520		-9.9	
	2	122	81.580	40.030		-9.7	
	3	123	81.600	39.350		-7.7	
	4	124	81.630	39.070		-6.1	
	5	125	81.650	38.830		-6.9	
	6	126	81.610	37.890		-3.8	
	7	127	81.610	37.750		-4.2	
	8	128	81.610	37.750		-2.0	
	9	129	81.580	38.120		-3.2	
	10	130	81.520	38.660		-.4	
	11	131	81.460	38.970		-.4	
	12	132	81.360	39.020		-3.3	
	13	133	81.310	38.900		-3.0	
	14	134	81.290	38.750		-3.7	
	15	135	81.340	38.660		-4.2	
	16	136	81.450	38.490		-3.3	
	17	137	81.500	38.130		-1.9	
	18	138	81.510	37.940		-.9	
	19	139	81.550	37.900		-.6	
	20	140	81.680	38.420		-.1	
	21	141	81.680	38.840		1.2	
	22	142	81.700	39.230		1.4	
	23	143	81.610	39.750		.6	
	24	144	81.560	39.840		.9	
	25	145	81.560	39.940		1.6	
	26	146	81.470	40.020		.1	
	27	147	81.390	39.760		-1.7	
	28	148	81.310	39.230		-2.0	
	29	149	81.260	39.270		-1.1	
	30	150	81.220	38.980		-2.0	
	31	151	81.160	38.600		-1.7	
June	1	152	81.100	38.340		-2.4	
	2	153	80.960	38.110		-2.4	
	3	154	-	-			
	4	155	80.990	37.380		-1.5	
	5	156	-	-			
	6	157	-	-			
	7	158	-	-			
	8	159	-	-			
	9	160	-	-			
	10	161	80.420	36.700		-1.1	
	11	162	80.280	37.220		-1.1	

Buoy: 8044		Year: 1978					
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	T8 (C)
April	28	118	81.530	29.830			
	29	119	81.540	29.900	1027.2	-7.8	
	30	120	81.580	29.620	1020.7	-10.5	
May	1	121	81.570	29.140	1015.6	-12.0	
	2	122	81.560	28.860	1016.3	-10.7	
	3	123	81.550	28.250	1015.9	-8.6	
	4	124	81.560	27.950	1016.0	-10.4	
	5	125	81.560	27.830	1018.9	-8.2	
	6	126	81.480	27.310	1021.9	-7.6	
	7	127	81.470	27.330	1033.4	-5.0	
	8	128	81.480	27.380	1040.9	-4.4	
	9	129	81.500	27.790	1027.0	-3.5	
	10	130	81.460	28.280	1011.7	1.7	
	11	131	81.440	29.200	1007.5	-1.3	
	12	132	81.330	29.490	1022.1	-4.4	
	13	133	81.310	29.530	1029.7	-3.1	
	14	134	81.370	29.130	1034.1	-5.5	
	15	135	81.470	28.640	1035.6	-6.0	
	16	136	81.540	28.160	1033.6	-3.7	
	17	137	81.580	27.730	1034.9	1.5	
	18	138	81.590	27.620	1033.3	4.7	
	19	139	81.650	27.520	1026.6	2.1	
	20	140	81.730	27.930	1021.2	3.8	
	21	141	81.760	28.530	1018.6	6.0	
	22	142	81.770	29.170	1014.2	4.9	
	23	143	81.740	29.720	1022.1	3.4	
	24	144	81.690	29.940	1013.7	4.9	



Buoy: 8072		Year: 1978					
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
April	28	118	83.240	-1.060			
	29	119	83.220	-1.080			
	30	120	83.190	-.950			
May	1	121	83.110	-.890			
	2	122	82.940	-1.270			
	3	123	82.890	-1.370			
	4	124	82.850	-1.540			
	5	125	82.800	-1.900			
	6	126	82.730	-2.230			
	7	127	82.730	-2.360			
	8	128	82.830	-2.370			
	9	129	82.920	-1.170			
	10	130	82.920	-.960			
	11	131	82.850	-.970			
	12	132	82.670	-1.370			
	13	133	82.690	-1.620			
	14	134	82.740	-2.190			
	15	135	82.770	-2.760			
	16	136	82.730	-3.350			
	17	137	82.750	-3.610			
	18	138	82.800	-3.580			
	19	139	82.890	-3.950			
	20	140	82.910	-3.980			
	21	141	82.920	-3.680			
	22	142	82.920	-3.630			
	23	143	82.870	-3.490			
	24	144	82.850	-3.410			
	25	145	82.800	-3.470			
	26	146	82.680	-3.450			
	27	147	82.640	-3.490			
	28	148	82.610	-3.580			
	29	149	82.560	-3.650			
	30	150	82.570	-4.000			
	31	151	82.490	-3.900			
June	1	152	82.470	-3.740			
	2	153	82.510	-3.760			
	3	154	82.530	-4.120			
	4	155	82.510	-4.320			
	5	156	82.470	-4.480			
	6	157	82.410	-4.520			
	7	158	82.340	-4.600			
	8	159	82.300	-4.480			
	9	160	-	-			
	10	161	82.170	-3.490			
	11	162	82.240	-4.080			
	12	163	82.240	-3.690			
	13	164	82.190	-3.860			
	14	165	82.170	-3.790			
	15	166	82.080	-3.780			
	16	167	82.060	-3.690			
	17	168	82.050	-3.770			
	18	169	82.070	-4.060			
	19	170	82.080	-4.230			
	20	171	82.100	-4.750			
	21	172	-	-			
	22	173	82.080	-5.370			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)	
June	23	174	82.070	-5.810				
	24	175	82.030	-5.840				
	25	176	82.080	-5.870				
	26	177	82.080	-5.960				
	27	178	82.100	-6.190				
	28	179	82.200	-5.840				
	29	180	82.180	-5.710				
	30	181	82.200	-5.540				
	July	1	182	82.170	-5.480			
		2	183	82.150	-5.690			
3		184	82.090	-5.980				
4		185	82.040	-5.970				
5		186	81.930	-5.820				
6		187	81.830	-6.240				
7		188	81.660	-6.290				
8		189	81.470	-6.180				
9		190	81.380	-6.030				
10		191	81.290	-5.980				
11		192	81.210	-5.870				
12		193	81.100	-5.900				
13		194	81.030	-5.620				
14		195	80.920	-5.740				
15		196	80.770	-5.500				
16		197	80.780	-5.440				
17		198	80.540	-5.450				
18		199	80.450	-5.260				
19		200	80.360	-4.980				
20		201	80.300	-4.160				
21		202	80.240	-3.250				
22		203	80.230	-2.720				
23		204	80.140	-2.320				
24		205	80.090	-1.830				
25		206	80.020	-1.660				
26		207	80.080	-1.410				
27		208	79.720	-1.430				
28		209	79.740	-1.310				



Buoy: 8200		Year: 1978					
Month	Day	Julian day	Lat (N)	Long (+E,-W)	P (mb)	TA (C)	TB (C)
April	28	118	82.210	4.470			
	29	119	82.180	4.350	1023.3	-17.2	-11.3
	30	120	82.130	4.420	1023.7	-16.4	-16.0
May	1	121	82.040	3.940	1017.7	-22.9	-19.6
	2	122	81.890	3.310	1014.7	-18.0	-18.0
	3	123	81.830	3.160	1013.2	-16.6	-16.8
	4	124	81.780	2.850	1013.9	-16.4	-16.0
	5	125	81.710	2.600	1016.3	-10.5	-14.7
	6	126	81.630	2.270	1022.5	-14.4	-12.2
	7	127	81.620	2.210	1026.3	-16.8	-12.9
	8	128	81.690	2.340	1030.3	-3.4	-11.4
	9	129	81.790	3.500	1014.8	-.3	-6.4
	10	130	81.850	4.120	997.4	-1.2	-4.7
	11	131	81.780	4.850	1004.3	-5.2	-5.0
	12	132	81.690	5.120	1019.1	-5.7	-6.0
	13	133	81.720	4.650	1020.8	-9.3	-6.2
	14	134	81.780	3.990	1020.8	-2.2	-6.4
	15	135	81.830	3.170	1021.9	-4.2	-5.0
	16	136	81.830	2.440	1024.3	-2.0	-4.3
	17	137	81.840	2.280	1027.1	-.7	-3.1
	18	138	81.870	2.170	1024.5	.4	-2.5
	19	139	81.950	1.890	1012.8	.0	-1.7
	20	140	81.990	2.020	1009.1	-1.8	-1.0
	21	141	82.030	2.540	1005.7	.4	-1.5
	22	142	82.060	2.920	1006.1	.8	-1.2
	23	143	82.020	2.920			
	24	144	82.000	2.860			
	25	145	81.940	2.790	1006.1	-3.3	-1.2
	26	146	81.840	2.750	1012.6	-6.0	-2.7
	27	147	81.810	2.630	1015.2	-3.8	-3.4
	28	148	81.760	2.470	1015.6	-5.3	-3.8
	29	149	81.710	2.260	1015.6	-4.8	-3.8
	30	150	81.680	2.120	1020.6	.4	-4.0
	31	151	81.620	1.800	1018.1	-3.1	-3.4
June	1	152	81.580	1.920	1018.9	-5.3	-3.3
	2	153	81.620	1.860	1010.5	-2.9	-3.3
	3	154	81.640	1.460	1002.6	-4.0	-3.1
	4	155	81.590	1.070	1010.2	-6.4	-3.8
	5	156	81.580	.950			
	6	157	81.480	.890			
	7	158	81.390	.910			
	8	159	81.360	.950			
	9	160	-	-			
	10	161	81.260	1.310	1014.3	-2.0	-3.1
	11	162	81.270	1.240	1015.8	-1.0	-2.4
	12	163	81.280	1.780			
	13	164	81.280	1.920	999.4	-2.2	-1.8
	14	165	81.240	1.620	1009.9	-1.3	-1.7
	15	166	81.180	1.870	1019.5	.0	-1.7
	16	167	81.150	1.720	1018.3	-1.2	-1.5
	17	168	81.180	1.780	1010.7	.2	-1.3
	18	169	81.190	1.360	1014.1	-.5	-.8
	19	170	81.210	1.330	1022.4	-2.0	-1.2
	20	171	81.210	.720	1017.4	-1.5	-1.2
	21	172	-	-			
	22	173	81.160	-.040	1018.8	-2.7	-1.3

