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Meteorological Data Report for the Sea Ice Studies at Val, Chaivo and Kleye Strait, northern Sakhalin*,**

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Abstract : Meteorological and sea-ice studies were carried out on a landfast sea-ice at Kleye Strait, northern Sakhalin during the winter of 1994-1995, as part of the Japan- Russia cooperative research project "Sea Ice Studies off the Okhotsk Sea Coast of Sakhalin". Observations of meteorological and sea-ice variables obtained from this experimental site are summarized in this paper. The general atmospheric variables near the experimental site through all the year round are described.

要旨：「日本・ロシア両国によるオホーツク海・サハリン沖海氷の共同調査」の一環として，北サハリンのチャイボ湾とオホーツク海を結ぶクレイエ海峡の海氷上で，気象・海氷の観測調査を1994年から1995年の冬季に行なった。本報告では，クレイエ海峡の海氷上で得られた気象及び海氷の観測資料を提供する。また，結氷期，非結氷期を通しての通年のクレイエ海峡周辺の気象観測資料も提供する。

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Key words : Meteorological variables, Sea ice, Kleye Strait, Chaivo, Val, northern Sakhalin, Sea of Okhotsk
キーワード：気象要素，海氷，クレイェ海峡，チャイボ，バル，北サハリン，オホーツク海

I. Introduction

As part of the Japan-Russia cooperative research project, "Sea Ice Studies off the Okhotsk Sea Coast of Sakhalin", meteorological and sea-ice studies were carried out on a landfast sea-ice at Kleye Strait, northern Sakhalin (Fig. 1) during the period from December 1994 to April 1995 to characterize sea ice formation in northern Sakhalin through the ice-covered season. Meteorological variables such as air temperature, humidity, wind speed and direction, radiation and snow/ice/water temperatures were obtained over the landfast sea ice at Kleye Strait. Observations of meteorological variables such as air temperature, humidity, wind speed and direction and radiation for the ice-free season from May through November were obtained at Chaivo Research Station, located near the shore of Kleye Strait. The general meteorological variables such as air temperature, wind speed and direction are obtained from Val Meteorological Station, located near Chaivo Bay (Fig. 1). The three-year records for the period from 1992 to 1994 obtained at Val Meteorological Station are also shown in this report. Observations of meteorological and sea-ice variables obtained in this study are summarized in Table 1. Prior to this study, field experiments of meteorological and sea-ice studies were carried out on the landfast sea-ice at Kleye Strait during the winters of 1992 to 1994, as part of the Japan-Russia cooperative research project, "Sea Ice Studies off the Okhotsk Sea Coast of Sakhalin". Some of the meteorological variables and sea-ice characteristics obtained from those three-year field experiments were reported in Shirasawa et al. (1994).

II. Meteorological variables at Val Meteorological Station

The Val Meteorological Station is located near Chaivo Bay, connected to the Sea of Okhotsk through Kleye Strait (Fig. 1). The station is run all the year round to provide general meteorological variables such as air temperature, wind speed and direction every six hours. Time series records of daily mean air temperature and wind speed during the period from 1 January 1992 to 31 December 1994 are shown in Fig. 2. It is shown from those three-year records that the daily mean air temperature decreases below zero from mid- or late October and reaches to −30 ℃. The temperature increases above zero from late April or early May and

reaches to 20 ℃ in July or August. The wind is relatively stronger in the winter than in the summer. Yearly windroses are shown in Fig. 3, indicating that the predominant wind direction was NW.

III. Meteorological variables at Chaivo Research Station

The Chaivo Research Station (52°21.50′N, 143°11.93′E) is located near the shore of Kleye Strait, which links Chaivo Bay to the Sea of Okhotsk (Fig. 1). The Chaivo Research Station is operated all the year round by the Sakhalin Oil and Gas Institute. A miniature meteorological station (Data Logger SQ-1201, Grant Instruments Ltd.) was installed on the roof of Chaivo Research Station about 6 m high from the ground in order to obtain general meteorological variables such as air temperature, humidity, wind speed and direction and radiation through all the year round. The downward long-wave radiation (Model MS-200, Eiko-seiki Co., Ltd. and Data Logger KADEC-UP, Kona Systems, Co., Ltd.) was recorded at an interval of 10 min during the period from 0000 JST (Japanese Standard Time) on 18 March to 2350 JST on 6 April 1994, and is shown in Fig. 4. The downward long-wave radiation ranged between 0.15 and 0.3 kWm^{-2} and its range was similar to those obtained during the period from January to March in 1993 at Chaivo Research Station (Shirasawa et al., 1994).

Time series records of air temperature at 100 cm height from the roof of Chaivo Research Station (at 700 cm high from the ground), humidity at 100 cm height, wind speed and direction at 210 cm height, and radiation at 85 cm height are shown in Fig. 5 and listed in Table 2. During the experimental period from 9 April to 30 November 1994, the maximum air temperature was about 27 ℃, and relatively stronger winds were observed in October and November. A windrose during the sampling period is shown in Fig. 6, indicating that the predominant wind direction was WNW and S.

In this report all time is used in the Japanese Standard Time (JST). The wind direction is used in reference to the magnetic north, which is deviated 14^0 from the true north. The threshold value of wind speed is used as 0.3 m/s.

IV. Meteorological and sea-ice observations at Kleye Strait during winter of 1994-1995

An experimental site was located on the fast sea ice at Kleye Strait near Chaivo Research Station (Fig. 1). The width of the strait near the experimental site was about 1 km. To examine the thermal regime of the sea ice sheet covered with and/or without a snow layer, two testing

areas were occupied along the cross-strait line during the ice-covered period from 11 December 1994 to 29 April 1995. The one testing area was set as a snow-covered area under the natural condition, and another was set as a snow-removed area where the surface was kept free from new snowfall all the time during the sampling period (Fig. 1). Observations of meteorological and sea-ice variables obtained from this study are summarized in Table 1.

A meteorological pole was set up near the natural area (52°21.16′N, 143°11.77′E) (Fig. 1). Installed on the pole (Data Logger SQ-1201, Grant Instruments Ltd.) were anemometers at 101 and 216 cm above the surface, thermometers to measure air temperatures and humidity sensors at 100 and 190 cm above the surface, incoming and reflected solar radiation sensors, and radiative temperature sensor to measure the surface brightness temperature (Model THI-500L, Tasco Japan Ltd. and Data Logger KADEC-UII, Kona Systems, Co., Ltd.). The data were recorded at an interval of 1 h. Daily values of surface and air temperatures and humidities, and of wind speed and incoming and reflected solar radiations are shown in Figs. 7 and 8, respectively, and listed in Table 3. A windrose during the period from December 1994 to April 1995 is shown in Fig. 9, indicating that the predominant wind direction during the winter was WNW.

At the natural area, one thermistor chain (Data Logger SQ-1206, Grant Instruments Ltd.) was installed in the 21-cm thick fast ice to measure air/snow/ice/water temperatures under the natural condition (Fig. 1). A total of sixteen thermistor sensors were installed at the snow-ice interface (0 cm), at the heights of 50, 20 and 10 cm above, and 10, 20, 30, 40, 42.5, 45, 47.5, 50, 55, 60, 65 and 70 cm below the snow-ice interface. The data were recorded at an interval of 2 h. Daily mean, maximum and minimum values of those air/snow/ice/water temperatures obtained with the sixteen thermistors are shown in Fig. 10 and listed in Table 4.

At the snow-removed area, the surface brightness temperature (Model THI-500 L, Tasco Japan Ltd. and Data Logger KADEC-UII, Kona Systems, Co., Ltd.) and the reflected radiation sensor (Data Logger KADEC-UP, Kona Systems, Co., Ltd.) were installed on the center of an approximately 10 m × 10 m area in the snow-removed area (Fig. 1). Another thermistor chain (Data Logger SQ-1206, Grant Instruments Ltd.) was installed in the center of the snow-removed area. A total of sixteen thermistor sensors were installed at the air-ice interface (0 cm) and at the depths of 10, 20, 30, 40, 42.5, 45, 47.5, 50, 52.5, 55, 57.5, 60, 65, 70 and 80 cm below the air-ice interface. The data were recorded at an interval of 2 h. Daily mean, minimum and maximum values of surface brightness temperature and daily maximum and cumulative reflected radiation is shown in Fig. 11 and listed in Table 5. Daily mean, maximum and minimum values of ice/water temperatures obtained with the sixteen thermistors are shown in Fig. 12 and listed in Table 6.

Acknowledgements

We wish to thank all staff at the Chaivo Research Station for their assistance and effort in the field and laboratory and also at the Val Meteorological Station for kindly providing meteorological data. We would also like to express our thanks to staff members of the lighthouse at Chaivo for their help in the field. Special thanks are due to Keiko Ishikawa, Shigeto Mochizuki, Eriko Uematsu and Miyako Yamatani for their assistance in data processing and drawing. Funding for this work was partly obtained from the Japanese Ministry of Education, Science and Culture (Monbusho) through grant-in-aid for the International Scientific Research Program "Sea Ice Studies off the Okhotsk Sea Coast of Sakhalin, Japan-Russia Cooperative Research" (No. 04041013) and through the Sea Ice Research Laboratory's Oversears Field Work Program.

Reference

Shirasawa, K., Ikeda, M., Ishikawa, M., Takatsuka, T., Kodama, Y., Aota, M., Takahashi, S., Takizawa, T., Polomoshnov, A., Truskov, P., and Astafiev, V. (1994) Meteorological Data Report for the Sea Ice Studies off the Okhotsk Sea Coast of Sakhalin. *Low Temperature Science,* **Ser. A., 53.** *Data Report.* 165-256.

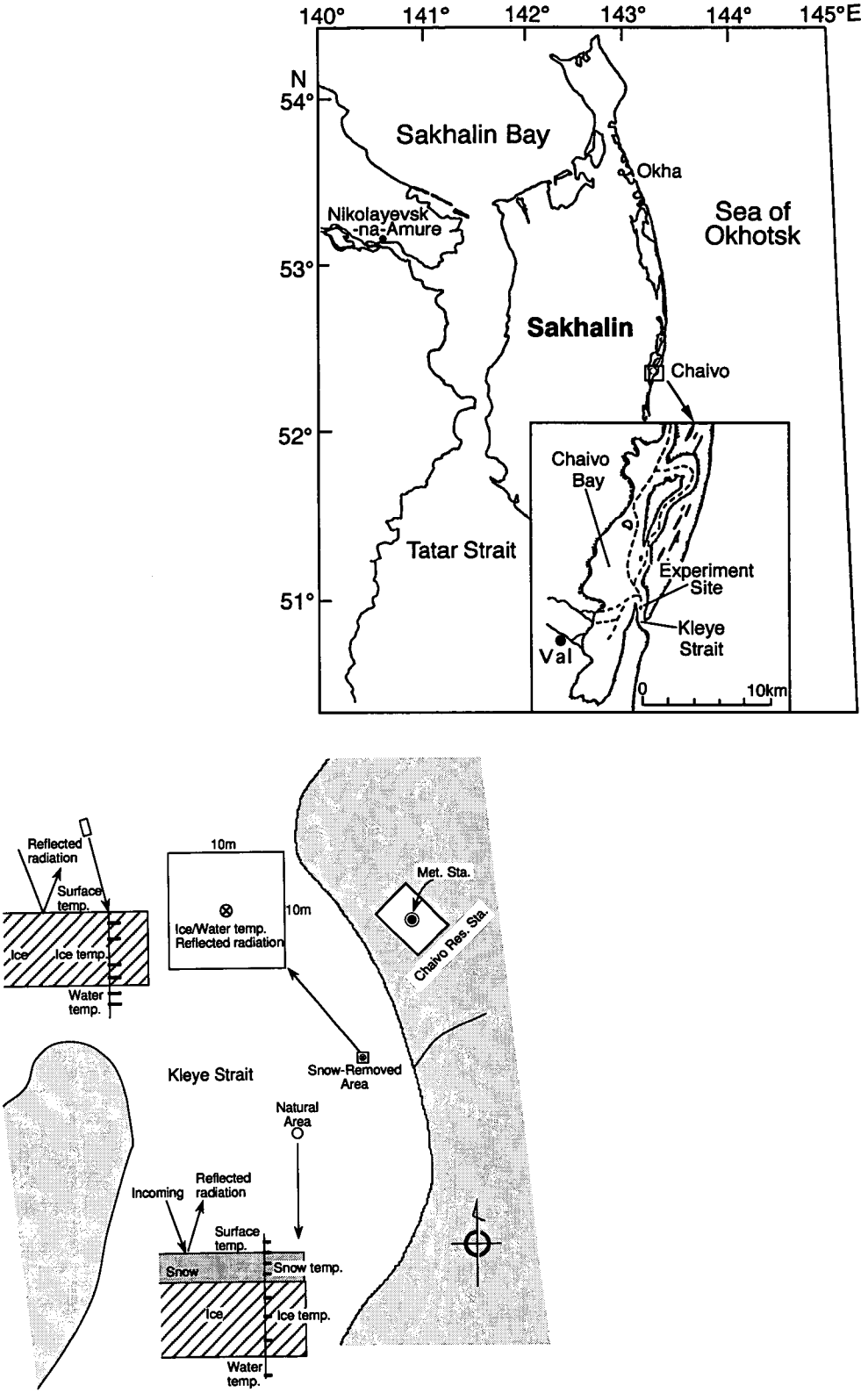


Fig. 1 Study area.

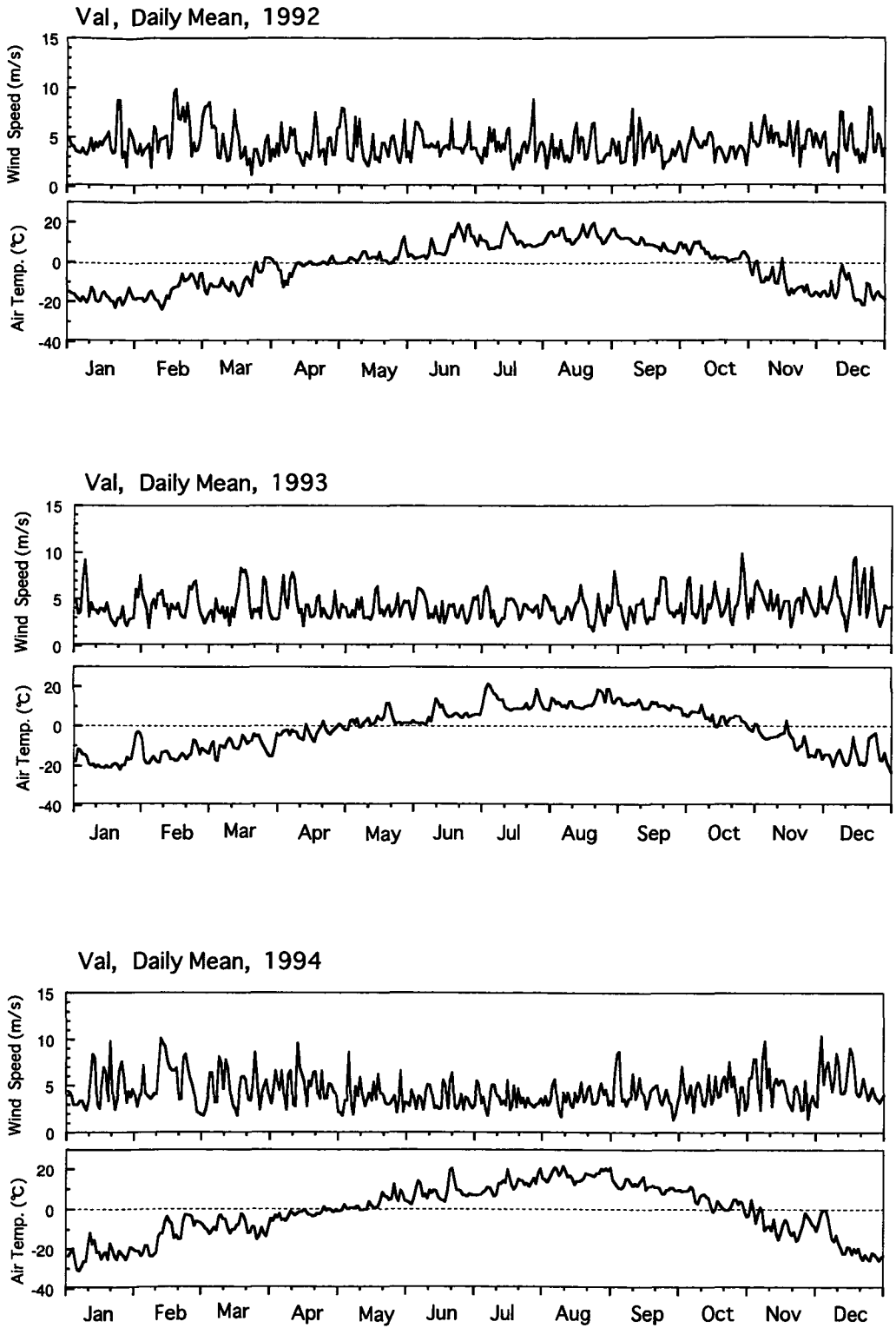


Fig. 2 Daily mean air temperature and wind speed at Val Meteorological Station during the period from January 1992 to December 1994.

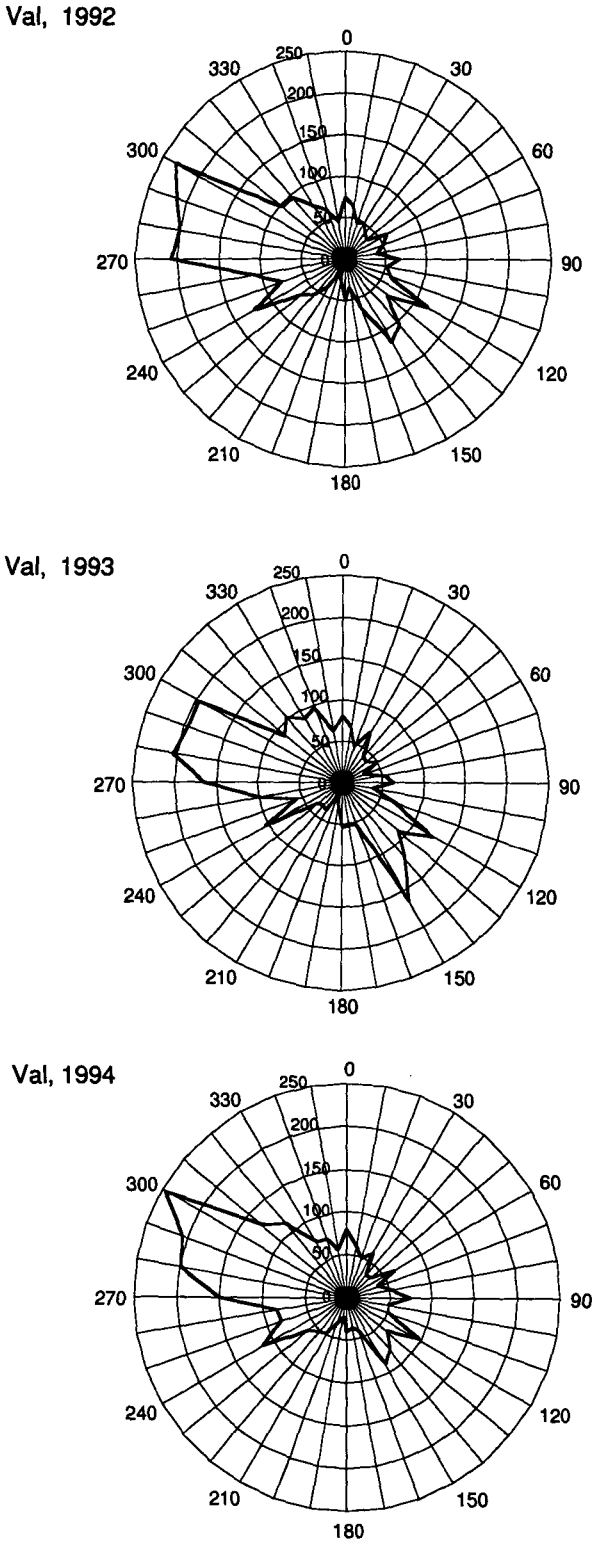


Fig. 3 Yearly windroses from 1992 to 1994 at Val.

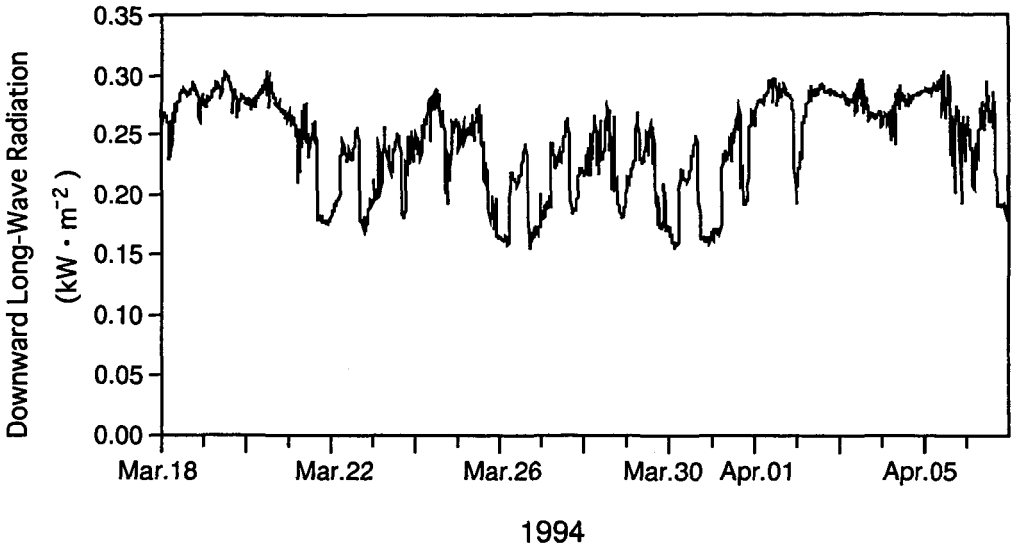


Fig. 4 Downward long-wave radiation obtained during the period from 0000 JST on 18 March to 2350 JST on 6 April 1994.

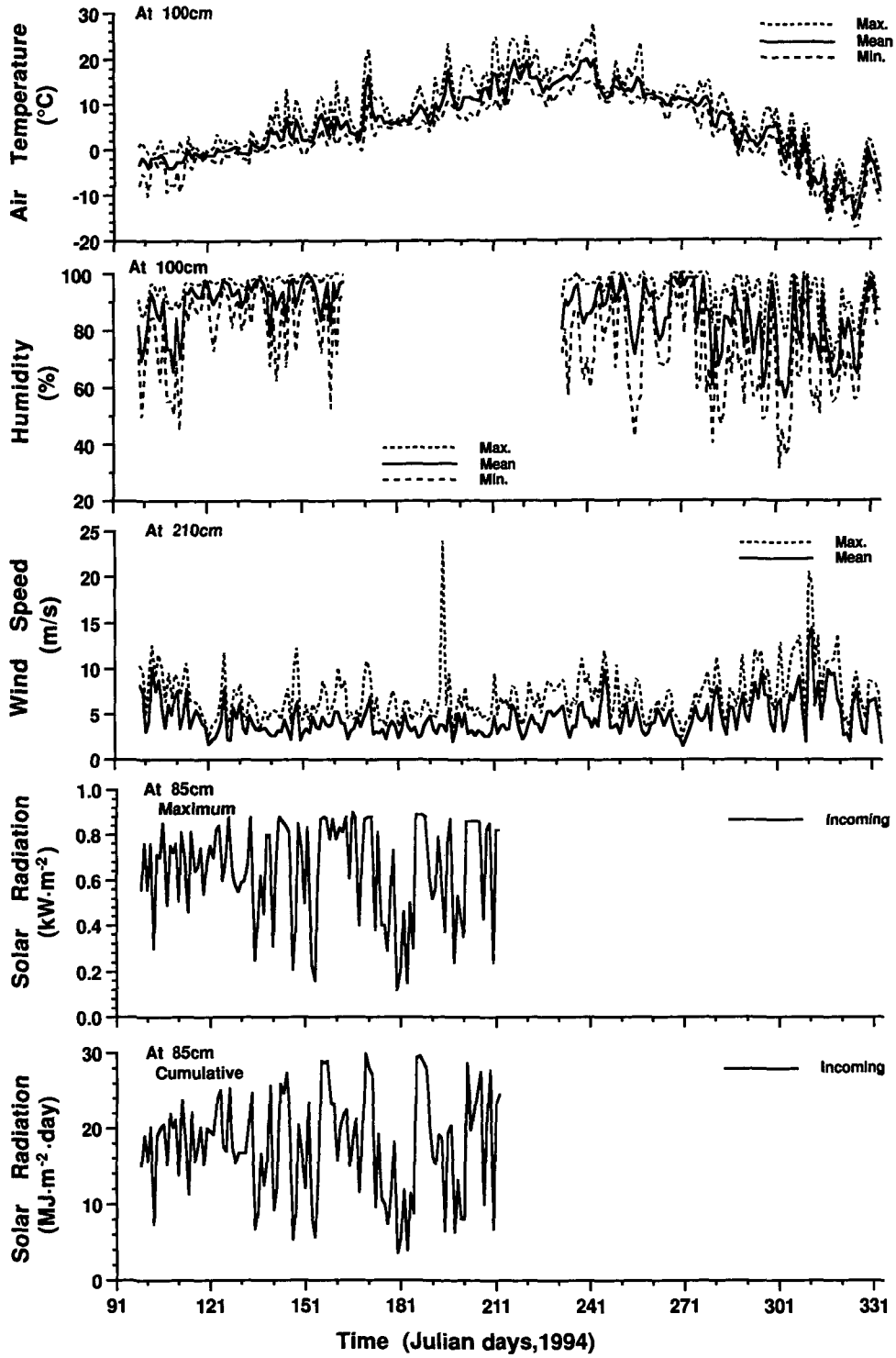


Fig. 5 Daily values of air temperature, humidity, wind speed and incoming radiation at the Chaivo Research Station. The heights of the sensors were measured in reference to the roof of the station which is about 6 m high from the ground.

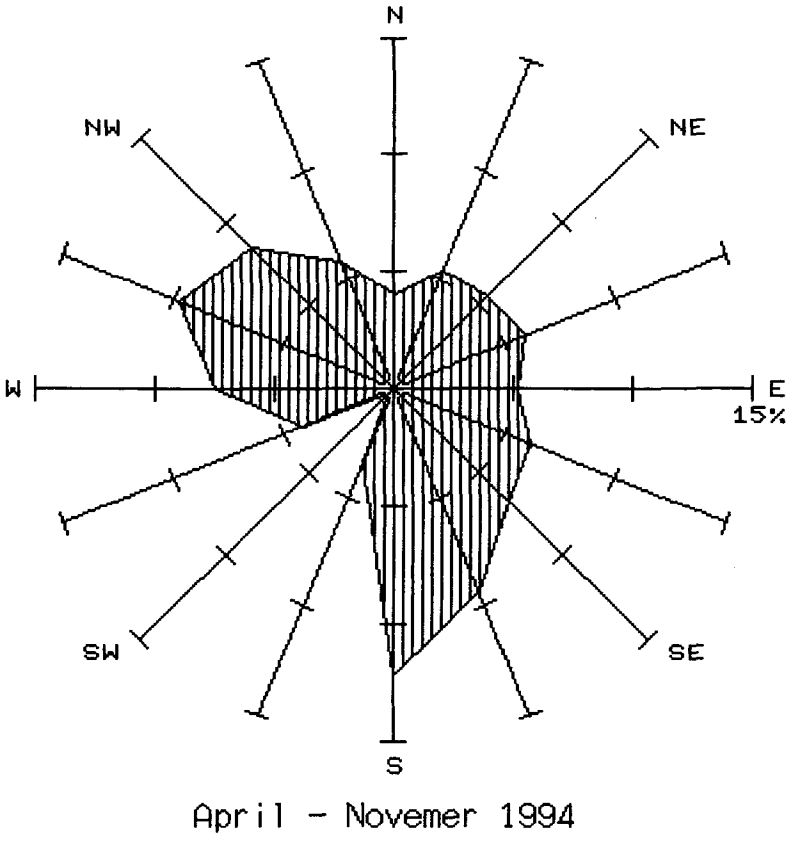


Fig. 6 A windrose during the period from 9 April to 30 November 1994.

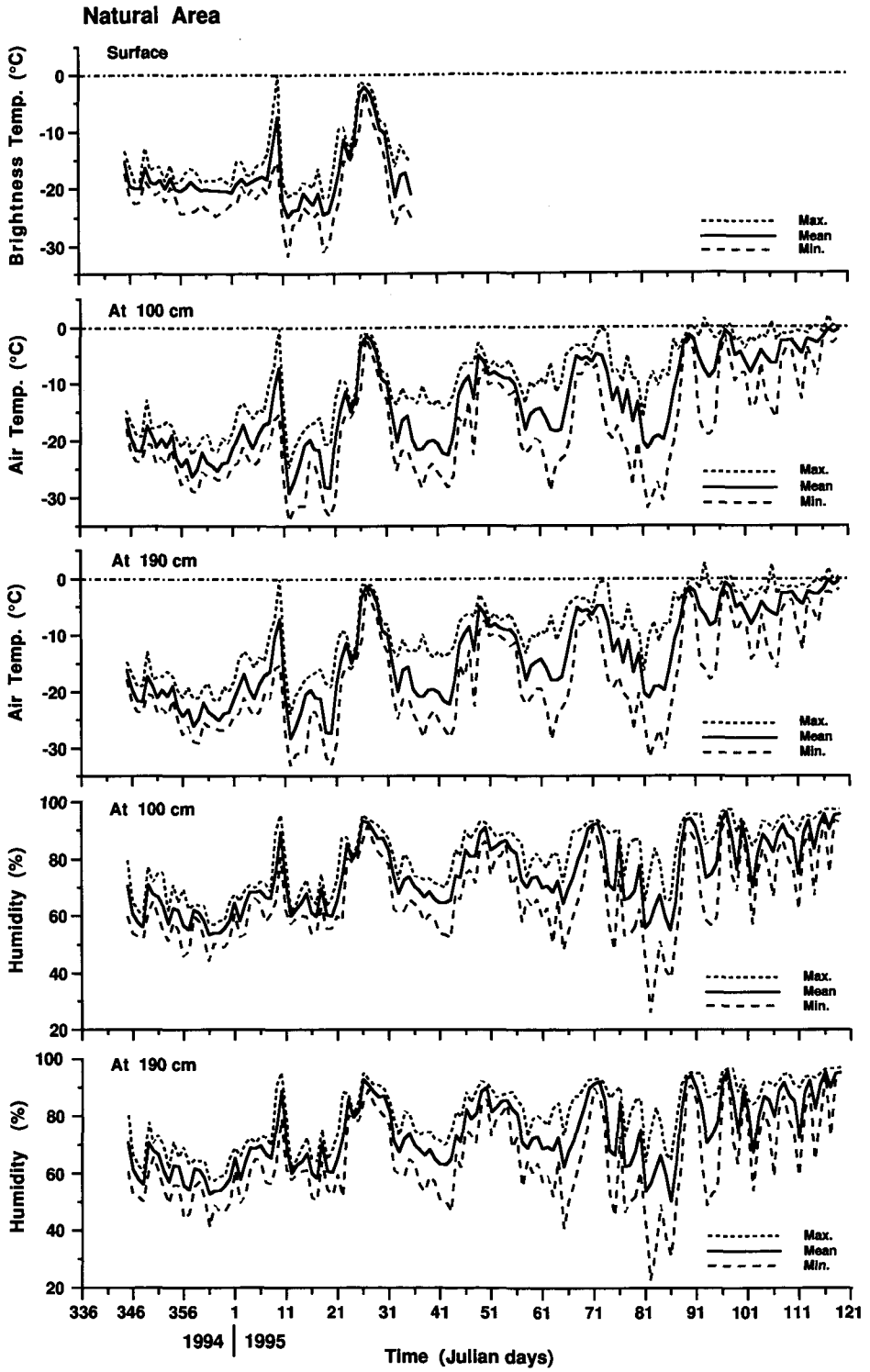


Fig. 7 Daily mean, maximum and minimum values of surface brightness and air temperatures, and humidities at the natural area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

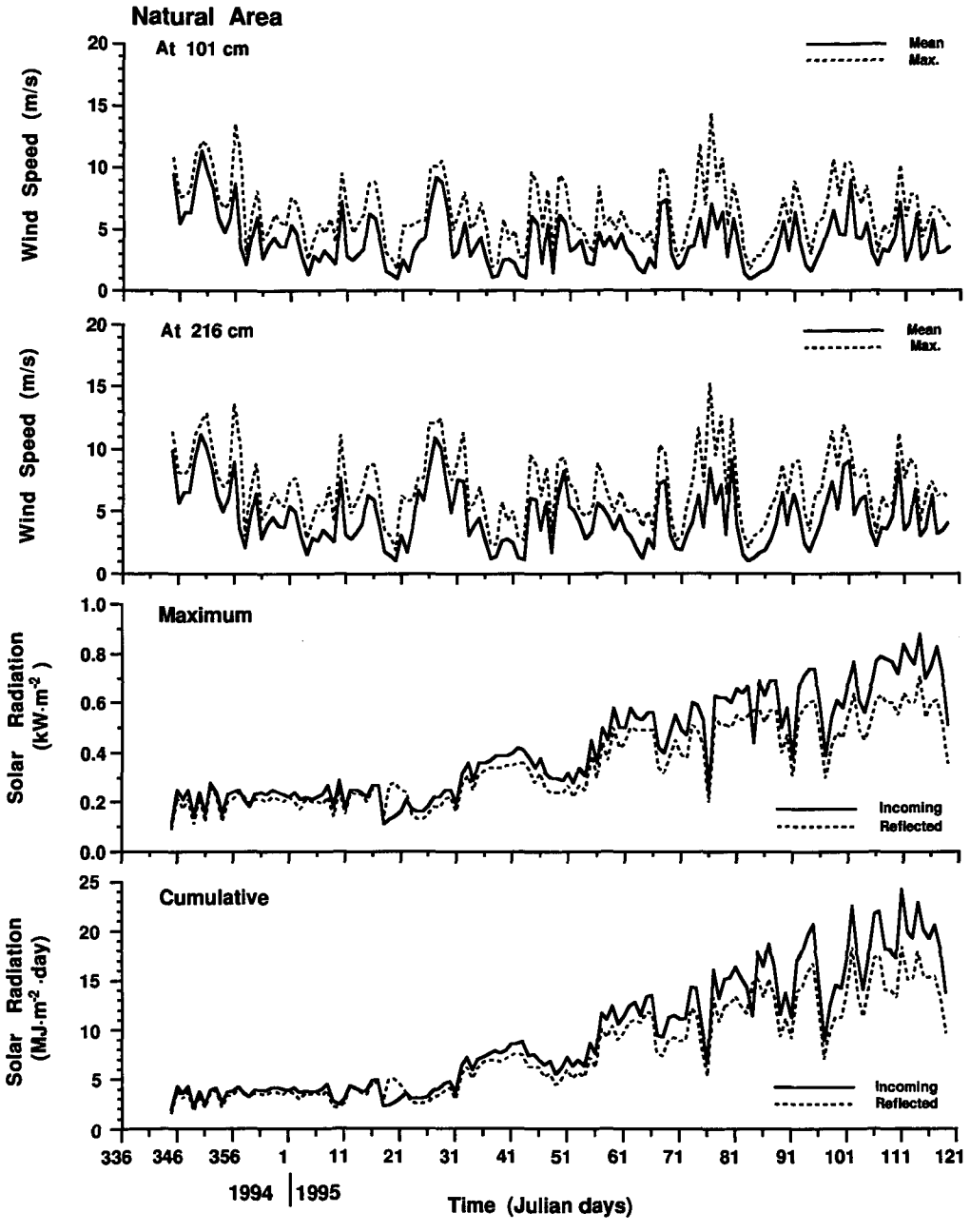


Fig. 8 Daily values of wind speed and incoming and reflected solar radiations at the natural area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

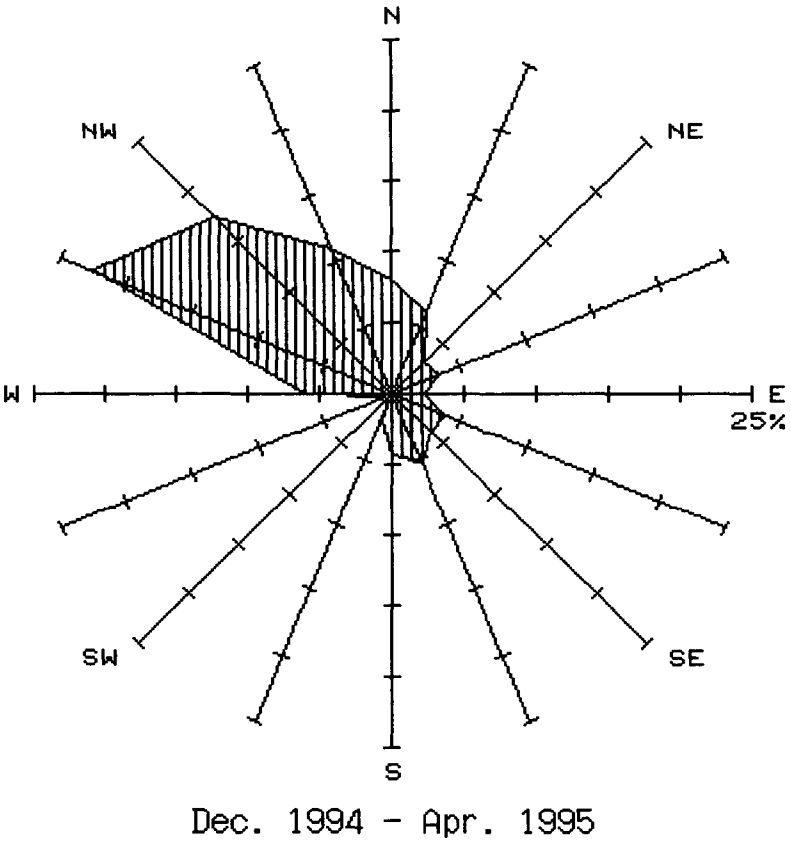


Fig. 9 A windrose during the period from 11 December 1994 to 29 April 1995.

