

CLIMATOLOGICAL SUMMARY FOR 1972

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

THE annual mean temperatures at the Argentine Islands and at Adelaide Island were well above average, and only slightly lower than in 1971. At Adelaide Island, February, March and July were the warmest since records began in 1962, and at the Argentine Islands, February was the warmest since 1947. Skies were predominantly overcast with few clear periods; the associated weather was mild in the main. The cloudiest periods at Adelaide Island were February–April and October–December. The duration of sunshine recorded in November was the lowest since records began. Annual sunshine totals at both stations were very low, but they were matched at the Argentine Islands in 1951, 1953 and 1954. There was a marked increase in strong westerly winds at Adelaide Island between March and August.

The annual mean temperature at Signy Island was lower than in 1971, and as in that year was lower than those recorded at the Antarctic Peninsula stations. August was the coldest since 1939 (Orçadas data) and June the coldest since 1949. However, it was the warmest December since 1936. Annual total sunshine was above average. December was the sunniest since records began in 1947 but, in contrast, the sunshine total for March was the lowest on record. The cold winter and the warm and clear December were associated with persistent high pressure—the annual mean pressure was the highest since 1956. The mean annual wind speed was the lowest recorded at Signy Island. The frequency of southerly winds was more than double that in 1971, and the frequency of westerly winds decreased.

At South Georgia, there was more than the average precipitation but in other respects the weather was unremarkable.

At Halley Bay, only 11 gale days were recorded, about one-third of the average. In particular, the spring was much quieter than is usual. The annual mean temperature was the lowest since 1964.

STATION NOTES FOR 1972

South Georgia

1. Shading cuts out about $1\frac{1}{2}$ hr. of possible sunshine each day in the months October–March but this rapidly increases at the equinoxes to almost total shading in June.
2. There was 1 day with *thunder* in September.
3. The maximum snow depth was recorded on 9 September. The monthly totals of snow water equivalent in brackets exclude occasions when records were marked “immeasurable”. The totals are probably low.

Signy Island

1. One full synoptic observation is made at 09.00 zone time (12.00 GMT). Total cloud amount, humidity and the frequency of weather types in parentheses are based on these single daily observations.
2. The loss of sunshine due to shading varies from about $2\frac{1}{2}$ hr. per day in summer to about $1\frac{1}{2}$ hr. in winter.
3. There were 18 occasions with wind speed missing in summer and five in autumn.
4. Mixed snow accumulation and rainfall is given as water equivalent as calculated at the station. The reliability of these data is not known.

Argentine Islands

1. The loss of sunshine due to shading varies from about 2 hr. per day in summer to $\frac{1}{2}$ hr. in winter.

Adelaide Island

1. Rainfall or snow water-equivalent data are not available. Maximum snow depth was recorded on 31 August.

2. There is almost complete shading in June and negligible shading in December. The remainder of the year averages about $1\frac{1}{2}$ hr. shading per day.