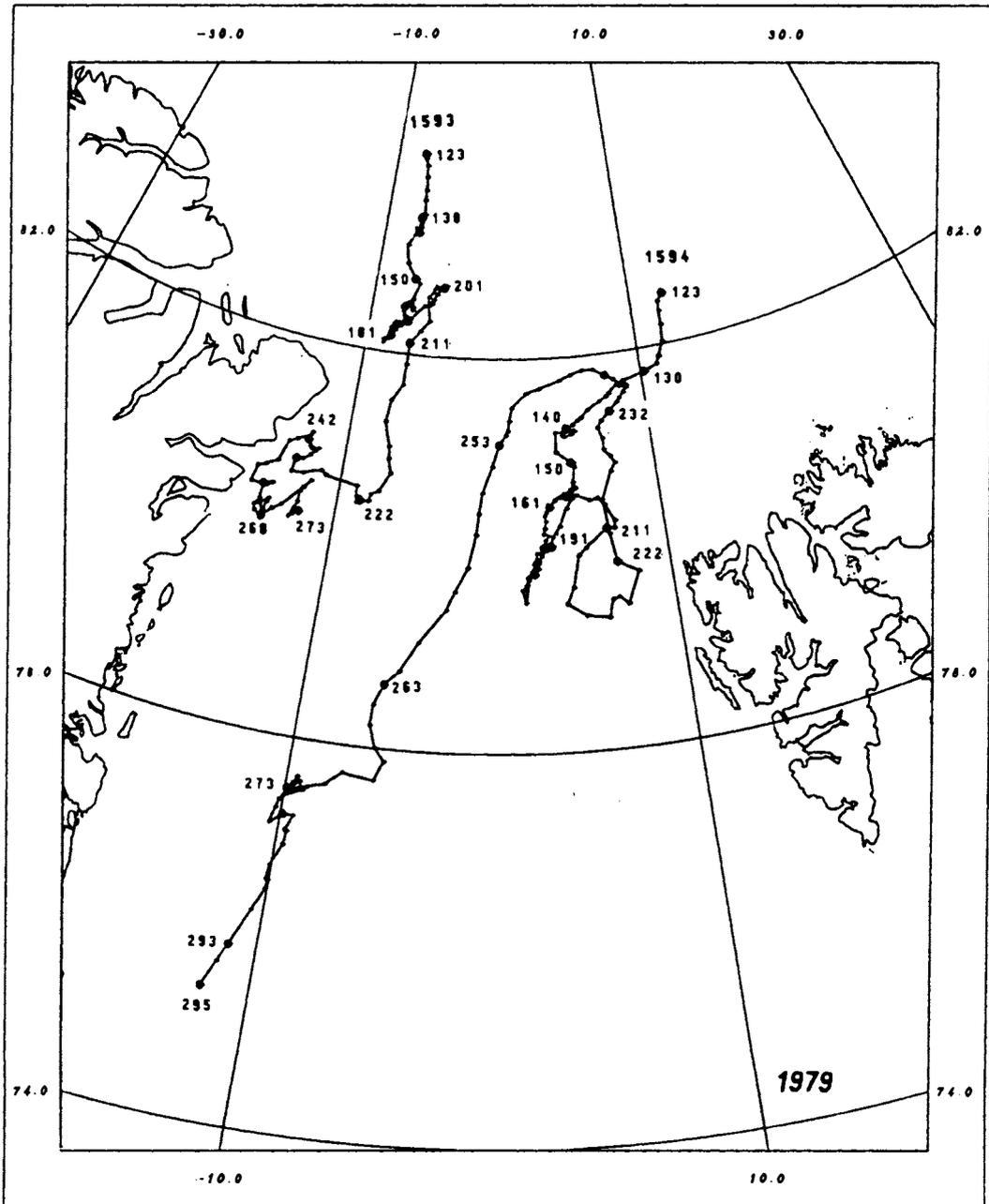
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)	
June	23	174	81.170	-.410	1019.2	-1.3	-1.5	
	24	175	81.100	-.410	1018.3	.9	-1.0	
	25	176	81.100	-.580	1004.1	.5	-.2	
	26	177	81.100	-.570	1011.9	3.5	.2	
	27	178	81.170	-.510	1017.8	1.3	.2	
	28	179	81.240	-.400				
	29	180	81.260	-.300	1013.6	1.3	.4	
	30	181	81.250	.020	1021.6	1.5	.2	
	July	1	182	81.260	.150	1025.8	-.3	.2
		2	183	81.240	-.060	1025.4	.0	.2
3		184	81.160	-.500				
4		185	81.080	-.550				
5		186	80.970	-.390				
6		187	80.860	-.280				
7		188	80.780	.180				
8		189	80.510	.080				
9		190	80.530	-.040				
10		191	80.390	-.500				
11		192	80.310	-.790				
12		193	80.260	-.610				
13		194	80.240	-.470				

Buoy: 8236

Year: 1978

Month	Day	Julian day	Lat (N)	Long (+E,-W)	P (mb)	TA (C)	TB (C)
April	28	118	82.170	-6.160			
	29	119	82.140	-6.180			
	30	120	82.070	-6.160			
May	1	121	81.950	-6.320			
	2	122	81.710	-6.510			
	3	123	81.580	-6.600			
	4	124	81.470	-6.660			
	5	125	81.340	-6.720			
	6	126	81.210	-6.670			
	7	127	81.220	-6.540			
	8	128	81.300	-6.260			
	9	129	81.370	-5.000			
	10	130	81.350	-4.420			
	11	131	81.220	-3.820			
	12	132	81.060	-3.850			
	13	133	81.030	-3.900			
	14	134	81.020	-4.260			
	15	135	81.000	-4.630			
	16	136	80.960	-5.180			
	17	137	80.950	-5.180			
	18	138	80.980	-5.170			
	19	139	81.060	-5.370			
	20	140	81.050	-5.140			
	21	141	81.060	-4.580			
	22	142	81.060	-4.130			
	23	143	80.990	-3.890			
	24	144	80.970	-3.790			
	25	145	80.900	-3.820			
	26	146	80.810	-3.970			
	27	147	80.760	-4.100			
	28	148	80.730	-4.110			
	29	149	80.690	-4.170			
	30	150	80.660	-4.140			
	31	151	80.600	-4.370			
June	1	152	80.560	-4.230			
	2	153	80.540	-4.030			
	3	154	80.510	-4.150			
	4	155	80.440	-4.280			
	5	156	80.420	-4.310			
	6	157	80.300	-4.260			
	7	158	80.210	-4.170			
	8	159	80.150	-3.990			
	9	160	-	-			
	10	161	79.950	-3.570			
	11	162	79.990	-3.540			
	12	163	79.830	-2.840			
	13	164	79.760	-2.850			
	14	165	79.660	-3.330			
15	166	79.550	-3.520				
16	167	79.430	-3.210				
17	168	79.390	-3.420				
18	169	79.220	-3.860				
19	170	79.120	-4.100				
20	171	78.990	-4.610				
21	172	-	-				
22	173	79.030	-5.830				