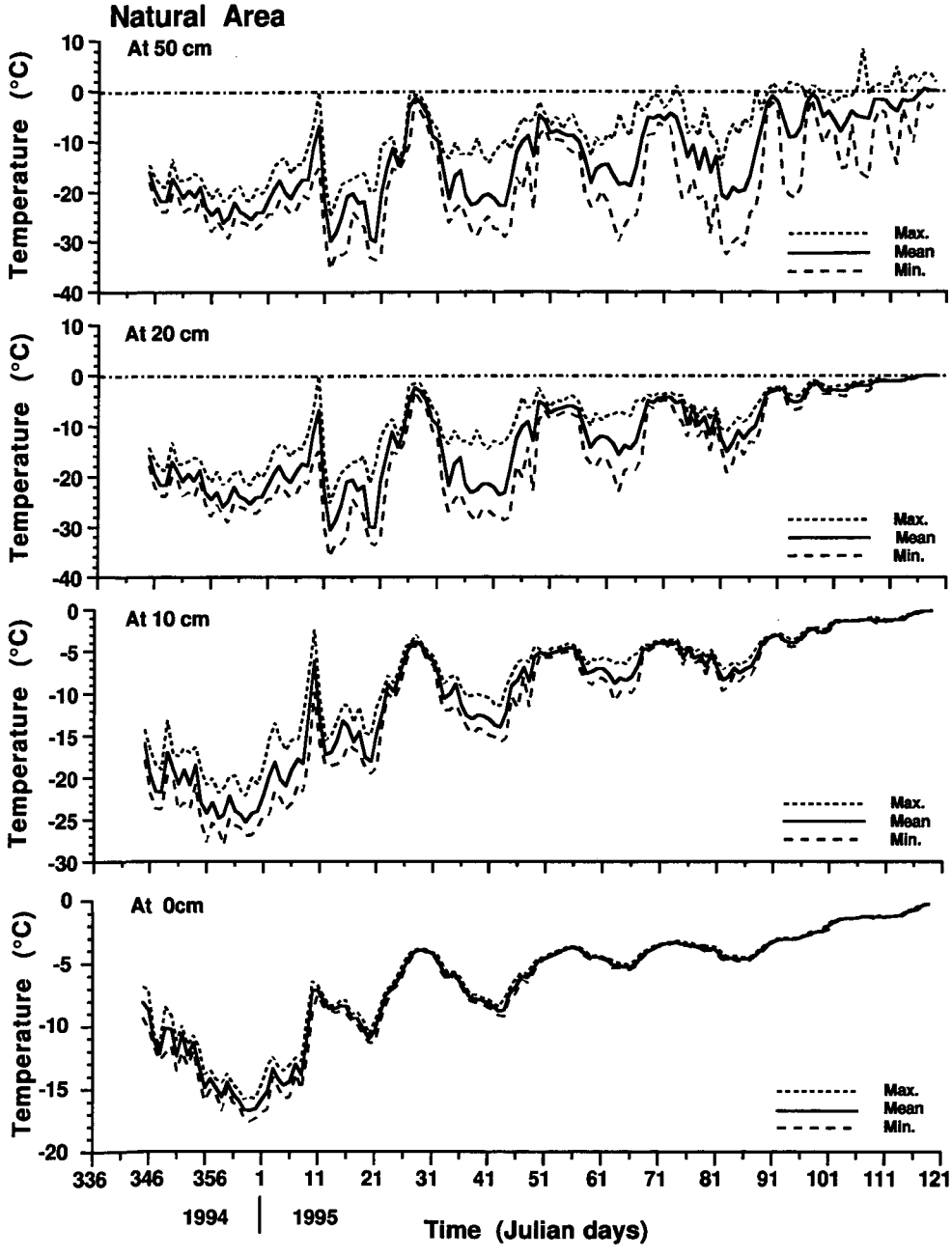
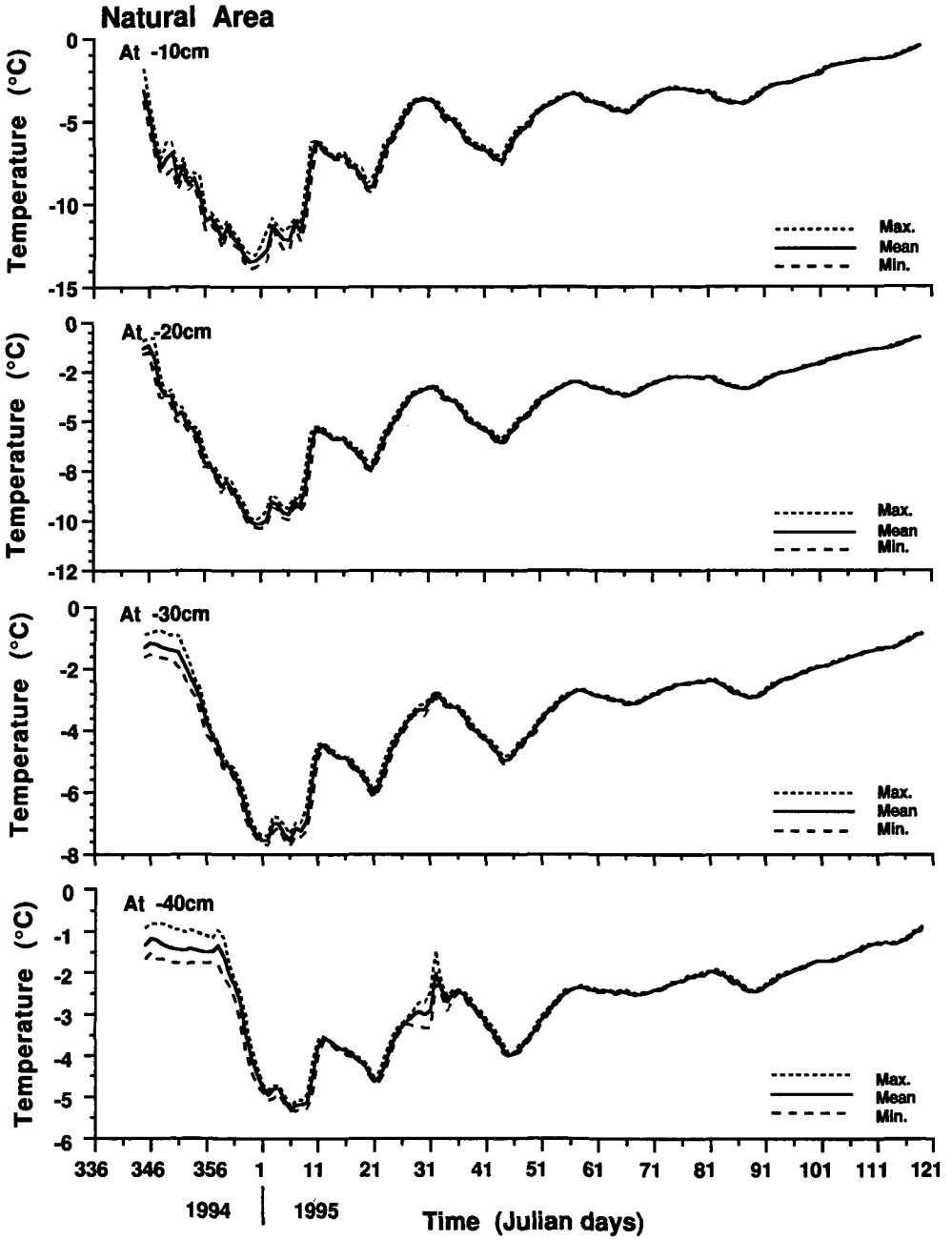
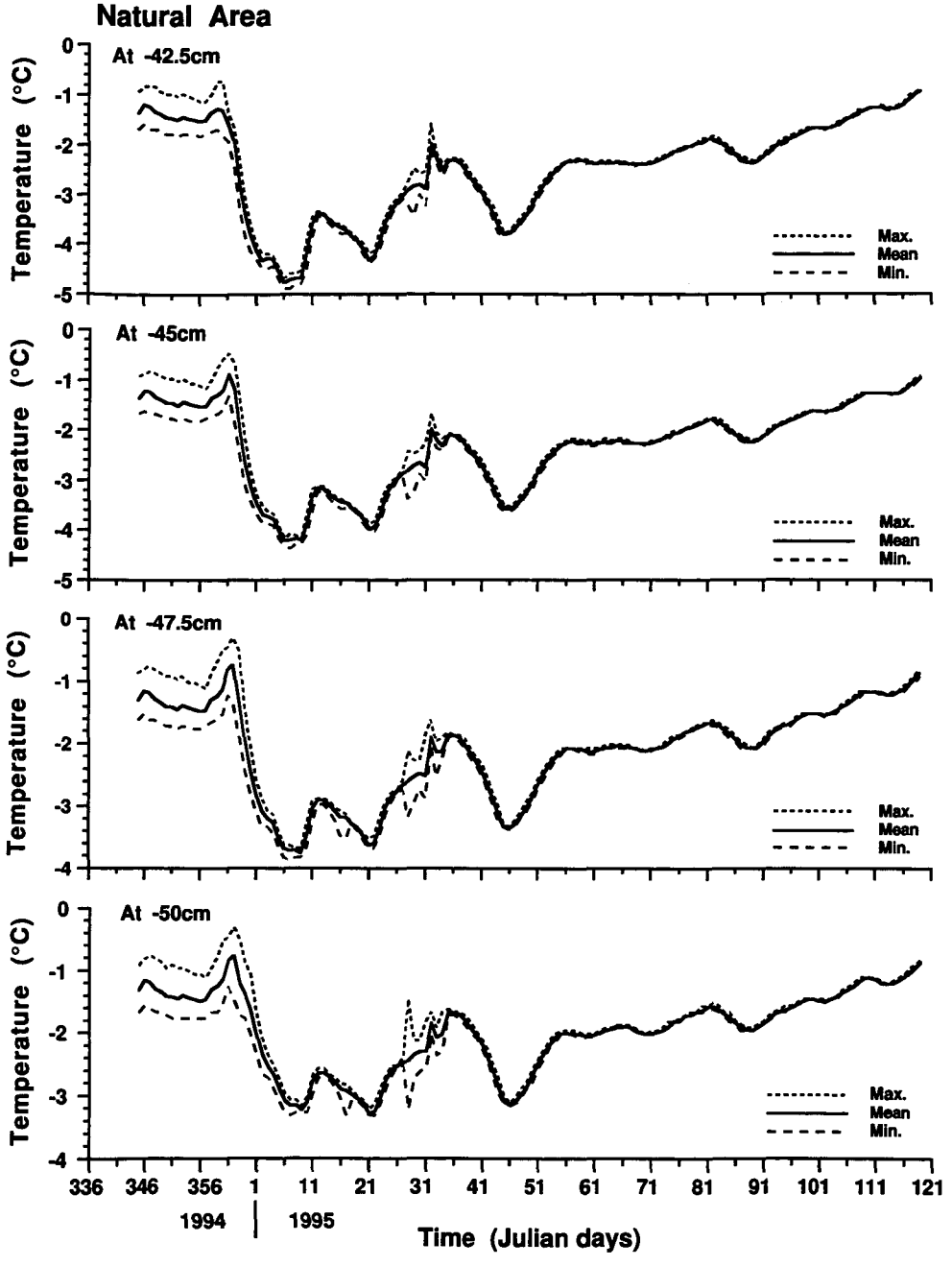
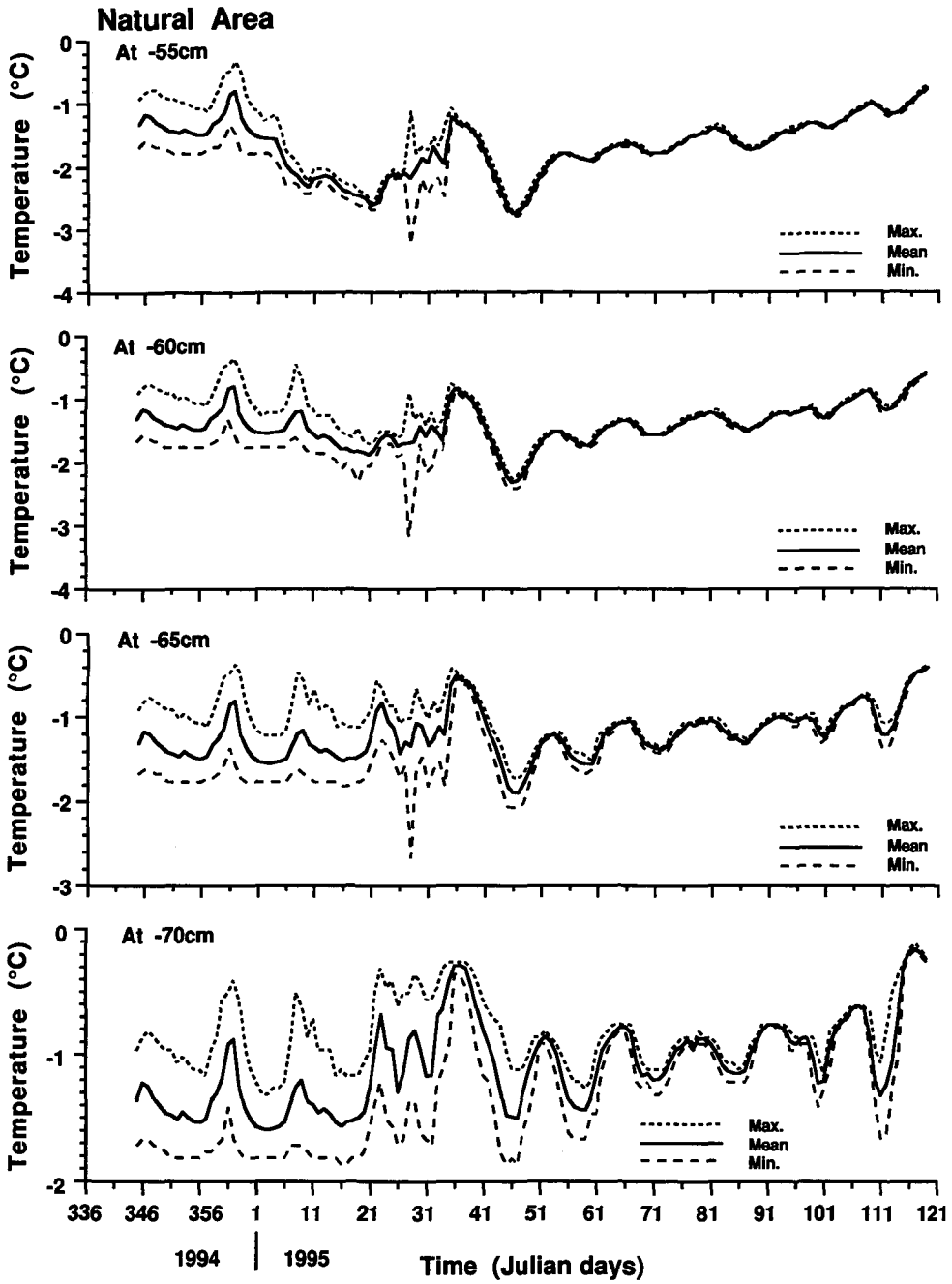


Fig. 10 Air/snow/ice/water temperatures installed at the snow-ice interface (0 cm) and at the heights of 50, 20 and 10 cm above, and 10, 20, 30, 40, 42.5, 45, 47.5, 50, 55, 60, 65 and 70 cm below the snow-ice interface under the natural condition on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.


Natural Area
At -10cm
At -20cm
At -30cm
At -40cm
Temperature (°C)
Max.
Mean
Min.
336 346 356 1 11 21 31 41 51 61 71 81 91 101 111 121
1994
1995
Time (Julian days)


Natural Area
At -42.5cm
At -45cm
At -47.5cm
At -50cm
Temperature (°C)
Max.
Mean
Min.
336 346 356 1 11 21 31 41 51 61 71 81 91 101 111 121
1994
1995
Time (Julian days)


Natural Area
At -55cm
At -60cm
At -65cm
At -70cm
Temperature (°C)
Max.
Mean
Min.
336 346 356 1 11 21 31 41 51 61 71 81 91 101 111 121
1994
1995
Time (Julian days)

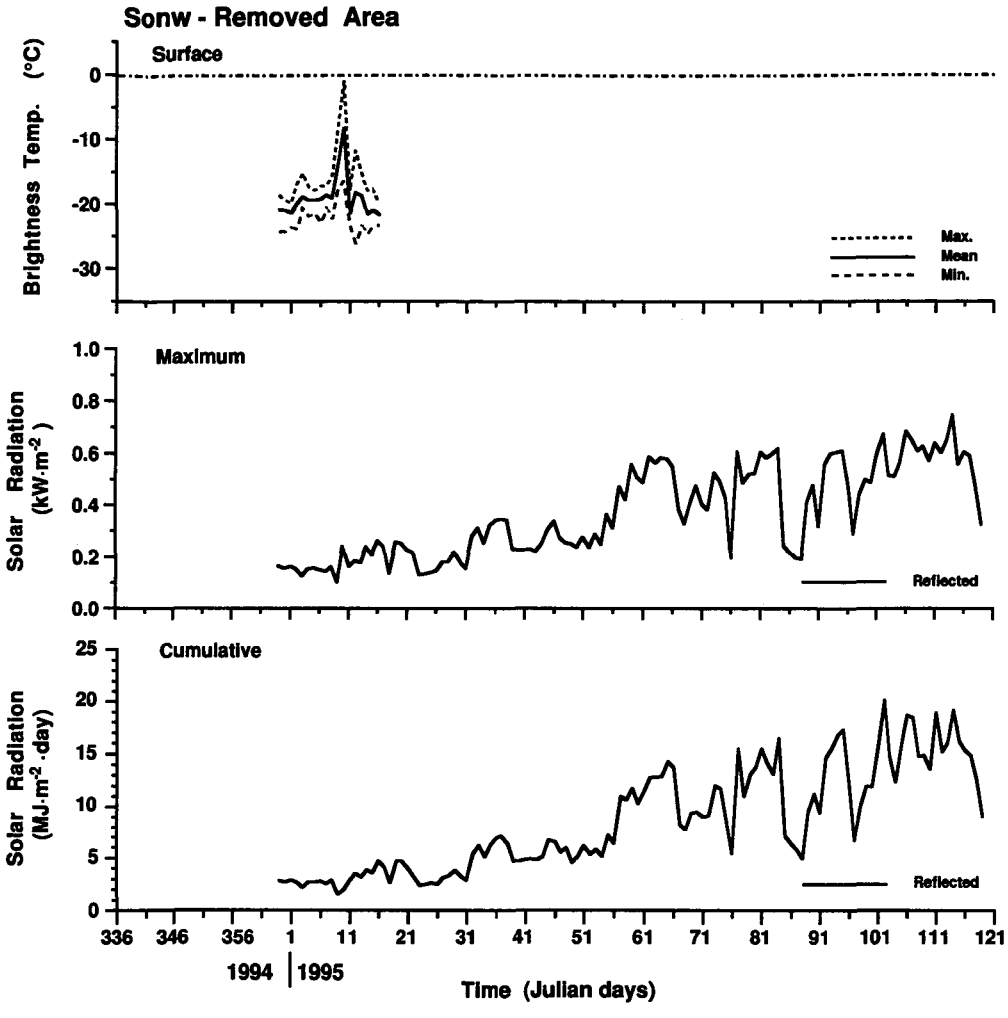


Fig. 11 Daily values of surface brightness temperature and reflected radiation at the snow-removed area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

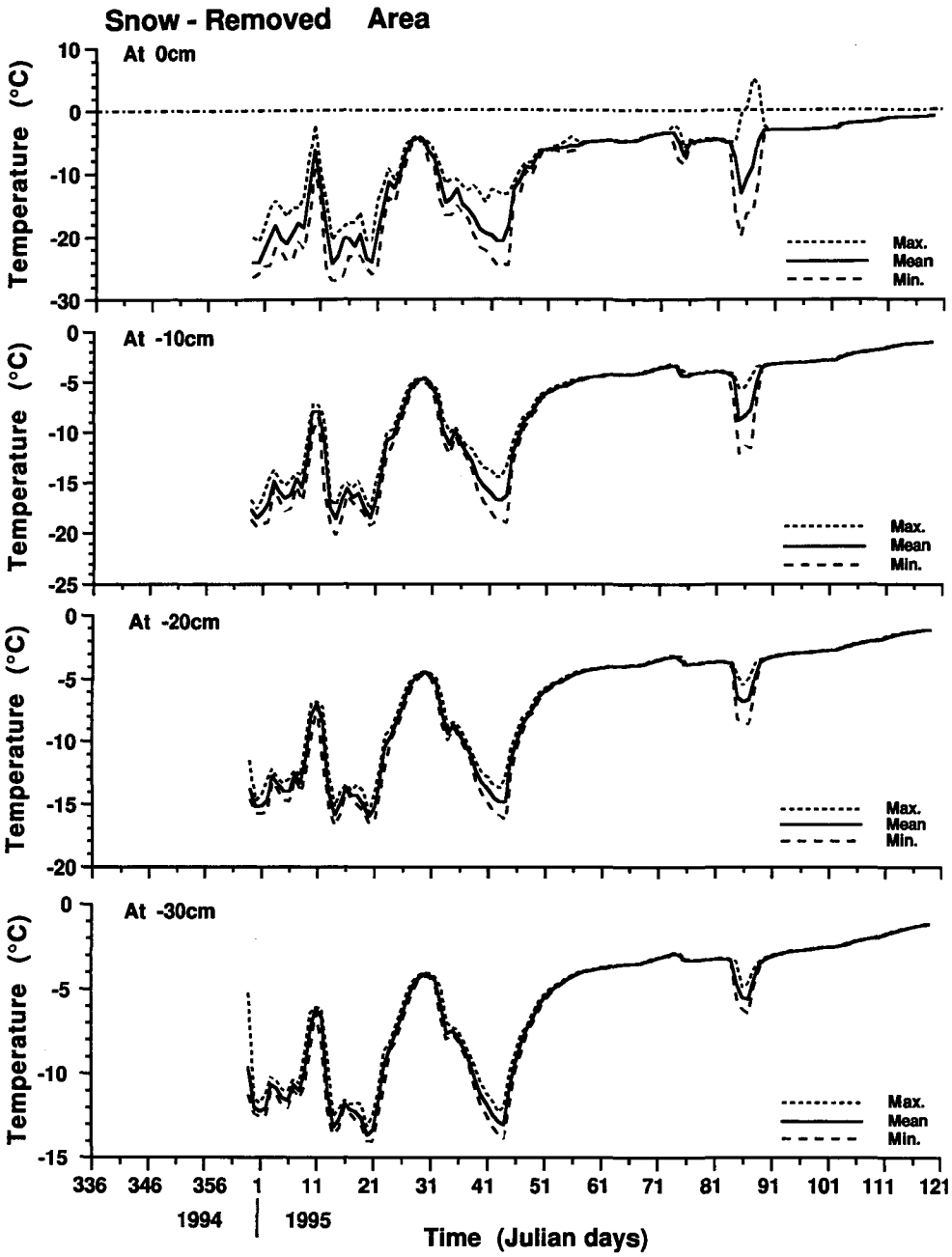
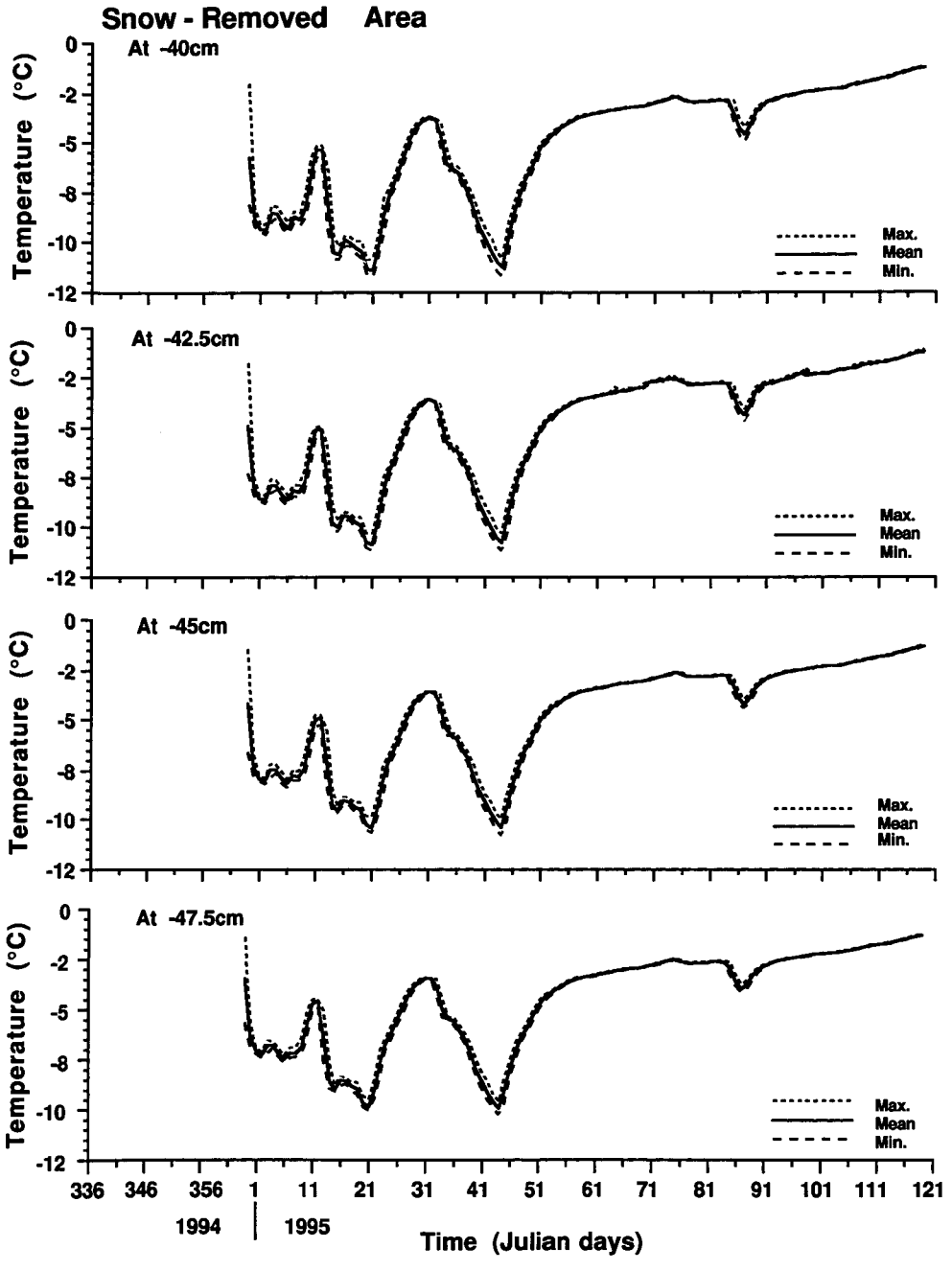
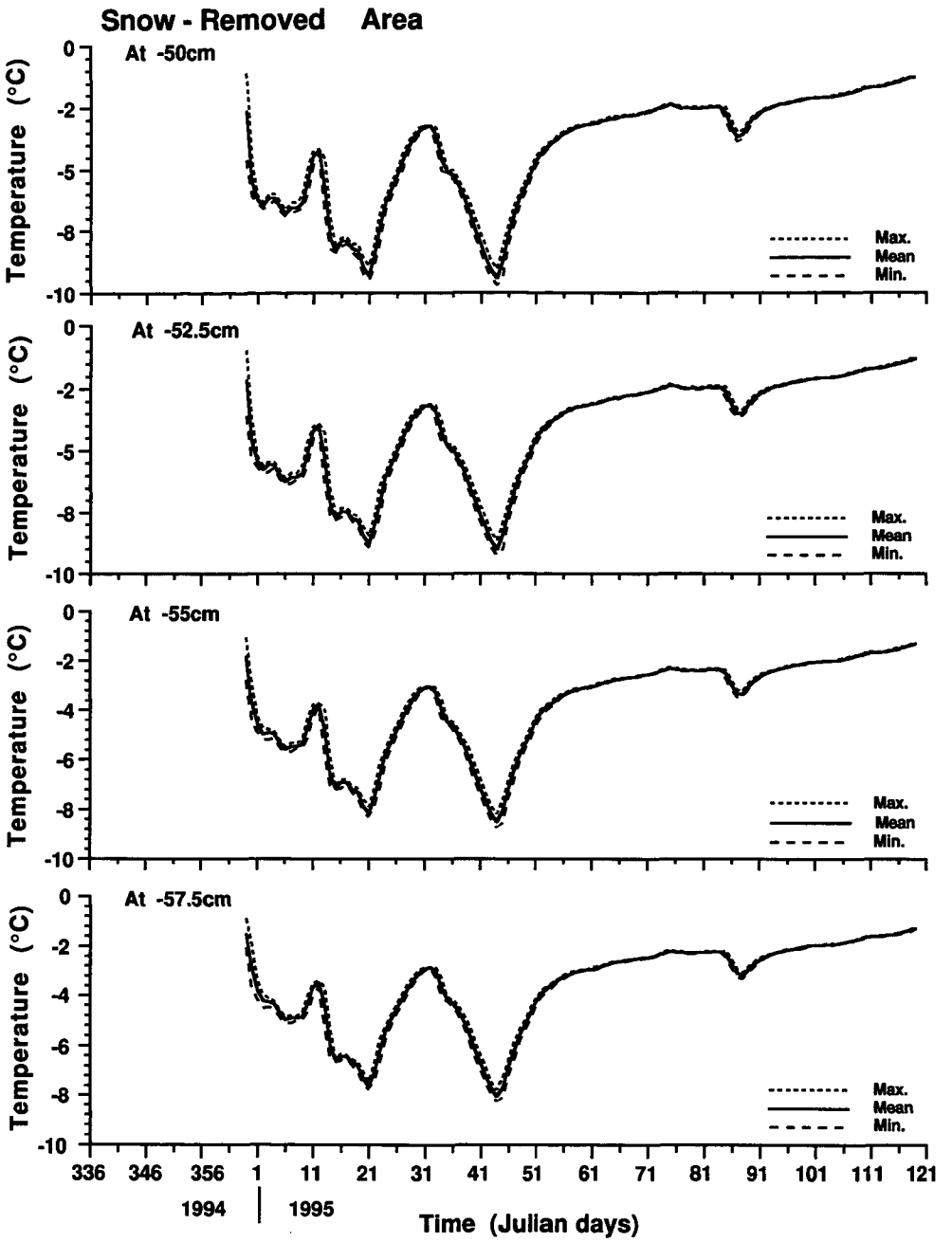


Fig. 12 Ice/water temperatures installed at the air-ice interface (0 cm) and at the depths of 10, 20, 30, 40, 42.5, 45, 47.5, 50, 52.5, 55, 57.5, 60, 65, 70 and 80 cm below the air-ice interface at the snow-removed area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.


Snow - Removed Area
At -40cm
At -42.5cm
At -45cm
At -47.5cm
Temperature (°C)
0
-2
-5
-8
-10
-12
Max.
Mean
Min.
336 346 356 1 11 21 31 41 51 61 71 81 91 101 111 121
1994
1995
Time (Julian days)


Snow - Removed Area
At -50cm
At -52.5cm
At -55cm
At -57.5cm
Temperature (°C)
Max.
Mean
Min.
336 346 356 1 11 21 31 41 51 61 71 81 91 101 111 121
1994
1995
Time (Julian days)

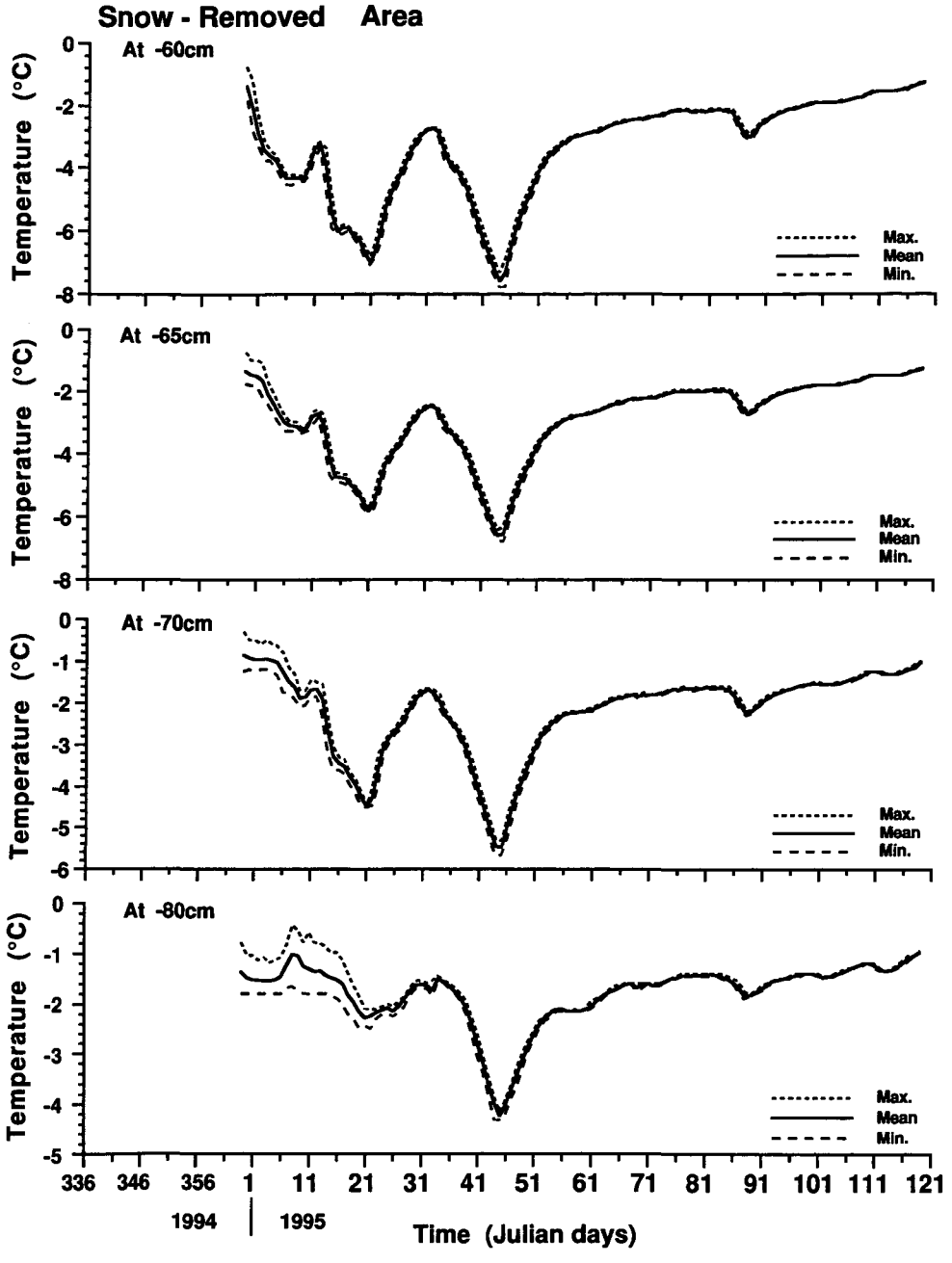

Snow - Removed Area
At -60cm
At -65cm
At -70cm
At -80cm
Temperature (°C)
Max.
Mean
Min.
336 346 356 1 11 21 31 41 51 61 71 81 91 101 111 121
1994
1995
Time (Julian days)

Table 1. Observations of meteorological parameters at Val Meteorological Station, Chaivo Research Station and Kleye Strait, northern Sakhalin.

Site	Observation	Period
Val Meteor. Station	Air temperature, wind speed and direction	1 Jan. 1992 - 31 Dec. 1994
Chaivo Res. Station	Downward long-wave radiation	18 Mar. - 6 Apr. 1994
	Air temperature, humidity, wind speed and direction, radiation	9 Apr. - 30 Nov. 1994
Sea-ice field at Kleye Strait		11 Dec. 1994 - 29 Apr. 1995
Natural area	Wind speed and direction, incoming and reflected radiation, humidity, temperatures; air at 100 and 190 cm, surface brightness, air/snow/ice/water at 50, 20, 10, 0, -10, -20, -30, -40, -42.5, -45, -47.5, -50, -55, -60, -65 and -70 cm	
Snow-removed area	Reflected radiation, surface brightness temperature, ice/water temperatures at 0, -10, -20, -30, -40, -42.5, -45, -47.5, -50, -52.5, -55, -57.5, -60, -65, -70, -80 cm	

Table 2. Daily values of air temperature, humidity, incoming radiation, wind speed and direction, and frequency of wind direction at the Chaivo Research Station. The heights of the sensors were measured in reference to the roof of the station which is about 6 m high from the ground.

April 1994

Natural Area

	Air Temperature [deg.C] Height:100cm			Humidity [%] Height:100cm			Solar Radiation Incoming [85cm] Max.	Solar Radiation Incoming [85cm] Cumulative	Wind Speed [m/s] Height:210cm		Wind Direction Height:210cm
Date	Max.	Min.	Mean	Max.	Min.	Mean	[kW/m²]	[MJ/m²]	Max.	Mean	Most Frequent
1											
2											
3											
4											
5											
6											
7											
8											
9	0.80	-7.95	-3.26	90.9	74.0	81.5	0.56	15.13	10.30	8.15	NNW
10	1.70	-5.15	-1.79	85.3	49.6	69.4	0.76	19.03	9.71	7.38	NW
11	0.20	-6.25	-2.60	84.7	66.1	75.0	0.56	15.66	4.82	3.03	NE
12	-0.75	-10.25	-3.94	90.0	75.2	81.5	0.76	20.19	9.71	4.28	SE
13	-0.70	-2.55	-1.80	96.4	84.3	93.1	0.30	7.40	12.55	10.13 *	E,ESE,SE *
14	-0.75	-2.25	-1.68	96.4	84.4	90.2	0.71	18.95	9.10	7.55 *	S,SSW *
15	0.55	-3.90	-1.60	92.3	71.6	85.5	0.70	20.01	11.57	8.78	WNW
16	2.20	-2.40	-1.03	95.1	61.9	83.6	0.85	20.54	10.25	5.94	NW
17	-0.70	-3.10	-1.94	95.8	83.5	91.1	0.49	15.24	6.36	3.46	NE
18	-0.55	-9.50	-3.76	90.6	54.9	73.6	0.75	22.02	9.55	6.07	NW
19	-0.15	-7.70	-4.05	87.9	55.5	73.5	0.72	20.16	6.72	4.89	NW
20	-0.25	-7.90	-3.73	87.7	50.7	65.5	0.76	21.19	9.40	6.86	NNW
21	-0.65	-4.65	-2.58	90.1	69.4	84.2	0.51	13.85	8.98	7.59	N
22	1.95	-9.50	-2.78	87.5	45.0	70.3	0.81	23.75	7.16	3.39	S,NW
23	-0.40	-6.90	-2.65	91.4	66.0	78.6	0.70	19.24	8.98	4.83	SSE
24	-0.85	-1.55	-1.21	96.7	90.1	93.4	0.46	11.33	10.65	7.81	SSE
25	3.05	-3.35	-0.08	97.1	83.4	93.0	0.81	22.16	6.47	3.41	SSW
26	0.00	-4.30	-1.73	96.4	91.5	95.1	0.64	15.63	6.57	4.53	NNE
27	1.00	-1.75	-0.50	96.0	88.1	93.0	0.66	17.49	6.27	5.49	NNE
28	-0.05	-1.85	-1.16	96.2	86.3	91.6	0.74	20.12	6.07	4.88	NE
29	-0.80	-2.25	-1.65	96.2	86.4	91.6	0.54	15.28	5.00	3.95	NE
30	0.15	-1.60	-0.79	97.8	93.8	96.3	0.68	20.01	4.29	3.66	SE
Month	3.05	-10.25	-2.11	97.80	45.00	84.11					

* Incomplete time series data sets.

April 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9	4	2	0	0	0	0	0	0	0	0	0	0	0	0	8	10	24
10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	9	8	24
11	4	3	7	1	0	0	0	0	0	0	0	0	0	4	5	0	24
12	3	1	3	1	0	5	9	0	0	0	0	0	0	2	0	0	24
13	0	0	0	0	4	4	4	0	0	0	0	0	0	0	0	0	12 *
14	0	0	0	0	0	0	0	2	5	5	0	0	0	0	2	0	14 *
15	1	0	0	0	0	0	0	0	0	0	0	0	5	15	3	0	24
16	0	0	0	1	0	3	2	1	0	1	0	0	0	4	12	0	24
17	2	5	9	0	1	0	0	0	1	0	0	0	0	0	1	5	24
18	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	8	24
19	3	1	0	0	0	0	0	0	0	0	0	0	0	0	11	9	24
20	8	0	0	0	0	0	0	0	0	0	0	0	0	0	7	9	24
21	13	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9	24
22	3	3	2	1	0	1	3	0	4	0	0	0	0	0	4	3	24
23	0	0	0	1	1	0	1	17	2	1	0	0	0	0	1	0	24
24	0	0	0	0	0	0	9	15	0	0	0	0	0	0	0	0	24
25	0	0	3	2	3	0	3	3	3	7	0	0	0	0	0	0	24
26	4	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	24
27	6	15	3	0	0	0	0	0	0	0	0	0	0	0	0	0	24
28	0	5	15	4	0	0	0	0	0	0	0	0	0	0	0	0	24
29	0	0	15	9	0	0	0	0	0	0	0	0	0	0	0	0	24
30	0	0	0	3	4	2	7	6	2	0	0	0	0	0	0	0	24
TOTAL	58	47	66	23	13	15	38	44	17	14	0	0	5	29	76	61	506

* Incomplete time series data sets.

May 1994

Natural Area

	Air Temperature [deg.C] Height:100cm			Humidity [%] Height:100cm			Solar Radiation Incoming [85cm] Max.	Solar Radiation Incoming [85cm] Cumulative	Wind Speed [m/s] Height:210cm		Wind Direction Height:210cm	
Date	Max.	Min.	Mean	Max.	Min.	Mean	[kW/m²]	[MJ/m²]	Max.	Mean	Most Frequent	
1	-0.40	-1.85	-1.27	97.9	96.0	97.3	0.75	19.63	2.34	1.69	ESE	
2	0.05	-2.00	-1.20	97.6	81.6	91.8	0.70	19.19	3.75	2.15	NE	
3	0.75	-2.60	-1.13	96.5	73.1	89.3	0.82	23.99	4.15	2.39	ESE,SSE	
4	3.50	-2.70	0.33	96.7	81.6	92.0	0.84	25.15	4.67	3.19	S	
5	2.10	-3.05	-0.24	97.4	88.3	93.6	0.60	17.61	7.76	4.20	SSE	
6	0.40	-0.95	-0.27	98.1	96.0	97.4	0.71	16.94	11.81	7.95	ENE	
7	2.20	-1.40	-0.09	98.4	93.5	97.0	0.88	25.36	3.37	2.19	NE	
8	1.50	-1.30	0.00	98.5	90.6	96.2	0.64	17.32	4.83	2.12	NE,WSW,W	
9	1.40	-1.10	0.43	98.0	80.9	92.2	0.58	15.45	7.74	5.74	NW	
10	2.05	-0.40	0.74	96.3	88.4	92.9	0.55	16.74	7.09	4.49	NW	
11	0.30	-1.35	-0.57	96.4	91.0	94.4	0.59	16.74	8.38	6.29	SE	
12	0.50	-1.80	-0.77	96.1	80.1	88.2	0.60	16.70	5.13	3.42	NE	
13	0.95	-1.90	-0.73	94.2	83.7	90.6	0.68	20.06	4.32	2.85	ENE	
14	1.20	-3.25	-1.04	97.8	93.3	96.5	0.88	24.80	7.12	4.83	S	
15	4.25	0.90	1.86	97.7	82.4	93.7	0.25	6.77	6.34	3.96	S	
16	2.50	-0.15	0.97	98.4	92.8	96.5	0.43	9.04	6.03	3.33	E	*
17	1.30	-0.20	0.61	99.0	96.9	98.0	0.62	16.61	3.24	3.24	ESE	*
18	0.80	-0.15	0.25	99.2	96.1	98.0	0.45	12.47				
19	2.30	-0.35	0.62	98.7	90.2	96.3	0.80	15.60	5.35	3.48	NNE	*
20	4.35	-0.40	1.53	98.6	82.7	92.0	0.80	25.70	4.40	2.96	S	
21	7.85	1.05	4.80	91.7	67.6	77.9	0.31	9.24	5.33	2.61	NNE,W	
22	5.60	0.95	3.56	98.5	84.3	94.0	0.69	12.27	5.42	2.58	ENE,W,WNW	
23	10.65	0.25	3.99	98.3	62.4	87.5	0.88	25.97	5.15	3.18	WNW	
24	4.55	0.45	2.08	98.9	77.0	91.1	0.86	24.70	4.34	3.05	SSE	
25	3.85	1.10	2.35	97.4	90.3	93.4	0.84	27.44	6.47	4.35	S	
26	13.50	0.90	7.08	96.2	67.3	83.5	0.81	20.73	7.88	3.33	SE	
27	5.00	1.75	3.49	99.3	92.6	96.4	0.21	5.35	3.94	2.20	E,ESE	
28	6.45	0.60	2.52	99.6	91.8	98.0	0.39	9.06	10.32	4.83	S	
29	11.15	3.25	6.64	96.2	72.6	88.3	0.85	20.46	12.26	6.43	WSW	
30	9.25	0.85	4.64	97.5	84.1	92.7	0.74	16.65	4.48	2.09	E,ESE	
31	5.30	-0.95	2.14	99.5	90.0	96.6	0.50	12.10	4.37	2.94	NNE	
Month	13.50	-3.25	1.40	99.6	62.4	93.0						

* Incomplete time series data sets.

May 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL	
1	0	0	0	0	5	11	3	3	0	0	0	0	1	0	1	0	24	
2	1	1	7	4	1	2	2	0	0	0	0	0	1	2	3	0	24	
3	0	1	1	0	0	5	3	5	4	2	0	0	0	0	1	2	24	
4	0	0	0	1	0	0	1	0	10	5	0	4	0	0	1	2	24	
5	0	0	0	0	2	6	4	9	3	0	0	0	0	0	0	0	24	
6	3	2	3	10	0	0	0	0	0	0	0	0	0	0	3	3	24	
7	1	3	9	6	0	0	0	1	4	0	0	0	0	0	0	0	24	
8	0	3	5	1	0	0	0	0	0	0	0	5	5	3	1	1	24	
9	0	0	0	0	0	0	0	0	0	0	0	2	4	4	13	1	24	
10	0	0	0	0	1	0	5	1	1	0	0	0	0	6	10	0	24	
11	0	0	0	0	0	7	17	0	0	0	0	0	0	0	0	0	24	
12	1	5	9	5	3	1	0	0	0	0	0	0	0	0	0	0	24	
13	0	2	8	12	1	0	1	0	0	0	0	0	0	0	0	0	24	
14	0	0	0	0	0	1	2	5	16	0	0	0	0	0	0	0	24	
15	0	1	0	0	0	1	1	4	7	2	0	0	4	2	1	1	24	
16	1	0	0	4	5	2	0	3	3	0	0	0	2	0	0	0	20	*
17	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	*
18																		
19	3	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10	*
20	1	2	0	1	0	0	1	0	12	0	0	2	1	0	3	1	24	
21	2	3	2	1	1	2	1	1	1	0	0	2	3	2	2	1	24	
22	2	0	0	4	1	1	0	2	3	0	0	1	4	4	0	2	24	
23	3	1	0	2	0	0	0	1	0	0	0	0	2	8	7	0	24	
24	0	0	1	2	0	1	2	10	1	0	0	0	0	2	3	2	24	
25	0	0	0	0	0	0	0	4	15	5	0	0	0	0	0	0	24	
26	0	1	2	0	0	1	6	3	5	1	0	2	2	0	1	0	24	
27	0	0	1	1	8	8	3	3	0	0	0	0	0	0	0	0	24	
28	2	1	0	1	4	2	0	5	7	0	0	0	1	0	0	1	24	
29	1	1	3	1	2	0	0	0	0	0	0	12	1	1	0	2	24	
30	2	2	2	3	4	4	3	2	0	0	0	0	0	0	1	1	24	
31	0	10	4	7	1	0	1	0	0	0	0	0	0	0	1	0	24	
TOTAL	23	45	58	66	39	56	56	62	92	15	0	30	31	34	52	20	679	

* Incomplete time series data sets.

