CLIMATOLOGICAL SUMMARY FOR 1971

By D. W. S. LIMBERT *and* R. S. B. LOAN

THE year at the Argentine Islands was the warmest and sunniest since records began in 1947. Adelaide Island also recorded a high mean annual temperature. This was possibly the warmest year in the Antarctic Peninsula since records began in 1904. The previous warmest year, 1956, affected a wider area and can be discerned in the records of Signy Island, South Georgia and Port Stanley in the Falkland Islands.

The weather of the Antarctic Peninsula during January, February, May and December was fair with sunshine and clear skies. The remainder of the year was mainly cloudy and mild. At Adelaide Island in October there were 31 cloudy days and 28 with precipitation. Winds were lighter than usual.

The mean annual temperature at Signy Island was colder than at the Antarctic Peninsula stations for the first time since records began. This station also showed the sunniest year on record, with January, September and December recording well in excess of normal. At King Edward Point, South Georgia, the combined rainfall and snow water-equivalent annual total was well above average. The total of 1,973 mm. owed much to several periods of heavy rain in February, and to heavy snowfall without drifting in June and August. The finest months were July, August and September.

At Halley Bay, the 1970–71 summer was the warmest since records began in 1956. In contrast, −53·2° C was recorded in June, the lowest minimum so far. However, the annual mean temperature was close to the average.

Pressure variations were unremarkable. The highest recorded at the British Antarctic Survey stations in the Antarctic Peninsula was 1,026·1 mbar at Adelaide Island in May. South Georgia recorded 1,033·1 mbar in August. The lowest pressure was 943·3 mbar at the Argentine Islands in September.

STATION NOTES FOR 1971

South Georgia

1. Full observations were made at 00, 12 and 18 GMT only during January and February. Pressure, temperature, humidity and wind data for 06 GMT were read off autographic records.
2. Shading cuts out about 1½ hr. of possible sunshine each day in the months October–March but this rapidly increases at the equinoxes to almost total shading in June.
3. There were 2 days of *thunder* in March.
4. The maximum snow depth was recorded on 15 August.

Signy Island

1. The tables have been compiled from 3 hourly readings extracted from autographic records of pressure, temperature and wind.
2. The loss of sunshine due to shading varies from about 2½ hr. per day in summer to about 1½ hr. in winter.

Argentine Islands

1. Precipitation measurements were not made.
2. The loss of sunshine due to shading varies from about 2 hr. per day in summer to ½ hr. in winter.

Adelaide Island

1. Mixed snow accumulation and rainfall is given as water equivalent as calculated at the station. The reliability of these data is not known.
2. There is almost complete shading in June and negligible shading in December. The remainder of the year averages about 1½ hr. shading per day.

Halley Bay

1. Snow-accumulation measurements were not made.
2. The exposure of the sunshine recorder is excellent. Any losses are inherent in the type of instrument in use.

MS. received 28 May 1975

CLIMATOLOGICAL SUMMARY FOR 1971
SOUTH GEORGIA (88903) lat. 54°16′S., long. 36°30′W.
ZONE TIME = GMT −2 hr. STATION LEVEL 4 m. a.s.l. ANEMOMETER AT 10 m.

