
FALKLAND ISLANDS AND DEPENDENCIES
METEOROLOGICAL SERVICE

ANNUAL REPORT

for the year

1954

Presented to the Governor

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Annual Report on the Falkland Islands and Dependencies

Meteorological Service 1954.

The Meteorological Service (which was established in 1950) is the official service of the Falkland Islands and Dependencies. It is constituted as an integral part of the Falkland Islands Dependencies Survey (F.I.D.S.), because most of its stations are in the Antarctic Dependencies, but also includes the forecasting stations at Grytviken, South Georgia and at Stanley, in the Falkland Islands. The Headquarters of the service is at Stanley.

The Chief Meteorological Officer is responsible to the Governor for the technical efficiency of the service and seeks advice, as required, from the Director of the Meteorological Office, London. The service is represented in the international field by the appropriate United Kingdom department but the Chief Meteorological Officer deals with routine matters such as the distribution of synoptic and climatic data. General policy is directed by the Governor after consultation, as required, with the Secretary of State for the Colonies.

The general functions of the service are :—

(i) Provision of forecasting services for the whaling fleets operating in the waters of the Falkland Islands and Dependencies.

(ii) Provision of local forecasts in the Falkland Islands for the general public, for shipping and the Government Air Service.

(iii) The organisation of meteorological observations in the Falkland Islands and Dependencies and the broadcasting of this information in the form of collective synoptic messages.

(iv) The collection and publication of climatic data.

(v) Limited investigations into the meteorology of the Falkland Islands and Dependencies area.

The cost of the service is carried on the Falkland Islands Dependencies budget, with an appropriate contribution from the Colony. The estimates for the financial year 1954-55 are shown at Appendix I; these figures cover technical services only, and exclude such items as food, clothing and transport, which are provided by the F.I.D.S. organisation.

2. Forecasting Services

(a) Stanley.

Local forecasts were broadcast for the Falkland Islands at 1515 and 2115 G.M.T. daily for the benefit of farmers and the general public. During the summer season a forecast was also issued in the late evening (0130 G.M.T.) and proved useful, especially to farmers. Information was supplied on request to the Government Air Service, which operates within the Falkland Islands, and forecasts were issued to the following ships while operating south of the River Plate - R. R. S. John Biscoe, S. S. Fitzroy, H. M. Ships Nereide, St. Austell Bay, Bigbury Bay, Vervan Bay and R. F. A. Wave Laird. The 1953-54 pelagic whaling season officially ended on March 18th but the advertised forecast bulletins for ships operating south of 50°S. in the sector 70°-40°W. were maintained until March 25th to allow time for ships to leave the area. Full details of these bulletins, including those issued from South Georgia, are contained in the "Weather Messages" pamphlet issued in 1953. A number of forecasts were supplied to Hope Bay and proved useful in planning sledging operations and other work.

(b) South Georgia.

The advertised forecast bulletins for pelagic whaling vessels in the sector 40°-10°W., south of 50°S., were issued until March 25th. Two local forecasts per day, for the sea area in a radius of 250 miles from South Georgia, were maintained for a further period from March 26th to May 19th for the benefit of shore based whale catchers and other ships. One forecast per day was continued throughout the winter for the maintenance parties left at the shore installations.

In the 1954-55 season, the two local area forecasts were started on October 10th and the three bulletins for pelagic vessels on December 11th. Individual forecasts were supplied to the following ships :— Bralanta, Harpon, Buenos Aires, Orwell, Gauthoid, Struan,

Atheltemplar, Mabel Ryan, Cordoba, Southern Opal, Southern Atlantic, Southern Harvester, Southern Garden and Southern Venturer.

3. Reporting Stations

Full synoptic reporting stations were maintained at Stanley, Grytviken, Signy Island, Admiralty Bay, Deception Island, Argentine Islands and Hope Bay. Observations were taken at three hourly intervals and pilot balloon ascents were made whenever possible. All synoptic reports and the results of all pilot balloon ascents were transmitted to Stanley in three radio schedules daily but reports for intermediate hours were not included in the collective messages broadcast from Stanley for the benefit of other services. The broadcasts (FICOLS) were made at 1300, 1900 and midnight G.M.T., the 0600 G.M.T. synoptic reports being included as retards with the 1200 G.M.T. reports in the 1300 G.M.T. transmission.

All stations were fully equipped and each carried at least one observer seconded from the British Meteorological Office. A limited programme of two observations per day was maintained by a member of the Ionospheric staff at Port Lockroy but observations were not collected by radio for inclusion in the collective broadcasts (FICOLS). Observations were also taken on sledge journeys from Hope Bay and regular three hourly observations were made for several months at View Point, about 16 miles southwest of the main Base, in Duse Bay. These observations were included in FICOL messages when available, using the "Ship" code (FM 21) and the prefix "Sledge Ship". However, radio communications between the sledge parties, View Point and the main Base at Hope Bay proved unreliable and only a small percentage of observations could be collected. A climatological station was also maintained by the two biologists working at the Bay of Isles, South Georgia. The equipment for this station was loaned by the British Meteorological Office.

Subsidiary stations were maintained in the Falkland Islands at Fox Bay, Pebble Island, West Point Island and Darwin. Observations at these stations were made by part-time observers who maintained a high standard of work. The reports were invaluable for briefing the local air service and observations were taken with sufficient regularity to form the basis of monthly and annual climatological summaries.

A Radio Sonde station was opened at Argentine Islands on July 1st, and regular daily ascents were made for 1500 G.M.T. until hydrogen supplies ran low at the end of November. Results were transmitted to Stanley at 1800 G.M.T. and were included in the FICOL broadcast made at 1900 G.M.T. each day. No special difficulties were encountered, although the balloon launching tower could not be erected before the winter and only a small temporary balloon filling shelter was available. With the introduction of the Radio Sonde Unit, the entire station at Argentine Islands was rebuilt at a point about 800 yards from the old site. Synoptic observations were taken simultaneously at both points for one month to establish whether there were any important local differences and the new site was used for the purpose of returns and synoptic reports from May 1st.

4. Ship Reports

(a) Vessels registered in the Falklands, visiting H.M. Ships and Auxiliaries.

Full synoptic reports were received from S.S. Fitzroy and R.R.S. John Biscoe, when at sea; also from H.M. Ships and fleet auxiliaries, when operating to and from the Falkland Islands. A number of reports were received, via the station at Grytviken, from tankers and supply vessels *en route* to or from South Georgia. All available reports were included in FICOL collective messages broadcast from Stanley.

(b) Whaling Vessels 1953-54 Season.

Cape Town transmitted collective messages of whaling ship reports throughout the season at 0500 G.M.T. and 1415 G.M.T. on 17165 kc/s. A W/T operator was rarely available at 0500 G.M.T., when signals were also rather weak, but the 1415 G.M.T. was received regularly until the transmissions ceased on March 26th. In accordance with resolution 24 (EC-III) of the Executive Committee of the World Meteorological Organisation, at the 3rd Session (9th - 24th September 1952), the ship reports were encyphered in a special code which was available to interested meteorological services. In general the codes worked well but the use of encyphered positions and the absence of call-signs or other means of identifying ships meant that errors in coding or reception of the position groups had more serious effects than would otherwise have been the case. A total of about 2450 reports were received from January 1st - March 26th, more than a quarter of which came from the Stanley and South

Georgia forecast areas. However, over 90% of the reports were more than eighteen hours old on receipt and had therefore lost some of their value for forecasting purposes. The South African authorities included Tristan da Cunha observations with the whaling collective messages at the request of this Service and the reports were most useful.

(c) Whaling Vessels 1954-55 Season.

The same procedure was adopted for the collection and retransmission of whaling ship reports as in the previous season, but the 1415 G.M.T. transmission from Cape Town was advanced to 1230 G.M.T. for the benefit of this service and reports from Tristan da Cunha were again included. Broadcasts commenced on November 25th and over 650 reports had been received by the end of the year, of which about 10% came from the Stanley and South Georgia forecast areas. Parts of the South African broadcasts were occasionally missed due to overlapping with the routines for collection of observations from our Antarctic Bases. This difficulty was overcome by the introduction of earlier schedules to collect Bases 0300, 0600, and 0900 G.M.T. returns, although schedules with ships at sea in the Falklands area still coincided occasionally with the South African broadcast. Of the 650 reports received, about 80% were more than eighteen hours old and a total of 59 came from the Stanley and South Georgia forecast areas.

5. Communications

In Stanley all meteorological messages except those from the Falkland Islands outstations, were handled by two wireless operator/meteorological assistants.

Eight synoptic messages were collected daily from the main Antarctic stations and South Georgia, in the three routines at 1200, 1800 and 2300 G.M.T. The results of pilot balloon ascents were included when available and, from July 1st to the end of November, the Argentine Islands "Temp" message was collected with the 1800 G.M.T. synoptic observations. Monthly Climate messages were also received. Communications with the Antarctic Bases and South Georgia were very reliable and difficulties were confined to the 2300 G.M.T. schedules near Midwinter.

In addition to normal synoptic and administrative traffic, the W/T section also handled 35,000 groups in private letter telegrams addressed to Bases. These telegrams were received as air letters from friends and relatives of Bases personnel and up to 200 words per man were transmitted free each month. A similar service of 100 words per month in the opposite direction was introduced in October so that messages could be received from Bases for onward transmission by air letter.

Observations from the Falklands outstations and plain language reports from farms were collected throughout the year by the Government R/T operator. These messages were received during the normal schedules during the summer but a special routine was introduced for the winter, after Stanley local time changed, so that reports could still be available in time for the FICOL broadcast at 1300 G.M.T.

Synoptic data for the four main hours and daily upper air data from Argentine Islands and the Air Ministry Radio Sonde Unit in Stanley were transmitted in the FICOL collective broadcasts as follows :—

January 1st to April 30th, September 1st to December 31st.

Contents (Times G.M.T.)	Time of transmission G.M.T.	Transmission Frequencies	
		Main (kc/s).	Second (kc/s).
0600, 1200, Synops. } 1500 Mesran Temps. }	... 1300	16362	7425
1800 Synops, 1500 Temps. ...	1900	8195	11450
2300 Synops. ...	2400	8195	7425

May 1st to August 31st.

0600, 1200 Synops. ...	... 1300	16362	7425
1800 Synops., 1500 Temps. ...	1900	8195	11450
2300 Synops. ...	2400	3600	5100

The forecast bulletins issued from Stanley for the whaling fleets, were also sent on two frequencies simultaneously as follows :—

Time (G.M.T.)		Main Transmission		Second Transmission
0200	...	8195 kc/s.	...	7425 kc/s.
1500	...	8195 "	...	7425 "
2100	...	8195 "	...	7425 "

Local area forecasts were issued on 3700 kc/s throughout the year, including the third transmission which was made at 2130 L.M.T. (0130 G.M.T.) until March 30th.

The main transmissions of FICOLS and the forecast bulletins for whalers were made on a Marconi Standard transmitter, at Radio Falklands (VPC), with a power output of about $3\frac{1}{2}$ kw. The secondary transmissions were made from the Meteorological Office, Stanley, (ZHF88) on a R.C.A. transmitter type ET 4336B with a power output of about .350 kw. All broadcast transmissions were automatic. The frequencies used for the FICOL broadcasts were chosen with the first object of providing reliable reception in Rio de Janeiro and Simonstown but frequencies chosen for the former should prove equally suitable for Buenos Aires, Montevideo, and Santiago. Requests for reception reports were addressed to the President of Region III in Brazil, and to the South African Weather Bureau. The latter reported that reception of the 1300 G.M.T. transmissions was satisfactory but only about half the midnight G.M.T. broadcasts and very few of the 1900 G.M.T. broadcasts were audible. In the course of preliminary enquiries the Ionospheric station suggested that unusually high absorption may have been responsible for some of the difficulties reported by South Africa, but the sun spot minimum probably occurred late in 1954 and rather higher transmitting frequencies should therefore be practicable for the next three or four years. This is being investigated.

South Georgia reported consistently good reception of FICOLS and whaling bulletins from Stanley and no difficulty was ever experienced on these frequencies when communicating with R.R.S. John Biscoe and H.M. Ships in the area during the summer. It is therefore assumed that reception is satisfactory for whaling ships in the area.

At South Georgia, the issue of forecasts was undertaken by the Government W/T station (ZBH) and the transmissions at 0215, 1515 and 2115 G.M.T. were all made on the two frequencies 500 and 8747 kc/s, with a power output of .800 kw.

The Argentine (LSV) and Chilean (CCS) national broadcasts, containing the synoptic data for 1200, 1800 and 2300 G.M.T., were received regularly both in the Falklands and South Georgia. The 12 mc/s transmission of both countries were almost always audible during the summer, apart from occasions of exceptional fading; but reports from the Commodoro Rivadavia and San Julian areas were not always included in the main LSV collective broadcasts and this might suggest that Buenos Aires was experiencing difficulty in receiving these local broadcasts. The latter are transmitted on medium frequencies only and can rarely be heard in the Falklands.

The 12 mc/s transmissions of both countries were rarely audible after dark in the winter. During this period, the LSV second channel transmission on 6 mc/s proved very useful but CCS, which transmitted on 12 mc/s only, was hardly ever received. With only two wireless operators it was not possible to receive synoptics regularly from further afield. Transmissions from South Africa, Australia and New Zealand were listened for on occasions during the summer, when an extra wireless operator was available and it seems likely that only those from South Africa could ever be heard regularly in the Falklands.

6. Climatological and other Records

Detailed monthly returns were prepared at all main synoptic stations. These were based primarily on the eight 3-hourly synoptic observations but depended for detail on a continuous watch, day and night, which was maintained at most stations. Detailed extracts were telegraphed to the headquarters office in Stanley each month. In addition to the monthly and annual extracts made in previous years, stations also prepared frequency analyses of various elements.

The Annual Meteorological Tables for 1953 included frequency tables similar to those introduced for main synoptic stations in July. The publication was therefore twice the size of previous issues and the Government Printing Office, which already had considerable arrears of work, were unable to complete the printing before the end of the year. Upper Air data for Stanley were again included with the permission of the Director, Meteorological Office, London.

The Daily Weather Report, which was temporarily discontinued in June 1953 due to lack of printed forms, was reissued from January 1st but a further break occurred from March to May through shortage of trained staff in Stanley. The Report was issued for the remainder of the year and the results from the radio sonde unit at Argentine Islands were enclosed on a separate sheet. A new form was designed and printed ready for use in 1955. This provided for two radio sonde ascents each day and also for the inclusion of eight 3-hourly synoptics for all stations. The maps for 1200 G.M.T. will be printed separately from the data, so that the two sections of the Report can be issued separately if necessary. A number of manuscript D.W.R.'s and other original records were loaned to the Southern Hemisphere Chart Project at the South African Weather Bureau, so that work would not be held up for lack of the Falklands data.

J. Pepper, M.A., Ph.D. completed his discussion of the 1944-50 synoptic data and, by March, all the copy for the book "The Meteorology of the Falkland Islands and Dependencies 1944-50" was in the hands of the printers who were, however, unable to complete it before the end of the year. A. W. Mansfield and S. D. Glassey were retained in London for a short period to complete a synoptic paper under the supervision of Dr. Pepper.

A list of publications issued during the year is shown at Appendix III.

7. Organisation

No important changes were made in the general organisation (see para. 1) but several were considered and may have to be implemented if the present staff shortages continue. Changes were also proposed for the collection of synoptic data from the Antarctic stations and are under consideration for 1955. The responsibility for meteorological duties at larger Bases, where there are other programmes to be carried out, is also to be placed more directly under the control of the Base Leader so that he is better able to co-ordinate all the work of his station.

Preparations were made during the year by the F.I.D.S. to implement a programme of scientific work allied to meteorology which was first approved in 1953. This programme will involve regular measurements of solar radiation, atmospheric ozone and the geomagnetic field. A physicist was recruited in November 1953 and was attached for a period to the F.I.D.S. Scientific Bureau which provided the liaison between the British Meteorological Office and other agencies who assisted in assembling the equipment. The work is expected to start at Argentine Islands during 1955 and results will be published in due course either in the publications of this service, the Scientific Bureau or through some recognised international agency.

The Chief Meteorological Officer visited all Antarctic Bases and South Georgia in R.R.S. John Biscoe during the early part of the year and an assistant from the headquarters office at Stanley visited West Point Island to overhaul equipment.

8. Staff

Improved rates of pay were introduced in January for assistants serving in Stanley but there was again a serious shortage of trained and experienced staff throughout the service and it was especially difficult to find observers with sufficient experience to control the work at the Antarctic Bases. Ten of the twenty observers at Bases had served previously with the British Meteorological Office but the remainder had little or no previous experience, although four received brief training courses in London and three in Stanley. Four of the six assistants at Argentine Islands were experienced radio sonde operators so that this aspect of the work was well provided for. The meteorological staff in Stanley and South Georgia were all obtained from the British Meteorological Office but two from Stanley were transferred to the Antarctic Bases to maintain a nucleus of trained staff at all stations. Replacements proved almost impossible to obtain and one assistant, who had been trained in Stanley for an Antarctic Base, was eventually retained to keep up the establishment. A second assistant was obtained from the British Meteorological Office only after repeated advertisement over a period of eight months and, meanwhile, the position was filled by retention of staff *en route* to or from the Antarctic Bases. The forecaster completed his contract in April. No relief came forward from the British Meteorological Office in spite of repeated advertisement during 1953, but the post was adequately filled by an honours graduate who had been originally recruited for service as an observer at the Antarctic Bases and who was trained locally from July 1953 to March 1954.

Four new assistants were recruited for Antarctic Bases early in June and were posted to Stanley for training. Two other assistants, who arrived in October were given a short period of training.

The radio section in Stanley was staffed by two locally-entered wireless operator/meteorological assistants. No difficulties were experienced in this field and absences for leave were covered by W/T operators *en route* to or from the Antarctic Bases. Two apprentices were recruited locally in June and had made good progress in both radio and observing duties by the end of the year. Thus, some progress was made towards building a staff of assistants who could combine both these duties.

Staff serving during the year are listed at Appendix II.

9. Instrumental Equipment

All supplies were handled by the Crown Agents for Oversea Governments and Administrations with the help and advice of the British Meteorological Office from whom much of the equipment was purchased. There were no important shortages of equipment but a number of items, which were assumed to be available from the British Meteorological Office, had to be purchased from the Trade and costs were appreciably higher than estimated.

Specially designed battery-driven power supply units were obtained to drive the wind direction and dewpoint recorders at Hope Bay and Deception Island. Large 50-amp battery chargers were also obtained to maintain the battery banks. Tests were made in Stanley with a dewpoint recorder, using the same principle as the American Dewcel. This was exposed in a new design of screen which also housed a distant reading thermograph bulb and hair hygrometer in a separate compartment thermally insulated from the dewcel. The inlet and exhaust vents were built from standard pipe fittings and fitted with wind vanes so that the vents always face away from the wind. By this means it is hoped to exclude snow from the screen. Ventilation is provided by convection from the heated dewcel and incoming air passes the dry bulb and hygrometer before entering the dewcel chamber. Prototype screens are to be built for Deception Island, Hope Bay and Argentine Islands for test during 1955. The latter station is to have continuous mains power and the opportunity will be taken to operate both the dew point and wind direction recorders free from the complications of battery power.

Wind speed recording and integrating equipment was installed on Sapper Hill, near Stanley in March. The equipment is to be operated for at least twelve months to determine whether the site would be suitable for the large scale generation of electricity from wind power. The tests are being made in conjunction with the British Electrical and Allied Industries Research Association. Preliminary indications are that the wind speeds are substantially greater than at the meteorological office itself and a considerable gain in wind power should therefore be obtained at the hill top site.

The new base hut erected at Argentine Islands incorporated a specially designed meteorological office, which is to be incorporated as a standard unit in all new base buildings.

10. International Co-operation

Copies of the Daily Weather Report (see paragraph 6) were sent to the Southern Hemisphere Project operated by the South African Weather Bureau throughout the year. The Reports were also supplied to the project operated by the United States Weather Bureau until this closed down due to lack of funds. Abbreviated versions of the daily upper air ascents from Stanley and Argentine Islands were transmitted on the following morning, in the MESRAN code, for the South African Weather Bureau. The latter service also reported that the Argentine Meteorological Service had experienced difficulty in receiving the collective broadcasts of whalers reports issued from South Africa in 1952-53 and 1953-54. Arrangements were therefore made to rebroadcast these messages from Stanley during the 1954-55 season, since it seems likely that they may be required in connection with a forecast service for whalers which the Argentine Meteorological Service are understood to be contemplating.

APPENDIX I

Provision in Dependencies Estimates for Meteorological Services July 1954 - June 1955

HEADQUARTERS					£
Head 4A	Personal Emoluments	...	...	...	7,272
.. B	Stores, Equipment etc.	...	...	...	2,305
.. C	Special Expenditure (including publications)	...	...	...	1,997
Total Headquarters Expenditure					£11,574
SOUTH GEORGIA					
Head 1A	Personal Emoluments (Meteorological Staff)	...	...	...	2,077
.. B	Meteorological Equipment	...	...	...	300
Total South Georgia Expenditure					£2,377
ANTARCTIC REPORTING STATIONS					
Head 5A	Personal Emoluments (Meteorological Staff)	...	...	...	12,220
.. B	Meteorological Equipment etc.	...	...	...	5,300
.. C	Special Expenditure (including experimental equipment, and equipment for new bases)			900	
Total Antarctic Bases Expenditure					£18,420
Total Expenditure — Dependencies					£32,371

Provision in Colony's Estimates for Meteorological Services April 1954 — March 1955

Head VIII (a)	Personal Emoluments, part-time observers	...	...	100
.. (b) 2	Contribution towards cost of Headquarters	...	...	1,050
.. (b) 3-5	Stores, Equipment etc.	...	...	184
Total Expenditure — Colony					£1,334
GROSS TOTAL					£33,705

APPENDIX II

Staff List - 1954

STANLEY

Chief Meteorological Officer	—	G. A. Howkins
Deputy and Radio-Sonde	—	D. McNaughton
Forecaster	—	{ S. D. Glassey (till April) D. M. Lang
Senior Assistant	—	J. Ford
Climatological Assistant	—	P. H. Hoare
° Assistants	—	B. E. Gilpin F. A. Hall R. F. Worswick (till July)
° W/T Operator/Met. Assistants	—	J. Newing C. H. McLeod
Clerk	—	I. U. Sedgwick (Miss)

° A number of assistants and wireless operators served in Stanley for short periods on their way to or from Antarctic Bases.

SOUTH GEORGIA

Forecaster-in-Charge	-	D. Borland
Senior Meteorological Assistant	-	J. R. Cowling
Assistants	-	J. Cochrane
	-	D. S. Hosie

DECEPTION ISLAND

Base Leader/Meteorological Assistant	-	G. E. Hemmen
Senior Meteorological Assistant	-	D. Parsons
Meteorological Assistant	-	L. J. Shirtcliffe

HOPE BAY

Senior Meteorological Assistant	-	A. F. Lewis
Meteorological Assistants	-	G. H. Brookfield
		I. W. N. Clarke
		R. C. Mottershead
		A. Precious

ARGENTINE ISLANDS

Senior Meteorological Assistant	-	A. Graham
Meteorological Assistants	-	R. J. Banks
		F. D. Byrne
		E. M. P. Salmon
		I. H. Simpson
		A. B. N. Widgery

ADMIRALTY BAY

Base Leader/Senior Meteorological Assistant	-	D. J. George
Meteorological Assistants	-	G. C. Rumsey
		R. L. Tapp

SIGNY ISLAND

Base Leader/Meteorological Assistant	-	H. Smith
Senior Meteorological Assistant	-	A. A. Smith
Meteorological Assistant	-	P. A. Cordall

FALKLAND ISLANDS OUTSTATIONS — (voluntary observers)

Darwin	-	D. M. Honeyman
Fox Bay	-	E. H. Smith
Pebble Island	-	J. W. C. Peck
West Point Island	-	H. M. Napier

APPENDIX III

Publications issued during 1954

1. Daily Weather Report (excepting March, April and May).
2. Annual Meteorological Tables, 1953.
3. Annual Report on the Service for the year 1953.

FALKLAND ISLANDS AND DEPENDENCIES
METEOROLOGICAL SERVICE

Annual Meteorological Tables
1954

FALKLAND ISLANDS AND DEPENDENCIES
METEOROLOGICAL SERVICE

Annual Meteorological Tables
1954

*Prepared in conjunction with
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Stanley, Falkland Islands, 1956.

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STATION	NUMBER	POSITION		BAROMETER M.S.L. (ft.)	PAGES
		Latitude	Longitude		
Stanley, Falkland Islands	88890	51° 42' S.	57° 52' W.	173	1 - 46
Grytviken, South Georgia	88903	54° 16' S.	36° 30' W.	8	47 - 59
Signy I., South Orkneys	88925	60° 43' S.	45° 36' W.	72	60 - 72
Hope Bay, Grahamland	88940	63° 24' S.	56° 59' W.	170	73 - 84
Admiralty Bay, South Shetlands	88934	62° 03' S.	58° 24' W.	58	85 - 96
Deception I., South Shetlands	88938	62° 59' S.	60° 34' W.	26	97 - 108
Argentine Is., Grahamland	88952	65° 15' S.	64° 16' W.	11	109 - 137

Introduction

This series of tables, which commenced with the data for 1951, is published annually to meet the demand from contemporary expeditions and various research organisations. The tables published for 1953 have been retained in the same form in this issue, apart from minor modifications; but several additional tables are now included.

The modifications made to the 1953 tables are :—

- (a) Rainfall (see Note 1). The amount of rainfall recorded at 1200 G.M.T. is *not* thrown back.
- (b) Frequency Table II and Upper Air Frequency Tables I to VI (see Note 4). Temps of O·O°F or O°F are entered alternately as O+ and O-. This enables totals to be more easily checked.

The new tables introduced in this issue are :—

SURFACE OBSERVATIONS

Relative Humidity Frequency in 5% ranges.

Rainfall Amounts Frequency (Stanley, Grytviken, Signy Island only).

UPPER AIR OBSERVATIONS

All tables for Argentine Islands for July to October inclusive.

Mean heights above sea level of standard pressure levels.

Publication of a current Meteorological Gazetteer has been delayed, but most of the details included in "The Meteorology of the Falkland Islands and Dependencies 1944-1950" by Dr. J. Pepper, M.A., Ph.D., are still applicable.

Notes on the Tables

Surface Observations

1. For climatological purposes, the day is taken to be from 0001 to 2359 Zone Time. All Stations take observations every three hours at fixed G.M.T. synoptic hours 0001, 0300, 0600, 0900, 1200, 1500, 1800, 2100 but, for climatological purposes, these are recorded in Zone Time, which is G.M.T. -4 for all stations except Signy Island (G.M.T. -3) and Grytviken (G.M.T. -2). Thus, at most stations, the first observation of the day is 0200 hours (0600 G.M.T.) but at Signy Island it is 0001 hours (0300 G.M.T.) and at Grytviken 0100 hours (0300 G.M.T.).

Maximum, and minimum temperatures are read twice daily, at the synoptic hours closest to 0900 and 2100 Zone Time (*i.e.* 1200 and 0001 G.M.T. for all stations), and the day, for these purposes, ends at midnight G.M.T.

Thus, the terms "day" and "daily" are used in the tables to imply 24 hours in one of the two senses defined above.

MEANS AND EXTREMES TABLES I AND II.

2. Daily means of pressure, temperature, relative humidity, cloud amount and wind speed are based on observations at all hours.

3. Extreme pressures are taken from observations at all hours.

FREQUENCY TABLE II.

4. Each column covers two Fahrenheit degrees *e.g.* the column headed 29 (positive) includes all observations from 28.0 to 29.9°F inclusive. Cases of 0.0°F or 0°F are entered alternately as 0+ and 0-. This also applies to the relevant upper air frequency tables.

FREQUENCY TABLE III.

5. In these relative humidity is calculated with respect to water at all temperatures.

FREQUENCY TABLE IV.

6. Visibility. The lower limit of each range is included but not the upper *e.g.* 2km. is included in the range 2-4km.

7. Cloud Heights. This is concerned primarily with lowest significant cloud (international definition) but clouds above 6000 metres are also included and, with effect from January 1953, traces of cloud existing below greater amounts have been disregarded in favour of the next highest layer. The occasions when traces are disregarded are shown in the last column of the summary.

The lower limit of each height range is included, but not the upper, and the summary is in two sections - *All Amounts* and *7-8 oktas*. Entries in ordinary print refer to the height of the lowest layer of significant cloud. Additional entries are made (in parenthesis) whenever *low* cloud (below 2400 metres) occurs at more than one level. These additional entries refer the total amount of low cloud to the height of the main layer. *Middle* cloud is occasionally observed at Antarctic stations, below 2400 metres; it is then counted as *low* cloud for the purposes of this summary.

FREQUENCY TABLE V.

8. Days of abnormal maximum and minimum temperatures. These entries are intended to pick out days of abnormally high or low temperature. A day of high minimum is a day when the temperature is continuously above the specified figure, and a day of low maximum when it is continuously below the specified figure, throughout the twenty-four hours. The limits for the various stations are as follows:—

	STANLEY	GRYTVIKEN	ALL OTHER STATIONS
High minima	> 50°F.	> 41°F.	> 32°F.
Low maxima	< 32°F.	< 23°F.	< 5°F.
Low minima	< 23°F.	< 14°F.	< -4°F.
High maxima	> 68°F.	> 59°F.	> 41°F.

9. A *day of wind speed* => *Beaufort force 6 (or 8)* is defined as a day on which the mean wind (not the extreme wind in gusts) reached or exceeded this figure at any of the eight hours of observation. All days of Force 8 are also contained in Force 6.

10. A *day of rain, snow, sleet, drizzle, showers, thunder, fog or hail* is a day on which an occurrence was observed at the station, at any time of the day. Ice needles are counted as snow.

11. A *day of cloudy* is a day on which the total amount of cloud for the 1200, 1800 and midnight G.M.T. observations added together equals or exceeds 20 oktas.

A *day of clear* is a day on which the total cloud amount for the 1200, 1800 and midnight G.M.T. observations added together is equal to or less than 4 oktas.

12. A *day of snow lying* is a day on which, at 1200 G.M.T., half or more of the ground in the vicinity of the station is covered with snow. This is recorded at Stanley and Grytviken only.

13. A *day of ground frost* is a day when the night time grass minimum temperature (read at 1200 G.M.T.) is 30.4°F. or less. This is recorded at Stanley only.

14. A *day of drift* is a day when drifting snow occurs at any time of that day, regardless of the intensity or height of the drift.

15. A day with showers is entered under the shower column and also under the appropriate hydrometeor (*i.e.* rain, snow, sleet or hail).

16. Fog is recorded whenever the visibility is less than 1100 yards from any cause whatsoever. Days of fog are subdivided into either 'true' fog, which is fog caused primarily by water droplets or ice particles in suspension; or 'pseudo' fog, which includes all other occasions of visibility less than 1100 yards. 'True' fog is selected in preference to 'pseudo' fog. Not more than one entry is made for any one day.

17. Hail is subdivided into :—

Soft Hail and Granular Snow *i.e.* crisp easily compressible white opaque grains.

Small Hail and Ice Pellets *i.e.* hard transparent ice grains.