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)	
June	23	174	79.010	-6.150				
	24	175	79.030	-6.240				
	25	176	79.050	-6.900				
	26	177	79.090	-7.050				
	27	178	79.150	-7.490				
	28	179	79.120	-7.720				
	29	180	78.980	-8.020				
	30	181	79.000	-7.960				
	July	1	182	78.760	-8.310			
		2	183	78.720	-8.680			
3		184	78.630	-9.280				
4		185	78.560	-9.490				
5		186	78.520	-9.260				
6		187	78.490	-9.080				
7		188	78.430	-9.150				
8		189	78.360	-8.810				
9		190	78.320	-8.460				
10		191	78.250	-8.520				
11		192	78.210	-8.570				
12		193	78.160	-8.520				
13		194	78.070	-8.670				
14		195	78.030	-8.950				



Buoy: 1593		Year: 1979						
Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)	
May	3	123	84.039	-7.331				
	4	124	83.992	-7.250				
	5	125	83.924	-7.027				
	6	126	83.808	-6.929				
	7	127	83.676	-6.838				
	8	128	83.574	-6.837				
	9	129	83.428	-6.718				
	10	130	83.398	-6.939				
	11	131	83.369	-7.076				
	12	132	83.343	-6.898	1024.7	-14.4	-13.7	
	13	133	83.311	-6.948	1021.7	-15.9	-13.2	
	14	134	83.295	-6.926	1014.4	-15.9	-14.1	
	15	135	83.294	-6.961	1019.9	-16.2	-15.7	
	16	136	83.266	-6.967	1025.4	-15.4	-14.6	
	17	137	83.249	-6.942	1024.1	-14.4	-12.7	
	18	138	83.244	-6.923	1018.5	-12.7	-11.5	
	19	139	83.243	-6.956	1011.9	-14.4	-11.9	
	20	140	83.243	-6.993	1017.8	-13.4	-12.1	
	21	141	83.253	-7.029	1023.5	-14.3	-13.2	
	22	142	83.275	-7.248	1024.2	-13.3	-13.0	
	23	143	83.276	-7.251	1018.6	-13.6	-12.6	
	24	144	83.290	-7.301	1013.0	-11.7	-11.9	
	25	145	83.253	-7.169	1020.7	-13.7	-11.1	
	26	146	83.260	-7.248	1013.0	-8.7	-9.5	
	27	147	83.207	-7.383	1009.8	-11.9	-10.2	
	28	148	83.103	-7.808	1000.8	-11.1	-10.4	
	29	149	82.921	-7.606	1002.7	-10.5	-9.6	
	30	150	82.773	-6.838	1012.3	-12.3	-9.3	
	31	151	82.726	-6.436	1014.5	-9.6	-9.1	
	June	1	152	-	-			
		2	153	-	-			
3		154	82.566	-6.827	1012.0	-12.3	-9.5	
4		155	82.480	-6.770	1015.0	-9.3	-9.3	
5		156	82.458	-6.759	1013.4	-10.0	-8.9	
6		157	82.468	-6.764	1016.2	-9.9	-10.4	
7		158	82.494	-6.913	1019.6	-11.2	-10.6	
8		159	82.535	-7.100	1014.0	-8.2	-10.2	
9		160	82.519	-7.307	1012.3	-9.3	-9.6	
10		161	82.486	-7.410	1009.6	-9.7	-9.6	
11		162	82.470	-7.479	1008.2	-3.6	-4.1	
12		163	82.435	-7.465	1004.0	-7.0	-9.7	
13		164	82.396	-7.382	1000.4	-7.3	-8.4	
14		165	82.333	-7.234	1000.5	-7.5	-9.0	
15		166	82.371	-7.244	1003.6	-6.8	-8.2	
16		167	82.385	-7.170	997.0	-8.9	-9.0	
17		168	82.359	-7.275	1003.5	-7.4	-8.1	
18		169	82.330	-7.407	1016.2	-7.0	-7.8	
19		170	82.321	-7.625	1018.1	-7.3	-8.0	
20		171	82.302	-7.854	1018.2	-6.7	-7.1	
21		172	82.260	-8.062	1021.0	-6.3	-7.7	
22		173	82.199	-8.118	1023.3	-5.2	-7.0	
23		174	82.160	-8.152	1016.7	-8.9	-9.1	
24		175	82.203	-8.214	1008.2	-5.9	-6.6	
25		176	82.256	-8.214	1001.1	-5.3	-6.4	
26		177	82.267	-8.215	1001.1	-3.9	-5.6	
27		178	82.213	-8.278	1006.3	-2.8	-6.0	
28		179	82.203	-8.258	1013.9	-4.3	-6.4	

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)	
June	29	180	82.177	-8.209	1012.7	-4.7	-4.9	
	30	181	82.176	-8.182	1011.1	-5.7	-6.3	
July	1	182	82.194	-8.231	1012.2	-5.6	-6.3	
	2	183	82.175	-8.353	1006.5	-5.2	-6.1	
	3	184	82.133	-8.675	1011.1	-5.9	-5.7	
	4	185	82.101	-8.661	1008.4	-6.0	-4.9	
	5	186	82.147	-8.279	1002.4	-5.9	-5.7	
	6	187	82.187	-8.146	1005.7	-6.0	-5.9	
	7	188	82.240	-7.907	998.2	-6.3	-5.9	
	8	189	82.261	-8.002	1012.9	-6.6	-5.6	
	9	190	82.288	-7.550	1015.0	-5.6	-5.4	
	10	191	82.333	-7.035	1010.5	-6.1	-5.7	
	11	192	82.366	-6.853	1013.5	-6.4	-5.6	
	12	193	-	-	-	-	-	-
	13	194	82.507	-5.889	1009.2	-6.0	-5.7	
	14	195	82.540	-5.355	1020.0	-5.4	-4.9	
	15	196	82.540	-5.344	1017.9	-5.7	-5.0	
	16	197	82.579	-5.225	1013.9	-6.6	-6.0	
	17	198	82.638	-4.994	1008.6	-6.7	-6.1	
	18	199	82.730	-4.492	1004.9	-1.2	.2	
	19	200	82.729	-4.278	1011.0	-6.3	-6.8	
	20	201	82.707	-4.478	1016.2	-5.0	-5.0	
	21	202	82.686	-4.801	1019.3	-4.2	-4.7	
	22	203	82.702	-4.947	1015.0	-7.0	-5.7	
	23	204	82.721	-5.090	1011.6	-3.7	-4.9	
	24	205	82.683	-5.234	1013.2	-5.7	-5.6	
	25	206	82.645	-5.317	1010.4	-6.0	-5.7	
	26	207	82.602	-5.629	1009.3	-7.0	-6.1	
	27	208	82.516	-5.535	1003.4	-6.6	-6.1	
	28	209	82.360	-5.380	1008.6	-6.6	-6.3	
	29	210	82.250	-5.990	1012.9	-6.4	-6.3	
	30	211	82.120	-6.670	1016.5	-6.3	-6.0	
	31	212	81.900	-6.730	1011.7	-6.4	-6.0	
Aug.	1	213	81.690	-6.790	1011.7	-6.7	-6.4	
	2	214	81.520	-7.470	1004.9	-7.0	-6.6	
	3	215	81.300	-7.650	1000.2	-6.7	-6.3	
	4	216	81.050	-7.190	998.2	-6.7	-6.4	
	5	217	80.930	-7.140	1002.0	-2.7	-5.9	
	6	218	80.780	-6.890	1002.5	-7.3	-7.1	
	7	219	80.590	-7.500	1006.2	-7.1	-6.8	
	8	220	80.550	-7.950	1006.8	-7.4	-8.0	
	9	221	80.480	-8.030	1014.7	-7.1	-7.3	
	10	222	80.480	-8.550	1016.1	-5.2	-7.1	
	11	223	80.450	-8.750	1012.7	-6.1	-5.9	
	12	224	80.510	-8.810	1005.5	-7.3	-6.6	
	13	225	80.620	-8.880	1010.2	-7.0	-6.6	
	14	226	80.670	-10.920	1013.8	-7.3	-6.8	
	15	227	80.710	-11.260	1013.7	-7.0	-6.3	
	16	228	80.650	-12.340	-	-	-	
	17	229	80.640	-13.100	1005.8	-6.7	-6.6	
	18	230	80.770	-12.970	1005.5	-6.7	-6.1	
	19	231	80.780	-12.950	1013.3	-6.4	-6.3	
	20	232	80.780	-12.940	1013.6	-7.5	-7.4	
	21	233	80.780	-12.960	1015.9	-7.8	-8.0	
	22	234	80.790	-12.530	1017.0	-7.1	-7.3	
	23	235	80.840	-12.130	1014.0	-7.1	-8.0	
	24	236	80.890	-11.860	1009.7	-8.0	-8.0	
	25	237	80.920	-11.680	1015.0	-9.1	-8.7	