Halley Bay

1. Snow-accumulation measurements commenced on 1 February, which is taken as the reference point for all net snow-depth measurements. An estimate of the gross water equivalent of precipitation is given based on daily measurements of snow depth and density. The maximum snow depth occurred on 1 December.
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 1972
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)			AIR TEMPERATURE (°C)				WIND SPEED			ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS												
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed kt	Hourly Record		Number of observations ≥34 kt Calm		Seasonal frequency of wind direction and speed									
		Highest	Lowest		Max.	Min.	Max.	Min.		Mean deg./kt	Highest gust deg./kt			Speed kt	North	East	South	West	Variable	Total	Season		
December of the previous year									8.3	280	29	280	61	0	21	1-10	164	152	41	64	12	433	Summer Dec, Jan, Feb.
January	993.5	1016.8	973.7	11.0	7.5	0.9	11.0	-1.7	7.9	300	24	280	66	0	11	11-21	100	35	2	82	1	220	
February	993.9	1011.1	978.4	11.9	8.0	1.9	13.2	-2.1	9.1	330	24	320	47	0	24	22-33	4			15		17	
March	996.2	1012.6	971.6	11.9	8.1	2.0	11.7	-3.6	8.7	260	30	230	57	0	45	≥34	268	187	43	161	13	672	
April	997.6	1015.0	962.3	11.3	6.3	0.5	13.3	-4.0	7.0	290	37	260	73	1	58	1-10	110	65	26	74	59	364	Autumn Mar, Apr, May
May	997.7	1021.5	958.1	10.2	3.1	-2.6	15.8	-6.5	5.3	330	25	230	49	0	43	11-21	119	13	6	71	1	210	
June	994.4	1016.5	969.9	-2.5	0.3	-5.4	7.0	-12.1	8.2	250	34	250	66	1	34	22-33	6			9		15	
July	999.5	1031.0	958.3	-1.0	1.8	-3.8	9.3	-8.4	6.7	300	24	350	54	0	20	≥34	265	78	32	155	60	590	
August	1002.4	1028.5	955.8	-3.0	0.3	-5.7	5.9	-10.2	9.5	290	34	300	75	0	17	1-10	65	51	24	128	46	394	Winter Jun, Jul, Aug.
September	991.1	1021.2	951.7	0.3	3.3	-2.1	8.2	-6.9	6.3	320	25	310	55	0	23	11-21	109	23	6	102	1	241	
October	995.4	1021.6	952.0	0.9	5.1	-2.3	13.6	-6.9	7.0	140	25	330	50	0	20	22-33	5	1	1	22		29	
November	989.4	1013.4	971.8	1.4	4.8	-1.3	12.9	-6.5	9.1	290	26	270	54	0	10	≥34	199	75	31	313	47	665	
December	1002.6	1020.3	977.4	5.3	9.8	1.1	19.6	-0.3	6.9	290	37	240	71	1	39	1-10	130	82	30	125	88	455	Spring Sep, Oct, Nov.
																11-21	90	15	4	87		196	
																22-33	12		1	11		24	
																≥34							
YEAR	996.4	1031.0	952.0	1.6	4.3	-1.3	19.6	-12.1	7.7	290	37	300	75	3	344	Total	232	47	35	223	88	675	

MONTH	HUMIDITY		TOTAL CLOUD AMOUNT			SUNSHINE ¹		PRECIPITATION ³		WEATHER—NUMBER OF DAYS WITH ²										
	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	Visi- bility 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	5.9	73	6.1	10.6	69.0	154.5	33.1	0	121	22	19	6			2	2		19		
February	6.3	73	6.0	11.3	69.9	122.3	31.7	0	215	19	12	1		2	2			16		
March	6.2	72	5.7	16.1	62.2	132.7	40.5	0	160	24	8	4					1	14		
April	5.8	76	5.7	17.1	65.7	64.7	33.9	0	295	20	14	7	1		1	1	1	14	1	
May	5.2	83	11.7	29.0	46.0	33.4	(32.1)	15	238	10	17	6	1		3	3		10	5	
June	4.2	82	5.2	21.7	54.6	0.0	(—)	22	(39)	2	21	10	8	5		4	1	12	2	
July	4.9	85	5.4	21.6	60.5	12.7	(28.2)	32	218	10	23	5	4		3	5		16	2	
August	3.9	78	5.6	21.8	62.9	18.8	29.0	59	(66)	5	26	10	18	15	1	5	2	15	3	
September	5.3	85	5.7	16.3	64.6	98.9	35.6	79	169	12	2	5	3	1	5	8		14	1	
October	5.1	79	5.1	24.2	54.4	166.0	43.5	0	(52)	12	2	8	4	3	1	3		13	4	
November	4.9	73	5.9	12.9	65.4	149.2	34.5	0	(23)	8	20	17	3	1		1		19	1	
December	6.2	71	6.0	9.3	66.1	172.5	35.9	0	54	21	7	3			1	1	1	17		
YEAR	5.3	76	5.6	18.3	61.5	1155.5	35.4	Max 104	1650	165	211	0	82	32	25	19	35	6	179	19

CLIMATOLOGICAL SUMMARY FOR 1972
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.