June 1994

Natural Area

Date	Air Temperature [deg.C] Height:100cm			Humidity [%] Height:100cm			Solar Radiation Incoming [85cm]		Wind Speed [m/s] Height:210cm		Wind Direction Height:210cm
	Max.	Min.	Mean	Max.	Min.	Mean	Max. [kW/m²]	Cumulative [MJ/m²]	Max.	Mean	Most Frequent
1	4.45	-1.15	1.95	99.8	95.6	98.9	0.83	23.43	6.08	3.38	SSE
2	3.05	0.95	2.16	100.0	97.0	99.2 *	0.23	8.47	3.97	2.93	ENE,SE
3	2.90	0.85	1.79	99.6	97.6	98.7	0.16	5.64	6.19	4.70	NNE
4	6.75	1.75	3.48	99.6	87.6	95.8	0.64	13.92	5.14	3.62	NNE
5	10.85	2.50	6.66	98.9	80.5	90.1	0.87	28.92	6.30	3.36	S
6	11.75	4.60	7.78	96.5	72.2	83.5	0.88	28.64	8.68	4.71	S
7	8.40	2.35	5.63	98.6	84.9	92.4	0.87	28.93	7.48	3.94	S
8	5.15	0.95	3.27	99.8	92.3	96.8	0.78	23.43	4.99	3.62	S
9	10.95	3.60	6.34	98.2	52.6	81.8	0.87	23.13	5.44	3.85	S
10	4.50	2.70	3.33	100.0	93.2	96.8 *	0.78	15.72	6.87	5.28	SSE
11	15.30	1.05	7.10	100.0	71.7	91.5 *	0.83	19.90	10.16	5.23	S
12	8.40	2.60	4.51	100.0	91.4	96.3 *	0.81	21.82	7.75	4.03	S
13	7.50	2.40	5.28	99.6	92.2	97.2	0.88	22.51	8.70	3.94	SSE
14	11.70	3.45	6.21				0.61	15.03	4.50	2.26	E
15	6.75	1.05	3.88				0.90	18.48	5.19	3.13	ENE
16	5.00	2.10	3.43				0.87	21.27	4.37	3.42	E
17	4.05	2.35	3.29				0.40	11.58	5.45	4.59	SSE
18	3.05	0.45	1.98				0.68	20.40	4.50	3.56	SSE
19	9.60	-0.25	4.90				0.87	29.90	8.58	4.56 *	S *
20	19.70	6.45	13.52				0.88	28.08	10.86	5.48	S
21	22.15	12.05	16.49				0.88	27.10	9.68	6.96	WSW
22	12.60	3.65	8.55				0.38	9.65	4.32	2.77	ENE
23	11.20	3.00	6.33				0.81	19.26	6.93	3.06	NE,ENE,SSE,S,SSW
24	11.05	5.30	7.40				0.40	10.70	4.26	2.88	NNW
25	11.60	5.05	7.36				0.40	9.90	4.50	3.33	NNW
26	8.05	5.00	5.81				0.29	7.36	3.63	2.28	ENE
27	9.25	4.85	6.10				0.54	11.74	5.67	3.61	NE
28	6.25	4.65	5.54				0.73	18.22	7.59	4.19	SSE
29	6.65	5.40	5.96				0.12	3.59	6.79	3.66	S
30	6.40	5.55	5.84				0.21	5.57	3.59	2.36	E
Month	22.15	-1.15	5.73								

* Incomplete time series data sets.

June 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	1	0	0	0	0	5	2	10	6	0	0	0	0	0	0	0	24
2	0	0	2	6	5	5	6	0	0	0	0	0	0	0	0	0	24
3	5	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24
4	0	12	5	5	0	0	0	0	0	0	0	0	1	0	1	0	24
5	1	1	0	1	0	1	2	2	8	1	0	0	0	2	3	2	24
6	0	2	2	0	1	0	1	2	11	5	0	0	0	0	0	0	24
7	0	0	0	0	0	1	0	5	15	3	0	0	0	0	0	0	24
8	1	0	2	2	1	1	1	4	11	0	0	0	0	0	0	1	24
9	1	0	1	0	0	2	1	2	7	0	0	0	0	0	4	6	24
10	0	0	0	0	0	0	0	15	9	0	0	0	0	0	0	0	24
11	0	0	0	1	0	0	1	4	11	0	0	1	1	1	4	0	24
12	0	0	1	0	2	0	1	4	10	0	0	0	0	0	4	2	24
13	0	0	0	0	2	1	2	11	7	1	0	0	0	0	0	0	24
14	2	1	0	4	6	1	4	2	1	0	0	0	0	0	1	2	24
15	0	2	1	8	6	5	1	1	0	0	0	0	0	0	0	0	24
16	0	0	0	2	10	9	3	0	0	0	0	0	0	0	0	0	24
17	0	0	0	0	0	0	1	18	5	0	0	0	0	0	0	0	24
18	0	0	0	0	0	0	6	12	6	0	0	0	0	0	0	0	24
19	0	0	0	0	0	0	0	5	12	6	0	0	0	0	0	0	23 *
20	1	0	0	0	0	2	0	0	8	4	0	7	2	0	0	0	24
21	0	0	0	0	0	0	0	0	2	0	0	13	6	1	2	0	24
22	0	0	5	8	5	2	0	1	1	0	0	0	0	0	1	1	24
23	0	0	4	4	0	3	1	4	4	4	0	0	0	0	0	0	24
24	5	2	3	4	2	0	0	0	0	0	0	0	0	0	2	6	24
25	0	0	0	4	0	2	0	1	0	2	0	0	0	2	6	7	24
26	1	0	5	10	0	0	0	2	1	2	0	0	2	0	0	1	24
27	0	5	19	0	0	0	0	0	0	0	0	0	0	0	0	0	24
28	0	0	1	2	0	1	6	8	6	0	0	0	0	0	0	0	24
29	0	0	0	0	0	0	0	7	14	3	0	0	0	0	0	0	24
30	0	0	0	4	9	3	4	3	1	0	0	0	0	0	0	0	24
TOTAL	18	43	52	65	49	44	43	123	156	31	0	21	12	6	28	28	719

* Incomplete time series data sets.

July 1994

Natural Area

Date	Air Temperature [deg.C] Height:100cm Max.	Min.	Mean	Humidity [%] Height:100cm Max.	Min.	Mean	Solar Radiation Incoming [85cm] Max. [kW/m²]	Cumulative [MJ/m²]	Wind Speed [m/s] Height:210cm Max.	Mean	Direction Height:210cm Most Frequent
1	7.50	5.20	6.09				0.46	11.86	4.45	3.30	ENE,E
2	7.25	5.70	6.55				0.15	3.93	6.64	5.08	SE
3	6.90	5.35	6.11				0.50	11.39	6.21	3.62	ESE
4	6.70	5.60	6.26				0.30	8.76	4.26	3.11	NNE
5	10.15	5.20	7.33				0.89	29.36	5.15	3.51 *	ESE *
6	11.55	4.40	8.18				0.89	29.59	4.94	2.38	E,ESE
7	14.00	4.85	9.63				0.89	28.80	4.67	2.53	ESE
8	11.35	6.35	8.72				0.88	28.02	6.60	3.78	SSE
9	9.30	5.40	7.34				0.63	20.98	6.35	4.36	SSE
10	6.80	3.80	5.34				0.52	16.01	5.49	4.79	SSE
11	9.95	4.30	6.67				0.56	15.34	4.82	3.28	ESE
12	16.00	7.40	10.13				0.79	19.15	4.64	2.86	NNW
13	11.90	6.25	8.39				0.60	18.67	7.49	3.81	S
14	12.20	7.05	9.93				0.37	6.52	23.87	3.77	NNE
15	16.90	9.10	12.30				0.76	19.36	5.98	3.08	SSW,NW,NNW
16	23.20	10.60	17.55				0.87	20.39	9.49	5.70	WSW
17	16.75	9.70	12.58				0.24	6.36	2.99	1.95	ENE
18	10.90	9.00	10.15				0.53	13.21	4.75	3.20	SSE
19	9.85	7.15	8.65				0.43	8.15	7.20	5.16	S
20	15.10	6.60	9.29				0.35	8.01	5.72	3.63	S
21	18.15	7.15	11.51				0.86	28.66	8.04	5.13	S
22	18.60	6.30	11.44				0.86	19.77	5.45	2.86	E
23	18.25	8.00	11.53						5.98	3.18	NNW
24	14.70	7.25	10.93						4.84	2.62	E,ESE
25	14.20	7.00	10.92				0.86	27.58	5.76	3.20	SSE
26	11.95	9.15	10.65				0.43	10.01	4.61	3.00	SE
27	16.00	10.45	13.38				0.82	21.99	4.85	2.54	ENE
28	17.05	8.80	13.58				0.85	27.76	4.37	2.55	SE
29	12.70	10.10	11.13				0.24	6.74	5.00	2.98	SSE
30	23.05	9.65	16.76				0.82	23.57	9.50	4.79	SSW
31	24.60	11.15	16.51				0.82	24.54	4.96	2.91	WNW
Month	24.60	3.80	10.18								

* Incomplete time series data sets.

July 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	0	9	9	3	3	0	0	0	0	0	0	0	0	0	24
2	0	0	0	0	0	3	17	4	0	0	0	0	0	0	0	0	24
3	0	3	1	2	2	10	6	0	0	0	0	0	0	0	0	0	24
4	2	6	2	5	4	1	4	0	0	0	0	0	0	0	0	0	24
5	0	0	0	1	10	11	1	0	0	0	0	0	0	0	0	0	23 *
6	0	0	1	2	7	7	2	5	0	0	0	0	0	0	0	0	24
7	3	2	1	2	0	7	3	4	1	0	0	0	1	0	0	0	24
8	0	0	0	0	0	2	2	12	8	0	0	0	0	0	0	0	24
9	0	0	0	0	0	0	0	13	11	0	0	0	0	0	0	0	24
10	0	0	0	0	0	0	1	14	9	0	0	0	0	0	0	0	24
11	0	3	3	4	2	8	2	2	0	0	0	0	0	0	0	0	24
12	1	1	1	0	0	3	0	2	3	0	0	0	0	0	3	10	24
13	0	0	1	0	0	3	2	3	14	1	0	0	0	0	0	0	24
14	3	7	1	5	2	2	2	1	1	0	0	0	0	0	0	0	24
15	3	1	0	0	0	1	0	1	2	4	0	1	1	2	4	4	24
16	1	1	2	0	1	0	0	0	0	0	0	11	6	1	1	0	24
17	0	0	1	8	3	1	1	3	3	0	0	0	0	3	1	0	24
18	0	0	0	0	5	4	4	6	5	0	0	0	0	0	0	0	24
19	0	0	0	0	0	1	1	3	19	0	0	0	0	0	0	0	24
20	0	0	0	0	0	1	5	4	8	0	0	0	1	2	2	1	24
21	0	0	0	0	0	0	1	3	9	1	0	0	0	3	6	1	24
22	1	1	0	3	7	0	1	2	4	2	0	0	2	1	0	0	24
23	0	1	4	5	3	0	0	0	0	0	0	0	0	1	4	6	24
24	0	1	1	1	5	5	1	0	3	0	0	0	1	4	2	0	24
25	0	0	0	1	0	2	7	13	1	0	0	0	0	0	0	0	24
26	0	0	0	0	0	6	13	4	1	0	0	0	0	0	0	0	24
27	0	0	2	8	3	3	0	1	3	2	0	0	0	1	1	0	24
28	0	0	0	0	0	1	8	5	1	0	0	0	1	6	2	0	24
29	0	0	0	0	0	0	3	12	9	0	0	0	0	0	0	0	24
30	1	0	1	0	1	0	1	3	2	5	0	1	4	3	2	0	24
31	0	0	0	1	5	1	3	2	2	1	0	0	1	6	1	1	24
TOTAL	15	27	22	57	69	86	94	122	119	16	0	13	18	33	29	23	743

* Incomplete time series data sets.

August 1994

Natural Area

Date	Air Temperature [deg.C] Height:100cm Max.	Min.	Mean	Humidity [%] Height:100cm Max.	Min.	Mean	Solar Radiation Incoming [85cm] Max. [kW/m²]	Cumulative [MJ/m²]	Wind Speed [m/s] Height:210cm Max.	Mean	Direction Height:210cm Most Frequent
1	14.80	8.35	11.92						6.92	3.70	S
2	18.85	10.85	13.32						6.06	3.87	NW
3	11.60	9.20	10.43						6.73	3.34	S
4	21.30	10.60	15.22						5.68	3.45	NW
5	24.35	11.65	18.06						8.14	6.07	W
6	24.00	16.10	19.70						7.89	5.51	WSW
7	23.10	14.85	17.36						5.00	3.55	S
8	16.75	14.30	15.50						3.80	2.28	ESE,S
9	20.90	14.25	17.56						4.92	2.78 *	S *
10	24.95	14.50	19.41						8.73	3.97	S
11	17.75	14.10	15.83						6.78	4.89	S
12	20.10	11.55	15.64						5.78	3.98	NW
13	21.75	11.65	15.98						7.35	3.93	W,WNW
14	15.50	11.95	14.38						5.19	3.03	NNW
15	15.00	11.30	12.51						7.17	4.01	NE
16	17.95	9.30	13.94						8.69	5.30	S
17	14.45	12.35	13.16						8.30	5.37	SSW
18	18.10	10.10	14.23						7.54	4.78	NW
19											
20											
21	17.45	13.35	15.42	91.5	72.1	80.4			8.78	5.91	SSW
22	18.30	13.45	16.08	97.7	80.2	90.3			6.57	3.78	W
23	22.05	12.95	16.11	97.1	57.2	88.4			4.62	2.41	ESE,NNW
24	17.90	11.65	15.20	97.6	80.3	90.6			6.78	3.68	S
25	18.75	14.15	16.50	98.9	86.7	94.6			6.07	3.59	S
26	20.50	15.40	17.16	100.0	86.7	95.8 *			9.41	5.95	S
27	22.45	15.40	19.30	96.9	69.6	86.6			11.12	6.33	WSW,W
28	23.65	14.65	19.30	97.5	62.5	82.2			8.33	4.66	W
29	23.90	14.50	19.78	95.6	70.3	85.4			9.35	4.57	W
30	23.00	14.80	18.02	96.5	59.6	85.4			6.27	3.53	S
31	27.25	14.80	19.55	96.4	69.3	87.4			7.95	4.53	NE,S
Month	27.25	8.35	16.09	100.0	57.2	87.9					

* Incomplete time series data sets.

August 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	0	2	3	2	5	3	8	1	0	0	0	0	0	0	24
2	3	1	0	1	1	0	3	1	2	4	0	0	0	0	6	2	24
3	0	0	0	0	0	1	1	8	14	0	0	0	0	0	0	0	24
4	1	1	0	2	0	0	1	1	0	0	0	0	1	3	8	6	24
5	0	0	0	0	0	1	0	0	0	0	0	3	10	9	1	0	24
6	0	1	0	0	0	1	0	0	0	0	0	14	4	1	3	0	24
7	1	4	2	2	1	0	1	0	6	0	0	0	1	4	2	0	24
8	2	1	2	1	1	4	2	2	4	1	0	0	0	1	1	2	24
9	1	1	0	1	2	1	2	3	9	1	0	0	2	0	0	0	23 *
10	0	0	0	0	0	1	1	0	7	4	0	3	3	1	3	1	24
11	0	0	0	0	0	0	0	0	16	2	0	0	0	0	1	5	24
12	0	0	1	1	0	0	1	1	2	0	0	0	1	5	9	3	24
13	0	0	0	2	0	2	0	2	4	3	0	0	5	5	1	0	24
14	0	0	1	0	2	1	4	5	2	0	0	0	1	0	1	7	24
15	2	3	5	1	1	4	0	0	0	0	0	0	0	2	2	4	24
16	0	0	0	1	1	0	1	1	10	1	0	1	7	1	0	0	24
17	3	2	1	0	1	1	1	1	4	9	0	0	0	0	0	1	24
18	0	0	0	0	0	0	0	0	0	0	0	0	1	7	11	5	24
19																	
20																	
21	0	0	0	0	0	0	0	4	9	11	0	0	0	0	0	0	24
22	0	0	0	1	0	0	0	0	1	5	0	4	6	4	2	1	24
23	3	1	0	2	3	4	1	0	0	0	0	0	2	2	2	4	24
24	0	0	1	0	1	0	1	0	10	3	0	0	5	3	0	0	24
25	0	1	0	0	0	1	1	6	13	2	0	0	0	0	0	0	24
26	2	0	0	1	1	0	0	5	10	4	0	0	0	0	0	1	24
27	1	0	0	0	0	0	0	0	1	2	0	7	7	2	2	2	24
28	0	0	0	2	0	1	1	1	1	1	0	3	10	2	1	1	24
29	1	3	0	0	2	0	0	1	0	0	0	4	10	1	2	0	24
30	0	0	0	0	0	0	1	3	8	1	0	0	3	7	0	1	24
31	1	1	5	3	0	0	0	0	5	3	0	2	2	2	0	0	24
TOTAL	21	20	18	23	20	25	28	48	146	58	0	41	81	62	58	46 *	695

* Incomplete time series data sets.

September 1994

Natural Area

Date	Air Temperature [deg.C] Height:100cm			Humidity [%] Height:100cm			Solar Radiation Incoming [85cm] Max. [kW/m²]	Solar Radiation Incoming [85cm] Cumulative [MJ/m²]	Wind Speed [m/s] Height:210cm		Wind Direction Height:210cm
	Max.	Min.	Mean	Max.	Min.	Mean			Max.	Mean	Most Frequent
1	17.05	13.65	15.00	96.6	89.8	93.6			6.88	3.67	E
2	14.85	10.85	13.42	99.3	89.7	96.3			9.24	6.67	E
3	13.60	10.85	11.98	93.1	76.1	88.3			11.90	9.84	NW
4	12.20	10.20	10.99	94.6	81.1	89.0			9.57	7.58	NNW
5	12.85	10.20	11.44	98.4	83.8	94.4			4.39	3.47	NNW
6	13.55	11.70	12.74	100.0	96.5	98.5 *			5.67	3.59 *	SSE *
7	19.45	13.65	16.03	100.0	66.7	89.8 *			10.39	3.85	W,WNW
8	16.30	13.10	14.85	99.3	87.1	93.2			4.52	2.82	S
9	14.80	11.80	13.22	100.0	96.5	98.9 *			6.12	4.39	NNE
10	13.45	11.85	12.56	100.0	89.9	94.4 *			8.28	6.22	NW
11	17.90	10.55	13.20	98.6	62.1	88.9			6.31	3.62	W
12	15.80	9.75	12.49	95.8	53.6	77.5			6.45	4.38	NW
13	17.55	10.55	13.71	95.1	42.5	71.5			8.89	6.25	W
14	21.05	11.35	15.62	94.8	54.6	77.5			8.43	4.95	WSW
15	23.20	10.75	14.76	99.4	56.8	84.0			5.52	3.17	NE
16	12.20	9.75	11.04	100.0	94.3	98.0 *			3.56	2.61	SE
17	13.00	11.10	11.87	96.9	88.9	93.9			3.76	2.89	SE
18	12.45	10.80	11.77	97.0	86.5	91.4			5.49	3.99	SE
19	12.65	11.00	12.02	98.1	88.8	93.2			5.20	4.07	ESE
20	12.10	10.45	11.19	91.4	74.8	81.3			6.59	5.56	ESE
21	12.35	10.25	11.14	90.5	68.3	76.4			5.73	4.90	ESE
22	12.05	8.95	10.64	92.6	67.9	78.3			5.42	3.73	S
23	12.00	6.10	9.51	96.9	67.1	83.9			7.48	4.47	S
24	11.35	6.95	9.38	95.4	69.5	84.0			7.67	5.37	S
25	11.75	9.85	10.98	100.0	96.0	98.1 *			5.22	3.64	SSE
26	11.35	9.05	10.61	100.0	94.6	98.3 *			4.78	2.62	NE
27	14.05	8.85	11.26	99.9	87.9	96.0			4.13	2.51	S
28	13.50	9.35	10.83	100.0	97.5	99.8 *			2.41	1.47	ESE
29	13.70	8.65	10.67	100.0	78.6	95.5 *			4.07	2.25	WNW
30	12.30	9.40	10.48	100.0	94.6	98.1 *			4.34	3.19	S
Month	23.20	6.10	12.18	100.0	42.5	90.1					

* Incomplete time series data sets.

September 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	1	3	7	8	1	0	0	0	0	0	0	0	0	0	4	24
2	5	1	6	1	7	0	0	0	0	0	0	0	0	0	0	4	24
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	11	24
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	18	24
5	2	3	0	2	4	2	1	3	0	0	0	0	0	0	0	7	24
6	3	0	0	0	1	1	1	15	1	0	0	0	0	0	0	1	23 *
7	0	2	0	0	0	0	0	1	0	0	0	6	7	7	0	1	24
8	1	2	1	3	1	1	2	3	9	0	0	0	0	0	1	0	24
9	2	16	5	1	0	0	0	0	0	0	0	0	0	0	0	0	24
10	2	0	0	0	0	0	0	0	0	0	0	0	0	3	14	5	24
11	0	1	4	1	1	1	0	1	3	0	0	2	7	3	0	0	24
12	3	2	0	0	0	0	0	0	0	0	0	5	1	3	9	1	24
13	0	1	0	0	0	0	0	1	1	2	0	4	8	7	0	0	24
14	0	1	1	0	1	0	0	4	3	4	0	6	1	3	0	0	24
15	0	3	4	2	2	0	1	0	2	2	0	1	3	2	1	1	24
16	0	0	4	4	3	3	6	4	0	0	0	0	0	0	0	0	24
17	0	0	0	0	0	5	17	2	0	0	0	0	0	0	0	0	24
18	0	0	0	0	0	1	20	3	0	0	0	0	0	0	0	0	24
19	0	0	0	0	0	16	8	0	0	0	0	0	0	0	0	0	24
20	0	0	0	0	11	12	1	0	0	0	0	0	0	0	0	0	24
21	0	0	0	0	1	16	4	3	0	0	0	0	0	0	0	0	24
22	0	1	0	0	0	0	0	6	14	2	0	0	0	0	0	1	24
23	1	0	0	0	0	0	0	1	12	5	0	0	0	2	1	2	24
24	1	0	0	1	0	0	0	0	20	1	0	0	1	0	0	0	24
25	0	0	1	5	2	1	4	7	4	0	0	0	0	0	0	0	24
26	0	4	6	1	2	1	0	0	0	1	0	0	1	1	4	3	24
27	1	0	0	2	1	1	2	5	10	0	0	0	1	0	0	1	24
28	1	2	4	2	0	7	2	5	1	0	0	0	0	0	0	0	24
29	3	2	0	0	1	2	2	2	2	0	0	0	0	6	3	1	24
30	0	0	0	0	0	1	4	6	9	4	0	0	0	0	0	0	24
TOTAL	25	42	39	32	46	72	75	72	91	21	0	24	30	37	52	61	719

* Incomplete time series data sets.

October 1994

Natural Area

	Air Temperature [deg.C] Height:100cm			Humidity [%] Height:100cm			Solar Radiation Incoming [85cm] Max.	Solar Radiation Incoming [85cm] Cumulative	Wind Speed [m/s] Height:210cm		Wind Direction Height:210cm
Date	Max.	Min.	Mean	Max.	Min.	Mean	[kW/m²]	[MJ/m²]	Max.	Mean	Most Frequent
1	10.90	9.70	10.28	100.0	94.9	98.2 *			5.84	4.18	ESE
2	10.40	8.55	9.81	99.3	97.1	98.2			7.40	5.90	NNE
3	12.20	5.85	9.24	98.1	59.2	80.4			6.20	4.57	NW
4	14.85	4.15	9.71	100.0	62.6	87.8 *			7.67	4.15	WSW
5	12.20	9.05	10.86	100.0	95.8	98.4 *			8.43	4.59	S
6	14.50	9.70	11.30	100.0	57.7	86.6 *			9.66	6.02	S
7	15.00	6.20	9.85	98.3	66.2	86.7			6.78	3.20	SSE
8	8.25	2.70	5.11	82.2	40.4	60.8			8.42	6.97	W
9	7.60	2.55	4.59	93.2	69.7	81.4			11.25	8.03	W
10	10.55	4.15	7.15	78.9	50.3	67.4			7.96	5.69	W
11	12.25	3.40	7.93	91.3	46.9	72.0			5.05	3.84	W
12	10.90	5.05	7.49	95.9	57.1	84.5			4.07	2.72	NW
13	8.10	6.30	7.29	92.2	75.0	84.0			7.83	5.80	E
14	7.35	3.30	6.01	91.9	64.4	80.9			7.19	5.61	N,NNE
15	4.35	1.15	2.16	98.8	86.4	94.5			5.81	3.21	WNW,NW
16	1.40	-1.65	-0.27	98.5	67.9	86.7			7.60	5.30	WNW,NW
17	4.70	-1.35	1.76	99.1	69.8	86.4			11.46	7.27	NW,NNW
18	8.05	1.70	4.54	89.0	53.7	73.9			6.47	4.80	WNW
19	4.90	1.45	3.09	98.6	80.0	92.1			5.73	4.06	NNW
20	4.00	-0.75	1.62	92.9	67.0	83.6			8.27	6.10	NW
21	3.65	-1.20	1.46	90.6	56.3	71.6			12.01	8.44	W
22	1.80	-1.30	0.34	96.6	57.8	79.0			10.85	6.71	NW
23	2.35	-0.05	1.26	97.6	63.5	85.8			11.96	9.64	NW
24	6.80	-1.70	2.37	72.9	48.5	59.9			8.24	7.09	WNW
25	8.80	1.25	4.59	88.8	49.8	65.6			9.93	7.08	W
26	8.95	2.90	4.88	97.4	62.7	87.1			6.77	4.01	WNW
27	5.70	2.35	4.60	100.0	92.1	96.9 *			5.47	3.08	SSE
28	8.75	2.90	5.62	99.3	70.8	88.4			8.51	6.02	SSW
29	5.05	-0.80	3.16	90.2	31.3	60.5			12.84	6.64	W
30	3.20	-5.05	-1.03	85.0	45.4	61.8			6.84	3.09	W
31	-1.00	-5.75	-2.98	76.9	36.4	56.4			7.45	4.24	WNW
Month	15.00	-5.75	4.96	100.0	31.3	80.5					

* Incomplete time series data sets.

October 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	0	5	6	9	4	0	0	0	0	0	0	0	0	0	24
2	2	10	8	1	0	0	0	0	0	0	0	0	0	0	1	2	24
3	0	0	0	0	0	0	0	0	0	0	0	0	1	8	12	3	24
4	1	2	0	1	0	1	1	1	1	0	0	10	5	0	0	1	24
5	0	0	0	0	0	2	7	3	12	0	0	0	0	0	0	0	24
6	0	0	0	0	1	1	2	2	14	4	0	0	0	0	0	0	24
7	0	0	0	3	2	3	2	5	0	1	0	0	3	3	1	1	24
8	0	0	0	0	0	0	0	0	0	0	0	9	14	1	0	0	24
9	0	0	0	0	0	0	0	0	0	0	0	0	15	9	0	0	24
10	0	1	0	0	0	0	0	0	0	0	0	1	10	9	3	0	24
11	0	2	0	1	1	0	0	0	0	0	0	3	9	4	2	2	24
12	1	0	0	1	3	2	5	0	0	0	0	0	0	1	6	5	24
13	0	0	0	6	11	4	3	0	0	0	0	0	0	0	0	0	24
14	7	7	5	0	0	0	0	0	0	0	0	0	0	0	3	2	24
15	1	4	3	0	0	0	0	0	0	0	0	0	2	7	7	0	24
16	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	4	24
17	3	0	0	0	0	0	0	0	0	1	0	0	0	4	8	8	24
18	1	0	0	1	0	0	1	3	1	0	0	1	7	9	0	0	24
19	6	4	1	1	0	0	0	1	0	0	0	0	0	2	0	9	24
20	0	0	0	0	0	0	0	0	0	0	0	0	4	2	10	8	24
21	0	0	0	0	0	0	0	0	0	0	0	3	9	8	2	2	24
22	0	0	0	0	0	0	0	0	0	0	0	0	3	5	16	0	24
23	0	0	0	0	0	0	0	0	0	0	0	0	0	6	18	0	24
24	0	0	0	0	0	0	0	0	0	0	0	0	7	17	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	8	10	6	0	0	24
26	1	1	0	5	1	2	0	1	0	0	0	0	1	11	0	1	24
27	1	1	0	1	0	0	4	7	5	2	0	0	1	1	1	0	24
28	0	1	1	1	0	2	3	1	7	8	0	0	0	0	0	0	24
29	0	0	0	0	1	2	3	2	1	1	0	1	7	4	2	0	24
30	3	0	0	0	0	0	0	0	3	0	0	3	7	3	3	2	24
31	2	1	0	0	0	0	0	0	0	0	0	0	5	15	0	1	24
TOTAL	29	34	18	27	26	28	35	26	44	17	0	39	120	145	105	51	744

* Incomplete time series data sets.

November 1994

Natural Area

Date	Air Temperature [deg.C] Height:100cm Max.	Min.	Mean	Humidity [%] Height:100cm Max.	Min.	Mean	Solar Radiation Incoming [85cm] Max. [kW/m²]	Cumulative [MJ/m²]	Wind Speed [m/s] Height:210cm Max.	Mean	Direction Height:210cm Most Frequent
1	4.35	-5.25	-0.27	82.4	38.5	60.5			10.08	7.28	W
2	8.15	2.20	4.45	97.9	51.2	75.7			12.04	6.53	WSW
3	3.65	-2.85	1.38	99.7	97.7	99.1			12.48	8.00	NNE
4	-3.25	-7.30	-5.19	97.3	64.0	79.8			13.56	9.14	W
5	1.45	-3.25	-0.88	86.1	63.5	75.2			9.87	5.32	WNW
6	5.25	1.55	3.23	100.0	88.9	98.5 *			2.79	1.90	NNE
7	5.30	-7.80	-0.85	100.0	93.1	97.8 *			20.54	13.20	WNW
8	-7.65	-10.50	-8.92	90.8	59.5	72.0			19.23	14.43	WNW
9	-2.40	-9.40	-6.41	97.6	53.3	78.2			10.19	5.94	ENE
10	-2.55	-11.20	-8.02	97.6	60.0	76.2			13.56	8.51	WNW
11	-2.00	-10.80	-7.56	79.7	50.6	69.5			6.79	4.35	WSW
12	-1.75	-8.45	-4.19	97.8	79.0	92.0			10.37	7.19	NW
13	-9.05	-13.45	-11.42	80.6	70.7	76.4			10.83	9.88	WNW
14	-11.75	-16.00	-13.88	79.5	63.4	70.7			10.75	9.30	WNW
15	-8.00	-13.10	-10.54	68.8	54.7	63.5			10.96	9.50	WNW
16	-3.80	-9.55	-6.84	75.5	56.1	64.0			13.71	6.60	W
17	-2.25	-6.75	-4.66	76.0	59.8	66.9			8.58	5.97	W
18	-3.60	-11.90	-6.83	94.9	73.2	83.7			4.02	2.64	WNW
19	-7.45	-14.50	-11.45	86.6	63.8	77.0			4.58	2.82	W
20	-7.60	-14.15	-10.62	89.4	73.0	83.9			3.15	1.96	WNW
21	-8.00	-14.60	-10.49	89.3	66.1	78.7			8.07	6.30	NW
22	-12.85	-17.45	-15.31	78.8	55.5	66.9			9.66	7.72	WNW
23	-9.30	-17.10	-13.35	78.1	56.7	64.7			7.06	5.20	WNW
24	-5.45	-12.90	-9.87	86.9	69.7	81.2			5.81	3.12	SW,WSW
25	-1.20	-10.75	-6.07	92.3	80.8	87.3			4.43	2.76	NNE
26	2.15	-1.65	0.19	100.0	86.3	93.8 *			8.66	6.33	E
27	1.70	-5.30	-2.31	100.0	96.5	98.1 *					
28	-0.80	-7.55	-3.31	98.9	90.9	96.2			8.27	6.67 *	WNW *
29	-3.65	-9.60	-7.04	90.6	81.7	86.8			7.31	4.74	WSW
30	-6.40	-11.90	-9.33	91.6	81.7	86.8			4.40	1.83	W
Month	8.15	-17.45	-6.21	100.0	38.5	80.0					

* Incomplete time series data sets.

November 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	1	0	0	0	0	3	3	1	0	5	7	1	1	2	24
2	1	3	3	0	0	0	1	0	0	1	0	8	2	2	3	0	24
3	4	9	6	3	0	1	0	1	0	0	0	0	0	0	0	0	24
4	0	0	0	0	0	0	0	0	0	0	0	1	10	4	5	4	24
5	0	0	1	4	5	0	0	0	0	0	0	0	5	7	0	2	24
6	4	9	3	4	1	3	0	0	0	0	0	0	0	0	0	0	24
7	0	1	3	3	0	1	0	0	0	0	0	5	2	9	0	0	24
8	0	0	0	0	0	0	0	2	0	0	0	0	1	20	1	0	24
9	0	0	2	5	2	1	0	2	0	1	1	2	4	3	1	0	24
10	5	0	1	0	0	0	1	0	0	0	0	0	4	6	4	3	24
11	0	0	0	0	0	6	3	0	0	0	1	7	4	2	0	1	24
12	1	2	2	2	1	0	0	0	0	0	0	0	0	6	10	0	24
13	0	1	0	0	0	0	0	1	1	0	0	0	0	16	5	0	24
14	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	24
15	0	0	0	0	0	0	0	0	0	0	0	0	9	15	0	0	24
16	0	0	0	0	0	0	0	0	0	2	0	1	14	7	0	0	24
17	1	0	0	0	1	0	0	0	0	2	0	4	14	0	1	1	24
18	4	0	0	0	0	0	0	0	0	1	0	0	2	8	5	4	24
19	0	0	0	1	0	1	0	0	0	0	0	1	16	4	1	0	24
20	0	0	1	0	0	0	0	0	0	0	1	0	3	10	7	2	24
21	1	0	0	0	0	0	0	0	0	0	1	0	0	2	15	5	24
22	0	0	0	0	0	0	0	0	0	0	0	0	4	19	1	0	24
23	0	0	0	0	0	0	1	0	0	0	2	2	5	14	0	0	24
24	4	2	1	0	0	0	0	1	0	1	6	6	0	1	0	2	24
25	5	13	3	1	1	0	0	0	0	0	0	0	0	1	0	0	24
26	0	0	0	8	12	1	1	1	0	0	1	0	0	0	0	0	24
27																	
28	0	0	0	0	0	0	0	0	0	0	0	0	1	6	2	0	9 *
29	0	0	0	0	0	1	0	4	3	4	1	9	2	0	0	0	24
30	2	0	0	1	1	0	0	1	0	0	1	4	6	3	3	2	24
TOTAL	32	40	27	32	24	15	7	16	7	13	15	55	115	190	65	28	681

* Incomplete time series data sets.

Table 3. Daily values of surface brightness and air temperatures, humidities, incoming and reflected solar radiations, wind speed and direction, and frequency of wind direction at the natural area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

December 1994

Natural Area

	Brightness Temperature [deg.C]			Air Temperature [deg.C]					
	Surface			Height:100cm			Height:190cm		
Date	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11	-13.4	-17.4	-15.2	-14.70	-17.85	-16.10	-14.65	-17.75	-16.05
12	-16.1	-21.5	-19.6	-16.80	-21.90	-19.58	-16.75	-21.85	-19.48
13	-18.9	-22.6	-20.0	-19.15	-23.60	-21.69	-19.00	-23.60	-21.62
14	-18.7	-22.3	-19.9	-19.25	-23.70	-21.79	-18.95	-23.65	-21.70
15	-12.8	-18.7	-16.4	-12.85	-20.50	-17.31	-12.80	-20.45	-17.21
16	-16.8	-20.1	-18.9	-17.75	-20.75	-19.02	-17.70	-20.70	-18.95
17	-16.3	-21.1	-19.2	-17.55	-24.00	-21.11	-17.40	-23.90	-21.04
18	-16.2	-20.5	-18.5	-17.35	-22.95	-19.67	-17.20	-22.90	-19.58
19	-18.7	-22.3	-20.0	-16.65	-24.10	-20.96	-16.30	-24.10	-20.84
20	-15.9	-19.8	-18.2	-17.45	-21.30	-19.01	-17.25	-21.30	-18.91
21	-19.0	-21.6	-20.2	-19.75	-25.10	-23.12	-19.70	-25.10	-23.04
22	-18.9	-24.4	-20.5	-21.10	-27.75	-24.50	-21.00	-27.70	-24.38
23	-17.3	-24.2	-19.9	-19.30	-26.15	-23.22	-19.25	-26.20	-23.11
24	-16.5	-24.1	-18.8	-22.40	-28.85	-26.33	-21.20	-28.85	-26.14
25	-17.2	-23.8	-19.8	-21.15	-29.15	-24.97	-21.00	-29.15	-24.84
26	-18.9	-22.7	-20.4	-19.45	-25.35	-21.97	-19.30	-25.40	-21.88
27	-18.7	-23.6	-20.2	-18.90	-26.25	-23.80	-18.40	-26.20	-23.60
28	-18.6	-23.7	-20.4	-21.50	-26.30	-24.42	-21.35	-26.30	-24.31
29	-18.7	-24.8	-20.4	-22.00	-26.90	-25.39	-21.60	-26.85	-25.25
30	-18.2	-24.1	-20.5	-19.50	-26.85	-24.03	-19.10	-26.85	-23.87
31	-18.9	-23.6	-20.5	-20.40	-26.35	-23.83	-20.00	-26.25	-23.66
Month	-12.8	-24.8	-19.4	-12.85	-29.15	-21.99	-12.80	-29.15	-21.88

December 1994

Natural Area

	Humidity [%]					
	Height:100cm			Height:190cm		
Date	Max.	Min.	Mean	Max.	Min.	Mean
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	79.7	59.7	70.6	80.3	60.6	70.7
12	65.2	53.9	60.8	66.3	52.3	61.2
13	62.0	52.7	57.5	62.9	51.7	57.7
14	59.7	52.1	56.1	59.8	50.2	56.0
15	77.3	60.8	71.1	77.8	60.7	70.7
16	71.9	65.0	67.7	70.6	65.7	67.9
17	75.2	59.9	66.7	73.3	60.8	66.5
18	75.3	54.7	63.5	69.9	54.8	61.1
19	61.3	51.2	57.1	61.8	49.3	57.0
20	71.0	57.8	62.7	71.0	56.0	62.8
21	64.6	54.9	61.9	65.6	55.5	62.5
22	69.4	45.8	56.7	69.1	44.2	55.7
23	62.3	47.8	55.2	63.2	46.0	54.2
24	64.1	59.8	62.0	64.9	55.4	61.7
25	63.6	58.0	60.9	64.3	57.0	61.1
26	63.4	52.2	58.2	64.2	51.2	58.4
27	57.1	44.3	53.4	57.8	41.3	52.7
28	56.9	50.5	54.1	57.5	48.9	53.8
29	58.1	49.2	54.1	58.8	46.6	53.8
30	58.3	49.1	55.5	59.3	48.7	55.4
31	64.5	51.9	58.1	65.6	49.6	58.1
Month	79.7	44.3	60.2	80.3	41.3	59.9

December 1994

Natural Area

Date	Solar Radiation: Incoming (88cm) Max. [kW/m²]	Solar Radiation: Incoming (88cm) Cumulative [MJ/m²]	Solar Radiation: Reflected (82cm) Max. [kW/m²]	Solar Radiation: Reflected (82cm) Cumulative [MJ/m²]	Wind: Speed [m/s] Height:101cm Max.	Wind: Speed [m/s] Height:101cm Mean	Wind: Speed [m/s] Height:218cm Max.	Wind: Speed [m/s] Height:218cm Mean	Wind: Direction Height:218cm Most Frequent
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11	0.11	1.90	0.09	1.55	10.87	9.48	11.46	9.92	WNW
12	0.25	4.27	0.22	3.89	7.67	5.50	8.14	5.65	WNW
13	0.21	3.52	0.17	3.03	7.73	6.40	8.02	6.54	WNW
14	0.25	4.27	0.21	3.72	8.22	6.37	8.39	6.52	WNW
15	0.14	2.13	0.11	1.77	11.13	9.04	11.11	9.22	WNW
16	0.24	3.74	0.22	3.36	12.14	11.36	12.04	11.17	NW
17	0.15	2.43	0.12	2.07	11.74	9.74	12.87	10.21	NW
18	0.28	3.87	0.26	3.58	10.21	8.39	10.43	8.59	NNW
19	0.24	4.10	0.23	3.85	7.37	5.90	7.84	6.16	WNW
20	0.15	2.56	0.12	2.11	6.73	4.76	6.93	4.95	WNW
21	0.23	3.69	0.20	3.28	7.22	5.86	7.49	6.13	WNW
22	0.24	3.79	0.21	3.35	13.58	8.73	13.64	9.00	WNW
23	0.25	4.22	0.24	4.05	10.51	3.55	10.47	3.66	WNW
24	0.21	3.52	0.22	3.68	2.95	2.14	2.98	2.09	N,NNW
25	0.18	3.20	0.19	3.22	6.24	4.27	6.74	4.40	WNW
26	0.23	3.88	0.21	3.49	8.14	5.96	8.84	6.39	NW
27	0.24	3.91	0.21	3.49	4.11	2.64	4.33	2.84	WNW
28	0.23	3.83	0.20	3.38	4.94	3.72	5.13	3.93	WNW
29	0.25	4.14	0.22	3.68	6.23	4.34	6.50	4.51	WNW
30	0.24	4.14	0.21	3.63	5.59	3.62	5.63	3.82	WNW
31	0.23	3.97	0.20	3.42	5.29	3.59	5.35	3.76	WNW

December 1994

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11	0	0	1	1	2	4	1	2	0	0	0	1	0	8	3	1	24
12	1	1	2	1	1	0	0	0	0	0	0	0	1	17	0	0	24
13	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	24
14	0	0	0	0	0	0	0	0	0	0	0	0	4	20	0	0	24
15	0	0	0	0	0	0	1	1	0	0	0	0	2	11	4	5	24
16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	13	9	24
17	0	2	1	0	0	0	0	0	0	0	0	0	0	8	12	1	24
18	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	11	24
19	1	0	0	0	0	0	0	0	0	0	0	0	6	16	1	0	24
20	0	1	0	0	0	0	0	0	0	0	0	0	6	15	2	0	24
21	0	0	0	0	0	0	0	0	0	0	0	0	1	21	2	0	24
22	1	0	0	0	1	1	0	0	0	1	0	0	0	15	4	1	24
23	3	0	2	0	0	0	0	0	0	0	0	0	0	9	7	3	24
24	5	2	0	2	1	0	1	1	0	0	0	0	2	2	3	5	24
25	3	0	2	1	0	1	2	0	0	0	0	0	1	8	3	3	24
26	2	1	0	1	2	0	0	0	0	0	0	0	1	4	9	4	24
27	1	0	0	1	0	0	0	0	0	0	0	0	5	10	4	3	24
28	0	0	0	0	1	0	0	0	0	0	0	0	4	16	3	0	24
29	0	0	0	0	0	0	0	0	0	0	0	0	0	19	5	0	24
30	0	0	0	0	0	0	0	0	0	0	0	0	5	15	3	1	24
31	2	0	0	0	0	0	0	0	0	0	0	0	0	19	3	0	24
TOTAL	20	8	8	7	8	6	5	4	0	1	0	1	38	264	87	47	504