MONTH	M.S.L. PRESSURE (mbar)[1]			AIR TEMPERATURE (°C)[1]					WIND SPEED[1]			ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS[1]								
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed	Hourly Record		Number of observations		Seasonal frequency of wind direction and speed							
		Highest	Lowest		Max.	Min.	Max.	Min.		Highest											
									kt	Mean deg./kt	Gust deg./kt	≥34 kt	Calm	Speed kt	North	East	South	West	Variable	Total	Season
December of the previous year									7.5	280 320 24	270 52	(0)	(26)	1-10	(66)	(80)	(16)	(29)	(3)	(194)	Summer Dec., Jan., Feb.
														11-21	(32)	(12)	(2)	(29)		(75)	
														22-33	(4)	(2)		(8)		(14)	
														≥34				(2)		(2)	
January	(994.0)	(1015.9)	(970.5)	(4.9)	8.0	2.2	12.9	-0.7	(6.4)	270 34	290 62	(1)	(36)	Total	(102)	(94)	(18)	(68)	(3)	(285)	
February	(993.1)	(1009.9)	(961.0)	(5.7)	9.5	2.3	16.9	0.1	(9.0)	260 36	250 65	(1)	(13)								
March	997.4	1014.1	972.3	4.9	8.3	1.9	13.2	-1.3	7.5	240 40	250 80	1	41	1-10	121	114	47	131	1	414	Autumn Mar., Apr., May
April	998.2	1017.1	976.0	2.8	5.8	0.2	13.0	-3.8	5.7	260 22	240 47	0	47	11-21	64	7	1	83		155	
May	998.7	1026.2	969.2	-0.4	1.5	-2.5	5.3	-7.8	5.5	300 28	320 44	0	64	22-33	1		1	12		14	
June	1002.2	1023.2	955.0	-0.8	1.5	-3.2	7.0	-6.3	5.1	270 33	270 70	0	87	≥34				1		1	
														Total	186	121	49	227	1	584	
July	1006.5	1029.3	978.0	-2.5	0.5	-4.8	7.3	-9.2	6.2	290 30	290 58	0	27	1-10	93	54	27	197	4	375	Winter Jun., Jul., Aug.
August	999.4	1033.1	958.9	0.1	3.4	-3.0	10.7	-7.5	8.2	270 38	260 65	2	38	11-21	83	9	5	95		192	
September	1002.7	1029.5	974.7	1.5	5.0	-1.5	14.4	-7.6	10.8	270 33	270 70	1	21	22-33	3		2	10		15	
October	1003.2	1024.9	965.5	2.0	5.5	-0.8	13.0	-7.3	9.4	270 36	260 60	1	23	≥34			2			2	
														Total	179	63	34	304	4	584	
November	995.0	1009.8	975.1	3.9	7.4	0.8	12.8	-2.8	9.0	270 29	290 54	0	17	1-10	121	87	26	109	10	353	Spring Sep., Oct., Nov.
December	988.1	1003.7	961.6	3.2	6.2	0.1	11.9	-2.4	8.3	280 29	280 61	0	21	11-21	106	18	5	133		262	
														22-33	11			39		50	
YEAR	998.2	1033.1	955.0	2.1	5.2	-0.7	16.9	-9.2	7.6	240 40	250 80	-	-	≥34				2		2	
														Total	238	105	31	283	10	667	

MONTH	HUMIDITY[1]		TOTAL CLOUD AMOUNT[1]			SUNSHINE[2]		PRECIPITATION[4]		WEATHER—NUMBER OF DAYS WITH:[1, 3]										
	Vapour pressure (mbar)	Relative humidity (%)	Mean total amount Oktas	Percentage observations		Total hours	Per cent of max. possible record	Net snow depth (cm.)	Rainfall or snow equivalent (mm)	Precipitation forms:				Drift snow (level <1.8 m.)	Blowing snow (level >1.8 m.)	True water or ice fog	Visibility below 1,000 m.	Gale	Cloudy skies	Clear skies
				0 – 2 Oktas	6 – 8 Oktas					Rain or drizzle	Snow or sleet	Hail >5 mm. diam.	Prisms, grains, etc.							
January	(6.1)	(72)	(6.1)	(17.2)	(74.1)	140.0	30.0	0	152	(26)	(8)	(1)				(4)	(6)	1	(18)	(2)
February	(6.9)	(76)	(6.0)	(11.9)	(66.6)	126.5	33.9	0	227	(20)	(10)							1	(11)	
March	6.8	79	6.2	15.3	72.6	106.5	32.5	0	200	26	11		3	1		2	2	1	18	
April	6.1	81	4.9	20.0	66.7	56.9	29.8	1	192	21	10					4	4		15	1
May	5.0	84	6.1	13.7	73.0	24.8	23.8	15	139	11	28			5		2	2		20	1
June	4.9	85	5.3	25.8	63.4	0.5	(8.2)	28	205	10	18			4		1	3	1	13	3
July	4.1	81	4.3	41.9	47.1	23.7	(50.5)	62	137	3	16		1	5	3	2	2	1	11	9
August	4.8	79	4.9	27.4	53.6	55.9	33.3	36	216	9	23		1	6	2		3	2	11	3
September	4.9	72	5.0	30.8	55.8	117.1	42.1	0	127	15	15		3					3	13	5
October	5.2	74	5.7	18.5	66.1	125.4	32.8	0	126	15	20	1	6	2		1	2	2	17	3
November	5.6	71	5.9	18.3	69.5	160.1	37.1	0	124	13	14		1	3		1	5		19	3
December	5.4	72	6.7	4.4	79.0	124.4	25.9	0	126	23	26		4	3			6		23	
YEAR	5.5	77	5.6	20.4	65.6	1061.8	32.5	Max 96	1973	192	199	2	19	29	5	17	35	12	189	30