'Real' Hail *i.e.* grains with a recognisable multi-layered structure having at least one layer resembling granular snow and one layer resembling ice pellets.

Where more than one type occurs on the same day, selection is made in the following order of preference: 'Real' hail, 'Small' hail, 'Soft' hail. Not more than one entry is made for any one day.

18. Days of freezing rain and drizzle and days of ice crystal fog are included in the main entries under these columns.

Upper Air Observations

STANLEY.

19. The observations are made by an Upper Air Unit of the Meteorological Office, Air Ministry, London. The British radio-sonde system is used, in which pressure, temperature and relative humidity are measured by variable audio-frequency modulation of a carrier signal of constant frequency. The sonde in use is known as the Kew Mk. II. B.

20. The wind measurements are made by means of an Army (G.L. III) radar set, modified for use by the Meteorological Office. This set tracks a reflector attached to the radio-sonde balloon and gives its position in terms of range, azimuth and elevation at fixed intervals of time (normally 1 minute) the time scale being common to radar and radio-sonde. The maximum range of the equipment in its present modified form is 96,000 yards.

21. The observations are made daily for 1100 Zone Time (1500 G.M.T.) the time of release normally being 1000 Zone Time (1400 G.M.T.). Almost all ascents are released within a few minutes of this time, but operational difficulties (such as strong winds) occasionally delay the release for periods up to about an hour. In very unusual circumstances the delay may be even longer, but in no case does it exceed 3 hours.

22. In the original extractions heights above Mean Sea Level were entered in tens of feet at levels up to 800 mb. and in hundreds of feet at 700 mb. and above. The means printed in the tables are based on these figures. The frequency tables for levels up to 800 mb. show heights in tens of feet grouped in 50 feet ranges while those for 700 mb. and above are in hundreds of feet.

ARGENTINE ISLANDS.

23. Here the sonde in use is also the Kew Mk. II. B. but there is no radar set. Balloons are followed by theodolite.

MEANS AND EXTREMES TABLE I and II.

24. The Tables show the number of observations on which means etc. are based. All ascents used in the tables reach 400 mb. and humidity data (which are shown with respect to water at all temperatures) are available on all occasions up to 500 mb. unless otherwise noted. Owing to the inaccuracy of the humidity element at low temperatures, values of humidity are not reported if the temperature falls below -40°F. For this reason no means of dew point are given in the summaries for levels of 300 mb. and above. They are quoted for 400 mb. where a comparison between the number of observations of air temperature and dew point gives an indication of the degree of validity of the dew point means at that level.

25. The tables show the mean pressure and temperature at the tropopause for each month in the year. The definitions for determining the tropopause are those in use in the Meteorological Office, Air Ministry, London. *i.e.*

- | | |
|----------|--|
| Type I | An abrupt change of lapse rate to inversion; the tropopause is taken as the point of change of lapse rate. |
| Type II | An abrupt change to a lapse rate of less than 1°F per 1,000 ft. (without inversion); the tropopause is taken as the point of change of lapse rate. |
| Type III | If there is no abrupt change the tropopause is taken as the point where the lapse rate for the 3,000 ft. above is 3°F per 3,000 ft. or less, provided that this value is not exceeded in any 3,000 ft. above this level. |

In the tables no distinction is made between different types of tropopause. Where two tropopauses were reported, the lower has been used.

Means and Extremes Table I for Stanley, Falkland Islands, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN ¹ DAILY		EXTREMES			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	995.7	1014.5	5th	976.5	10th	42.0	42.4	47.1	50.2	49.8	47.8	44.6	43.2	45.9	53.6	39.5	69	31st	34	2nd
February	998.1	1015.9	9th	962.2	23rd	44.7	44.7	50.0	53.7	52.9	50.5	47.3	45.6	48.7	57.1	42.0	65	3rd, 10th	33	27th
March	1003.4	1023.2	26th	973.0	11th	43.1	43.5	46.0	50.1	50.8	48.0	44.3	43.4	46.1	53.5	40.4	64	31st	33	24th
April	1005.8	1021.4	24th	984.9	9th	41.4	41.5	42.9	47.3	48.5	44.5	41.9	41.2	43.7	50.5	38.7	60	1st, 2nd	32	10th, 11th
May	1002.8	1025.7	4th	984.2	19th	39.0	39.2	38.8	41.2	41.9	39.8	39.1	39.0	39.7	43.5	35.6	50	4th	27	29th
June	1009.8	1024.9	28th	991.0	18th	34.8	34.9	35.1	36.4	37.4	35.7	35.4	35.1	35.6	38.9	32.1	47	23rd	25	9th, 10th
July	1001.3	1023.6	3rd	973.3	16th	35.2	35.3	35.8	38.0	39.2	36.8	35.6	35.4	36.4	40.5	32.0	47	29th	25	18th, 19th
August	1001.0	1030.2	26th	975.0	21st	34.7	33.3	34.1	37.1	37.7	35.8	34.9	34.1	35.2	39.4	30.6	47	6th	23	23rd
September	1004.3	1034.7	28th	968.6	7th	34.6	34.1	36.1	39.0	39.4	37.5	35.1	34.5	36.3	41.5	31.2	49	22nd	25	8th
October	1007.5	1023.6	9th	987.0	16th	37.4	37.4	41.9	46.0	46.3	43.8	39.3	38.3	41.3	48.5	35.4	58	31st	29	9th
November	1002.5	1017.8	1st	985.1	23rd	41.4	41.6	46.7	49.0	48.9	46.5	43.0	41.7	44.9	52.9	38.9	67	5th, 6th	34	21st, 22nd 23rd, 24th
December	1000.0	1017.9	17th	981.9	2nd	41.9	43.0	46.8	48.5	48.1	46.3	44.1	42.5	45.1	51.4	39.5	58	10th	32	17th
Total	12032.2	12273.4	—	11742.7	—	470.2	470.9	501.3	536.5	540.9	513.0	484.6	474.0	498.9	571.3	435.9	681	—	352	—
Mean	1002.7	1022.8	—	978.6	—	39.2	39.2	41.8	44.7	45.1	42.7	40.4	39.5	41.6	47.6	36.3	56.7	—	29.3	—

Means and Extremes Table II for Stanley, Falkland Islands, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000		2300	REC.					EST.*
January	88	87	77	69	71	77	82	86	80	6.0	6.2	6.4	6.4	6.3	6.1	5.6	5.4	6.1	7.5	—	16.1	90.0	21.3	21st
February	85	85	78	68	71	76	82	84	79	4.9	5.7	5.6	6.1	6.1	6.1	5.7	5.0	5.7	6.3	—	14.5	45.2	6.4	8th
March	88	88	83	71	69	73	85	88	81	5.0	6.0	5.4	6.1	5.7	5.7	4.5	4.0	5.3	6.2	—	12.5	32.1	5.8	28th
April	88	89	88	78	73	83	90	88	85	4.8	5.5	6.0	5.4	5.1	5.1	3.7	5.0	5.1	5.0	—	10.5	20.5	4.6	28th
May	92	90	93	87	86	91	93	93	91	6.7	6.6	6.7	6.5	5.9	5.8	5.2	5.7	6.1	2.3	—	8.8	119.0	<u>32.5</u>	<u>8th</u>
June	92	93	91	91	90	94	94	94	92	5.0	5.2	6.5	6.7	6.5	5.7	5.4	5.4	5.8	1.7	—	7.9	39.9	8.1	14th
July	93	93	92	88	85	93	93	93	91	5.0	5.8	6.4	6.2	5.7	5.4	3.9	4.7	5.4	2.4	—	8.3	40.0	6.5	19th
August	91	93	90	84	84	89	89	89	89	5.1	5.0	5.9	6.0	6.3	5.7	4.5	4.4	5.4	1.8	—	9.7	46.1	10.7	27th
September	91	91	89	81	76	81	89	93	86	5.1	5.6	6.2	6.8	6.5	6.1	5.1	5.8	5.9	3.6	—	11.7	35.1	7.5	25th
October	93	92	83	70	70	76	87	91	83	4.8	5.5	5.6	5.4	5.8	5.5	4.2	4.5	5.2	6.1	—	13.7	43.4	31.5	12th
November	91	90	76	72	72	79	88	90	82	5.5	6.0	6.0	6.0	6.0	5.9	5.6	5.1	5.8	6.7	—	15.6	56.3	10.6	24th
December	91	91	81	78	78	82	88	92	85	5.5	6.1	6.6	6.9	6.4	6.8	6.4	5.7	6.3	5.5	—	16.6	75.6	16.1	10th
Total	1083	1082	1021	937	925	994	1060	1081	1024	63.4	69.2	73.3	74.5	72.3	69.9	59.8	60.7	68.1	55.1	—	145.9	643.2	161.6	—
Mean	90	90	85	78	77	83	88	90	85	5.3	5.8	6.1	6.2	6.0	5.8	5.0	5.1	5.7	4.6	—	12.2	53.6	13.5	—

* No exposure effect.

Frequency Table I for Stanley, Falkland Islands, 1954.

MONTH	M.S.L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																				
	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	1040.0	1045.0	1050.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9	1044.9	1049.9	1054.9
January						6	8	32	81	56	41	13	11								
February			1	4	4	11	15	14	25	29	56	30	29	6							
March					2	2	6	15	27	36	54	35	29	31	11						
April							1	9	14	40	45	46	46	31	8						
May								5	18	59	42	19	31	32	14	26	2				
June									5	22	34	60	49	56	14						
July					7	3	3	10	50	42	34	44	35	10	10						
August						5	4	31	45	44	34	19	44	8	4	8	2				
September			2	2	2	3	9	19	23	46	31	27	25	18	14	7	14				
October								6	9	34	54	63	17	33	32						
November								11	25	56	56	52	34	6							
December							3	19	46	63	63	21	24	9							
Year			1	6	15	30	54	184	409	510	521	441	375	222	119	17	16				

Frequency Table III for Stanley, Falkland Islands, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January					1	1	1	1	5	10	12	19	35	31	27	37	39	25	4
February					1	1	5	3	4	10	7	16	16	38	37	32	38	15	1
March							1	4	4	11	19	18	20	27	31	35	36	37	5
April				1		1		2	1	6	10	11	20	22	23	39	33	43	28
May									1	2	2	8	9	12	16	35	51	68	44
June													6	10	22	31	56	76	39
July											1	1	1	15	20	51	76	60	23
August										2	3	5	13	16	27	51	59	56	16
September								1	1	7	3	10	13	15	34	40	54	49	13
October						1	4	3	6	11	7	17	15	25	21	31	43	42	22
November			1		1	3	4	4		6	11	20	17	18	22	39	33	39	22
December								1	1	6	8	13	19	31	28	31	42	50	18
Totals			1	1	3	7	15	19	23	71	83	138	184	260	308	452	560	560	235
Mean			—	—	—	1	1	2	2	6	7	11	15	22	26	38	47	47	20

Frequency Table IV for Stanley, Falkland Islands, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS ⁷ (metres)															No CLOUD 7 TRACES DISREGARDED				
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	> 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS									
																	0	30	60	120	300	600	1200	2400	=	0	30	60	120	300	600		1200	2400	=	
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	> 6000	to 30	to 60	to 120	to 300	to 600	to 1200		to 2400	to 6000	> 6000	
January					2	13	63	55	115	13	32	79	96	28			1	2	11	(3) 63	(23) 143	(13) 11	10	5			2	5	(2) 17	(14) 27	(10)	1	2	2	9	
February			1	1	2	14	84	70	52	43	53	51	51	25	1	1	1	4	12	(6) 76	(13) 66	(6) 14	35	7	1	1	3	3	(5) 20	(6) 4	(2) 2	8	1	8	15	
March	1			1	4	18	63	71	90	44	47	68	49	39	1	1		11	(3) 26	(5) 59	(14) 87	(13) 15	26	14	1		9	(2) 9	(5) 10	(11) 8	(9) 1	4		9	8	
April	14	1	7	3	6	17	64	46	82	48	47	51	41	35	18	18	6	17	(1) 19	(5) 62	(12) 64	(2) 1	17	23	18	4	10	(1) 10	(3) 12	(11) 7	(2) 1	4		13	9	
May	5	3	5	6	19	46	45	75	44	18	42	45	50	86	7	7	13	22	(2) 44	(9) 68	(23) 68	(1) 2	14	6	7	13	21	(2) 27	(7) 15	(13) 15	(1) 1	5	1	4	7	
June	2		5		6	40	86	55	46	24	33	44	71	63	5	5	3	14	(4) 44	(18) 104	(11) 37	3	11	6	5	1	11	(4) 19	(11) 36	(9) 15	1		1	13	7	
July	3		1	3	9	37	78	67	50	26	57	40	56	65	4	4	1	16	46	(18) 84	(28) 53	(6) 7	12	7	4	1	15	18	(12) 16	(15) 14	(5)			18	15	
August		3	1	3	9	34	86	85	27	24	58	71	39	52	4	4		7	41	(14) 95	(33) 69	(1) 3	19		4		7	25	(6) 10	(11) 10		3		10	17	
September				2	3	24	86	87	38	13	52	56	58	59	2	2		3	(3) 31	(12) 91	(39) 82	(6) 11	15	2	2		2	13	(3) 12	(9) 24	(27) 3	(3) 1		3	12	
October	2	4	3	3	8	19	63	69	77	61	57	34	34	54	8	9	1	12	(1) 44	(4) 44	(12) 67	(2) 7	51		9	1	10	24	(3) 9	(6) 5	(2)	10		13	18	
November	2		1	2	9	27	76	62	61	41	52	42	52	53		1	16	38	(7) 66	(11) 55	(1) 5	33	17		1	15	30	(7) 14	(4) 5	2	12	4	9	18		
December				1	2	23	57	101	64	24	37	52	83	52			3	25	(1) 124	(12) 124	(23) 64	(10) 5	23	1		3	18	(10) 34	(12) 15	(7) 2	7		3	7		
Total		29	11	24	25	79	312	851	843	746	379	567	633	680	611	50	51	27	127	(15) 381	(113) 936	(242) 855	(61) 81	266	88	51	22	108	(12) 201	(50) 205	(139) 149	(41) 13	55	9	105	142
Mean		2	1	2	2	7	26	71	70	62	32	47	53	57	51	4	4	2	11	(1) 32	(9) 78	(20) 71	(5) 7	22	7	4	2	9	(1) 17	(7) 17	(12) 12	(3) 1	5	1	9	12

Frequency Table V for Stanley, Falkland Islands, 1954.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	^{10 & 18}	¹⁰	¹⁰	^{10 & 18}	¹⁰	¹¹	¹¹	¹²	¹³	¹⁴	^{10 & 15}	Fog ^{10 & 16}		HAIL ^{10 & 17}		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE ⁶	WIND FORCE ⁸	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft
	>50°F	<32°F	<23°F	>68°F	>=	>=	>=	|| ^	|| ^																
January				1	25	19	2	18	3	28		8	1	2	15			2		25				17	
February	1				17	12		16	4	24		2	3	1	11	1		4		16	1			6	
March					18	12		23	6	22	1	2	10		9	2		5		12	2			7	
April					14	8		19	2	17	2	2	6		6	1		14		13	8			5	
May					24	17	3	16	3	26	6	5	8		16	2	3	16		15	4			5	1
June					22	13		16	4	18	13	8	5		15	1	12	24	2	18	4			4	4
July					23	13		20	3	19	7	7	6		10		7	26	2	15	3			6	1
August		1			22	11	1	23	10	17	17	11	7		10	2	11	30	5	21	4			5	
September		1			22	13		20	2	23	11	8	8		14	1	8	22	3	18			4	2	
October					10	4	1	19	2	16	2	1	7		9	1		12		7	6				
November					16	11	1	22	6	21			6		16	1				12	2		1		
December					23	17	1	12	1	25			5	2	18			*4		15			4		
Total	1	2	0	1	236	150	9	224	46	256	59	54	72	5	149	12	41	159	12	187	34	0	9	57	6
Mean	—	—	—	—	20	13	1	19	4	21	5	5	6	—	12	1	3	13	1	16	3	—	1	5	1

* 2 readings omitted.

Frequency Table VI for Stanley, Falkland Islands, 1954.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	16.0	5	42	142	59		9	3	2	1	2	9	13	63	47	33	42	24
February	16.4	7	44	125	45	3	14	4	1	1	2	3	8	28	23	44	44	49
March	17.8	10	61	138	39		13	4	1	1	1	2	5	32	51	40	56	42
April	16.2	6	47	133	52	2	14	2	3	1		1	23	19	21	28	61	65
May	16.4	6	45	148	45	4	17	6	13	15	9	13	5	31	30	36	39	30
June	16.5	12	41	141	46		17	2			1	3	11	40	42	44	47	33
July	17.2	10	49	145	41	3	39	6					7	12	39	30	65	47
August	19.7	18	80	119	26	5	7	5	11	15	10	4	4	26	51	39	38	33
September	17.3	5	60	134	39	2	11		3		4	9	23	23	32	36	41	56
October	15.5	2	48	138	54	6	34	6	4	3	4	4	21	28	13	13	61	51
November	18.3	7	77	120	31	5	23	5	6		2	1	18	27	24	22	34	73
December	13.8	1	34	129	80	4	23	15	18	9	8	17	28	35	21	17	19	34
Total	201.1	89	628	1612	557	31	221	58	62	46	43	66	166	364	394	382	547	537
Mean	16.8	7	52	134	46	3	18	5	5	4	4	5	14	30	33	32	46	45

Frequency Tables VII to X for Stanley, Falkland Islands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1					1		1	1		1	1	6
2	1					1	1	1	1	2	7	1	15
3	2	1	2	1	2	1	3	2	6	4	11	3	38
4	3	1				6	5	11	10	18	18	8	80
5	2	1						22	20	6	2	9	62
6							3	12	5	3	3	1	27
7							1	10	3				15
≥ 8								4	1				5
Totals	9	3	2	1	2	9	13	63	47	33	42	24	248

CALMS - 0

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1											1
2	1									2	5	3	11
3						1	1	1	2	7	16	5	33
4	6	2	1	1	2	1	4	10	10	16	14	16	83
5	3	1				1	3	6	3	5	8	12	42
6	2							2	4	8	1	11	28
7	1							4	4	5		2	16
≥ 8	1							5		1			7
Totals	14	4	1	1	2	3	8	28	23	44	44	49	221

CALMS - 3

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1													
2	1		1				1			2		1	6
3	1	2		1	1		2	2	2	5	12	5	33
4	3	2				2	2	8	12	13	29	14	85
5	3							2	17	9	11	11	53
6	2							13	14	6	3	8	46
7	2							4	2	3	1	3	15
≥ 8	1							3	4	2			10
Totals	13	4	1	1	1	2	5	32	51	40	56	42	248

CALMS - 0

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1						1				1	1		3
2										1	6	1	8
3	1		1	1			1		3	5	16	13	41
4	5	2	2				3	2	9	10	25	21	79
5	2						6	6	6	8	9	17	54
6	1						10	10	2	3	4	8	38
7	2						3					4	9
≥ 8	3							1	1			1	6
Totals	14	2	3	1		1	23	19	21	28	61	65	238

CALMS - 2

Frequency Tables XI to XIV for Stanley, Falkland Islands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340		
1												2	1	3
2	1		4					1		2	5	2		15
3		1	1		2	1		1	1	3	12	5		27
4	5	2	3	7	3	4	2	5	9	9	17	10		76
5	3	3	5	7	2	3	2	8	10	15	3	11		72
6	6			1	2	4	1	7	8	7		1		37
7	1					1		4	2					8
>= 8	1							5						6
Totals	17	6	13	15	9	13	5	31	30	36	39	30		244

CALMS - 4

TABLE XII — JUNE.

BEAUFORT FORCE	450	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340		
1										1	1			2
2									1	1	5			7
3	4					1		3	6	3	11	9		37
4	10	1			1	1	4	4	14	22	19	10		86
5	2	1					1	9	12	16	9	5		55
6	1						1	15	9	1	2	4		33
7							1	3				4		8
>= 8						1	4	6				1		12
Totals	17	2			1	3	11	40	42	44	47	33		240

CALMS - 0

TABLE XIII — JULY.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340		
1										1	1	2		4
2							1	1		1	3	3		9
3	2							2	2	6	14	2		28
4	7						1	3	16	11	23	12		73
5	6	1					3	1	18	10	21	12		72
6	11	3					2	4	3	1	3	8		35
7	6	2						1				5		14
>= 8	7											3		10
Totals	39	6					7	12	39	30	65	47		245

CALMS - 3

TABLE XIV — AUGUST.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340		
1										1				1
2		1			1				1	3	1			7
3	1	1	2	2					1	1	6	4		18
4	1			1	1	2	1	4	10	11	21	11		63
5			2	5	2	1	2	3	16	14	5	6		56
6		3	7	4	3			5	16	6	4	7		55
7	2			2	4	1		7	4	1	1	3		25
>= 8	3						1	7	2	3		2		18
Totals	7	5	11	15	10	4	4	26	51	39	38	33		243

CALMS - 5

Frequency Tables XV to XVIII for Stanley, Falkland Islands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1										1			1
2			1		1	2				2	3	1	10
3	1		2		1		2	4	1	5	7	5	28
4	4				2	5	9	3	6	13	21	15	78
5	4					1	7	3	18	8	6	9	56
6	2					1	5	4	7	4	4	19	46
7								4		3		7	14
≥ 8								5					5
Totals	11		3		4	9	23	23	32	36	41	56	238

CALMS - 2

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1				1					2	1	5
2	2		1	1	1	2		2		1	3	2	15
3	1	1	2	2	2		4	6	1	2	9	4	34
4	7	3	1		1	1	7	9	6	5	20	13	73
5	8	1					5	6	6	3	21	15	65
6	10						5	4		2	5	13	39
7	4							1			1	3	9
≥ 8	2												2
Totals	34	6	4	3	4	4	21	28	13	13	61	51	242

CALMS - 6

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1													
2			2				1				1		4
3	4	1	2				2	4	2	2	8	2	27
4	7	4	2		1		13	3	7	12	13	14	76
5	6				1		1	4	5	3	10	14	44
6	3					1	1	6	3	2	2	27	45
7	3							9	5	2		13	32
≥ 8								1	2	1		3	7
Totals	23	5	6		2	1	18	27	24	22	34	73	235

CALMS - 5

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1				1		1	1				1	5
2	1		2	2		2	3	2	2	2	2	4	22
3	8	3	5	2	3	6	4	4	1	3	10	4	53
4	4	8	8		2	6	13	10	9	8	6	9	83
5	5	1	3	5	2	2	4	7	4	4		9	46
6	3	2				1	2	7	3		1	4	23
7	1	1					1	3	2			3	11
≥ 8								1					1
Totals	23	15	18	9	8	17	28	35	21	17	19	34	244

CALMS - 4

Frequency Table XIX for Stanley, Falkland Islands, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												
	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIRECTIONS
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	2	2			1	3	1	2	2	4	8	6	31
2	7	1	11	4	2	7	7	7	5	19	41	18	129
3	25	10	17	9	11	10	19	29	28	46	132	61	397
4	62	25	17	9	13	28	64	72	118	148	226	153	935
5	44	9	10	17	7	8	34	77	135	101	105	130	677
6	41	8	7	5	5	7	30	89	74	43	32	111	452
7	22	3		2	4	2	6	50	22	14	3	48	176
= > 8	18					1	5	38	10	7		10	89
Totals	221	58	62	46	43	66	166	364	394	382	547	537	2886

CALMS 34.

Frequency Table XX for Stanley, Falkland Islands, 1954.

MONTH	RAINFALL (mms.) : Number of days of 1																																									
	NIL	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Nil - 0.9	1.0 - 1.9	2.0 - 2.9	3.0 - 3.9	4.0 - 4.9	5.0 - 5.9	6.0 - 6.9	7.0 - 7.9	8.0 - 8.9	9.0 - 9.9	Nil - 9.9	10.0 - 14.9	15.0 - 19.9	20.0 - 24.9	25.0 - 29.9	30.0 - 34.9	35.0 - 39.9	40.0 - 44.9	45.0 - 49.9	50.0 - 54.9	55.0 - 59.9	60.0 - 64.9	65.0 - 69.9	70.0 - 74.9	75.0 - 79.9	> 80.0					
January	3	3		1	1		1	3				12	7	5	1	1	1	1			1		29		1	1																
February	6	5	1	2			1		1			16		6	1	2	2	1				28																				
March	4	9	2		1		1		1		1	19	7	2		2	1					31																				
April	7	9	5			1						22	4	2	1	1						30																				
May	3	4	1		1	2		1	1		1	14	4	7	1				1	1		28	1			1	1															
June	5	3	1	2			4	1		1		17	4	5	2	1					1	30																				
July	4	4	1	3	2	1			1	1	1	18	7	1	1	2	1	1				31																				
August	3	6	3	4	1	1					2	20	3	3	2	1					1	30	1																			
September	4	4	4	2	1	1				1		17	6	4	1	1				1		30																				
October	12	9	2	2	2							27	1		1		1					30						1														
November	9	5		2	2			1				19	2	1	2	2			1	1	1	29	1																			
December	5	3	1	1	2	1				1		14	6	3	2	1	1	1		1	1	30		1																		
Year	65	64	21	19	13	7	7	6	4	4	5	215	51	39	15	14	7	5	3	5	2	356	3	2	1	1	2															

Upper Air Means Table I for Stanley, Falkland Islands, 1954.

MONTH	MEAN AIR AND DEW POINT TEMPERATURES AT STANDARD LEVELS IN °F, for 1100 Zone Time :-																						
	SURFACE		900 mb.		850 mb.		800 mb.		700 mb.		600 mb.		500 mb.		400 mb.		300 mb.	200 mb.	150 mb.	100 mb.	MEAN ²⁵ TROPopause		
	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Air	Air	Air	Press. mb.	Height ²²	Temp.
January	48.6	39.3	37.4	23.7	31.0	18.2	25.9	11.8	15.3	-2.6	4.1	-17.6	-11.1	-30.5	-30.8	²⁸ -46.7	-50.6	-51.3	³⁰ -51.3	²⁷ -51.4	277	31230	-61.2
February	52.3	41.7	42.9	29.7	35.7	24.0	33.1	19.3	21.0	7.3	9.3	-4.9	-4.5	-22.9	-23.0	²⁷ -40.5	-45.8	-54.7	²⁸ -53.6	²⁵ -55.1	245	33830	-61.3
March	48.9	40.4	38.3	28.2	33.7	21.3	29.3	14.8	19.0	0.2	6.5	-13.6	-9.5	-29.8	-29.5	²⁸ -42.2	-51.3	-57.7	³⁰ -58.4	³⁰ -59.3	260	32850	-66.0
April	46.3	40.3	40.1	27.8	35.9	20.5	30.7	14.4	19.5	3.0	7.0	-10.5	-9.7	-27.6	-30.1	²⁸ -45.0	-54.9	-66.5	²⁸ -66.0	²⁰ -67.1	246	34380	-73.1
May	40.2	37.4	32.9	25.9	28.6	19.7	24.0	13.7	13.9	-1.1	1.8	-15.4	-14.7	-32.7	-35.3	²⁵ -49.2	-58.7	-70.0	²⁷ -66.6	²⁷ -67.0	251	33210	-74.9
June	36.0	33.2	28.5	20.7	23.7	14.4	19.8	7.8	10.0	-7.6	-2.2	-19.2	-19.1	-34.8	-39.5	¹⁴ -48.7	-63.0	-77.0	²⁷ -73.3	²⁷ -71.0	245	33520	-80.0
July	37.3	34.4	31.0	21.6	26.7	15.5	21.6	8.2	9.5	-8.9	-5.1	-24.0	-22.7	-40.5	-42.5	¹⁵ -50.9	-63.4	-72.9	³⁰ -71.2	³⁰ -72.7	264	31830	-77.3
August	36.1	31.7	26.6	19.5	22.3	12.4	17.9	5.8	6.3	-6.0	-6.8	-21.5	-23.7	-38.5	-43.2	¹⁰ -49.0	-63.5	-74.3	²⁹ -72.3	²⁹ -67.8	256	32320	-77.5
September	38.1	32.6	26.9	19.3	21.8	12.5	18.1	3.7	6.8	-11.6	-7.2	-26.8	-23.6	-41.8	-43.2	¹¹ -54.6	-65.3	-76.5	²⁷ -74.6	²⁴ -76.8	257	32200	-79.2
October	³⁰ 45.2	³⁰ 36.8	³⁰ 36.5	³⁰ 22.9	³⁰ 31.9	³⁰ 14.6	³⁰ 26.4	³⁰ 6.5	³⁰ 15.0	³⁰ -5.1	³⁰ 2.5	³⁰ -16.9	³⁰ -12.0	³⁰ -29.7	³⁰ -32.7	³⁰ -48.0	³⁰ -57.6	³⁰ -67.9	³⁰ -65.8	²⁷ -66.8	³⁰ 245	³⁰ 33790	³⁰ -72.2
November	48.6	38.9	39.8	28.0	34.7	20.9	28.8	13.9	17.1	1.1	2.7	-12.1	-13.6	-29.5	-31.0	²⁵ -44.8	-52.9	-61.2	²⁹ -59.7	²⁷ -60.8	265	32160	-65.6
December	47.9	41.9	35.5	30.2	30.3	23.8	25.4	17.4	15.8	4.7	2.5	-8.7	-11.6	-26.6	-35.8	²⁷ -40.7	-53.8	-54.2	²⁹ -52.7	²⁶ -54.7	306	31630	-64.2
Total	525.5	448.6	416.4	297.5	356.3	217.8	301.0	137.3	169.2	-27.2	15.1	-191.2	-175.8	-384.9	-416.6	-560.3	-680.8	-784.2	-769.5	-770.5	3117	392950	-852.5
Mean	43.8	37.4	34.7	24.8	29.7	18.1	25.1	11.4	14.1	-2.3	1.3	-15.0	-14.7	-32.1	-34.7	-46.7	-56.7	-65.3	-64.1	-64.2	260	32750	-71.0

Upper Air Means Table II for Stanley, Falkland Islands, 1954.