January 1995

Natural Area

	Brightness Temperature [deg.C]			Air Temperature [deg.C]					
	Surface			Height:100cm			Height:190cm		
Date	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean
1	-19.6	-22.6	-20.7	-18.20	-24.50	-21.44	-18.15	-24.35	-21.33
2	-15.3	-22.6	-19.2	-14.30	-24.00	-19.17	-14.20	-23.95	-18.93
3	-15.3	-19.7	-18.4	-13.40	-21.15	-17.18	-12.75	-21.00	-16.82
4	-17.6	-21.5	-19.4	-15.00	-23.15	-19.95	-13.85	-23.15	-19.63
5	-17.8	-20.2	-18.8	-16.15	-24.35	-21.32	-15.70	-24.35	-21.18
6	-16.0	-21.9	-18.5	-14.50	-23.65	-18.76	-13.95	-23.55	-18.56
7	-15.8	-19.9	-18.0	-15.00	-20.35	-17.30	-14.50	-20.30	-17.11
8	-14.0	-21.0	-18.5	-10.10	-21.30	-16.83	-9.80	-21.25	-16.28
9	-7.5	-17.1	-12.6	-7.05	-16.30	-10.77	-7.00	-15.85	-10.37
10	0.0	-15.3	-7.4	-0.25	-15.35	-7.18	-0.15	-15.20	-7.09
11	-18.7	-25.9	-22.5	-15.80	-27.70	-20.84	-15.65	-27.05	-20.26
12	-21.5	-31.8	-24.9	-24.75	-34.10	-29.17	-23.90	-33.10	-28.33
13	-20.7	-26.2	-23.8	-21.45	-31.80	-27.00	-20.70	-31.15	-26.39
14	-20.8	-26.2	-23.6	-19.30	-31.50	-24.31	-19.20	-30.80	-23.81
15	-19.0	-23.2	-20.9	-17.80	-31.50	-20.67	-17.60	-30.75	-20.44
16	-19.3	-24.1	-22.0	-17.10	-23.65	-19.81	-17.05	-23.35	-19.57
17	-19.9	-25.0	-22.8	-16.75	-24.20	-21.48	-16.50	-23.70	-20.98
18	-16.5	-24.1	-20.9	-15.95	-27.05	-21.59	-15.90	-26.35	-21.23
19	-21.6	-31.0	-24.5	-20.60	-32.00	-28.14	-18.35	-31.65	-27.24
20	-21.5	-29.6	-24.0	-20.60	-33.35	-28.44	-19.05	-33.05	-27.42
21	-16.2	-25.0	-21.1	-12.70	-30.70	-19.25	-12.55	-29.30	-18.68
22	-9.6	-22.4	-17.2	-9.45	-17.90	-14.73	-9.20	-17.50	-14.15
23	-9.3	-15.1	-11.4	-9.65	-15.45	-11.42	-9.50	-15.35	-11.31
24	-13.5	-15.6	-14.6	-14.00	-16.00	-14.90	-13.90	-15.95	-14.84
25	-10.3	-13.1	-11.8	-11.45	-13.85	-12.20	-11.40	-13.75	-12.13
26	-1.3	-9.9	-3.3	-1.10	-10.95	-3.36	-1.05	-10.90	-3.27
27	-1.8	-2.9	-2.2	-1.20	-1.70	-1.47	-1.00	-1.55	-1.28
28	-1.8	-6.0	-3.4	-1.30	-4.10	-2.14	-1.05	-4.00	-1.97
29	-4.0	-9.0	-5.6	-3.25	-6.90	-4.30	-3.20	-6.85	-4.25
30	-8.1	-11.5	-9.6	-7.80	-11.20	-9.14	-7.90	-11.20	-9.10
31	-8.7	-14.8	-10.3	-8.05	-12.95	-9.99	-8.00	-12.80	-9.91
Month	0.0	-31.8	-16.5	-0.25	-34.10	-16.59	-0.15	-33.10	-16.25

January 1995

Natural Area

	Humidity [%]					
	Height:100cm			Height:190cm		
Date	Max.	Min.	Mean	Max.	Min.	Mean
1	67.5	60.6	64.6	68.8	61.1	65.4
2	65.1	52.6	58.1	65.9	49.5	57.7
3	69.0	53.6	64.0	70.6	52.8	63.8
4	70.9	64.5	68.4	72.2	61.5	68.9
5	69.9	66.1	68.3	70.7	65.2	68.7
6	72.0	64.3	68.8	72.8	64.1	69.6
7	71.4	57.8	66.5	72.7	56.7	66.7
8	68.5	60.4	66.1	69.7	56.3	65.4
9	89.4	65.0	75.7	90.6	63.9	76.5
10	95.4	80.8	89.2	95.4	79.0	88.9
11	80.1	61.7	71.6	78.0	61.5	70.0
12	61.4	57.0	59.8	61.4	57.5	59.9
13	64.2	59.2	62.4	65.1	59.8	63.0
14	69.5	60.0	64.6	69.1	60.7	64.2
15	72.8	59.7	67.9	72.4	61.0	67.0
16	66.3	53.9	61.3	65.1	51.5	59.9
17	64.1	54.3	59.7	64.2	50.4	58.3
18	74.8	63.1	69.9	75.3	64.2	70.6
19	63.5	55.4	60.3	64.8	54.2	60.8
20	66.6	55.8	59.9	68.3	52.3	60.3
21	73.1	60.0	65.3	73.9	59.6	65.5
22	87.7	58.1	73.1	88.3	51.6	72.0
23	87.5	80.4	85.4	87.8	80.3	85.7
24	80.7	79.0	80.0	80.5	78.7	79.6
25	85.5	80.1	83.2	85.3	78.3	81.8
26	95.3	86.1	93.2	95.2	85.7	92.9
27	93.9	91.5	92.7	92.9	89.2	90.8
28	92.7	86.5	90.2	91.0	84.4	88.4
29	91.6	82.5	87.1	90.8	81.9	86.6
30	89.7	80.7	87.4	89.4	79.8	87.1
31	87.1	78.2	83.4	85.3	76.8	81.9
Month	95.4	52.6	72.5	95.4	49.5	72.2

January 1995

Natural Area

	Solar Radiation				Wind				
	Incoming (88cm)		Reflected (82cm)		Speed [m/s]				Direction
	Max.	Cumulative	Max.	Cumulative	Height:101cm		Height:206cm		Height:206cm
Date	[kW/m²]	[MJ/m²]	[kW/m²]	[MJ/m²]	Max.	Mean	Max.	Mean	Most Frequent
1	0.22	3.83	0.22	3.75	7.62	5.36	7.48	5.38	NW
2	0.24	4.15	0.20	3.56	7.07	4.86	7.66	4.94	W,WNW
3	0.21	3.63	0.17	2.95	5.22	2.73	5.66	3.04	W
4	0.22	3.81	0.21	3.60	2.56	1.33	2.88	1.57	N,WNW
5	0.21	3.70	0.20	3.44	4.16	2.86	4.24	2.89	WNW
6	0.22	3.75	0.20	3.58	5.48	2.43	5.54	2.64	SE,WNW
7	0.23	3.96	0.19	3.29	4.68	3.29	5.00	3.52	WNW
8	0.27	4.46	0.22	3.86	5.88	2.74	6.98	3.04	WNW
9	0.18	2.77	0.14	2.18	4.00	2.18	4.18	2.56	ESE,SSE
10	0.29	2.41	0.25	2.10	9.54	7.24	11.15	7.66	WNW
11	0.17	2.91	0.15	2.52	6.65	2.82	6.93	3.13	W
12	0.25	4.32	0.24	4.20	4.68	2.50	4.81	2.80	WNW
13	0.25	4.08	0.23	4.01	5.48	2.93	5.87	3.30	W
14	0.24	3.78	0.23	3.61	6.25	3.41	6.86	3.96	SSW
15	0.22	3.74	0.20	3.36	8.74	6.24	8.72	6.23	NNW
16	0.27	4.85	0.26	4.64	8.88	5.85	8.77	5.88	NW
17	0.27	4.91	0.26	4.64	6.16	3.82	6.33	4.06	WNW
18	0.11	2.26	0.14	2.77	3.15	1.54	3.56	1.78 *	WNW,NW *
19	0.13	2.34	0.27	4.90	2.59	1.31	3.05	1.51	WNW,NNW
20	0.14	2.59	0.28	5.01	1.73	0.97	1.89	1.08 *	W,WNW,NNW *
21	0.16	3.01	0.25	4.40	5.33	2.49	6.22	3.06 *	SSW *
22	0.21	3.54	0.24	3.55	5.23	1.56	5.79	1.74	SSE
23	0.17	3.01	0.15	2.66	5.40	3.18	5.94	3.45	NNW
24	0.16	3.03	0.13	2.50	5.68	3.98	7.74	6.68	N
25	0.16	3.06	0.13	2.54	5.71	4.28	7.67	5.85	NNW
26	0.18	3.16	0.15	2.59	9.97	7.14	12.05	8.49	SE
27	0.22	3.84	0.18	3.14	10.13	9.24	12.06	10.92	ESE
28	0.22	4.04	0.18	3.34	10.56	8.78	12.42	10.13	ESE
29	0.25	4.54	0.21	3.74	8.31	6.65	9.02	7.16	ENE
30	0.25	4.74	0.22	4.09	4.96	2.74	7.49	4.86	NNE
31	0.19	3.58	0.16	2.89	6.35	3.20	8.98	7.52	N

* Incomplete time series data sets.

January 1995

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	0	3	0	0	2	0	0	0	2	0	0	7	9	1	24
2	0	0	0	0	0	0	0	0	0	0	0	0	12	12	0	0	24
3	1	0	0	0	0	0	0	0	0	0	0	0	12	10	1	0	24
4	6	3	0	0	0	0	0	0	0	0	0	0	1	6	4	4	24
5	0	2	1	0	0	0	0	0	0	0	0	0	1	14	6	0	24
6	0	1	0	1	1	0	5	1	2	0	0	1	2	5	4	1	24
7	1	0	0	0	0	0	0	0	0	0	0	0	9	14	0	0	24
8	1	1	0	1	0	0	1	1	2	2	0	0	6	8	1	0	24
9	0	1	2	3	1	5	2	5	1	4	0	0	0	0	0	0	24
10	0	0	4	1	2	1	2	3	0	0	0	0	2	8	0	1	24
11	1	0	0	0	0	1	1	0	0	0	0	1	11	6	3	0	24
12	0	1	1	0	1	1	0	0	0	0	0	0	5	12	2	1	24
13	1	0	1	1	0	2	1	2	0	1	0	0	8	2	3	2	24
14	2	1	1	0	0	0	1	1	3	11	2	0	0	0	1	1	24
15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	14	24
16	0	0	0	0	0	0	0	0	0	0	0	0	0	8	12	4	24
17	0	0	0	0	0	0	0	0	0	0	0	0	2	18	4	0	24
18	3	1	0	1	0	0	0	0	0	0	0	0	0	7	7	4	23 *
19	1	0	1	0	0	1	0	0	0	0	0	0	5	6	4	6	24
20	2	0	1	0	0	0	1	0	0	0	0	0	5	5	4	5	23 *
21	1	0	0	1	0	0	0	1	2	11	0	0	1	1	3	2	23 *
22	1	1	1	0	0	1	0	7	4	1	3	0	0	0	2	3	24
23	0	0	0	0	0	1	2	0	6	2	0	0	2	0	1	10	24
24	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	24
25	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	24
26	0	0	0	0	1	7	10	1	0	0	0	0	0	0	5	0	24
27	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
28	0	0	2	3	7	8	2	1	1	0	0	0	0	0	0	0	24
29	0	1	2	18	3	0	0	0	0	0	0	0	0	0	0	0	24
30	11	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
31	16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	24
TOTAL	67	30	17	33	16	52	30	23	21	32	7	2	84	150	90	87	741

* Incomplete time series data sets.

February 1995

Natural Area

	Brightness Temperature [deg.C]			Air Temperature [deg.C]					
	Surface			Height:100cm			Height:190cm		
Date	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean
1	-12.5	-22.7	-16.6	-12.55	-20.80	-15.06	-12.45	-20.40	-14.88
2	-16.2	-26.3	-21.5	-13.70	-25.30	-20.32	-13.70	-24.80	-19.91
3	-12.3	-23.3	-17.7	-10.85	-21.80	-16.47	-10.65	-21.30	-16.10
4	-14.4	-22.8	-17.3	-12.80	-21.50	-15.66	-12.75	-21.10	-15.46
5	-15.5	-25.1	-21.1	-12.60	-24.25	-20.02	-12.60	-23.80	-19.47
6				-13.50	-26.25	-21.59	-12.85	-25.85	-20.72
7				-10.40	-28.35	-21.54	-9.75	-28.05	-20.79
8				-13.05	-25.15	-20.16	-13.00	-24.75	-19.58
9				-13.90	-24.05	-19.97	-13.80	-23.35	-19.50
10				-12.95	-25.65	-20.65	-12.80	-25.25	-20.08
11				-14.50	-26.80	-22.23	-13.85	-26.50	-21.60
12				-13.95	-28.45	-22.64	-13.05	-28.25	-22.20
13				-11.80	-26.25	-18.25	-11.75	-26.00	-18.05
14				-8.35	-16.00	-11.98	-7.70	-15.25	-11.62
15				-6.55	-17.70	-9.95	-6.70	-17.20	-9.81
16				-6.55	-13.20	-8.80	-6.15	-12.65	-8.52
17				-6.45	-22.65	-12.82	-6.80	-22.55	-12.66
18				-2.75	-9.55	-5.00	-2.90	-9.45	-4.98
19				-4.40	-7.60	-6.22	-4.35	-7.55	-6.19
20				-7.55	-10.40	-8.62	-7.50	-10.30	-8.58
21				-6.15	-9.70	-8.07	-6.20	-9.60	-8.02
22				-7.55	-10.20	-8.72	-7.50	-10.15	-8.69
23				-6.95	-11.05	-9.16	-7.10	-10.90	-9.14
24				-6.00	-12.00	-9.05	-6.20	-11.90	-9.01
25				-8.30	-11.45	-10.15	-8.35	-11.35	-10.08
26				-10.15	-20.45	-13.61	-10.30	-20.30	-13.54
27				-13.50	-22.45	-18.10	-13.25	-22.20	-17.89
28				-9.80	-21.35	-15.50	-10.00	-21.00	-15.32
Month	-12.3	-26.3	-18.8	-2.75	-28.45	-14.65	-2.90	-28.25	-14.37

February 1995

Natural Area

	Humidity [%]					
	Height:100cm			Height:180cm		
Date	Max.	Min.	Mean	Max.	Min.	Mean
1	81.3	62.1	74.1	78.3	60.8	71.4
2	72.7	61.0	67.8	73.2	59.7	67.5
3	81.8	61.6	72.6	81.8	59.1	72.0
4	80.0	65.7	73.9	80.2	65.1	73.9
5	74.2	64.3	70.5	74.6	63.1	69.9
6	73.5	62.4	68.9	73.6	55.9	68.2
7	72.9	57.8	66.6	74.2	53.6	66.4
8	73.2	60.4	68.4	74.4	58.9	68.4
9	71.6	59.0	65.8	72.1	58.7	65.0
10	70.8	53.8	64.6	71.4	50.4	63.3
11	69.9	53.4	64.6	70.0	50.1	63.1
12	74.9	52.1	65.5	74.9	46.7	65.2
13	83.2	67.6	74.2	81.5	66.6	73.2
14	81.2	65.7	73.4	79.6	62.0	71.1
15	90.0	74.8	83.1	88.4	74.8	82.3
16	86.8	76.1	81.0	84.6	73.6	78.9
17	89.4	71.5	81.2	89.0	70.6	81.0
18	93.0	84.5	88.9	92.2	84.0	88.4
19	92.5	86.3	90.9	91.5	85.7	90.0
20	90.5	74.6	83.1	89.4	73.3	81.4
21	88.0	80.8	84.2	86.4	79.6	83.1
22	88.3	81.2	85.7	87.3	80.8	85.1
23	88.7	85.0	86.5	87.8	84.1	85.5
24	89.8	70.8	83.4	88.5	69.1	82.5
25	87.0	73.7	82.0	85.4	72.6	80.7
26	85.9	57.8	72.6	83.5	55.5	71.1
27	73.5	65.8	70.0	73.1	64.5	68.9
28	79.8	63.0	73.4	79.2	60.1	72.3
Month	93.0	52.1	75.6	92.2	46.7	74.6

February 1995

Natural Area

Date	Solar Radiation: Incoming (88cm) Max. [kW/m²]	Solar Radiation: Incoming (88cm) Cumulative [MJ/m²]	Solar Radiation: Reflected (82cm) Max. [kW/m²]	Solar Radiation: Reflected (82cm) Cumulative [MJ/m²]	Wind: Speed [m/s] Height:101cm Max.	Wind: Speed [m/s] Height:101cm Mean	Wind: Speed [m/s] Height:206cm Max.	Wind: Speed [m/s] Height:206cm Mean	Wind: Direction Height:206cm Most Frequent
1	0.32	6.34	0.28	5.46	8.04	5.56	11.37	7.42	NNW
2	0.36	7.16	0.31	6.18	5.10	2.83	4.97	3.09	NW
3	0.29	5.88	0.25	5.01	5.57	3.53	5.73	3.81	WNW
4	0.36	6.97	0.31	6.07	7.15	4.33	6.92	4.46	WNW
5	0.36	7.24	0.33	6.70	4.89	2.58	4.79	2.82	WNW
6	0.37	7.50	0.34	6.90	1.91	1.07	2.35	1.24	WNW
7	0.39	7.88	0.34	6.89	2.24	1.18	2.36	1.45 *	NNW *
8	0.39	7.61	0.34	6.75	5.81	2.50	5.72	2.66	WNW
9	0.39	7.93	0.35	7.05	4.10	2.56	4.21	2.79	WNW,NW
10	0.40	8.57	0.35	7.34	4.87	2.25	5.00	2.50	WNW
11	0.42	8.60	0.36	7.61	2.75	1.29	2.96	1.33	NW
12	0.41	8.77	0.36	7.44	2.65	1.06	2.67	1.15	NNE
13	0.38	7.35	0.33	6.24	9.66	6.05	9.57	6.04	NW
14	0.34	7.54	0.28	6.23	8.56	5.41	8.72	5.89	W
15	0.38	6.95	0.32	6.18	5.03	2.20	6.21	3.52	N
16	0.32	6.44	0.26	5.20	8.19	5.37	8.49	5.70	W
17	0.30	6.81	0.24	5.55	2.87	1.43	3.27	1.69	N
18	0.30	5.49	0.24	4.39	9.36	6.14	9.01	6.25	NNE
19	0.29	6.22	0.24	5.08	8.74	5.51	9.34	8.25	NNE
20	0.32	7.24	0.27	5.95	5.68	3.23	7.20	5.38	NNW
21	0.28	6.29	0.22	5.07	5.09	3.53	6.78	5.08	NNW
22	0.34	6.93	0.27	5.67	5.03	4.15	4.99	4.15	NW
23	0.31	6.34	0.25	5.20	3.87	2.26	4.59	2.80	N
24	0.45	8.64	0.39	7.20	3.04	2.11	5.05	3.36	N
25	0.36	7.58	0.30	6.19	8.53	4.72	8.88	5.61	NW
26	0.50	11.71	0.44	10.05	5.31	3.57	7.62	5.24	NNW
27	0.45	11.07	0.37	9.20	5.90	4.34	6.03	4.51	WNW
28	0.58	12.41	0.50	10.42	4.94	3.43	4.89	3.55	WNW

* Incomplete time series data sets.

February 1995

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	24.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	8.0	9.0	2.0	24.0
3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	20.0	1.0	0.0	24.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	11.0	0.0	24.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	14.0	8.0	1.0	24.0
6	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	7.0	5.0	4.0	24.0
7	1.0	1.0	3.0	3.0	1.0	2.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	22.0 *
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	11.0	9.0	3.0	24.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	0.0	24.0
10	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	12.0	6.0	4.0	24.0
11	2.0	0.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	4.0	6.0	7.0	2.0	24.0
12	3.0	6.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	4.0	2.0	1.0	4.0	24.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	11.0	12.0	0.0	24.0
14	1.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0	4.0	0.0	0.0	10.0	5.0	1.0	0.0	24.0
15	8.0	5.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	24.0
16	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	8.0	7.0	3.0	0.0	24.0
17	8.0	2.0	3.0	1.0	1.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	24.0
18	1.0	12.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0
19	9.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0
20	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	24.0
21	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0	12.0	24.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	14.0	6.0	24.0
23	8.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	4.0	24.0
24	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.0	7.0	24.0
25	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	3.0	24.0
26	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	10.0	24.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	4.0	0.0	24.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	6.0	0.0	24.0
TOTAL	78.0	47.0	23.0	9.0	3.0	4.0	9.0	2.0	4.0	7.0	0.0	0.0	43.0	176.0	161.0	104.0	670.0

* Incomplete time series data sets.

March 1995

Natural Area

Date	Brightness Temperature [deg.C] Surface Max.	Surface Min.	Surface Mean	Air Temperature [deg.C] Height:100cm Max.	Height:100cm Min.	Height:100cm Mean	Height:190cm Max.	Height:190cm Min.	Height:190cm Mean
1				-10.65	-19.70	-14.72	-10.45	-19.45	-14.58
2				-9.25	-20.45	-14.40	-9.15	-19.45	-14.10
3				-10.15	-23.70	-16.08	-9.75	-22.70	-15.68
4				-6.55	-28.85	-18.12	-6.55	-28.45	-17.87
5				-11.55	-24.50	-18.37	-10.95	-24.40	-17.85
6				-10.10	-23.35	-18.06	-8.40	-22.95	-17.30
7				-4.95	-22.50	-13.79	-5.00	-21.25	-13.11
8				-4.05	-17.70	-9.03	-4.00	-17.00	-8.83
9				-3.30	-8.50	-5.23	-3.30	-8.20	-5.10
10				-3.35	-8.60	-5.88	-3.60	-8.20	-5.83
11				-3.25	-6.40	-5.39	-3.60	-6.40	-5.46
12				-5.05	-7.65	-6.33	-5.30	-7.65	-6.38
13				-1.25	-6.85	-4.77	-1.15	-6.80	-4.79
14				-0.35	-13.50	-5.16	-0.60	-12.30	-4.81
15				-1.15	-18.70	-8.01	-1.00	-17.95	-7.59
16				-8.20	-19.70	-13.13	-8.10	-19.20	-12.87
17				-7.80	-17.50	-10.91	-7.75	-17.30	-10.85
18				-9.90	-20.55	-15.25	-9.20	-20.20	-14.80
19				-5.10	-21.95	-11.28	-4.50	-21.30	-10.93
20				-9.20	-27.50	-16.81	-9.05	-26.40	-16.47
21				-9.40	-20.45	-13.31	-9.35	-20.25	-13.25
22				-16.00	-26.20	-20.36	-16.20	-25.10	-20.18
23				-10.10	-31.85	-21.38	-9.95	-31.65	-20.96
24				-8.10	-29.55	-19.66	-7.60	-29.30	-19.15
25				-10.55	-27.45	-19.25	-11.10	-26.80	-18.99
26				-7.80	-30.65	-19.88	-8.00	-30.15	-19.71
27				-8.80	-24.60	-16.60	-8.25	-24.20	-15.69
28				-2.30	-20.25	-11.40	-2.50	-18.55	-10.59
29				-4.15	-14.60	-7.94	-4.10	-14.20	-8.00
30				-2.10	-4.05	-3.01	-2.30	-4.00	-3.02
31				-0.15	-2.30	-1.54	-0.35	-2.25	-1.60
Month				-0.15	-31.85	-12.42	-0.35	-31.65	-12.14

March 1995

Natural Area

Date	Humidity [%] Height:100cm Max.	Height:100cm Min.	Height:100cm Mean	Height:190cm Max.	Height:190cm Min.	Height:190cm Mean
1	82.1	65.8	73.9	80.0	63.6	72.9
2	78.9	59.3	69.9	78.5	57.1	68.8
3	77.1	62.7	70.7	76.9	59.2	69.4
4	82.2	50.4	68.3	82.9	52.0	68.2
5	81.6	65.4	72.3	84.6	64.7	72.7
6	71.8	48.2	64.2	73.4	40.9	62.3
7	81.1	54.1	69.4	82.4	50.5	67.8
8	89.7	60.0	73.8	86.8	56.3	71.5
9	89.7	65.4	79.9	87.1	63.2	77.6
10	90.8	72.2	84.5	90.5	70.8	83.6
11	93.0	84.2	90.5	92.9	80.1	89.8
12	93.0	91.0	91.9	92.9	89.8	91.5
13	93.4	86.6	92.3	93.4	86.5	92.1
14	91.2	77.7	85.4	91.2	77.5	85.5
15	89.0	56.6	70.9	86.4	52.8	68.1
16	89.4	48.1	69.0	88.7	45.2	66.6
17	90.4	75.8	86.6	90.2	72.7	84.8
18	74.1	53.0	65.6	73.0	46.4	62.5
19	85.4	53.5	66.3	81.0	50.2	63.0
20	86.8	55.8	68.8	85.6	51.9	67.7
21	87.0	62.2	77.8	85.9	60.6	75.2
22	65.2	45.2	55.8	64.0	42.0	53.9
23	75.6	26.0	57.8	75.5	22.7	56.3
24	83.9	38.8	63.2	83.1	34.0	61.6
25	78.7	51.2	67.3	77.0	49.1	66.4
26	65.7	41.2	59.5	66.9	37.4	59.5
27	65.4	38.2	54.9	64.9	31.2	50.3
28	81.7	52.1	64.6	79.3	51.0	63.7
29	91.4	64.4	83.0	91.0	62.8	82.1
30	95.0	89.4	93.4	94.6	89.5	93.1
31	95.7	89.3	94.0	95.3	90.7	94.2
Month	95.7	26.0	73.7	95.3	22.7	72.3

March 1995

Natural Area

	Solar Radiation				Wind				
	Incoming (88cm)		Reflected (82cm)		Speed [m/s]				Direction
	Max.	Cumulative	Max.	Cumulative	Height:101cm		Height:206cm		Height:206cm
Date	[kW/m²]	[MJ/m²]	[kW/m²]	[MJ/m²]	Max.	Mean	Max.	Mean	Most Frequent
1	0.50	10.61	0.42	8.95	6.41	4.60	6.53	4.66	WNW
2	0.50	11.43	0.44	9.79	5.11	3.35	5.12	3.48	WNW,NW
3	0.58	12.43	0.50	10.80	4.80	2.79	4.81	2.97	WNW
4	0.54	12.81	0.49	11.02	4.62	1.81	5.14	2.03	S
5	0.53	11.49	0.49	10.72	3.97	1.40	3.74	1.25 *	WNW *
6	0.56	13.36	0.49	11.79	4.84	2.59	4.96	2.79	WNW
7	0.56	13.49	0.49	11.72	3.27	1.83	3.40	2.01	WNW
8	0.42	9.44	0.34	7.60	9.94	7.02	10.28	7.14	NW
9	0.40	9.26	0.32	7.33	9.43	7.33	9.77	7.41	NW
10	0.48	11.24	0.39	8.92	4.92	2.95	4.86	3.12	NW
11	0.55	11.47	0.45	9.22	2.73	1.73	2.62	2.00	N
12	0.49	11.10	0.39	8.85	3.37	2.17	2.95	1.91	NNE
13	0.47	11.16	0.38	8.90	5.61	3.48	5.52	3.21	SSE
14	0.60	14.34	0.51	12.17	6.77	3.61	7.61	4.11	S
15	0.59	14.25	0.49	11.65	11.85	5.80	11.69	6.25	S
16	0.53	10.25	0.43	8.22	6.94	3.54	7.28	3.72	ENE
17	0.25	6.62	0.20	5.37	14.40	7.03	15.25	8.42	NNE
18	0.63	16.09	0.54	13.30	8.79	5.02	9.47	5.57	W
19	0.62	13.23	0.51	10.84	10.79	6.35	12.69	7.12	SSW
20	0.62	15.16	0.51	12.43	5.38	2.71	6.30	3.10	SE
21	0.60	15.27	0.50	12.60	8.69	5.87	12.44	9.15	N
22	0.66	16.42	0.55	13.41	6.42	3.80	6.26	3.84	NW
23	0.64	15.30	0.53	12.43	3.14	1.38	3.31	1.55	NNE,NNW
24	0.67	14.36	0.55	11.72	1.73	0.92	2.10	1.05	NNE
25	0.44	11.45	0.57	14.76	2.85	1.21	3.04	1.32 *	ENE *
26	0.69	17.92	0.57	15.22	2.85	1.52	3.27	1.71	ENE
27	0.63	16.44	0.52	13.34	3.79	1.66	3.90	1.91	WNW,NW
28	0.69	18.71	0.57	15.18	4.53	2.17	5.28	2.76	SSE
29	0.69	16.44	0.57	13.32	5.42	3.52	6.33	3.96	NNE,SE
30	0.50	11.59	0.40	9.31	7.55	5.61	8.75	6.50	SSE
31	0.58	13.74	0.47	11.17	5.42	3.24	6.33	3.89	SSE

* Incomplete time series data sets.

March 1995

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	0	0	0	0	0	0	0	0	0	0	0	13	11	0	24
2	1	0	0	0	0	0	0	0	0	0	0	0	0	11	11	1	24
3	0	1	1	0	0	0	0	0	0	0	0	0	1	15	6	0	24
4	2	1	2	2	1	4	2	0	5	2	0	0	0	1	1	1	24
5	2	1	3	0	0	2	0	0	0	0	0	0	0	8	3	3	22 *
6	0	1	0	1	2	1	0	0	1	0	0	0	1	14	3	0	24
7	1	1	1	1	0	0	0	0	0	0	0	0	1	8	7	4	24
8	0	0	0	0	0	0	0	0	0	0	0	0	0	2	19	3	24
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	8	24
10	1	2	4	2	0	0	0	0	0	0	0	0	0	3	7	5	24
11	8	3	4	1	2	0	0	0	0	0	0	0	0	1	3	2	24
12	0	8	3	2	5	1	2	3	0	0	0	0	0	0	0	0	24
13	0	0	0	0	0	0	3	9	7	3	0	0	0	1	1	0	24
14	0	0	0	1	1	1	0	3	14	0	0	0	2	1	0	1	24
15	1	2	1	1	0	0	0	0	6	3	0	0	2	3	4	1	24
16	2	3	4	10	1	0	1	0	0	0	0	0	0	0	2	1	24
17	3	9	0	0	0	0	0	0	0	0	0	0	0	6	3	3	24
18	0	0	1	0	0	1	2	0	1	4	0	4	8	1	1	1	24
19	1	1	0	1	0	0	0	0	5	6	0	0	1	3	4	2	24
20	2	1	1	2	0	2	5	2	1	0	0	0	0	2	3	3	24
21	7	5	3	1	0	0	0	0	0	0	0	0	0	0	4	4	24
22	2	1	0	0	0	0	0	0	0	0	0	0	1	1	15	4	24
23	2	4	1	0	2	1	2	1	2	0	0	0	0	2	3	4	24
24	2	8	1	2	1	1	0	0	0	0	0	0	0	1	1	7	24
25	4	4	0	5	0	0	0	0	0	0	0	0	2	1	4	3	23 *
26	2	3	1	4	0	0	1	2	3	0	0	0	0	3	2	3	24
27	3	0	0	0	0	2	0	2	0	0	0	0	3	6	6	2	24
28	1	2	2	1	3	0	0	6	4	1	0	0	1	1	1	1	24
29	1	6	1	4	1	1	6	3	0	0	0	0	0	0	0	1	24
30	0	0	0	0	0	3	4	17	0	0	0	0	0	0	0	0	24
31	3	1	2	0	1	1	2	13	0	0	0	0	0	0	0	1	24
TOTAL	51	88	36	41	20	21	30	61	49	19	0	4	23	108	141	69	741

* Incomplete time series data sets.

April 1995

Natural Area

Date	Brightness Temperature [deg.C] Surface Max.	Min.	Mean	Air Temperature [deg.C] Height:100cm Max.	Min.	Mean	Height:190cm Max.	Min.	Mean
1				-0.30	-4.40	-2.43	-0.35	-4.30	-2.38
2				-1.90	-16.10	-5.44	-1.85	-14.90	-5.33
3				1.40	-18.95	-7.68	2.70	-16.00	-6.54
4				-0.60	-19.00	-9.09	-1.50	-17.85	-8.35
5				-2.25	-17.90	-7.90	-2.50	-16.70	-7.66
6				-1.20	-5.25	-3.22	-1.20	-5.30	-3.21
7				0.15	-1.65	-0.74	0.10	-1.60	-0.74
8				0.35	-5.50	-1.56	0.40	-5.30	-1.46
9				-2.70	-9.75	-5.24	-2.50	-9.40	-5.11
10				-2.15	-8.30	-4.53	-2.25	-7.85	-4.44
11				-3.90	-8.30	-6.28	-4.05	-8.10	-6.24
12				-1.90	-14.45	-8.16	-2.05	-14.15	-7.95
13				-2.65	-13.40	-6.42	-2.85	-12.85	-6.33
14				-1.45	-6.45	-4.20	-1.55	-6.35	-4.13
15				-2.05	-12.55	-5.39	-2.70	-11.95	-5.42
16				0.95	-14.60	-6.46	2.55	-14.15	-6.12
17				-2.55	-16.20	-6.47	-2.85	-15.80	-6.51
18				-1.05	-5.90	-2.53	-1.30	-5.60	-2.60
19				-1.40	-4.00	-2.46	-1.65	-4.00	-2.56
20				-1.10	-3.85	-2.35	-1.30	-3.80	-2.37
21				-0.85	-8.80	-3.59	-1.70	-8.95	-3.78
22				-0.90	-12.90	-4.85	-1.10	-12.55	-4.63
23				-1.30	-3.60	-2.24	-1.70	-3.50	-2.33
24				0.05	-5.95	-2.51	-0.80	-5.70	-2.66
25				-0.15	-8.80	-2.86	-0.20	-7.75	-2.76
26				-1.00	-2.70	-1.78	-0.80	-2.65	-1.81
27				1.80	-2.60	-0.37	1.75	-2.35	-0.35
28				0.00	-3.00	-1.14	-0.10	-2.75	-1.09
29				0.30	-2.05	-0.62	0.30	-1.95	-0.51
30									
Month				1.80	-19.00	-4.09	2.70	-17.85	-3.98

April 1995

Natural Area

Date	Humidity [%] Height:100cm Max.	Min.	Mean	Height:190cm Max.	Min.	Mean
1	95.4	86.2	91.0	95.1	84.8	89.6
2	95.7	66.6	84.2	95.1	64.5	83.2
3	85.1	58.3	73.5	86.7	48.7	70.8
4	86.2	56.5	74.9	86.7	53.1	73.2
5	89.2	59.2	78.5	88.5	54.5	77.9
6	96.3	90.1	93.2	95.9	89.4	93.0
7	97.2	94.9	96.3	96.8	94.6	96.0
8	97.2	74.7	87.8	96.8	72.3	86.2
9	89.3	68.8	76.5	88.5	63.5	74.3
10	94.1	89.6	92.5	93.1	86.5	89.7
11	89.8	80.3	84.5	85.5	77.3	81.5
12	84.6	57.0	70.2	84.1	53.9	67.4
13	87.2	75.9	81.8	86.5	73.3	80.0
14	93.3	83.7	88.7	92.0	81.4	86.9
15	92.6	77.7	86.5	91.9	76.4	85.6
16	90.1	66.6	82.5	90.6	59.0	79.8
17	93.1	83.0	88.8	92.4	82.4	88.9
18	94.7	86.6	91.9	94.8	87.0	91.7
19	95.2	80.6	88.1	95.0	78.3	87.3
20	92.0	76.5	87.0	90.9	73.9	85.1
21	89.8	62.1	74.9	89.9	59.2	72.7
22	94.8	84.8	89.1	93.8	82.0	88.3
23	95.0	89.0	93.4	94.2	87.8	92.5
24	93.8	67.2	83.7	93.3	64.7	82.6
25	95.7	83.8	91.3	95.1	79.6	90.8
26	97.0	93.4	95.6	96.6	94.7	95.6
27	97.3	75.2	90.4	96.8	73.0	90.0
28	97.1	93.4	95.3	96.8	93.1	95.1
29	97.3	92.5	95.6	97.0	92.2	95.3
30						
Month	97.3	56.5	86.5	97.0	48.7	85.2

April 1995

Natural Area

	Solar Radiation				Wind				
	Incoming (88cm)		Reflected (82cm)		Speed [m/s]				Direction
	Max.	Cumulative	Max.	Cumulative	Height:101cm		Height:208cm		Height:208cm
Date	[kW/m²]	[MJ/m²]	[kW/m²]	[MJ/m²]	Max.	Mean	Max.	Mean	Most Frequent
1	0.38	11.26	0.31	9.10	8.94	6.36	8.94	6.37	NW
2	0.66	17.03	0.54	13.88	7.13	3.88	9.09	5.00	NNE
3	0.71	17.96	0.58	14.47	4.68	2.05	5.12	2.45	NW
4	0.74	19.57	0.60	15.93	2.99	1.58	3.44	1.83	ESE
5	0.74	20.71	0.61	16.73	5.65	2.64	6.44	2.98	S
6	0.58	14.90	0.46	11.95	5.87	3.60	6.60	4.01	S
7	0.39	8.93	0.30	7.03	7.72	4.95	9.14	5.82	ESE
8	0.54	12.46	0.43	9.98	10.69	6.52	11.49	7.39	WNW
9	0.61	14.57	0.48	11.35	7.75	4.61	8.54	5.16	WNW
10	0.58	14.24	0.46	11.29	10.34	4.55	11.95	8.73	NNW
11	0.68	17.39	0.55	13.93	10.45	8.99	10.68	9.05	NW
12	0.77	22.60	0.64	18.37	8.06	4.39	7.93	4.73	WNW
13	0.61	17.16	0.49	13.50	7.04	4.21	7.72	5.90	NNW
14	0.56	14.08	0.45	11.36	8.52	5.51	8.39	6.21	NW
15	0.65	17.76	0.52	14.44	5.67	3.04	5.41	3.39	NNE
16	0.77	21.76	0.61	17.31	3.12	2.04	3.22	2.20	WNW
17	0.79	21.97	0.63	17.50	5.34	3.38	6.16	3.69	SSE
18	0.78	18.19	0.60	14.01	4.64	3.17	5.32	3.57	SSE
19	0.77	18.12	0.60	14.05	6.05	4.20	5.66	4.62	SSE
20	0.72	17.30	0.55	13.30	10.20	7.18	11.26	8.91	NNE
21	0.84	24.26	0.64	18.39	6.00	2.47	7.64	3.49 *	N,NNW *
22	0.79	19.94	0.60	15.12	7.88	3.51	9.22	4.05	ESE
23	0.76	19.27	0.60	15.21	7.74	6.21	8.66	6.75	ENE
24	0.88	22.92	0.71	17.92	4.34	2.53	4.18	3.02	NNE
25	0.70	20.11	0.54	15.33	5.55	3.20	6.42	3.63	SSE,S
26	0.75	19.26	0.60	15.33	6.82	5.74	7.38	6.30	S
27	0.83	20.64	0.61	15.40	6.49	3.05	6.18	3.21	SSE
28	0.73	18.15	0.52	13.24	5.78	3.17	6.46	3.48	SSE
29	0.51	13.77	0.36	9.67	5.17	3.54	6.02	4.04	SE
30									

* Incomplete time series data sets.

April 1995

Frequency of Wind Direction

Date	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	TOTAL
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	3	24
2	5	13	2	1	0	0	0	0	0	0	0	0	0	0	3	0	24
3	2	0	0	0	1	1	0	0	0	0	0	3	2	4	6	5	24
4	1	0	1	2	1	4	0	2	2	0	0	0	2	3	3	3	24
5	1	2	0	0	0	0	5	3	7	0	0	0	1	0	3	2	24
6	0	0	0	0	5	5	4	2	8	0	0	0	0	0	0	0	24
7	0	0	0	0	0	15	3	1	0	0	1	0	2	0	1	1	24
8	1	0	0	0	0	1	1	0	0	1	1	0	3	11	5	0	24
9	1	1	0	0	0	2	2	3	2	2	0	1	4	5	0	1	24
10	9	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	24
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	5	24
12	2	2	0	0	0	0	0	0	0	0	0	0	0	9	8	3	24
13	7	0	0	0	0	0	0	0	0	0	0	0	0	3	6	8	24
14	3	0	0	0	0	0	0	0	0	0	0	0	0	7	9	5	24
15	3	9	0	0	0	0	0	0	0	0	0	0	0	4	5	3	24
16	1	0	0	2	2	2	2	1	1	0	0	0	0	10	3	0	24
17	3	1	0	0	1	0	0	10	8	0	0	0	0	0	0	1	24
18	0	0	1	0	0	0	0	18	5	0	0	0	0	0	0	0	24
19	0	0	2	5	3	2	2	10	0	0	0	0	0	0	0	0	24
20	8	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	24
21	5	1	2	4	1	0	1	0	1	2	0	0	0	0	1	5	23 *
22	0	1	2	1	1	9	7	0	0	0	0	0	0	0	1	2	24
23	0	2	5	10	6	1	0	0	0	0	0	0	0	0	0	0	24
24	2	7	2	3	2	1	4	3	0	0	0	0	0	0	0	0	24
25	0	0	1	1	1	2	1	9	9	0	0	0	0	0	0	0	24
26	0	0	0	0	0	0	0	3	21	0	0	0	0	0	0	0	24
27	0	2	0	0	0	3	0	8	2	1	0	0	0	1	6	1	24
28	0	0	1	1	1	0	4	10	6	0	0	0	0	0	0	1	24
29	0	0	0	0	1	5	13	5	0	0	0	0	0	0	0	0	24
30																	
TOTAL	54	54	22	30	26	53	49	88	72	6	2	4	14	58	104	59	695

* Incomplete time series data sets.