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BRITISH ANTARCTIC SURVEY BULLETIN

MONTH	M.S.L. PRESSURE (mbar)			AIR TEMPERATURE (°C)					WIND SPEED			ANALYSIS OF WIND REPORTED AT THE EIGHT SYNOPTIC HOURS ³																					
	Daily mean	Extremes		Daily mean	Mean daily		Extremes		Mean speed kt	Hourly Record		Number of observations ≥34 kt Calm	Seasonal frequency of wind direction and speed																				
		Highest	Lowest		Max.	Min.	Max.	Min.		Mean deg./kt	Gust deg./kt		Speed kt	North	East	South	West	Vari- able	Total	Season													
December of the previous year																			10.9	120	31	140	48	0	47	1-10	34	73	115	94	15	331	Summer Dec, Jan, Feb.
January	995.0	1010.2	971.2	0.3	2.4	-1.8	7.0	-3.5	9.8	04.0	38	04.0	57	1	5	11-21	34	56	87	69	1	247											
February	991.7	1003.1	978.7	0.1	2.2	-2.0	6.6	-6.5	11.4	07.0	36	06.0	56	0	5	22-33	10	18	42	4	74	1											
March	993.8	1008.4	974.4	-0.2	2.0	-2.7	5.8	-9.4	9.2	04.0	29	34.0	49	0	14	Total	79	147	244	167	16	653											
April	992.4	1010.7	962.5	-1.5	1.4	-4.3	8.7	-11.5	14.3	32.0	39	09.0	76	4	3	1-10	47	53	91	111	23	325	Autumn Mar, Apr, May										
May	996.1	1016.7	955.2	-4.8	-1.4	-8.1	5.9	-18.2	13.5	32.0	48	33.0	65	8	4	11-21	55	33	36	159	8	291											
June	996.3	1017.0	973.2	-13.1	-7.6	-18.0	2.0	-37.2	10.2	-	43	-	72	4	30	22-33	31	5	11	34	1	82											
July	996.1	1017.8	970.3	-9.4	-4.4	-13.7	3.6	-31.5	11.5	11.0	45	32.0	72	5	27	≥34	8	1	3	3	12	710											
August	1003.1	1032.2	971.3	-14.9	-9.8	-20.6	0.8	-39.3	9.8	29.0	39	26.0	67	2	43	1-10	24	48	69	114	70	325	Winter Jun, Jul, Aug.										
September	993.0	1015.6	967.1	-5.0	-1.8	-6.2	5.0	-29.5	12.5	29.0	42	28.0	67	8	18	11-21	24	18	9	14.6	3	200											
October	996.6	1022.0	968.7	-4.1	-0.7	-7.4	3.7	-18.6	9.9	28.0	32	28.0	58	0	17	22-33	11	31		56	2	100											
November	987.2	1007.3	966.0	-2.5	-0.4	-4.8	4.4	-12.5	10.4	11.0	33	12.0	52	0	13	Total	61	99	80	319	77	636											
December	997.4	1014.3	971.1	1.7	4.3	-0.2	8.3	-3.4	12.6	27.0	41	27.0	72	2	5	1-10	22	87	81	125	24	339	Spring Sep, Oct, Nov.										
																11-21	12	28	24	174	1	239											
																22-33	5	15		73	1	94											
																≥34				8		8											
YEAR	994.9	1032.2	955.2	-4.5	-1.1	-7.5	8.7	-39.3	11.3	32.0	48	09.0	76	34	184	Total	39	130	105	380	26	680											