MONTH	²² MEAN HEIGHTS ABOVE M.S.L. OF STANDARD PRESSURE LEVELS (ft.)										
	900 mb.	850 mb.	800 mb.	700 mb.	600 mb.	500 mb.	400 mb.	300 mb.	200 mb.	150 mb.	100 mb.
January	2710	4220	5780	9210	13080	17510	22770	29170	37920	44200 ³⁰	53040 ²⁷
February	2800	4330	6130	9400	13300	17800	23110	29620	38400	44620 ²⁶	53340 ²⁵
March	2920	4420	6030	9480	13360	17840	23050	29480	38200	44360 ³⁰	53010 ³⁰
April	2990	4510	6110	9560	13450	17930	23150	29550	38170	44190 ²⁸	52670 ²⁶
May	2870	4370	5950	9360	13210	17290	22800	29120	37600	43940 ²⁷	52090 ²⁷
June	2850	4530	6090	9480	13300	17670	22810	29050	37410	43300	51710 ³⁰
July	2820	4310	5880	9260	13070	17400	22470	28710	37120	43100	51490 ²⁹
August	2810	4290	5840	9200	12980	17310	22370	28610	37000	42940 ²⁷	51370 ²⁴
September	2820	4360	5920	9280	13060	17380	22450	28670	37000	42910 ³⁰	51190 ²⁷
October	3010 ³⁰	4520 ³⁰	6100 ³⁰	9530 ³⁰	13370 ³⁰	17810 ³⁰	23010 ³⁰	29360 ³⁰	37860 ³⁰	43910 ³⁰	52440 ²⁷
November	2900	4410	6010	9440	13310	17730	22920	29350	37990	44130 ²⁹	52830 ²⁷
December	2820	4320	5910	9340	13180	17620	22840	29230	37930	44200 ²⁸	52970 ²⁶
Total	34320	52590	71750	112540	158670	211290	273750	349920	452600	525800	628150
Mean	2860	5980	4380	9380	13220	17610	22810	29160	37720	43820	52350

Upper Air Frequency Table II for Stanley, Falkland Islands, 1954.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																							
	850 mb.															800 mb.																								
	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	84	
January					1	3	10	9	5	2	1														1	3	11	9	3	3	1									
February							4	7	5	4	4	2	2														5	7	3	6	3	2	1	1						
March						2	9	7	6	5	1		1													1	9	8	4	7	1	1								
April						4	5	4	8	1	7		1												1	2	7	4	7	1	5	2	1							
May					3	8	3	11	6																5	5	5	8	8											
June			1	4	8	8	1	1	4	2		1												1	2	5	11	3	1	3	3	1								
July					4	9	8	4	5	1															7	7	8	3	4	2										
August				4	7	10	7		2	1														1	1	7	11	6	2	2	1									
September			1	2	7	13	3	2	2															1	1	6	10	9	2	1										
October					2	5	4	6	8	4		1													2	5	3	8	10	1		1								
November						5	5	6	2	9	2		1													7	6	2	6	5	3	1								
December					1	1	14	8	5	2															1	2	10	10	7	1										
Year				2	10	33	68	73	65	58	31	15	4	5										3	4	35	64	82	64	58	30	14	7	2	1					

Upper Air Frequency Table IV for Stanley, Falkland Islands, 1954.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																							
	500 mb.																400 mb.																							
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	
January					4	3	3	5	8	5	3																	2	2	9	4	7	3	2	2					
February						1	4	5	1	6	7	4																	1	1	7	2	5	8	4					
March					2	2	5	8	3	6	3	2													1	1	2	7	4	6	4	5	1							
April			1		2	2	3	4	10	2	4	2															3	1	5	7	4	7	3							
May			1	1	2	6	3	9	5	4														1		1	2	4	8	9	6									
June			1	3	5	8	2	6	3	1	1																	11	6	5	4	3	1							
July			2	8	2	8	6	2	2	1															3	3	5	7	7	3	2	1								
August		1	4	2	7	7	5	3	1	1															3	5	6	7	6	2	1	1								
September			4	1	5	12	7	1																1	2	1	5	12	8	1										
October						1	13	5	7	3	1																		2	13	6	5	4							
November					5	4	4	7	3	6	1																		2	4	6	4	5	6	3					
December						4	6	9	7	4	1																		5	5	6	11	4							
Year		1	13	15	34	58	61	64	50	39	21	8																2	8	11	37	53	80	57	52	36	21	7		

Upper Air Frequency Table V for Stanley, Falkland Islands, 1954.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																							
	300 mb.																		200 mb.																					
	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	-110	-105	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
-104	-99	-94	-89	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	-14	-9	-114	-109	-104	-99	-94	-89	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	
January							1	3	1	14	6	4	2															1	1	4	2	3	7	4	8	1				
February									4	3	10	5	5	1													1		1	3	5	3	5	6	2	2				
March							1	3	6	8	7	5		1													1	2	2	4	3	5	6	5	2	1				
April							2	3	12	8	3	2														3	3	4	1	4	5	5	3	2						
May						1	4	8	12	5		1												1	1	2	2	3	7	5	2	5	3							
June						1	13	8	7	1														3	2	5	3	3	3	5	6									
July					1	4	9	8	4	4	1													3	5	1	3	6	5	6	1	1								
August					1	5	8	11	3	2	1													3	4	4	2	4	9	5										
September					2	5	9	10	4															1	2		5	10	9	3										
October					1		2	7	10	9		1														1	4	6	8	9	1	1								
November						1	5	3	13	4	4																3	5	4	5	4	3	5	1						
December							4	10	12	5																		1	1	7	6	8	7		1					
Year					5	16	50	70	76	79	37	22	7	2										5	11	19	21	35	46	52	58	33	37	29	13	5				

Upper Air Frequency Table VI for Stanley, Falkland Islands, 1954.

MONTH		AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :-																																									
		150 mb.														100 mb.																											
		-110	-105	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-105	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10		
		to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to			
January											4	7	5	9	4	1																											
February																																											
March																																											
April																																											
May																																											
June																																											
July	1																																										
August																																											
September																																											
October																																											
November																																											
December																																											
Year	1																																										

Upper Air Frequency Table VII for Stanley, Falkland Islands, 1954.

MONTH	RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges:-																																													
	Surface										900 mb.										850 mb.										800 mb.															
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=		
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>		
9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100			
January				1	1	1	12	11	3	2					3	4	7	12	4	1						2	6	4	12	5	2					1	2	7	5	11	4	1				
February			1			2	3	7	5	6	4			1	2	3	6	4	9	3					1	1	6	4	7	6	2	1				1	3	4	4	11	2	3				
March					1	4	11	6	3	6					1	6	13	7	4					1	1	3	6	13	6		1				2	2	3	10	8	5		1				
April						1	7	6	7	5	4			1	3	4	4	4	9	2	2	1				1	6	8	3	3	4	2	2	1				3	5	7	3	4	5		2	1
May							1	3	9	14	4					2	3	5	7	4	10				1	1	3	3	4	7	6	6				3	2	1	3	5	4	7	6			
June							1	3	8	16	2					1	3	2	1	4	11	8					3	3	3	1	8	10	2				2	4	4	4	4	4	8	2	2	
July							1	1	13	14	2			1	1	3	4	2	10	6	4			1	1		4	5	4	8	6	2			1	2	2	5	2	7	6	6				
August							2	9	8	7	5				1	1	1	5	10	8	5					5	1	4	3	8	5	5			1	1	3	2	6	7	1	7	3			
September					1	3	2	4	12	7	1					2	4	5	7	8	4					1	10	5	6	8		1		1	2	1	1	2	4	9	6	4				
October					2	2	7	10	5	2	2		1	1		7	5	7	4	4		1		1	1	3	1	7	7	1	5	3	1		2	4		1	6	7	4	1	3	2		
November			1	2	1	1	8	7	4	4	2				1	8	5	2	6	6	2				1	2	7	5	4	6	4	1				1	4	7	7	5	3	3				
December					1	6	9	7	7	1					1		2	7	16	5					1	1	2	2	6	13	6				1	1	3	5	9	11	1					
Year			2	3	8	16	65	74	85	88	23		1	4	12	39	47	62	84	73	40	2		1	2	9	23	50	56	59	75	61	27	1		3	8	17	30	49	58	80	54	47	17	1

Upper Air Frequency Table VIII for Stanley, Falkland Islands, 1954.

MONTH		RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges:-																																											
		700 mb.										600 mb.										500 mb.										400 mb.													
		0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=
		to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>
9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100		
January		1	5	6	4	6	7	2					5	7	5	6	3	3	2			1	2	3	12	4	5	4						2	6	10	8	1	1						
February		1	5	2	7	5	4	4						1	4	7	6	4	4	2				2	6	1	9	5	4	1				1	2	5	4	7	3	5					
March	1	3	3	1	5	6	6	4	2				5	4	4	7	3	4	4				5	8		6	5	6	1					3	6	4	6	7	2						
April		1	3	5	4	5	5	2	4	1			2	4	5	4	7	4	3	1			1	4	7	8	4	6						2	4	8	5	5	1	1					
May		1	2	5	4	8	3	2	5	1			3	5	6	6		3	5	2	1		5	4	8		3	6	4	1				5	6	1	3	5	4	1					
June		2	5	3	8	4	3	2	3				2	6	5	6	1	5	5				1	5	7	3	4	8	2					2		5	1	5	1						
July	1	2	3	5	6	3	5	4	2		1	3	5	6	4	5	2	4	1		1	2	5	6	11		4	2			1	2	2	2	1	6	1								
August		1	2	2	5	7	3	5	6		1	2		6	3	5	6	6	2		3	1	3	4		8	7	5			1	1		1	2	3	2								
September	3	1	3	2	3	4	6	5	3		3	1	5	5	3	4	1	7	1		3	3	4	3	5	2	6	4			3	1	2	2		2	1								
October	3	4		4	3	3	4	6	2	1	4	2	1	4	3	5	4	2	5		1	3	4	4	5	4	6	3			2	1	4	5	8	7	1	1							
November		1	3	5	3	5	6	6		1			4	5	3	6	3	8	1			4	1	7	5	4	5	2	2			2	3	3	3	7	4	1	2						
December			2	1	3	5	8	6	5	1			1	3	3	1	4	8	7	4			3	4	1	5	8	5	4	1				2	4	1	5	9	4	2					
Year	8	18	36	41	55	61	60	48	32	4	1	9	26	45	58	53	49	47	57	19	1	9	32	51	60	61	52	67	28	4			10	26	42	46	53	57	24	7					

Upper Air Frequency Table IX for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED KNOTS	WINDS at 300 mb. : Number of observations at 1100 Zone Time of :-																																			
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)												NUMBER OF ASCENTS										
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344											
January	17.6	5	16	7	3														1				1	1	12	5	4	4	3	31							
February	16.9	4	15	8	1																		1	1	3	1	5	6	11	28							
March	19.9	3	12	14	1	1													1	1			1	1	3	7	7	5	5	31							
April	16.9	3	16	9	1									1									1	1	3	5	3	6	9	30							
May	17.2	4	18	7	2																				5	4	5	5	3	31							
June	16.7	5	14	9	1																			2	6	6	2	4	5	29							
July	18.5	4	15	8	4																				3	6	3	6	7	31							
August	20.8	4	8	14	4	1														2	1	2	2		3	7	5	4	5	31							
September	18.0	3	13	14																			1	1	3	4	4	3	5	8	30						
October	17.9		18	9	2									1										1	2	5	3	3	5	6	30						
November	20.4	2	13	7	7																			1	1	3	3	4	3	11	29						
December	14.7	8	14	7																					1	3	1	1	5	29							
Year	18.0	45	172	113	26	2								2											20	8	7	5	8	10	15	54	54	45	54	78	360

Upper Air Frequency Table X for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 900 mb. : Number of observations at 1100 Zone Time of :-																								NUMBER OF ASCENTS	
	KNOTS	SPEEDS (knots)											CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)													
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179		>179	345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344
January	26.9	1	9	7	10	4												1	1	5	10	6	6	2	31		
February	26.1	2	7	10	6	3													1		1	5	9	7	5	28	
March	27.4	3	4	12	9	3												1		1	3	7	11	4	4	31	
April	24.4	3	6	12	5	3							1	1						1	3	6	7	6	5	30	
May	26.4	1	8	11	7	4								2	1	3			1		6	8	3	3	4	31	
June	26.9	1	6	12	9	1														2	9	7	6	2	3	29	
July	30.7		5	9	7	8	1							1	4						5	4	7	4	6	31	
August	28.7	1	3	16	4	7										2	2	2			7	5	7	3	3	31	
September	24.3	1	10	11	7	1									1			1	1		2	4	5	7	5	4	30
October	23.3	3	10	10	4	3									2		1			3	1	2	3	8	5	5	30
November	24.5	3	10	4	7	4								1	1						2	5	6	6	8	29	
December	15.6	6	11	8	2									2	2		2	1		2	2	3	4	5	6	29	
Year	25.4	25	89	122	77	41	1							5	13	3	8	4	3	7	10	50	69	82	57	49	360

Upper Air Frequency Table XI for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 850 mb. : Number of observations at 1100 Zone Time of :-																								
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)												NUMBER OF ASCENTS
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344	
January	28.6	1	7	8	11	4												1	1	3	12	7	4	3	31	
February	29.5		5	10	8	5														2	6	10	8	2	28	
March	29.5	1	6	7	9	7							1					1	1	3	8	10	7		31	
April	26.8	2	6	8	9	4							1	1					3	2	7	6	6	4	30	
May	26.6	2	6	9	10	4								1	4		1			6	8	4	2	5	31	
June	27.1	1	5	10	10	3														12	5	7	2	3	29	
July	30.4	1	6	7	7	8	1						1	3							4	4	9	4	6	31
August	29.1	2	3	13	7	6								1	2	1	2				7	7	4	4	3	31
September	24.6	2	10	9	6	3								1			1	1		1	2	4	4	9	3	30
October	23.9	1	9	13	5	2								1	1					2	2	2	4	6	9	30
November	24.9	4	8	5	5	6							1	1							2	6	7	6	6	29
December	15.5	8	10	8	3									1		1				3	6	5	8	3	2	29
Year	26.4	25	81	107	90	52	1						4	10	3	6	3	2	8	9	53	76	87	59	40	360

Upper Air Frequency Table XII for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 800 mb. : Number of observations at 1100 Zone Time of :-																									
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS		
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344	
January	31.3		5	8	11	7												2	2	12	8	5	2	31			
February	32.3		4	6	12	5	1													2	5	9	9	3	28		
March	32.8		5	9	8	9													2	2	9	11	7		31		
April	28.7	1	5	9	11	4													3	2	6	9	5	5	30		
May	27.4	1	8	6	11	5								2	1	3		1			5	10	2	3	4	31	
June	27.9	1	3	10	11	4													2	11	6	5	3	2	29		
July	29.4	1	5	10	7	6	1							1	3						5	4	9	3	6	31	
August	29.3	2	5	9	7	8								1	1	1	1	1		1	5	8	4	5	3	31	
September	25.3	2	7	12	5	4													1	4	4	5	9	4	3	30	
October	23.8	2	10	11	3	4								2						3	1	3	3	6	10	2	30
November	27.0	3	7	7	5	7															3	5	8	8	5	29	
December	16.5	5	13	9	2									1			1	2			7	4	8	4	2	29	
Year	27.6	18	77	106	93	63	2							1	9	2	4	1	3	6	15	51	77	88	66	37	360

Upper Air Frequency Table XIII for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 700 mb. : Number of observations at 1100 Zone Time of :—																										
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS		
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344	
January	36.5		1	6	8	15	1											1	1	2	13	9	5				31	
February	38.9		1	5	8	12	2													1	5	10	9	3			28	
March	36.5		2	6	14	6	3													3	10	11	7				31	
April	31.6		3	8	13	6														3	3	5	6	7	6		30	
May	29.4		6	10	8	7												4		1	1		1	11	5	6	2	31
June	33.7		2	14	5	7	1														5	7	6	4	6	1	29	
July	28.8	1	5	10	6	7	1							1	1					1	3	7	5	6	7		31	
August	31.2	3	6	3	9	10														1	1	6	6	5	4		31	
September	26.2	3	5	12	5	4	1														2	4	7	8	7	1	30	
October	24.2	1	9	8	8	3								1	1						4		8	4	9	3	30	
November	28.2	2	3	13	4	7									1							2	7	9	10		29	
December	19.4	2	14	8	3	1								1					1			5	8	9	3	2	29	
Year	30.4	12	57	103	91	85	9							3	3	5	1	2	1	2	17	38	93	86	80	29	360	

Upper Air Frequency Table XIV for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 600 mb. : Number of observations at 1100 Zone Time of :--																									
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS		
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344
January	40.2	1	4	2	5	17	2									1		1	3	10	8	8					31
February	43.6			2	9	15	2												1	6	9	10	2				28
March	41.8		2	5	7	13	4											1	2	11	12	5					31
April	35.1		3	6	10	10	1												3	4	3	8	7	5			30
May	31.8	2	3	11	2	12	1										4	1		1	9	7	5	3			31
June	38.2			8	8	10	3													5	6	6	7	4	1		29
July	31.9	1	2	12	8	8									1				1	3	5	7	9	5			31
August	34.8	2	5	4	8	10	2													2	5	6	6	11	1		31
September	30.5	1	8	4	9	7	1												1	1	5	3	11	9			30
October	28.3	4	4	10	5	5	2								1	1				3	3	4	6	9	3		30
November	32.0	1	2	9	10	6	1													1	1	6	9	8	4		29
December	26.0	1	9	8	5	6															7	4	14	3	1		29
Year	34.5	13	42	81	86	119	19								2	5	1		2	1	18	41	73	104	88	25	360

Upper Air Frequency Table XV for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 500 mb. : Number of observations at 1100 Zone Time of :-																								NUMBER OF ASCENTS		
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)													
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344	
January	47.8		4	2	5	10	10									1				5	10	7	8			31		
February	50.9				9	13	5		1											1	5	14	6	2		28		
March	49.9		1	3	5	13	7	2											1	2	9	15	4			31		
April	38.4		4	3	8	13	2													1	3	3	2	6	11	4	30	
May	38.6	3	5	3	6	8	6								3	2	1			2	1	10	3	6	3	31		
June	44.5		1	3	6	16	3													6	5	8	5	5		29		
July	35.4		1	11	8	10	1														1	3	4	8	11	4	31	
August	42.6	1	3	4	6	12	5													2	6	6	8	8	1	31		
September	35.5	2	6	4	5	11	1	1													1	1	4	6	10	7	1	30
October	33.6	3	5	5	5	8	4								1		1				1	3	2	5	5	9	3	30
November	36.3	1	1	9	8	7	3														1	3	2	14	6	3	29	
December	33.2		7	9	2	8	3														7	6	11	2	3	29		
Year	40.6	10	38	56	73	129	50	3	1						4	2	2			1	4	19	42	73	106	83	24	360

Upper Air Frequency Table XVI for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 400 mb. : Number of observations at 1100 Zone Time of :-																									
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS	
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344		
January	55.6		2	2	5	9	5	8								1				7	7	8	7	1	31		
February	62.1				3	11	9	3	1		1							1		5	15	5	2	28			
March	58.3		1	2	4	10	9	4	1									1	4	8	13	5		31			
April	46.8		1	4	5	14	4	2							1		1	4	2	2	6	12	2	30			
May	43.6	2	3	6	4	6	8	2							4	1	1		2	2	8	4	4	5	31		
June	50.3	1		2	4	15	6	1										4	5	8	5	6	1	29			
July	42.8		2	6	7	11	2	2	1								1		2	6	10	8	4	31			
August	54.5		1	2	6	7	11	4										2	6	5	10	7	1	31			
September	42.2	1	5	3	5	10	4	2									2	1	5	6	9	7		30			
October	39.0	1	6	6		12	3	2							1	1		1	2	6	2	7	9	1	30		
November	48.1		1	5	7	9	4	2		1					1			1	1	1	5	10	7	3	29		
December	40.0	1	4	9	4	5	4	1	1										6	6	12	2	3	29			
Year	48.6	6	26	47	54	119	69	33	4	1	1				7	2	1		2	5	18	46	68	109	79	23	360

Upper Air Frequency Table XVII for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED KNOTS	WINDS at 300 mb. : Number of observations at 1100 Zone Time of :—																										
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS		
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344	
January	62.2		2	4	1	9	7	3	5								1		5	8	8	9						31
February	75.9				1	10	7	5	2	2	1						1			6	9	9	3					28
March	72.3			1		12	6	6	5	1								1	3	9	13	5					31	
April	52.8		2	3	5	9	9	1	1								1	5	1		7	10	6				30	
May	57.0		5	3	2	5	7	6	3									1	1	4	6	4	6	6			31	
June	58.1			2	4	11	8	3	1									4	7	5	7	4	2				29	
July	49.6		2	5	3	15	2	1	2	1								1	1	5	14	8	2				31	
August	67.1			1	4	8	8	7	3									2	7	4	9	9					31	
September	52.5		2	3	4	9	9	2	1							1	1	1	6	4	8	9					30	
October	44.6	1	2	6	2	11	4	3						1				1	7	2	6	10	2				30	
November	58.7		1	1	4	11	8	3		1						1		1	2	5	9	6	5				29	
December	47.7		8	4	4	3	4	4	1	1						1		1		11	12		3				29	
Year	58.2	1	24	33	34	113	79	44	24	5	2			1		3	1	2	1	2	4	18	43	65	106	85	29	360

Upper Air Frequency Table XVIII for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 200 mb. : Number of observations at 1100 Zone Time of :-																								NUMBER OF ASCENTS								
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)																			
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to 109	110 to 119		120 to 129	130 to 139	140 to 149	150 to 159	160 to 169	>170	345 to 014	015 to 044	045 to 074	075 to 104	105 to 134		135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344	
January	51.8		1	2	6	11	10		1																		1	3	11	12	4		31	
February	67.1				3	8	9	5	2	1																		1	6	10	10	1	28	
March	61.3			1	1	14	9	6																				2	11	14	4		31	
April	49.4	1		6	5	8	9			1																1	5	2	5	12	5	30		
May	51.2		2	6	5	7	6	2	1	2																	1	3	8	5	8	1	31	
June	54.6			1	4	16	6	2																			1	9	7	5	6	1	29	
July	56.3				6	16	6		2	1																		1	4	15	9	2	31	
August	72.5				1	9	10	8	2	1									1									3	9	13	5		31	
September	60.7			2	2	9	14	3												1							1	3	9	11	6		30	
October	46.8		3	4	4	13	3	3																				2	6	13	9		30	
November	50.5		1	3	4	12	8	1																				2	6	10	10	1	29	
December	44.5	1	3	5	6	7	4	2	1																				10	13	5		29	
Year	55.6	2	10	30	47	130	94	32	9	6																	1	5	34	89	126	88	11	360

Upper Air Frequency Table XIX for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED KNOTS	WINDS at 150 mb. : Number of observations at 1100 Zone Time of :—																														
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS						
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344					
January	42.3		1	4	6	19																			3	13	11	3		30		
February	47.5			2	3	14	3																				7	7	8		22	
March	53.4				5	16	9	1																		2	12	16	1		31	
April	40.3				5	8	12	3																		3	7	1	16	1	28	
May	40.3	1	3	6	4	10	2	2																		3	5	9	8	3	28	
June	51.0			1	6	13	9																			4	13	6	6		29	
July	59.1				3	14	12	2																			4	17	9	1	31	
August	76.8					2	17	10	2																	1	11	15	4		31	
September	66.2			1	1	5	14	5																		3	4	14	5		26	
October	54.5			1	7	11	7	2	1																		4	16	9		29	
November	46.6		2	2	5	12	8																				7	14	6	2	29	
December	37.1	1	3	4	8	9	1	1																		1		1			27	
Year	51.3	2	9	26	56	137	85	23	3																		19	96	137	80	7	341

Upper Air Frequency Table XX for Stanley, Falkland Islands, 1954.

MONTH	MEAN WIND SPEED	WINDS at 100 mb. : Number of observations at 1100 Zone Time of :--														NUMBER OF ASCENTS																				
		SPEEDS (knots)													CALMS AND LIGHT VARIABLE		DIRECTIONS (degrees)																			
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014			015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344									
January	27.0	1	5	13	8	2									1											3	8	17								29
February	31.9			9	9	4																						3	12	7						22
March	38.0			7	10	11	1																			1	8	18	2						29	
April	37.4			7	11	9																					5	10	10		2				27	
May	35.6		2	7	5	6	3								1											1	4	10	8						24	
June	53.0			1	3	14	7																			1	13	7	4						25	
July	67.2				1	4	15	5																			1	20	4						25	
August	88.0						8	9	4	1																	5	15	2						22	
September	78.7					3	6	12	1																		4	17	1						22	
October	59.5				3	9	11	2	1																		5	17	4						26	
November	34.5		3	9	5	10																					7	11	8	1					27	
December	20.2	1	5	7	6	2									1	1										10	10								22	
Year	47.6	2	15	60	61	74	51	28	6	1					2	2										6	73	164	50	3					300	

Upper Air Frequency Table XXII for Stanley, Falkland Islands, 1954.

MONTH	HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 50ft. ranges :--																																																				
	850 mb. Mean height 4,380 ft. I.C.A.N. height 4,780 ft.																																																				
	315 <i>to</i> 319	320 <i>to</i> 324	325 <i>to</i> 329	330 <i>to</i> 334	335 <i>to</i> 339	340 <i>to</i> 344	345 <i>to</i> 349	350 <i>to</i> 354	355 <i>to</i> 359	360 <i>to</i> 364	365 <i>to</i> 369	370 <i>to</i> 374	375 <i>to</i> 379	380 <i>to</i> 384	385 <i>to</i> 389	390 <i>to</i> 394	395 <i>to</i> 399	400 <i>to</i> 404	405 <i>to</i> 409	410 <i>to</i> 414	415 <i>to</i> 419	420 <i>to</i> 424	425 <i>to</i> 429	430 <i>to</i> 434	435 <i>to</i> 439	440 <i>to</i> 444	445 <i>to</i> 449	450 <i>to</i> 454	455 <i>to</i> 459	460 <i>to</i> 464	465 <i>to</i> 469	470 <i>to</i> 474	475 <i>to</i> 479	480 <i>to</i> 484	485 <i>to</i> 489	490 <i>to</i> 494	495 <i>to</i> 499	500 <i>to</i> 504	505 <i>to</i> 509	510 <i>to</i> 514	515 <i>to</i> 519	520 <i>to</i> 524	525 <i>to</i> 529	530 <i>to</i> 534	535 <i>to</i> 539								
January												1	1			2		2	3	7	3	2	2	1	3	2		1		1																							
February								1		1				1		1		1	1		4	1	2		1	2	4	2		1	2	2																					
March											1		1				1	1		2	1	3	2	2	2	4	2	1	1	2	2	1	1	1																			
April															1		1			2	2	1		1	3	2	1	2	2	6		3	2	1																			
May														1	1		3	4	1	1	2	3	1			1	2	3	2	1	1				2	2																	
June																					2	2		3	2	4	1	2	5	3	4			2																			
July							1					1				1	1	1	2	3	4	2	2	1	1	3	1	3		2	1			1																			
August												1			1	2	1	4	2	1	7					1	2	2	4	1				1						1			1										
September												1	1		1	1	1	1	3			4	3	1	1	1	1	1	2	1	1		1	1					1				1		1								
October																1					3	1	2	1	4	5	2	2			2	2	3	2																			
November																1				2	1	4	3	1	4		4	1	1	3	1	1	3																				
December																1		3	3	3	4	1			5	4	2	1	1	1	1	1																					
Year							1	1		1	3	3	3	2	5	8	9	17	15	23	36	23	15	19	22	32	18	23	17	17	15	12	8	8	3	3	1	1															

Upper Air Frequency Table XXIV for Stanley, Falkland Islands, 1954.

22 HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :—

700 mb. Mean height 9,380 ft. I.C.A.N. height 9,880 ft.

MONTH	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116								
January																	1	3	2	8	6	2	3	3	3																												
February																	1	2	1	2	1	2	2	1	5	3	2	5	1																								
March																	1	1		1	2	1	5	2	3	4	4	4	2	1																							
April																			2		2	2	2	2	3	2	4	3	7	1																							
May																	1	1	1	6	2	3	3	2		5	2	1		4																							
June																				1	1	1	5	4	5	7	4	1	1																								
July													1				1		1	5	1	6	6	3	1	2	3		1																								
August														1			1	1	2	6	5	3	1	3	5	1	1																										
September															1	1			3	4		6	4	1	4	2	1	1	1	1																							
October																				1			3	2	5	7	3	4	2	2	1																						
November																			1	1	2	6	2	2	4	3	3	3	3																								
December																			1			6	5	4	5	5	2	3																									
Year													1	1	1	6	6	15	29	30	44	38	33	45	37	31	20	18	9																								

Upper Air Frequency Table XXVIII for Stanley, Falkland Islands, 1954.

MONTH	²² HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :—																																																
	300 mb. Mean height 29,160 ft. I.C.A.N. height 30,050 ft.																																																
	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316				
January											2			6		1	2	3	2	1	2	1	3	2	2	2	1		1																				
February									1				1			1			3	2	3	3		1			2		3	1	4	3																	
March												1	1	2		2	1	2	1	1	2	1	1	2	2	1	3	4		1	1	2																	
April									1			2	1		1	1		1	2		1	4		1	1	3	1	2	1		3	3																	
May						1							1	4	1	2	4		2	1	1	2	2		1	1	2	3	1																				
June									1	1			2	3	4	1	1	2	1	3	4		3			2	1	1																					
July						1	1	3	3	2	1	1		1	2	2	1	3	3	1	1	1	3					1																					
August					1	1	2		1	1		3	2	3	4	3	1	3	1	1	1				1		1		1																				
September				1				1	3		2	1	3	1	2	1	5	1	1	3	1		2	1	1																								
October															2		1	4	4	1	4	3	3	2	2			2	1	1																			
November										1			1	2	2	4	1	2		1	1		2	1		3	2	3	1	3																			
December																5	3	4	1	6	2	3	1		3		2	1																					
Year				1	1	2	3	2	7	9	6	7	9	11	24	16	25	18	23	23	19	21	20	19	11	11	13	15	17	8	6	8	8															1	

Upper Air Frequency Table XXX for Stanley, Falkland Islands, 1954.

MONTH	22 HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :—																																																				
	150 mb. Mean height 43,820 ft. I.C.A.N. height 44,610 ft.																																																				
	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464								
January																		3	2	5	3	2	6	4	2				2	1																							
February																		1	1	1	2	1	2	3	2			2	3	1	2	1		2	2																		
March																		1	4	4	2	2	2	2	1	4	3	2	2		1																						
April													2				3	2	2	1	3	1	1	1		4	2	2		4																							
May							1		1	1	1	2	3	2	3	1	1	2	2	3	2	1	2		2	1																											
June						1		1	2	3	4	3	1	2		4	1	3	1	3		1																															
July						1	3	2	2	4	3	4	2	1	4	1		3	1																																		
August	2			3	1	1		3	2	5	2	5	3		1						1	1		1																													
September		1	2	1	3		1	4	4			2	2	2		2	1				2																																
October										1			1	2	1	2		1	4	4	1	4	4	1	1	1	2																										
November													1	2	2	1	2		3	1	1	1	1	1	3	2	3	2	2	1																							
December																		1	4	7	2	3	5	1	2	2	2																										
Year	2	1	2	4	4	3	5	10	11	14	10	16	12	12	11	10	8	14	19	23	27	18	16	19	16	15	13	11	9	9	2	2																					

Upper Air Frequency Table XXXI for Stanley, Falkland Islands, 1954.