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
Aug.	26	238	80.910	-12.100	1013.8	- .5	-2.2
	27	239	80.910	-12.140	1017.9	-6.8	-8.1
	28	240	80.930	-12.270	1024.2	-6.6	-7.0
	29	241	80.990	-12.350	1023.9	-8.0	-9.7
	30	242	80.990	-12.450	1022.3	-8.0	-7.8
	31	243	81.070	-12.270	1028.1	-7.7	-7.7
Sep.	1	244	81.040	-12.360	1029.8	-8.9	-8.5
	2	245	80.970	-13.170	1029.3	-7.3	-7.7
	3	246	80.930	-13.660	1027.7	-6.7	-7.5
	4	247	80.720	-14.050	1024.3	-2.1	-1.8
	5	248	80.650	-14.730	1024.9	-1.8	-2.1
	6	249	80.620	-15.200	1021.1	-1.1	-1.4
	7	250	80.450	-15.360	1020.9	-3.7	-3.6
	8	251	80.450	-14.370	1010.9	-3.9	-3.6
	9	252	80.490	-14.040	998.3	-5.2	-5.0
	10	253	80.460	-14.580	1002.7	-4.2	-4.7
	11	254	80.300	-14.590	1004.2	-3.9	-4.5
	12	255	80.190	-14.250	1006.6	-3.7	-3.7
	13	256	80.160	-14.210	1011.4	-3.6	-3.2
	14	257	80.280	-14.120	1013.1	-4.5	-3.9
	15	258	80.320	-14.050	1012.4	-4.1	-4.2
	16	259	80.300	-14.110	1008.2	-3.4	-3.0
	17	260	80.250	-14.680	1001.1	-1.0	-1.4
	18	261	80.230	-14.830	998.2	-1.4	-1.0
	19	262	80.170	-14.720	996.1	-4.1	-3.2
	20	263	80.130	-14.270	1004.8	-3.0	-2.4
	21	264	80.140	-14.230	1006.5	-3.0	-2.4
	22	265	80.230	-13.710	1008.7	-4.9	-3.6
	23	266	80.290	-13.220			
	24	267	80.510	-12.120	1010.0	-4.6	-2.1
	25	268	80.590	-11.730	1009.4	-3.3	-1.9
	26	269	80.460	-12.280	1007.9	-6.8	-4.6
	27	270	80.350	-12.310	1002.7	-4.6	-4.7
	28	271	80.190	-12.650	1017.5	-3.7	-3.2
	29	272	80.210	-12.560	1021.5	-5.6	-2.8
	30	273	80.260	-12.130	1019.7	-9.3	-3.9

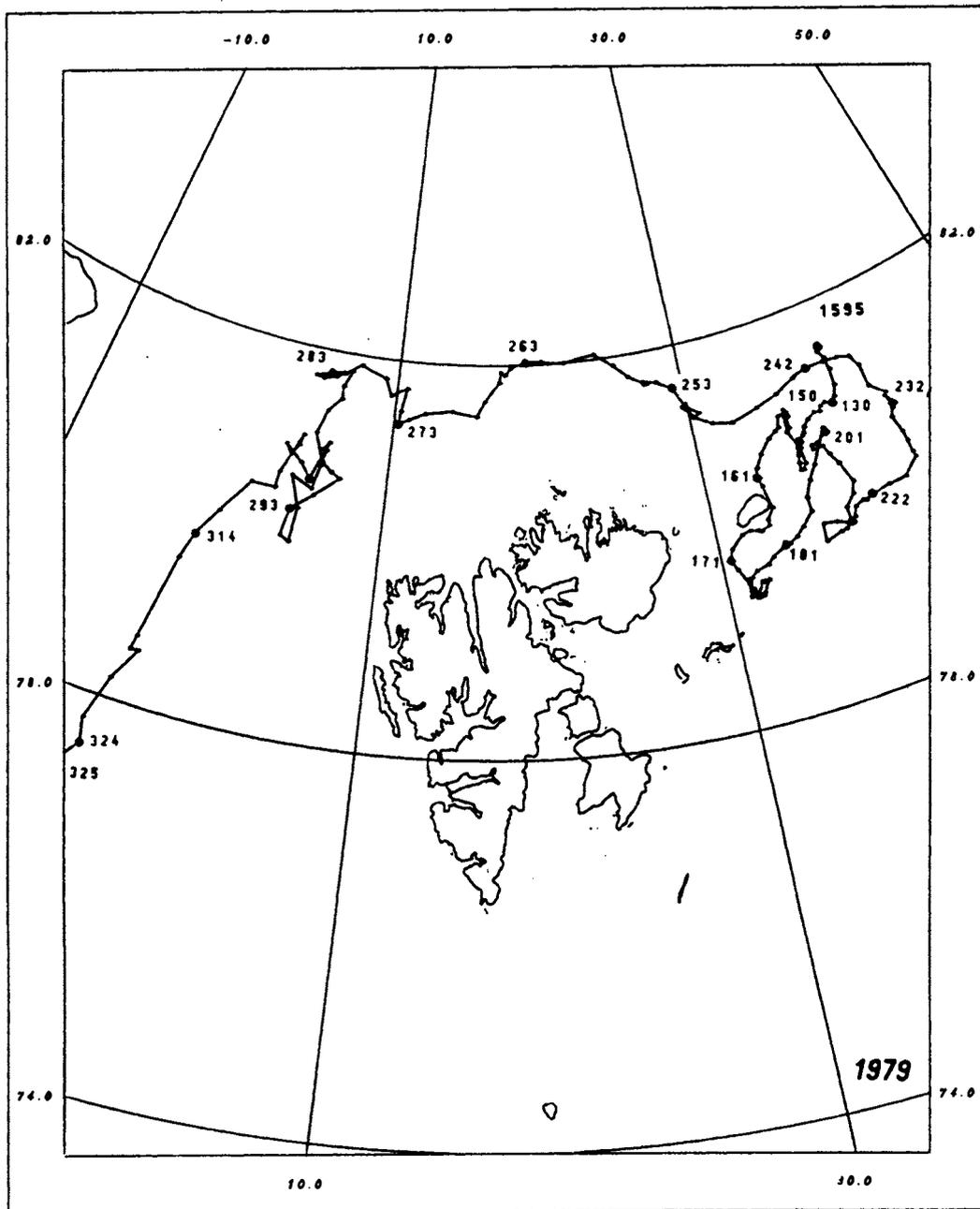
Buoy: 1594

Year: 1979

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
May	3	123	82.515	12.607	1027.0	-12.3	-13.2
	4	124	82.434	12.139	1033.9	-15.1	-15.0
	5	125	82.340	12.097	1023.1	-14.6	-13.7
	6	126	82.198	12.041	1023.5	-13.4	-12.8
	7	127	82.026	11.926	1022.5	-12.6	-12.6
	8	128	81.889	11.454	1021.8	-13.0	-12.8
	9	129	81.813	11.249	1011.3	-12.5	-11.4
	10	130	81.760	10.228	1017.6	-13.9	-11.7
	11	131	81.701	8.673	1023.7	-11.9	-11.4
	12	132	81.674	8.187	1024.4	-10.6	-10.4
	13	133	81.593	7.568	1020.0	-12.5	-10.2
	14	134	81.564	7.347	1012.6	-11.2	-9.5
	15	135	81.524	6.852	1014.9	-8.1	-9.0
	16	136	81.451	5.982	1021.2	-10.1	-8.2
	17	137	81.378	5.500	1023.0	-10.4	-8.7
	18	138	81.347	5.230	1017.1	-6.6	-7.5
	19	139	81.309	4.883	1011.6	-10.1	-8.0
	20	140	81.279	4.460	1017.5	-10.4	-8.1
	21	141	81.247	4.221	1022.9	-6.0	-7.4
	22	142	81.209	4.161	1027.3	-9.1	-6.8
	23	143	81.199	4.292	1024.2	-7.3	-6.8
	24	144	81.223	4.817	1018.4	-2.9	-5.6
	25	145	81.247	4.995	1019.8	-.8	-4.1
	26	146	81.259	4.917	1015.1	-3.0	-3.8
	27	147	81.244	4.331	999.2	-5.0	-4.3
	28	148	81.242	3.707	991.9	-4.6	-4.2
	29	149	81.044	3.703	1003.5	-6.8	-4.2
	30	150	80.932	4.617	1015.8	-5.4	-4.3
	31	151	80.904	4.778	1014.3	-1.1	-3.9
June	1	152	-	-			
	2	153	-	-			
	3	154	80.883	4.807	1003.2	-1.4	-1.3
	4	155	80.729	4.668	1013.7	-3.8	-3.6
	5	156	80.658	4.596	1015.0	-5.2	-3.8
	6	157	80.635	4.479	1018.6	-4.6	-3.6
	7	158	80.628	4.320	1018.2	-3.3	-3.5
	8	159	80.619	4.019	1013.9	-1.9	-1.9
	9	160	80.559	3.476	1012.2	-1.8	-2.4
	10	161	80.492	3.122	1009.4	-3.3	-4.1
	11	162	80.437	2.899	1010.3	-1.9	-3.6
	12	163	80.402	2.784	1007.1	.7	-3.2
	13	164	80.344	2.843	1001.3	-.1	-2.1
	14	165	80.273	2.787	1005.9	-.9	-2.1
	15	166	80.219	2.692	1000.2	4.5	-.6
	16	167	-	-			
	17	168	80.201	2.990	1012.6	-.4	-1.1
	18	169	80.155	2.789	1016.5	.1	-1.8
	19	170	80.117	2.759	1018.4	2.6	-2.4
	20	171	80.081	2.693	1018.6	2.2	-.6
	21	172	80.044	2.654	1019.4	3.6	.1
	22	173	79.996	2.544	1022.0	3.6	.1
	23	174	79.948	2.383	1025.8	.9	-1.3
	24	175	79.921	2.076	1018.5	2.5	.1
	25	176	79.942	2.147	1014.3	2.3	1.3
	26	177	79.974	2.258	1002.2	2.9	1.2
	27	178	79.941	2.267	1003.9	3.2	1.8
	28	179	79.923	2.362	1008.2	4.1	1.8