CLIMATOLOGICAL SUMMARY FOR 1971
SIGNY ISLAND (88925) lat. 60°43′S., long. 45°36′W.
ZONE TIME = GMT −3 hr. STATION LEVEL 12 m. a.s.l. ANEMOMETER AT 10 m.

MONTH	M.S.L. PRESSURE (mbar)[1]			AIR TEMPERATURE (°C)[1]					WIND SPEED[1]					ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS[1]								
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed	Hourly Record				Number of observations		Seasonal frequency of wind direction and speed						
		Highest	Lowest		Max.	Min.	Max.	Min.	kt	Highest Mean deg./kt		Gust deg./kt		≥34 kt	Calm	Speed kt	North	East	South	West	Variable	Total	Season
December of the previous year									10.0	270	25	270	43	0	20	1-10	27	108	58	114	20	327	
																11-21	20	53	22	159		254	
January	987.3	1008.0	968.3	1.6	3.4	0.2	10.3	-2.1	10.7	130	40	130	62	2	31	22-33	7	22	1	38		68	Summer Dec., Jan., Feb.
February	985.5	997.1	962.8	1.2	3.1	-0.3	7.1	-2.6	11.3	280	28	280	49	0	18	≥34							
March	984.7	1005.9	965.8	0.7	2.9	-1.2	8.9	-6.7	12.7	270	34	270	46	0	39	Total	54	183	81	311	20	649	
April	989.6	1012.8	958.3	-1.7	1.1	-4.7	9.6	-11.2	14.3	280	46	310	72	18	15	1-10	23	75	61	113	3	275	
May	1000.1	1020.5	964.2	-9.0	-4.9	-12.7	2.3	-23.3	8.5	300	40	300	66	2	48	11-21	20	31	15	169		235	
June	996.7	1012.5	959.7	-5.6	-2.5	-8.9	6.1	-23.7	14.1	330	49	330	75	11	43	22-33	14	15		68	1	98	Autumn Mar., Apr., May
July	1002.9	1024.0	966.0	-9.4	-5.8	-13.0	4.4	-27.3	11.7	320	38	320	61	5	65	≥34	2	7		11		20	
August	988.3	1021.5	959.5	-6.1	-2.2	-10.3	3.1	-20.4	12.3	060	54	060	82	8	48	Total	59	128	76	361	4	628	
September	992.2	1017.9	955.2	-6.5	-2.7	-9.5	5.4	-22.9	15.0	320	43	320	72	11	26	1-10	18	42	54	66	6	186	
October	991.7	1015.0	958.0	-3.0	-0.2	-5.3	3.4	-14.7	16.1	300	46	320	67	13	20	11-21	38	20	11	133	2	204	
November	984.6	1002.8	967.6	-0.9	1.3	-2.8	6.0	-9.1	13.0	310	31	120	50	0	23	22-33	31	8	4	109		152	Winter Jun., Jul., Aug.
December	990.7	1005.0	977.3	-1.9	-0.2	-3.4	4.3	-5.3	10.9	120	31	140	48	0	47	≥34	15	2		7		24	
YEAR	991.2	1024.0	955.2	-3.4	-0.6	-6.0	10.3	-27.3	12.6	060	54	060	82	70	423	Total	102	72	69	315	8	566	
																1-10	18	29	64	98	3	212	
																11-21	37	16	13	182		248	
																22-33	29	6	3	122		160	Spring Sep., Oct., Nov.
																≥34	9			15		24	
																Total	93	51	80	417	3	644	