MONTH	²³ HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :—																																																	
	100 mb. Mean height 52,350 ft. I.C.A.N. height 53,040 ft.																																																	
	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544					
January																					1					1	1	2	1	4	4	6	1	2	1	1	1	1												
February																													1	1	2	4	2	2	2	2	3		1	2	1	2								
March																													7	2	5	4	2	2	5	2	1													
April																				1		2		4	2	2	2	1	1	1	5	2	1	1		1														
May														1		1	2	5	1	2	1	1	3	3	1	1	1	2		1		1																		
June							1			1			4	2	1	1	2	1	2		3	3	3	2		1																								
July									1		1	4	4	6	4	1	3		4	1	1																													
August			1			1			1	1	3	1	4	2	2	5	3	2				1		1				1																						
September					1	2	1	1	3	4	2	1			1	1	1	2		1		1		1	1																									
October																1	3				2		2	2	1	5	2	2	3	1		2	1																	
November																					1	1	4	2			1	3	2		1	2	6	2	1	1														
December																										1	3	3	1	5	5	3	2	2	1															
Year			1		1	3	2	1	4	7	5	3	12	9	10	12	10	16	3	8	8	9	10	15	8	12	11	21	11	19	23	20	15	14	7	7	1	2	2	1	2									

Means and Extremes Table I for Grytviken, South Georgia, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN ¹ DAILY		EXTREMES			
		HIGH	DATE	LOW	DATE	0100	0400	0700	1000	1300	1600	1900	2200		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	987.7	1016.3	7th	969.8	9th	38.6	37.4	39.4	41.7	43.0	42.6	40.8	39.1	40.3	46.8	35.2	55	11th	31	21st, 22nd
February	996.7	1014.6	17th	971.6	24th	41.4	40.6	41.4	42.7	46.5	46.9	44.9	42.6	43.4	51.0	37.6	67	8th	32	1st, 19th
March	994.5	1016.6	25th	970.2	12th	36.8	36.0	36.1	38.9	41.6	41.4	39.4	38.2	38.5	45.1	33.5	54	21st	26	10th
April	1000.3	1024.6	19th	966.5	24th	41.0	41.4	41.4	42.3	44.7	44.2	41.1	41.0	42.1	49.5	36.3	<u>68</u>	<u>17th, 18th</u>	27	26th
May	998.4	1019.0	11th	969.0	29th	34.3	34.5	33.6	33.6	35.3	35.1	33.6	34.0	34.3	40.3	28.7	54	26th	20	30th
June	997.1	1015.2	21st	974.3	15th	29.5	29.7	29.5	29.8	31.3	30.3	29.8	29.5	29.9	35.2	24.4	52	25th	15	12th
July	1000.2	1025.2	5th	977.3	17th	30.3	30.5	30.1	30.0	30.5	29.7	29.8	31.0	30.2	36.2	24.8	50	6th, 7th	17	18th, 19th
August	995.3	1032.3	27th	973.0	24th	23.5	22.7	23.0	24.0	26.7	26.0	24.1	24.3	24.3	29.7	19.0	44	30th	<u>9</u>	<u>13th</u>
September	998.5	1022.0	22nd	971.0	7th	27.4	27.4	27.8	29.5	32.8	31.6	29.1	28.3	29.2	34.7	24.0	44	6th	14	27th, 28th
October	1009.5	<u>1033.5</u>	<u>23rd</u>	987.7	2nd	33.8	34.4	35.1	37.3	39.1	38.8	36.6	35.4	36.3	42.6	31.2	56	27th	23	6th
November	1001.1	1021.5	17th	977.3	24th	38.7	38.4	39.9	42.2	43.9	43.2	41.7	40.3	41.0	48.3	35.1	61	16th	29	30th
December	995.7	1013.9	20th	<u>959.3</u>	<u>14th</u>	34.5	33.8	35.3	37.4	38.2	38.2	36.7	35.2	36.2	41.4	32.0	54	1st	28	6th, 10th
Total	11975.0	12254.7	—	11667.0	—	409.8	406.8	412.6	429.4	453.6	448.0	427.6	418.9	425.7	500.8	361.8	659	—	271	—
Mean	997.9	1021.2	—	972.3	—	34.1	33.9	34.4	35.8	37.8	37.3	35.6	34.9	35.5	41.7	30.1	54.9	—	22.6	—

Means and Extremes Table II for Grytviken, South Georgia, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0100	0400	0700	1000	1300	1600	1900	2200		0100	0400	0700	1000	1300	1600	1900		2200	REC.					EST.
January	70	75	73	66	64	64	68	72	69	5.1	5.3	6.4	6.2	6.4	6.5	5.9	6.0	6.0	5.6	5.7	16.4	58.7	10.0	27th
February	77	80	76	77	67	65	67	73	73	5.4	6.3	6.1	6.1	6.0	6.1	5.7	5.7	5.9	5.1	5.3	14.7	98.3	34.4	24th
March	81	84	80	72	67	66	70	75	74	5.0	5.8	6.3	6.4	6.3	6.4	6.3	5.6	6.0	3.8	4.1	12.5	175.8	52.5	12th
April	72	73	74	73	68	67	74	72	72	4.4	4.1	5.6	6.0	5.7	5.2	5.5	5.0	5.2	2.9	4.7	10.3	149.5	46.8	9th
May	80	79	82	83	80	78	81	81	81	4.7	5.1	5.5	6.4	5.5	5.9	5.0	5.0	5.4	0.9	3.9	8.5	187.1	<u>56.0</u>	<u>2nd</u>
June	73	73	75	75	73	72	76	73	74	5.4	5.0	4.2	5.6	4.7	5.1	4.5	4.8	4.9	0.0	2.7	7.5	67.3	21.7	14th
July	75	78	79	81	80	83	80	74	79	4.8	4.4	5.0	6.5	6.1	5.7	4.7	3.9	5.1	0.4	2.0	7.9	143.5	43.6	23rd
August	81	79	78	76	72	76	78	80	77	5.0	5.0	4.9	5.0	4.3	5.4	4.6	5.0	4.9	2.6	4.4	9.6	81.5	13.8	23rd
September	77	76	73	73	68	70	75	77	74	4.3	4.3	4.3	4.9	4.7	5.3	4.8	3.7	4.5	4.7	6.1	11.6	93.8	24.7	6th
October	85	81	81	78	75	75	81	81	80	3.9	4.8	5.4	5.3	4.9	5.5	5.4	4.3	4.9	5.7	6.1	13.8	31.6	6.4	7th
November	78	78	75	69	67	67	69	75	72	4.4	4.8	6.2	6.2	6.5	6.5	5.9	5.7	5.8	5.6	6.0	15.8	72.6	30.2	20th
December	83	83	79	74	70	72	77	80	77	6.2	6.5	6.6	6.9	7.3	7.2	7.0	6.3	6.7	3.3	3.6	17.0	60.6	22.0	14th
Total	932	939	925	897	851	855	896	913	902	58.6	61.4	66.5	71.5	68.4	70.8	65.3	61.0	65.3	40.6	54.6	145.6	1220.3	362.1	—
Mean	78	78	77	75	71	71	75	76	75	4.9	5.1	5.5	6.0	5.7	5.9	5.4	5.1	5.4	3.4	4.5	12.1	101.7	30.2	—

Frequency Table I for Grytviken, South Georgia, 1954.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																				
	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	1040.0	1045.0	1050.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9	1044.9	1049.9	1054.9
January				2	29	21	45	50	47	35	3	6	6	4							
February					3	10	10	16	43	67	40	18	17								
March					11	24	26	32	29	38	23	35	25	5							
April			1	6	6	16	21	27	29	41	47	16	12	18							
May			4	15	17	17	27	14	21	26	42	42	23								
June				3	5	20	25	43	45	50	31	17	1								
July					7	21	32	23	19	55	55	20	7	6	3						
August				4	13	23	50	42	47	25	15	8	9	2	5	5					
September				4	15	16	21	43	30	37	20	37	12	5							
October							2	24	27	41	41	38	29	25	10	11					
November					12	18	8	29	52	26	40	19	25	11							
December		3	3	2	3	9	8	30	50	43	48	34	15								
Year		3	3	9	78	139	220	314	414	453	415	384	260	127	67	18	16				

Frequency Table III for Grytviken, South Georgia, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January				2		4	6	12	27	34	21	21	25	19	27	17	19	12	2
February				2	1	5	3	13	14	20	20	23	21	14	18	11	19	26	14
March					2	3	9	5	14	16	23	22	23	23	27	27	29	13	12
April		1		3	3	8	7	13	11	22	19	14	25	24	22	22	17	16	13
May				1		1	2		5	13	30	18	21	24	13	31	38	29	22
June						4	1	7	10	21	21	23	30	42	20	23	18	12	8
July							2		5	4	13	21	31	26	17	23	30	42	27
August					1			2	6	14	12	18	19	21	27	28	43	30	25
September								2	5	12	21	30	23	33	25	31	24	16	15
October						1	2	3	7	12	14	25	17	28	33	36	35	26	9
November	4	4	2	7	3	4	3	11	13	11	18	7	15	17	22	23	34	27	15
December							1	9	13	19	18	12	21	35	30	34	22	23	11
Totals	4	5	2	15	10	32	38	89	144	214	253	238	278	295	294	321	319	251	118
Mean	—	—	—	1	1	3	3	7	12	18	21	20	23	25	25	27	27	21	10

Frequency Table IV for Grytviken, South Georgia, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No Cloud	TRACES DISREGARDED ⁷					
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	> 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS							7-8 OKTAS													
																	0	30	60	120	300	600	1200	2400	2400	> 6000	0	30	60	120			300	600	1200	2400	> 6000
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	to 6000	to 30	to 60	to 120	to 300	to 600			to 1200	to 2400	to 6000	to 6000	
January					3	33	48	67	97	14	60	46	72	56	2	1	4	(3) 7	(3) 36	(35) 165	(13) 10	9	12			(3) 2	(2) 8	(31) 46	(11)	4	5	2	9				
February	1	2	2	3	3	19	32	33	129	24	54	53	41	48	1	4	3	6	(4) 20	(17) 91	(6) 35	20	24	4	2	4	10	(3) 6	(15) 27	(3) 3	6	7	3	23			
March			1	5	6	28	56	55	97	30	53	35	55	71	4	4		2	(1) 9	(3) 32	(22) 132	(9) 23	13	23	4		2	(1) 3	(3) 12	(18) 56	(6) 7	5	13	10	16		
April			1	3	6	20	39	51	120	39	68	42	41	48	2	3	2		(2) 8	(2) 24	(11) 123	(2) 26	18	21	2		(2) 3	(2) 16	(5) 40	4	4	8	15	15			
May	3	5	12	8	14	20	38	52	96	56	33	24	46	68	21	22	3	2	12	43	(11) 97	(7) 9	9	21	21	2	7	31	(10) 39	(6) 2	1	3	30	4			
June		1	5	5	11	29	31	53	105	48	54	35	48	38	17	17	1	1	4	(1) 23	(4) 124	(1) 15	24	9	17		1	3	(1) 19	(4) 17		2	3	22	7		
July	1	1	9	8	15	24	33	52	105	50	57	26	46	46	23	25	1	1	4	31	(10) 108	(1) 20	18	11	23		4	17	(9) 41	(1) 3	6	4	29	8			
August		1	4	17	10	26	32	44	114	39	69	19	49	47	25	25		1	2	37	(8) 120	(2) 17	11	14	25		2	26	(5) 44		4	2	21	7			
September				9	7	21	34	44	125	57	62	27	31	56	7	7		4	9	(1) 26	(8) 105	(3) 22	28	17	7		2	6	(1) 20	(6) 37	(2) 4	2	5	22	10		
October	1	2		2	5	14	35	79	110	41	57	35	54	57	4	5	1		4	(1) 37	(14) 153	(5) 3	10	9	4		(1) 28	(12) 53	(4) 1	1	3	26	4				
November	1	1	3		6	21	30	71	107	49	56	39	26	66	4	5	6	9	(3) 21	(13) 31	(29) 98	(6) 11	32	22	4	3	2	(3) 8	(12) 11	(24) 16	(5) 4	5	6	5	10		
December			4	5	3	15	33	115	73	5	35	48	52	103	5	5			(1) 1	(2) 11	(4) 41	(34) 160	(18) 17	6	7	5		(2) 1	(4) 18	(30) 65	(16) 7	1	1		8		
Total	7	13	41	65	89	270	441	716	1278	452	658	429	561	704	116	124	18	(1) 31	(11) 109	(32) 381	(203) 1476	(73) 208	198	190	116	7	11	(11) 49	(29) 212	(169) 511	(54) 35	41	60	185	121		
Mean	1	1	3	5	7	23	37	60	107	38	55	36	47	59	10	10	1	(-) 3	(1) 9	(3) 32	(17) 123	(6) 17	17	16	10	1	1	(1) 4	(2) 18	(14) 45	(5) 3	3	5	15	10		

Frequency Table V for Grytviken, South Georgia, 1954.

MONTH	WEATHER: No. of Days ¹																									
	TEMPERATURE ⁸				PRECIPITATION ¹			9	9	10	18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16 FOG		10 & 17 HAIL		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm ||	>1.0 mm ||	>10.0 mm ||	WIND FORCE = ^	WIND FORCE = ^	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft	
	>41°F	<23°F	<14°F	>59°F	||	||	||																			
January					23	14	1	3		23	13	11	8	1	13					21				4	3	
February	2			1	19	13	2	8	1	23	1	1	7		13					14	3		2			
March	1				26	19	7	9	1	21	11	14	7		18	1	5			19	2			7		
April	4			5	18	12	6	11	2	18	7	5	4		10	2	2			14	2			2		
May	2				24	18	5	8	2	11	20	3	6		12		19		7	17	3	5		5		
June					21	10	1	7		5	23	2	1		10	2	30		9	23	1	6		3		
July					22	15	5	8		5	24	6	1		11		28		6	13		8		3	2	
August		2	6		19	12	3	7	1	1	27	3			11	3	31		15	14		7		1	4	
September		1			12	9	4	6	2	2	22	4			9	5	30		7	15			1		1	
October					16	7		7		17	10	8	2		14	2	23		2	15	2			1		
November	2			3	17	9	2	5	1	20	5	3	4		15	1	1			11	3			1		
December					17	12	1	4		13	20	7	2		22		4		2	13	1	2			1	
Total	11	3	6	9	234	150	37	83	10	159	183	67	42	1	158	16	173		48	189	17	28	3	27	11	
Mean	1	—	1	1	19	13	3	7	1	13	15	6	3	—	13	1	14		4	16	1	2	—	2	1	

Not recorded.

Frequency Table VI for Grytviken, South Georgia, 1954.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	8.6		4	100	89	55	27	3	6	20	10			1	2	17	40	67
February	8.7		14	71	82	57	23	4	6	18	12	2	2	1	5	15	36	43
March	8.7	1	16	77	78	76	21	5	3	16	12	3	4	4	8	13	37	46
April	11.3	2	22	109	56	51	35	4		7	13	2	2	2	7	19	42	56
May	7.8	1	13	79	52	103	17	2	1	4	6	2	3	1	9	17	42	41
June	9.1		15	91	67	67	19			5	8	4		2	14	21	39	61
July	7.9		10	90	41	107	22			4	7	2	1	2	13	27	29	34
August	6.8	1	10	64	61	112	11	2		2	8	3	7	3	21	30	19	30
September	8.5	3	9	97	41	90	17	4			13	4	3	3	8	23	29	46
October	8.3		12	85	72	79	45	6	1	8	5	3		2	2	11	26	60
November	8.1		13	70	88	69	31	4	1	23	25	6	2	2	2	11	29	35
December	8.0		10	71	107	60	27	4	5	33	55	11	1		5	10	12	25
Total	101.8	8	148	1004	834	926	295	38	23	140	174	42	25	23	96	214	380	544
Mean	8.5	1	12	84	69	77	25	3	2	12	15	3	2	2	8	18	32	45

Frequency Tables VII to X for Grytviken, South Georgia, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2			2	2					1		3	10
2	7		3	6						1	1	2	20
3	10	3	2	7	3					6	6	22	59
4	6		1	4	5			1	2	7	19	33	78
5	2			1						1	13	5	22
6											1	1	2
7										1		1	2
≥ 8													
Totals	27	3	6	20	10			1	2	17	40	67	193

CALMS - 55

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2			1	3								11
2	8			4	6	4	1	1			1		23
3	8	2		1	6	8	1	1					48
4	5	2			3						5	5	53
5									1	3	7	7	18
6								1	2	1	5	3	12
7									2				2
≥ 8													
Totals	23	4	6	18	12	2	2	1	5	15	36	43	167

CALMS - 57

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1		1	1			1	1		2	3	11
2	8	4	1	6	1	1	1	1	1			1	26
3	8		2	7	5	1	2		2	3	6	5	41
4	2			1	5	1	1	1	2	4	11	18	46
5	2			1				1	2	3	11	11	31
6										1	3	7	11
7											4	1	5
≥ 8									1				1
Totals	21	5	3	16	12	3	4	4	8	13	37	46	172

CALMS - 76

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	4			2	2		1	1					12
2	5	3		1	2	1	1			1			16
3	11			1	2	1					5	6	28
4	11	1		3	6			1		2	8	11	60
5	3				1				2	4	16	23	49
6	1								2	1	7	4	15
7										4	2	1	7
≥ 8											1	1	2
Totals	35	4		7	13	2	2	2	7	19	42	56	189

CALMS - 51

Frequency Tables XI to XIV for Grytviken, South Georgia, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3			1	1		1				1	1	8
2	3	2		2	1	1	1				1	3	14
3	8		1		4			1	1	3	1	11	30
4	2			1		1			5	9	15	15	48
5	1						1		1	3	15	10	31
6									1	2	6		9
7									1		2	1	4
≥ 8											1		1
Totals	17	2	1	4	6	2	3	1	9	17	42	41	145

CALMS - 103

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3							1	4	4	3	2	17
2	5				3	1			2	2	1	1	15
3	4				2	3	1	1	1	5	8	10	35
4	7					3	2		4	6	12	25	59
5							1		2	2	9	18	32
6									1	2	5	4	13
7											1	1	2
≥ 8													
Totals	19				5	8	4	2	14	21	39	61	173

CALMS - 67

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2									3			5
2	6			1		1	1			2	1	2	14
3	3			3	3			1	3	6	1	2	22
4	8				3	1			3	9	12	14	50
5	2				1			1	3	4	14	15	40
6	1								3	3	1	1	9
7									1				1
≥ 8													
Totals	22			4	7	2	1	2	13	27	29	34	141

CALMS - 107

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			1	1	1	1	1	2	6	3	1	18
2	4			1			1		3	2	2	4	17
3	3	2			3		4		6	2	1	5	26
4	1				1	1	1	1	4	10	5	13	37
5	2				1	1		1	5	7	5	5	27
6					2				1	1	3	2	9
7										1			1
≥ 8									1				1
Totals	11	2		2	8	3	7	3	21	30	19	30	136

CALMS - 112

Frequency Tables XV to XVIII for Grytviken, South Georgia, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1				1	2				2	1	1	8
2	4	3			2	1		1					11
3	4	1			3	1	1		1	2	2	7	22
4	5				8	1			4	6	16	25	65
5	2							2	1	9	8	10	32
6	1								2	2	2	2	9
7													
≥ 8										2		1	3
Totals	17	4			13	4	3	3	8	23	29	46	150

CALMS - 90

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	7				2	1		1			1	4	16
2	10	2	1		6	2	2		1	1	1	1	28
3	12	3			3							2	28
4	11	1								2	8	26	48
5	4								1	3	11	18	37
6	1									4	2	3	10
7										1	1		2
≥ 8													
Totals	45	6	1		8	5	3		2	2	11	26	169

CALMS - 79

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	4			5	3	3							15
2	7	2		8	7	1	2			2	3	3	35
3	16	1	1	7	8	2						3	38
4	4	1		3	2			2		2	9	17	40
5					5				2	3	11	9	30
6										3	5	3	11
7										1	1		2
≥ 8													
Totals	31	4	1	23	25	6	2	2	2	11	29	35	171

CALMS - 69

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3			2	4	1	2	1				1	4
2	13	1			14	7	1					1	5
3	8	2	2	10	13	2			1	2	2	5	47
4	2	1	1	5	19	1			3	5	4	8	49
5					12	2			1	1	3	3	22
6	1				1	2				2	1		7
7					2	1							3
≥ 8													
Totals	27	4	5	33	55	11	1		5	10	12	25	188

CALMS - 60

Frequency Table XIX for Grytviken, South Georgia, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	33	1	3	21	11	9	7	5	7	17	12	23	149
2	80	17	9	54	27	9	7	3	7	12	12	24	261
3	95	14	9	43	58	9	8	3	16	35	39	95	424
4	64	6	2	20	52	8	2	6	29	73	140	231	633
5	18			2	20	4	1	5	21	43	123	134	371
6	5				4	2		1	12	22	41	30	117
7					2	1			4	8	11	5	31
=> 8										4	2	2	8
Totals	295	38	23	140	174	42	25	23	96	214	380	544	1994

Frequency Table XX for Grytviken, South Georgia, 1954.

MONTH	RAINFALL (mms.) : Number of days of ↓																																																
	Nth	Trace	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Nth - 0.9	1.0 - 1.9	2.0 - 2.9	3.0 - 3.9	4.0 - 4.9	5.0 - 5.9	6.0 - 6.9	7.0 - 7.9	8.0 - 8.9	9.0 - 9.9	Nth - 9.9	10.0 - 14.9	15.0 - 19.9	20.0 - 24.9	25.0 - 29.9	30.0 - 34.9	35.0 - 39.9	40.0 - 44.9	45.0 - 49.9	50.0 - 54.9	55.0 - 59.9	60.0 - 64.9	65.0 - 69.9	70.0 - 74.9	75.0 - 79.9	> = 80.0												
January	4	4	2	2	3		1				1		17	5	1	3	1	1	1	1			30	1																									
February	4	5	3		1	1		1					15	5	1		1	1	1	1		1	26		1			1																					
March	2	3		3		1			1	1	1		12	2	2	3	2		1		1	1	24	6								1																	
April	9	3	2		2		1			1			18	2	2			1			1	1	24	3	1		1				1																		
May	5	2		1		1		1	1	2			13	2	3		4				3	1	26	2	1	1							1																
June	3	6	2	2	1	1	1	1	2	1			20	3		2	1			1		2	29			1																							
July	4	5	1	1	4				1				16	3	1	3		1			2	26	3	1				1																					
August	4	8	1	2			1		2	1			19	1	2	2	1		1	1	1	28	3																										
September	7	11	1			1				1			21	3			1				1	26	1	1	2																								
October	8	7	2	1	1		3		1		1		24	2		1	2		2			31																											
November	7	6	2		2	1		1		1	1		21	3	1	1		2				28		1			1																						
December	6	8	2	1							2		19	4	3	3				1		30			1																								
Year	63	68	18	13	14	6	7	4	8	9	5		215	35	16	18	13	6	6	2	7	10	328	19	6	5	1	2				1	1	1	1														

Means and Extremes Table I for Signy Island, South Orkneys, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)															
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES				
		HIGH	DATE	LOW	DATE	0000	0300	0600	0900	1200	1500	1800	2100		MAX.	MIN.	MAX.	DATE	MIN.	DATE	
January	983.9	1001.7	5th	967.7	16th	31.7	31.2	31.5	32.4	33.4	33.0	32.3	31.9	32.2	35.3	29.3	46	7th	26	14th	
February	986.6	1005.5	16th	955.7	24th	34.7	34.1	34.9	34.7	35.6	35.5	34.6	34.5	34.8	39.0	31.2	50	7th	26	21st	
March	991.0	1010.6	9th	958.0	12th	31.7	31.6	31.4	31.9	32.3	32.4	32.1	32.1	31.9	35.1	29.1	41	20, 21, 31	26	26th	
April	990.1	1012.3	19th	970.8	25th	31.0	31.3	31.6	31.9	32.2	31.9	31.6	31.0	31.6	36.0	27.1	47	7th	17	21st, 24th	
May	990.7	<u>1024.2</u>	<u>5th</u>	963.5	19th	25.5	25.8	25.7	26.2	26.9	26.8	26.3	25.3	26.1	31.5	20.7	42	12th, 24th	0	31st	
June	996.8	1020.1	16th	968.7	25th	9.3	9.3	9.2	9.1	8.3	8.0	8.8	9.5	8.9	18.7	0.8	45	25th	-16	16th	
July	993.8	1014.9	13th	959.7	8th	17.0	17.1	16.5	15.9	16.4	17.0	17.0	16.5	16.7	23.9	9.3	42	26th	-25	17th	
August	991.1	1022.7	26th	962.2	30th	6.4	5.7	5.5	8.1	8.9	8.4	6.8	6.4	7.0	14.9	-1.4	40	29th	-28	<u>12th</u>	
September	995.9	1018.8	27th	<u>949.9</u>	<u>7th</u>	12.2	12.3	12.4	13.2	15.7	16.6	15.7	14.2	14.0	22.5	4.1	39	6th	-24	2nd, 3rd	
October	991.7	1018.8	22nd	975.2	18th	29.3	29.4	30.0	30.9	31.9	31.8	31.3	30.5	30.6	36.0	25.7	45	11th	10	4th, 5th	
November	993.6	1012.5	17th	971.2	14th	31.3	31.4	31.6	32.8	32.2	32.6	32.4	31.9	32.0	36.8	28.1	<u>53</u>	<u>6th, 16th</u>	21	26th	
December	999.0	1012.1	13th	977.3	1st	30.8	30.5	30.7	31.5	32.2	32.3	31.5	30.7	31.3	34.0	27.5	41	19th	23	5, 16, 17	
Total	11904.2	12174.2	—	11579.9	—	290.9	289.7	291.0	298.6	306.0	306.3	300.4	294.5	297.1	363.7	231.5	531	—	56	—	
Mean	992.0	1014.5	—	965.0	—	24.2	24.1	24.3	24.9	25.5	25.5	25.0	24.5	24.8	30.3	19.3	44.3	—	4.7	—	

Means and Extremes Table II for Signy Island, South Orkneys, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0000	0300	0600	0900	1200	1500	1800	2100		0000	0300	0600	0900	1200	1500	1800		2100	REC.					EST.
January	87	88	88	85	81	84	87	86	86	7.8	7.7	7.6	7.4	7.4	7.5	7.5	7.7	7.6	1.9	2.0	18.1	•	•	•
February	88	87	87	87	82	82	87	87	86	7.7	7.7	7.9	7.6	7.1	7.5	7.6	7.8	7.6	1.8	2.0	15.5	39.4	8.7	24th
March	86	85	86	85	83	84	85	84	85	7.5	7.7	7.8	7.6	7.6	7.2	7.3	7.5	7.5	1.2	1.3	12.7	78.8	30.1	11th
April	89	87	87	87	84	86	85	88	87	6.4	6.6	7.1	7.2	6.7	6.9	7.3	6.4	6.8	1.3	1.5	9.8	23.6	7.2	16th
May	88	88	88	87	84	84	86	87	87	7.3	6.8	6.7	7.2	7.2	7.2	7.2	6.8	7.1	0.6	1.0	7.2	32.0	10.1	22nd
June	83	84	85	84	79	81	78	82	82	6.1	6.4	6.6	6.9	6.2	7.0	5.9	6.4	6.4	0.3	1.2	5.7	15.8	12.0	29th
July	86	87	86	87	82	84	85	86	85	6.2	6.5	6.6	6.7	6.9	6.6	6.7	6.4	6.6	0.6	0.9	6.4	46.0	<u>35.0</u>	<u>22nd</u>
August	81	82	82	79	82	79	81	83	81	6.0	6.1	6.4	7.0	6.8	6.0	5.8	5.6	6.2	1.4	1.7	8.8	27.9	8.0	27th
September	86	86	86	85	84	83	85	86	85	6.0	6.1	6.3	6.5	6.4	6.4	6.7	6.5	6.4	2.5	3.2	11.5	8.5	4.5	1st
October	91	91	89	88	87	89	89	91	89	6.9	6.9	7.4	7.4	7.0	7.1	7.0	7.3	7.1	1.9	2.2	14.4	8.2	3.6	27th
November	91	93	91	90	91	91	90	90	91	7.3	7.3	7.7	7.1	7.5	7.6	7.2	7.2	7.4	2.1	2.1	17.1	30.8	11.7	30th
December	88	89	88	89	85	86	88	89	88	7.8	7.9	7.7	7.6	7.6	7.4	7.8	7.9	7.7	0.7	0.7	19.0	20.0	8.1	29th
Total	1044	1047	1043	1033	1007	1013	1026	1039	1032	83.0	83.7	85.8	86.2	84.4	84.4	84.0	83.5	84.4	16.3	19.8	146.2	331.0	139.0	—
Mean	87	87	87	86	84	84	85	87	86	6.9	7.0	7.1	7.2	7.0	7.0	7.0	7.0	7.0	1.4	1.7	12.2	30.1	12.6	—

* Not recorded.

Frequency Table I for Signy Island, South Orkneys, 1954.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																					
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	
	to 939.9	to 944.9	to 949.9	to 954.9	to 959.9	to 964.9	to 969.9	to 974.9	to 979.9	to 984.9	to 989.9	to 994.9	to 999.9	to 1004.9	to 1009.9	to 1014.9	to 1019.9	to 1024.9	to 1029.9	to 1034.9	to 1039.9	
January							4	24	71	54	26	24	32	10								
February					7	3	3	9	17	35	67	40	36	5	2							
March					8	4	6	16	12	33	27	26	44	34	28	10						
April								4	15	63	56	28	39	16	10	9						
May						5	11	14	17	37	46	29	29	12	33	7	3	5				
June							1	7	8	10	42	32	40	60	11	18	9	2				
July					1	5	11	6	14	14	21	31	65	40	30	10						
August						2	11	17	7	25	27	31	40	56	17	3	5	7				
September			1	3	10	3	5	13	15	25	32	22	45	19	26	13	8					
October									6	32	45	52	29	34	20	14	16					
November								13	34	30	21	34	49	39	15	5						
December									3	4	11	38	84	68	29	11						
Year			1	3	26	22	52	123	222	362	421	387	532	393	221	100	41	14				

Frequency Table III for Signy Island, South Orkneys, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 5																		
	< 15	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 to 99	= > 100
January											6	10	16	31	30	45	49	59	2
February										1	5	11	17	19	25	52	51	42	1
March										1	2	10	20	40	41	54	40	36	4
April										3	5	3	9	21	46	60	61	32	
May								1	3		5	9	9	18	30	53	81	39	
June							2	3	5	1	6	6	20	37	45	56	45	14	
July								2		1	3	5	14	27	45	63	50	37	1
August							2	1		2	6	17	28	44	47	36	45	19	1
September	1					1			3	4	5	13	14	11	34	54	54	45	1
October										3	1	3	3	9	30	53	87	57	2
November											5			8	19	48	74	82	4
December										1	2	2	13	16	38	64	61	42	9
Totals	1					1	4	7	11	17	51	89	163	281	430	638	698	504	25
Mean	—					—	—	1	1	1	4	7	14	23	36	53	58	42	2

Frequency Table IV for Signy Island, South Orkneys, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶									LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No CLOUD ⁷	TRACES DISREGARDED					
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	=	0	1-2	3-5	6-7	8	9	ALL AMOUNTS							7-8 OKTAS												
																	0	30	60	120	300	600	1200	2400	=	0	30	60	120			300	600	1200	2400	=
																	to	to	to	to	to	to	to	to	>	to	to	to	to			to	to	to	to	to
January				2		3	16	50	77	100	4	5	17	43	173	6	6		1	(1) 36	(1) 66	(16) 113	(5) 22	3	1	6		1	25	(1) 56	(15) 92	(5) 12	2	1		
February				4	1	5	47	39	79	49	1	5	19	40	157	2	2	3	67	(13) 96	(16) 47	(10) 8	1		2		3	57	(13) 60	(15) 25	(9) 4					
March					5	9	41	37	52	104	1	8	22	46	171			1	6	(1) 68	(17) 110	(26) 62	(8)	1		1	6	(1) 58	(17) 62	(24) 32	(7)		1			
April				3	5	3	40	54	47	88	8	22	35	38	137			2	20	(1) 55	(19) 65	(11) 77	(3) 7	10	1	2	17	(1) 41	(19) 40	(10) 35	(2)		2		3	6
May			1	7	7	5	72	65	31	60	15	20	29	38	145	1	1	8	25	(1) 65	(18) 71	(10) 49	6	20	3	1	7	22	(1) 47	(18) 53	(9) 21	2	2			8
June				1	6	5	41	52	52	83	6	37	36	47	113	1	7	1	10	(3) 63	(11) 88	(11) 50	(7) 4	12	4	1	1	6	(1) 37	(7) 55	(8) 21	(5) 1	3		1	11
July			1	4	10	12	45	63	44	69	3	33	35	56	120	1	3	4	14	(1) 64	(10) 116	(24) 40	(8) 2	3		1	3	8	(1) 51	(9) 58	(18) 14	(3)		2		2
August				7	9	9	44	68	31	80	21	32	40	50	103	2	3	3	15	(2) 73	(2) 98	(14) 21	(15) 10	18	1	2	2	7	(1) 55	(8) 50	(10) 3	(12) 3	2		6	4
September		1	7	5	10	10	48	45	46	68	8	48	21	35	120	8	12		14	(5) 60	(7) 102	(9) 35	(8) 4	12	1	8		12	(4) 47	(6) 55	(7) 7	(6) 2	1		5	
October				3	2	1	29	53	36	124	3	23	36	55	131			2	8	(1) 57	(17) 119	(33) 41	(24) 3	18		2	7	37	(14) 53	(23) 15	(24) 1	9			15	
November			1	7	11	4	34	67	59	57	8	21	23	44	142	2	5	10	15	(4) 60	(18) 91	(39) 42	(11) 1	16		2	8	9	(4) 39	(17) 41	(33) 14	(11) 10			8	
December				6	10	4	22	44	41	121		1	11	44	187	5	9	5	20	(4) 33	(11) 115	(103) 65	(13) 1			5	2	10	(4) 11	(3) 32	(11) 47	(9) 1				
Total		1	10	49	76	70	479	637	595	1003	78	255	324	536	1699	28	48	36	(5) 151	(24) 701	(144) 1137	(312) 642	(112) 68	114	11	28	28	(4) 108	(17) 505	(134) 615	(270) 326	(93) 26	32	1	12	59
Mean		—	1	4	6	6	40	53	50	84	7	21	27	45	142	2	4	3	(-) 13	(2) 58	(12) 95	(26) 53	(9) 6	9	1	2	2	(-) 9	(1) 42	(11) 51	(23) 27	(8) 2	3	—	1	5

Frequency Table V for Signy Island, South Orkneys, 1954.