Table 4. Air/snow/ice/water temperatures installed at the snow-ice interface (0 cm) and at the heights of 50, 20 and 10 cm above, and 10, 20, 30, 40, 42.5, 45, 47.5, 50, 55, 60, 65 and 70 cm below the snow-ice interface at the natural area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

Chaivo Bay
December 1994
Natural Area

(Recording Interval 120 min)

Date	Air Temperature (degrees C) Height:+ 50.0cm			Air Temperature (degrees C) Height: +20.0cm			Air Temperature (degrees C) Height: +10.0cm			Air/Ice Temperature (degrees C) Height: + 0.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11	-14.50	-17.91	-15.97	-14.37	-17.84	-15.88	-14.25	-17.87	-15.87	-6.84	-9.35	-8.05
12	-16.86	-21.82	-19.55	-16.78	-21.86	-19.51	-16.72	-21.74	-19.51	-7.09	-10.15	-8.68
13	-18.61	-23.88	-21.68	-18.44	-23.77	-21.61	-18.42	-23.70	-21.57	-10.56	-11.61	-11.07
14	-18.87	-23.88	-21.75	-18.84	-23.77	-21.65	-19.03	-23.70	-21.68	-11.66	-12.77	-12.21
15	-13.30	-20.12	-17.19	-13.22	-19.90	-17.07	-13.15	-19.63	-16.97	-8.44	-12.16	-10.19
16	-17.66	-20.57	-19.01	-17.59	-20.50	-18.97	-17.32	-20.33	-18.97	-9.15	-11.61	-10.24
17	-17.51	-23.93	-21.03	-17.44	-23.82	-20.88	-17.37	-23.80	-20.72	-11.16	-13.57	-12.39
18	-17.16	-23.13	-19.51	-17.03	-23.06	-19.40	-16.51	-22.89	-19.08	-9.95	-12.06	-10.62
19	-16.21	-24.18	-20.86	-16.28	-24.07	-20.81	-17.02	-23.70	-20.85	-11.51	-13.17	-12.33
20	-16.91	-20.97	-18.83	-16.73	-20.85	-18.71	-16.31	-20.73	-18.49	-10.76	-11.96	-11.35
21	-19.27	-25.29	-23.12	-19.04	-25.17	-23.04	-19.03	-25.05	-22.95	-11.76	-14.22	-13.11
22	-21.27	-27.94	-24.50	-21.15	-27.88	-24.41	-20.83	-27.66	-24.24	-13.82	-15.93	-14.86
23	-19.17	-25.84	-23.20	-18.99	-25.47	-23.10	-20.03	-25.35	-22.90	-13.52	-15.03	-14.15
24	-21.82	-27.74	-26.13	-21.61	-27.43	-25.85	-21.79	-26.21	-24.81	-14.27	-15.43	-14.95
25	-21.07	-29.35	-25.03	-21.05	-29.09	-24.89	-21.13	-28.01	-24.44	-14.48	-16.74	-15.63
26	-19.32	-25.14	-22.03	-19.35	-25.07	-22.01	-19.93	-24.90	-22.15	-13.77	-14.93	-14.43
27	-18.67	-25.94	-23.82	-18.79	-25.87	-23.83	-19.73	-25.65	-23.95	-14.63	-16.08	-15.43
28	-21.42	-26.24	-24.41	-21.25	-26.18	-24.36	-21.54	-26.01	-24.39	-15.08	-16.34	-15.87
29	-21.62	-27.19	-25.41	-21.61	-27.08	-25.32	-22.09	-26.91	-25.28	-15.83	-17.29	-16.62
30	-19.12	-27.29	-24.09	-19.19	-27.18	-24.09	-19.98	-26.81	-24.21	-15.63	-17.59	-16.70
31	-20.17	-26.09	-23.91	-20.15	-25.97	-23.90	-20.73	-25.96	-24.01	-15.73	-17.34	-16.56
Month	-13.30	-29.35	-21.95	-13.22	-29.09	-21.87	-13.15	-28.01	-21.76	-6.84	-17.59	-13.12

Date	Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Water Temperature (degrees C) Height: -30.0cm			Water Temperature (degrees C) Depth: -40.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11	-1.85	-3.76	-3.17	-0.91	-1.61	-1.31	-0.88	-1.63	-1.31	-0.91	-1.66	-1.33
12	-3.81	-5.47	-4.53	-0.81	-1.51	-1.15	-0.83	-1.53	-1.16	-0.81	-1.51	-1.16
13	-5.67	-7.03	-6.48	-0.81	-2.72	-1.78	-0.78	-1.63	-1.19	-0.81	-1.66	-1.20
14	-7.23	-8.23	-7.80	-2.62	-3.82	-3.27	-0.78	-1.63	-1.29	-0.81	-1.66	-1.31
15	-6.22	-8.18	-7.20	-3.62	-3.82	-3.72	-0.88	-1.68	-1.35	-0.86	-1.71	-1.36
16	-6.27	-7.88	-6.89	-3.42	-4.23	-3.70	-0.93	-1.73	-1.41	-0.96	-1.76	-1.42
17	-8.03	-9.19	-8.65	-4.28	-5.08	-4.73	-0.93	-1.93	-1.46	-0.96	-1.76	-1.44
18	-7.23	-8.18	-7.64	-4.33	-4.98	-4.57	-1.33	-2.19	-1.79	-1.01	-1.81	-1.46
19	-8.49	-9.19	-8.83	-4.93	-5.48	-5.26	-1.73	-2.64	-2.17	-0.96	-1.76	-1.41
20	-8.08	-8.79	-8.44	-5.28	-5.53	-5.36	-2.29	-2.89	-2.58	-1.01	-1.76	-1.45
21	-8.39	-10.09	-9.41	-5.38	-6.39	-5.88	-2.69	-3.45	-3.00	-1.06	-1.76	-1.48
22	-10.40	-11.55	-11.03	-6.54	-7.34	-7.08	-3.50	-4.15	-3.74	-1.11	-1.76	-1.50
23	-10.50	-11.20	-10.77	-7.14	-7.34	-7.23	-4.05	-4.35	-4.15	-1.16	-1.76	-1.48
24	-10.90	-11.55	-11.30	-7.34	-7.79	-7.62	-4.35	-4.76	-4.47	-0.96	-1.81	-1.33
25	-11.45	-12.66	-12.06	-7.89	-8.60	-8.29	-4.86	-5.26	-5.09	-1.16	-2.11	-1.61
26	-11.00	-11.45	-11.29	-7.84	-8.15	-8.01	-5.11	-5.26	-5.18	-1.76	-2.31	-2.03
27	-11.60	-12.41	-11.97	-8.05	-8.65	-8.44	-5.21	-5.56	-5.43	-2.16	-2.62	-2.30
28	-12.05	-12.66	-12.39	-8.60	-9.00	-8.85	-5.61	-6.01	-5.80	-2.47	-3.12	-2.68
29	-12.76	-13.46	-13.10	-9.05	-9.70	-9.50	-6.06	-6.82	-6.47	-3.02	-3.87	-3.42
30	-12.96	-13.91	-13.44	-9.81	-10.21	-9.99	-6.82	-7.22	-7.08	-3.77	-4.38	-4.04
31	-13.06	-13.81	-13.41	-9.96	-10.31	-10.14	-7.22	-7.47	-7.38	-4.28	-4.73	-4.46
Month	-1.85	-13.91	-9.51	-0.81	-10.31	-6.00	-0.78	-7.47	-3.50	-0.81	-4.73	-1.90

Chaivo Bay
December 1994
Natural Area

(Recording Interval 120 min)

Date	Water Temperature (degrees C) Height: -42.5cm			Water Temperature (degrees C) Height: -45.0cm			Water Temperature (degrees C) Height: -47.5cm			Water Temperature (degrees C) Height: -50.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11	-0.92	-1.67	-1.34	-0.92	-1.67	-1.35	-0.86	-1.62	-1.30	-0.92	-1.67	-1.32
12	-0.82	-1.57	-1.18	-0.87	-1.62	-1.20	-0.81	-1.52	-1.15	-0.82	-1.57	-1.16
13	-0.82	-1.67	-1.21	-0.82	-1.67	-1.23	-0.76	-1.62	-1.17	-0.77	-1.62	-1.19
14	-0.82	-1.67	-1.32	-0.87	-1.67	-1.33	-0.81	-1.62	-1.27	-0.82	-1.67	-1.30
15	-0.92	-1.67	-1.36	-0.92	-1.72	-1.38	-0.86	-1.67	-1.33	-0.87	-1.67	-1.34
16	-0.97	-1.77	-1.43	-0.97	-1.77	-1.45	-0.91	-1.72	-1.40	-0.97	-1.72	-1.42
17	-0.97	-1.77	-1.45	-0.97	-1.77	-1.45	-0.91	-1.72	-1.40	-0.92	-1.77	-1.42
18	-1.02	-1.82	-1.48	-1.02	-1.82	-1.51	-0.96	-1.77	-1.45	-0.97	-1.77	-1.46
19	-0.97	-1.77	-1.42	-0.97	-1.77	-1.43	-0.91	-1.72	-1.37	-0.97	-1.77	-1.40
20	-1.02	-1.77	-1.46	-1.07	-1.82	-1.47	-1.01	-1.72	-1.41	-1.02	-1.77	-1.44
21	-1.07	-1.77	-1.48	-1.07	-1.82	-1.50	-1.01	-1.77	-1.45	-1.07	-1.77	-1.47
22	-1.12	-1.82	-1.51	-1.12	-1.82	-1.52	-1.06	-1.77	-1.47	-1.07	-1.77	-1.49
23	-1.12	-1.77	-1.49	-1.17	-1.77	-1.51	-1.11	-1.72	-1.46	-1.12	-1.77	-1.46
24	-0.97	-1.72	-1.33	-0.97	-1.72	-1.34	-0.91	-1.67	-1.29	-0.97	-1.67	-1.31
25	-0.72	-1.67	-1.25	-0.72	-1.67	-1.28	-0.71	-1.62	-1.23	-0.77	-1.67	-1.24
26	-0.72	-1.77	-1.29	-0.57	-1.57	-1.18	-0.51	-1.52	-1.12	-0.52	-1.52	-1.13
27	-1.32	-1.92	-1.53	-0.47	-1.32	-0.87	-0.46	-1.22	-0.81	-0.47	-1.27	-0.84
28	-1.62	-2.43	-1.93	-0.67	-1.82	-1.17	-0.31	-1.37	-0.74	-0.32	-1.47	-0.77
29	-2.28	-3.23	-2.74	-1.42	-2.52	-2.02	-0.51	-1.92	-1.35	-0.52	-1.72	-1.22
30	-3.03	-3.78	-3.36	-2.17	-3.07	-2.63	-1.37	-2.42	-1.92	-0.87	-1.77	-1.37
31	-3.58	-4.13	-3.79	-2.82	-3.42	-3.10	-2.02	-2.78	-2.41	-1.07	-2.02	-1.64
Month	-0.72	-4.13	-1.68	-0.47	-3.42	-1.52	-0.31	-2.78	-1.36	-0.32	-2.02	-1.31

Date	Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Depth: -70.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11	-0.92	-1.68	-1.32	-0.90	-1.66	-1.30	-0.91	-1.66	-1.30	-0.96	-1.71	-1.36
12	-0.82	-1.58	-1.17	-0.80	-1.56	-1.15	-0.81	-1.61	-1.16	-0.86	-1.66	-1.22
13	-0.77	-1.63	-1.20	-0.75	-1.61	-1.18	-0.76	-1.61	-1.19	-0.81	-1.66	-1.25
14	-0.77	-1.68	-1.30	-0.80	-1.66	-1.28	-0.81	-1.66	-1.29	-0.86	-1.71	-1.34
15	-0.87	-1.68	-1.34	-0.85	-1.66	-1.33	-0.86	-1.66	-1.34	-0.91	-1.71	-1.40
16	-0.92	-1.73	-1.42	-0.90	-1.76	-1.40	-0.91	-1.76	-1.41	-0.96	-1.76	-1.46
17	-0.92	-1.78	-1.43	-0.90	-1.76	-1.42	-0.91	-1.76	-1.42	-0.96	-1.81	-1.48
18	-0.97	-1.78	-1.46	-1.00	-1.76	-1.45	-1.01	-1.76	-1.46	-1.06	-1.81	-1.51
19	-0.97	-1.78	-1.41	-0.95	-1.76	-1.39	-0.96	-1.76	-1.40	-1.01	-1.81	-1.45
20	-1.03	-1.78	-1.44	-1.00	-1.76	-1.43	-1.01	-1.76	-1.45	-1.06	-1.81	-1.50
21	-1.08	-1.78	-1.48	-1.05	-1.76	-1.47	-1.06	-1.76	-1.47	-1.11	-1.81	-1.53
22	-1.08	-1.78	-1.49	-1.05	-1.76	-1.48	-1.06	-1.76	-1.48	-1.11	-1.81	-1.53
23	-1.13	-1.73	-1.47	-1.10	-1.76	-1.45	-1.11	-1.71	-1.45	-1.16	-1.76	-1.51
24	-0.97	-1.68	-1.32	-0.95	-1.71	-1.30	-0.96	-1.71	-1.31	-0.96	-1.76	-1.36
25	-0.77	-1.68	-1.26	-0.75	-1.66	-1.24	-0.76	-1.66	-1.24	-0.86	-1.71	-1.30
26	-0.52	-1.53	-1.13	-0.50	-1.56	-1.13	-0.51	-1.56	-1.14	-0.56	-1.66	-1.19
27	-0.47	-1.33	-0.85	-0.45	-1.30	-0.83	-0.46	-1.36	-0.85	-0.51	-1.41	-0.92
28	-0.32	-1.48	-0.79	-0.35	-1.51	-0.79	-0.36	-1.56	-0.81	-0.41	-1.66	-0.88
29	-0.47	-1.73	-1.22	-0.50	-1.71	-1.20	-0.51	-1.71	-1.21	-0.56	-1.76	-1.26
30	-0.87	-1.78	-1.38	-0.85	-1.76	-1.36	-0.86	-1.76	-1.36	-0.91	-1.81	-1.42
31	-1.08	-1.78	-1.47	-1.05	-1.76	-1.46	-1.06	-1.76	-1.46	-1.11	-1.81	-1.51
Month	-0.32	-1.78	-1.30	-0.35	-1.76	-1.29	-0.36	-1.76	-1.30	-0.41	-1.81	-1.35

Chaivo Bay
January 1995
Natural Area (Recording Interval 120 min)

Date	Air Temperature (degrees C) Height: + 50.0cm			Air Temperature (degrees C) Height: +20.0cm			Air Temperature (degrees C) Height: +10.0cm			Air/Ice Temperature (degrees C) Height: + 0.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-18.11	-24.38	-21.58	-18.09	-24.37	-21.61	-18.62	-24.45	-21.92	-14.63	-16.89	-15.87
2	-14.80	-24.33	-19.28	-14.88	-24.37	-19.36	-15.31	-24.40	-19.78	-13.22	-16.64	-15.18
3	-13.65	-21.52	-17.63	-13.72	-21.61	-17.83	-13.45	-21.54	-18.13	-12.47	-13.97	-13.37
4	-13.15	-22.78	-19.95	-14.02	-22.66	-20.07	-15.51	-22.39	-20.20	-13.22	-14.93	-14.26
5	-16.21	-24.38	-21.23	-16.13	-24.07	-21.09	-16.72	-23.80	-20.97	-13.57	-15.73	-14.69
6	-14.40	-23.33	-18.83	-14.47	-23.36	-18.90	-15.46	-22.94	-19.05	-13.12	-15.63	-14.40
7	-14.35	-20.62	-17.43	-14.52	-20.70	-17.50	-15.36	-20.83	-17.75	-12.52	-13.77	-13.05
8	-10.79	-21.32	-17.46	-11.51	-21.40	-17.83	-12.50	-21.59	-18.29	-12.82	-15.03	-13.90
9	-6.73	-16.86	-11.16	-6.99	-17.03	-11.52	-7.42	-17.32	-12.00	-9.50	-12.57	-11.13
10	-0.01	-15.15	-6.76	0.04	-15.08	-6.75	-2.35	-9.89	-6.14	-6.38	-8.95	-7.17
11	-16.71	-28.65	-21.80	-17.09	-29.79	-22.53	-10.79	-16.01	-13.20	-6.74	-7.49	-7.06
12	-24.78	-35.47	-29.92	-25.17	-36.02	-30.62	-15.56	-18.62	-17.27	-7.64	-8.49	-8.01
13	-21.47	-32.26	-28.12	-21.81	-33.26	-28.65	-14.86	-18.52	-16.93	-8.39	-8.70	-8.59
14	-18.31	-32.71	-24.86	-19.09	-33.31	-25.45	-13.25	-18.37	-15.55	-8.34	-8.95	-8.62
15	-17.86	-31.81	-20.78	-18.19	-31.80	-20.99	-11.34	-17.77	-13.19	-7.94	-8.80	-8.37
16	-17.31	-23.98	-20.24	-17.24	-24.32	-20.58	-11.39	-16.06	-13.87	-7.94	-9.00	-8.41
17	-16.66	-25.59	-22.22	-16.93	-26.03	-22.68	-13.40	-16.56	-15.72	-9.10	-9.60	-9.37
18	-16.16	-27.14	-21.76	-16.03	-27.53	-21.77	-11.54	-17.07	-14.47	-8.90	-9.90	-9.40
19	-19.97	-33.16	-29.47	-21.25	-33.16	-29.90	-14.66	-18.77	-17.52	-9.55	-10.71	-10.23
20	-19.52	-33.76	-29.99	-17.74	-33.71	-30.02	-14.81	-19.53	-18.10	-10.66	-11.36	-11.04
21	-10.84	-32.46	-20.20	-11.96	-32.15	-20.84	-11.59	-18.72	-14.79	-9.65	-11.36	-10.43
22	-9.74	-19.42	-15.06	-9.80	-20.80	-15.67	-9.89	-13.65	-12.19	-8.54	-9.60	-9.00
23	-8.94	-15.20	-11.22	-8.50	-15.03	-11.10	-7.83	-9.89	-8.89	-7.09	-8.29	-7.50
24	-13.55	-15.86	-14.65	-11.76	-15.73	-14.29	-8.73	-10.69	-9.74	-6.79	-7.14	-7.01
25	-10.74	-13.55	-11.92	-9.20	-13.42	-10.76	-6.97	-9.13	-7.81	-5.93	-6.69	-6.35
26	-0.66	-10.34	-3.00	-1.77	-8.80	-5.07	-4.51	-6.82	-5.74	-5.08	-5.88	-5.50
27	-0.66	-1.56	-1.27	-1.57	-2.87	-2.32	-4.01	-4.46	-4.18	-4.32	-4.98	-4.62
28	-0.96	-3.97	-2.11	-1.52	-4.88	-2.98	-2.95	-4.31	-3.81	-3.92	-4.32	-4.10
29	-3.37	-6.18	-4.20	-3.57	-6.39	-4.58	-3.96	-4.51	-4.19	-3.87	-3.92	-3.90
30	-6.48	-11.14	-8.83	-6.09	-10.81	-8.78	-5.01	-6.12	-5.60	-3.87	-4.07	-3.98
31	-7.48	-12.45	-9.77	-7.54	-12.41	-9.75	-5.62	-6.67	-6.12	-4.12	-4.22	-4.17
Month	-0.01	-35.47	-16.86	0.04	-36.02	-17.15	-2.35	-24.45	-13.33	-3.87	-16.89	-9.31

Date	Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Water Temperature (degrees C) Height: -30.0cm			Water Temperature (degrees C) Depth: -40.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-12.41	-13.61	-13.09	-9.81	-10.36	-10.13	-7.42	-7.63	-7.55	-4.68	-4.88	-4.77
2	-11.50	-13.46	-12.73	-9.45	-10.31	-9.98	-7.37	-7.73	-7.56	-4.83	-5.08	-4.96
3	-10.80	-11.50	-11.25	-8.70	-9.30	-9.01	-6.77	-7.27	-6.98	-4.73	-5.03	-4.81
4	-11.35	-12.16	-11.72	-8.85	-9.40	-9.18	-6.82	-7.12	-7.00	-4.73	-4.93	-4.80
5	-11.60	-12.76	-12.15	-9.30	-9.86	-9.57	-7.07	-7.53	-7.35	-4.98	-5.18	-5.09
6	-11.35	-12.76	-12.13	-9.35	-9.96	-9.68	-7.32	-7.73	-7.55	-5.23	-5.33	-5.30
7	-10.80	-11.25	-11.05	-8.80	-9.25	-8.99	-6.97	-7.37	-7.15	-5.08	-5.33	-5.19
8	-11.20	-12.21	-11.64	-8.95	-9.55	-9.29	-6.97	-7.42	-7.24	-5.08	-5.28	-5.18
9	-8.79	-10.95	-10.02	-7.64	-9.10	-8.48	-6.42	-7.22	-6.90	-4.93	-5.28	-5.14
10	-6.22	-8.49	-7.07	-5.63	-7.49	-6.50	-5.06	-6.32	-5.69	-4.12	-4.88	-4.49
11	-6.17	-6.27	-6.20	-5.28	-5.58	-5.39	-4.45	-4.96	-4.66	-3.62	-4.02	-3.79
12	-6.33	-6.78	-6.55	-5.28	-5.48	-5.37	-4.40	-4.50	-4.46	-3.52	-3.62	-3.58
13	-6.88	-7.13	-7.03	-5.53	-5.78	-5.67	-4.55	-4.70	-4.63	-3.62	-3.72	-3.63
14	-7.08	-7.33	-7.21	-5.78	-5.93	-5.89	-4.70	-4.86	-4.82	-3.72	-3.82	-3.76
15	-6.93	-7.28	-7.12	-5.83	-5.93	-5.90	-4.86	-4.91	-4.88	-3.82	-3.87	-3.83
16	-6.88	-7.33	-7.06	-5.78	-5.93	-5.85	-4.86	-4.91	-4.87	-3.82	-3.97	-3.86
17	-7.43	-7.88	-7.71	-5.98	-6.34	-6.22	-4.91	-5.21	-5.07	-3.92	-4.02	-3.95
18	-7.68	-8.08	-7.90	-6.39	-6.54	-6.47	-5.21	-5.36	-5.30	-4.02	-4.12	-4.10
19	-7.83	-8.69	-8.34	-6.39	-6.84	-6.66	-5.31	-5.51	-5.41	-4.12	-4.23	-4.19
20	-8.79	-9.24	-9.08	-6.94	-7.39	-7.22	-5.61	-5.91	-5.78	-4.28	-4.48	-4.39
21	-8.39	-9.39	-8.97	-7.09	-7.54	-7.40	-5.96	-6.17	-6.06	-4.53	-4.68	-4.63
22	-7.63	-8.39	-7.95	-6.54	-7.04	-6.78	-5.51	-5.91	-5.73	-4.38	-4.63	-4.52
23	-6.43	-7.53	-6.91	-5.68	-6.49	-6.11	-4.96	-5.51	-5.25	-3.97	-4.38	-4.19
24	-6.07	-6.43	-6.27	-5.28	-5.63	-5.44	-4.45	-4.91	-4.66	-3.62	-3.92	-3.76
25	-5.47	-6.02	-5.76	-4.83	-5.23	-5.04	-4.15	-4.45	-4.31	-3.37	-3.57	-3.49
26	-4.87	-5.42	-5.17	-4.38	-4.78	-4.59	-3.90	-4.15	-4.00	-3.22	-3.37	-3.30
27	-4.26	-4.82	-4.50	-3.97	-4.33	-4.15	-3.60	-3.85	-3.72	-3.07	-3.22	-3.14
28	-3.86	-4.21	-4.05	-3.67	-3.92	-3.81	-3.40	-3.55	-3.50	-2.92	-3.27	-3.02
29	-3.71	-3.86	-3.79	-3.47	-3.62	-3.58	-3.19	-3.45	-3.33	-2.72	-3.27	-2.93
30	-3.66	-3.76	-3.72	-3.42	-3.52	-3.47	-3.14	-3.55	-3.32	-2.72	-3.32	-3.01
31	-3.71	-3.76	-3.76	-3.32	-3.42	-3.37	-2.94	-3.19	-3.06	-2.47	-3.32	-2.90
Month	-3.66	-13.61	-8.00	-3.32	-10.36	-6.62	-2.94	-7.73	-5.41	-2.47	-5.33	-4.12

Chaivo Bay
January 1995
Natural Area (Recording Interval 120 min)

Date	Water Temperature (degrees C) Height: -42.5cm			Water Temperature (degrees C) Height: -45.0cm			Water Temperature (degrees C) Height: -47.5cm			Water Temperature (degrees C) Height: -50.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.98	-4.28	-4.12	-3.27	-3.67	-3.46	-2.57	-3.08	-2.80	-1.67	-2.37	-2.03
2	-4.18	-4.48	-4.32	-3.52	-3.87	-3.69	-2.88	-3.33	-3.08	-2.12	-2.67	-2.36
3	-4.18	-4.48	-4.27	-3.62	-3.87	-3.73	-3.08	-3.33	-3.19	-2.37	-2.72	-2.54
4	-4.23	-4.43	-4.29	-3.67	-3.92	-3.77	-3.13	-3.43	-3.25	-2.52	-2.87	-2.66
5	-4.43	-4.69	-4.54	-3.92	-4.17	-4.01	-3.38	-3.63	-3.49	-2.72	-3.07	-2.87
6	-4.69	-4.89	-4.77	-4.17	-4.32	-4.22	-3.63	-3.83	-3.69	-2.97	-3.27	-3.09
7	-4.58	-4.89	-4.71	-4.07	-4.37	-4.20	-3.63	-3.88	-3.71	-3.07	-3.32	-3.17
8	-4.58	-4.79	-4.68	-4.12	-4.27	-4.18	-3.68	-3.83	-3.71	-3.07	-3.27	-3.16
9	-4.53	-4.79	-4.67	-4.12	-4.27	-4.20	-3.68	-3.83	-3.76	-3.17	-3.27	-3.23
10	-3.88	-4.48	-4.17	-3.62	-4.07	-3.84	-3.28	-3.68	-3.48	-3.02	-3.27	-3.10
11	-3.43	-3.83	-3.58	-3.17	-3.57	-3.33	-2.93	-3.28	-3.05	-2.67	-2.97	-2.78
12	-3.33	-3.43	-3.36	-3.12	-3.22	-3.15	-2.88	-2.98	-2.90	-2.57	-2.72	-2.65
13	-3.38	-3.48	-3.40	-3.12	-3.22	-3.17	-2.88	-2.98	-2.91	-2.57	-2.72	-2.64
14	-3.48	-3.58	-3.52	-3.22	-3.37	-3.27	-2.93	-3.08	-2.98	-2.67	-2.77	-2.71
15	-3.58	-3.68	-3.59	-3.32	-3.52	-3.36	-3.03	-3.23	-3.08	-2.72	-2.87	-2.79
16	-3.58	-3.78	-3.65	-3.37	-3.57	-3.43	-3.08	-3.48	-3.18	-2.82	-3.07	-2.90
17	-3.68	-3.78	-3.71	-3.42	-3.57	-3.45	-3.13	-3.53	-3.18	-2.82	-3.32	-2.92
18	-3.78	-3.88	-3.84	-3.52	-3.57	-3.57	-3.28	-3.28	-3.28	-2.92	-3.07	-2.98
19	-3.88	-3.93	-3.92	-3.62	-3.67	-3.63	-3.33	-3.38	-3.34	-3.02	-3.07	-3.04
20	-3.98	-4.18	-4.09	-3.72	-3.87	-3.77	-3.43	-3.53	-3.46	-3.07	-3.17	-3.12
21	-4.18	-4.38	-4.32	-3.87	-4.02	-3.99	-3.53	-3.68	-3.63	-3.22	-3.32	-3.29
22	-4.13	-4.28	-4.24	-3.82	-4.02	-3.93	-3.48	-3.68	-3.60	-3.12	-3.32	-3.25
23	-3.73	-4.08	-3.94	-3.47	-3.82	-3.66	-3.18	-3.48	-3.35	-2.87	-3.12	-3.03
24	-3.43	-3.73	-3.54	-3.17	-3.42	-3.29	-2.93	-3.13	-3.01	-2.67	-2.87	-2.74
25	-3.18	-3.38	-3.30	-3.02	-3.17	-3.09	-2.78	-2.93	-2.83	-2.52	-2.67	-2.58
26	-3.08	-3.18	-3.13	-2.92	-2.97	-2.95	-2.72	-2.78	-2.75	-2.52	-2.52	-2.52
27	-2.93	-3.08	-3.01	-2.77	-2.92	-2.85	-2.57	-2.72	-2.65	-2.37	-2.52	-2.47
28	-2.73	-3.23	-2.98	-2.42	-3.37	-2.80	-2.12	-3.18	-2.60	-1.47	-3.22	-2.45
29	-2.48	-3.43	-2.82	-2.47	-3.22	-2.70	-2.27	-2.98	-2.52	-2.12	-2.72	-2.34
30	-2.58	-2.98	-2.79	-2.42	-2.87	-2.65	-2.27	-2.72	-2.47	-2.12	-2.62	-2.30
31	-2.53	-3.23	-2.88	-2.22	-3.02	-2.74	-1.87	-2.88	-2.52	-1.82	-2.57	-2.29
Month	-2.48	-4.89	-3.81	-2.22	-4.37	-3.49	-1.87	-3.88	-3.14	-1.47	-3.32	-2.78

Date	Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Depth: -70.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-1.13	-1.78	-1.53	-1.15	-1.76	-1.51	-1.16	-1.76	-1.52	-1.21	-1.81	-1.57
2	-1.28	-1.78	-1.54	-1.25	-1.76	-1.53	-1.21	-1.76	-1.53	-1.31	-1.81	-1.58
3	-1.23	-1.78	-1.55	-1.20	-1.76	-1.53	-1.21	-1.76	-1.54	-1.31	-1.81	-1.59
4	-1.18	-1.88	-1.56	-1.20	-1.76	-1.52	-1.21	-1.76	-1.53	-1.26	-1.81	-1.58
5	-1.43	-2.03	-1.74	-1.20	-1.76	-1.51	-1.21	-1.76	-1.52	-1.26	-1.81	-1.57
6	-1.73	-2.28	-1.95	-1.15	-1.76	-1.48	-1.16	-1.76	-1.48	-1.21	-1.81	-1.53
7	-1.83	-2.23	-2.07	-0.85	-1.66	-1.33	-0.86	-1.66	-1.33	-0.91	-1.71	-1.39
8	-1.93	-2.28	-2.13	-0.45	-1.61	-1.20	-0.46	-1.61	-1.19	-0.51	-1.71	-1.25
9	-2.13	-2.43	-2.25	-0.70	-1.71	-1.19	-0.56	-1.66	-1.15	-0.61	-1.71	-1.20
10	-2.23	-2.43	-2.32	-1.10	-1.81	-1.46	-0.86	-1.71	-1.32	-0.86	-1.76	-1.37
11	-2.03	-2.38	-2.18	-1.15	-1.86	-1.53	-0.66	-1.76	-1.35	-0.71	-1.81	-1.39
12	-2.03	-2.23	-2.16	-1.25	-1.86	-1.61	-0.91	-1.76	-1.40	-0.96	-1.81	-1.45
13	-2.03	-2.23	-2.13	-1.25	-1.86	-1.57	-0.86	-1.76	-1.37	-0.96	-1.81	-1.43
14	-2.08	-2.33	-2.18	-1.25	-1.91	-1.61	-0.91	-1.76	-1.42	-0.96	-1.81	-1.47
15	-2.18	-2.43	-2.26	-1.41	-1.96	-1.70	-1.11	-1.76	-1.47	-1.16	-1.81	-1.53
16	-2.23	-2.48	-2.35	-1.51	-2.11	-1.78	-1.06	-1.81	-1.51	-1.11	-1.86	-1.56
17	-2.28	-2.53	-2.40	-1.56	-2.01	-1.78	-1.11	-1.81	-1.48	-1.16	-1.86	-1.53
18	-2.28	-2.58	-2.44	-1.61	-2.11	-1.83	-1.11	-1.76	-1.49	-1.16	-1.81	-1.52
19	-2.38	-2.63	-2.45	-1.46	-2.31	-1.82	-1.11	-1.76	-1.45	-1.16	-1.81	-1.50
20	-2.43	-2.58	-2.50	-1.66	-2.06	-1.84	-1.01	-1.71	-1.40	-1.06	-1.76	-1.45
21	-2.58	-2.68	-2.61	-1.71	-2.06	-1.88	-0.91	-1.51	-1.22	-0.96	-1.56	-1.26
22	-2.48	-2.68	-2.58	-1.66	-1.96	-1.78	-0.56	-1.36	-0.92	-0.51	-1.36	-0.95
23	-2.23	-2.43	-2.37	-1.51	-1.76	-1.63	-0.66	-1.26	-0.83	-0.31	-1.21	-0.68
24	-2.13	-2.18	-2.16	-1.51	-1.71	-1.56	-0.86	-1.36	-1.04	-0.46	-1.51	-0.94
25	-2.03	-2.18	-2.11	-1.51	-1.71	-1.59	-0.86	-1.51	-1.13	-0.41	-1.56	-0.96
26	-2.13	-2.18	-2.14	-1.61	-1.91	-1.74	-1.06	-1.71	-1.42	-0.61	-1.71	-1.29
27	-2.03	-2.18	-2.10	-1.56	-1.86	-1.70	-1.01	-1.56	-1.29	-0.51	-1.66	-1.13
28	-1.13	-3.23	-2.18	-0.90	-3.16	-1.69	-1.01	-2.67	-1.33	-0.51	-1.36	-0.87
29	-1.78	-2.63	-2.03	-1.30	-2.51	-1.66	-0.66	-1.61	-1.06	-0.36	-1.36	-0.81
30	-1.68	-2.18	-1.85	-1.20	-1.71	-1.42	-0.86	-1.46	-1.10	-0.41	-1.61	-0.95
31	-1.73	-2.43	-1.93	-1.41	-2.16	-1.58	-1.01	-1.81	-1.32	-0.56	-1.66	-1.16
Month	-1.13	-3.23	-2.12	-0.45	-3.16	-1.60	-0.46	-2.67	-1.33	-0.31	-1.86	-1.31

Chaivo Bay
February 1995
Natural Area (Recording Interval 120 min)

Date	Air Temperature (degrees C) Height:+ 50.0cm			Air Temperature (degrees C) Height: +20.0cm			Air Temperature (degrees C) Height: +10.0cm			Air/Ice Temperature (degrees C) Height: + 0.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-11.94	-21.27	-15.03	-12.01	-21.86	-15.35	-6.87	-9.63	-7.85	-4.22	-4.83	-4.49
2	-13.35	-26.29	-21.28	-13.67	-26.88	-21.82	-8.83	-11.99	-10.55	-4.98	-5.78	-5.47
3	-10.24	-23.68	-16.83	-10.86	-24.67	-17.44	-8.08	-11.89	-10.04	-5.78	-6.33	-6.08
4	-12.55	-22.38	-15.77	-13.07	-23.31	-16.31	-7.83	-11.29	-8.88	-5.63	-5.88	-5.72
5	-12.35	-24.93	-20.59	-13.07	-25.62	-21.48	-9.33	-12.70	-11.37	-6.03	-6.64	-6.42
6	-12.50	-27.74	-22.55	-13.77	-27.58	-23.12	-10.34	-13.85	-12.57	-6.74	-7.34	-7.10
7	-9.29	-29.00	-22.24	-10.76	-28.84	-22.66	-10.19	-14.71	-12.99	-7.44	-7.99	-7.71
8	-12.80	-26.24	-20.78	-13.42	-26.43	-21.53	-10.09	-14.10	-12.50	-7.49	-8.09	-7.81
9	-14.35	-24.93	-20.44	-14.57	-26.58	-21.42	-10.29	-14.20	-12.59	-7.69	-8.19	-7.91
10	-12.15	-27.59	-21.33	-12.97	-27.63	-22.07	-10.54	-14.91	-12.99	-7.84	-8.49	-8.13
11	-10.69	-27.44	-22.69	-13.62	-27.58	-23.51	-11.29	-15.16	-13.74	-8.14	-8.75	-8.43
12	-9.79	-29.25	-22.67	-13.17	-28.64	-23.19	-11.39	-15.71	-13.97	-8.44	-9.15	-8.79
13	-11.59	-26.89	-18.31	-11.56	-27.78	-18.52	-9.18	-15.31	-12.23	-7.79	-9.20	-8.67
14	-7.83	-17.11	-12.04	-8.25	-17.89	-12.53	-7.73	-10.34	-9.09	-6.94	-7.69	-7.31
15	-5.32	-19.37	-9.88	-4.23	-20.15	-10.01	-6.32	-11.64	-8.37	-6.23	-7.44	-6.90
16	-6.23	-13.75	-8.78	-6.39	-14.27	-9.10	-5.92	-7.98	-6.92	-5.68	-6.23	-5.97
17	-5.52	-23.58	-12.94	-5.48	-22.86	-13.01	-6.32	-11.54	-8.56	-5.83	-6.53	-6.12
18	-2.16	-8.94	-4.78	-2.42	-8.90	-5.00	-4.36	-7.57	-5.62	-5.03	-5.83	-5.47
19	-4.37	-7.38	-5.88	-4.53	-6.89	-5.67	-4.76	-5.32	-5.09	-4.62	-4.98	-4.79
20	-6.83	-10.24	-8.27	-6.14	-8.50	-7.28	-5.32	-5.77	-5.47	-4.52	-4.62	-4.60
21	-5.17	-9.54	-7.76	-4.73	-7.99	-6.60	-4.61	-5.67	-5.20	-4.27	-4.52	-4.44
22	-7.58	-9.84	-8.43	-5.13	-7.34	-6.33	-4.56	-5.32	-4.96	-4.07	-4.27	-4.21
23	-5.73	-11.34	-8.77	-4.33	-6.99	-5.96	-4.26	-5.06	-4.70	-3.87	-4.07	-4.00
24	-4.62	-12.09	-8.68	-3.83	-7.64	-5.92	-4.01	-5.06	-4.57	-3.72	-3.87	-3.84
25	-7.68	-11.44	-9.88	-4.98	-8.20	-6.54	-4.26	-4.86	-4.56	-3.67	-3.72	-3.70
26	-8.94	-20.07	-13.51	-7.99	-15.93	-10.74	-4.96	-7.17	-5.79	-3.67	-3.87	-3.75
27	-12.85	-23.08	-18.13	-9.95	-17.39	-14.33	-6.52	-8.53	-7.60	-3.92	-4.32	-4.19
28	-9.14	-22.18	-15.40	-7.34	-18.24	-12.75	-5.87	-8.93	-7.40	-4.37	-4.62	-4.50
Month	-2.16	-29.25	-14.77	-2.42	-28.84	-14.29	-4.01	-15.71	-8.79	-3.67	-9.20	-5.95

Date	Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Water Temperature (degrees C) Height: -30.0cm			Water Temperature (degrees C) Depth: -40.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.76	-3.96	-3.85	-3.27	-3.32	-3.27	-2.74	-2.94	-2.79	-1.46	-2.26	-2.02
2	-3.96	-4.62	-4.34	-3.32	-3.72	-3.51	-2.84	-3.09	-2.95	-2.26	-2.52	-2.40
3	-4.67	-5.07	-4.93	-3.72	-3.97	-3.89	-3.09	-3.24	-3.19	-2.57	-2.92	-2.78
4	-4.82	-4.97	-4.88	-3.92	-3.97	-3.97	-3.19	-3.24	-3.24	-2.42	-2.62	-2.47
5	-4.92	-5.32	-5.18	-3.97	-4.17	-4.08	-3.19	-3.34	-3.27	-2.42	-2.47	-2.44
6	-5.37	-5.87	-5.71	-4.23	-4.53	-4.41	-3.34	-3.55	-3.46	-2.47	-2.57	-2.52
7	-5.92	-6.38	-6.23	-4.58	-4.98	-4.84	-3.60	-3.90	-3.76	-2.57	-2.82	-2.70
8	-6.27	-6.58	-6.43	-4.98	-5.18	-5.09	-3.90	-4.05	-3.98	-2.82	-2.92	-2.88
9	-6.38	-6.68	-6.54	-5.13	-5.33	-5.23	-4.05	-4.20	-4.12	-2.92	-3.12	-3.02
10	-6.53	-6.88	-6.72	-5.28	-5.48	-5.39	-4.20	-4.35	-4.28	-3.12	-3.27	-3.19
11	-6.73	-7.13	-6.96	-5.43	-5.68	-5.58	-4.35	-4.55	-4.47	-3.27	-3.47	-3.38
12	-7.08	-7.53	-7.31	-5.68	-6.03	-5.89	-4.55	-4.86	-4.73	-3.47	-3.72	-3.61
13	-7.08	-7.63	-7.42	-5.93	-6.19	-6.09	-4.86	-5.11	-4.99	-3.72	-3.97	-3.86
14	-6.38	-6.98	-6.64	-5.58	-6.03	-5.80	-4.81	-5.06	-4.96	-3.97	-4.02	-4.00
15	-5.92	-6.48	-6.28	-5.33	-5.53	-5.49	-4.65	-4.81	-4.74	-3.92	-3.97	-3.96
16	-5.37	-5.82	-5.60	-4.88	-5.28	-5.09	-4.35	-4.65	-4.52	-3.72	-3.92	-3.84
17	-5.37	-5.62	-5.47	-4.78	-4.88	-4.83	-4.25	-4.35	-4.26	-3.62	-3.72	-3.64
18	-4.87	-5.37	-5.18	-4.53	-4.78	-4.67	-4.05	-4.20	-4.14	-3.47	-3.57	-3.53
19	-4.47	-4.82	-4.62	-4.12	-4.48	-4.28	-3.75	-4.05	-3.89	-3.22	-3.47	-3.34
20	-4.26	-4.42	-4.34	-3.87	-4.12	-3.99	-3.55	-3.70	-3.62	-3.02	-3.22	-3.12
21	-4.06	-4.26	-4.16	-3.72	-3.87	-3.80	-3.34	-3.50	-3.42	-2.87	-3.02	-2.92
22	-3.86	-4.06	-3.97	-3.52	-3.67	-3.61	-3.19	-3.34	-3.25	-2.72	-2.82	-2.77
23	-3.66	-3.86	-3.78	-3.37	-3.52	-3.44	-2.99	-3.14	-3.08	-2.57	-2.67	-2.62
24	-3.51	-3.66	-3.60	-3.22	-3.32	-3.27	-2.84	-2.99	-2.94	-2.42	-2.57	-2.51
25	-3.41	-3.51	-3.46	-3.07	-3.17	-3.13	-2.79	-2.84	-2.82	-2.42	-2.42	-2.42
26	-3.36	-3.41	-3.40	-3.02	-3.07	-3.06	-2.69	-2.74	-2.73	-2.37	-2.42	-2.37
27	-3.41	-3.61	-3.53	-3.02	-3.07	-3.04	-2.69	-2.69	-2.69	-2.31	-2.37	-2.36
28	-3.61	-3.86	-3.79	-3.07	-3.22	-3.17	-2.69	-2.79	-2.75	-2.37	-2.42	-2.39
Month	-3.36	-7.63	-5.15	-3.02	-6.19	-4.35	-2.69	-5.11	-3.68	-1.46	-4.02	-2.96

Chaivo Bay
February 1995
Natural Area (Recording Interval 120 min)