MONTH	HUMIDITY[1]		TOTAL CLOUD AMOUNT[1]			SUNSHINE[2]		PRECIPITATION		WEATHER—NUMBER OF DAYS WITH:[1]										
	Vapour pressure (mbar)	Relative humidity (%)	Mean total amount Oktas	Percentage observations 0 – 2 Oktas	6 – 8 Oktas	Total hours	Per cent of max. possible record	Net snow depth (cm.)	Rainfall or snow equivalent (mm.)	Precipitation forms: Rain or drizzle	Snow or sleet	Hail ≥5 mm. diam.	Prisms, grains, etc.	Drift snow (level <1.8 m.)	Blowing snow (level >1.8 m.)	True water or ice fog	Visibility below 1,000 m.	Gale	Cloudy skies	Clear skies
January						133.4	28.0											2		
February						60.5	16.6											0		
March						35.8	11.0											3		
April						38.1	15.7											11		
May	← INSUFFICIENT DATA →					15.9	9.0	← INSUFFICIENT DATA →										1	← INSUFFICIENT DATA →	
June						18.0	14.8											7		
July						40.8	26.3											6		
August						64.4	28.9											11		
September						95.4	31.2											11		
October						64.5	16.3											13		
November						59.2	13.3											1		
December						126.8	24.8											1		
YEAR	—	—	—	—	—	752.8	20.1	—	—	—	—	—	—	—	—	—	—	67	—	—

CLIMATOLOGICAL SUMMARY FOR 1971
ARGENTINE ISLANDS (88952) lat. 65°15′S., long. 64°16′W.
ZONE TIME = GMT −4 hr. STATION LEVEL 10 m. a.s.l. ANEMOMETER AT 10 m.