MONTH	WEATHER: No. of Days ¹																									
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	¹⁰	¹⁸	¹⁰	¹⁰	^{10 & 18}	¹⁰	¹¹	¹¹	¹²	¹³	¹⁴	^{10 & 15}	FOG ^{10 & 16}		HAIL ^{10 & 17}		
	High Min.	Low Max.	Low Min.	High Max.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE >	WIND FORCE >	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft	
	>32°F	<5°F	<-4°F	>41°F	=	=	=																			
January	2			3	*	*	*	14	4	8	25	1	4		29				3	8	1	1			6	
February	8			6	24	11		20	6	19	15	6	11		28					1	2					
March	3				22	13	2	17	3	10	16	7	8		26				3	1	1			1		
April	6			5	19	11		24	5	13	16	4	7		21				8	1	3	3			3	
May				2	23	10	1	18	11	5	22	6	14		23				14	1	2	6			1	
June		5	9	2	15	1	1	13	4	1	23	1	1		19		Not recorded.	Not recorded.	15		1					
July	1	3	5	1	21	5	1	13	4	3	22	2	3		22				19			3				
August		12	14		12	5		12	4		19	4			18				18		2	4				
September		4	9		14	1		17	10	3	20	5	3		21	2			17		4	3				
October	2			2	15	2		25	10	9	23	8	4		26				13	1	1	3				
November	1			4	21	4	1	17	3	7	22	3	10		25					1	6				2	
December	2				16	4		8		8	20	8	8		31						5				1	
Total	25	24	37	25	202	67	6	198	64	86	243	55	73	0	289	2			110	14	28	23	0	0	14	
Mean	2	2	3	2	18	6	1	17	5	7	20	5	6	—	24	—			9	1	2	2	—	—	1	

* Not Recorded.

Frequency Table VI for Signy Island, South Orkneys, 1954.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	14.1	6	33	126	68	15	3	7	2	3	25	4	8	34	57	43	45	2
February	18.3	12	67	103	28	14	5	12	9	16	17	4		3	23	39	78	4
March	14.8	4	61	88	75	20	6	12	5	13	45	4	9	12	31	33	50	8
April	19.9	16	94	79	38	13	6		2	1	14	2	2	7	17	89	85	2
May	18.9	29	73	79	50	17	5	3	4	3	21	12	9	12	21	61	67	13
June	11.8	13	29	71	89	38	4	8	2	5	33	13	10	13	27	43	40	4
July	11.8	10	39	60	104	35	13	5	6	4	17	14	14	8	27	34	42	29
August	10.0	7	31	55	100	55	7	5	9	7	24	9	8	13	16	45	39	11
September	14.9	22	43	73	61	41	8	3	1	2	7	12	5	8	12	53	73	15
October	20.8	33	74	98	34	9	2	3		2	4	4	2		8	70	129	15
November	14.9	7	55	95	51	32	5	6	3	3	11	3	6	4	10	61	78	18
December	10.6		22	85	108	33	4	4		19	60		6	9	16	62	29	6
Total	180.8	159	621	1012	806	322	68	68	43	78	278	81	79	123	265	633	755	127
Mean	15.1	13	52	84	67	27	6	6	4	7	23	7	7	10	22	53	63	11

Frequency Tables VII to X for Signy Island, South Orkneys, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2			1									3
2				1	3	1	1	4	6	4	6		26
3		1		1	2	1	3	4	10	14	3		39
4	1	1	1		6		4	15	27	16	12	1	84
5		1			8	2		9	11	6	4	1	42
6		1			6			2	3	3	10		25
7		3									5		8
>= 8			1								5		6
Totals	3	7	2	3	25	4	8	34	57	43	45	2	235

CALMS - 15

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				4	1	1				1			7
2	1	1	2	1	2					1	2		10
3						3			4	2	1	1	11
4	2	2		1	3			3	10	12	12		45
5	2	4	2	3	1				5	12	28	1	58
6		5		3	2				2	9	19		40
7			3	2	5				2	2	12	1	27
>= 8			2	2	3						4	1	12
Totals	5	12	9	16	17	4		3	23	39	78	4	210

CALMS - 14

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1	3	4	1		2	1	4	1	1	18
2		1		1	1	1	2	1	2	3	3	1	16
3	1	2		5	2	1	5	5	9	4	6	1	41
4		3	2	2	8	1	2	2	11	4	8	2	45
5	2	3		1	9			2	4	11	9	2	43
6	1	1		1	19				4	4	9		30
7		1	2		2				3	13	1		22
>= 8	2	1								1			4
Totals	6	12	5	13	45	4	9	12	31	33	50	8	228

CALMS - 20

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2				3	1	1			1			8
2			2		1		1			2	2		8
3	1				1			1	5	7	7		22
4				1	6	1		6	4	15	7		40
5	2				1				6	21	9		39
6					1			2	15	22	1		41
7					1				21	31			53
>= 8	1								7	7	1		16
Totals	6		2	1	14	2	2	7	17	89	85	2	227

CALMS - 13

Frequency Tables XI to XIV for Signy Island, South Orkneys, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1			2	1	1	2	1	1	2	1			11
2	3	1	1		3	2	2	1	2	1			16
3	2	1			1	6	3	1	4	2	3		23
4				1	12	1	1	6	7	11	9	2	50
5		1	1	1	3	1		1		11	8	2	29
6					1			1	2	16	16		36
7									2	11	20	4	37
>= 8							2	1	2	8	11	5	29
Totals	5	3	4	3	21	12	9	12	21	61	67	13	231

CALMS - 17

TABLE XII — JUNE.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1		1		2	5	2	5	5	3	4	3		30
2	1	1		2	7	5	3	2	3	5	5		34
3		1		4	3	2	4	2	5	3	1		25
4	1			1	7	3		2	10	16	5	1	46
5		4			6				6	5	4		25
6	1				4				3	4	6		18
7		1	1							2	5	2	11
>= 8	1		1							2	9		13
Totals	4	8	2	5	33	13	10	13	27	43	40	4	202

CALMS - 38

TABLE XIII — JULY.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	2		1	3	6	4	3	2	1	4	1	1	28
2	2		1		3	4	3	2	3	7	2	3	30
3	1				7	5	6	3	6	8	7	3	46
4	4		1		1	1	2		11	8	4	4	36
5	1	3	2					1	2	1	7	7	24
6	1	1	1	1					3	5	11	5	28
7	1	1							1	1	5	2	11
>= 8	1										5	4	10
Totals	13	5	6	4	17	14	14	8	27	34	42	29	213

CALMS - 35

TABLE XIV — AUGUST.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	1		2	3	1	2	3	2	2	6	3	1	26
2	2	1	2		5	5	2	2	4	8	2	1	34
3	1			1	7	2	3	4	5	11	6		40
4	1		2	1	9			4	4	7	7	2	37
5	1	1	1		1			1		6	6	1	18
6		2		1	1				1	5	9	2	21
7	1	1	1	1						2	2	2	10
>= 8			1								4	2	7
Totals	7	5	9	7	24	9	8	13	16	45	39	11	193

CALMS - 55

Frequency Tables XV to XVIII for Signy Island, South Orkneys, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			2	2	2	1		1	1	1		11
2					1	3	2	2	2	6		2	18
3						4	2	3	3	10	8	2	32
4	4	1			4	3		3	2	10	11	1	39
5	3	1	1						2	10	16	1	34
6		1							2	2	15		20
7										5	13	5	23
≥ 8										9	9	4	22
Totals	8	3	1	2	7	12	5	8	12	53	73	15	199

CALMS - 41

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					1				1	1	2	1	6
2	1				1	2	1			2	2	1	10
3				1			1		2	5	5	2	18
4	1					2			1	20	17	1	42
5			2		1				1	21	26	5	56
6		1							2	12	25	1	41
7									1	6	25	1	33
≥ 8										3	27	3	33
Totals	2	3		2	4	4	2		8	70	129	15	239

CALMS - 9

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		2		1	1	1	1	1	1	2		2	12
2			1	1	6	2			1	2	4	1	18
3	2		1	3			2		2	5	5	1	21
4	3	1	1	1			2	2	4	18	17	3	53
5		3					1	1	1	13	20	3	42
6									1	10	18	5	34
7										11	7	3	21
≥ 8											7		7
Totals	5	6	3	3	11	3	6	4	10	61	78	18	208

CALMS - 32

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		5	2		2		3	4			17
2	2			6	5		2	3	6	5	3		32
3	1	1		6	11		2	4	4	24	3	3	59
4				1	17			2	3	20	8	2	53
5	1	2		1	8					9	10	1	32
6					6						5		11
7					11								11
≥ 8													
Totals	4	4		19	60		6	9	16	62	29	6	215

CALMS - 33

Frequency Table XIX for Signy Island, South Orkneys, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	
	10	40	70	100	130	160	190	220	250	280	310	340	
1	8	4	6	25	27	16	17	13	15	29	11	6	177
2	12	5	9	13	39	23	19	17	29	46	31	9	252
3	9	6	1	14	38	27	29	29	56	97	57	14	377
4	17	8	7	9	74	12	11	45	94	157	117	19	570
5	12	25	7	6	38	3	1	15	38	126	147	24	442
6	3	12	1	6	40			3	25	85	165	14	354
7	2	7	7	3	19				6	64	138	21	267
= > 8	5	1	5	2	3		2	1	2	29	89	20	159
Totals	68	68	43	78	278	81	79	123	265	633	755	127	2598

CALMS 322.

Means and Extremes Table I for Hope Bay, Grahamland, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)															
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES				
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE	
January	986.9	1003.9	2nd	971.7	26th	28.0	28.7	29.8	32.1	32.3	31.4	30.1	28.9	30.2	34.5	26.0	46	5th, 6th	19	30th	
February	985.5	1000.6	15th	966.1	2nd	26.8	27.1	27.7	28.7	28.8	28.7	28.1	27.0	27.9	31.9	24.1	40	4th	13	26th, 27th	
March	991.3	1013.5	7th	965.1	12th	22.8	23.2	23.8	25.3	26.0	24.7	24.0	23.4	24.1	29.8	18.0	45	27th, 28th	5	26th	
April	985.7	1015.1	20th	963.5	16th	25.0	25.5	24.8	26.1	26.1	25.8	25.4	25.2	25.5	34.9	16.2	52	12th	-5	20th, 21st	
May	987.6	1018.8	4th	957.8	26th	20.5	20.9	20.5	20.4	20.3	19.6	18.7	19.6	20.1	27.1	13.3	45	6th	-6	20th	
June	998.4	<u>1026.3</u>	<u>15th</u>	967.3	25th	5.6	5.7	6.9	8.6	7.3	7.6	6.7	6.1	6.8	15.8	-2.1	37	30th	-22	16th	
July	996.1	1014.3	31st	962.7	7th	4.7	4.7	4.3	4.7	5.1	4.6	4.8	4.3	4.7	10.7	-0.7	38	3rd	-18	18th	
August	996.6	1015.9	25th	966.1	29th	2.6	1.9	2.0	2.7	3.6	2.4	2.1	2.8	2.5	9.9	-4.2	39	28th	<u>-24</u>	<u>12th</u>	
September	988.6	1022.8	26th	<u>954.1</u>	<u>6th</u>	9.0	9.5	11.3	12.9	13.0	11.2	10.0	10.5	10.9	20.1	0.4	47	29th	-20	5th	
October	987.8	1009.6	21st	961.7	15th	25.0	24.5	25.2	27.0	27.9	26.7	25.0	24.5	25.7	32.0	18.9	43	9th	4	4th	
November	989.2	1011.2	17th	966.0	14th	27.5	27.1	28.0	29.5	29.7	28.5	28.1	27.7	28.3	30.0	22.9	46	5th	9	26th	
December	999.8	1006.2	16th	985.7	29th	28.3	29.1	30.7	32.1	32.7	32.0	30.8	28.8	30.6	35.0	25.7	47	28th	16	8th	
Total	11893.5	12158.7	—	11587.8	—	225.8	227.9	235.0	250.1	252.8	243.2	233.8	228.8	237.3	311.7	158.5	525	—	-29	—	
Mean	991.1	1013.2	—	965.7	—	18.8	19.0	19.6	20.8	21.1	20.3	19.5	19.1	19.8	26.0	13.2	43.7	—	-2.4	—	

Means and Extremes Table II for Hope Bay, Grahamland, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹		
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹								1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000	2300		REC.	EST.				
January	82	83	81	76	77	79	78	81	80	6.8	6.8	6.8	6.5	6.7	7.1	7.4	6.7	6.9	4.3	4.5	19.1	Not recorded	Not recorded	
February	85	84	85	83	85	86	85	86	85	6.6	7.4	7.5	7.5	7.4	7.3	7.3	7.1	7.3	1.3	1.3	15.9			
March	81	80	80	79	79	80	78	78	79	7.0	7.5	7.1	7.2	7.0	7.1	6.5	6.4	7.0	2.1	2.1	12.7			
April	73	74	73	72	71	73	74	76	73	4.9	6.2	6.2	6.5	5.7	6.0	5.1	5.2	5.7	2.7	2.7	9.6			
May	79	79	81	77	76	78	78	79	78	6.1	6.1	7.1	6.8	6.4	5.4	4.9	5.6	6.1	0.5	0.9	6.6			
June	79	79	81	77	76	78	78	79	78	6.1	6.1	7.1	6.8	6.4	5.4	4.9	5.6	6.1	0.9	1.2	4.7			
July	73	74	75	74	72	73	73	74	73	5.2	5.1	5.7	5.2	5.2	4.7	4.7	4.4	5.0	0.9	1.2	4.7			
August	73	74	75	74	72	73	73	74	73	5.9	5.5	6.3	6.1	6.6	5.6	6.0	6.3	6.0	0.6	1.0	5.6			
September	75	75	77	74	71	71	74	74	74	5.9	5.5	6.3	6.1	6.6	5.6	6.0	6.3	6.0	2.6	3.1	8.4			
October	74	74	75	73	75	74	78	73	75	5.0	4.4	5.6	5.7	5.6	5.7	5.9	5.1	5.4	4.6	5.2	11.5			
November	74	76	77	76	76	75	75	75	75	4.3	5.4	5.1	4.9	5.0	5.9	5.1	4.8	5.1	4.6	5.2	11.5			
December	74	76	77	76	76	75	75	75	75	4.3	5.4	5.1	4.9	5.0	5.9	5.1	4.8	5.1	4.6	5.2	11.5			
January	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
February	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
March	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
April	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
May	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
June	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
July	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
August	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
September	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
October	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
November	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
December	83	85	84	82	77	85	84	85	83	5.9	6.5	6.1	6.5	6.3	6.8	6.1	5.5	6.2	4.8	8.8	14.7			
Total	940	945	942	917	909	930	932	939	930	71.2	74.9	77.0	76.3	74.9	74.7	71.3	70.0	73.9	32.5	39.2	147.2			
Mean	78	79	79	76	76	77	78	78	77	5.9	6.2	6.4	6.4	6.2	6.2	5.9	5.8	6.2	2.7	3.3	12.3			

Frequency Table I for Hope Bay, Grahamland, 1954.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																				
	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	1040.0	1045.0	1050.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9	1044.9	1049.9	1054.9
January					16	24	58	79	40	11	20										
February				7	14	41	36	66	32	24	4										
March				9	8	19	52	35	31	25	29	27	13								
April			3	4	13	53	50	47	36	21	4	3	5	1							
May		1	9	12	24	33	12	38	30	63	14	4	2	6							
June				2	11	9	12	22	39	30	41	32	11	19	7	5					
July			4	4	2	11	23	37	25	35	41	33	33								
August				5	9	9	19	39	30	22	34	45	33	3							
September	1	2	12	22	24	19	14	27	36	25	20	10	12	9	7						
October			2	5	25	29	40	48	32	31	22	14									
November				14	18	30	19	18	53	49	33	6									
December								20	24	84	63	49	8								
Year	1	3	30	84	164	277	335	476	408	420	325	223	117	38	14	5					

Frequency Table III for Hope Bay, Grahamland, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January								5	3	6	6	12	32	54	53	37	18	15	7
February							1	2	1	2	4	3	11	27	45	62	30	27	9
March						1		4	3	6	13	19	28	55	28	49	18	18	6
April		1	2	2	1	3	3	10	5	17	25	20	29	24	22	42	16	18	
May					1		1	2	4	19	16	23	24	32	47	27	11	32	9
June						2	1	5	11	13	16	28	31	46	56	20	6	4	1
July					2	1	5	3	9	20	15	25	34	45	44	21	6	18	
August				1	2		4		8	15	25	26	40	44	34	17	10	17	5
*September	1				2	2	3	5	11	11	18	22	20	29	42	42	13	15	
October				1					3	4	6	18	21	28	43	38	39	39	8
November			1		5	2	1	6	9	11	10	25	26	32	26	42	21	17	6
December									4	8	16	15	28	46	43	48	21	16	3
Totals	1	1	3	4	13	11	19	42	71	132	170	236	324	462	483	445	209	236	54
Mean	—	—	—	—	1	1	2	3	6	11	14	20	27	39	40	37	17	20	5

* 4 observations missed.

Frequency Table IV for Hope Bay, Grahamland, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No Cloud	TRACES DISREGARDED													
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	> 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS																		
																	0	30	60	120	300	600	1200	2400	=	0	30	60	120	300			600	1200	2400	=	0	30	60	120	300	600	1200	2400	=
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	> 6000	to 30	to 60	to 120	to 300	to 600	to 1200			to 2400	> 6000	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	> 6000		
January		6	1	4	14	13	26	38	61	85	10	55	44	44	84	11	12	1	11	(1) 15	(2) 65	(15) 129	(13) 5	9		11	1	11	(1) 11	(2) 19	(11) 44	(13) 1	5		1										
February	1	7	10	19	28	15	49	25	49	21	11	21	22	19	105	46	46		3	53	60	(8) 42	(3) 9	10		46		3	49	39	(6) 19	(2) 3	2		1										
March	2	4	1	12	23	19	39	60	50	38	22	46	28	28	100	24	24	1		39	86	68	8	13	3	24			35	52	22	2	7		1										
April		3	1	7	9	31	35	53	68	33	41	73	37	12	71	6	6			(1) 23	(1) 74	(1) 89	(1) 7	16	12	6		(1) 18	34	(1) 23	(1) 3	3	3	13											
May		3	2	23	13	27	65	51	53	11	22	58	60	23	63	22	22			40	70	(1) 84	10	10	2	22			23	31	(1) 18	2	3		10	1									
June		15	2	19	15	24	46	37	50	32	47	78	32	10	44	29	29			24	91	47	(2) 2	17	2	29			15	34	5		4		28										
July		21	1	31	39	16	27	45	46	22	45	58	14	20	66	45	46		1	34	73	46	3	19	7	46		1	30	43	(1) 3		3	4	19										
August		15	9	27	26	11	27	43	45	45	55	72	14	15	44	48	48			8	57	67	13	20	14	48			7	30	16	3	6	4	21										
September*	5	18	6	26	13	17	11	26	55	60	56	73	22	8	43	35	35				32	50	61	3	12	24	35		22	15	(1) 8		2	18	20	3									
October	2		2	43	15	17	53	36	29	51	17	56	49	24	69	33	33	1	1	(3) 40	(3) 96	57	3	8	3	33	1	1	(3) 22	(1) 41	11			6											
November		2		23	5	15	40	30	46	79	30	77	41	17	58	17	17		2	31	70	(4) 82	(1) 8	17	8	16		2	30	20	(3) 18	(1) 3	10	2	5	2									
December		8	1	3	2	6	18	38	95	77	9	65	35	20	108	11	11		10	15	(1) 70	(26) 117	(36) 15	9	1	11		7	11	(1) 28	(21) 10	(29) 9	6		7										
Total	10	102	36	237	202	211	436	482	647	554	365	732	398	240	855	327	329	3	28	(5) 354	(7) 862	(57) 889	(56) 86	160	76	327	2	25	(5) 273	(4) 386	(45) 197	(46) 23	51	31	130	13									
Mean	1	9	3	20	17	18	36	40	54	46	30	61	33	20	71	27	27	-	2	(-) 29	(1) 72	(5) 74	(5) 7	13	6	27	-	2	(-) 23	(-) 32	(4) 16	(4) 2	4	3	11	1									

* 3 observations missed.

Frequency Table V for Hope Bay, Grahamland, 1954.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			9	9	10 18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16		10 & 17		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE = 6	WIND FORCE = 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	FOG		HAIL		
	>32°F	<5°F	<-4°F	>41°F	=	=	=	^	^												True	Pseudo	True	Small	Soft
January	1			2				13	3	3	19	6	1		22				11	5	3	2			
February								16	5	4	24	2	4		26				17	4	3	7			2
March				3				19	8	4	23	1	8		23				15	3	1	8		1	1
April	2		2	3				20	9	5	16	2	2		14				12	3	3	4		1	
May		3	2	5	Not recorded.	Not recorded.	Not recorded.	27	11	3	22	3	3		12		Not recorded.	Not recorded.	22		5	8			
June		8	12		Not recorded.	Not recorded.	Not recorded.	22	10		19				8	4			25		3	11		1	
July		13	14		Not recorded.	Not recorded.	Not recorded.	19	9	1	21		4		19		Not recorded.	Not recorded.	23		4	12			
August		14	19		Not recorded.	Not recorded.	Not recorded.	21	12	2	15	2	1		14				24		3	8		1	
September	1	5	13	2	Not recorded.	Not recorded.	Not recorded.	20	11	2	16	3	3		11	2			18		5	12			
October				1	Not recorded.	Not recorded.	Not recorded.	26	12	8	21	6	5		15				20	3	13	6			2
November	1			4	Not recorded.	Not recorded.	Not recorded.	22	11	2	20	4	1		20				16	1	4	6			
December	2			6	Not recorded.	Not recorded.	Not recorded.	4		2	13				22	2					7				
Total	7	43	62	26				229	101	36	229	29	32	0	206	8			203	19	54	84	0	4	5
Mean	1	4	5	2				19	8	3	19	2	3	—	17	1			17	1	5	7	—	—	—

Frequency Table VI for Hope Bay, Grahamland, 1954.

MONTH	² MEAN WIND SPEED	WIND : Number of observations, at all hours, of :— ¹																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
		<i>S</i> or <i>more</i>	<i>6</i> <i>to</i> <i>7</i>	<i>4</i> <i>to</i> <i>5</i>	<i>1</i> <i>to</i> <i>3</i>	CALM	<i>350</i> <i>to</i> <i>10</i>	<i>20</i> <i>to</i> <i>40</i>	<i>50</i> <i>to</i> <i>70</i>	<i>80</i> <i>to</i> <i>100</i>	<i>110</i> <i>to</i> <i>130</i>	<i>140</i> <i>to</i> <i>160</i>	<i>170</i> <i>to</i> <i>190</i>	<i>200</i> <i>to</i> <i>220</i>	<i>230</i> <i>to</i> <i>250</i>	<i>260</i> <i>to</i> <i>280</i>	<i>290</i> <i>to</i> <i>310</i>	<i>320</i> <i>to</i> <i>340</i>
January	12.5	6	38	77	104	23	9	10	6	2	1	15	39	75	37	20	6	5
February	14.1	15	53	48	77	31	13	14	10	6	2	10	19	45	56	13		5
March	16.4	29	49	56	85	29	20	11	9	4		10	17	9	100	18	8	13
April	14.6	17	38	82	70	33	19	18	3	11	2	13	12	12	43	41	20	13
May	20.1	40	59	89	45	15	21	15	1	3	3	2	16	30	62	38	26	16
June	14.3	20	39	78	68	35	8	5	2	2	3	11	19	31	69	43	6	6
July	18.0	34	52	69	61	32	10	5	3	4	3	8	26	41	97	14	1	4
August	17.5	25	70	75	43	35	19	9	3	4	1	7	19	41	89	16	3	2
September	16.1	34	31	58	71	46	17	11	11	6	3	7	12	27	66	21	9	4
October	17.6	31	62	72	48	35	17	18	5	3	6	5	8	11	50	35	37	18
November	19.7	42	60	70	43	25	14	7	2	2		1	12	23	81	51	18	4
December	6.5	4	44	129	71	20	7	5	17	4	10	42	19	15	23	2		13
Total	187.4	293	555	818	814	410	187	130	69	64	28	99	241	364	765	333	136	103
Mean	15.6	24	46	68	70	34	16	11	5	5	2	8	20	30	64	28	11	9

Frequency Tables VII to X for Hope Bay, Grahamland, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	3		1	1	1	5	4		3			19
2	3	2	3			2	5	4		1	1	1	22
3	4	2		1		10	12	21	7	4	1	1	63
4	1	1	1			2	14	18	9	4	2	2	54
5		2	1				3	9	4	2	1	1	23
6			1					8	8	4			21
7								6	8	2	1		17
= 8								5	1				6
> 8													
Totals	9	10	6	2	1	15	39	75	37	20	6	5	225

CALMS - 23

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	4	2	1	1		1	1	1	3	3		3	20
2	2	4	3	1		7	2	1	1	1		1	23
3	3	7	5	4	1	1	6	4	3				34
4	3	1	1		1	1	6	5	11	5			34
5	1						3	2	5	2		1	14
6							1	12	17	2			32
7								11	10				21
= 8								9	6				15
> 8													
Totals	13	14	10	6	2	10	19	45	56	13		5	193

CALMS - 31

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2			1		3	2			1	1		10
2		4		1		4	2		3	4			18
3	11	5	1	1		2	13	2	9	4	1	8	57
4	5		4	1		1		4	13		4	3	35
5	2	2	1					3	12			1	21
6			3						14	6	2	1	26
7									23				23
= 8									26	3			29
> 8													
Totals	20	11	9	4		10	17	9	100	18	8	13	219

CALMS - 29

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	1	3			1	2	2	4		1	15
2	2	3		1	1		1	1	1	2	2		14
3	6	5		5	1	4	6	2	2	6	4		41
4	7	6	2	2		9	4	3	1	5	4	4	47
5	4	3						2	9	8	3	6	35
6								2	10	8	4	1	25
7									7	4	1	1	13
= 8									11	4	2		17
> 8													
Totals	19	18	3	11	2	13	12	12	43	41	20	13	207

CALMS - 33

Frequency Tables XI to XIV for Hope Bay, Grahamland, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1				2	1			1			6
2		1		1	2		6			1	3	2	16
3	2	4	1	1			5	5	3	1		1	23
4	2	6		1	1		3	10	13	1	3	2	42
5	9	3					1	4	15	6	6	3	47
6	1							7	13	8	6	3	38
7	6							1	3	2	5	4	21
>= 8								3	15	18	3	1	40
Totals	21	15	1	3	3	2	16	30	62	38	26	16	233

CALMS - 15

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		2	1			3	2	3	4		1		16
2	1	1	1	2	2	1	6	2	3	4			23
3	2	1				4	4	3	7	6			29
4	4	1			1	1	4	5	18	8	3	2	47
5	1					2	2	3	12	8	2	1	31
6							1	7	7	5		1	21
7								4	10	4			18
>= 8								4	8	8			20
Totals	8	5	2	2	3	11	19	31	69	43	6	6	205

CALMS - 35

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			2	1	3	1		1	2			11
2	2	1		1	1	1	3	1	1		1		12
3	1	3	2		1	3	11	4	7	4		2	38
4	4	1		1		1	4	10	13	4		1	39
5	2		1				3	8	15	1			30
6							4	8	21				33
7								6	11	1		1	19
>= 8								4	28	2			34
Totals	10	5	3	4	3	8	26	41	97	14	1	4	216

CALMS - 32

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				1		2		1		1			5
2			2	1		2	5	2	1	1			14
3	3	4	1	1	1		6	3	3	1		1	24
4	10	4				3	4	5	10	5	2	1	44
5	4	1		1			3	6	12	3	1		31
6	2						1	10	18	3			34
7								7	28	1			36
>= 8								7	17	1			25
Totals	19	9	3	4	1	7	19	41	89	16	3	2	213

CALMS - 35

Frequency Tables XV to XVIII for Hope Bay, Grahamland, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1				2	1	2	3	1	1	2			12
2	1		3			1	1		2	2			10
3	4	6	5	2	2	4	7	2	10	2	4	1	49
4	6	4	2	2				6	7	4	1		32
5	3	1	1				1	7	6	3	3	1	26
6	1							3	5	3		1	13
7	2							3	7	4	1	1	18
≥ 8								5	28	1			34
Totals	17	11	11	6	3	7	12	27	66	21	9	4	194

CALMS - 46

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	1		1		1		1		1	1			6
2	1				2		1	1	2	3	2	1	14
3	2	4		1	3	1	3		5	6	2	1	28
4	7	4	3		2	2		2	5	6	6	5	42
5	2	7						1	5	9	4	2	30
6	3	3	1					2	3	4	8	12	40
7	1					1	1		6	1	7	5	22
≥ 8								3	21	2	5		31
Totals	17	18	5	3	6	5	8	11	50	35	37	18	213

CALMS - 35

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1									4	1	1		6
2	4	2						1	2	3	1	1	14
3	1		2	2			5	2	1	7	2	1	23
4	7	1				1	5	8	9	8	2	1	42
5	2	3						3	8	7	4	1	28
6		1					1	5	14	10	1		32
7								2	14	10	2		28
≥ 8							1	2	29	5	5		42
Totals	14	7	2	2		1	12	23	81	51	18	4	215

CALMS - 25

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	1	1	1	4		2	5	2		1	1		18
2	3	2	2	6	2	2	14	5	3	1		1	41
3	11	4	2	7	2	6	17	11	3	2			70
4	5						3	1	4	11	1	5	30
5							2		4	7		1	14
6							1		1	1		1	4
7													
≥ 8													
Totals	20	7	5	17	4	10	42	19	15	23	2	13	177

CALMS - 71

Frequency Table XIX for Hope Bay, Grahamland, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	11	10	5	15	4	19	22	14	16	20	4	4	144
2	19	20	14	16	8	21	46	19	20	22	9	7	221
3	50	45	19	25	11	35	95	59	60	43	14	23	479
4	61	29	13	7	5	21	47	77	113	61	28	26	488
5	30	22	4	1		2	18	48	107	56	24	18	330
6	7	4	5				11	65	132	58	25	12	310
7	9					1	1	40	127	29	17	12	236
= > 8							1	42	190	44	15	1	293
Totals	187	130	60	64	28	99	241	364	765	333	136	103	2510

CALMS 410.