MONTH	HUMIDITY ¹		TOTAL CLOUD AMOUNT ¹			SUNSHINE ²		PRECIPITATION ⁴		WEATHER—NUMBER OF DAYS WITH ¹													
	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	Visi- bility 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	(5.3)	(83)	(7.4)	(0.0)	(93.5)	65.4	13.7	Not recorded	22	(1)	(14)				(2)		(1)	(1)	3	2			
February	(5.5)	(87)	(7.5)	(0.0)	(88.5)	37.5	10.0		68	(4)	(10)												
March	(5.2)	(86)	(7.5)	(0.0)	(96.8)	19.0	5.8		12	(6)	(5)									0			
April	(4.9)	(86)	(7.4)	(3.3)	(90.0)	19.9	8.2		178	(6)	(7)				(1)		(1)	(1)	9				
May	(3.9)	(82)	(7.0)	(0.0)	(87.0)	21.9	12.4		104	(2)	(10)									6			
June	(2.4)	(75)	(6.9)	(3.3)	(85.0)	16.8	13.8		44	(3)	(5)				(2)	(2)	(3)	(5)	4				
July	(2.9)	(80)	(6.8)	(0.0)	(77.4)	25.2	16.2		36	(1)	(5)						(4)	(4)	11				
August	(1.9)	(76)	(6.1)	(9.7)	(71.0)	90.5	10.6		26		(6)				(1)	(2)	(2)	(2)	7				
September	(4.0)	(84)	(7.0)	(3.3)	(83.3)	60.8	19.9		116		(5)				(1)	(1)			4				
October	(4.3)	(87)	(6.9)	(6.5)	(80.6)	61.5	15.6		67		(8)				(3)	(2)			2				
November	(4.5)	(85)	(7.6)	(3.3)	(96.7)	57.1	12.9		25		(8)				(2)	(2)			2				
December	(6.1)	(87)	(6.9)	(0.0)	(77.5)	124.3	24.4		24	(7)	(3)						(2)	(2)	5				
YEAR	(4.2)	(83)	(7.1)	(2.5)	(78.7)	599.9	16.0		722	(30)	(86)	(Nil)	(Nil)	(12)	(10)	(17)	(19)	55	-	-			

CLIMATOLOGICAL SUMMARY FOR 1972
 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 kt	Hourly Record		Number of observations ≥34 kt Calm		Seasonal frequency of wind direction and speed							
		Highest	Lowest		Max.	Min.	Max.	Min.		Mean deg./kt	Highest deg./kt			Speed kt	North	East	South	West	Variable	Total	Season
December of the previous year										1.8	270 12	140 19	0 151	1-10 11-21 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
January	994.3	1009.2	974.7	1.7	4.1	0.1	8.7	-1.7	3.4	050 19	030 39	0 114	0 62	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
February	990.2	1005.4	972.7	1.6	3.6	0.3	8.4	-1.6	5.2	050 24	050 37	0 39	0 39	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
March	989.9	1009.1	968.9	0.4	2.0	-0.9	6.5	-3.8	7.0	050 32	050 47	0 29	0 29	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
April	985.2	1008.5	958.9	-0.7	1.3	-2.7	5.8	-6.0	11.4	060 34	050 50	0 61	0 61	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
May	993.2	1017.0	974.3	-2.7	-0.7	-4.2	5.5	-9.0	7.2	040 27	060 41	0 65	0 65	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
June	993.0	1013.7	960.7	-5.2	-3.6	-7.4	0.7	-13.2	5.7	060 24	060 35	0 43	0 43	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
July	987.4	1008.4	960.3	-3.4	-1.2	-5.4	4.5	-11.0	9.7	060 37	060 53	0 80	0 80	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
August	1000.7	1029.2	981.5	-9.0	-6.7	-12.4	3.4	-21.6	8.0	020 34	250 48	1 47	1 47	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
September	985.2	1014.2	943.4	-3.7	-1.0	-6.8	3.6	-12.3	9.3	030 36	030 48	2 36	2 36	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
October	995.1	1016.9	962.2	-3.4	-1.2	-5.8	4.4	-15.5	5.6	020 27	040 41	0 55	0 55	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
November	985.3	1004.2	965.9	-2.5	0.8	-3.6	4.2	-7.8	6.3	040 26	040 39	0 42	0 42	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
December	989.6	1004.2	974.7	-0.2	3.1	-1.3	5.6	-5.8	7.7	060 27	060 40	3 673	3 673	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb
YEAR	990.8	1029.2	943.4	-2.3	0.0	-4.2	8.7	-21.6	7.2	060 37	060 53	3 673	3 673	1-10 22-33 ≥34 Total	60 22 4	43 13 4	200 6	47 2		350 43 8	Summer Dec, Jan, Feb