Date	Water Temperature (degrees C) Height: -42.5cm			Water Temperature (degrees C) Height: -45.0cm			Water Temperature (degrees C) Height: -47.5cm			Water Temperature (degrees C) Height: -50.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-1.57	-2.17	-1.98	-1.67	-2.12	-1.98	-1.62	-2.02	-1.90	-1.67	-2.02	-1.84
2	-2.17	-2.38	-2.26	-2.07	-2.37	-2.21	-1.97	-2.52	-2.13	-1.92	-2.37	-2.08
3	-2.38	-2.63	-2.49	-2.17	-2.42	-2.32	-1.92	-2.22	-2.13	-1.67	-2.27	-2.03
4	-2.28	-2.38	-2.33	-2.07	-2.12	-2.11	-1.82	-1.92	-1.87	-1.62	-1.72	-1.66
5	-2.28	-2.33	-2.29	-2.12	-2.12	-2.12	-1.87	-1.87	-1.87	-1.67	-1.72	-1.68
6	-2.28	-2.38	-2.33	-2.12	-2.22	-2.15	-1.87	-1.97	-1.91	-1.67	-1.77	-1.71
7	-2.38	-2.58	-2.48	-2.22	-2.37	-2.28	-1.92	-2.07	-2.02	-1.72	-1.87	-1.79
8	-2.58	-2.73	-2.66	-2.37	-2.47	-2.42	-2.07	-2.22	-2.14	-1.82	-1.97	-1.92
9	-2.73	-2.88	-2.79	-2.47	-2.62	-2.55	-2.22	-2.32	-2.27	-1.97	-2.07	-2.02
10	-2.88	-3.03	-2.95	-2.62	-2.82	-2.72	-2.32	-2.52	-2.44	-2.12	-2.27	-2.20
11	-3.08	-3.23	-3.15	-2.82	-3.02	-2.92	-2.52	-2.72	-2.65	-2.27	-2.47	-2.40
12	-3.23	-3.48	-3.37	-3.02	-3.22	-3.13	-2.78	-2.98	-2.86	-2.52	-2.72	-2.63
13	-3.48	-3.78	-3.63	-3.22	-3.52	-3.37	-2.98	-3.23	-3.11	-2.72	-2.97	-2.86
14	-3.78	-3.83	-3.80	-3.52	-3.62	-3.57	-3.28	-3.33	-3.32	-3.02	-3.12	-3.09
15	-3.73	-3.78	-3.78	-3.52	-3.62	-3.58	-3.33	-3.38	-3.35	-3.12	-3.17	-3.15
16	-3.58	-3.73	-3.68	-3.42	-3.52	-3.50	-3.23	-3.33	-3.29	-3.02	-3.12	-3.09
17	-3.43	-3.58	-3.51	-3.27	-3.42	-3.36	-3.08	-3.18	-3.15	-2.87	-3.02	-2.97
18	-3.33	-3.43	-3.40	-3.17	-3.27	-3.23	-2.93	-3.08	-3.03	-2.77	-2.87	-2.85
19	-3.08	-3.28	-3.20	-2.97	-3.17	-3.05	-2.78	-2.93	-2.85	-2.57	-2.77	-2.67
20	-2.88	-3.08	-2.99	-2.77	-2.92	-2.85	-2.57	-2.72	-2.65	-2.42	-2.57	-2.48
21	-2.73	-2.88	-2.80	-2.57	-2.77	-2.67	-2.42	-2.57	-2.48	-2.27	-2.42	-2.33
22	-2.58	-2.73	-2.65	-2.47	-2.57	-2.52	-2.27	-2.42	-2.34	-2.12	-2.22	-2.18
23	-2.48	-2.58	-2.52	-2.32	-2.47	-2.40	-2.17	-2.27	-2.22	-2.02	-2.12	-2.08
24	-2.38	-2.43	-2.41	-2.27	-2.32	-2.30	-2.07	-2.17	-2.14	-1.97	-2.02	-2.02
25	-2.33	-2.38	-2.33	-2.22	-2.27	-2.25	-2.07	-2.07	-2.07	-1.97	-2.02	-2.00
26	-2.28	-2.33	-2.31	-2.17	-2.22	-2.22	-2.07	-2.07	-2.07	-1.97	-2.02	-2.01
27	-2.28	-2.33	-2.29	-2.17	-2.27	-2.22	-2.07	-2.12	-2.09	-1.97	-2.07	-2.02
28	-2.28	-2.38	-2.31	-2.22	-2.27	-2.25	-2.07	-2.12	-2.10	-2.02	-2.07	-2.04
Month	-1.57	-3.83	-2.81	-1.67	-3.62	-2.65	-1.62	-3.38	-2.44	-1.62	-3.17	-2.28

Date	Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Depth: -70.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-1.53	-2.23	-1.67	-1.20	-2.06	-1.42	-0.81	-1.61	-1.24	-0.56	-1.71	-1.15
2	-1.68	-2.18	-1.84	-1.46	-1.76	-1.53	-0.96	-1.51	-1.11	-0.46	-1.21	-0.68
3	-1.33	-2.48	-1.95	-1.30	-1.81	-1.65	-0.71	-1.81	-1.20	-0.31	-1.11	-0.63
4	-1.08	-1.33	-1.22	-0.75	-1.20	-0.95	-0.41	-1.06	-0.60	-0.26	-0.91	-0.42
5	-1.23	-1.33	-1.30	-0.80	-0.85	-0.83	-0.46	-0.51	-0.49	-0.26	-0.36	-0.29
6	-1.33	-1.38	-1.33	-0.85	-0.95	-0.89	-0.51	-0.61	-0.56	-0.26	-0.36	-0.29
7	-1.33	-1.43	-1.37	-0.90	-1.00	-0.94	-0.56	-0.61	-0.57	-0.26	-0.46	-0.30
8	-1.43	-1.48	-1.46	-0.95	-1.05	-1.02	-0.61	-0.76	-0.66	-0.31	-0.71	-0.45
9	-1.48	-1.68	-1.57	-1.05	-1.20	-1.15	-0.76	-1.01	-0.82	-0.41	-0.96	-0.63
10	-1.68	-1.83	-1.76	-1.25	-1.46	-1.34	-0.91	-1.21	-1.02	-0.56	-1.16	-0.80
11	-1.83	-2.03	-1.96	-1.46	-1.66	-1.54	-1.06	-1.36	-1.19	-0.66	-1.21	-0.92
12	-2.08	-2.28	-2.17	-1.66	-1.86	-1.73	-1.21	-1.56	-1.36	-0.71	-1.46	-1.05
13	-2.28	-2.58	-2.41	-1.86	-2.16	-1.96	-1.36	-1.86	-1.58	-0.76	-1.76	-1.27
14	-2.58	-2.73	-2.66	-2.11	-2.36	-2.21	-1.61	-2.06	-1.82	-0.96	-1.86	-1.48
15	-2.73	-2.78	-2.75	-2.26	-2.41	-2.31	-1.71	-2.06	-1.89	-1.11	-1.81	-1.49
16	-2.68	-2.78	-2.72	-2.21	-2.41	-2.29	-1.71	-2.06	-1.89	-1.11	-1.86	-1.50
17	-2.53	-2.68	-2.61	-2.11	-2.36	-2.20	-1.66	-2.01	-1.78	-1.11	-1.61	-1.33
18	-2.38	-2.53	-2.48	-1.96	-2.11	-2.05	-1.51	-1.76	-1.63	-1.01	-1.46	-1.14
19	-2.18	-2.38	-2.30	-1.76	-1.91	-1.87	-1.36	-1.56	-1.45	-0.86	-1.26	-1.01
20	-2.08	-2.18	-2.13	-1.66	-1.76	-1.72	-1.26	-1.31	-1.30	-0.86	-0.91	-0.90
21	-1.93	-2.08	-2.00	-1.56	-1.66	-1.61	-1.21	-1.26	-1.22	-0.81	-0.91	-0.85
22	-1.83	-1.93	-1.88	-1.51	-1.56	-1.54	-1.21	-1.21	-1.21	-0.86	-1.01	-0.90
23	-1.78	-1.83	-1.81	-1.51	-1.51	-1.51	-1.16	-1.26	-1.22	-0.91	-1.16	-0.99
24	-1.78	-1.78	-1.78	-1.51	-1.56	-1.52	-1.21	-1.41	-1.31	-1.01	-1.41	-1.17
25	-1.78	-1.83	-1.79	-1.56	-1.66	-1.58	-1.36	-1.56	-1.45	-1.11	-1.61	-1.35
26	-1.83	-1.83	-1.83	-1.61	-1.71	-1.64	-1.41	-1.61	-1.50	-1.21	-1.66	-1.41
27	-1.83	-1.88	-1.86	-1.66	-1.76	-1.70	-1.41	-1.66	-1.54	-1.21	-1.66	-1.43
28	-1.88	-1.88	-1.88	-1.71	-1.76	-1.72	-1.46	-1.66	-1.55	-1.26	-1.66	-1.44
Month	-1.08	-2.78	-1.95	-0.75	-2.41	-1.59	-0.41	-2.06	-1.26	-0.26	-1.86	-0.97

Chaivo Bay
March 1995
Natural Area (Recording Interval 120 min)

Date	Air Temperature (degrees C) Height:+ 50.0cm			Air Temperature (degrees C) Height: +20.0cm			Air Temperature (degrees C) Height: +10.0cm			Air/Ice Temperature (degrees C) Height: + 0.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-10.79	-19.72	-14.66	-8.75	-16.23	-11.99	-6.12	-8.08	-7.01	-4.37	-4.57	-4.48
2	-8.53	-21.98	-14.43	-7.84	-16.68	-12.31	-5.77	-8.23	-7.02	-4.42	-4.57	-4.49
3	-9.39	-26.14	-16.75	-7.59	-19.40	-13.55	-5.97	-8.83	-7.59	-4.57	-4.78	-4.65
4	-4.52	-29.95	-18.45	-7.09	-22.91	-15.69	-6.42	-10.89	-8.76	-4.73	-5.33	-5.09
5	-7.58	-26.89	-18.17	-7.49	-18.84	-13.87	-6.22	-9.78	-8.12	-4.93	-5.28	-5.11
6	-8.78	-24.83	-18.81	-7.99	-18.34	-14.58	-6.52	-9.63	-8.45	-5.03	-5.38	-5.22
7	-2.01	-24.68	-14.83	-4.83	-18.64	-13.08	-5.52	-9.94	-8.05	-5.03	-5.48	-5.27
8	-3.97	-19.02	-9.16	-4.98	-16.13	-9.04	-5.21	-8.78	-6.77	-4.73	-5.23	-5.05
9	-2.82	-8.73	-5.20	-3.73	-5.78	-4.90	-4.26	-5.21	-4.74	-4.17	-4.62	-4.41
10	-0.66	-8.53	-5.37	-4.08	-6.39	-5.27	-4.21	-4.91	-4.60	-3.92	-4.12	-4.06
11	-1.06	-6.18	-4.73	-3.42	-4.93	-4.28	-3.81	-4.36	-4.11	-3.67	-3.92	-3.82
12	-3.37	-7.23	-5.70	-3.62	-4.78	-4.24	-3.76	-4.06	-3.92	-3.52	-3.67	-3.61
13	-1.86	-6.98	-4.35	-3.37	-4.93	-4.14	-3.51	-4.01	-3.80	-3.37	-3.52	-3.46
14	1.10	-14.90	-5.18	-3.93	-7.84	-5.37	-3.61	-4.81	-4.13	-3.32	-3.42	-3.37
15	-1.76	-21.27	-8.83	-3.83	-9.00	-4.86	-3.56	-4.71	-3.79	-3.22	-3.32	-3.28
16	-8.28	-20.57	-13.05	-7.04	-12.21	-9.71	-5.01	-6.57	-5.80	-3.22	-3.57	-3.45
17	-6.83	-17.41	-10.61	-5.43	-7.59	-6.16	-4.26	-4.91	-4.52	-3.37	-3.52	-3.47
18	-8.83	-21.42	-15.41	-8.15	-12.16	-9.80	-5.06	-6.47	-5.81	-3.37	-3.67	-3.56
19	-3.27	-20.62	-11.34	-6.04	-10.25	-8.18	-4.71	-6.02	-5.42	-3.62	-3.72	-3.67
20	-8.48	-28.24	-16.05	-8.55	-15.03	-11.71	-5.72	-7.73	-6.72	-3.57	-3.97	-3.82
21	-9.74	-20.52	-12.93	-6.29	-10.10	-7.57	-4.76	-5.72	-5.21	-3.67	-3.92	-3.79
22	-14.70	-30.65	-20.56	-10.51	-14.57	-12.49	-6.07	-7.47	-6.93	-3.67	-4.02	-3.88
23	-9.29	-32.71	-21.27	-10.96	-19.30	-15.16	-7.17	-9.68	-8.40	-4.02	-4.57	-4.36
24	-6.48	-30.25	-19.07	-9.65	-17.49	-13.51	-6.77	-9.23	-8.02	-4.42	-4.78	-4.61
25	-8.53	-29.20	-19.96	-8.20	-13.27	-10.97	-6.22	-7.68	-6.99	-4.42	-4.62	-4.55
26	-5.37	-31.05	-19.57	-9.10	-15.78	-12.49	-6.62	-8.58	-7.56	-4.42	-4.78	-4.61
27	-7.08	-24.18	-16.73	-7.99	-13.02	-10.80	-6.22	-7.68	-7.01	-4.52	-4.67	-4.61
28	0.24	-23.23	-11.76	-6.04	-13.52	-10.00	-5.52	-7.78	-6.72	-4.47	-4.73	-4.59
29	-3.72	-17.16	-7.39	-4.58	-9.95	-6.89	-4.51	-6.42	-5.54	-4.22	-4.42	-4.37
30	-0.41	-3.92	-2.47	-2.72	-4.58	-3.55	-3.61	-4.46	-4.00	-3.77	-4.17	-3.96
31	1.70	-2.16	-0.83	-2.32	-3.12	-2.78	-3.16	-3.56	-3.41	-3.47	-3.72	-3.59
Month	1.70	-32.71	-12.38	-2.32	-22.91	-9.32	-3.16	-10.89	-6.09	-3.22	-5.48	-4.20

Date	Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Water Temperature (degrees C) Height: -30.0cm			Water Temperature (degrees C) Depth: -40.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.81	-3.91	-3.86	-3.22	-3.32	-3.27	-2.79	-2.84	-2.82	-2.37	-2.47	-2.42
2	-3.86	-3.96	-3.91	-3.27	-3.37	-3.32	-2.84	-2.89	-2.87	-2.42	-2.47	-2.43
3	-3.91	-4.06	-4.00	-3.32	-3.42	-3.38	-2.89	-2.94	-2.92	-2.42	-2.47	-2.44
4	-4.01	-4.31	-4.20	-3.37	-3.57	-3.48	-2.89	-2.99	-2.95	-2.42	-2.47	-2.44
5	-4.26	-4.42	-4.32	-3.57	-3.62	-3.60	-2.99	-3.04	-3.01	-2.47	-2.52	-2.48
6	-4.26	-4.47	-4.38	-3.57	-3.67	-3.62	-2.99	-3.09	-3.03	-2.42	-2.47	-2.44
7	-4.36	-4.57	-4.47	-3.62	-3.77	-3.70	-3.04	-3.14	-3.08	-2.42	-2.52	-2.48
8	-4.31	-4.47	-4.40	-3.67	-3.72	-3.71	-3.09	-3.14	-3.13	-2.47	-2.52	-2.50
9	-3.96	-4.26	-4.11	-3.52	-3.67	-3.61	-3.04	-3.14	-3.11	-2.52	-2.57	-2.52
10	-3.71	-3.91	-3.81	-3.32	-3.47	-3.42	-2.94	-3.04	-2.99	-2.47	-2.52	-2.51
11	-3.51	-3.71	-3.61	-3.22	-3.32	-3.27	-2.84	-2.94	-2.92	-2.47	-2.47	-2.47
12	-3.36	-3.51	-3.44	-3.07	-3.17	-3.13	-2.79	-2.84	-2.83	-2.42	-2.42	-2.42
13	-3.26	-3.36	-3.29	-2.97	-3.07	-3.02	-2.69	-2.79	-2.74	-2.37	-2.42	-2.40
14	-3.16	-3.21	-3.17	-2.92	-2.97	-2.92	-2.64	-2.69	-2.65	-2.31	-2.37	-2.33
15	-3.06	-3.16	-3.10	-2.77	-2.87	-2.85	-2.54	-2.64	-2.60	-2.21	-2.31	-2.27
16	-3.01	-3.16	-3.07	-2.77	-2.77	-2.77	-2.49	-2.54	-2.51	-2.21	-2.21	-2.21
17	-3.11	-3.16	-3.14	-2.77	-2.82	-2.80	-2.49	-2.49	-2.49	-2.16	-2.21	-2.21
18	-3.11	-3.16	-3.13	-2.77	-2.77	-2.77	-2.44	-2.49	-2.46	-2.06	-2.11	-2.11
19	-3.16	-3.26	-3.22	-2.77	-2.82	-2.78	-2.44	-2.49	-2.45	-2.06	-2.11	-2.08
20	-3.21	-3.36	-3.27	-2.77	-2.82	-2.79	-2.39	-2.44	-2.42	-2.01	-2.06	-2.06
21	-3.26	-3.36	-3.33	-2.77	-2.87	-2.82	-2.39	-2.44	-2.42	-1.96	-2.06	-2.03
22	-3.26	-3.36	-3.31	-2.77	-2.82	-2.78	-2.34	-2.39	-2.38	-1.96	-1.96	-1.96
23	-3.36	-3.66	-3.53	-2.77	-2.92	-2.86	-2.34	-2.44	-2.39	-1.91	-2.01	-1.98
24	-3.66	-3.91	-3.80	-2.92	-3.12	-3.04	-2.44	-2.54	-2.50	-1.96	-2.06	-2.02
25	-3.86	-3.91	-3.88	-3.12	-3.22	-3.18	-2.54	-2.69	-2.62	-2.06	-2.16	-2.11
26	-3.81	-4.01	-3.91	-3.17	-3.27	-3.23	-2.64	-2.79	-2.71	-2.11	-2.26	-2.19
27	-3.96	-4.01	-3.98	-3.27	-3.37	-3.33	-2.74	-2.84	-2.80	-2.21	-2.31	-2.27
28	-3.96	-4.06	-4.00	-3.32	-3.42	-3.39	-2.84	-2.89	-2.87	-2.31	-2.42	-2.37
29	-3.86	-3.96	-3.95	-3.37	-3.42	-3.42	-2.89	-2.94	-2.93	-2.42	-2.47	-2.44
30	-3.61	-3.86	-3.73	-3.27	-3.37	-3.32	-2.89	-2.94	-2.93	-2.42	-2.47	-2.45
31	-3.36	-3.56	-3.46	-3.12	-3.27	-3.17	-2.79	-2.89	-2.83	-2.37	-2.42	-2.41
Month	-3.01	-4.57	-3.70	-2.77	-3.77	-3.19	-2.34	-3.14	-2.75	-1.91	-2.57	-2.31

Chaivo Bay
March 1995
Natural Area (Recording Interval 120 min)

Date	Water Temperature (degrees C) Height: -42.5cm			Water Temperature (degrees C) Height: -45.0cm			Water Temperature (degrees C) Height: -47.5cm			Water Temperature (degrees C) Height: -50.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.33	-2.38	-2.35	-2.22	-2.32	-2.27	-2.07	-2.17	-2.14	-2.02	-2.07	-2.05
2	-2.38	-2.38	-2.38	-2.27	-2.32	-2.28	-2.07	-2.17	-2.13	-2.02	-2.07	-2.04
3	-2.33	-2.38	-2.35	-2.22	-2.27	-2.25	-2.07	-2.12	-2.09	-1.97	-2.02	-2.00
4	-2.33	-2.38	-2.35	-2.17	-2.27	-2.24	-2.02	-2.07	-2.07	-1.92	-1.97	-1.96
5	-2.33	-2.38	-2.36	-2.22	-2.27	-2.24	-2.02	-2.07	-2.07	-1.92	-1.97	-1.94
6	-2.33	-2.38	-2.34	-2.17	-2.22	-2.20	-2.02	-2.07	-2.04	-1.87	-1.92	-1.89
7	-2.33	-2.38	-2.35	-2.17	-2.27	-2.22	-2.02	-2.07	-2.05	-1.87	-1.92	-1.90
8	-2.38	-2.38	-2.38	-2.22	-2.27	-2.25	-2.02	-2.07	-2.05	-1.87	-1.92	-1.90
9	-2.38	-2.43	-2.38	-2.27	-2.27	-2.27	-2.07	-2.07	-2.07	-1.92	-1.97	-1.95
10	-2.38	-2.38	-2.38	-2.27	-2.27	-2.27	-2.07	-2.12	-2.10	-1.97	-2.02	-2.00
11	-2.38	-2.38	-2.38	-2.27	-2.32	-2.28	-2.12	-2.12	-2.12	-2.02	-2.02	-2.02
12	-2.33	-2.38	-2.36	-2.22	-2.27	-2.26	-2.07	-2.12	-2.09	-1.97	-2.02	-2.02
13	-2.28	-2.33	-2.32	-2.22	-2.22	-2.22	-2.07	-2.07	-2.07	-1.97	-2.02	-1.99
14	-2.22	-2.28	-2.26	-2.17	-2.22	-2.17	-2.02	-2.07	-2.06	-1.92	-1.97	-1.97
15	-2.17	-2.22	-2.20	-2.07	-2.17	-2.12	-1.92	-2.02	-2.00	-1.82	-1.92	-1.90
16	-2.12	-2.17	-2.13	-2.02	-2.07	-2.07	-1.87	-1.92	-1.92	-1.82	-1.82	-1.82
17	-2.07	-2.12	-2.12	-2.02	-2.07	-2.05	-1.87	-1.92	-1.89	-1.77	-1.82	-1.81
18	-2.02	-2.07	-2.03	-1.97	-1.97	-1.97	-1.82	-1.87	-1.82	-1.72	-1.77	-1.73
19	-2.02	-2.02	-2.02	-1.92	-1.97	-1.95	-1.77	-1.82	-1.79	-1.67	-1.72	-1.72
20	-1.97	-1.97	-1.97	-1.87	-1.92	-1.91	-1.72	-1.77	-1.75	-1.67	-1.67	-1.67
21	-1.87	-1.97	-1.95	-1.82	-1.87	-1.85	-1.67	-1.72	-1.71	-1.57	-1.67	-1.64
22	-1.87	-1.92	-1.89	-1.77	-1.82	-1.79	-1.67	-1.67	-1.67	-1.57	-1.62	-1.58
23	-1.82	-1.92	-1.89	-1.77	-1.82	-1.80	-1.62	-1.72	-1.66	-1.52	-1.62	-1.58
24	-1.87	-1.97	-1.93	-1.77	-1.92	-1.84	-1.67	-1.72	-1.70	-1.57	-1.67	-1.63
25	-1.97	-2.07	-2.02	-1.87	-1.97	-1.93	-1.72	-1.82	-1.77	-1.67	-1.72	-1.69
26	-2.02	-2.17	-2.10	-1.97	-2.07	-2.01	-1.77	-1.92	-1.84	-1.67	-1.82	-1.76
27	-2.17	-2.22	-2.20	-2.07	-2.12	-2.10	-1.87	-1.97	-1.93	-1.82	-1.87	-1.85
28	-2.22	-2.33	-2.27	-2.12	-2.22	-2.16	-1.97	-2.07	-2.02	-1.87	-1.97	-1.91
29	-2.28	-2.38	-2.35	-2.17	-2.27	-2.24	-2.02	-2.07	-2.06	-1.92	-1.97	-1.95
30	-2.33	-2.38	-2.37	-2.22	-2.27	-2.24	-2.07	-2.07	-2.07	-1.92	-1.97	-1.97
31	-2.28	-2.33	-2.31	-2.17	-2.22	-2.20	-2.02	-2.07	-2.05	-1.87	-1.92	-1.91
Month	-1.82	-2.43	-2.22	-1.77	-2.32	-2.12	-1.62	-2.17	-1.96	-1.52	-2.07	-1.86

Date	Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Depth: -70.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-1.88	-1.93	-1.90	-1.71	-1.76	-1.73	-1.51	-1.61	-1.55	-1.21	-1.46	-1.34
2	-1.78	-1.88	-1.83	-1.51	-1.71	-1.61	-1.21	-1.56	-1.38	-0.96	-1.46	-1.17
3	-1.73	-1.78	-1.75	-1.46	-1.51	-1.49	-1.16	-1.21	-1.20	-0.86	-1.11	-0.97
4	-1.68	-1.73	-1.70	-1.41	-1.46	-1.42	-1.11	-1.21	-1.15	-0.81	-0.96	-0.89
5	-1.63	-1.68	-1.67	-1.35	-1.41	-1.40	-1.06	-1.16	-1.10	-0.76	-0.86	-0.83
6	-1.63	-1.68	-1.64	-1.30	-1.35	-1.33	-1.06	-1.06	-1.06	-0.76	-0.81	-0.79
7	-1.58	-1.68	-1.62	-1.30	-1.35	-1.33	-1.01	-1.06	-1.05	-0.76	-0.81	-0.78
8	-1.63	-1.68	-1.64	-1.30	-1.35	-1.33	-1.01	-1.11	-1.05	-0.76	-0.96	-0.82
9	-1.63	-1.68	-1.67	-1.35	-1.46	-1.40	-1.11	-1.26	-1.18	-0.91	-1.21	-1.06
10	-1.68	-1.78	-1.74	-1.46	-1.56	-1.49	-1.26	-1.36	-1.30	-1.06	-1.26	-1.16
11	-1.78	-1.83	-1.78	-1.56	-1.56	-1.56	-1.31	-1.36	-1.33	-1.11	-1.21	-1.15
12	-1.78	-1.78	-1.78	-1.56	-1.56	-1.56	-1.31	-1.41	-1.35	-1.11	-1.31	-1.20
13	-1.78	-1.78	-1.78	-1.56	-1.56	-1.56	-1.36	-1.41	-1.38	-1.11	-1.31	-1.19
14	-1.73	-1.78	-1.77	-1.51	-1.56	-1.55	-1.31	-1.41	-1.34	-1.11	-1.26	-1.14
15	-1.68	-1.73	-1.71	-1.41	-1.51	-1.48	-1.16	-1.31	-1.26	-0.96	-1.16	-1.04
16	-1.63	-1.68	-1.63	-1.41	-1.41	-1.41	-1.16	-1.21	-1.17	-0.91	-1.01	-0.96
17	-1.58	-1.63	-1.61	-1.30	-1.41	-1.38	-1.06	-1.16	-1.13	-0.86	-0.96	-0.93
18	-1.53	-1.53	-1.53	-1.25	-1.30	-1.29	-1.06	-1.06	-1.06	-0.86	-0.91	-0.88
19	-1.48	-1.53	-1.51	-1.25	-1.30	-1.30	-1.06	-1.11	-1.09	-0.91	-0.96	-0.94
20	-1.48	-1.48	-1.48	-1.20	-1.25	-1.25	-1.01	-1.06	-1.06	-0.81	-0.91	-0.87
21	-1.38	-1.48	-1.45	-1.20	-1.25	-1.22	-1.01	-1.06	-1.04	-0.86	-0.91	-0.87
22	-1.38	-1.43	-1.39	-1.20	-1.20	-1.20	-1.01	-1.06	-1.04	-0.86	-0.96	-0.92
23	-1.33	-1.43	-1.40	-1.15	-1.25	-1.22	-1.01	-1.11	-1.07	-0.91	-1.06	-0.98
24	-1.38	-1.48	-1.44	-1.20	-1.30	-1.26	-1.06	-1.21	-1.15	-1.01	-1.16	-1.08
25	-1.48	-1.53	-1.51	-1.30	-1.41	-1.35	-1.16	-1.26	-1.20	-1.06	-1.21	-1.12
26	-1.53	-1.63	-1.58	-1.35	-1.46	-1.39	-1.21	-1.26	-1.24	-1.06	-1.21	-1.14
27	-1.63	-1.68	-1.66	-1.41	-1.46	-1.43	-1.21	-1.31	-1.28	-1.11	-1.21	-1.15
28	-1.68	-1.73	-1.71	-1.46	-1.51	-1.48	-1.26	-1.31	-1.30	-1.06	-1.21	-1.12
29	-1.68	-1.73	-1.72	-1.46	-1.51	-1.47	-1.21	-1.26	-1.22	-0.91	-1.11	-0.98
30	-1.68	-1.73	-1.70	-1.41	-1.46	-1.41	-1.11	-1.16	-1.15	-0.86	-0.91	-0.89
31	-1.63	-1.68	-1.67	-1.35	-1.41	-1.39	-1.06	-1.11	-1.09	-0.76	-0.81	-0.81
Month	-1.33	-1.93	-1.64	-1.15	-1.76	-1.41	-1.01	-1.61	-1.19	-0.76	-1.46	-1.00

Chaivo Bay
April 1995
Natural Area (Recording Interval 120 min)

Date	Air Temperature (degrees C) Height: + 50.0cm			Air Temperature (degrees C) Height: +20.0cm			Air Temperature (degrees C) Height: +10.0cm			Air/Ice Temperature (degrees C) Height: + 0.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	0.34	-4.27	-2.16	-2.27	-2.72	-2.46	-2.95	-3.16	-3.08	-3.22	-3.42	-3.32
2	-0.41	-19.07	-5.45	-2.07	-3.37	-2.60	-2.80	-3.06	-2.96	-3.02	-3.17	-3.12
3	1.90	-20.42	-9.09	-3.52	-6.29	-4.78	-3.16	-4.16	-3.70	-2.97	-3.12	-3.03
4	1.30	-21.17	-8.92	-3.98	-6.64	-5.14	-3.51	-4.36	-3.91	-2.97	-3.12	-3.05
5	1.30	-18.92	-7.00	-3.78	-6.44	-4.99	-3.46	-4.31	-3.87	-2.97	-3.07	-3.03
6	-1.21	-4.77	-2.48	-2.22	-3.83	-3.04	-2.75	-3.46	-3.15	-2.87	-3.02	-2.95
7	1.10	-1.51	-0.45	-0.86	-2.27	-1.69	-2.20	-2.70	-2.53	-2.66	-2.82	-2.76
8	0.80	-6.23	-1.57	-1.11	-1.52	-1.24	-2.10	-2.15	-2.13	-2.46	-2.66	-2.57
9	-1.41	-10.44	-5.11	-1.87	-3.62	-2.92	-2.10	-2.85	-2.59	-2.46	-2.46	-2.46
10	-0.51	-7.88	-4.02	-2.27	-3.52	-2.90	-2.35	-2.85	-2.67	-2.26	-2.46	-2.42
11	-2.52	-8.43	-5.97	-2.22	-3.37	-2.80	-1.60	-2.40	-1.99	-1.81	-2.31	-2.00
12	-1.01	-15.20	-8.03	-1.87	-3.93	-2.88	-1.20	-1.50	-1.28	-1.56	-1.81	-1.68
13	-1.06	-15.15	-6.16	-1.92	-3.98	-2.92	-1.20	-1.30	-1.25	-1.46	-1.51	-1.49
14	-0.86	-6.58	-4.00	-1.41	-2.47	-1.96	-1.25	-1.30	-1.28	-1.41	-1.46	-1.42
15	0.59	-14.75	-4.98	-1.26	-1.97	-1.64	-1.20	-1.30	-1.25	-1.41	-1.41	-1.41
16	8.32	-16.66	-5.26	-1.31	-2.77	-2.03	-1.20	-1.25	-1.21	-1.36	-1.41	-1.37
17	-0.46	-17.26	-5.47	-1.16	-3.12	-2.05	-1.15	-1.20	-1.17	-1.26	-1.31	-1.30
18	1.10	-6.18	-1.64	-0.66	-1.72	-1.21	-0.90	-1.15	-1.09	-1.21	-1.26	-1.25
19	1.40	-3.67	-1.62	-0.61	-1.16	-0.90	-0.85	-1.50	-1.18	-1.21	-1.36	-1.27
20	0.69	-4.47	-1.81	-0.96	-1.11	-1.06	-1.05	-1.55	-1.26	-1.21	-1.31	-1.25
21	0.95	-10.64	-3.22	-1.06	-1.16	-1.11	-1.15	-1.35	-1.23	-1.26	-1.31	-1.28
22	4.91	-14.60	-3.95	-1.01	-1.11	-1.06	-1.15	-1.25	-1.18	-1.21	-1.26	-1.25
23	0.09	-3.47	-1.74	-0.91	-1.06	-1.00	-1.10	-1.25	-1.14	-1.21	-1.21	-1.21
24	2.00	-6.63	-2.01	-0.56	-0.91	-0.67	-0.69	-1.15	-0.93	-1.06	-1.21	-1.13
25	3.35	-10.24	-1.86	-0.26	-0.61	-0.44	-0.49	-0.69	-0.65	-0.80	-1.01	-0.91
26	1.80	-2.41	-0.58	-0.11	-0.26	-0.17	-0.24	-0.49	-0.34	-0.70	-0.80	-0.75
27	3.40	-2.92	0.38	-0.01	-0.11	-0.05	-0.14	-0.24	-0.18	-0.45	-0.70	-0.59
28	3.45	-3.47	0.00	-0.01	-0.01	-0.01	-0.09	-0.14	-0.10	-0.30	-0.45	-0.36
29	1.80	-1.76	-0.00	-0.01	-0.01	-0.01	-0.04	-0.09	-0.08	-0.20	-0.30	-0.24
30												
Month	8.32	-21.17	-3.59	-0.01	-6.64	-1.92	-0.04	-4.36	-1.70	-0.20	-3.42	-1.75

Date	Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Water Temperature (degrees C) Height: -30.0cm			Water Temperature (degrees C) Depth: -40.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.16	-3.31	-3.24	-2.92	-3.07	-3.00	-2.64	-2.79	-2.71	-2.26	-2.37	-2.32
2	-2.96	-3.11	-3.05	-2.77	-2.92	-2.85	-2.49	-2.64	-2.59	-2.16	-2.26	-2.22
3	-2.91	-2.91	-2.91	-2.67	-2.77	-2.71	-2.44	-2.49	-2.47	-2.06	-2.16	-2.12
4	-2.86	-2.86	-2.86	-2.57	-2.62	-2.60	-2.34	-2.39	-2.36	-2.01	-2.06	-2.05
5	-2.81	-2.86	-2.83	-2.57	-2.57	-2.57	-2.29	-2.34	-2.30	-1.96	-2.01	-2.00
6	-2.71	-2.81	-2.76	-2.47	-2.52	-2.50	-2.24	-2.29	-2.27	-1.91	-1.96	-1.95
7	-2.61	-2.71	-2.66	-2.42	-2.47	-2.43	-2.14	-2.19	-2.17	-1.86	-1.91	-1.88
8	-2.46	-2.56	-2.53	-2.26	-2.37	-2.34	-2.09	-2.14	-2.12	-1.81	-1.86	-1.85
9	-2.40	-2.46	-2.41	-2.21	-2.26	-2.24	-1.99	-2.09	-2.04	-1.76	-1.81	-1.77
10	-2.30	-2.35	-2.35	-2.16	-2.21	-2.19	-1.93	-1.99	-1.98	-1.71	-1.71	-1.71
11	-2.05	-2.30	-2.19	-2.06	-2.16	-2.11	-1.93	-1.93	-1.93	-1.71	-1.71	-1.71
12	-1.85	-2.05	-1.96	-1.91	-2.06	-2.00	-1.88	-1.93	-1.91	-1.71	-1.71	-1.71
13	-1.75	-1.85	-1.81	-1.86	-1.91	-1.88	-1.78	-1.83	-1.83	-1.66	-1.71	-1.71
14	-1.70	-1.75	-1.71	-1.76	-1.86	-1.80	-1.73	-1.78	-1.78	-1.61	-1.66	-1.65
15	-1.60	-1.65	-1.64	-1.71	-1.76	-1.72	-1.68	-1.73	-1.72	-1.56	-1.61	-1.59
16	-1.55	-1.60	-1.58	-1.61	-1.71	-1.66	-1.58	-1.63	-1.63	-1.51	-1.51	-1.51
17	-1.50	-1.55	-1.52	-1.56	-1.61	-1.60	-1.58	-1.58	-1.58	-1.46	-1.51	-1.46
18	-1.45	-1.50	-1.48	-1.51	-1.56	-1.54	-1.48	-1.58	-1.52	-1.36	-1.46	-1.40
19	-1.35	-1.45	-1.40	-1.46	-1.51	-1.47	-1.43	-1.48	-1.45	-1.31	-1.36	-1.35
20	-1.35	-1.40	-1.36	-1.41	-1.41	-1.41	-1.43	-1.43	-1.43	-1.31	-1.31	-1.31
21	-1.35	-1.35	-1.35	-1.36	-1.41	-1.39	-1.33	-1.38	-1.38	-1.26	-1.31	-1.28
22	-1.30	-1.35	-1.34	-1.36	-1.36	-1.36	-1.33	-1.38	-1.34	-1.26	-1.31	-1.27
23	-1.30	-1.35	-1.34	-1.31	-1.36	-1.36	-1.33	-1.33	-1.33	-1.26	-1.31	-1.28
24	-1.20	-1.30	-1.26	-1.21	-1.31	-1.29	-1.28	-1.33	-1.32	-1.26	-1.31	-1.29
25	-1.05	-1.15	-1.12	-1.11	-1.21	-1.16	-1.18	-1.23	-1.22	-1.21	-1.26	-1.25
26	-0.90	-1.05	-0.97	-1.01	-1.11	-1.06	-1.08	-1.18	-1.12	-1.16	-1.21	-1.17
27	-0.75	-0.90	-0.84	-0.91	-1.01	-0.96	-0.93	-1.08	-1.02	-1.01	-1.11	-1.07
28	-0.60	-0.75	-0.66	-0.81	-0.86	-0.84	-0.88	-0.93	-0.91	-0.96	-1.01	-0.99
29	-0.49	-0.60	-0.55	-0.76	-0.81	-0.79	-0.83	-0.88	-0.87	-0.86	-0.96	-0.90
30												
Month	-0.49	-3.31	-1.85	-0.76	-3.07	-1.82	-0.83	-2.79	-1.73	-0.86	-2.37	-1.58

Chaivo Bay
April 1995
Natural Area (Recording Interval 120 min)

Date	Water Temperature (degrees C) Height: -42.5cm			Water Temperature (degrees C) Height: -45.0cm			Water Temperature (degrees C) Height: -47.5cm			Water Temperature (degrees C) Height: -50.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.17	-2.28	-2.22	-2.12	-2.17	-2.12	-1.92	-2.02	-1.96	-1.82	-1.87	-1.85
2	-2.07	-2.17	-2.15	-1.97	-2.07	-2.05	-1.82	-1.92	-1.88	-1.72	-1.82	-1.79
3	-2.02	-2.07	-2.04	-1.92	-1.97	-1.96	-1.77	-1.82	-1.81	-1.67	-1.72	-1.70
4	-1.92	-2.02	-1.97	-1.87	-1.92	-1.89	-1.72	-1.77	-1.73	-1.62	-1.67	-1.66
5	-1.87	-1.97	-1.93	-1.82	-1.87	-1.85	-1.67	-1.72	-1.71	-1.57	-1.67	-1.64
6	-1.82	-1.92	-1.87	-1.77	-1.82	-1.80	-1.67	-1.72	-1.69	-1.57	-1.62	-1.60
7	-1.77	-1.82	-1.82	-1.72	-1.77	-1.76	-1.57	-1.62	-1.61	-1.52	-1.57	-1.55
8	-1.72	-1.77	-1.76	-1.67	-1.72	-1.71	-1.52	-1.57	-1.56	-1.47	-1.52	-1.50
9	-1.67	-1.72	-1.71	-1.62	-1.67	-1.65	-1.52	-1.52	-1.52	-1.47	-1.47	-1.47
10	-1.67	-1.67	-1.67	-1.62	-1.62	-1.62	-1.52	-1.52	-1.52	-1.47	-1.47	-1.47
11	-1.67	-1.67	-1.67	-1.62	-1.67	-1.63	-1.52	-1.52	-1.52	-1.47	-1.52	-1.49
12	-1.67	-1.72	-1.68	-1.62	-1.67	-1.64	-1.52	-1.57	-1.54	-1.47	-1.52	-1.50
13	-1.67	-1.67	-1.67	-1.62	-1.62	-1.62	-1.52	-1.52	-1.52	-1.47	-1.47	-1.47
14	-1.57	-1.67	-1.62	-1.57	-1.62	-1.60	-1.47	-1.52	-1.47	-1.42	-1.47	-1.43
15	-1.52	-1.57	-1.56	-1.47	-1.57	-1.52	-1.37	-1.42	-1.41	-1.32	-1.37	-1.36
16	-1.47	-1.52	-1.49	-1.42	-1.47	-1.46	-1.32	-1.37	-1.36	-1.27	-1.32	-1.31
17	-1.42	-1.47	-1.45	-1.37	-1.42	-1.41	-1.27	-1.32	-1.30	-1.22	-1.27	-1.26
18	-1.32	-1.42	-1.38	-1.27	-1.37	-1.33	-1.17	-1.27	-1.22	-1.12	-1.22	-1.18
19	-1.32	-1.32	-1.32	-1.27	-1.27	-1.27	-1.17	-1.17	-1.17	-1.12	-1.12	-1.12
20	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.17	-1.17	-1.17	-1.12	-1.12	-1.12
21	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.17	-1.17	-1.17	-1.12	-1.17	-1.15
22	-1.22	-1.27	-1.26	-1.27	-1.27	-1.27	-1.17	-1.22	-1.17	-1.17	-1.22	-1.20
23	-1.27	-1.32	-1.28	-1.27	-1.27	-1.27	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22
24	-1.27	-1.32	-1.30	-1.27	-1.32	-1.28	-1.17	-1.22	-1.21	-1.17	-1.22	-1.21
25	-1.22	-1.27	-1.27	-1.27	-1.27	-1.27	-1.17	-1.17	-1.17	-1.12	-1.17	-1.16
26	-1.17	-1.22	-1.20	-1.17	-1.22	-1.20	-1.06	-1.17	-1.12	-1.07	-1.12	-1.11
27	-1.02	-1.12	-1.10	-1.07	-1.17	-1.11	-1.01	-1.06	-1.05	-0.97	-1.07	-1.03
28	-0.97	-1.02	-1.00	-0.97	-1.07	-1.02	-0.91	-1.01	-0.96	-0.92	-0.97	-0.96
29	-0.92	-0.97	-0.94	-0.92	-0.97	-0.95	-0.81	-0.91	-0.87	-0.82	-0.92	-0.87
30												
Month	-0.92	-2.28	-1.55	-0.92	-2.17	-1.51	-0.81	-2.02	-1.40	-0.82	-1.87	-1.36