Means and Extremes Table I for Admiralty Bay, South Shetlands, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	986.0	1001.5	4th, 9th	969.6	25th	31.9	32.4	33.2	34.3	35.2	34.3	32.6	31.7	33.2	36.8	30.0	44	29th	24	11th, 20th
February	983.1	998.6	15th	966.1	4th	34.1	34.2	34.5	35.7	36.2	35.9	34.7	34.0	34.9	38.5	31.6	<u>47</u>	<u>7th</u>	26	26th
March	990.3	1010.5	7th	966.3	11th	30.6	30.4	31.3	31.9	32.2	31.4	30.8	30.6	31.1	34.5	27.0	40	10, 20, 31	20	8th
April	987.3	1009.3	20th	964.6	1st	31.6	31.6	31.6	32.5	32.8	31.9	31.9	31.8	32.0	35.9	27.5	44	19th	18	10th
May	988.4	1018.1	4th	958.1	26th	27.7	27.8	27.4	26.9	27.1	26.9	27.3	27.1	27.3	31.2	22.8	41	6th	9	30th
June	998.0	<u>1023.0</u>	<u>15th</u>	956.7	25th	18.2	18.0	19.1	18.9	19.5	19.4	19.0	18.5	18.8	25.2	11.6	37	24th	-8	16th
July	993.8	1013.0	31st	959.3	7th	13.8	13.7	12.5	13.8	14.2	14.3	13.5	13.8	13.7	18.9	8.1	43	5th	-7	17th
August	995.4	1017.1	26th	965.2	29th	6.2	7.0	7.0	7.9	8.1	6.9	5.7	5.4	6.8	12.6	-1.3	38	27th	<u>-20</u>	<u>12th</u>
September	989.8	1023.5	26th	<u>951.5</u>	<u>5th</u>	16.3	16.2	17.0	18.7	19.4	18.5	17.8	17.9	17.7	24.4	9.1	40	30th	-14	2nd
October	988.9	1010.9	21st	961.2	15th	29.8	29.9	30.6	31.3	31.2	30.9	30.2	29.9	30.5	34.2	26.4	39	9th, 23rd	11	21st
November	990.0	1009.5	17th	962.9	14th	30.8	31.0	32.1	33.1	33.1	32.6	31.8	31.5	32.0	36.3	28.9	42	30th	17	24th
December	998.6	1012.1	16th	984.6	18th	32.8	32.8	33.7	34.7	34.9	34.5	33.5	33.2	33.8	37.3	31.1	45	26th	26	7th
Total	11889.6	12148.0	—	11566.1	—	303.8	305.0	310.0	319.7	323.9	317.5	308.8	305.4	311.8	365.8	252.8	500	—	96	—
Mean	990.8	1012.3	—	963.9	—	25.3	25.4	25.8	26.6	27.0	26.5	25.7	25.5	26.0	30.5	21.1	41.7	—	8.0	—

Means and Extremes Table II for Admiralty Bay, South Shetlands, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹		
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹								1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000	2300		REC.	EST.				
January	85	83	80	80	76	78	84	84	81	7.4	7.7	7.6	7.0	6.9	6.9	7.0	7.0	7.2	3.1	3.3	18.3	Not recorded.	Not recorded.	
February	88	86	86	84	84	85	88	89	86	7.2	7.5	7.5	7.6	7.5	7.1	7.6	7.3	7.4	1.1	1.1	18.6			
March	86	86	86	86	85	85	85	86	86	6.6	6.6	6.9	6.9	6.9	7.0	6.5	6.1	6.7	1.7	1.9	12.7			
April	85	86	84	82	82	85	85	85	84	6.5	6.7	6.5	6.4	6.4	6.4	6.4	6.3	6.5	1.3	1.5	9.7			
May	85	85	86	83	83	81	82	85	84	6.6	6.8	7.1	6.7	6.7	6.2	5.9	6.1	6.5	0.3	0.5	6.8			
June	84	84	82	82	83	81	80	80	82	5.8	6.3	6.4	6.8	6.8	6.4	5.6	6.0	6.3	0.0	0.2	5.3			
July	86	83	80	80	83	81	81	82	82	6.0	5.5	6.4	6.3	6.8	6.8	6.5	6.1	6.3	0.2	0.5	6.1			
August	82	82	80	79	80	82	83	83	81	5.5	5.1	5.7	6.0	6.4	6.2	5.6	5.3	5.7	1.3	1.8	8.6			
September	82	82	82	81	79	81	80	83	81	5.8	6.1	5.9	5.9	6.0	6.6	6.0	5.8	6.0	2.3	2.5	11.5			
October	83	83	82	82	81	82	81	80	82	7.4	7.1	6.7	7.2	7.3	7.2	7.1	6.5	7.1	2.2	2.3	14.5			
November	83	85	83	81	80	81	82	83	82	6.8	6.9	6.8	6.5	6.6	6.0	6.3	6.3	6.5	3.9	4.0	17.5			
December	79	79	81	78	78	79	82	81	80	7.6	7.6	7.6	7.4	7.2	7.1	7.5	7.7	7.5	2.2	2.2	19.5				6.8	2.7	18th
Total	1008	1004	992	978	974	981	993	1001	991	79.2	79.9	81.1	80.7	81.5	79.9	78.0	76.5	79.7	19.6	21.8	149.1	—	—	—
Mean	84	84	83	81	81	82	83	83	83	6.6	6.7	6.8	6.7	6.8	6.7	6.5	6.4	6.6	1.6	1.8	12.4	—	—	—

Frequency Table I for Admiralty Bay, South Shetlands, 1954.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																				
	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	1040.0	1045.0	1050.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9	1044.9	1049.9	1054.9
January				1	12	35	61	79	28	10	22										
February				16	25	50	31	54	30	18											
March				7	11	43	29	33	28	35	34	24	4								
April			1	4	8	40	47	51	42	27	13	7									
May		1	5	17	33	25	5	21	51	47	25	7	6	5							
June		2	7	16	16	18	33	39	38	33	19	11	4	2	2						
July		2	4	3	2	18	31	31	29	47	30	28	23								
August				10	6	16	31	30	21	24	39	33	27	11							
September	1	5	7	15	17	24	36	23	24	22	16	15	12	14	9						
October			3	4	15	38	36	38	39	33	25	12	5								
November			5	11	13	22	23	20	48	63	15	20									
December							3	14	41	93	56	33	8								
Year	1	10	32	104	158	329	366	433	419	452	294	190	89	32	11						

Frequency Table III for Admiralty Bay, South Shetlands, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January										4	6	13	43	44	44	39	37	14	4
February											2	5	21	19	41	48	44	43	1
March												7	18	22	54	65	54	28	
April									1		4	15	19	34	43	52	41	28	3
May										2	5	9	20	42	50	50	38	30	2
June											3	18	20	42	60	48	39	10	
July									1	3	5	5	16	58	99	34	13	11	3
August										2	4	14	23	44	79	51	14	16	1
September						1			1	4	3	8	22	50	72	41	28	10	
October							3		1	6	6	14	20	33	52	64	30	19	
November							1			1	6	8	27	43	42	66	39	7	
December									1	3	12	24	31	51	55	33	24	9	5
Totals						1		4	5	25	56	140	280	482	691	591	401	225	19
Mean						—		—	—	2	5	12	23	40	58	49	33	19	2

Frequency Table IV for Admiralty Bay, South Shetlands, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No Cloud	TRACES DISREGARDED				
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	> 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS									
																	0	30	60	120	300	600	1200	2400	=	0	30	60	120	300			600	1200	2400	=
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	> 6000	to 30	to 60	to 120	to 300	to 600			to 1200	to 2400	to 6000	> 6000
January				2	3	2	43	67	81	50	4	27	32	47	138			1	22	(5) 104	(40) 108	(6) 8	5				1	13	(4) 45	(37) 48	(4) 4				1	
February			4	10	2	3	69	69	49	18	3	14	35	33	136	3	3		(1) 60	(12) 100	(32) 56	(4) 1	4		3			(1) 45	(11) 37	(26) 17	(3) (3)				1	
March				2	5	3	51	80	51	56	10	30	37	51	118	2	2	2	33	(9) 106	(41) 86	(5) 8	7	4	2		2	19	(7) 51	(35) 33	(4) 2	1	1		1	
April				3	4	3	64	50	63	53	6	31	53	49	98	3	3		(1) 43	(10) 141	(29) 46	(5) (5)	4		3			(1) 29	(9) 61	(14) (4)	(4) (4)				3	1
May	2	2	6	13	7	2	82	96	19	19	2	35	41	67	84	19	19		(2) 38	(11) 156	(10) 25	(6) 1	8		19			(1) 24	(6) 75	(3) 9	(4) (4)	1		1	7	
June		1	5	9	8	5	70	58	47	37	11	28	52	67	71	11	11		(1) 13	(14) 166	(4) 32	(2) 1	13	1	11			(1) 5	(12) 87	(1) 7	(2) (2)	3		3	6	
July		3	5	29	3	14	70	46	25	53	20	36	26	56	82	28	29			(18) 138	(10) 39	(2) 2	21	2	28				(16) 77	(8) 17	(1) 1	1	1	3	6	
August		3	6	14	15	22	54	31	42	61	36	33	36	43	91	9	17	1	3	(2) 19	(11) 132	(7) 32	(5) 3	16	5	10		(1) 7	(6) 75	(3) 20	(3) (3)			20	5	
September	1	7	9	14	10	6	58	49	27	59	23	36	45	56	69	11	13		3	(17) 140	(6) 32	(3) 4	16	4	12			8	(11) 63	(4) 9	(1) (1)	5	1	12	9	
October		3	9	8	4	16	69	47	36	56	2	19	32	89	93	13	13		1	(1) 26	(16) 173	(11) 30	2	2		13		(1) 20	(13) 98	(10) 7	1	1	1	1		
November			2	3	15	47	53	37	83	16	38	19	57	109	1	1	1	2		(30) 152	(15) 19	(11) 4	14	5	1		2	28	(27) 63	(12) 6	(8) 1	2	1	4	7	
December		1	6			18	33	59	131	5	7	18	86	132			2	13		(2) 37	(31) 122	(60) 66	(2) 1	7			1	7	(2) 18	(53) 47	(2) (2)	2			2	
Total	3	19	45	112	64	91	695	679	536	676	138	334	426	701	1221	100	111	4	25	(10) 359	(184) 1630	(265) 571	(51) 35	117	21	102	1	12	(8) 220	(152) 779	(206) 218	(36) 13	16	4	47	47
Mean	—	2	4	9	5	8	58	57	45	56	11	28	35	58	102	8	9	—	2	(1) 30	(15) 136	(22) 48	(4) 3	10	2	9	—	1	(1) 18	(13) 65	(17) 18	(3) 1	1	—	4	4

Frequency Table V for Admiralty Bay, South Shetlands, 1954.

MONTH	WEATHER: No. of Days ¹																									
	TEMPERATURE ⁸				PRECIPITATION ¹			9	9	10	18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16 FOG		10 & 17 HAIL		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE ⁶ \wedge	WIND FORCE ⁸ \wedge	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft	
	>32°F	<5°F	<-4°F	>41°F	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	
January	3			3				8	4	7	22	5	6		23					1	1	1	1			
February	11			5				15	5	14	16	4	15		25					8			7		1	
March	6							15	3	9	20	4	10		22					7		1	2		1	
April	6			2				22	4	14	21	9	14		21					14	4		2	2	1	
May	5				Not recorded.	Not recorded.	Not recorded.	20	7	11	24	6	10		19					21			10		2	
June			2					17	5	1	28	3	2		14		Not recorded.	Not recorded.		24	1		8		1	
July		2	2	1				12	5	1	26		5		22	1				23		1	10		1	
August		12	14					16	3	1	22	2	2		15	3				23		4	9			
September		1	4					18	4		27	3	2		16	1				26		2	11			
October								20	9	7	27	8	4		24					24		1	7			
November	3			1				7	1	8	19	11	8		22	1				4			1		3	
December	10			7	4	2		7		6	12	4	15		29						3	4		1	1	
Total	44	15	22	19	—	—	—	177	50	79	264	59	93	0	252	6				175	9	14	68	0	4	10
Mean	4	1	2	2	—	—	—	15	4	7	22	5	8	—	21	1				15	1	1	6	—	—	1

Frequency Table VI for Admiralty Bay, South Shetlands, 1954.

MONTH	² MEAN WIND SPEED	WIND : Number of observations, at all hours, of :— ¹																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	3 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	10.2	7	3	95	120	23	9	20	16	40	32	10	14	10	20	29	19	6
February	13.7	9	27	86	95	7	28	45	29	31	23	6	14	3	4	18	10	6
March	12.2	8	26	98	104	12	16	37	28	36	41	17	2	4	9	27	9	10
April	15.3	6	47	102	78	7	36	32	9	20	13	6	2	13	26	36	24	16
May	16.3	11	58	98	67	14	52	12	21	25	5	4	8	11	39	25	12	20
June	14.3	12	39	84	70	35	25	11	20	44	2	3	5	14	34	21	16	10
July	11.3	9	31	70	85	53	21	12	30	60	14	5	9	7	19	5	6	7
August	11.9	5	46	71	80	46	34	9	39	68	12	2		2	2	10	14	10
September	14.7	8	54	83	69	26	50	13	18	14	6	3	4	13	36	40	7	10
October	16.6	14	47	122	56	9	96	12	12	12	4	3	4	8	29	26	12	21
November	10.8	1	16	99	101	23	55	13	11	37	12	5	4	10	17	21	18	14
December	9.5		10	95	116	27	25	30	30	52	15	3	3	4	23	18	8	10
Total	156.8	90	404	1103	1041	282	447	246	263	439	179	67	69	99	258	276	155	140
Mean	13.1	7	34	92	87	23	37	21	22	37	15	6	6	8	21	23	13	12

Frequency Tables VII to X for Admiralty Bay, South Shetlands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	3	1	1				1	7	1	4		19
2	2	3	3	4	6	2	4	8	5	7	4		48
3	4	6		7	4	4	3	1	7	9	6	2	53
4	2	4	7	19	16	2	7			11	3	3	74
5		1	1	8	5	2		1	1	2			21
6				1	1								2
7		1											1
>= 8		2	4									1	7
Totals	9	20	16	40	32	10	14	10	20	29	19	6	225

CALMS - 23

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2	2		1	1				1				7
2	6	2	6	6	3					4	1	4	32
3	8	13	8	5	3	2	1	2	3	7	3	1	56
4	8	15	8	4	10	3	2			2	3	1	56
5	1	6	5	10	2		2			2	2		30
6		4	1	4	4					3	1		17
7	1	3	1	1			4						10
>= 8	2					1	5	1					9
Totals	28	45	29	31	23	6	14	3	4	18	10	6	217

CALMS - 7

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2	2	2	1	1	1		2	2		2	2	17
2	5	2	6	2	3	3	1		4	7	3	4	40
3	4	6	6	7	9	5		1	2	3	1	3	47
4	2	8	3	16	19	5		1	1	10	1		66
5	1	6	4	6	8	1				4	2		32
6	1	6	3	2	1	2	1			3		1	20
7	1	4		1									6
>= 8		3	4	1									8
Totals	16	37	28	36	41	17	2	4	9	27	9	10	236

CALMS - 12

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1						1		2	1	1			5
2	3	4		3		1		3	1			3	18
3	10	5	4	4	3	3	2	1	8	3	6	6	55
4	8	6	3	5	4			5	6	10	5	2	54
5	7	9	2	4	5	1			3	9	7	1	48
6	5	4		4				1	4	6	3	3	30
7	3	3			1					5	3	1	17
>= 8		1							3	2			6
Totals	36	32	9	20	13	6	2	13	26	36	24	16	233

CALMS - 7

Frequency Tables XI to XIV for Admiralty Bay, South Shetlands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1			1	1					1	1		5	9
2		1		1		1	1		2	2	1		9
3	3	4	5	8	2	1	3	3	5	6	4	5	49
4	8	3	9	9	3	2	1	3	7	3	3	5	56
5	11		4	5			3	1	11	1	3	3	42
6	9	1	1	1				3	3	5	1	2	26
7	18	3	1					1	5	4			32
≥ 8	3								5	3			11
Totals	52	12	21	25	5	4	8	11	39	25	12	20	234

CALMS - 14

TABLE XII — JUNE.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	1	1				1		1	1		4	1	10
2	2	2	3	4	1	1	1	2	4	3	1		24
3	3	2	5	3			2	4	4	3	6	4	36
4	5	2	4	7	1		2	3	2	4	5	4	39
5	9	1	5	9		1		3	9	7		1	45
6	4			11				1	3	2			21
7	1	1	2	10					3	1			18
≥ 8		2	1						8	1			12
Totals	25	11	20	44	2	3	5	14	34	21	16	10	205

CALMS - 35

TABLE XIII — JULY.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	1	2		2		1		2				2	10
2	6	2	1	8	2	2			4				25
3	3	1	4	16	9	1		3	6	2	2	3	50
4	2	4	6	20	1		3	1	1	2	1	2	43
5	4	1	6	10	2	1	1				2		27
6	1	1	10	4			5		4		1		26
7	1		3						1				5
≥ 8	3	1						1	3	1			9
Totals	21	12	30	60	14	5	9	7	19	5	6	7	195

CALMS - 53

TABLE XIV — AUGUST.

BEAUFORT FORCE	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIR.
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	2	4	2	7	2					2	2	2	23
2	3	1	1	8	2				1	1	3	1	21
3	2		3	22	3				1	1	3	1	36
4	2	1	9	18	4	1		1		2	5	4	47
5	3		8	6	1	1		1		3	1		24
6	8	3	12	6								2	31
7	9		4	1						1			15
≥ 8	5												5
Totals	34	9	39	68	12	2		2	2	10	14	10	202

CALMS - 46

Frequency Tables XV to XVIII for Admiralty Bay, South Shetlands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	6	1	2		1		1	1	1			3	16
2	4	2	1	1	1	1	2	3	2		1		18
3	6	3	4	3	1	1		4	5	4	2	2	35
4	4	3	2	6	1	1	1	3	11	11	2	3	48
5	5	3	4	2	2				8	7	2	2	35
6	3	1	3	1					3	9			20
7	15		2	1				2	5	9			34
> 8	7								1				8
Totals	50	13	18	14	6	3	4	13	36	40	7	10	214

CALMS - 26

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	2					2	1	1	2	1	1	11
2	3			1	1		1	2	3	2	1		14
3	5		3	3	2			3	3	6	3	3	31
4	21	8	3	7	1	2	1	2	7	5	4	11	72
5	22	1	3			1			11	5	2	5	50
6	10	1	3						4	2		1	21
7	21			1						3	1		26
> 8	13									1			14
Totals	96	12	12	12	4	3	4	8	29	26	12	21	239

CALMS - 9

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3	2	1	1	4	1	1	2		3	3		21
2	6	3	1	2	2	4	2	2	4	3	3	2	31
3	8	3	4	11				2	4	4	8	5	49
4	13	1	2	21	6		1	3	4	6	4	3	64
5	18	1	3	2				1	1	6		3	35
6	3	2							2			1	8
7	4	1							1	2			8
> 8									1				1
Totals	55	13	11	37	12	5	4	10	17	21	18	14	217

CALMS - 23

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	2		4		3	2	1	4	4	2	1	24
2	3	2	1	5	2		1	1	9	5	2		31
3	4	5	9	17	6			1	5	5	3	6	61
4	10	13	15	19	6				5	3	1	2	74
5	6	4	3	6	1							1	21
6		3	2	1				1		1			8
7	1	1											2
> 8													
Totals	25	30	30	52	15	3	3	4	23	18	8	10	221

CALMS - 27

Frequency Table XIX for Admiralty Bay, South Shetlands, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i> 10	<i>to</i> 40	<i>to</i> 70	<i>to</i> 100	<i>to</i> 130	<i>to</i> 160	<i>to</i> 190	<i>to</i> 220	<i>to</i> 250	<i>to</i> 280	<i>to</i> 310	<i>to</i> 340	
1	20	21	9	18	9	8	6	13	19	14	18	17	172
2	43	24	23	45	23	15	13	21	39	31	20	14	311
3	60	48	55	106	42	17	11	25	53	53	47	41	558
4	85	68	71	151	72	16	18	22	44	69	37	40	693
5	87	33	48	68	26	8	6	6	44	45	23	16	410
6	44	26	35	35	6	2	6	6	23	31	6	10	230
7	75	17	13	15	1		4	4	15	25	4	1	174
= > 8	33	9	9	1		1	5	2	21	8		1	90
Totals	447	246	263	439	179	67	69	99	258	276	155	140	2638

CALMS 282.

Means and Extremes Table I for Deception Island, South Shetlands, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN ¹ DAILY		EXTREMES			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	986.0	1002.5	4th	970.3	25th	31.5	32.0	33.2	34.7	35.2	34.4	32.9	31.8	33.2	37.3	30.1	42	1st 24th	26	19th
February	962.7	998.2	15th	964.1	4th	33.1	33.3	34.4	35.1	36.2	35.1	33.7	33.0	34.2	38.5	31.0	<u>47</u>	<u>7th</u>	26	22nd, 27th
March	989.9	1010.9	7th	966.1	11th	31.3	31.1	31.7	32.5	32.5	31.9	31.2	31.2	31.7	34.8	27.7	40	10th, 20th	23	16th, 30th
April	986.6	1008.9	20th	962.0	1st, 16th	31.0	30.9	30.9	31.4	31.9	31.5	31.3	31.1	31.3	34.8	27.2	43	19th	21	9, 10, 23
May	987.3	1016.5	4th	956.5	24th	27.1	27.1	27.1	27.1	27.0	26.8	26.7	26.9	27.0	30.8	22.4	43	5th	13	16th, 21st 22nd, 30th
June	997.3	1021.9	15th	967.3	19th	17.8	17.9	18.5	19.0	19.4	19.1	18.4	18.4	18.6	23.5	12.8	37	24th	-4	26th, 27th
July	992.7	1012.5	31st	963.1	7th	15.1	14.9	15.3	14.8	15.6	15.2	15.2	15.2	15.2	20.1	10.6	41	5th	0	15th
August	994.4	1016.5	26th	963.8	29th	8.2	7.8	8.0	8.9	9.7	8.8	8.8	8.8	8.6	13.5	2.6	40	27th	<u>-11</u>	<u>11th</u>
September	989.1	<u>1023.8</u>	<u>20th</u>	<u>952.1</u>	<u>5th</u>	16.0	16.2	16.6	17.5	17.3	16.4	16.2	16.4	16.6	22.5	9.3	35	29th	-9	8th
October	987.4	1010.9	21st	957.6	15th	29.3	28.8	29.2	30.7	31.3	30.6	29.9	29.8	29.9	33.7	26.5	43	22nd, 23rd	16	20th, 21st
November	989.2	1009.6	17th	961.8	11th	30.7	30.7	31.6	32.5	32.9	32.4	31.5	30.7	31.6	35.1	28.4	40	18th	22	26th
December	998.7	1011.7	16th	983.8	18th	32.1	32.6	33.4	34.2	34.7	34.1	32.9	32.3	33.3	36.5	30.6	43	26th	25	7th
Total	11881.3	12143.9	—	11568.5	—	303.2	303.3	309.9	318.4	323.7	316.3	308.7	305.6	311.2	361.1	259.2	494	—	148	—
Mean	990.1	1012.0	—	964.0	—	25.3	25.3	25.8	26.5	27.0	26.4	25.7	25.5	25.9	30.1	21.6	41.2	—	12.3	—

Means and Extremes Table II for Deception Island, South Shetlands, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹		
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹								1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000	2300		REC.	EST.				
January	87	88	85	78	77	82	85	88	84	7.1	7.3	7.1	6.9	6.8	6.8	7.0	7.2	7.0	3.7	4.0	18.9	40.1	14.2	25th
February	91	90	91	89	87	89	91	92	90	7.6	7.5	7.8	7.7	7.6	7.4	7.8	7.6	7.6	1.1	1.2	15.9	95.4	9.4	7th
March	89	89	89	88	88	87	88	89	88	6.7	6.6	6.9	7.1	6.8	6.6	6.4	6.4	6.7	1.6	1.8	12.7			
April	88	87	85	85	86	86	87	86	86	6.7	6.3	6.4	6.6	7.1	6.7	6.4	6.9	6.6	0.9	1.3	9.6			
May	87	88	87	85	85	85	84	87	86	6.4	7.1	6.9	7.0	6.7	6.9	6.5	6.5	6.7	0.8	3.6	6.7			
June	87	87	87	87	88	88	88	88	87	6.0	6.2	6.4	7.1	7.1	6.9	6.8	6.5	6.6	0.0	0.4	4.9			
July	87	87	87	85	85	87	85	87	86	6.2	6.6	6.5	6.6	7.2	6.8	6.4	6.3	6.6	0.3	0.7	5.7			
August	86	86	86	86	87	87	87	85	86	5.9	5.6	6.5	6.2	6.7	6.3	6.1	6.2	6.2	0.7	1.9	8.5			
September	90	91	90	91	89	89	89	89	90	6.7	7.0	6.6	6.0	6.7	7.0	6.8	6.7	6.7	1.7	2.0	11.5			
October	91	93	92	87	87	90	92	91	90	7.2	7.6	7.4	7.2	7.3	7.2	7.3	7.0	7.3	1.8	1.9	14.7			
November	91	92	90	88	86	88	88	91	89	6.7	7.1	7.3	6.7	6.8	6.7	6.6	6.8	6.8	3.4	3.7	17.9			
December	87	87	87	86	85	87	87	88	87	7.7	7.8	7.7	7.8	7.5	7.5	7.3	7.5	7.6	1.1	1.2	20.1			
Total	1061	1066	1056	1035	1030	1045	1051	1061	1049	80.9	82.7	83.5	82.9	84.3	82.8	81.4	81.6	82.4	17.1	23.7	147.1	—	—	—
Mean	88	89	88	86	86	87	88	88	87	6.7	6.9	7.0	6.9	7.0	6.9	6.8	6.8	6.9	1.4	2.0	12.3	—	—	—

Frequency Table I for Deception Island, South Shetlands, 1954.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																				
	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	1040.0	1045.0	1050.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9	1044.9	1049.9	1054.9
January					16	37	60	75	28	7	25										
February			1	10	28	51	49	40	31	14											
March				8	18	41	26	31	31	37	28	23	5								
April			4	5	11	40	51	46	36	32	8	7									
May		4	8	23	27	21	6	19	62	41	22	7	5	3							
June				4	14	11	11	18	29	52	31	33	21	12	4						
July			4	3	9	25	25	32	35	38	32	27	18								
August			2	10	8	18	30	32	16	22	44	35	20	11							
September	3	5	6	11	26	30	32	21	18	21	22	11	11	13	10						
October		2	1	8	25	32	42	30	47	29	18	10	4								
November			11	7	17	26	15	20	58	55	13	18									
December							5	13	39	97	46	39	9								
Year	3	11	37	89	199	332	352	377	430	445	289	210	93	39	14						

Frequency Table III for Deception Island, South Shetlands, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :- 5																			
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >	
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100	
January										5	6	16	30	25	38	49	43	26	10	
February												5	4	14	28	28	79	63	3	
March												3	8	25	41	45	65	58	3	
April										1	6	11	10	19	24	70	60	39		
May										2	2	8	27	13	45	47	62	34	8	
June											3	4	8	12	42	71	63	37		
July										1	1		7	24	52	96	40	25	2	
August											2	4	7	16	56	91	50	19	3	
September										1		1	1	7	37	63	64	60	6	
October												3	6	14	22	53	66	77	7	
November										3	1	8	8	17	21	46	50	72	14	
December											1	9	16	29	34	48	50	52	9	
Totals										13	22	72	132	215	440	707	692	562	65	
Mean										1	2	6	11	18	37	59	58	47	5	

Frequency Table IV for Deception Island, South Shetlands, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS ⁷ (metres)															No Cloud	TRACES DISREGARDED				
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	> 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS										
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	= > 6000	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200			1200 to 2400	2400 to 6000	= > 6000	
January				5	1	6	30	30	38	138	2	24	42	72	107	1	2	1	(1) 5	45	118	(19) 71	(27) 4	1		2	1	(1) 4	32	(5) 58	(10) 29	(21) 1				1	
February			1	4	9	9	64	49	28	60	3	12	13	32	161	3	3	3	23	(3) 87	(12) 74	(19) 25	(6) 5	4		3	1	(3) 19	76	(11) 43	(17) 9	(5) 2	1			1	
March					5	9	25	42	37	130	8	36	23	55	115	11	12	(1) 2	6	57	93	(6) 51	(27) 15	8		11	2	6	32	(4) 42	(24) 20	(20) 8	3			4	4
April				2	11	3	45	52	61	66	8	30	30	45	123	4	4	6	19	75	79	(1) 40	(3) 7	4	2	4	3	13	66	(1) 42	(7) 14	(3) 2			4	2	
May	1	5		10	14	5	47	43	90	33	7	18	30	63	97	33	33	2	5	(1) 69	(4) 78	(16) 53	1	5		33	2	5	53	(3) 37	(6) 29	(1) 1	2			2	
June	11	14	4	6	19	16	64	64	27	15	11	17	33	46	86	47	47	5	2	79	73	(1) 54	(2) 21	4		47	5	2	54	(3) 36	(6) 8	(1) 1	2			7	
July	16	21	5	15	21	26	56	42	33	13	29	19	26	49	63	62	62	6	2	(1) 71	(2) 54	(5) 21	(2) 3	16	3	62	6	2	40	(1) 22	(3) 10	(1) 2	3			10	
August	6	13	4	19	28	25	62	43	26	22	43	11	11	37	82	64	64	6	5	(1) 57	(3) 34	(3) 27	(1) 7	10	10	64	3	5	44	(2) 23	(2) 22	(1) 5	1			28	5
September		6	3	19	13	21	51	62	40	25	16	24	28	40	94	38	38	1	11	(3) 76	60	(11) 23	(8) 12	10	2	38		11	55	(1) 30	(8) 9	(7) 7	4			7	3
October		4	2	5	16	2	69	68	60	22		10	23	62	130	23	25	1	8	(1) 98	(9) 84	(20) 29	(6) 2	1		23	1	7	77	(8) 48	(15) 15	(3) 10				1	
November				10	14	10	30	87	54	35	14	26	15	42	125	18	23	2	17	(3) 91	(18) 65	(14) 18	(8) 4	16	2	18	1	15	56	(17) 33	(12) 10	(7) 4	4			2	6
December			1	4	10	7	38	56	117	15		7	20	36	180	5	11	(1) 6	32	(12) 58	(10) 80	(48) 59	(9) 1	1		5	4	27	(12) 39	(8) 23	(43) 39	(9) 1	1			1	
Total	34	63	20	99	161	139	581	638	611	574	141	234	294	579	1363	309	324	(2) 41	(1) 135	(25) 863	(78) 892	(200) 440	(96) 61	80	19	310	(2) 29	(1) 116	(21) 624	(64) 437	(154) 214	(78) 33	20			65	23
Mean	3	5	2	8	13	12	48	53	51	48	12	19	25	48	114	26	27	(-) 3	(-) 11	(2) 72	(7) 74	(17) 37	(8) 5	7	2	26	(-) 2	(-) 10	(2) 52	(5) 36	(13) 18	(7) 3	2			5	2

Frequency Table V for Deception Island, South Shetlands, 1954.