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	29	180	79.868	2.326	1015.5	3.8	.1
	30	181	79.823	2.122	1014.6	3.1	.1
July	1	182	79.787	1.830	1012.5	3.8	.2
	2	183	79.754	1.764	1008.8	1.8	.2
	3	184	79.529	1.595	1005.8	3.3	1.3
	4	185	79.659	1.400	1013.4	5.0	2.2
	5	186	79.711	1.651	1014.0	2.0	.1
	6	187	79.787	1.699	1004.0	1.5	2.3
	7	188	79.908	2.197	1011.3	1.7	2.5
	8	189	80.029	2.259	1005.5	2.0	2.6
	9	190	80.054	2.887	1018.2	1.7	2.9
	10	191	80.096	3.163	1020.9	6.0	5.7
	11	192	80.190	3.256	1016.6	2.2	3.2
	12	193	80.295	3.703	1019.1	1.8	2.5
	13	194	80.470	4.145	1014.1	1.8	1.8
	14	195	80.568	4.530	1021.5	2.2	2.6
	15	196	80.575	4.372	1016.8	2.3	4.1
	16	197	80.596	4.422	1014.3	1.3	1.5
	17	198	80.657	4.453	1014.0	1.3	2.0
	18	199	80.681	4.758	1008.3	.4	1.5
	19	200	80.668	4.822	1007.3	1.8	2.0
	20	201	80.598	4.139	1018.0	.5	1.2
	21	202	80.586	3.833	1020.6	5.0	3.6
	22	203	80.583	3.862	1019.5	2.7	2.0
	23	204	80.620	4.295	1015.4	2.5	8.9
	24	205	80.595	4.868	1017.3	2.0	-1.4
	25	206	80.539	5.615	1012.0	2.0	-1.3
	26	207	80.555	6.150	1007.7	1.7	-.9
	27	208	80.476	6.520	1004.8	1.2	-.8
	28	209	80.311	7.035	1005.6	.4	-1.3
	29	210	80.236	6.999	1009.7	1.3	-1.3
	30	211	80.240	6.522	1010.8	.7	-1.1
	31	212	80.058	5.166	1006.1	.4	2.0
Aug.	1	213	79.989	4.717	1004.9	.4	1.3
	2	214	79.667	4.296	1002.5	1.2	.2
	3	215	79.505	3.897	998.3	.9	.4
	4	216	79.375	4.946	999.1	1.8	2.9
	5	217	79.335	6.207	1002.4	3.6	4.5
	6	218	79.520	6.466	1003.1	3.2	3.1
	7	219	79.537	6.834	1007.1	.2	4.3
	8	220	79.456	7.323	1011.6	4.0	4.5
	9	221	79.774	8.114	1014.8	4.0	4.5
	10	222	79.893	6.944	1015.6	3.8	4.0
	11	223	80.182	6.653	1017.8	2.6	-.1
	12	224	80.529	6.431	1012.2	-.1	.1
	13	225	80.810	7.134	1013.6	.7	.7
	14	226	80.893	7.469	1015.5	.4	-.2
	15	227	80.964	7.212	1015.0	3.2	-.2
	16	228	81.034	6.834	1008.6	2.3	.7
	17	229	81.151	6.840	1013.2	1.5	.7
	18	230	81.261	6.555	1012.1	.7	.5
	19	231	81.326	6.849	1018.1	.9	.5
	20	232	81.415	7.488	1019.5	1.0	1.0
	21	233	81.496	8.038	1018.6	.4	.5
	22	234	81.532	8.237	1019.0	.5	.4
	23	235	81.590	8.601	1017.3	.9	.5
	24	236	81.656	8.883	1013.3	.9	.5
	25	237	81.706	8.662	1012.2	-.1	.1

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
Aug.	26	238	81.653	8.368	1012.6	-.5	-.4
	27	239	81.632	8.853	1015.6	.2	-.8
	28	240	81.642	8.779	1023.3	-.8	-1.3
	29	241	81.733	7.975	1025.0	-.5	-.5
	30	242	81.782	7.448	1022.4	.1	-.5
	31	243	81.851	6.621	1029.7	-1.3	-.8
Sep.	1	244	81.855	5.842	1031.9	.1	-1.1
	2	245	81.819	4.995	1027.9	-1.6	-1.8
	3	246	81.765	4.157	1023.9	-3.8	-3.0
	4	247	81.699	2.750	1021.6	-1.8	-2.2
	5	248	81.650	1.780	1021.3	-3.6	-3.0
	6	249	81.510	.814	1017.0	-4.9	-3.8
	7	250	81.375	.658	1018.6	-5.4	-4.5
	8	251	81.272	.547	1012.8	-3.3	-3.2
	9	252	81.232	.434	998.5	-2.7	-3.2
	10	253	81.132	-.021	994.5	-4.1	-3.3
	11	254	80.912	-.447	997.0	-4.9	-3.3
	12	255	80.643	-1.043	997.8	-3.2	-3.3
	13	256	80.432	-1.220	1006.4	-5.6	-4.3
	14	257	80.220	-1.343	1008.8	-5.7	-4.9
	15	258	79.878	-1.775	1005.8	-4.9	-4.6
	16	259	79.637	-2.454	1003.8	-2.2	-2.9
	17	260	79.448	-2.892	997.9	.1	-.8
	18	261	79.101	-4.271	991.8	-2.9	-.9
	19	262	78.802	-5.155	984.5	-.4	-1.1
	20	263	78.658	-5.871	996.9	-.5	-1.1
	21	264	78.442	-6.327	1001.8	-2.2	-1.4
	22	265	78.236	-6.372	1003.0	-3.0	-2.2
	23	266	78.012	-6.006	1008.3	-.8	-1.9
	24	267	77.884	-5.505	1008.5	-.5	-1.6
	25	268	77.691	-5.910	999.5	-.9	-1.3
	26	269	77.732	-7.424	997.0	-2.2	-1.8
	27	270	77.596	-8.161	992.9	-.2	-1.8
	28	271	77.542	-8.984	1009.6	-1.4	-1.8
	29	272	77.498	-9.611	1020.4	-3.0	-1.8
	30	273	77.499	-9.912	1021.6	-3.2	-1.8
Oct.	1	274	77.568	-9.654	1010.2	-.4	-1.6
	2	275	77.585	-9.347	1018.0	-8.0	-1.9
	3	276	77.506	-9.769	1024.6	-7.0	-1.9
	4	277	77.632	-9.500	1006.0	-2.4	-1.8
	5	278	77.502	-9.180	1017.1	-5.2	-1.9
	6	279	77.417	-10.032	1022.7	-6.8	-1.9
	7	280	77.375	-10.175	1023.0	-7.3	-1.9
	8	281	77.292	-10.269	1021.6	-6.3	-1.9
	9	282	77.137	-10.437	1032.0	-5.3	-1.9
	10	283	77.233	-9.894	1021.0	-2.1	-1.9
	11	284	77.236	-9.396	1015.8	-4.9	-1.9
	12	285	77.082	-9.680	1020.5	-6.0	-1.9
	13	286	77.072	-9.590	1011.5	-4.3	-2.1
	14	287	76.931	-9.653	1016.2	-11.6	-2.1
	15	288	76.708	-10.082	1022.7	-12.9	-2.4
	16	289	76.568	-10.129	1011.7	-10.5	-2.9
	17	290	76.555	-10.052	1005.0	-11.0	-3.0
	18	291	76.466	-10.081	1001.4	-16.2	-3.0
	19	292	76.236	-10.521	998.7	-15.5	-3.3
	20	293	75.854	-11.194	1006.7	-15.1	-3.9
	21	294	75.663	-11.533	1015.4	-14.8	-4.5
	22	295	75.397	-11.973	1012.2	-5.3	-4.6