MONTH	HUMIDITY		TOTAL CLOUD AMOUNT			SUNSHINE ¹		PRECIPITATION		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	Visi-bility 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	5.6	81	6.8	8.1	85.1	117.5	21.0	Not recorded	21	12	13					4	4	1	26	
February	5.7	83	7.1	6.0	88.2	81.8	18.8		33	13	14					1	1		25	1
March	5.4	84	7.3	3.6	88.6	26.8	7.5		19	7	17		1			5	5		31	
April	4.6	79	6.9	4.6	84.5	39.4	15.8		16	8	23		2	3	0		2	1	30	
May	4.3	81	6.6	8.1	80.1	8.1	5.0		27	8	20			3	2	2	6		17	1
June	3.5	82	6.5	10.0	77.0	7.6	(9.2)		27	2	23			6	4	1	3		20	
July	4.0	81	7.1	4.0	88.6	6.4	4.7		8	2	22		1	12	7		2	1	29	
August	2.7	80	6.4	13.7	73.7	57.3	25.4		13	2	22		2	10	4		3	1	22	
September	4.2	87	7.2	5.8	86.7	37.0	11.9		12	7	26		1	14	6	2	10	1	25	
October	4.4	89	6.8	7.7	82.1	109.6	25.4		6	4	23		2	5	1	6	6		23	
November	4.8	89	7.3	3.3	90.0	87.9	17.2		43	8	24			6	1	3	8		24	
December	5.7	89	7.2	5.6	89.5	101.0	16.7		62	16	24	2	2			7	12		27	1
YEAR	4.5	84	6.9	6.7	84.6	680.4	16.8		287	89	251	2	11	59	25	31	62	5	299	3