MONTH	WEATHER: No. of Days ¹																									
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	¹⁰ ¹⁸	¹⁰	¹⁰	¹⁰ & ¹⁸	¹⁰	¹¹	¹¹	¹²	¹³	¹⁴	¹⁰ & ¹⁵	10 & 16 Fog		10 & 17 HAIL			
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	= > 0.10 mm	= > 1.0 mm	= > 10.0 mm	WIND FORCE > 6	WIND FORCE > 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft	
	> 32°F	< 5°F	< -4°F	> 41°F																						
January	3			2				7		5	18	5	4		23				8				3			1
February	5			4				14		13	18	9	13		28				7	1			6			
March	3							11		6	23	6	7		20				7		1	3				
April	1			1				18	2	8	26	5	12		21				8	2	2	3		1	2	
May	2			1	Not recorded.	Not recorded.	Not recorded.	21	2	11	21	5	3		18		Not recorded.	Not recorded.	15	3	4	6		1	1	
June					Not recorded.	Not recorded.	Not recorded.	17	7		27		9		18				23	2		10	1		5	
July					Not recorded.	Not recorded.	Not recorded.	17	8	2	24		4		20				18		5	11		1		
August		5	6		Not recorded.	Not recorded.	Not recorded.	12	6	2	27	1	1		18	1	Not recorded.	Not recorded.	26		4	10			1	
September		1	1		Not recorded.	Not recorded.	Not recorded.	14	3		26		6		20	1			25	4	4	8				
October	2			2				19		9	27	9	7		27				20	2	1	8		3		
November	2							11	1	6	21	6	6		22				10	1	3	4		2		
December	9			1				5		7	12	3	6		28					4	7					2
Total	27	6	7	11	—	—	—	166	29	69	270	49	78	0	263	2			167	19	31	72	1	8		12
Mean	2	1	1	1	—	—	—	14	2	6	23	4	7	—	22	—			14	2	3	6	—	1		1

Frequency Table VI for Deception Island, South Shetlands, 1954.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																	
		FORCES (Beaufort)					DIRECTIONS (degrees)												
	KNOTS	5 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	
January	10.9		14	110	110	14	5	12	65	26	3		2	6	22	42	30	21	
February	13.1		33	111	66	14	13	19	43	27	7	7	2	1	3	20	26	42	
March	13.1		40	107	83	18	12	22	77	30	3	1		5	10	17	23	30	
April	15.7	3	51	131	49	6	11	6	20	3	2	1	1	3	31	67	39	50	
May	15.9	3	74	104	41	26	19	9	18	9	1	1	2	2	37	46	29	49	
June	15.9	18	50	86	63	23	12	21	49	15	12	3	1	3	21	16	34	30	
July	15.2	26	58	56	54	54	11	4	101	20	4	1		2	14	11	12	14	
August	12.4	23	29	68	69	59	12	12	62	25	7	2	2			10	21	36	
September	13.4	7	39	100	57	37	10	12	22	6	1				7	48	46	51	
October	14.6		49	126	60	13	15	15	18	9	3			1	6	33	51	84	
November	12.6	1	27	102	84	26	10	6	39	26	5		2	1	8	26	45	46	
December	9.9		12	99	105	32	6	4	69	40	6	2			6	22	20	41	
Total	162.7	81	476	1200	811	322	136	142	583	236	54	18	12	24	165	358	376	494	
Mean	13.6	7	40	100	70	27	11	12	49	20	5	1	1	2	14	30	31	41	

Frequency Tables VII to X for Deception Island, South Shetlands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1				1		2	5	4	1	14
2	1	3	4	3				1	3	7	7	4	33
3	3	3	4	9	3		1	3	6	15	10	6	63
4	1	4	18	8				2	9	14	8	8	72
5		2	28	2					2	1	1	2	38
6			10	4									14
7													
= 8													
> 8													
Totals	5	12	65	26	3		2	6	22	42	30	21	234

CALMS - 14

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1				1	2	1		1				6
2		2			1	5	1	1		1	8	6	25
3	2	1	4	1	1					5	10	11	35
4	6	10	12	5	1					8	8	23	73
5	4	5	13	7	2				1	4		2	38
6		1	13	12	1				1	2			30
7			1	2									3
= 8													
> 8													
Totals	13	19	43	27	7	7	2	1	3	20	26	42	210

CALMS - 14

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	2	1									4
2	4		1	3		1		1	1	2	4	6	23
3	1	4	14	11	1			2	1	8	9	5	56
4	4	5	23	7	2			2	2	4	3	13	65
5	3	8	20	2					3	2	1	3	42
6		4	15	6					3	1	4	3	36
7			2								2		4
= 8													
> 8													
Totals	12	22	77	30	3	1		5	10	17	23	30	230

CALMS - 18

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1									1	1	1	4
2			2				1			2	5		10
3	1				2			1	5	12	8	6	35
4	3	5	4	3		1			8	21	10	17	72
5	5	1	8						7	18	6	14	59
6	1		6					2	10	12	5	11	47
7										1	2	1	4
= 8									1		2		3
> 8													
Totals	11	6	20	3	2	1	1	3	31	67	39	50	234

CALMS - 6

Frequency Tables XI to XIV for Deception Island, South Shetlands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1										2	3
2			1	1		1	1		1	1	2	3	11
3	1		1	2		1	1		3	7	1	11	27
4	1	3	2	2	1			2	12	13	9	12	57
5	4	2	6	2					6	12	9	6	47
6	9	3	6	2					9	9	6	13	57
7	3		2						4	4	2	2	17
= 8	1								2				3
> 8													
Totals	19	9	18	9	1	1	2	2	37	46	29	49	222

CALMS - 26

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1				1	1					8
2	3	2	1					1			2	5	16
3	5	8	4	1	2			1			6	7	39
4	2	8	8	6	1	1			5	6	9	9	55
5	2	2	7	5		2			5	1	3	4	31
6		1	13		2				8		6	3	33
7			6	1	1				3		3	3	17
= 8			9	2	6							1	18
> 8													
Totals	12	21	49	15	12	3	1	3	21	16	34	30	217

CALMS - 23

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1									1		3	1	5
2	2		1		3					2	3	7	18
3	8		5	6	1					3	3	5	31
4	1	2	14	6			1	3	1	3			31
5		2	15	2		1		2	2			1	25
6			23	2				4	2				31
7			17	4				1	4	1			27
= 8			26										26
> 8													
Totals	11	4	101	20	4	1		2	14	11	12	14	194

CALMS - 54

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1	1	2	1	1					2	13
2		1	4		2		1			2	5	6	21
3	1	4	3	3	2	1				3	8	10	35
4	5	5	14	1	1					1	4	12	43
5	2		15	1						2	2	3	25
6	4	2	7	1						2			16
7			13										13
= 8			5	18									23
> 8													
Totals	12	12	62	25	7	2	2			10	21	36	189

CALMS - 59

Frequency Tables XV to XVIII for Deception Island, South Shetlands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1										1		2	3
2	1	1	1						2	3	6	3	17
3	1	1	1		1				2	7	14	10	37
4	1	2	2	1					2	12	19	21	60
5	3	1	5	3						14	4	10	40
6	4	6	3	1						10	2	4	30
7		1	4	1						1	1	1	9
≥ 8			6						1				7
Totals	10	12	22	6	1				7	48	46	51	203

CALMS - 37

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1		1	1									1 1 5
2			1		1			1					3 2 1 9
3	1	5	2	2	1				1	4	9	21	46
4	5	3	3	2	1				1	20	17	26	78
5	3	6	6	1					2	4	8	18	48
6	3		5	3					2	2	13	15	43
7	2	1									1	2	6
≥ 8													
Totals	15	15	18	9	3			1	6	33	51	84	235

CALMS - 13

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	1				1		2	2	1		8
2			2	1	2		1		1	5	4	2	18
3		1	3	3	2			1	1	10	19	18	58
4	4	3	15	5	1					6	10	19	63
5	6	1	14	8					2	3	2	3	39
6			4	8					2		6	1	21
7				1							3	2	6
≥ 8												1	1
Totals	10	6	39	26	5		2	1	8	26	45	46	214

CALMS - 26

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		1	1	2			1	5	1	1	13
2	1		4	3	3				1	6	4	5	27
3	2	1	10	8	1				1	5	15	22	65
4	3	1	26	22						3		13	68
5		1	18	6	1				3	2			31
6			11							1			12
7													
≥ 8													
Totals	6	4	69	40	6	2			6	22	20	41	216

CALMS - 32

Frequency Table XIX for Deception Island, South Shetlands, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	3	4	7	4	4	5	5	1	7	15	14	17	86
2	12	9	22	11	12	7	5	5	9	36	55	45	228
3	26	28	51	46	17	1	2	8	20	85	113	130	527
4	36	51	141	68	8	2		7	42	109	100	173	737
5	32	31	155	39	3	3			33	65	36	66	463
6	21	17	116	30	3			2	39	41	42	50	370
7	5	2	45	9	1			1	11	7	14	11	106
= > 8	1		46	20	6				4		2	2	81
Totals	136	142	583	236	54	18	12	24	165	358	376	494	2598

CALMS 322.

Means and Extremes Table I for Argentine Islands, 1954.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	986.1	1003.1	5th	969.3	31st	28.5	28.8	29.8	31.5	32.7	32.3	31.3	29.4	30.5	34.7	26.6	39	31st	21	16th
February	981.8	996.4	15th	966.5	5th	31.0	30.4	31.3	32.8	34.0	33.3	32.1	31.4	32.0	35.8	28.8	44	<u>7th</u>	20	3rd
March	988.1	1009.5	7th	967.4	10th, 11th	29.1	27.9	28.6	30.9	32.0	31.0	29.5	28.8	29.7	34.5	24.8	44	<u>18th</u>	16	22nd
April	984.3	1009.6	21st	958.0	16th	23.6	23.9	22.2	24.3	24.7	23.9	23.8	23.0	23.8	28.9	17.0	37	5th, 19th	-1	10th
May	986.1	1013.5	4th	<u>950.8</u>	<u>24th</u>	19.8	19.7	18.5	18.1	18.8	18.4	18.5	19.4	18.9	26.3	11.6	42	11th	-7	21st, 30th
June	997.1	1017.4	15th	961.5	18th	11.1	11.6	11.2	11.5	11.2	10.9	10.0	11.2	11.1	17.8	2.3	34	18th, 19th	-21	27th
July	993.1	1013.6	30th	964.4	25th	7.9	7.3	6.0	7.6	8.0	8.5	8.8	7.9	7.7	15.8	0.0	40	4th	-25	19th
August	994.9	1016.3	25th	964.3	29th	-0.1	0.1	-0.6	1.0	2.9	1.9	1.3	0.7	0.9	9.3	-7.7	38	27th	<u>-30</u>	<u>23rd, 24th</u>
September	987.9	<u>1026.1</u>	<u>26th</u>	951.1	5th	11.5	10.2	9.1	10.6	12.2	11.6	11.9	12.1	11.1	20.0	14.7	41	30th	-29	8th
October	984.2	1010.5	21st	962.0	15th	25.3	25.1	26.3	29.2	29.0	28.2	26.3	25.7	26.9	32.1	20.2	41	1st	-2	20th
November	988.1	1006.8	17th	961.5	11th	27.8	28.0	29.9	32.3	32.7	31.9	29.9	28.2	30.1	35.8	24.6	44	<u>14th</u>	12	1st
December	998.2	1011.8	15th	984.1	18th	30.6	30.7	32.4	33.6	34.1	33.2	32.2	31.4	32.3	36.8	28.7	42	1st	22	1st
Total	11869.9	12134.6	—	11560.9	—	246.1	243.7	244.7	263.4	272.3	265.1	255.6	250.1	255.0	327.8	191.6	486	—	-24	—
Mean	989.2	1011.2	—	963.4	—	20.5	20.3	20.4	21.9	22.7	22.1	21.3	20.8	21.3	27.3	16.0	40.5	—	-2.0	—

Means and Extremes Table II for Argentine Islands, 1954.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹		
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹								1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000	2300		REC.	EST.				
January	89	89	89	85	83	86	88	93	88	6.3	6.2	6.3	5.9	6.1	6.1	6.5	6.5	6.2	4.9	4.9	20.1	2.9	1.3	5th
February	89	90	89	85	81	85	88	89	87	7.4	7.3	7.2	7.0	6.9	7.0	6.7	7.3	7.1	2.4	2.4	16.3	12.9	8.5	18th
March	87	89	87	81	82	86	87	89	86	5.5	6.2	6.1	6.3	6.6	5.7	5.9	5.5	6.0	3.1	3.2	12.8	11.2	4.0	10th
April	91	87	88	90	90	90	89	91	89	6.0	6.0	6.3	6.8	7.0	6.8	6.4	5.5	6.3	1.0	1.0	9.4	12.2	5.1	5th
May	86	87	88	88	85	85	85	86	86	6.7	6.2	6.5	6.4	6.8	6.8	6.0	6.5	6.5	0.6	0.6	6.0	—	—	
June	87	86	86	89	88	89	87	84	87	5.2	5.1	5.7	6.0	6.3	5.8	5.7	5.6	5.7	0.3	0.4	3.7	—	—	
July	87	84	85	84	85	86	83	87	85	5.4	4.9	5.5	6.1	6.4	5.8	4.7	5.0	5.5	0.0	0.4	4.9	—	—	
August	83	83	83	84	83	84	81	84	83	4.9	5.2	5.7	5.8	6.5	6.5	5.9	5.3	5.7	0.9	1.1	8.1	—	—	
September	85	87	87	84	84	86	85	85	85	6.4	6.4	6.2	6.5	6.9	7.3	7.1	6.2	6.6	1.7	1.7	11.4	—	—	
October	94	92	91	89	91	90	92	93	91	7.3	7.5	7.7	7.6	7.5	7.6	7.3	7.2	7.5	1.0	1.0	14.4	—	—	
November	91	91	86	82	84	88	89	91	88	7.0	7.0	7.1	7.0	6.7	6.7	6.9	6.6	6.9	1.9	2.5	18.5	—	—	
December	90	91	88	87	83	87	90	90	88	7.0	7.4	7.3	6.8	7.1	7.3	7.2	7.4	7.2	2.3	2.3	22.1	17.1	5.4	28th
Total	1059	1056	1047	1028	1019	1042	1044	1062	1043	75.1	75.4	77.6	78.2	80.8	79.4	76.3	74.6	77.2	20.1	21.5	147.7	—	—	—
Mean	88	88	87	86	85	87	87	89	87	6.3	6.3	6.5	6.5	6.7	6.6	6.4	6.2	6.4	1.7	1.8	12.3	—	—	—

Frequency Table I for Argentine Islands, 1954.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																				
	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0	1040.0	1045.0	1050.0
	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>
	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9	1044.9	1049.9	1054.9
January				4	13	39	58	74	28	5	27										
February				10	34	59	53	24	36	8											
March				11	22	47	20	32	44	27	27	18									
April		2	4	9	23	50	36	33	45	24	7	7									
May	4	8	13	12	19	19	15	34	61	34	12	11	6								
June			5	6	10	11	14	21	25	37	23	39	35	14							
July			1	10	11	27	21	29	29	31	38	25	26								
August			3	12	7	22	23	25	26	16	32	44	29	9							
September	4	6	6	8	34	39	22	17	21	27	20	5	7	10	10	4					
October			8	16	44	28	27	46	32	28	11	5	3								
November			9	13	28	14	16	26	52	57	14	11									
December							5	17	46	98	48	27	7								
Year	8	16	49	111	245	355	310	378	445	392	259	192	113	33	10	4					

Frequency Table III for Argentine Islands, 1954.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January									1	4	4	4	13	10	34	65	62	51	
February									3	1	6	5	12	14	28	44	60	45	6
March							1	1		2	3	8	14	22	35	53	66	37	6
April										1	2	2	2	11	31	50	73	63	5
May								1		2	2	6	19	22	40	54	59	40	3
June	1									1		3	11	20	50	57	56	37	4
July								1	1	1	3	6	5	36	48	72	49	19	7
August											2	6	20	54	52	62	29	19	4
September							1		1		2	5	14	22	61	56	46	30	2
October										1	2	2	3	8	15	44	77	81	15
November						1		1	1	4	8	4	8	17	24	41	49	71	11
December											1	9	7	14	41	56	55	55	10
Totals	1					1	2	4	7	17	35	60	128	250	459	654	681	548	73
Mean	—					—	—	—	1	1	3	5	11	21	38	55	57	46	6

Frequency Table IV for Argentine Islands, 1954.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS ⁷ (metres)															No Cloud	TRACES DISREGARDED			
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	≥ 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS									
																	0	30	60	120	300	600	1200	2400	≥ 6000	0	30	60	120	300	600			1200	2400	≥ 6000
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400			to 6000		
January				10	1		33	7	10	187	83	33	16	41	67	8	8		7	20	(2) 24	(4) 63	(7) 33	75	11	8		7	14	(2) 15	(3) 31	(7) 17	26		7	10
February			3	1		20	14	23	163	37	25	22	45	93	2	2		1	14	(3) 44	(5) 62	(10) 57	41	3	2		1	12	(3) 28	(4) 41	(8) 32	16			7	
March			1	1	1	23	52	13	157	70	43	26	49	59	1	1	2	1	5	(4) 61	(6) 55	(6) 46	54	9	1	1	1	2	(4) 39	(9) 22	(4) 11	8	2	14	7	
April	2	4	4	4	7	71	54	28	66	58	18	13	22	121	8	8	3	2	24	(2) 79	(2) 53	(5) 10	41	2	8	3	2	21	(2) 68	(1) 28	(5) 4	7		18	3	
May			7	4	10	46	49	26	106	34	45	18	44	104	3	3		3	50	(10) 97	(11) 38	(13) 19	29	4	3		31	(7) 58	(5) 17	(8) 12	10		5	4		
June		10	9	4	13	34	44	68	58	59	39	11	26	95	10	10	2	4	39	(1) 69	(7) 37	(5) 14	29	9	10		3	26	(1) 41	(5) 30	(3) 4	11	1	27	6	
July	1		1	3	1	16	40	35	151	86	59	14	28	59	2	2	1	2	32	(4) 63	(8) 41	(14) 12	58	16	2	1		8	(2) 24	(7) 22	(11) 8	17	2	21	9	
August			5	2		28	61	13	139	53	50	21	18	105	1	1		2	29	(3) 58	(4) 68	(2) 26	47	2	1		1	20	(3) 32	(3) 40	(2) 16	11		15	11	
September	2	1	12	3		30	72	25	95	32	28	21	31	122	6	6		3	53	(1) 79	(7) 38	(8) 22	23	8	6		2	44	56	(3) 25	(5) 13	7	1	8	7	
October	2	2	3	13	4	44	75	25	80	5	21	30	27	162	3	3	1	5	53	(2) 103	(17) 58	(15) 16	7	2	3	1	4	41	(2) 75	(11) 31	(14) 9	1			4	
November	1	1		2	5	20	47	21	143	31	21	27	49	111	1	1		1	37	(4) 56	(9) 82	(13) 28	33		1		1	27	(2) 41	(5) 46	(8) 13	2		2	4	
December	2		2	4	2	21	65	30	122	21	24	24	49	126	4	4	13	20	(1) 44	(6) 30	(13) 66	(16) 40	29	2	4	11	17	(1) 36	(8) 15	(12) 36	(13) 16	13			10	
Total	10	18	57	42	43	386	580	317	1467	569	406	243	429	1224	49	49	22	51	(1) 400	(42) 763	(98) 661	(114) 323	466	68	49	17	39	(1) 282	(34) 492	(68) 369	(88) 155	129	6	117	82	
Mean	1	1	5	3	4	32	48	26	122	47	34	20	36	102	4	4	2	4	(-) 33	(3) 64	(8) 55	(9) 27	39	6	4	1	3	(-) 23	(3) 41	(6) 31	(7) 13	11	1	10	7	

Frequency Table V for Argentine Islands, 1954.

MONTH	WEATHER: No. of Days ¹																									
	TEMPERATURE ⁸				PRECIPITATION ¹			9	9	10	18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16		10 & 17		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE = 6	WIND FORCE = 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFF	SHOWERS	FOG		HAIL			
	>32°F	<5°F	<-4°F	>41°F	||	||	||	WIND FORCE = 6	WIND FORCE = 8												True	Pseudo	True	Small	Soft	
January					6	2		1			15				21	1				1		3	2			4
February	4			2	9	3		1		6	14		2		23							4				1
March	1			2	6	3		3		6	13		2		19	2			1	3	1					
April					4	3		6		4	22	6	1		20	1				7	6		6		2	3
May	1	2	4	1				12	2	4	19	4	2		18					9	4	2	4			
June		3	11		Not recorded.	Not recorded.	Not recorded.	6	1		23	2	1		18	2				12	4	2	5			
July	1	7	11		Not recorded.	Not recorded.	Not recorded.	5	3	2	17	1			12	2				6	4	4		2		
August		13	20		Not recorded.	Not recorded.	Not recorded.	5		1	13	4			16	2				5	2	4	2			1
September		3	11		Not recorded.	Not recorded.	Not recorded.	9	2	3	21	1	1		23	1				12	4	1	6			1
October								17	3	5	20	7			28					13	10	1	3		1	
November				2				6	1	2	21	6	2		22	1				4	6	1		1		1
December	1			1	9	5		1		6	14	5	12		26						3	4				
Total	8	28	57	8	—	—	—	72	12	39	212	36	23	0	246	12			70	46	27	28	3	3	11	
Mean	1	2	5	1	—	—	—	6	1	3	18	3	2	—	21	1			6	4	2	2	—	—	1	

Frequency Table VI for Argentine Islands, 1954.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																	
		FORCES (Beaufort)					DIRECTIONS (degrees)												
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 50	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	
January	5.1		1	24	206	17	29	20	7	3	11	22	47	21	33	18	10	10	
February	5.4		1	21	195	7	17	18	6	8	9	26	45	24	26	19	10	9	
March	6.5	1	8	45	126	68	36	41	13	12	10	18	21	10	4	5	3	7	
April	9.7		23	70	101	46	66	34	9	3	1	17	28	11	8	5	6	6	
May	9.3	2	25	66	91	64	19	48	8	3	7	10	35	31	10	2	3	8	
June	8.1	1	23	42	99	75	9	32	10	10	11	18	41	16	7	6	4	1	
July	4.9	4	8	17	94	125	6	13	11	4	2	16	49	9	6	2	2	3	
August	4.9		7	30	88	123	7	20	4	1	2	9	48	22	5	4	1	2	
September	8.7	3	21	46	98	72	17	40	6	1	2	8	45	22	14	9	1	3	
October	13.6	5	58	71	79	35	32	94	8	12	4	11	17	12	4	7	6	6	
November	7.4	1	11	61	84	83	23	52	9	4	2	6	21	11	12	6	7	4	
December	7.2		1	13	95	139	20	28	3	3	1	5	28	9	6	4	1	1	
Total	90.8	17	187	506	1356	854	281	440	94	64	62	166	425	198	135	87	54	60	
Mean	7.6	1	16	42	113	71	23	37	8	5	5	14	35	17	11	7	5	5	

Frequency Tables VII to X for Argentine Islands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	13	4	4	2	4	6	18	8	10	10	6	5	90
2	7	5			5	8	16	8	13	6	3	3	74
3	4	3	1	1	2	6	9	5	7	1	1	2	42
4	5	4	1			2	3		3	1			19
5		4					1						5
6			1										1
7													
≥ 8													
Totals	29	20	7	3	11	22	47	21	33	18	10	10	231

CALMS - 17

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.	
1		4	3	1		5	10	16	10	12	12	6	5	84
2		4	4		1	4	13	12	11	11	5	2	3	70
3		3	4	2	4		3	15	3	3	1	2	1	41
4		4	4	1	3			2			1			15
5		2	3	1										6
6				1										1
7														
≥ 8														
Totals	17	18	6	8	9	26	45	24	26	19	10	9	217	

CALMS - 7

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		2	4	4	1	9	9	5		2	1		37
2	7	4	4	3	6	5	7	2	3	1		2	44
3	10	12		3	2	4	3	3	1	2	1	4	45
4	10	9	5	1	1		2						29
5	7	8										1	16
6	1	6											7
7				1									1
≥ 8	1												1
Totals	36	41	13	12	10	18	21	10	4	5	3	7	180

CALMS - 68

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3		3	1		2	1	1	1	1	2		15
2	6		1		1	6	8	4	3		1		30
3	9	4	1	2		7	19	5	1	4	2	2	56
4	35	10	2			1		1	3		1		53
5	9	5				1						2	17
6	4	5	2									1	12
7		10										1	11
≥ 8													
Totals	66	34	9	3	1	17	28	11	8	5	6	6	194

CALMS - 46

Frequency Tables XI to XIV for Argentine Islands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1		1	4	5	2					13
2	1	1		2	3	1	17	3	4			1	33
3	5	4	1	1	3	4	9	15	2		1		45
4	6	12	4			1	4	8	2	1	2	1	41
5	5	15						3	1			1	25
6	2	14	1						1			4	22
7		1	1									1	3
≥ 8		1								1			2
Totals	19	48	8	3	7	10	35	31	10	2	3	8	184

CALMS - 64

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				2	3	1	1		1				8
2	2		2	6	5	8	17	5	1	2	1	1	50
3	1	1		2	2	5	19	7	1	2	1		41
4	1	5	2		1	2	4	2	3	2			22
5	1	13				2		2				2	20
6	4	10	4						1				19
7		2	2										4
≥ 8		1											1
Totals	9	32	10	10	11	18	41	16	7	6	4	1	165

CALMS - 75

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1	1		5	6	2		1	1		17
2			1	1	2	2	22	1	2	1	1	2	35
3	3	3	1	1		6	20	5	3				42
4	2	1	1	1		3	1	1				1	11
5	1	3	1						1				6
6		5	1										6
7			2										2
≥ 8		1	3										4
Totals	6	13	11	4	2	16	49	9	6	2	2	3	123

CALMS - 125

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		2	1			1	5	5	2	2	1		19
2	1	1			1	1	10	5	1	1		1	22
3	1				1	4	26	11	2	1		1	47
4	3	4	2	1		3	7	1					21
5	1	8											9
6	1	4	1										6
7		1											1
≥ 8													
Totals	7	20	4	1	2	9	48	22	5	4	1	2	125

CALMS - 123

Frequency Tables XV to XVIII for Argentine Islands, 1954.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1				1	1	1	1				5
2	3	3	1	1		4	16	5	4	3		1	41
3	4	1	1		2	3	24	7	7	2		1	52
4	3	4					4	7	2	2	1	1	24
5	4	16						2					22
6	3	6	2							2			13
7		6	2										8
≥ 8		3											3
Totals	17	40	6	1	2	8	45	22	14	9	1	3	168

CALMS — 72

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1					1		1	1	1		5
2	3	4		4	1	3	8	2	1	3		2	31
3	5	11	1	1	2	3	8	5	1	1	2	3	43
4	10	11	2	4	1	5		5	1	2	3	1	45
5	8	14	3	1									26
6	5	25		2									32
7	1	23	2										26
≥ 8		5											5
Totals	32	94	8	12	4	11	17	12	4	7	6	6	213

CALMS — 35

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	1			1	3	2	3	1			12
2	1	5	2	3	2	1	6	4	5	1	1	3	34
3	6	9		1		3	10	1	2	3	3		38
4	11	19	1			1	2	4	2		2	1	43
5	1	15	1							1	1		18
6	3	2	2							1			8
7	1	1	1										3
≥ 8			1										1
Totals	23	52	9	4	2	6	21	11	12	6	7	4	157

CALMS — 83

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3	1					8	1	3		1	1	18
2	5	7	2	2		2	8	6	1	2			35
3	8	11		1	1	3	12	2	2	2			42
4	4	7	1										12
5		1											1
6		1											1
7													
≥ 8													
Totals	20	28	3	3	1	5	28	9	6	4	1	1	109

CALMS — 139

Frequency Table XIX for Argentine Islands, 1954.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												
	350	20	50	80	110	140	170	200	230	260	290	320	ALL DIRECTIONS
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	23	15	16	10	14	40	74	37	34	30	19	11	323
2	40	34	13	23	30	54	147	56	49	25	9	19	499
3	59	63	8	17	15	51	174	69	32	19	13	14	534
4	94	90	22	10	3	18	29	29	16	9	10	5	335
5	39	105	6	1		3	1	7	2		3	4	171
6	23	78	15	2					2	3		5	128
7	2	44	10	1								2	59
=> 8	1	11	4							1			17
Totals	281	440	94	64	62	166	425	198	135	87	54	60	2066

CALMS 854.

Upper Means Table I and II for Argentine Islands, 1954.

TABLE I.