MONTH	M.S.L. PRESSURE (mbar)			AIR TEMPERATURE (°C)					WIND SPEED			ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS								
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed	Hourly Record		Number of observations		Seasonal frequency of wind direction and speed						
		Highest	Lowest		Max.	Min.	Max.	Min.		Highest										
									kt	Mean deg./kt	Gust deg./kt	≥34 kt	Calm	Speed kt	North	East	South	West	Variable	Total	Season
December of the previous year									3.1	150 17	140 28	0	123	1-10	66	61	233	22	1	383	
														11-21	30	6	17	3		56	Summer
														22-33						0	Dec., Jan., Feb.
January	991.3	1012.7	974.0	1.2	3.6	-0.5	6.1	-2.5	3.7	050 16	050 25	0	90	≥34						0	
February	990.6	1003.4	976.6	0.9	2.9	-1.1	5.6	-3.3	4.9	050 22	060 32	0	68	Total	96	67	250	25	1	439	
March	984.9	1006.6	956.9	0.2	2.1	-1.7	4.7	-5.4	6.3	020 29	020 40	0	63	1-10	68	66	208	28		370	
April	990.1	1019.6	972.0	-1.4	0.0	-3.2	5.5	-5.7	5.6	060 22	060 33	0	80	11-21	83	10	24	7		124	Autumn
May	1002.1	1022.8	966.1	-4.6	-3.2	-6.7	0.7	-10.6	4.8	360 25	030 33	0	91	22-33	8					8	Mar., Apr., May
June	991.3	1013.2	957.2	-2.7	-0.8	-4.7	4.0	-10.6	8.1	060 31	050 47	0	60	≥34							
July	996.9	1013.7	954.7	-4.3	-1.9	-6.9	2.5	-12.8	9.3	030 36	030 54	1	60	Total	159	76	232	35	0	502	
August	981.6	1010.8	961.9	-4.8	-2.6	-7.5	2.3	-13.7	7.3	020 26	050 40	0	63	1-10	67	72	131	19		289	
September	988.3	1014.0	943.3	-4.6	-1.5	-7.9	3.8	-17.7	7.4	100 34	110 56	1	60	11-21	127	27	47	26		227	Winter
October	988.2	1016.2	959.4	-1.9	0.7	-4.3	4.2	-11.4	9.3	030 30	030 47	0	29	22-33	26	8		2		36	Jun., Jul., Aug.
November	982.7	1006.0	967.9	-1.0	1.8	-3.4	5.2	-10.9	5.7	030 35	040 56	1	70	≥34	1					1	
December	994.9	1010.7	981.3	-0.1	3.0	-2.1	5.2	-3.8	1.8	270 12	140 19	0	151	Total	221	107	178	47	0	553	
											110 56			1-10	113	59	161	28		361	
											040 56			11-21	130	21	14	7		172	Spring
YEAR	990.3	1022.8	943.3	-1.9	0.3	-4.2	6.1	-17.7	6.2	030 36		3	886	22-33	22	10	2			34	Sep., Oct., Nov.
														≥34	1	1				2	
														Total	266	91	177	35	0	569	

MONTH	HUMIDITY		TOTAL CLOUD AMOUNT			SUNSHINE[2]		PRECIPITATION[1]		WEATHER—NUMBER OF DAYS WITH:									
	Vapour pressure (mbar)	Relative humidity (%)	Mean total amount Oktas	Percentage observations		Total hours	Per cent of max. possible record	Net snow depth (cm.)	Rainfall or snow equivalent (mm.)	Precipitation forms:				Drift snow (level <1.8 m.)	Blowing snow (level >1.8 m.)	True water or ice fog	Visibility below 1,000 m.	Gale	Cloudy skies	Clear skies
				0 – 2 Oktas	6 – 8 Oktas					Rain or drizzle	Snow or sleet	Hail >5 mm. diam.	Prisms, grains, etc.							
January	5.4	81	6.1	13.7	75.4	193.3	34.6			3	11		1			1	1		20	2
February	5.2	79	5.2	30.3	61.6	193.6	46.1			5	9		1						14	5
March	5.2	84	7.1	6.8	88.7	38.5	10.8			12	20		3	3		2	7		27	1
April	4.8	85	6.5	14.2	80.0	49.2	19.7			10	21			3		2	5		25	4
May	3.7	84	5.9	19.8	71.4	32.1	19.9			2	19		3	9	3	2	9		19	4
June	4.5	87	6.3	15.0	76.6	10.8	(13.0)			10	19		2	8	3	2	11	1	19	1
July	3.8	84	5.9	19.0	68.1	19.1	14.0			1	22		2	14	6		10	1	19	2
August	3.8	83	6.7	8.9	82.6	21.6	9.6			3	24		3	9	7		10	1	24	
September	3.7	83	6.1	15.4	73.4	80.8	25.9			5	18		1	9	4	5	12	2	18	
October	4.8	88	7.2	6.5	89.5	55.1	12.8			9	28		7	11	1	1	13		29	1
November	4.8	84	6.5	11.3	79.1	152.4	30.0			8	21		3	1		6	7	1	24	2
December	4.8	80	5.8	20.2	70.5	250.5	41.5			2	15		1				1		18	1
YEAR	4.5	83	6.3	15.0	76.5	1097.0	27.0			70	227	NIL	36	67	24	17	86	6	256	23

CLIMATOLOGICAL SUMMARY FOR 1971
ADELAIDE ISLAND (88958) lat. 67°46′S., long. 68°55′W.
ZONE TIME = GMT −5 hr. STATION LEVEL 14 m. a.s.l. ANEMOMETER AT 10 m. (EFFECTIVE HEIGHT 6·7 m.)