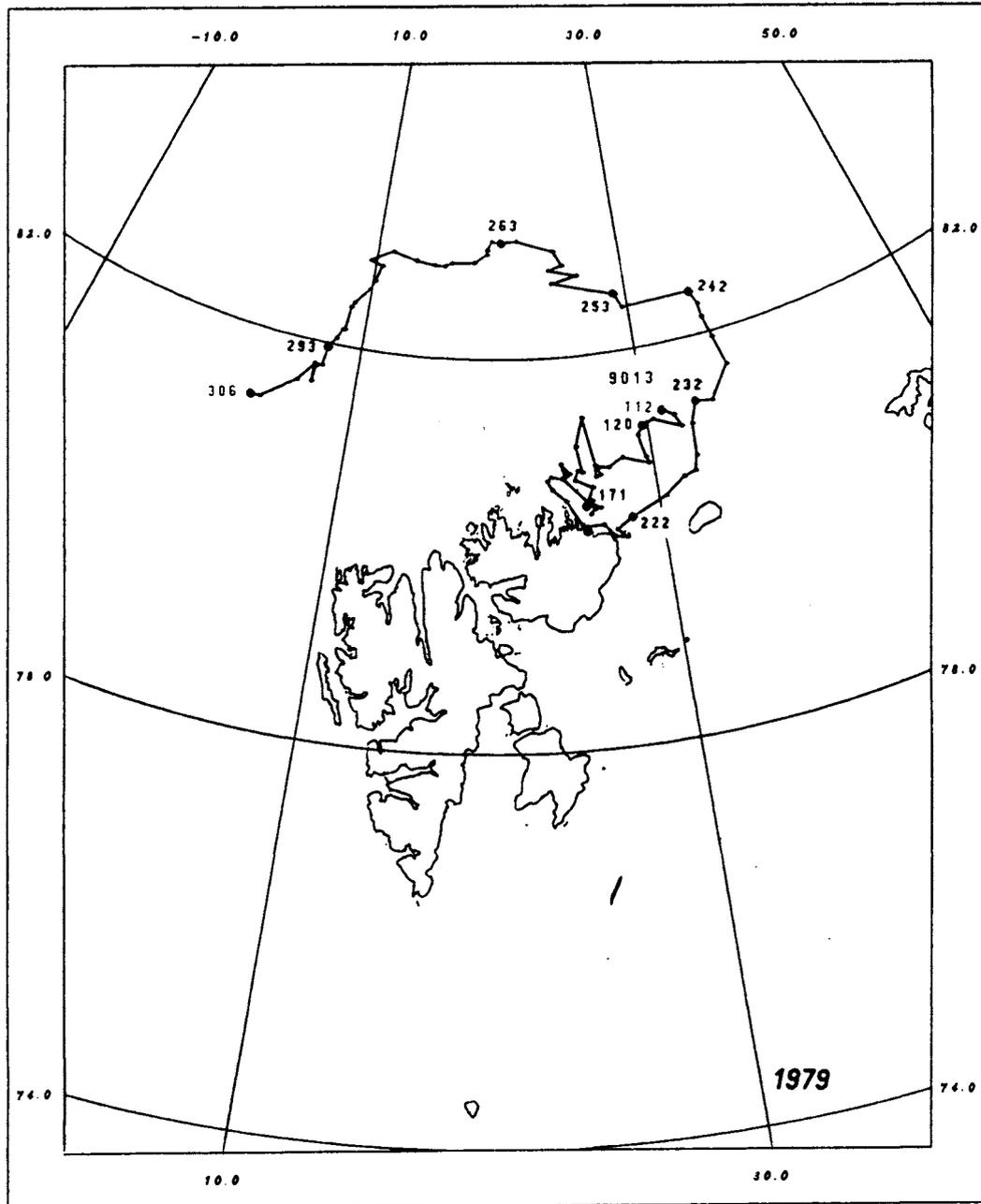
Buoy: 1595            Year: 1979

Month	Day	Julian day	Lat (N)	Long (+E,-W)	P (mb)	TA (C)	TB (C)
May	3	123	81.530	39.845	1017.6	-7.5	.4
	4	124	81.486	39.638	1027.2	-12.0	-11.0
	5	125	81.401	39.946	1006.8	-13.2	-13.4
	6	126	81.278	39.973	1010.9	-13.4	-13.7
	7	127	81.112	39.906	1008.4	-14.4	-15.1
	8	128	81.005	39.613	1001.3	-16.6	-16.0
	9	129	80.946	39.393	1012.2	-14.4	-15.7
	10	130	80.950	39.355	1012.8	-13.9	-14.3
	11	131	80.986	38.859	1024.9	-11.2	-12.8
	12	132	80.964	38.531	1026.3	-9.3	-11.4
	13	133	80.912	38.396	1010.8	-8.1	-9.9
	14	134	80.915	38.354	1006.6	-10.6	-9.9
	15	135	80.928	37.977	1006.4	-10.4	-10.4
	16	136	80.880	37.455	1005.8	-8.7	-10.5
	17	137	80.823	37.096	1007.9	-7.8	-8.7
	18	138	80.769	36.942	1007.3	-4.6	-7.0
	19	139	80.743	36.776	1010.7	-9.8	-8.4
	20	140	80.700	36.494	1011.4	-7.3	-9.1
	21	141	80.642	36.283	1006.1	-5.3	-6.0
	22	142	80.567	36.174	1021.8	-6.0	-6.3
	23	143	80.493	36.081	1023.4	-4.2	-6.7
	24	144	80.422	36.046	1023.4	-4.6	-7.3
	25	145	80.416	36.224	1025.3	-5.9	-5.3
	26	146	80.473	36.435	1025.1	-7.0	-5.6
	27	147	80.638	36.425	1013.3	-5.2	-5.6
	28	148	80.831	35.943	992.7	-2.7	-3.8
	29	149	81.058	36.145	1005.8	-1.8	-2.7
	30	150	80.991	36.202	1010.5	-5.6	-2.6
	31	151	80.867	36.167	1010.3	-5.4	-3.2
June	1	152	-	-			
	2	153	-	-			
	3	154	81.030	36.264	992.6	-.6	.1
	4	155	81.014	35.680	989.5	-.9	.4
	5	156	80.905	35.511	996.1	3.6	-.5
	6	157	80.875	35.198	1006.0	-.4	.5
	7	158	80.825	34.678	1008.6	-4.3	-2.4
	8	159	80.695	33.934	1007.9	-5.0	-3.2
	9	160	80.573	33.457	1005.2	-3.3	-2.2
	10	161	80.481	33.316	1004.9	-4.5	-3.0
	11	162	80.383	33.487	995.0	-2.6	-2.9
	12	163	80.147	33.699	994.4	-1.1	-1.8
	13	164	80.041	33.252	994.0	-.9	-1.6
	14	165	79.985	33.236	994.3	2.6	.5
	15	166	79.949	32.723	994.2	.1	.1
	16	167	79.965	32.550	994.7	.7	1.2
	17	168	79.984	32.083	1005.3	4.0	2.9
	18	169	79.961	31.542	1007.4	2.0	2.2
	19	170	79.844	30.788	1009.4	-.2	.7
	20	171	79.737	30.586	1009.5	-1.1	-.4
	21	172	79.632	30.846	1011.2	-2.9	-1.3
	22	173	79.471	31.324	1007.2	-1.1	-.5
	23	174	79.406	31.448	1012.0	-.4	-.6
	23	174	79.378	31.508	1012.1	.5	-.5
	24	175	79.307	31.703	1022.2	3.6	.4
	25	176	79.315	31.900	1010.4	4.3	3.2
	26	177	79.340	31.988	1010.2	1.3	2.5
	27	178	79.457	32.416	995.3	3.3	2.6