Date	Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Depth: -70.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-1.58	-1.63	-1.61	-1.30	-1.35	-1.31	-1.01	-1.06	-1.05	-0.76	-0.76	-0.76
2	-1.48	-1.58	-1.53	-1.20	-1.25	-1.25	-0.96	-1.01	-1.01	-0.76	-0.76	-0.76
3	-1.48	-1.48	-1.48	-1.20	-1.25	-1.22	-0.96	-1.01	-0.99	-0.76	-0.81	-0.78
4	-1.43	-1.48	-1.45	-1.20	-1.20	-1.20	-0.96	-1.01	-0.99	-0.76	-0.81	-0.79
5	-1.38	-1.48	-1.44	-1.20	-1.25	-1.23	-0.96	-1.11	-1.04	-0.81	-0.96	-0.89
6	-1.38	-1.48	-1.42	-1.20	-1.25	-1.21	-1.01	-1.11	-1.05	-0.86	-0.96	-0.91
7	-1.33	-1.38	-1.36	-1.15	-1.20	-1.19	-1.01	-1.01	-1.01	-0.86	-0.91	-0.87
8	-1.33	-1.33	-1.33	-1.15	-1.15	-1.15	-0.96	-1.01	-1.01	-0.86	-0.91	-0.87
9	-1.33	-1.33	-1.33	-1.10	-1.20	-1.15	-0.96	-1.16	-1.04	-0.86	-1.21	-1.02
10	-1.33	-1.38	-1.33	-1.20	-1.30	-1.23	-1.11	-1.31	-1.19	-1.01	-1.41	-1.22
11	-1.38	-1.43	-1.40	-1.30	-1.30	-1.30	-1.21	-1.26	-1.25	-1.16	-1.26	-1.21
12	-1.38	-1.43	-1.41	-1.20	-1.30	-1.26	-1.01	-1.21	-1.11	-0.81	-1.11	-0.92
13	-1.33	-1.33	-1.33	-1.15	-1.20	-1.17	-0.96	-1.01	-0.99	-0.76	-0.81	-0.79
14	-1.28	-1.33	-1.29	-1.05	-1.10	-1.10	-0.86	-0.91	-0.90	-0.71	-0.76	-0.74
15	-1.18	-1.23	-1.22	-1.00	-1.05	-1.05	-0.86	-0.86	-0.86	-0.66	-0.71	-0.69
16	-1.13	-1.18	-1.15	-0.95	-1.00	-1.00	-0.81	-0.86	-0.82	-0.61	-0.66	-0.63
17	-1.08	-1.13	-1.12	-0.90	-0.95	-0.94	-0.76	-0.76	-0.76	-0.61	-0.61	-0.61
18	-1.03	-1.08	-1.05	-0.85	-0.90	-0.89	-0.71	-0.76	-0.76	-0.61	-0.66	-0.63
19	-0.97	-1.03	-1.00	-0.85	-0.90	-0.87	-0.76	-0.86	-0.81	-0.66	-0.96	-0.85
20	-1.03	-1.08	-1.05	-0.90	-1.05	-0.99	-0.86	-1.16	-1.04	-0.96	-1.41	-1.20
21	-1.08	-1.18	-1.12	-1.05	-1.20	-1.13	-1.06	-1.36	-1.20	-1.06	-1.66	-1.32
22	-1.13	-1.23	-1.17	-1.10	-1.20	-1.17	-1.06	-1.36	-1.20	-0.81	-1.61	-1.23
23	-1.18	-1.18	-1.18	-1.10	-1.15	-1.14	-1.01	-1.21	-1.10	-0.51	-1.26	-1.05
24	-1.13	-1.18	-1.14	-1.00	-1.10	-1.03	-0.86	-0.91	-0.87	-0.36	-1.01	-0.66
25	-1.03	-1.13	-1.07	-0.85	-1.00	-0.90	-0.61	-0.76	-0.66	-0.26	-0.31	-0.27
26	-0.97	-1.03	-0.99	-0.75	-0.85	-0.79	-0.51	-0.56	-0.53	-0.16	-0.21	-0.17
27	-0.87	-0.92	-0.91	-0.70	-0.75	-0.71	-0.46	-0.46	-0.46	-0.11	-0.16	-0.15
28	-0.77	-0.87	-0.83	-0.65	-0.70	-0.66	-0.41	-0.46	-0.43	-0.16	-0.21	-0.18
29	-0.72	-0.77	-0.76	-0.55	-0.60	-0.59	-0.36	-0.41	-0.40	-0.21	-0.26	-0.23
30												
Month	-0.72	-1.63	-1.22	-0.55	-1.35	-1.06	-0.36	-1.36	-0.91	-0.11	-1.66	-0.77

Table 5. Daily values of surface brightness temperature and reflected radiation at the snow-removed area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

December 1994

Snow-Removed Area

Date	Brightness Temperature [deg.C] Surface Max.	Min.	Mean	Solra Radiation Reflected (81.5cm) Max. [kW/m²]	Cumulative [MJ/m²]
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30	-18.6	-24.3	-20.9	0.17	2.85
31	-19.4	-24.3	-21.0	0.16	2.71
Month	-18.6	-24.3	-20.9		

January 1995

Snow-Removed Area

Date	Brightness Temperature [deg.C] Surface Max.	Min.	Mean	Solra Radiation Reflected (81.5cm) Max. [kW/m²]	Cumulative [MJ/m²]
1	-19.9	-23.6	-21.4	0.17	2.87
2	-16.8	-23.9	-20.0	0.16	2.71
3	-15.2	-20.5	-18.9	0.13	2.22
4	-17.3	-22.0	-19.4	0.16	2.70
5	-17.9	-21.4	-19.4	0.16	2.69
6	-17.2	-23.0	-19.2	0.15	2.78
7	-17.2	-20.5	-18.6	0.15	2.53
8	-15.6	-22.4	-19.1	0.16	2.89
9	-8.5	-17.9	-13.8	0.10	1.58
10	-0.9	-16.4	-8.3	0.24	1.92
11	-17.9	-23.4	-21.4	0.17	2.86
12	-11.7	-26.2	-18.2	0.19	3.54
13	-15.2	-23.3	-18.7	0.18	3.19
14	-17.9	-24.7	-21.5	0.24	3.84
15	-17.6	-23.4	-20.9	0.21	3.58
16	-20.0	-23.3	-21.7	0.26	4.71
17				0.24	4.13
18				0.14	2.66
19				0.26	4.71
20				0.25	4.72
21				0.23	4.01
22				0.22	3.25
23				0.13	2.39
24				0.14	2.52
25				0.14	2.63
26				0.15	2.51
27				0.18	3.12
28				0.18	3.35
29				0.22	3.84
30				0.18	3.23
31				0.16	2.87
Month	-0.9	-26.2	-18.8		

February 1995

Snow-Removed Area

Date	Brightness Temperature [deg.C] Surface Max.	Min.	Mean	Solra Radiation Reflected (81.5cm) Max. [kW/m²]	Cumulative [MJ/m²]
1				0.28	5.39
2				0.31	6.22
3				0.25	5.07
4				0.32	6.27
5				0.34	6.89
6				0.35	7.08
7				0.34	6.38
8				0.23	4.72
9				0.23	4.68
10				0.23	4.83
11				0.23	4.89
12				0.22	4.79
13				0.25	5.13
14				0.30	6.71
15				0.34	6.54
16				0.28	5.54
17				0.26	5.96
18				0.25	4.56
19				0.24	5.12
20				0.28	6.19
21				0.24	5.34
22				0.29	5.83
23				0.25	5.16
24				0.37	7.18
25				0.31	6.42
26				0.47	10.99
27				0.42	10.69
28				0.56	11.80
Month					

March 1995

Snow-Removed Area

Date	Brightness Temperature [deg.C] Surface Max.	Min.	Mean	Solra Radiation Reflected (81.5cm) Max. [kW/m²]	Cumulative [MJ/m²]
1				0.51	10.32
2				0.49	11.49
3				0.59	12.83
4				0.56	12.90
5				0.58	12.95
6				0.58	14.27
7				0.55	13.74
8				0.38	8.28
9				0.33	7.71
10				0.41	9.40
11				0.48	9.50
12				0.40	9.02
13				0.38	9.15
14				0.53	12.05
15				0.49	11.76
16				0.43	8.36
17				0.20	5.42
18				0.61	15.52
19				0.49	11.04
20				0.52	13.13
21				0.52	13.81
22				0.61	15.52
23				0.58	14.20
24				0.60	13.19
25				0.62	16.47
26				0.24	7.08
27				0.22	6.36
28				0.20	5.82
29				0.19	4.96
30				0.41	9.50
31				0.48	11.28
Month					

April 1995

Snow-Removed Area

Date	Brightness Temperature [deg.C] Surface Max.	Min.	Mean	Solra Radiation Reflected (81.5cm) Max. [kW/m²]	Cumulative [MJ/m²]
1				0.32	9.45
2				0.56	14.63
3				0.60	15.54
4				0.61	16.80
5				0.61	17.35
6				0.48	12.12
7				0.29	6.71
8				0.44	10.09
9				0.50	11.98
10				0.49	11.97
11				0.60	15.49
12				0.67	20.18
13				0.52	14.79
14				0.51	12.38
15				0.56	15.51
16				0.68	18.71
17				0.65	18.48
18				0.61	14.78
19				0.63	14.88
20				0.57	13.63
21				0.64	18.93
22				0.60	15.21
23				0.65	16.03
24				0.75	19.20
25				0.56	16.16
26				0.61	15.36
27				0.59	14.87
28				0.48	12.69
29				0.33	9.08
30					
Month					

Table 6. Ice/water temperatures installed at the air-ice interface (0 cm) and at the depths of 10, 20, 30, 40, 42.5, 45, 47.5, 50, 52.5, 55, 57.5, 60, 65, 70 and 80 cm below the air-ice interface at the snow-removed area on sea ice field at Kleye Strait during the period from 11 December 1994 to 29 April 1995.

Chaivo Bay
December 1994
Snow-Removed Area (Recording Interval 120 min)

Date	Air/Ice Temperature (degrees C) Height: 0.0cm			Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Ice Temperature (degrees C) Height: -30.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
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18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30	-20.06	-26.45	-24.05	-16.77	-18.68	-17.72	-11.48	-14.59	-13.79	-5.24	-11.26	-9.66
31	-20.71	-25.95	-24.07	-17.62	-19.38	-18.52	-14.69	-15.75	-15.21	-11.41	-12.37	-12.00
Month	-20.06	-26.45	-24.06	-16.77	-19.38	-18.12	-11.48	-15.75	-14.50	-5.24	-12.37	-10.83

Date	Ice Temperature (degrees C) Height: -40.0cm			Ice Temperature (degrees C) Height: -42.5cm			Ice Temperature (degrees C) Height: -45.0cm			Ice Temperature (degrees C) Depth: -47.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
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18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30	-1.99	-8.08	-5.74	-1.74	-7.27	-4.89	-1.43	-6.57	-4.15	-1.41	-5.65	-3.46
31	-8.23	-9.19	-8.83	-7.43	-8.38	-8.08	-6.67	-7.72	-7.29	-5.75	-6.92	-6.41
Month	-1.99	-9.19	-7.28	-1.74	-8.38	-6.44	-1.43	-7.72	-5.72	-1.41	-6.92	-4.94

Chaivo Bay
December 1994
Snow-Removed Area (Recording Interval 120 min)

Date	Ice Temperature (degrees C) Height: -50.0cm			Water Temperature (degrees C) Height: -52.5cm			Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -57.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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19												
20												
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22												
23												
24												
25												
26												
27												
28												
29												
30	-1.11	-4.58	-2.66	-0.97	-3.59	-2.15	-1.06	-2.77	-1.83	-0.89	-2.05	-1.53
31	-4.73	-6.09	-5.48	-3.74	-5.30	-4.63	-2.77	-4.43	-3.71	-1.95	-3.71	-2.91
Month	-1.11	-6.09	-4.07	-0.97	-5.30	-3.39	-1.06	-4.43	-2.77	-0.89	-3.71	-2.22

Date	Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Height: -70.0cm			Water Temperature (degrees C) Depth: -80.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
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18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30	-0.75	-1.80	-1.36	-0.74	-1.74	-1.34	-0.28	-1.23	-0.84	-0.78	-1.79	-1.35
31	-1.20	-2.76	-2.02	-0.99	-1.79	-1.46	-0.48	-1.18	-0.91	-1.03	-1.79	-1.47
Month	-0.75	-2.76	-1.69	-0.74	-1.79	-1.40	-0.28	-1.23	-0.88	-0.78	-1.79	-1.41

Chaivo Bay
January 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Air/Ice Temperature (degrees C) Height: 0.0cm			Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Ice Temperature (degrees C) Height: -30.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-18.35	-24.64	-22.02	-16.51	-19.08	-17.93	-14.24	-15.75	-15.11	-11.77	-12.57	-12.25
2	-15.53	-24.49	-19.95	-14.75	-18.88	-17.11	-13.14	-15.65	-14.69	-11.21	-12.57	-12.08
3	-14.22	-21.72	-18.19	-13.70	-15.51	-14.83	-12.18	-13.14	-12.75	-10.21	-11.06	-10.67
4	-15.43	-22.27	-20.31	-14.70	-16.72	-15.85	-12.89	-13.89	-13.32	-10.46	-11.26	-10.90
5	-16.69	-23.78	-21.02	-15.26	-17.87	-16.55	-13.29	-14.64	-13.94	-10.96	-11.87	-11.43
6	-15.33	-23.48	-19.42	-14.70	-17.62	-16.20	-12.99	-14.74	-13.96	-11.06	-12.07	-11.61
7	-15.43	-20.76	-17.83	-14.00	-15.36	-14.60	-12.28	-12.84	-12.61	-10.36	-10.96	-10.66
8	-13.67	-21.92	-18.54	-14.25	-16.87	-15.50	-12.69	-14.04	-13.28	-10.61	-11.46	-11.04
9	-7.58	-17.44	-12.61	-10.48	-13.85	-12.25	-9.83	-12.39	-11.26	-8.75	-10.66	-9.86
10	-2.40	-9.44	-6.45	-7.16	-9.88	-7.93	-6.91	-9.57	-7.93	-6.39	-8.60	-7.40
11	-9.69	-14.17	-11.88	-7.41	-8.57	-7.92	-6.81	-7.17	-6.97	-6.09	-6.34	-6.15
12	-14.32	-25.59	-18.68	-8.72	-16.01	-10.95	-7.27	-11.63	-8.47	-6.14	-8.25	-6.66
13	-20.51	-27.05	-24.24	-16.77	-19.03	-17.64	-12.44	-15.35	-14.19	-8.95	-12.22	-10.98
14	-19.25	-26.85	-23.12	-17.27	-20.24	-18.58	-15.20	-16.80	-15.91	-12.52	-13.62	-13.17
15	-18.45	-26.20	-20.27	-15.46	-18.53	-16.82	-13.89	-15.75	-14.89	-12.12	-13.22	-12.78
16	-17.74	-23.03	-20.26	-15.06	-16.31	-15.61	-13.44	-13.89	-13.69	-11.56	-12.02	-11.78
17	-17.74	-23.33	-21.50	-15.51	-17.02	-16.51	-13.89	-14.64	-14.31	-11.82	-12.37	-12.12
18	-16.18	-23.08	-19.65	-14.80	-17.47	-16.09	-13.44	-15.04	-14.26	-11.71	-12.72	-12.28
19	-20.51	-24.94	-23.50	-16.36	-18.22	-17.52	-13.89	-15.50	-15.00	-11.82	-13.07	-12.64
20	-20.66	-26.00	-24.06	-17.77	-19.33	-18.55	-15.65	-16.55	-16.07	-13.17	-14.02	-13.66
21	-14.57	-24.84	-19.38	-15.06	-18.88	-16.90	-14.04	-16.45	-15.28	-12.47	-14.02	-13.39
22	-12.16	-18.00	-15.66	-13.15	-15.36	-14.22	-12.33	-14.04	-13.10	-11.01	-12.42	-11.71
23	-9.29	-13.72	-11.31	-10.03	-12.39	-10.82	-9.52	-11.98	-10.41	-8.70	-10.86	-9.64
24	-11.00	-14.67	-12.36	-9.78	-11.13	-10.49	-9.07	-9.88	-9.57	-8.20	-8.70	-8.54
25	-9.09	-10.75	-9.82	-8.37	-9.68	-9.00	-7.87	-8.97	-8.42	-7.20	-8.10	-7.65
26	-5.42	-8.79	-7.04	-6.61	-8.27	-7.51	-6.61	-7.77	-7.24	-6.24	-7.10	-6.69
27	-4.71	-5.42	-4.94	-5.40	-6.46	-5.86	-5.46	-6.46	-5.92	-5.24	-6.14	-5.67
28	-4.06	-4.86	-4.51	-4.85	-5.35	-5.05	-4.81	-5.36	-5.08	-4.58	-5.19	-4.87
29	-4.66	-5.01	-4.81	-4.65	-4.85	-4.74	-4.51	-4.81	-4.64	-4.23	-4.53	-4.38
30	-5.26	-8.23	-6.47	-4.65	-5.25	-4.82	-4.41	-4.51	-4.45	-4.03	-4.23	-4.12
31	-6.62	-8.74	-7.68	-5.40	-5.80	-5.62	-4.61	-4.96	-4.87	-4.08	-4.28	-4.21
Month	-2.40	-27.05	-15.73	-4.65	-20.24	-12.90	-4.41	-16.80	-11.34	-4.03	-14.02	-9.71

Date	Ice Temperature (degrees C) Height: -40.0cm			Ice Temperature (degrees C) Height: -42.5cm			Ice Temperature (degrees C) Height: -45.0cm			Ice Temperature (degrees C) Depth: -47.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-9.14	-9.49	-9.33	-8.43	-8.68	-8.55	-7.77	-8.03	-7.90	-6.97	-7.22	-7.08
2	-9.03	-9.59	-9.36	-8.38	-8.83	-8.63	-7.87	-8.18	-8.02	-7.12	-7.42	-7.27
3	-8.13	-8.93	-8.50	-7.58	-8.28	-7.89	-7.17	-7.82	-7.45	-6.56	-7.17	-6.80
4	-8.18	-8.73	-8.53	-7.63	-8.13	-7.91	-7.17	-7.62	-7.43	-6.61	-6.92	-6.79
5	-8.63	-9.29	-9.01	-7.98	-8.63	-8.36	-7.52	-8.08	-7.85	-6.92	-7.37	-7.20
6	-8.98	-9.54	-9.28	-8.38	-8.88	-8.63	-7.93	-8.33	-8.13	-7.32	-7.67	-7.50
7	-8.43	-8.98	-8.70	-7.88	-8.43	-8.15	-7.47	-7.98	-7.73	-6.92	-7.42	-7.18
8	-8.48	-9.14	-8.84	-7.88	-8.48	-8.23	-7.52	-7.98	-7.79	-6.92	-7.37	-7.19
9	-7.53	-8.73	-8.24	-7.07	-8.18	-7.74	-6.82	-7.77	-7.41	-6.46	-7.22	-6.90
10	-5.77	-7.43	-6.57	-5.41	-6.97	-6.18	-5.41	-6.77	-6.10	-5.15	-6.41	-5.78
11	-5.16	-5.66	-5.35	-4.96	-5.36	-5.09	-4.75	-5.31	-4.98	-4.49	-5.10	-4.73
12	-5.16	-6.02	-5.36	-4.91	-5.51	-5.06	-4.75	-5.26	-4.85	-4.49	-4.85	-4.56
13	-6.37	-9.44	-8.20	-5.87	-8.73	-7.53	-5.46	-8.18	-7.03	-5.05	-7.57	-6.42
14	-9.64	-10.85	-10.51	-8.98	-10.14	-9.81	-8.43	-9.64	-9.28	-7.72	-8.94	-8.59
15	-10.24	-10.85	-10.62	-9.69	-10.19	-10.00	-9.34	-9.69	-9.59	-8.78	-9.09	-8.97
16	-9.69	-10.19	-9.89	-9.24	-9.69	-9.42	-8.83	-9.29	-9.03	-8.33	-8.78	-8.51
17	-9.74	-10.19	-10.02	-9.29	-9.64	-9.50	-8.88	-9.24	-9.09	-8.38	-8.68	-8.54
18	-9.94	-10.54	-10.30	-9.54	-9.94	-9.74	-9.13	-9.59	-9.37	-8.63	-8.99	-8.82
19	-9.94	-10.80	-10.47	-9.49	-10.19	-9.90	-9.13	-9.79	-9.50	-8.63	-9.24	-8.94
20	-10.90	-11.60	-11.33	-10.29	-11.00	-10.74	-9.84	-10.55	-10.26	-9.29	-9.89	-9.67
21	-10.80	-11.70	-11.40	-10.29	-11.15	-10.87	-9.89	-10.70	-10.45	-9.49	-10.05	-9.87
22	-9.59	-10.69	-10.18	-9.14	-10.19	-9.73	-8.88	-9.89	-9.43	-8.48	-9.39	-8.99
23	-7.78	-9.54	-8.63	-7.53	-9.09	-8.26	-7.32	-8.83	-8.08	-7.02	-8.38	-7.74
24	-7.22	-7.68	-7.49	-6.92	-7.43	-7.17	-6.72	-7.22	-6.96	-6.46	-6.92	-6.66
25	-6.42	-7.17	-6.78	-6.17	-6.82	-6.51	-6.06	-6.67	-6.38	-5.81	-6.41	-6.12
26	-5.72	-6.37	-6.06	-5.41	-6.12	-5.76	-5.41	-6.01	-5.70	-5.25	-5.75	-5.50
27	-4.91	-5.61	-5.27	-4.66	-5.36	-5.03	-4.70	-5.36	-5.05	-4.54	-5.20	-4.89
28	-4.31	-4.86	-4.57	-4.16	-4.61	-4.39	-4.20	-4.65	-4.40	-4.04	-4.54	-4.28
29	-3.95	-4.26	-4.11	-3.85	-4.11	-3.98	-3.84	-4.15	-3.97	-3.74	-4.04	-3.87
30	-3.70	-3.95	-3.82	-3.60	-3.80	-3.69	-3.59	-3.79	-3.68	-3.48	-3.69	-3.58
31	-3.70	-3.80	-3.74	-3.55	-3.60	-3.58	-3.54	-3.54	-3.54	-3.43	-3.48	-3.44
Month	-3.70	-11.70	-8.08	-3.55	-11.15	-7.61	-3.54	-10.70	-7.30	-3.43	-10.05	-6.85

Chaivo Bay
January 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Ice Temperature (degrees C) Height: -50.0cm			Water Temperature (degrees C) Height: -52.5cm			Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -57.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-6.09	-6.34	-6.22	-5.25	-5.65	-5.45	-4.28	-4.88	-4.59	-3.41	-4.17	-3.79
2	-6.34	-6.59	-6.44	-5.60	-5.90	-5.74	-4.73	-5.19	-4.97	-3.97	-4.52	-4.22
3	-5.99	-6.44	-6.15	-5.45	-5.85	-5.56	-4.78	-5.19	-4.91	-4.12	-4.47	-4.27
4	-5.99	-6.24	-6.14	-5.45	-5.70	-5.57	-4.83	-5.13	-4.95	-4.22	-4.57	-4.35
5	-6.29	-6.64	-6.51	-5.75	-6.10	-5.95	-5.19	-5.49	-5.30	-4.57	-4.87	-4.67
6	-6.64	-6.89	-6.79	-6.10	-6.36	-6.24	-5.49	-5.69	-5.59	-4.87	-5.12	-4.99
7	-6.34	-6.79	-6.55	-5.90	-6.31	-6.07	-5.34	-5.69	-5.49	-4.82	-5.12	-4.94
8	-6.34	-6.69	-6.55	-5.90	-6.16	-6.06	-5.34	-5.54	-5.45	-4.82	-5.02	-4.90
9	-6.04	-6.59	-6.37	-5.60	-6.10	-5.92	-5.24	-5.54	-5.39	-4.72	-5.02	-4.88
10	-4.88	-5.94	-5.42	-4.64	-5.55	-5.11	-4.33	-5.13	-4.74	-4.02	-4.67	-4.35
11	-4.23	-4.78	-4.44	-4.04	-4.54	-4.22	-3.78	-4.28	-3.96	-3.51	-4.02	-3.67
12	-4.18	-4.43	-4.24	-3.94	-4.14	-4.00	-3.73	-3.88	-3.77	-3.41	-3.66	-3.49
13	-4.58	-6.84	-5.80	-4.29	-6.36	-5.33	-3.98	-5.74	-4.82	-3.66	-5.23	-4.36
14	-7.05	-8.25	-7.86	-6.51	-7.72	-7.26	-5.89	-7.10	-6.61	-5.33	-6.49	-6.00
15	-8.20	-8.40	-8.32	-7.72	-7.82	-7.77	-7.10	-7.20	-7.17	-6.54	-6.64	-6.58
16	-7.80	-8.15	-7.93	-7.31	-7.72	-7.47	-6.80	-7.15	-6.91	-6.33	-6.59	-6.43
17	-7.80	-8.05	-7.93	-7.36	-7.57	-7.47	-6.80	-7.00	-6.91	-6.39	-6.49	-6.42
18	-8.05	-8.35	-8.22	-7.57	-7.87	-7.74	-7.05	-7.30	-7.19	-6.54	-6.74	-6.65
19	-8.05	-8.61	-8.33	-7.67	-8.07	-7.84	-7.15	-7.55	-7.31	-6.64	-6.99	-6.76
20	-8.66	-9.26	-9.02	-8.12	-8.67	-8.47	-7.60	-8.05	-7.87	-7.04	-7.54	-7.32
21	-8.91	-9.46	-9.29	-8.47	-8.93	-8.78	-7.90	-8.31	-8.17	-7.44	-7.75	-7.64
22	-8.00	-8.86	-8.47	-7.62	-8.37	-8.03	-7.15	-7.85	-7.57	-6.69	-7.39	-7.07
23	-6.69	-7.90	-7.33	-6.41	-7.57	-7.01	-6.14	-7.10	-6.63	-5.73	-6.64	-6.23
24	-6.14	-6.59	-6.32	-5.85	-6.36	-6.07	-5.54	-6.04	-5.73	-5.23	-5.68	-5.40
25	-5.54	-6.09	-5.81	-5.30	-5.80	-5.56	-5.03	-5.49	-5.28	-4.77	-5.18	-4.97
26	-5.03	-5.49	-5.25	-4.85	-5.25	-5.06	-4.63	-5.03	-4.83	-4.37	-4.72	-4.53
27	-4.38	-4.98	-4.68	-4.29	-4.80	-4.53	-4.13	-4.58	-4.36	-3.91	-4.37	-4.14
28	-3.93	-4.33	-4.13	-3.79	-4.24	-4.02	-3.67	-4.08	-3.89	-3.51	-3.86	-3.70
29	-3.57	-3.87	-3.72	-3.49	-3.79	-3.64	-3.37	-3.67	-3.52	-3.21	-3.51	-3.35
30	-3.32	-3.57	-3.45	-3.23	-3.49	-3.36	-3.12	-3.37	-3.25	-2.96	-3.16	-3.08
31	-3.27	-3.32	-3.28	-3.13	-3.23	-3.19	-3.07	-3.12	-3.08	-2.86	-2.96	-2.92
Month	-3.27	-9.46	-6.35	-3.13	-8.93	-5.95	-3.07	-8.31	-5.49	-2.86	-7.75	-5.03

Date	Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Height: -70.0cm			Water Temperature (degrees C) Depth: -80.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.36	-3.31	-2.88	-0.99	-1.79	-1.49	-0.48	-1.23	-0.95	-1.03	-1.79	-1.51
2	-3.11	-3.77	-3.42	-1.09	-2.14	-1.65	-0.58	-1.18	-0.94	-1.13	-1.79	-1.53
3	-3.41	-3.77	-3.60	-1.69	-2.40	-2.07	-0.48	-1.18	-0.94	-1.08	-1.79	-1.53
4	-3.57	-3.97	-3.73	-2.04	-2.70	-2.37	-0.58	-1.23	-0.97	-1.18	-1.79	-1.53
5	-3.87	-4.27	-4.04	-2.40	-3.00	-2.68	-0.63	-1.33	-1.02	-1.13	-1.79	-1.51
6	-4.22	-4.52	-4.33	-2.75	-3.25	-2.96	-0.78	-1.74	-1.25	-1.08	-1.79	-1.45
7	-4.22	-4.52	-4.33	-2.95	-3.25	-3.07	-1.13	-1.74	-1.47	-0.83	-1.69	-1.22
8	-4.22	-4.42	-4.30	-2.95	-3.25	-3.10	-1.28	-1.89	-1.60	-0.43	-1.64	-1.01
9	-4.27	-4.42	-4.33	-3.15	-3.30	-3.23	-1.69	-2.09	-1.87	-0.53	-1.74	-1.05
10	-3.77	-4.22	-3.96	-3.05	-3.25	-3.11	-1.69	-2.04	-1.84	-0.78	-1.79	-1.25
11	-3.26	-3.67	-3.39	-2.65	-3.05	-2.78	-1.43	-1.84	-1.67	-0.58	-1.79	-1.30
12	-3.16	-3.36	-3.23	-2.55	-2.80	-2.68	-1.48	-1.84	-1.66	-0.78	-1.79	-1.35
13	-3.36	-4.67	-3.91	-2.75	-3.60	-3.05	-1.53	-2.29	-1.87	-0.78	-1.79	-1.34
14	-4.77	-5.88	-5.38	-3.65	-4.66	-4.12	-2.29	-3.20	-2.68	-0.88	-1.79	-1.42
15	-5.93	-6.08	-5.99	-4.61	-4.91	-4.72	-3.05	-3.60	-3.27	-0.98	-1.84	-1.48
16	-5.78	-6.08	-5.87	-4.61	-4.91	-4.74	-3.30	-3.60	-3.44	-0.98	-1.89	-1.51
17	-5.83	-5.98	-5.88	-4.66	-4.96	-4.78	-3.35	-3.70	-3.50	-1.13	-1.99	-1.59
18	-6.03	-6.23	-6.15	-4.96	-5.11	-5.02	-3.65	-3.95	-3.75	-1.38	-2.19	-1.81
19	-6.13	-6.44	-6.26	-5.06	-5.31	-5.14	-3.80	-4.15	-3.93	-1.64	-2.29	-1.96
20	-6.49	-6.89	-6.71	-5.36	-5.72	-5.51	-4.10	-4.46	-4.24	-1.84	-2.49	-2.14
21	-6.84	-7.09	-7.02	-5.77	-5.87	-5.82	-4.46	-4.51	-4.48	-2.09	-2.44	-2.27
22	-6.23	-6.79	-6.57	-5.26	-5.72	-5.51	-4.00	-4.46	-4.24	-2.09	-2.49	-2.23
23	-5.38	-6.18	-5.83	-4.61	-5.21	-4.95	-3.25	-3.95	-3.63	-2.09	-2.29	-2.16
24	-4.88	-5.33	-5.06	-4.16	-4.51	-4.30	-2.94	-3.20	-3.04	-2.04	-2.19	-2.11
25	-4.47	-4.82	-4.66	-3.90	-4.16	-4.02	-2.74	-2.94	-2.82	-1.99	-2.19	-2.06
26	-4.17	-4.42	-4.29	-3.65	-3.85	-3.76	-2.59	-2.74	-2.65	-2.04	-2.24	-2.13
27	-3.72	-4.12	-3.94	-3.35	-3.65	-3.51	-2.39	-2.64	-2.51	-1.94	-2.14	-2.03
28	-3.36	-3.72	-3.54	-3.05	-3.30	-3.19	-2.14	-2.39	-2.29	-1.84	-2.04	-1.90
29	-3.06	-3.31	-3.21	-2.75	-3.00	-2.89	-1.89	-2.14	-2.04	-1.69	-1.84	-1.74
30	-2.86	-3.06	-2.94	-2.55	-2.75	-2.66	-1.74	-1.89	-1.83	-1.53	-1.69	-1.62
31	-2.76	-2.81	-2.79	-2.45	-2.55	-2.51	-1.64	-1.74	-1.71	-1.53	-1.69	-1.61
Month	-2.36	-7.09	-4.57	-0.99	-5.87	-3.59	-0.48	-4.51	-2.39	-0.43	-2.49	-1.66

Chaivo Bay
February 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Air/Ice Temperature (degrees C) Height: 0.0cm			Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Ice Temperature (degrees C) Height: -30.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-8.64	-14.07	-10.67	-5.85	-8.07	-6.57	-5.01	-6.01	-5.35	-4.28	-4.74	-4.47
2	-11.61	-16.64	-14.65	-8.67	-10.98	-10.01	-6.36	-8.67	-7.77	-4.89	-6.74	-5.97
3	-10.95	-16.64	-13.92	-10.08	-12.19	-11.21	-8.92	-9.93	-9.42	-6.94	-8.00	-7.64
4	-11.00	-15.08	-12.47	-9.53	-10.38	-9.89	-8.47	-8.92	-8.71	-7.30	-7.65	-7.48
5	-12.01	-16.44	-14.85	-10.63	-11.69	-11.14	-8.87	-9.73	-9.43	-7.45	-8.10	-7.88
6	-12.66	-17.19	-15.76	-11.34	-12.49	-12.00	-9.73	-10.53	-10.21	-8.10	-8.80	-8.56
7	-11.91	-19.76	-16.90	-11.69	-13.70	-12.89	-10.58	-11.38	-10.98	-8.80	-9.51	-9.23
8	-13.06	-21.72	-18.79	-12.74	-15.86	-14.48	-11.63	-13.24	-12.35	-9.56	-10.91	-10.34
9	-14.57	-22.22	-19.40	-13.55	-16.97	-15.36	-12.49	-14.24	-13.27	-10.56	-11.87	-11.24
10	-12.51	-23.48	-19.81	-13.65	-17.77	-15.89	-12.84	-14.94	-13.83	-11.21	-12.52	-11.83
11	-13.01	-24.64	-20.77	-14.45	-18.68	-16.78	-13.54	-15.75	-14.53	-11.66	-13.17	-12.46
12	-13.37	-24.44	-20.72	-14.45	-18.78	-16.81	-13.69	-15.95	-14.82	-12.27	-13.57	-12.85
13	-13.11	-24.49	-18.28	-13.35	-19.03	-16.36	-12.94	-16.30	-14.81	-12.02	-13.87	-13.04
14	-11.45	-13.27	-12.36	-11.18	-13.15	-12.03	-10.68	-12.64	-11.56	-9.91	-11.77	-10.79
15	-9.49	-13.11	-11.06	-9.63	-11.29	-10.63	-9.37	-10.58	-10.12	-8.85	-9.81	-9.41
16	-8.38	-9.54	-8.98	-8.37	-9.53	-8.92	-8.12	-9.27	-8.67	-7.65	-8.70	-8.17
17	-8.28	-10.50	-9.21	-8.07	-8.77	-8.44	-7.72	-8.07	-7.95	-7.20	-7.60	-7.38
18	-6.67	-8.54	-7.41	-6.91	-8.02	-7.51	-6.81	-7.67	-7.28	-6.49	-7.10	-6.81
19	-6.32	-6.62	-6.44	-6.26	-6.81	-6.50	-6.11	-6.71	-6.40	-5.79	-6.39	-6.08
20	-6.27	-6.52	-6.38	-6.01	-6.26	-6.13	-5.76	-6.06	-5.91	-5.39	-5.74	-5.54
21	-5.77	-6.32	-6.07	-5.60	-5.96	-5.83	-5.41	-5.71	-5.57	-5.04	-5.34	-5.20
22	-5.62	-6.57	-6.06	-5.40	-5.60	-5.52	-5.16	-5.36	-5.25	-4.79	-5.04	-4.91
23	-4.86	-6.67	-5.94	-5.20	-5.65	-5.46	-4.96	-5.21	-5.14	-4.58	-4.74	-4.70
24	-4.26	-6.52	-5.60	-4.90	-5.35	-5.15	-4.71	-4.96	-4.87	-4.33	-4.58	-4.48
25	-4.91	-6.37	-5.78	-4.80	-5.10	-4.94	-4.51	-4.66	-4.62	-4.18	-4.33	-4.25
26	-5.06	-5.37	-5.19	-4.65	-4.85	-4.77	-4.36	-4.51	-4.46	-4.03	-4.13	-4.11
27	-5.06	-5.06	-5.06	-4.55	-4.65	-4.59	-4.26	-4.36	-4.32	-3.93	-4.03	-3.97
28	-4.96	-5.11	-5.07	-4.50	-4.55	-4.52	-4.20	-4.26	-4.24	-3.88	-3.93	-3.91
Month	-4.26	-24.64	-11.56	-4.50	-19.03	-9.65	-4.20	-16.30	-8.64	-3.88	-13.87	-7.60

Date	Ice Temperature (degrees C) Height: -40.0cm			Ice Temperature (degrees C) Height: -42.5cm			Ice Temperature (degrees C) Height: -45.0cm			Ice Temperature (degrees C) Depth: -47.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.80	-3.90	-3.85	-3.65	-3.75	-3.69	-3.54	-3.64	-3.60	-3.43	-3.48	-3.46
2	-4.00	-5.26	-4.65	-3.80	-4.96	-4.35	-3.64	-4.65	-4.13	-3.48	-4.34	-3.88
3	-5.36	-6.42	-6.05	-5.01	-6.02	-5.64	-4.75	-5.76	-5.36	-4.44	-5.40	-4.99
4	-6.22	-6.37	-6.30	-5.92	-6.02	-5.99	-5.66	-5.76	-5.74	-5.40	-5.45	-5.44
5	-6.22	-6.67	-6.50	-5.92	-6.37	-6.17	-5.66	-6.11	-5.92	-5.40	-5.75	-5.58
6	-6.72	-7.27	-7.05	-6.37	-6.87	-6.66	-6.16	-6.57	-6.40	-5.75	-6.21	-6.04
7	-7.27	-7.83	-7.62	-6.87	-7.43	-7.21	-6.57	-7.12	-6.88	-6.21	-6.71	-6.50
8	-7.83	-8.88	-8.49	-7.43	-8.38	-8.02	-7.12	-8.03	-7.67	-6.71	-7.57	-7.21
9	-8.73	-9.74	-9.35	-8.28	-9.24	-8.85	-7.93	-8.83	-8.48	-7.47	-8.28	-7.98
10	-9.44	-10.39	-9.94	-8.93	-9.84	-9.46	-8.63	-9.49	-9.11	-8.13	-8.94	-8.60
11	-9.84	-11.00	-10.52	-9.44	-10.44	-10.01	-9.08	-9.99	-9.63	-8.63	-9.54	-9.15
12	-10.54	-11.45	-10.99	-10.04	-10.90	-10.58	-9.69	-10.49	-10.10	-9.24	-9.94	-9.63
13	-10.80	-11.70	-11.26	-10.29	-11.15	-10.76	-9.99	-10.80	-10.41	-9.59	-10.25	-9.93
14	-9.14	-10.69	-9.86	-8.88	-10.29	-9.55	-8.68	-10.04	-9.37	-8.43	-9.69	-9.06
15	-8.13	-9.03	-8.61	-7.88	-8.78	-8.35	-7.77	-8.58	-8.19	-7.57	-8.33	-7.95
16	-7.12	-8.03	-7.58	-6.92	-7.78	-7.37	-6.82	-7.72	-7.27	-6.66	-7.47	-7.07
17	-6.62	-7.07	-6.78	-6.42	-6.87	-6.60	-6.31	-6.77	-6.51	-6.16	-6.56	-6.35
18	-6.07	-6.57	-6.32	-5.87	-6.37	-6.13	-5.81	-6.26	-6.06	-5.65	-6.11	-5.89
19	-5.41	-6.02	-5.69	-5.26	-5.82	-5.52	-5.26	-5.76	-5.49	-5.10	-5.60	-5.35
20	-5.01	-5.36	-5.17	-4.86	-5.21	-5.04	-4.80	-5.20	-4.99	-4.64	-5.10	-4.87
21	-4.71	-4.96	-4.83	-4.51	-4.81	-4.68	-4.50	-4.75	-4.62	-4.34	-4.64	-4.51
22	-4.41	-4.66	-4.51	-4.26	-4.51	-4.37	-4.20	-4.45	-4.34	-4.14	-4.34	-4.23
23	-4.21	-4.36	-4.31	-4.11	-4.21	-4.18	-4.05	-4.20	-4.14	-3.94	-4.09	-4.03
24	-4.06	-4.21	-4.13	-3.90	-4.06	-4.00	-3.89	-4.05	-3.96	-3.79	-3.94	-3.86
25	-3.85	-4.00	-3.93	-3.75	-3.90	-3.82	-3.69	-3.84	-3.79	-3.63	-3.79	-3.69
26	-3.70	-3.85	-3.79	-3.60	-3.70	-3.68	-3.59	-3.69	-3.64	-3.48	-3.63	-3.55
27	-3.60	-3.70	-3.68	-3.50	-3.60	-3.56	-3.49	-3.59	-3.54	-3.38	-3.48	-3.46
28	-3.55	-3.60	-3.60	-3.50	-3.50	-3.50	-3.44	-3.49	-3.48	-3.38	-3.43	-3.39
Month	-3.55	-11.70	-6.62	-3.50	-11.15	-6.35	-3.44	-10.80	-6.17	-3.38	-10.25	-5.92

Chaivo Bay
February 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Ice Temperature (degrees C) Height: -50.0cm			Water Temperature (degrees C) Height: -52.5cm			Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -57.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.27	-3.27	-3.27	-3.13	-3.18	-3.17	-3.02	-3.07	-3.06	-2.86	-2.86	-2.86
2	-3.32	-4.03	-3.62	-3.18	-3.79	-3.43	-3.07	-3.52	-3.25	-2.86	-3.26	-3.04
3	-4.13	-5.03	-4.61	-3.84	-4.69	-4.30	-3.57	-4.33	-3.99	-3.31	-4.02	-3.68
4	-5.03	-5.13	-5.08	-4.74	-4.85	-4.80	-4.38	-4.48	-4.46	-4.07	-4.22	-4.16
5	-5.03	-5.38	-5.23	-4.80	-5.10	-4.95	-4.48	-4.78	-4.61	-4.17	-4.42	-4.29
6	-5.38	-5.79	-5.62	-5.10	-5.50	-5.33	-4.78	-5.13	-4.99	-4.42	-4.77	-4.61
7	-5.84	-6.29	-6.09	-5.50	-5.95	-5.75	-5.19	-5.54	-5.38	-4.77	-5.18	-5.00
8	-6.29	-7.05	-6.73	-5.95	-6.61	-6.35	-5.54	-6.19	-5.92	-5.18	-5.78	-5.51
9	-6.99	-7.75	-7.46	-6.61	-7.36	-7.04	-6.19	-6.85	-6.57	-5.78	-6.44	-6.13
10	-7.65	-8.35	-8.05	-7.26	-7.92	-7.64	-6.80	-7.45	-7.16	-6.39	-6.94	-6.70
11	-8.15	-8.96	-8.61	-7.77	-8.47	-8.16	-7.35	-7.95	-7.68	-6.84	-7.49	-7.21
12	-8.76	-9.41	-9.11	-8.32	-8.93	-8.67	-7.85	-8.41	-8.16	-7.44	-7.95	-7.71
13	-9.06	-9.71	-9.42	-8.67	-9.28	-9.01	-8.21	-8.76	-8.52	-7.80	-8.25	-8.05
14	-8.10	-9.31	-8.70	-7.87	-8.98	-8.40	-7.60	-8.56	-8.06	-7.24	-8.10	-7.69
15	-7.30	-8.00	-7.65	-7.06	-7.77	-7.43	-6.80	-7.50	-7.15	-6.54	-7.19	-6.84
16	-6.44	-7.20	-6.81	-6.31	-7.01	-6.64	-6.09	-6.75	-6.42	-5.83	-6.49	-6.18
17	-5.94	-6.39	-6.14	-5.75	-6.21	-5.97	-5.59	-6.04	-5.77	-5.33	-5.78	-5.55
18	-5.43	-5.89	-5.67	-5.35	-5.70	-5.53	-5.19	-5.54	-5.36	-4.97	-5.33	-5.15
19	-4.93	-5.38	-5.17	-4.85	-5.30	-5.05	-4.68	-5.13	-4.90	-4.47	-4.92	-4.68
20	-4.48	-4.88	-4.69	-4.39	-4.80	-4.58	-4.28	-4.63	-4.44	-4.12	-4.42	-4.26
21	-4.23	-4.48	-4.35	-4.14	-4.39	-4.24	-3.98	-4.28	-4.12	-3.81	-4.07	-3.95
22	-3.98	-4.18	-4.08	-3.89	-4.09	-3.98	-3.78	-3.98	-3.86	-3.61	-3.81	-3.70
23	-3.82	-3.93	-3.88	-3.74	-3.84	-3.79	-3.57	-3.78	-3.67	-3.46	-3.61	-3.52
24	-3.62	-3.77	-3.72	-3.54	-3.69	-3.62	-3.42	-3.57	-3.52	-3.31	-3.41	-3.36
25	-3.47	-3.62	-3.56	-3.43	-3.54	-3.48	-3.32	-3.42	-3.38	-3.16	-3.31	-3.23
26	-3.37	-3.47	-3.43	-3.28	-3.43	-3.36	-3.22	-3.32	-3.27	-3.06	-3.16	-3.14
27	-3.27	-3.37	-3.33	-3.23	-3.28	-3.25	-3.12	-3.22	-3.18	-3.01	-3.06	-3.04
28	-3.22	-3.27	-3.27	-3.18	-3.23	-3.21	-3.12	-3.17	-3.13	-2.96	-3.01	-2.99
Month	-3.22	-9.71	-5.62	-3.13	-9.28	-5.40	-3.02	-8.76	-5.14	-2.86	-8.25	-4.86