MONTH	M.S.L. PRESSURE (mbar)			AIR TEMPERATURE (°C)					WIND SPEED					ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS									
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed	Hourly Record				Number of observations		Seasonal frequency of wind direction and speed							
		Highest	Lowest		Max.	Min.	Max.	Min.	kt	Highest Mean deg./kt		Gust deg./kt		≥34 kt	Calm	Speed kt	North	East	South	West	Variable	Total	Season
December of the previous year									8.2	340	43	340	60	9	37	1-10	167	188	35	48		438	
																11-21	35	68	2	37		142	Summer
January	991.5	1010.2	972.0	1.5	3.8	0.1	6.6	-1.5	5.2	250	21	080	38	0	46	22-33	15	2		9		26	Dec., Jan., Feb.
February	988.9	1003.7	972.6	0.5	2.7	-1.9	6.2	-4.3	7.4	350	39	350	55	1	21	≥34	10					10	
March	982.3	1001.0	951.1	-0.5	1.9	-2.2	8.2	-8.6	11.1	350	35	350	51	3	9	Total	227	258	37	94		616	
April	988.2	1016.5	966.7	-1.9	0.6	-4.5	6.6	-9.0	10.8	330	37	350	53	3	13	1-10	125	169	51	57		402	
																11-21	89	75	9	53		226	Autumn
May	1001.4	1026.1	967.5	-5.2	-3.0	-7.4	4.3	-15.5	8.4	340	42	350	60	2	22	22-33	50	3		3		56	Mar., Apr., May
June	988.2	1008.8	960.4	-3.1	-0.7	-5.6	4.5	-13.4	11.9	350	47	350	62	10	19	≥34	8					8	
July	993.6	1013.5	947.3	-5.8	-3.1	-8.5	4.2	-16.4	13.9	350	45	350	61	21	5	Total	272	247	60	113		692	
August	978.3	1002.6	950.1	-6.8	-3.9	-9.9	3.9	-23.4	13.3	360	46	350	68	24	18	1-10	108	153	29	39		329	
																11-21	68	69	10	70		217	Winter
September	986.4	1011.0	950.3	-5.6	-2.6	-8.8	0.5	-17.7	11.1	090	46	100	71	8	22	22-33	80	2		11		93	Jun., Jul., Aug.
October	983.6	1016.4	959.6	-2.6	0.0	-5.2	4.8	-13.0	14.9	350	55	350	75	12	7	≥34	55						
November	980.3	1002.6	966.0	-1.4	1.5	-3.8	4.8	-10.5	9.3	360	52	350	74	5	25	Total	311	224	39	120		694	
December	994.4	1005.9	980.9	0.7	3.1	-1.4	7.6	-3.9	5.0	350	34	350	47	0	50	1-10	99	158	39	58		354	
																11-21	85	51	2	56		194	Spring
YEAR	988.1	1026.1	947.3	-2.5	0.0	-4.9	8.2	-23.4	10.2	350	55	350	75	89	247	22-33	79	15		7		101	Sep., Oct., Nov.
																≥34	21	4				25	
																Total	284	228	41	121		674	