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	28	179	79.452	32.167	994.4	1.0	2.0
	29	180	79.451	32.005	1006.6	.2	2.6
	30	181	79.329	31.633	1009.5	2.0	1.8
July	1	182	79.323	31.235	1010.9	1.0	2.2
	2	183	79.395	31.474	1010.5	1.7	3.2
	3	184	79.342	31.238	1008.9	1.5	2.7
	4	185	79.510	31.367	1011.6	1.5	2.9
	5	186	79.519	31.523	1007.8	3.3	4.0
	6	187	79.576	31.868	1008.6	1.2	2.3
	7	188	79.610	32.609	1010.8	4.0	5.0
	8	189	79.665	32.964	1005.3	1.2	1.5
	9	190	79.732	33.657	1011.7	6.0	5.5
	10	191	79.750	33.854	1021.3	2.7	3.3
	11	192	79.752	34.078	1021.7	5.0	5.9
	12	193	79.794	34.614	1025.3	2.0	9.7
	13	194	79.871	35.097	1027.1	1.7	7.5
	14	195	79.992	35.850	1027.8	2.7	5.7
	15	196	80.141	35.847	1025.0	1.3	2.2
	16	197	80.296	36.319	1025.8	2.6	2.5
	17	198	80.429	36.891	1022.1	2.6	2.7
	18	199	.000	.000	1010.2	1.8	2.9
	19	200	80.749	38.177	1012.1	.2	1.8
	20	201	80.703	38.240	1012.2	-.5	.7
	21	202	80.620	37.449	1007.2	1.3	.9
	22	203	80.620	37.122	1010.9	4.6	3.3
	23	204	80.578	37.132	1010.8	4.8	2.5
	24	205	80.577	37.753	1011.2	2.2	1.3
	25	206	80.477	37.995	998.0	.7	-.8
	26	207	80.357	38.322	996.7	.1	-.6
	27	208	80.136	38.764	994.7	-.6	-.6
	28	209	80.017	38.501	991.3	1.3	-.6
	29	210	79.911	37.838	995.6	.1	-.6
	30	211	79.756	37.875	989.7	-.4	-.6
	31	212	79.761	37.614	991.4	-.5	-.6
Aug.	1	213	79.810	37.042	992.0	-1.1	-.9
	2	214	79.833	36.244	995.2	-1.4	-.8
	3	215	79.653	36.149	991.8	-.8	-1.1
	4	216	79.699	37.086	995.8	-.6	-.8
	5	217	79.708	37.426	994.1	1.5	-.5
	6	218	79.793	38.141	1010.1	-.4	-.8
	7	219	79.888	38.363	1009.7	-.5	-.9
	8	220	79.919	38.876	1011.9	.1	-.9
	9	221	79.907	39.059	1011.9	.7	-.9
	9	221	79.891	38.921	1011.9	.2	-.9
	10	222	79.942	39.538	1022.9	-.1	-.9
	11	223	79.967	40.636	1023.2	2.6	-.6
	12	224	79.975	41.738	1023.5	-.4	-.9
	13	225	80.111	42.730	1011.0	-.1	-.9
	14	226	80.167	42.708	1012.1	.2	-.9
	15	227	80.293	42.687	1014.1	.1	-.8
	16	228	80.401	42.646	1024.4	.9	-.6
	17	229	80.575	42.412	1010.0	.1	-.8
	18	230	80.657	42.710	1010.8	.1	-.8
	19	231	80.691	42.993	1013.1	-.1	-.5
	20	232	80.704	42.849	1025.5	2.2	-.2
	21	233	80.760	42.685	1026.2	-.4	-.2
	22	234	80.802	42.543	1025.6	.2	-.1
23	235	80.832	42.726	1024.9	.2	-.2	

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
	24	236	80.834	42.719	1010.7	.5	-.1
	25	237	80.962	41.910	1011.6	.5	-.4
	26	238	81.196	41.886	1007.1	-.1	-.5
	27	239	81.312	41.506	1009.3	-.4	-.8
	28	240	81.356	40.721	1027.4	-.2	-.6
	29	241	81.370	39.707	1027.4	-1.3	-.9
	30	242	81.374	38.491	1025.8	-.6	-.2
	31	243	81.328	37.452	1029.3	-.5	-.2
Sep.	1	244	81.228	36.006	1025.7	-.2	.1
	2	245	81.159	34.537	1023.0	-1.3	.4
	3	246	81.086	32.748	1014.2	-.5	.5
	4	247	81.133	31.470	1023.1	-.9	.5
	5	248	81.252	30.233	1013.3	.1	.5
	6	249	81.366	29.747	1008.4	-1.8	.4
	7	250	81.354	30.010	1013.1	-2.2	.4
	8	251	81.271	30.725	1009.5	-1.8	.2
	9	252	81.234	30.351	997.3	-2.1	.1
	10	253	81.576	29.349	994.7	-.8	-.5
	11	254	81.668	28.303	996.0	-.6	-.8
	12	255	81.695	27.397	994.2	-.6	-.6
	13	256	81.669	27.459	996.3	-1.1	-.9
	14	257	81.671	27.646	996.7	-.6	-.8
	15	258	81.776	26.433	1006.1	-.2	-.5
	16	259	81.914	25.498	1010.0	-.9	-.6
	17	260	82.047	24.204	1007.3	-.8	-1.1
	17	260	82.055	23.411			
	18	261	81.996	21.961	976.3	-.9	-1.3
	19	262	82.026	20.311	994.9	-.8	-1.4
	20	263	82.025	19.181	992.5	-1.1	-1.3
	21	264	81.974	18.074	993.9	-1.6	-.9
	22	265	81.905	17.658			
	22	265	81.891	17.699	995.0	-.9	-.6
	23	266	81.936	17.360	1009.7	.2	-1.3
	24	267	81.830	17.273	1011.3	-4.1	-.4
	25	268	81.637	16.211	1008.1	-3.2	-.4
	26	269	81.485	15.682	994.4	.1	-.1
	27	270	81.533	14.000	996.8	-.2	.4
	28	271	81.493	12.142	1006.2	-2.2	.1
	29	272	81.420	11.027	1011.8	-3.0	1.2
	30	273	81.368	10.352	1013.4	-5.3	.9
Oct.	1	274	81.498	10.439	1009.3	-.2	-.1
	2	275	81.731	10.740	1008.3	-5.0	-.6
	3	276	81.649	9.657	1013.3	-4.6	-.2
	4	277	81.813	9.146	996.8	-.9	-1.1
	5	278	81.909	7.324	1006.5	-3.6	-1.6
	6	279	81.799	6.222	994.4	-8.7	-1.6
	7	280	81.753	5.637	990.7	-7.4	-1.6
	8	281	81.719	4.792	1023.3	-5.6	-1.6
	9	282	81.734	4.222	1023.8	-2.9	-1.6
	10	283	81.785	5.321	1022.6	-3.2	-1.6
	11	284	81.836	6.705	1009.2	-8.9	-1.6
	12	285	81.671	6.262	1011.7	-12.5	-1.6
	13	286	81.542	6.277	1007.1	-12.1	-1.8
	14	287	81.402	5.498	1008.7	-12.1	-1.6
	15	288	81.162	5.049	1011.9	-14.1	-1.6
	16	289	80.878	5.768	1007.0	-12.9	-1.1
	17	290	80.795	6.438	996.1	-5.3	-.4
	18	291	80.738	7.049	1006.0	-4.9	-.1

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
Oct.	19	292	80.529	5.594	995.6	-3.2	2.5
	20	293	80.354	4.326	994.3	-2.6	2.2
	21	294	80.071	4.083	992.0	-6.7	1.3
	22	295	80.022	4.664	1008.9	-4.9	2.2
	22	295	80.022	4.664	1011.9	-3.9	2.2
	23	296	80.373	4.795	1007.2	-2.2	2.5
	24	297	80.692	4.053	980.0	-6.1	1.8
	25	298	80.594	5.405	1010.8	-3.0	2.9
	26	299	80.842	5.707	1013.5	-2.9	-1.1
	27	300	81.002	5.898	1008.3	-1.9	-1.4
	28	301	81.003	5.587	995.6	-.8	-1.3
	29	302	81.085	6.020	995.7	-3.8	-1.4
	30	303	80.690	5.145			
31	304	80.838	4.420				
Nov.	1	305	80.993	3.240			
	2	306	80.900	3.718			
	3	307	81.006	4.051			
	4	308	81.116	4.251			
	5	309	81.026	4.028			
	6	310	80.696	3.216			
	7	311	80.535	3.161			
	8	312	80.536	1.687			
	9	313	80.163	.242			
	10	314	79.870	-.714			
	11	315	79.594	-1.210			
	12	316	79.594	-1.210			
	13	317	79.594	-1.210			
15	319	78.699	-2.037				
16	320	78.557	-2.177				
17	321	78.559	-1.715				
18	322	78.215	-2.626				
19	323	77.748	-3.274				
20	324	77.493	-3.016				
21	325	77.208	-3.958				