CLIMATOLOGICAL SUMMARY FOR 1972
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 kt	Hourly Record		Number of observations ≥34 kt	Calm	Seasonal frequency of wind direction and speed										
		Highest	Lowest		Max.	Min.	Max.	Min.		Mean deg./kt	Highest deg./kt			Speed kt	North	East	South	West	Variable	Total	Season			
December of the previous year																								
January	993.9	1009.9	975.7	2.0	4.5	0.1	6.3	-2.5	6.2	350	34	350	47	0	50	1-10 11-21 22-33 ≥34 Total	182 44 22 3 248	197 32 3 45 105	42 3 1 105 1	72 31 2 1 631	1 110 27 1 631	Summer Dec, Jan, Feb		
February	989.1	1006.2	974.7	1.1	3.3	-0.6	6.9	-4.6	8.0	350	32	350	44	0	12	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
March	987.8	1005.6	966.0	-0.5	1.6	-2.4	6.4	-6.7	11.2	320	33	350	54	1	9	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
April	982.5	1002.2	955.5	-2.7	-0.4	-5.1	4.1	-9.0	10.8	340	32	340	60	4	5	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
May	991.3	1011.1	967.3	-3.8	-1.4	-6.4	5.9	-14.5	12.9	330	44	330	64	8	8	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
June	992.2	1011.2	964.0	-6.9	-4.9	-9.5	0.8	-16.0	10.3	270	42	280	59	5	3	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
July	984.9	1011.5	952.8	-5.3	-2.5	-8.6	5.4	-14.5	10.3	230	37	270	53	3	12	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
August	996.3	1025.2	971.3	-10.6	-6.8	-14.6	5.5	-26.5	12.5	320	51	320	68	21	12	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
September	981.0	1013.0	945.1	-5.9	-1.9	-9.8	4.6	-19.8	14.3	350	52	350	69	17	7	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
October	992.7	1014.4	957.1	-3.9	-1.1	-6.7	6.0	-20.4	13.6	010	55	010	81	33	19	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
November	981.9	1005.6	958.8	-2.4	0.1	-4.6	4.3	-12.0	12.3	030	43	030	58	7	5	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
December	986.1	999.7	965.8	0.6	3.3	-1.5	9.1	-5.1	9.8	340	36	350	54	2	8	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
YEAR	988.5	1025.2	945.1	-3.2	-0.5	-5.8	9.1	-26.5	11.0	010	55	010	81	101	135	1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714	Summer Dec, Jan, Feb		
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714		Autumn Mar., Apr., May	
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			Winter Jun, Jul, Aug.
																1-10 11-21 22-33 ≥34 Total	118 66 39 10 233	143 61 8 1 212	40 24 1 3 64	67 102 30 3 202	3 55 77 13 714			

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	Visi- bility 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	5.5	79	6.3	10.9	76.2	218.9	32.9	0	Not recorded	8	13							1	21	1	
February	5.1	78	6.2	13.8	80.2	117.2	25.3	0		10	17		1				1		20	2	
March	4.9	83	7.0	6.8	89.1	47.2	13.3	6		7	23		6	5	3		6	1	29	2	
April	4.0	78	6.7	8.3	82.9	20.9	9.4	21		1	24		3	14	9		9	2	21	1	
May	3.8	78	6.1	15.3	72.6	7.1	(7.4)	22		3	19		2	13	5		5	6	21	2	
June	3.0	80	6.3	13.8	75.8	—	—	41			19			14	6	2	4	1	20		
July	3.4	79	6.6	9.3	77.4	9.3	(31.0)	42		2	23			13	8		8	5	23		
August	2.6	81	6.3	13.3	77.4	38.5	21.0	68			19			15	13		11	9	22	2	
September	3.7	85	6.4	13.3	76.7	77.5	26.1	62			21		2	20	10		9	9	19		
October	4.0	83	6.9	8.9	87.9	80.1	18.7	45		3	19		2	7	9	4	10	9	28		
November	4.3	82	7.2	3.7	95.4	94.1	15.8	49		3	28		6	8	4		6	3	26		
December	5.4	85	6.7	9.3	89.9	164.8	22.2	23		5	24		5	3	2	5	8	6	25		
YEAR	4.1	81	6.6	10.6	81.3	875.6	21.5	Max 68		42	249	0	27	112	69	12	77	52	275	9	