MONTH	HUMIDITY		TOTAL CLOUD AMOUNT			SUNSHINE[2]		PRECIPITATION[1]		WEATHER—NUMBER OF DAYS WITH:									
	Vapour pressure (mbar)	Relative humidity (%)	Mean total amount Oktas	Percentage observations 0 – 2 Oktas	6 – 8 Oktas	Total hours	Per cent of max. possible record	Net snow depth (cm.)	Rainfall or snow equivalent (mm.)	Precipitation forms: Rain or drizzle	Snow or sleet	Hail >5 mm. diam.	Prisms, grains, etc.	Drift snow (level <1.8 m.)	Blowing snow (level >1.8 m.)	True water or ice fog	Visibility below 1,000 m.	Gale	Cloudy skies	Clear skies
January	5.1	76	6.5	9.3	79.4	161.3	24.2	0	37	6	15		2			2	3		22	
February	4.6	73	5.3	25.0	60.3	212.4	47.1	0	55	5	14		1	1			1	3	14	3
March	4.9	80	7.0	5.2	87.1	48.0	13.5	10	119	11	22		3	13	2	1	3	4	28	
April	4.2	79	6.6	12.1	83.8	39.2	17.7	20	55	5	25		2	14	5		1	5	22	
May	3.5	79	5.5	21.0	64.9	21.7	(22.6)	22	36	2	19		2	14	5	2	6	1	18	1
June	4.1	82	6.5	10.8	77.9	Sun below horizon		40	54	7	25		1	12	9		5	6	22	
July	3.3	80	5.7	16.9	68.5	1.2	(4.0)	56	64		24			21	14		10	8	19	3
August	3.2	80	6.3	12.9	77.0	23.0	12.6	62	29	1	21			17	9		7	8	23	1
September	3.2	78	6.2	10.9	79.2	64.8	21.8	74	14	1	17		4	14	12	1	6	6	23	
October	4.2	81	7.1	0.8	93.5	43.2	10.1	75	46	3	28		5	18	12		7	8	31	
November	4.2	77	6.4	7.1	80.4	161.9	27.2	71	58	1	23		3	12	8		6	4	23	
December	4.6	73	5.4	25.0	69.6	325.3	43.9	46	10		16		3	4	1				16	5
YEAR	4.1	78	6.2	[illegible]	76.8	1102.0	27.1	max not recorded	577	42	249	NIL	[illegible]	140	77	8	55	53	261	13

CLIMATOLOGICAL SUMMARY FOR 197[illegible]
HALLEY BAY (89022) lat. 75°31′S., long. 26°40′W.
ZONE TIME = GMT −2 hr. STATION LEVEL 31 m. a.s.l. ANEMOMETER AT 11 m.