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Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
April	22	112	81.331	31.171	1016.2	-22.4	-15.4
	23	113	-	-			
	24	114	-	-			
	25	115	-	-			
	26	116	81.259	31.928	1022.9	-19.2	-10.9
	27	117	81.134	32.303	1017.3	-20.8	-11.1
	28	118	-	-			
	29	119	81.260	30.497	1017.7	-17.3	-11.7
	30	120	81.214	29.717	1028.7	-18.7	-11.1
	May	1	121	-	-		
2		122	-	-			
3		123	81.126	29.311	1027.8	-12.6	-11.5
4		124	-	-			
5		125	-	-			
6		126	-	-			
7		127	-	-			
8		128	80.892	29.634	1016.8	-15.6	-14.1
9		129	80.832	29.781	1010.9	-17.3	-14.0
10		130	-	-			
11		131	80.926	28.127	1021.5	-11.1	-8.4
12		132	80.847	27.172	1013.1	-10.1	-5.9
13		133	-	-			
14		134	-	-			
15		135	-	-			
16		136	-	-			
17		137	80.863	26.425	1018.3	-12.1	-9.9
18		138	80.781	26.576			
19		139	-	-			
20		140	-	-			
21		141	80.765	26.287	1020.3	-8.6	-7.1
22		142	-	-			
23		143	-	-			
24		144	-	-			
25		145	-	-			
26		146	80.881	26.303	1017.1	-8.7	-7.1
27		147	-	-			
28		148	-	-			
29		149	-	-			
30		150	-	-			
31		151	-	-			
June	1	152	-	-			
	2	153	-	-			
	3	154	81.375	25.720	998.3	-1.3	.1
	4	155	81.088	25.168	1005.5	-3.9	.5
	5	156	-	-			
	6	157	-	-			
	7	158	80.825	25.472	1018.7	-3.4	-2.2
	8	159	80.846	25.172	1012.5	-4.9	-2.2
	9	160	80.750	24.945	1007.9	-5.3	-2.2
	10	161	-	-			
	11	162	-	-			
	10	163	-	-			
	11	164	-	-			
	12	165	-	-			
	15	166	80.664	26.032	1002.5	-1.6	-2.0
	16	167	-	-			

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	TB (C)
June	17	168	-	-			
	18	169	-	-			
	19	170	-	-			
	20	171	80.480	25.520	1013.0	-2.5	-2.0
	21	172	-	-			
	22	173	80.539	25.853	1018.7	-3.2	-2.9
	23	174	80.532	25.925	1022.8	-3.7	-2.6
	24	175	-	-			
	25	176	80.464	26.073			
	26	177	80.454	26.414	1000.3	.6	-1.0
	27	178	80.472	26.156	1003.8	2.3	-1.6
	28	179	80.396	25.749	1008.4	.9	-1.3
	29	180	80.445	26.065	1014.0	.1	-1.7
	30	181	-	-			
July	1	182	-	-			
	2	183	-	-			
	3	184	-	-			
	4	185	80.771	24.207			
	5	186	80.797	24.340	1016.7	6.5	-1.0
	6	187	-	-			
	7	188	-	-			
	8	189	80.927	24.103	1005.4	.6	-1.7
	9	190	80.820	24.626	1016.3	1.7	-1.7
	10	191	-	-			
	11	192	-	-			
	12	193	80.807	24.466	1023.7	6.3	-.5
	13	194	-	-			
	14	195	80.779	24.124	1025.5	4.3	-.2
	15	196	-	-			
	16	197	80.803	23.455	1020.9	2.3	-.4
	17	198	-	-			
	18	199	-	-			
	19	200	-	-			
	20	201	-	-			
	21	202	80.761	23.185	1018.2	-.4	-.2
	22	203	-	-			
	23	204	-	-			
	24	205	80.671	23.482	1014.8	-.5	-.4
	25	206	80.548	24.319	1010.4	.3	-2.2
	26	207	-	-			
	27	208	80.298	25.186	1007.0	.3	-.7
	28	209	80.224	25.442	1006.5	-.1	-1.3
	29	210	-	-			
	30	211	80.226	25.455	1002.4	-1.0	-1.6
	31	212	-	-			
Aug.	1	213	-	-			
	2	214	80.244	25.554	1002.4	.4	-1.4
	3	215	80.277	25.473	994.7	-.7	-1.4
	4	216	-	-			
	5	217	-	-			
	6	218	80.276	26.490	1007.0	4.5	-1.4
	7	219	80.144	27.092	1010.9	3.2	-1.4
	8	220	80.125	27.806	1015.0	.1	-1.0
	9	221	80.214	27.248	1018.5	-.2	-.5
	10	222	80.318	28.269	1022.5	.4	-1.3
	11	223	-	-			
	12	224	80.478	30.463	1019.0	-.5	-1.7
	13	225	80.633	31.816	1019.0	.4	-1.4

Month	Day	Julian day	Lat (N)	Long (+E, -W)	P (mb)	TA (C)	T <sub>θ</sub> (C)
Aug.	14	226	80.668	32.575	1023.0	.6	-1.0
	15	227	80.814	32.848	1023.0	2.0	-1.4
	16	228	-	-	-	-	-
	17	229	81.138	32.987	1015.0	.4	-1.0
	18	230	-	-	-	-	-
	19	231	-	-	-	-	-
	20	232	81.352	33.530	1043.4	.9	-1.0
	21	233	81.324	34.651	1047.3	-.2	-1.6
	22	234	-	-	-	-	-
	23	235	81.637	36.252	1041.4	-1.0	-.7
	24	236	-	-	-	-	-
	25	237	81.943	35.736	1015.3	-1.0	-1.7
	26	238	82.171	35.375	1015.3	-.7	-1.7
	27	239	82.160	35.367	1023.4	-1.3	-1.7
	28	240	-	-	-	-	-
	29	241	82.306	35.335	1045.9	-1.4	-1.7
	30	242	82.444	34.900	1044.9	-2.6	-1.4
31	243	-	-	-	-	-	
Sep.	1	244	-	-	-	-	-
	2	245	-	-	-	-	-
	3	246	-	-	-	-	-
	4	247	-	-	-	-	-
	5	248	-	-	-	-	-
	6	249	-	-	-	-	-
	7	250	-	-	-	-	-
	8	251	82.433	29.641	1011.4	-5.7	-5.7
	9	252	-	-	-	-	-
	10	253	82.581	29.122	1020.1	-2.0	-2.5
	11	254	-	-	-	-	-
	12	255	82.755	24.340	986.9	-.2	-.8
	13	256	82.812	26.413	-	-	-
	14	257	82.887	24.136	987.4	-.5	-.7
	15	258	82.932	25.287	-	-	-
	16	259	-	-	-	-	-
	17	260	83.079	24.635	-	-	-
18	261	-	-	-	-	-	
19	262	83.199	21.618	986.9	-.2	-.2	
20	263	83.182	20.304	-	-	-	
21	264	83.202	19.519	986.9	-1.6	-2.4	
22	265	83.110	19.119	987.4	-6.1	-4.4	
23	266	-	-	-	-	-	
24	267	83.066	19.142	986.9	-7.6	-6.4	
25	268	-	-	-	-	-	
26	269	82.981	18.102	987.4	-1.3	-2.2	
27	270	-	-	-	-	-	
28	271	82.972	16.215	1024.2	-9.7	-9.7	
29	272	82.935	15.659	1021.0	-10.3	-9.0	
30	273	-	-	-	-	-	
Oct.	1	274	82.942	14.822	1011.8	-3.1	-4.6
	2	275	-	-	-	-	-
	3	276	82.971	13.287	-	-	-
	4	277	-	-	-	-	-
	5	278	83.034	11.283	-	-	-
	6	279	-	-	-	-	-
	7	280	-	-	-	-	-
	8	281	82.909	9.535	-	-	-
	9	282	-	-	-	-	-
	10	283	-	-	-	-	-

Month	Day	Julian day	Lat (N)	Long (+E, -W)
Oct.	11	284	82.870	10.571
	12	285	82.710	10.175
	13	286	82.619	9.879
	14	287	82.460	8.895
	15	288	82.409	8.717
	16	289	-	-
	17	290	82.176	8.574
	18	291	82.173	8.412
	19	292	82.072	8.069
	20	293	81.970	7.618
	21	294	-	-
	22	295	81.781	7.460
	23	296	81.782	6.900
	24	297	-	-
	25	298	81.598	6.937
	26	299	81.761	7.035
	27	300	81.777	6.913
	28	301	-	-
	29	302	81.582	5.951
	30	303	-	-
	31	304	81.332	3.761
Nov.	1	305	-	-
	2	306	81.328	3.130