Date	Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Height: -70.0cm			Water Temperature (degrees C) Depth: -80.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.71	-2.76	-2.71	-2.40	-2.45	-2.44	-1.64	-1.69	-1.68	-1.58	-1.69	-1.63
2	-2.71	-3.01	-2.86	-2.45	-2.60	-2.52	-1.69	-1.84	-1.78	-1.53	-1.84	-1.72
3	-3.11	-3.72	-3.41	-2.65	-3.10	-2.85	-1.79	-2.14	-1.97	-1.43	-1.53	-1.49
4	-3.77	-3.92	-3.86	-3.10	-3.30	-3.22	-2.19	-2.39	-2.31	-1.53	-1.58	-1.56
5	-3.87	-4.12	-3.99	-3.30	-3.45	-3.37	-2.39	-2.49	-2.45	-1.58	-1.69	-1.64
6	-4.12	-4.42	-4.28	-3.45	-3.70	-3.59	-2.54	-2.74	-2.63	-1.69	-1.79	-1.74
7	-4.42	-4.77	-4.62	-3.70	-4.01	-3.88	-2.74	-3.00	-2.89	-1.79	-1.94	-1.87
8	-4.77	-5.38	-5.09	-4.01	-4.46	-4.24	-3.05	-3.40	-3.22	-1.94	-2.19	-2.08
9	-5.38	-5.93	-5.68	-4.51	-5.06	-4.78	-3.45	-3.90	-3.67	-2.24	-2.59	-2.39
10	-5.93	-6.49	-6.25	-5.06	-5.51	-5.30	-3.95	-4.35	-4.16	-2.59	-3.05	-2.79
11	-6.44	-6.99	-6.73	-5.51	-6.02	-5.78	-4.41	-4.86	-4.61	-3.05	-3.40	-3.20
12	-6.94	-7.44	-7.22	-6.02	-6.42	-6.25	-4.86	-5.31	-5.08	-3.45	-3.85	-3.61
13	-7.34	-7.80	-7.59	-6.42	-6.77	-6.60	-5.31	-5.66	-5.46	-3.85	-4.30	-3.98
14	-6.89	-7.75	-7.33	-6.27	-6.77	-6.54	-5.31	-5.66	-5.48	-4.15	-4.30	-4.22
15	-6.29	-6.84	-6.56	-5.67	-6.22	-5.95	-4.76	-5.26	-4.99	-3.90	-4.20	-4.01
16	-5.63	-6.23	-5.93	-5.11	-5.62	-5.38	-4.30	-4.76	-4.50	-3.65	-3.90	-3.73
17	-5.13	-5.58	-5.35	-4.66	-5.11	-4.89	-3.90	-4.25	-4.07	-3.30	-3.65	-3.43
18	-4.72	-5.13	-4.95	-4.31	-4.66	-4.50	-3.55	-3.85	-3.73	-3.00	-3.30	-3.14
19	-4.32	-4.72	-4.50	-3.96	-4.31	-4.12	-3.25	-3.55	-3.38	-2.74	-2.94	-2.86
20	-3.97	-4.27	-4.11	-3.60	-3.90	-3.77	-2.94	-3.20	-3.07	-2.54	-2.74	-2.63
21	-3.67	-3.92	-3.81	-3.40	-3.60	-3.49	-2.69	-2.89	-2.81	-2.34	-2.49	-2.42
22	-3.47	-3.67	-3.57	-3.20	-3.35	-3.27	-2.54	-2.69	-2.62	-2.24	-2.34	-2.27
23	-3.31	-3.47	-3.38	-3.05	-3.20	-3.10	-2.39	-2.54	-2.47	-2.14	-2.24	-2.17
24	-3.16	-3.31	-3.23	-2.90	-3.00	-2.96	-2.29	-2.39	-2.36	-2.09	-2.14	-2.10
25	-3.06	-3.16	-3.12	-2.85	-2.90	-2.87	-2.24	-2.29	-2.28	-2.09	-2.14	-2.09
26	-2.96	-3.06	-3.01	-2.75	-2.85	-2.80	-2.19	-2.24	-2.24	-2.14	-2.14	-2.14
27	-2.91	-2.96	-2.96	-2.75	-2.75	-2.75	-2.19	-2.24	-2.22	-2.09	-2.14	-2.13
28	-2.91	-2.91	-2.91	-2.70	-2.75	-2.72	-2.19	-2.24	-2.21	-2.14	-2.14	-2.14
Month	-2.71	-7.80	-4.61	-2.40	-6.77	-4.07	-1.64	-5.66	-3.23	-1.43	-4.30	-2.54

Chaivo Bay
March 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Air/Ice Temperature (degrees C) Height: 0.0cm			Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Ice Temperature (degrees C) Height: -30.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-4.91	-4.96	-4.96	-4.45	-4.50	-4.45	-4.15	-4.20	-4.16	-3.83	-3.88	-3.84
2	-4.81	-4.91	-4.86	-4.30	-4.45	-4.39	-4.05	-4.15	-4.13	-3.73	-3.78	-3.78
3	-4.81	-4.86	-4.83	-4.25	-4.35	-4.30	-4.00	-4.05	-4.05	-3.68	-3.78	-3.73
4	-4.81	-5.01	-4.94	-4.25	-4.30	-4.28	-3.95	-4.00	-4.00	-3.63	-3.68	-3.66
5	-4.91	-5.01	-4.97	-4.25	-4.30	-4.28	-3.95	-4.00	-3.97	-3.58	-3.63	-3.61
6	-4.86	-5.01	-4.94	-4.25	-4.30	-4.27	-3.95	-4.00	-3.97	-3.58	-3.58	-3.58
7	-4.91	-5.01	-4.98	-4.25	-4.30	-4.28	-3.90	-3.95	-3.94	-3.53	-3.58	-3.56
8	-4.56	-4.91	-4.78	-4.20	-4.25	-4.24	-3.90	-3.95	-3.92	-3.53	-3.53	-3.53
9	-4.16	-4.51	-4.32	-3.99	-4.20	-4.10	-3.80	-3.90	-3.85	-3.48	-3.53	-3.50
10	-4.01	-4.16	-4.11	-3.84	-3.99	-3.92	-3.65	-3.80	-3.72	-3.38	-3.43	-3.42
11	-3.81	-4.01	-3.90	-3.69	-3.84	-3.76	-3.50	-3.65	-3.59	-3.23	-3.38	-3.31
12	-3.65	-3.76	-3.73	-3.54	-3.69	-3.62	-3.40	-3.50	-3.46	-3.18	-3.23	-3.21
13	-3.55	-3.65	-3.62	-3.44	-3.54	-3.50	-3.30	-3.40	-3.36	-3.08	-3.13	-3.11
14	-2.35	-5.26	-3.59	-3.24	-3.44	-3.37	-3.15	-3.30	-3.25	-2.98	-3.08	-3.03
15	-3.00	-7.88	-5.09	-3.39	-3.74	-3.50	-3.15	-3.20	-3.19	-2.88	-2.93	-2.91
16	-5.97	-8.64	-7.20	-3.84	-4.65	-4.41	-3.20	-3.80	-3.54	-2.88	-3.18	-2.99
17	-4.66	-5.77	-5.05	-4.20	-4.50	-4.35	-3.80	-3.85	-3.84	-3.23	-3.33	-3.30
18	-4.91	-5.06	-5.02	-4.15	-4.20	-4.17	-3.75	-3.80	-3.78	-3.28	-3.33	-3.32
19	-4.66	-4.96	-4.82	-4.10	-4.15	-4.13	-3.70	-3.75	-3.75	-3.28	-3.33	-3.32
20	-4.61	-4.96	-4.81	-4.04	-4.10	-4.07	-3.65	-3.70	-3.69	-3.23	-3.28	-3.27
21	-4.51	-4.81	-4.63	-3.99	-4.10	-4.05	-3.65	-3.70	-3.69	-3.23	-3.28	-3.27
22	-4.51	-4.76	-4.65	-3.94	-3.99	-3.97	-3.60	-3.65	-3.64	-3.23	-3.23	-3.23
23	-4.76	-5.16	-5.02	-3.94	-4.10	-4.02	-3.55	-3.65	-3.63	-3.18	-3.23	-3.20
24	-5.06	-5.26	-5.17	-4.10	-4.20	-4.15	-3.65	-3.70	-3.68	-3.18	-3.28	-3.22
25	-5.06	-16.03	-7.39	-4.20	-6.81	-4.54	-3.70	-4.10	-3.77	-3.23	-3.33	-3.27
26	-0.53	-19.86	-13.06	-5.65	-12.14	-8.80	-4.81	-8.27	-6.47	-3.38	-5.59	-4.72
27	0.47	-16.34	-10.84	-5.55	-11.34	-8.44	-5.51	-8.37	-6.83	-4.89	-6.19	-5.49
28	4.95	-16.23	-8.98	-4.55	-11.59	-7.76	-4.86	-8.67	-6.63	-4.68	-6.44	-5.57
29	4.25	-11.45	-4.89	-3.54	-6.96	-5.12	-3.75	-5.66	-4.77	-3.83	-4.79	-4.43
30	-2.45	-3.96	-3.24	-3.39	-3.64	-3.52	-3.45	-3.70	-3.57	-3.38	-3.78	-3.53
31	-3.20	-3.25	-3.24	-3.29	-3.39	-3.35	-3.30	-3.45	-3.36	-3.18	-3.33	-3.25
Month	4.95	-19.86	-5.34	-3.24	-12.14	-4.49	-3.15	-8.67	-4.04	-2.88	-6.44	-3.59

Date	Ice Temperature (degrees C) Height: -40.0cm			Ice Temperature (degrees C) Height: -42.5cm			Ice Temperature (degrees C) Height: -45.0cm			Ice Temperature (degrees C) Depth: -47.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.50	-3.55	-3.54	-3.45	-3.50	-3.46	-3.39	-3.44	-3.42	-3.33	-3.38	-3.34
2	-3.45	-3.50	-3.50	-3.35	-3.40	-3.39	-3.29	-3.39	-3.38	-3.23	-3.33	-3.28
3	-3.40	-3.45	-3.44	-3.30	-3.35	-3.35	-3.29	-3.34	-3.30	-3.18	-3.28	-3.24
4	-3.35	-3.40	-3.37	-3.25	-3.30	-3.28	-3.24	-3.29	-3.25	-3.13	-3.18	-3.16
5	-3.30	-3.35	-3.33	-2.95	-3.25	-3.16	-3.14	-3.19	-3.18	-3.08	-3.13	-3.12
6	-3.25	-3.30	-3.27	-3.15	-3.20	-3.17	-3.09	-3.14	-3.14	-3.03	-3.08	-3.05
7	-3.20	-3.25	-3.23	-3.00	-3.15	-3.12	-3.09	-3.14	-3.11	-2.98	-3.03	-3.01
8	-3.20	-3.20	-3.20	-3.00	-3.10	-3.05	-3.04	-3.09	-3.07	-2.93	-2.98	-2.97
9	-3.15	-3.20	-3.17	-3.00	-3.05	-3.00	-3.04	-3.04	-3.04	-2.93	-2.98	-2.93
10	-3.10	-3.15	-3.14	-2.80	-3.00	-2.96	-2.99	-3.04	-3.00	-2.93	-2.93	-2.93
11	-3.00	-3.10	-3.04	-2.65	-2.80	-2.71	-2.89	-2.99	-2.93	-2.83	-2.93	-2.84
12	-2.95	-3.00	-2.99	-2.65	-2.75	-2.68	-2.84	-2.89	-2.87	-2.78	-2.83	-2.78
13	-2.85	-2.95	-2.89	-2.55	-2.65	-2.59	-2.79	-2.84	-2.79	-2.68	-2.78	-2.73
14	-2.80	-2.85	-2.81	-2.55	-2.70	-2.59	-2.69	-2.74	-2.72	-2.63	-2.68	-2.65
15	-2.65	-2.75	-2.72	-2.34	-2.60	-2.53	-2.58	-2.69	-2.62	-2.52	-2.57	-2.56
16	-2.65	-2.75	-2.68	-2.55	-2.60	-2.58	-2.53	-2.58	-2.56	-2.47	-2.52	-2.50
17	-2.80	-2.90	-2.85	-2.60	-2.80	-2.70	-2.58	-2.74	-2.69	-2.52	-2.63	-2.59
18	-2.90	-2.95	-2.93	-2.75	-2.85	-2.81	-2.74	-2.79	-2.77	-2.63	-2.68	-2.65
19	-2.95	-3.00	-2.95	-2.80	-2.85	-2.82	-2.79	-2.79	-2.79	-2.68	-2.73	-2.70
20	-2.90	-2.95	-2.93	-2.80	-2.85	-2.82	-2.74	-2.79	-2.77	-2.63	-2.73	-2.68
21	-2.90	-2.95	-2.94	-2.80	-2.80	-2.80	-2.74	-2.79	-2.78	-2.63	-2.68	-2.67
22	-2.85	-2.90	-2.89	-2.75	-2.80	-2.79	-2.74	-2.79	-2.76	-2.63	-2.68	-2.65
23	-2.85	-2.90	-2.87	-2.75	-2.80	-2.77	-2.69	-2.74	-2.72	-2.57	-2.63	-2.60
24	-2.80	-2.90	-2.87	-2.70	-2.80	-2.77	-2.69	-2.74	-2.72	-2.57	-2.63	-2.60
25	-2.85	-2.95	-2.89	-2.75	-2.80	-2.78	-2.69	-2.79	-2.74	-2.57	-2.68	-2.63
26	-2.90	-4.00	-3.54	-2.80	-3.70	-3.30	-2.74	-3.54	-3.14	-2.63	-3.28	-2.94
27	-3.90	-4.66	-4.33	-3.65	-4.31	-4.06	-3.54	-4.10	-3.87	-3.28	-3.84	-3.62
28	-4.26	-4.96	-4.61	-4.06	-4.66	-4.35	-3.95	-4.40	-4.20	-3.74	-4.14	-3.96
29	-3.75	-4.26	-4.06	-3.50	-4.11	-3.89	-3.64	-4.05	-3.87	-3.53	-3.94	-3.75
30	-3.25	-3.65	-3.43	-2.95	-3.40	-3.17	-3.19	-3.59	-3.36	-3.13	-3.48	-3.29
31	-3.05	-3.25	-3.13	-2.80	-3.05	-2.89	-2.94	-3.14	-3.06	-2.93	-3.13	-3.01
Month	-2.65	-4.96	-3.21	-2.34	-4.66	-3.04	-2.53	-4.40	-3.05	-2.47	-4.14	-2.95

Chaivo Bay
March 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Ice Temperature (degrees C) Height: -50.0cm			Water Temperature (degrees C) Height: -52.5cm			Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -57.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.22	-3.22	-3.22	-3.13	-3.18	-3.16	-3.07	-3.12	-3.08	-2.96	-2.96	-2.96
2	-3.12	-3.22	-3.20	-3.08	-3.13	-3.12	-3.02	-3.07	-3.06	-2.86	-2.96	-2.94
3	-3.07	-3.17	-3.12	-3.03	-3.08	-3.07	-2.92	-3.02	-2.99	-2.81	-2.91	-2.86
4	-3.02	-3.07	-3.06	-2.98	-3.03	-2.99	-2.87	-2.92	-2.90	-2.76	-2.81	-2.79
5	-2.92	-3.02	-2.99	-2.88	-2.93	-2.92	-2.82	-2.87	-2.86	-2.65	-2.76	-2.72
6	-2.87	-2.97	-2.93	-2.83	-2.88	-2.87	-2.72	-2.82	-2.79	-2.60	-2.65	-2.63
7	-2.87	-2.92	-2.89	-2.83	-2.88	-2.85	-2.72	-2.77	-2.74	-2.60	-2.65	-2.62
8	-2.82	-2.87	-2.86	-2.78	-2.78	-2.78	-2.67	-2.72	-2.71	-2.55	-2.60	-2.56
9	-2.82	-2.87	-2.83	-2.73	-2.78	-2.75	-2.67	-2.72	-2.67	-2.50	-2.55	-2.54
10	-2.77	-2.82	-2.81	-2.73	-2.73	-2.73	-2.62	-2.67	-2.66	-2.50	-2.55	-2.51
11	-2.72	-2.77	-2.73	-2.63	-2.73	-2.67	-2.57	-2.62	-2.58	-2.45	-2.50	-2.46
12	-2.67	-2.72	-2.70	-2.63	-2.63	-2.63	-2.57	-2.57	-2.57	-2.45	-2.45	-2.45
13	-2.62	-2.67	-2.63	-2.53	-2.58	-2.57	-2.52	-2.52	-2.52	-2.40	-2.45	-2.41
14	-2.52	-2.57	-2.55	-2.48	-2.53	-2.51	-2.42	-2.47	-2.45	-2.30	-2.35	-2.33
15	-2.42	-2.52	-2.49	-2.38	-2.48	-2.44	-2.32	-2.42	-2.39	-2.20	-2.30	-2.27
16	-2.37	-2.42	-2.40	-2.33	-2.38	-2.36	-2.27	-2.32	-2.31	-2.15	-2.20	-2.20
17	-2.42	-2.52	-2.48	-2.38	-2.43	-2.40	-2.32	-2.37	-2.35	-2.20	-2.25	-2.23
18	-2.52	-2.57	-2.54	-2.43	-2.48	-2.46	-2.32	-2.42	-2.37	-2.20	-2.25	-2.23
19	-2.52	-2.57	-2.55	-2.48	-2.53	-2.50	-2.37	-2.42	-2.40	-2.25	-2.30	-2.26
20	-2.52	-2.57	-2.55	-2.43	-2.53	-2.49	-2.37	-2.42	-2.40	-2.25	-2.30	-2.26
21	-2.52	-2.57	-2.56	-2.48	-2.53	-2.50	-2.37	-2.42	-2.41	-2.25	-2.25	-2.25
22	-2.52	-2.57	-2.53	-2.43	-2.48	-2.45	-2.37	-2.42	-2.39	-2.20	-2.25	-2.25
23	-2.47	-2.52	-2.50	-2.38	-2.48	-2.44	-2.32	-2.37	-2.36	-2.20	-2.25	-2.23
24	-2.47	-2.52	-2.50	-2.38	-2.48	-2.42	-2.32	-2.37	-2.35	-2.20	-2.25	-2.23
25	-2.47	-2.52	-2.50	-2.38	-2.48	-2.44	-2.32	-2.37	-2.36	-2.20	-2.25	-2.23
26	-2.52	-3.07	-2.74	-2.43	-2.88	-2.61	-2.37	-2.72	-2.50	-2.20	-2.45	-2.32
27	-3.07	-3.57	-3.35	-2.88	-3.38	-3.16	-2.77	-3.17	-2.97	-2.55	-2.91	-2.76
28	-3.52	-3.87	-3.71	-3.33	-3.69	-3.52	-3.17	-3.47	-3.32	-2.96	-3.26	-3.09
29	-3.42	-3.77	-3.59	-3.33	-3.59	-3.48	-3.22	-3.47	-3.35	-3.06	-3.31	-3.17
30	-3.07	-3.37	-3.19	-2.98	-3.28	-3.13	-2.92	-3.17	-3.05	-2.81	-3.01	-2.91
31	-2.82	-3.02	-2.92	-2.78	-2.98	-2.88	-2.72	-2.87	-2.81	-2.60	-2.81	-2.70
Month	-2.37	-3.87	-2.83	-2.33	-3.69	-2.75	-2.27	-3.47	-2.67	-2.15	-3.31	-2.53

Date	Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Height: -70.0cm			Water Temperature (degrees C) Depth: -80.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.86	-2.91	-2.87	-2.65	-2.70	-2.69	-2.14	-2.19	-2.19	-2.09	-2.14	-2.10
2	-2.76	-2.86	-2.82	-2.60	-2.65	-2.64	-2.09	-2.19	-2.14	-1.94	-2.09	-2.06
3	-2.71	-2.81	-2.77	-2.55	-2.60	-2.57	-2.04	-2.09	-2.08	-1.89	-1.99	-1.93
4	-2.66	-2.71	-2.68	-2.45	-2.50	-2.49	-1.99	-2.04	-2.01	-1.84	-1.89	-1.85
5	-2.56	-2.61	-2.60	-2.40	-2.45	-2.42	-1.89	-1.99	-1.94	-1.74	-1.79	-1.77
6	-2.51	-2.56	-2.55	-2.30	-2.40	-2.36	-1.84	-1.89	-1.88	-1.64	-1.74	-1.72
7	-2.46	-2.56	-2.51	-2.30	-2.35	-2.32	-1.84	-1.89	-1.86	-1.64	-1.69	-1.66
8	-2.46	-2.46	-2.46	-2.24	-2.30	-2.25	-1.79	-1.84	-1.83	-1.58	-1.64	-1.61
9	-2.41	-2.46	-2.45	-2.19	-2.24	-2.22	-1.79	-1.79	-1.79	-1.58	-1.58	-1.58
10	-2.41	-2.46	-2.42	-2.19	-2.24	-2.22	-1.79	-1.89	-1.83	-1.58	-1.74	-1.67
11	-2.36	-2.41	-2.36	-2.19	-2.19	-2.19	-1.74	-1.84	-1.79	-1.58	-1.69	-1.61
12	-2.36	-2.36	-2.36	-2.14	-2.19	-2.19	-1.79	-1.79	-1.79	-1.58	-1.58	-1.58
13	-2.31	-2.36	-2.32	-2.14	-2.19	-2.17	-1.79	-1.79	-1.79	-1.58	-1.64	-1.63
14	-2.21	-2.31	-2.26	-2.04	-2.14	-2.10	-1.74	-1.79	-1.74	-1.58	-1.64	-1.60
15	-2.16	-2.21	-2.19	-1.99	-2.04	-2.04	-1.69	-1.74	-1.72	-1.53	-1.58	-1.55
16	-2.11	-2.16	-2.13	-1.94	-1.99	-1.99	-1.64	-1.69	-1.66	-1.48	-1.48	-1.48
17	-2.11	-2.16	-2.14	-1.94	-1.99	-1.99	-1.64	-1.69	-1.66	-1.43	-1.48	-1.48
18	-2.11	-2.16	-2.14	-1.94	-1.99	-1.97	-1.58	-1.64	-1.62	-1.38	-1.43	-1.43
19	-2.16	-2.21	-2.19	-1.94	-1.99	-1.99	-1.64	-1.69	-1.65	-1.38	-1.43	-1.43
20	-2.11	-2.21	-2.17	-1.94	-1.99	-1.97	-1.58	-1.69	-1.63	-1.38	-1.43	-1.41
21	-2.16	-2.21	-2.19	-1.94	-1.99	-1.99	-1.64	-1.64	-1.64	-1.38	-1.43	-1.43
22	-2.11	-2.16	-2.14	-1.94	-1.99	-1.97	-1.58	-1.64	-1.61	-1.38	-1.43	-1.40
23	-2.11	-2.16	-2.13	-1.89	-1.99	-1.93	-1.58	-1.64	-1.61	-1.38	-1.43	-1.40
24	-2.11	-2.16	-2.13	-1.89	-1.99	-1.94	-1.58	-1.64	-1.61	-1.38	-1.43	-1.41
25	-2.11	-2.16	-2.13	-1.89	-1.99	-1.96	-1.58	-1.69	-1.63	-1.38	-1.48	-1.45
26	-2.11	-2.31	-2.20	-1.94	-2.04	-2.01	-1.58	-1.69	-1.66	-1.43	-1.53	-1.48
27	-2.36	-2.71	-2.55	-2.04	-2.35	-2.22	-1.69	-1.89	-1.82	-1.48	-1.58	-1.55
28	-2.76	-3.01	-2.89	-2.40	-2.65	-2.52	-1.89	-2.14	-2.04	-1.53	-1.74	-1.66
29	-2.91	-3.11	-3.01	-2.65	-2.75	-2.71	-2.19	-2.29	-2.24	-1.74	-1.89	-1.81
30	-2.71	-2.91	-2.81	-2.50	-2.65	-2.57	-2.14	-2.24	-2.18	-1.79	-1.84	-1.82
31	-2.51	-2.66	-2.60	-2.35	-2.50	-2.42	-1.99	-2.09	-2.06	-1.74	-1.79	-1.76
Month	-2.11	-3.11	-2.43	-1.89	-2.75	-2.23	-1.58	-2.29	-1.83	-1.38	-2.14	-1.62

Chaivo Bay
April 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Air/Ice Temperature (degrees C) Height: 0.0cm			Ice Temperature (degrees C) Height: -10.0cm			Ice Temperature (degrees C) Height: -20.0cm			Ice Temperature (degrees C) Height: -30.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-3.15	-3.20	-3.17	-3.19	-3.29	-3.25	-3.20	-3.30	-3.24	-3.03	-3.13	-3.09
2	-3.10	-3.15	-3.15	-3.19	-3.19	-3.19	-3.10	-3.20	-3.14	-2.93	-3.03	-2.99
3	-3.15	-3.20	-3.18	-3.14	-3.14	-3.14	-3.05	-3.10	-3.07	-2.88	-2.93	-2.88
4	-3.20	-3.20	-3.20	-3.09	-3.14	-3.11	-3.00	-3.05	-3.00	-2.78	-2.83	-2.82
5	-3.20	-3.20	-3.20	-3.09	-3.09	-3.09	-2.95	-3.00	-2.95	-2.73	-2.78	-2.77
6	-3.15	-3.20	-3.18	-3.04	-3.09	-3.08	-2.95	-2.95	-2.95	-2.73	-2.73	-2.73
7	-3.10	-3.15	-3.12	-3.04	-3.04	-3.04	-2.90	-2.95	-2.92	-2.68	-2.73	-2.69
8	-3.05	-3.10	-3.07	-2.99	-3.04	-3.02	-2.85	-2.90	-2.88	-2.63	-2.68	-2.66
9	-3.00	-3.05	-3.01	-2.94	-2.99	-2.96	-2.80	-2.85	-2.83	-2.58	-2.63	-2.61
10	-2.95	-2.95	-2.95	-2.89	-2.94	-2.89	-2.75	-2.80	-2.78	-2.53	-2.58	-2.56
11	-2.90	-2.95	-2.92	-2.89	-2.89	-2.89	-2.75	-2.75	-2.75	-2.53	-2.53	-2.53
12	-2.40	-2.95	-2.74	-2.69	-2.89	-2.85	-2.70	-2.75	-2.75	-2.53	-2.53	-2.53
13	-2.14	-2.35	-2.26	-2.44	-2.69	-2.55	-2.55	-2.70	-2.62	-2.43	-2.48	-2.46
14	-2.04	-2.14	-2.09	-2.29	-2.44	-2.34	-2.40	-2.50	-2.44	-2.32	-2.43	-2.37
15	-2.04	-2.04	-2.04	-2.13	-2.23	-2.19	-2.25	-2.40	-2.31	-2.22	-2.32	-2.26
16	-1.94	-1.99	-1.99	-2.08	-2.13	-2.12	-2.20	-2.25	-2.23	-2.12	-2.17	-2.17
17	-1.89	-1.94	-1.93	-1.98	-2.08	-2.04	-2.10	-2.15	-2.13	-2.07	-2.12	-2.08
18	-1.84	-1.89	-1.85	-1.93	-1.98	-1.98	-2.05	-2.10	-2.06	-2.02	-2.02	-2.02
19	-1.64	-1.84	-1.76	-1.83	-1.93	-1.89	-1.95	-2.05	-2.00	-1.92	-2.02	-1.96
20	-1.34	-1.59	-1.48	-1.73	-1.78	-1.77	-1.90	-1.95	-1.91	-1.87	-1.92	-1.89
21	-1.24	-1.34	-1.32	-1.58	-1.73	-1.66	-1.70	-1.90	-1.83	-1.77	-1.82	-1.82
22	-1.19	-1.24	-1.21	-1.43	-1.53	-1.47	-1.55	-1.70	-1.64	-1.62	-1.72	-1.68
23	-1.14	-1.14	-1.14	-1.38	-1.43	-1.38	-1.49	-1.55	-1.54	-1.57	-1.62	-1.58
24	-1.14	-1.14	-1.14	-1.28	-1.33	-1.30	-1.39	-1.49	-1.44	-1.42	-1.52	-1.48
25	-1.14	-1.14	-1.14	-1.23	-1.28	-1.24	-1.34	-1.39	-1.35	-1.37	-1.42	-1.40
26	-1.09	-1.14	-1.13	-1.18	-1.23	-1.20	-1.29	-1.34	-1.30	-1.32	-1.32	-1.32
27	-1.09	-1.09	-1.09	-1.18	-1.18	-1.18	-1.24	-1.29	-1.25	-1.22	-1.27	-1.26
28	-1.04	-1.09	-1.08	-1.13	-1.13	-1.13	-1.19	-1.19	-1.19	-1.17	-1.22	-1.20
29	-0.99	-1.04	-1.02	-1.08	-1.13	-1.11	-1.14	-1.19	-1.19	-1.12	-1.17	-1.15
30												
Month	-0.99	-3.20	-2.16	-1.08	-3.29	-2.24	-1.14	-3.30	-2.27	-1.12	-3.13	-2.17

Date	Ice Temperature (degrees C) Height: -40.0cm			Ice Temperature (degrees C) Height: -42.5cm			Ice Temperature (degrees C) Height: -45.0cm			Ice Temperature (degrees C) Depth: -47.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.90	-3.00	-2.96	-2.70	-2.85	-2.80	-2.84	-2.94	-2.89	-2.78	-2.93	-2.84
2	-2.80	-2.90	-2.83	-2.65	-2.80	-2.72	-2.69	-2.79	-2.77	-2.68	-2.78	-2.73
3	-2.70	-2.80	-2.74	-2.65	-2.70	-2.66	-2.64	-2.69	-2.66	-2.57	-2.63	-2.60
4	-2.65	-2.70	-2.65	-2.50	-2.60	-2.58	-2.53	-2.58	-2.58	-2.52	-2.57	-2.53
5	-2.60	-2.65	-2.60	-2.40	-2.55	-2.50	-2.48	-2.53	-2.53	-2.42	-2.47	-2.47
6	-2.55	-2.60	-2.55	-2.29	-2.45	-2.37	-2.43	-2.48	-2.47	-2.42	-2.42	-2.42
7	-2.50	-2.50	-2.50	-2.24	-2.29	-2.27	-2.43	-2.43	-2.43	-2.37	-2.42	-2.38
8	-2.45	-2.45	-2.45	-2.04	-2.40	-2.24	-2.38	-2.38	-2.38	-2.32	-2.37	-2.33
9	-2.40	-2.45	-2.43	-2.29	-2.34	-2.34	-2.33	-2.38	-2.34	-2.27	-2.32	-2.28
10	-2.34	-2.40	-2.39	-2.24	-2.29	-2.29	-2.28	-2.33	-2.29	-2.22	-2.27	-2.23
11	-2.34	-2.34	-2.35	-2.24	-2.29	-2.28	-2.23	-2.28	-2.27	-2.22	-2.22	-2.22
12	-2.29	-2.34	-2.31	-2.24	-2.29	-2.26	-2.23	-2.23	-2.23	-2.17	-2.22	-2.22
13	-2.29	-2.29	-2.29	-2.14	-2.19	-2.17	-2.23	-2.23	-2.23	-2.17	-2.22	-2.19
14	-2.24	-2.29	-2.27	-2.04	-2.09	-2.08	-2.18	-2.23	-2.22	-2.12	-2.17	-2.17
15	-2.14	-2.24	-2.19	-2.04	-2.09	-2.06	-2.13	-2.18	-2.14	-2.07	-2.12	-2.11
16	-2.09	-2.14	-2.10	-1.94	-2.09	-2.02	-2.08	-2.08	-2.08	-2.02	-2.07	-2.07
17	-1.99	-2.09	-2.04	-1.84	-1.99	-1.93	-1.98	-2.03	-2.02	-1.97	-2.02	-2.01
18	-1.94	-1.99	-1.98	-1.79	-1.89	-1.85	-1.93	-1.98	-1.97	-1.92	-1.97	-1.95
19	-1.89	-1.94	-1.93	-1.74	-1.89	-1.80	-1.88	-1.93	-1.89	-1.87	-1.92	-1.88
20	-1.84	-1.89	-1.85	-1.69	-1.79	-1.75	-1.83	-1.88	-1.84	-1.77	-1.82	-1.81
21	-1.79	-1.84	-1.80	-1.69	-1.79	-1.74	-1.78	-1.78	-1.78	-1.77	-1.77	-1.77
22	-1.69	-1.79	-1.75	-1.64	-1.74	-1.70	-1.73	-1.78	-1.76	-1.72	-1.77	-1.75
23	-1.64	-1.69	-1.67	-1.59	-1.64	-1.61	-1.68	-1.73	-1.70	-1.67	-1.72	-1.70
24	-1.54	-1.64	-1.59	-1.54	-1.59	-1.58	-1.58	-1.68	-1.62	-1.62	-1.67	-1.64
25	-1.44	-1.54	-1.48	-1.44	-1.49	-1.47	-1.53	-1.58	-1.53	-1.51	-1.57	-1.55
26	-1.39	-1.44	-1.40	-1.34	-1.39	-1.38	-1.43	-1.48	-1.46	-1.46	-1.51	-1.49
27	-1.29	-1.39	-1.34	-1.19	-1.34	-1.28	-1.38	-1.43	-1.38	-1.36	-1.46	-1.41
28	-1.24	-1.29	-1.27	-1.14	-1.24	-1.20	-1.28	-1.38	-1.32	-1.31	-1.36	-1.35
29	-1.19	-1.24	-1.23	-1.09	-1.24	-1.18	-1.22	-1.28	-1.26	-1.26	-1.31	-1.29
30												
Month	-1.19	-3.00	-2.10	-1.09	-2.85	-2.00	-1.22	-2.94	-2.07	-1.26	-2.93	-2.05

Chaivo Bay
April 1995
Snow-Removed Area (Recording Interval 120 min)

Date	Ice Temperature (degrees C) Height: -50.0cm			Water Temperature (degrees C) Height: -52.5cm			Water Temperature (degrees C) Height: -55.0cm			Water Temperature (degrees C) Height: -57.5cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.72	-2.82	-2.75	-2.63	-2.78	-2.71	-2.57	-2.72	-2.66	-2.45	-2.60	-2.54
2	-2.57	-2.67	-2.63	-2.53	-2.63	-2.58	-2.47	-2.57	-2.53	-2.35	-2.45	-2.43
3	-2.52	-2.57	-2.52	-2.43	-2.53	-2.48	-2.42	-2.47	-2.44	-2.30	-2.35	-2.32
4	-2.42	-2.47	-2.45	-2.38	-2.43	-2.41	-2.37	-2.37	-2.37	-2.25	-2.25	-2.25
5	-2.37	-2.42	-2.37	-2.33	-2.38	-2.36	-2.27	-2.32	-2.31	-2.15	-2.20	-2.19
6	-2.31	-2.37	-2.35	-2.28	-2.33	-2.29	-2.21	-2.27	-2.25	-2.10	-2.15	-2.14
7	-2.26	-2.31	-2.29	-2.23	-2.28	-2.24	-2.16	-2.21	-2.19	-2.10	-2.10	-2.10
8	-2.21	-2.26	-2.25	-2.18	-2.23	-2.20	-2.16	-2.16	-2.16	-2.05	-2.10	-2.06
9	-2.16	-2.21	-2.19	-2.12	-2.18	-2.17	-2.11	-2.16	-2.12	-2.00	-2.05	-2.01
10	-2.16	-2.16	-2.16	-2.12	-2.12	-2.13	-2.06	-2.11	-2.07	-1.95	-2.00	-1.97
11	-2.11	-2.16	-2.16	-2.07	-2.12	-2.11	-2.06	-2.06	-2.06	-1.95	-1.95	-1.95
12	-2.11	-2.11	-2.11	-2.07	-2.07	-2.07	-2.01	-2.06	-2.04	-1.95	-1.95	-1.95
13	-2.11	-2.11	-2.11	-2.07	-2.07	-2.07	-2.01	-2.06	-2.03	-1.90	-1.95	-1.94
14	-2.06	-2.11	-2.10	-2.02	-2.07	-2.07	-2.01	-2.01	-2.01	-1.90	-1.95	-1.93
15	-2.01	-2.06	-2.05	-2.02	-2.02	-2.02	-1.96	-2.01	-2.01	-1.90	-1.90	-1.90
16	-1.96	-2.01	-2.01	-1.97	-2.02	-1.98	-1.91	-1.96	-1.95	-1.85	-1.90	-1.86
17	-1.91	-1.96	-1.95	-1.87	-1.92	-1.92	-1.86	-1.91	-1.90	-1.80	-1.80	-1.80
18	-1.86	-1.91	-1.89	-1.82	-1.87	-1.86	-1.81	-1.86	-1.85	-1.75	-1.80	-1.75
19	-1.76	-1.86	-1.82	-1.77	-1.82	-1.79	-1.76	-1.81	-1.78	-1.65	-1.75	-1.69
20	-1.71	-1.76	-1.76	-1.72	-1.77	-1.73	-1.71	-1.76	-1.72	-1.60	-1.65	-1.63
21	-1.71	-1.71	-1.71	-1.72	-1.72	-1.72	-1.66	-1.71	-1.68	-1.60	-1.60	-1.60
22	-1.66	-1.71	-1.71	-1.67	-1.72	-1.70	-1.66	-1.71	-1.68	-1.60	-1.60	-1.60
23	-1.66	-1.66	-1.66	-1.62	-1.67	-1.67	-1.66	-1.66	-1.66	-1.55	-1.60	-1.58
24	-1.56	-1.66	-1.61	-1.57	-1.62	-1.62	-1.61	-1.66	-1.64	-1.55	-1.55	-1.55
25	-1.51	-1.56	-1.54	-1.52	-1.57	-1.56	-1.56	-1.61	-1.59	-1.50	-1.55	-1.53
26	-1.46	-1.51	-1.47	-1.47	-1.52	-1.50	-1.46	-1.56	-1.52	-1.44	-1.50	-1.47
27	-1.36	-1.46	-1.41	-1.42	-1.47	-1.45	-1.46	-1.46	-1.46	-1.39	-1.44	-1.40
28	-1.31	-1.36	-1.34	-1.32	-1.42	-1.37	-1.36	-1.41	-1.40	-1.29	-1.39	-1.35
29	-1.26	-1.31	-1.29	-1.27	-1.32	-1.31	-1.31	-1.36	-1.33	-1.24	-1.29	-1.28
30												
Month	-1.26	-2.82	-1.99	-1.27	-2.78	-1.97	-1.31	-2.72	-1.94	-1.24	-2.60	-1.85

Date	Water Temperature (degrees C) Height: -60.0cm			Water Temperature (degrees C) Height: -65.0cm			Water Temperature (degrees C) Height: -70.0cm			Water Temperature (degrees C) Depth: -80.0cm		
	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
1	-2.41	-2.51	-2.46	-2.24	-2.35	-2.30	-1.89	-1.99	-1.95	-1.64	-1.74	-1.69
2	-2.31	-2.41	-2.35	-2.14	-2.24	-2.19	-1.79	-1.89	-1.87	-1.58	-1.69	-1.62
3	-2.21	-2.26	-2.25	-2.04	-2.14	-2.09	-1.74	-1.79	-1.77	-1.53	-1.53	-1.53
4	-2.16	-2.21	-2.19	-1.99	-2.04	-2.04	-1.69	-1.74	-1.73	-1.48	-1.53	-1.52
5	-2.11	-2.16	-2.11	-1.94	-1.99	-1.98	-1.64	-1.69	-1.68	-1.48	-1.48	-1.48
6	-2.06	-2.11	-2.08	-1.89	-1.94	-1.93	-1.64	-1.64	-1.64	-1.43	-1.48	-1.45
7	-2.00	-2.06	-2.03	-1.84	-1.89	-1.89	-1.58	-1.58	-1.58	-1.38	-1.43	-1.43
8	-1.95	-2.00	-1.99	-1.84	-1.84	-1.84	-1.53	-1.58	-1.56	-1.38	-1.43	-1.39
9	-1.90	-1.95	-1.92	-1.79	-1.84	-1.80	-1.53	-1.53	-1.53	-1.38	-1.38	-1.38
10	-1.90	-1.90	-1.90	-1.79	-1.79	-1.79	-1.48	-1.53	-1.53	-1.38	-1.38	-1.38
11	-1.90	-1.90	-1.90	-1.79	-1.79	-1.79	-1.48	-1.53	-1.52	-1.38	-1.43	-1.43
12	-1.90	-1.90	-1.90	-1.79	-1.79	-1.79	-1.53	-1.53	-1.53	-1.43	-1.48	-1.45
13	-1.90	-1.90	-1.90	-1.79	-1.79	-1.79	-1.53	-1.53	-1.53	-1.43	-1.48	-1.45
14	-1.85	-1.90	-1.90	-1.74	-1.79	-1.79	-1.48	-1.53	-1.53	-1.38	-1.43	-1.40
15	-1.85	-1.85	-1.85	-1.74	-1.74	-1.74	-1.48	-1.48	-1.48	-1.33	-1.38	-1.38
16	-1.80	-1.80	-1.80	-1.69	-1.69	-1.69	-1.43	-1.48	-1.44	-1.28	-1.33	-1.33
17	-1.75	-1.75	-1.75	-1.64	-1.69	-1.68	-1.38	-1.43	-1.39	-1.28	-1.28	-1.28
18	-1.70	-1.75	-1.73	-1.59	-1.64	-1.63	-1.33	-1.38	-1.38	-1.23	-1.28	-1.24
19	-1.60	-1.70	-1.63	-1.49	-1.59	-1.54	-1.23	-1.33	-1.29	-1.18	-1.23	-1.19
20	-1.55	-1.60	-1.59	-1.49	-1.49	-1.49	-1.23	-1.23	-1.23	-1.18	-1.18	-1.18
21	-1.55	-1.55	-1.55	-1.49	-1.49	-1.49	-1.23	-1.23	-1.23	-1.18	-1.28	-1.22
22	-1.55	-1.55	-1.55	-1.49	-1.49	-1.49	-1.23	-1.28	-1.26	-1.28	-1.33	-1.31
23	-1.55	-1.55	-1.55	-1.49	-1.49	-1.49	-1.28	-1.28	-1.28	-1.33	-1.33	-1.33
24	-1.55	-1.55	-1.55	-1.49	-1.49	-1.49	-1.28	-1.28	-1.28	-1.28	-1.33	-1.32
25	-1.50	-1.50	-1.50	-1.49	-1.49	-1.49	-1.23	-1.28	-1.28	-1.23	-1.28	-1.27
26	-1.40	-1.50	-1.45	-1.39	-1.44	-1.43	-1.18	-1.23	-1.22	-1.13	-1.23	-1.18
27	-1.40	-1.40	-1.40	-1.34	-1.39	-1.37	-1.13	-1.18	-1.17	-1.03	-1.13	-1.09
28	-1.30	-1.35	-1.34	-1.29	-1.34	-1.33	-1.03	-1.13	-1.08	-1.03	-1.03	-1.03
29	-1.25	-1.30	-1.27	-1.24	-1.29	-1.25	-0.98	-1.03	-1.01	-0.93	-0.98	-0.97
30												
Month	-1.25	-2.51	-1.81	-1.24	-2.35	-1.71	-0.98	-1.99	-1.45	-0.93	-1.74	-1.34