MONTH	M.S.L. PRESSURE (mbar)			AIR TEMPERATURE (°C)					WIND SPEED			ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS								
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed	Hourly Record		Number of observations		Seasonal frequency of wind direction and speed						
		Highest	Lowest		Max.	Min.	Max.	Min.	kt	Highest Mean deg./kt	Highest Gust deg./kt	≥34 kt	Calm	Speed kt	North	East	South	West	Variable	Total	Season
December of the previous year									10.6	090 30	080 41	0	14	1-10	29	145	94	76		344	
														11-21		205	19	81		305	Summer
														22-33		16	1	7		24	Dec., Jan., Feb.
														≥34							
														Total	29	366	114	164		673	
January	995.2	1012.2	981.1	-3.5	-1.3	-6.4	+1.0	-16.1	10.6	070 27	070 35	0	21	1-10	19	161	72	59		311	
February	991.0	999.1	975.1	-9.3	-6.7	-12.7	-1.5	-23.6	9.1	090 23	090 29	0	12	11-21		194	33	35		262	Autumn
March	986.7	995.9	970.4	-18.6	-13.5	-25.4	-7.2	-36.5	12.4	090 39	080 49	8	6	22-33		109				109	Mar., Apr., May
April	991.1	1007.2	968.6	-17.6	-13.8	-22.6	-3.1	-36.3	16.4	080 40	080 47	12	6	≥34		32				32	
May	997.4	1014.4	977.0	-25.2	-19.9	-30.7	-10.6	-42.1	12.8	070 45	070 57	12	10	Total	19	496	105	94		714	
June	989.0	1005.1	960.1	-31.8	-27.4	-36.7	-11.7	-53.2	10.5	080 62	080 77	7	17	1-10	26	143	70	93		332	
July	993.4	1011.2	978.7	-32.8	-27.0	-38.6	-18.0	-51.1	12.7	070 39	070 48	8	2	11-21	9	159	33	63		264	Winter
August	990.5	1011.1	967.4	-25.2	-20.4	-32.0	-10.2	-41.0	16.4	060 52	060 70	34	4	22-33	6	61		1		68	Jun., Jul., Aug.
September	986.8	1008.2	961.9	-27.5	-22.8	-32.9	-6.6	-47.3	12.7	070 41	070 52	5	5	≥34		49				49	
October	982.7	997.6	957.1	-18.6	-14.0	-23.8	-5.7	-34.6	15.4	070 51	080 63	23	4	Total	41	412	103	157		713	
November	986.7	1000.0	969.5	-13.0	-9.7	-18.3	-2.9	-28.1	13.4	080 41	080 51	12	9	1-10	11	119	73	57		260	
December	994.4	1004.8	981.1	-4.5	-2.0	-8.0	+1.8	-15.8	10.3	070 31	060 40	0	8	11-21	10	197	46	76		329	Spring
														22-33		53	6	22		81	Sep., Oct., Nov.
														≥34		39		1		40	
YEAR	990.4	1014.4	957.1	-19.0	-14.9	-24.0	+1.8	-53.2	12.7	080 62	080 77	121	104	Total	21	408	125	156		710	

MONTH	HUMIDITY		TOTAL CLOUD AMOUNT			SUNSHINE[2]		PRECIPITATION[1]		WEATHER—NUMBER OF DAYS WITH:									
	Vapour pressure (mbar)	Relative humidity (%)	Mean total amount Oktas	Percentage observations 0 – 2 Oktas	6 – 8 Oktas	Total hours	Per cent of max. possible record	Net snow depth (cm.)	Rainfall or snow equivalent (mm)	Precipitation forms: Rain or drizzle	Snow or sleet	Hail >5 mm. diam.	Prisms, grains, etc.	Drift snow (level <1.8 m.)	Blowing snow (level >1.8 m.)	True water or ice fog	Visibility below 1,000 m.	Gale	Cloudy skies	Clear skies
January	3.84	80	5.8	19.4	70.2	239.5	32.2				18		4	10			4		23	4
February	2.45	77	6.5	11.2	78.6	158.7	26.6				21		3	11	2	2	6		21	1
March	1.23	78	4.7	35.5	49.2	209.0	50.0				19		7	13	7	10	17	4	13	4
April	1.58	82	5.4	24.2	65.0	33.7	16.7				15		4	17	14	4	17	5	16	3
May	0.76	78	4.3	38.3	46.4	0.0	(NIL)				14		10	13	10	5	13	2	9	5
June	0.43	74	4.1	45.0	42.1	Sun below horizon					10		5	8	6	8	12	2	11	9
July	0.36	72	4.0	42.3	37.1	May 3	Aug 11				10		11	11	7	7	9	3	9	8
August	0.76	78	5.6	19.3	64.5	3.3	2.9				17		6	18	13	1	12	8	19	4
September	0.73	76	5.2	30.0	55.4	93.6	28.2				14		18	19	9	4	10	2	16	3
October	1.35	82	5.5	24.2	62.5	217.9	38.7				17		5	13	11	4	14	8	18	5
November	2.05	83	4.3	36.7	43.8	408.7	56.8				10		1	12	7	4	6	3	12	5
December	3.79	85	5.4	23.8	64.5	376.8	50.7				10			8	2	3	2		16	4
YEAR	1.61	79	5.1	29.2	56.5	1741.2	39.3			NIL	175	NIL	74	153	88	52	122	37	183	55