CLIMATOLOGICAL SUMMARY FOR 1972
 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 kt	Hourly Record		Number of observations ≥34 kt Calm	Seasonal frequency of wind direction and speed															
		Highest	Lowest		Max.	Min.	Max.	Min.		Mean deg./kt	Gust deg./kt		Speed kt	North	East	South	West	Variable	Total	Season								
December of the previous year.....															10.3	070	31	060	40	0	8	1-10 11-21 22-33 ≥34 Total	23 10 2 35	24.7 172 30 452	69 28 117	56 61	395 271 32 701	Summer Dec., Jan., Feb.
January	996.9	1009.4	987.1	-4.6	-1.6	-8.8	+2.0	-15.1	9.9	100	25	100	30	0	3	1-10 11-21 22-33 ≥34 Total	8 10 2 35	24.7 172 30 452	69 28 117	56 61	395 271 32 701	Summer Mar., Apr., May						
February	991.5	1000.8	971.4	-8.4	-4.8	-13.0	-0.8	-26.7	11.2	080	43	080	53	3	16													
March	993.6	1005.2	978.5	-16.3	-12.0	-22.1	-4.0	-30.8	14.6	080	35	080	42	1	2													
April	995.2	1009.8	978.2	-20.3	-15.8	-26.0	-3.2	-36.4	14.1	090	34	080	44	1	1													
May	990.9	1006.2	971.6	-25.0	-19.8	-31.1	-6.0	-41.6	12.0	060	45	060	64	13	5	1-10 11-21 22-33 ≥34 Total	20 11 1 15	178 218 102 15	102 27 52	128 77 6	728 566 83 4	Winter Jun., Jul., Aug.						
June	993.2	1009.9	969.2	-28.7	-23.8	-35.4	-9.6	-51.7	12.5	080	31	080	39	0	3													
July	999.7	1020.2	980.8	-33.6	-28.4	-39.2	-18.0	-49.9	11.9	080	35	080	42	3	2													
August	994.6	1015.2	972.3	-29.7	-23.4	-35.9	-12.7	-40.7	13.5	070	37	070	44	1	3													
September	989.0	1006.3	966.3	-28.1	-24.1	-33.4	-18.2	-40.2	12.4	080	31	090	39	0	5	1-10 11-21 22-33 ≥34 Total	25 15 2 2	411 253 61 2	133 26 5	159 84 5	728 271 369 68	Spring Sep., Oct., Nov.						
October	986.6	1008.4	970.1	-25.0	-17.7	-29.5	-6.7	-40.6	11.9	050	34	050	45	2	7													
November	983.7	997.8	968.1	-11.1	-7.8	-15.3	-1.6	-27.3	12.9	080	33	080	41	0	6													
December	992.2	1000.4	982.2	-5.2	-1.6	-9.2	+2.3	-11.4	11.3	080	33	080	41	0	4													
YEAR	992.3	1020.2	966.3	-19.5	-15.1	-24.9	+2.3	-51.7	12.3	060	45	060	64	24	57	Total	25	467	68	152	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		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	Visi- bility 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	3.9	88	5.1	25.0	59.7	313.2	42.1	Not recorded		9		2	14	2	5	6		15	4	
February	3.0	89	6.7	9.1	83.2	121.5	19.7	23	66	23	1	8	14	5	2	9	2	21	1	
March	1.6	86	5.6	23.0	64.5	149.3	36.2	39	56	18		1	19	7	6	12	1	18	3	
April	1.2	84	5.7	22.5	67.5	37.7	19.2	49	43	18		7	18	10	6	18	2	17	2	
May	0.9	79	4.2	4.3	45.6	0.0	(0.0)	67	74	16		4	12	6	9	15	3	8	7	
June	0.6	76	4.3	39.6	47.9			69	16	16		17	17	4		4		9	6	
July	0.3	72	3.8	49.2	41.1	Sun below horizon 2 May - 10 August		74	19	13		12	15	2	4	7	1	9	12	
August	0.5	75	3.2	55.6	31.9	40.7	37.8	76	25	9		17	14	5	5	8	1	4	13	
September	0.5	76	5.6	22.5	67.1	116.8	35.2	85	35	19		8	22	7	5	13		17	5	
October	1.0	80	5.2	25.0	61.3	294.3	52.4	85	9	9		7	19	7	5	10	1	16	3	
November	2.4	85	6.8	7.9	87.5	185.2	25.7	100	52	20		9	18	7	7	16		26		
December	3.8	88	4.7	36.7	55.2	363.6	48.9	91	32	12		1	11	4	6	11		14	6	
YEAR	1.6	82	5.1	30.1	59.2	1622.3	36.6	Max 101	414	NIL	182	1	93	193	66	60	129	11	174	62