MONTH	MEAN AIR AND DEW POINT TEMPERATURES AT STANDARD LEVELS IN °F for 1100 Zone Time:—																						
	SURFACE		900 mb.		850 mb.		800 mb.		700 mb.		600 mb.		500 mb.		400 mb.		300 mb.	200 mb.	150 mb.	100 mb.	MEAN TROPOPAUSE		
	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Air	Air	Air	Air	Press. mb.	Height	Temp.
July	6.3	3.2	5.9	5.4	13.8	1.8	10.0	-2.8	0.7	-12.5	³⁰ -11.6	³⁰ -26.9	³⁰ -28.2	²⁹ -42.2	³⁰ -48.4	³ -49.7	²⁹ -71.8	²⁵ -88.0	²¹ -88.9	¹³ -91.9	27	27	27
August	0.4	-3.3	10.4	0.1	8.3	-3.4	4.5	-6.0	-2.5	-17.5	³⁰ -14.9	³⁰ -32.7	³⁰ -31.6	³⁰ -48.6	² -51.8	^{49.0} -74.9	²⁷ -74.9	²⁵ -91.6	²¹ -95.3	¹⁰ -99.4	238	33000	-89.1
September	9.9	9.5	12.6	3.6	9.0	-1.1	6.2	-4.4	-1.7	-15.8	³⁰ -14.3	³⁰ -30.1	³⁰ -30.6	²⁰ -45.0	²⁸ -49.6	³ 50.3	²⁸ -72.6	²⁷ -93.9	²⁵ -97.6	¹⁶ -97.8	225	33710	-92.3
October	³⁰ 28.3	³⁰ 26.2	³⁰ 25.0	³⁰ 17.8	³⁰ 20.1	³⁰ 12.7	³⁰ 15.1	³⁰ 7.5	³⁰ 3.7	³⁰ -6.0	³⁰ -9.4	³⁰ -21.0	³⁰ -25.6	²⁹ -38.9	²⁹ -43.5	⁶ -46.3	²⁸ -67.1	²⁶ -82.7	²¹ -84.7	¹³ -80.8	236	32820	-92.3
Total	44.9	35.6	53.9	26.9	51.2	10.0	35.8	-5.7	0.2	-51.8	-50.2	-110.7	-116.0	-174.7	-193.3	—	-286.4	-356.2	-366.5	-369.9	954	131380	-354.1
Mean	11.2	8.9	13.5	6.7	12.8	2.5	8.9	-1.4	0.1	-12.9	-12.5	-27.7	-29.0	-43.7	-48.3	—	-71.6	-89.1	-91.6	-92.5	239	32850	-88.5

TABLE II.

MONTH	MEAN HEIGHTS ABOVE M.S.L. OF STANDARD PRESSURE LEVELS (ft.)										
	900 mb.	850 mb.	800 mb.	700 mb.	600 mb.	500 mb.	400 mb.	300 mb.	200 mb.	150 mb.	100 mb.
July	2490	3940	5510	8780	³⁰ 12530	³⁰ 17140	³⁰ 21820	²⁹ 27940	²⁵ 36060	²¹ 41810	¹³ 49670
August	2500	3980	5440	8730	³⁰ 12450	³⁰ 16700	³⁰ 21670	²⁷ 27760	²⁵ 35830	²¹ 41490	¹⁰ 49220
September	2350	3790	5300	8590	12310	16550	²⁸ 21540	²⁸ 27660	²⁷ 35770	²⁵ 39700	¹⁶ 49240
October	³⁰ 2240	³⁰ 3790	³⁰ 5300	³⁰ 8690	³⁰ 12450	³⁰ 16740	²⁹ 21790	²⁸ 27960	²⁶ 36280	²¹ 42040	¹³ 50250
Total	9580	15450	21550	34790	49740	67130	86820	111320	143940	165040	198380
Mean	2390	3860	5390	8700	12430	16780	21710	27830	35990	41260	49590

Upper Air Frequency Tables I and II for Argentine Islands, 1954.

TABLE I.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 5°F ranges :- 4																																						
	Surface															900 mb.																							
	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	-30	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59
July				1	2	2	3	2	3	6	3	4	1	2	2												2		1	5	8	4	5	2	3	1			
August				3	3	4	4	4	3	2	1	3	1	1	1	1										1	1	3	5	6	4	6	2	2	1				
September				1			4	3	4	2	4	5	2	2	3										1		1	4	8	3	6	1	6						
October										1	1	1	1	11	13	2														4	10	11	4	1					
Total				5	5	6	11	9	10	11	9	13	5	16	19	3										2	3	4	10	19	15	20	18	21	8	2			

TABLE II.

MONTH	850 mb.															800 mb.																								
	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	
July						1	1		4	3	7	8	3	2	1	1										1	1	2	2	9	7	5	1	3						
August					1	2	2	5	8	4	5	3	1												1	3	6	5	6	7	2	1								
September				1			2	8	5	6	4	3	1												1		1	6	4	7	5	4	2							
October										3	12	10	4	1														4	9	9	7	1								
Total				1	2	3	4	17	16	20	29	19	8	2	1											1	2	5	14	11	26	28	20	11	4					

Upper Air Frequency Tables III and IV for Argentine Islands, 1954.

TABLE III.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 5°F ranges :- ⁴																																											
	700 mb.																	600 mb.																										
	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35				
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to					
July										3	6	4	9	5	2	2																												
August										4	9	8	6	3	1											1	5	10	12	1	1													
September										2	3	5	10	4	4											1	6	9	7	4	1	2												
October												2	6	9	8	3	2											1	6	8	9	3	3											
Total										2	10	22	28	28	20	6	6											2	18	28	37	20	9	6										

TABLE IV.

MONTH	500 mb.																	400 mb.																														
	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0								
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to							
July																																																
August																																																
September																																																
October																																																
Total																																																

Upper Air Frequency Tables VII and VIII for Argentine Islands, 1954.

TABLE VII.

RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges:-

MONTH	Surface											900 mb.										850 mb.										800 mb.														
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=		
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>		
July								1	5	11	13	1					4	7	12	4	4					3	5	7	5	8	3					1	5	1	10	4	6	4				
August									7	16	8					2	3	6	4	14	2					1		4	7	7	6	6					1	1	6	4	6	8	5			
September								1	3	17	8	1					4	2	9	11	4					4		3	8	11	4							5	3	9	11	1				
October									1	8	19	2					3	3	1	7	14	2							2	3	3	9	11	2												
Year								2	16	52	48	4					5	14	16	32	43	12					1	7	11	20	23	34	24	2					4	8	9	25	18	34	23	1

TABLE VIII.

MONTH	700 mb.											600 mb.										500 mb.										400 mb.												
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>
July																																												
August		1	1	6	3	6	7	5	2				1	3	8	2	6	5	4	1				1	2	3	7	6	5	4	1							1	1					
September		1	4	4	6	7	5	1	3				2	6	9	2	4	4	3				1	2	8	7	3	7	1	2							1	1						
October	1		1	4	5	8	5	6				1	4	7	3	4	9	2				1	1	3	3	9	8	4							1	2								
Year	1	3	6	16	14	27	21	22	11	1				5	14	27	10	20	28	13	3				2	7	16	19	25	28	18	3					2	5	3	2				

Upper Air Frequency Tables IX and X for Argentine Islands, 1954.

TABLE IX.

MONTH	MEAN WIND SPEED	WINDS AT STATION LEVEL : Number of observations at 1100 Zone Time of :—																							
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS
	1	10	20	30	40	60	80	100	120	140	160	>170	345		015	045	075	105	135	165	195	225	255	285		315
KNOTS	to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344		
July	3.5	6	2										9						1	4	2	1			17
August	5.1	1	5										7		1				1	2	2				13
September	2.4	5											5	1		1				2		1			10
October	8.0	1														1									1
Year	—	13	7										21	1	1	2			2	8	4	2			41

TABLE X.

MONTH	MEAN WIND SPEED	WINDS at 900 mb. : Number of observations at 1100 Zone Time of :—																							
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS
	1	10	20	30	40	60	80	100	120	140	160	>170	345		015	045	075	105	135	165	195	225	255	285		315
KNOTS	to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344		
July	7.8	11	5										1		3				2	2	6	2		1	17
August	10.2	5	7	1										2	2			1	1	3	2	2			13
September	6.8	8	2											1		1				3	3		1	1	10
October	27.0			1												1									1
Year	—	24	14	2									1	3	5	2		1	3	8	11	4		2	41

Upper Air Frequency Tables XI and XII for Argentine Islands, 1954.

TABLE XI.

WINDS at 850 mb. : Number of observations at 1100 Zone Time of :-

MONTH	MEAN WIND SPEED	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS			
		1	10	20	30	40	60	80	100	120	140	160	>170		345	015	045	075	105	135	165	195	225	255		285	315	
	KNOTS	to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344				
July	11.0	8	7	1	1											3	1					9				1	1	17
August	13.0	5	4	4										3	1			1	1	4	3							13
September	10.8	4	5	1										1			1			1	6				1			10
October	21.0			1													1											1
Year	—	17	16	7	1										4	4	2	1	1	3	5	18		1	1	1		41

TABLE XII.

WINDS at 800 mb. : Number of observations at 1100 Zone Time of :-

MONTH	MEAN WIND SPEED	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS			
		1	10	20	30	40	60	80	100	120	140	160	>170		345	015	045	075	105	135	165	195	225	255		285	315	
	KNOTS	to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344				
July	13.9	7	4	5												2	1	1		2	1	6	3					16
August	13.4	4	5	2	1									1	2	1	1		2	2	2	1					1	13
September	13.9	3	3	2												1			1	1		4						8
October	—																											0
Year	—	14	12	9	1									1	2	4	2	1	3	3	3	12	4			2		37

Upper Air Frequency Tables XIII and XIV for Argentine Islands, 1954.

TABLE XIII.

MONTH	MEAN WIND SPEED	WINDS at 700 mb. : Number of observations at 1100 Zone Time of :—																								NUMBER OF ASCENTS			
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)														
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344		
July	19.3	3	7	1		3								1	1		1	1	1	1	5	3							14
August	16.3	4	4	2		1								2				1	1	2	3			1	1			11	
September	19.2	2	1	1		1										2	1		1		1							5	
October	—																											0	
Year	—	9	12	4		5								3	1	2	2	1	2	3	7	7			1	1	30		

TABLE XIV.

MONTH	MEAN WIND SPEED	WINDS at 600 mb. : Number of observations at 1100 Zone Time of :—																								NUMBER OF ASCENTS		
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)													
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344	
July	22.5	4	3	2	1	1	1							1	1		1	1	1		4	3						12
August	15.8	2	5	3										1	1			1		1	4			2			10	
September	21.4	2	1		1	1										1	2			2							5	
October	—																											0
Year	—	8	9	5	2	2	1							2	2		2	3	2		7	7			2		27	

Upper Air Frequency Tables XV and XVI for Argentine Islands, 1954.

TABLE XV.

WINDS at 500 mb. : Number of observations at 1100 Zone Time of :-

MONTH	MEAN WIND SPEED	SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS	
		1	10	20	30	40	60	80	100	120	140	160	>179	345		015	045	075	105	135	165	195	225	255	285		315
	KNOTS	to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344			
July	22.0	3	2	4	1		1								1		1		2			3	2	1		1	11
August	23.3	1	3	4	1	1									1					1	3	1	2		1	3	
September	9.3	1	2														1										0
October	—																										
Year	—	5	7	8	2	1	1								2		2		2	3		4	5	2	2	2	24

TABLE XVI.

WINDS at 400 mb. : Number of observations at 1100 Zone Time of :-

MONTH	MEAN WIND SPEED	SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS	
		1	10	20	30	40	60	80	100	120	140	160	>179	345		015	045	075	105	135	165	195	225	255	285		315
	KNOTS	to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344			
July	19.0	3	1	4		1										1	1			2		1	3		1	9	
August	31.0		3		4	2											1			1	3	1	2		1	9	
September	10.0		3																1							0	
October	—																										
Year	—	3	7	4	4	3										1	1		1	3		4	3	2	5	1	21

Upper Air Frequency Tables XVII and XVIII for Argentine Islands, 1954.

TABLE XVII.

MONTH	MEAN WIND SPEED	WINDS at 300 mb. : Number of observations at 1100 Zone Time of :—																									NUMBER OF ASCENTS
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)												
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344	
July	15.4		5	2														1		1		1		3	1	7	
August	27.2	1	1	1	2	1																3	2	1		6	
September	5.7	3																1			1		1			3	
October	—																									0	
Year	—	4	6	3	2	1												2		1	1	4	3	4	1	16	

TABLE XVIII.

MONTH	MEAN WIND SPEED	WINDS at 200 mb. : Number of observations at 1100 Zone Time of :—																									NUMBER OF ASCENTS
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)												
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344	
July	22.6		2	2	1													1				1	2	1		5	
August	28.4		1	2	1	1														1		2	1	1		5	
September	14.3	1	2																		2	1				3	
October	—																									0	
Year	—	1	5	4	2	1												1		1	2	4	3	2		13	

Upper Air Frequency Tables XIX and XX for Argentine Islands, 1954.

TABLE XIX.

MONTH	MEAN WIND SPEED	WINDS at 150 mb. : Number of observations at 1100 Zone Time of :-																								NUMBER OF ASCENTS				
		SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)														
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 50	60 to 70	80 to 90	100 to 110	120 to 130	140 to 150	160 to 170	>170	345 to 014	015 to 044		045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344					
July	32.3			2	1	1										1			1							1	2	1		4
August	28.3		3	1																1							2			3
September	22.0		1	2																										0
October	—																													
Year	—		4	5	1	1										1			1	1		4	3	1					11	

TABLE XX.

MONTH	MEAN WIND SPEED	WINDS at 100 mb. : Number of observations at 1100 Zone Time of :-																								NUMBER OF ASCENTS				
		SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)														
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 50	60 to 70	80 to 90	100 to 110	120 to 130	140 to 150	160 to 170	>170	345 to 014	015 to 044		045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344					
July	46.0					3										1										1	1			3
August	30.0			1	1																						3			3
September	28.3			2	1																									0
October	—																													
Year	—			3	2	3										1				1	4	2							8	

Upper Air Frequency Tables XXIII and XXIV for Argentine Islands, 1954.

TABLE XXIII.

AIR TEMPERATURE AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 50 ft. ranges :-																																																			
800 mb. Mean height 5,390 ft. I.C.A.N. height 6,390 ft.																																																			
MONTH	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650						
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
	434	439	444	449	454	459	464	469	474	479	484	489	494	499	504	509	514	519	524	529	534	539	544	549	554	559	564	569	574	579	584	589	594	599	604	609	614	619	624	629	634	639	644	649	654						
July													1			2		1	2	3	3	1	5	2		1	3			1	3	2	1																		
August												2		1	1	2	2	1	1	1	2			2	2	3	1	2	4	1				2	1																
September				1		2		1			1	1	1	3	1		2			2		1	1	1	2	1		2	2		1			1			1														
October										2				1	3	1	3			2	2	1		2	3	2	1	3	1		1	1	1																		
Total				1		2		1		2	1	3	2	5	5	5	7	2	7	6	7	2	8	9	5	5	9	5	4	3	2	4	2	4	1			1													

TABLE XXIV. [in 100 ft. ranges]

700 mb. Mean height 8,700 ft. I.C.A.N. height 9,880 ft.																																																								
MONTH	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49											
July																																																								
August																																																								
September															3	1																																								
October																																																								
Total															3	1																																								

Upper Air Frequency Tables XXVII and XXVIII for Argentine Islands, 1954.

TABLE XXVII.

MONTH	HEIGHT AT STANDARD LEVELS: Number of observations at 1100 Zone Time in 100 ft. ranges:—																																																				
	400 mb. Mean height 21,710 ft. I.C.A.N. height 23,560 ft.																																																				
	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240								
July															1		1		3	5	2		5	2	2	2					1																						
August															1	3	3		3	2	1	3	4	2	4			2			1																						
September									1	1	1	1	1	1	2	1	1	1	2	1	3		4	1		1								2																			
October																1	2	2	2	4	3	2	3		1	2	1	2			1	1																					
Total									1	1	1	1	1	1	2	3	5	7	4	9	14	6	9	13	4	8	4	6	7	4		1	2	1	2						1												

TABLE XXVIII.

MONTH	300 mb. Mean height 27,830 ft. I.C.A.N. height 30,050 ft.																																																																	
	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302																					
	July													1		1		1	2	5		1	3	4	2	2	2	1	1	1		1																																		
August												1		2	3	1		1	4		2	3	3	2	1	2	1							2							1																									
September							1	2		1	1	1	2	2		1	4	1		2	2	1	1			1		2	1																																					
October													2		2		2	2	2	2	2	2	5	1			3	2	1	2																																				
Total							1	2		1	1	3	2	4	6	2	7	6	11	4	7	12	9	4	4	7	6	2	3		1	2	1		2	1		1																												

Upper Air Frequency Table XXXI for Argentine Islands, 1954.

TABLE XXXI.

MONTH	HEIGHT AT STANDARD LEVELS: Number of observations at 1100 Zone Time in 100 ft. ranges:--																																																		
	100 mb. Mean height 49,590 ft. I.C.A.N. height 53,040 ft.																																																		
	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520						
July								1								1	2				2	1	2	1	2		1																								
August										1	1			1	1		1	2				2	1																												
September					1					1	1			3	1	2	3							1	1																										
October																	2		1		1	1					1			2	1		1	2												1					
Total					1			1	1	2	1		4	2	2	7	4	1		1	5	2	3	2	2		2		3	1		1	3											1							

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MEANS AND EXTREMES.								
Pressure and Temperature	I	1	47	60	73	85	97	109
Humidity; Cloud Amount; Sunshine; Rainfall	II	2	48	61	74	86	98	110
FREQUENCIES.								
Pressure, in 5mb. ranges	I	3	49	62	75	87	99	111
Temperature, in 2°F ranges	II	4	50	63	76	88	100	112
Relative Humidity in 5% ranges	III	5	51	64	77	89	101	113
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FALKLAND ISLANDS AND DEPENDENCIES
METEOROLOGICAL SERVICE

ANNUAL REPORT

for the year

1955

Presented to the Governor

F. I. D. M. S.
ANNUAL REPORT

FOR THE YEAR

1955

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Annual Report on the Falkland Islands and Dependencies Meteorological Service for 1955

1. Introduction

The Meteorological Service (which was established in 1950) is the official Service of the Falkland Islands and Dependencies. It is constituted as an integral part of the Falkland Islands Dependencies Survey (F.I.D.S.), because most of its stations are in the Antarctic Dependencies, but also includes the forecasting stations at Grytviken, South Georgia and at Stanley, Falkland Islands. The Headquarters of the Service is at Stanley.

The Chief Meteorological Officer is responsible to the Governor for the technical efficiency of the Service and seeks advice, as required, from the Director of the Meteorological Office, London. The Service is represented in the international field by the appropriate United Kingdom department, but the Chief Meteorological Officer deals with routine matters such as the distribution of synoptic and climatic data. General policy is directed by the Governor after consultation, as required, with the Secretary of State for the Colonies.

The general functions of the Service are :-

- (i) Provision of forecasting services for the whaling fleets operating in the waters of the Falkland Islands and Dependencies.
- (ii) Provision of local forecasts in the Falkland Islands for the general public, for shipping and the Government Air Service.
- (iii) The organisation of meteorological observations in the Falkland Islands and Dependencies, and the broadcasting of this information in the form of collective synoptic messages.
- (iv) The collection and publication of climatic data.
- (v) Limited investigations into the meteorology of the Falkland Islands and Dependencies area.

The cost of the Service is carried on the Falkland Islands Dependencies budget, with an appropriate contribution from the Colony. The estimates for the financial year 1955-56 are shown at Appendix I; these figures cover technical services only, and exclude such items as food, clothing and transport, which are largely provided by the F.I.D.S. organisation.

2. Forecasting Services

(a) Stanley. - Local forecasts were broadcast for the Falkland Islands at 1515 and 2115 G.M.T. daily for the benefit of farmers and the general public. Information was supplied, on request, to the Government Air Service, which operates within the Falkland Islands, and forecasts were issued to the following ships while operating south of the River Plate - R.R.S. John Biscoe, S.S. "Fitzroy", H.M. Ships Superb, Burghead Bay, Protector, Mounts Bay, Veryan Bay, R.F.A. Wave Prince, M.V. "Norsel", M.V. "Sistra", and M.V. "Theron". The 1954-55 pelagic whaling season officially ended on 19th March, but the advertised forecast bulletins for ships operating south of 50°S., in the sector 70° - 40°W., were maintained until 24th March to allow time for ships to leave the area. In the 1955-56 whaling season twice daily forecast bulletins for the area 70° - 40°W., south of 50°S., were commenced on the 1st December. Full details of these bulletins, including those issued from South Georgia, are contained in the "Weather Messages" pamphlet issued in 1953. Numerous forecasts were supplied to sledging bases during survey operations. During the winter months of April to September, inclusive, daily area forecasts were issued to South Georgia while the forecaster at that station was on leave.

(b) South Georgia. - The advertised forecast bulletins for pelagic whaling vessels in the sector 40° - 10°W., south of 50°S., were issued until 24th March. Two local forecasts per day, for the sea area in a radius of 250 miles from South Georgia, were maintained for a further period from 25th March to 7th April for the benefit of shore based whale catchers and other ships. A daily forecast issued during the winter by Stanley was distributed by the Senior Meteorological Assistant (see above).

In the 1955-56 season, the twice daily local area forecasts were started on 2nd October, but only one was broadcast regularly, the other being broadcast on request. The forecast bulletins for the area 40° - 10°W., south of 50°S., were started on 25th November at 1515 G.M.T. and 2115 G.M.T., and on 21st December the full programme of three forecasts per day was brought into operation.

During the year individual forecasts were supplied to the following ships :- H.M.S. Veryan Bay, Harpon, Teie, Husvik, Tottan, Theron, Olympic Challenger, Cordoba, Southern Garden, Southern Opal, Southern Atlantic, Southern Collins, Southern Harvester and Southern Venturer.

3. Reporting Stations

Full synoptic reporting stations were maintained at Stanley, South Georgia, Signy Island, Admiralty Bay, Deception Island, Argentine Islands and Hope Bay. Observations were taken at three hourly intervals and pilot balloon ascents were made whenever possible. A new station was opened at Horseshoe Island, Marguerite Bay, and commenced part reporting on 1st September. A full three hourly observation programme began on 1st November. All synoptic reports and the results of all pilot balloon ascents were transmitted to Stanley in three radio schedules daily, but reports for intermediate hours were not included in the collective messages broadcast from Stanley. The broadcasts (FICOLS) were made at 1300, 1900 and midnight G.M.T., the 0600 G.M.T. synoptic reports being included as retards in the 1300 G.M.T. transmission.

All stations were fully equipped and each carried at least one observer seconded from the British Meteorological Office. A limited programme of two observations per day was maintained by a member of the Ionospheric staff at Port Lockroy, but observations were not collected by radio for inclusion in the collective broadcasts. Observations were also taken on sledge journeys from Hope Bay and regular three hourly observations were made for some months at View Point, about 16 miles southwest of the main base, in Duse Bay. These observations were included in FICOL messages when available, using the "Ship" code (FM 21A) and the prefix "Sledge Ship". However, radio communications between the sledge parties, View Point, and the main base at Hope Bay proved unreliable, and only a small percentage of observations could be collected.

Subsidiary stations were maintained in the Falkland Islands at Fox Bay, Pebble Island, West Point Island and Darwin. Observations at these stations were made by part-time observers who maintained a high standard of work. The reports were invaluable for briefing the local air service and observations were taken with sufficient regularity to form the basis of monthly and annual climatological summaries.

A Radio-Sonde programme of one sounding daily was maintained throughout the year at Argentine Islands.

4. Ship Reports

(a) Vessels registered in the Falklands, visiting H.M. Ships and Auxiliaries.

Full synoptic reports were received from S.S. Fitzroy and R.R.S. John Biscoe when at sea; also from H.M. Ships and Fleet Auxiliaries when operating to and from the Falkland Islands. A number of reports were received via the Radio Station at Grytviken from Tankers and supply vessels en route to or from South Georgia. All available reports were included in FICOL collective messages broadcast from Stanley.

(b) Whaling Vessels 1954-55 season.

South Africa transmitted collective messages of whaling ship reports as in the previous season, but the broadcast was made at 1215 G.M.T. Reports from Tristan da Cunha were again included. A total of about 2400 reports were received from 1st January - 1st April, of which about 15% came into the Stanley and South Georgia forecast areas. Part of the South African broadcasts were occasionally missed due to overlapping with the routines for collection of observations from our Antarctic bases. Almost all reports were received within twenty-four hours of the time of origin, and about 20% were within twelve hours.

(c) Whaling Vessels 1955-56 season.

The procedure adopted by South Africa was unchanged, and reports were again transmitted at 1215 G.M.T. Reports from Tristan da Cunha were frequently missed due to the first part of the broadcast overlapping with the collection of observations from Antarctica. The service began on the 21st November and by the end of the year about 550 reports were received, of which 20% were in the Stanley and South Georgia forecast areas. About 50% of those in either forecast area were within twelve hours of the time of origin.

5. Communications

Eight synoptic messages were collected daily from the main Antarctic stations and South Georgia in the three routines at 1200, 1800 and 2300 G.M.T. The results of pilot

balloon ascents were included when available, and the Argentine Islands "Temp" message was collected with the 1800 G.M.T. synoptic observations. Monthly "CLIMAT" messages were also received.

On the 1st November an additional routine collective was introduced at 0600 G.M.T., and on the 1st December at 0900 G.M.T.

In addition to normal synoptic and administrative traffic, the W/T section also handled 35,000 groups in private letter telegrams addressed to bases. These telegrams were received as air letters from friends and relatives of bases' personnel, and up to 200 words per man were transmitted free each month. A similar service of 100 words per month in the opposite direction was maintained as in the previous year.

Communications with the Antarctic bases and South Georgia were very reliable except in the 0600 and 0900 G.M.T. collections at the end of the year, when the transition period around dawn caused difficulty in selecting the most suitable frequencies.

Observations from the Falklands out-stations and plain language reports from farms were collected throughout the year by the Government R/T operator.

Synoptic data for the four main hours and daily upper air data from Argentine Islands and the Air Ministry Radio-Sonde unit in Stanley, were transmitted in the FICOL collective broadcasts as follows :-

January 1st to April 30th, September 1st to December 31st.				
Contents (Times G.M.T.)		Time of transmission G.M.T.	Transmission Main (kc/s).	Frequencies Second (kc/s).
0600, 1200 Synops. } 1500 Mesran Temps. }	...	1300	16362	7425
1800 Synops., 1500 Temps.	...	1900	8195	11450
2300 Synops.	...	2400	8195	7425

May 1st to August 31st.				
Contents (Times G.M.T.)		Time of transmission G.M.T.	Transmission Main (kc/s).	Frequencies Second (kc/s).
0600, 1200 Synops. } 1500 Mesran Temps. }	...	1300	16362	7425
1800 Synops., 1500 Temps.	...	1900	8195	11450
2300 Synops.	...	2400	3600	5100

The forecast bulletins issued from Stanley for the whaling fleets were also sent on two frequencies simultaneously as follows :-

Time (G.M.T.).	Main Transmission.	Second Transmission.
0200	8195 kc/s	7425 kc/s
1500	8195 kc/s	7425 kc/s
2100	8195 kc/s	7425 kc/s

Local area forecasts were issued on 3700 kc/s throughout the year.

The main transmissions of FICOLS and the forecast bulletins for whalers were made on a Marconi Standard transmitter at Falklands Radio (VPC), with a power output of about 3.5 kw. The secondary transmissions were made from Meteor Falklands (ZHF 88) on an R.C.A. transmitter type ET 4336B, with a power output of about 0.35 kw. All broadcast transmissions were automatic. The frequencies used for the FICOL broadcasts were chosen with the first object of providing reliable reception in Rio de Janeiro and Simonstown, but frequencies chosen for the former should prove equally suitable for Buenos Aires, Montevideo and Santiago.

South Georgia reported consistently good reception of FICOLS and whaling bulletins from Stanley, and no difficulty was ever experienced on these frequencies when communicating with R.R.S. John Biscoe and H.M. Ships in the area during the summer. It is therefore assumed that reception is satisfactory for whaling ships in the area.

At South Georgia, the issue of forecasts was undertaken by the Government W/T station (ZBH) and the transmissions at 0215, 1515 and 2115 G.M.T. were all made on the two frequencies 500 and 8747 kc/s, with a power output of 0.8 kw.

The Argentine (LSV) and Chilean (CCS) national broadcasts, containing the synoptic data for 1200, 1800 and 2300 G.M.T., were received regularly both in the Falklands and South Georgia. The 12 mc/s transmission of both countries were almost always audible during the summer, apart from occasions of outstanding ionospheric disturbance.

The 12 mc/s transmissions of both countries were less audible after dark in the winter, but the LSV 6 mc/s transmission was of assistance in this respect. Staff shortages prevented reception of synoptics regularly from further afield. Transmissions from South Africa, Australia and New Zealand were listened for on occasions during the summer, and it seems likely that only those from South Africa could ever be heard regularly in the Falklands.

6 Climatological and other Reports

Detailed monthly returns were prepared at all main synoptic stations. These were based primarily on the eight 3-hourly synoptic observations, but depended for detail on a continuous watch, day and night, which was maintained at most stations. Detailed extracts were telegraphed to the Headquarters Office in Stanley each month. In addition to the monthly and annual extracts made in previous years, stations also prepared frequency analyses of various elements.

The printing of the Annual Meteorological Tables for 1953 was completed and the publication distributed. Upper Air data for Stanley were again included with the permission of the Director, Meteorological Office, London. Staff shortages prevented much work on 1954 Tables, and these will probably not be published before the end of 1956 or early 1957.

The Daily Weather Report was issued throughout the year, although with, at times, considerable delay due to the lack of trained staff and for the same reason the chart for 1200 G.M.T. was discontinued after 31st March.

"The Meteorology of the Falkland Islands and Dependencies 1944-1950" by J. Pepper, M.A., Ph.D., was received from the publishers in April.

A list of publications issued during the year is shown at Appendix III.

7. Organisation

No important changes were made in the general organisation (see Introduction), but several were considered and may have to be implemented if the present staff shortages continue. Changes in the collection of synoptic data from the Antarctic stations were introduced in November (see Communications). The responsibility for meteorological duties at larger bases, where there are other programmes to be carried out, is now placed more directly under the control of the Base Leader so that he is better able to co-ordinate all the work of his station.

Preparations were made during the year by the F.I.D.S. to implement a programme of scientific work allied to meteorology which was first approved in 1953. This programme will involve regular measurements of solar radiation, atmospheric ozone and the geomagnetic field. A physicist was recruited in November, 1953 and was attached for a period to the F.I.D.S. Scientific Bureau, London, which provided the liaison between the British Meteorological Office and other agencies who assisted in assembling the equipment. The programme was started at Argentine Islands towards the end of the year.

A forecaster from Stanley visited Antarctic bases and South Georgia in R.R.S. John Biscoe during the early part of the year, and an assistant from the Headquarters Office at Stanley visited Falkland Islands outstations to overhaul equipment.

8. Staff

There was again a shortage of experienced staff throughout the Service, but some improvement was made by recruiting untrained personnel well in advance and providing training in either London or Stanley.

The Senior Forecaster at Stanley completed his tour of duty in June and was replaced by a forecaster who had previously served at Stanley, but no replacement was available for the forecaster who completed his contract in July.

Senior duties at each base were carried out by experienced meteorological assistants, almost all of whom had previously served in Stanley or the Dependencies.

The radio section in Stanley was staffed by two locally-entered Wireless Operator/Meteorological Assistants, until May when one resigned, and by two apprentices who had been recruited locally the previous year. Temporary difficulties were overcome by using bases personnel in transit.

Staff serving during the year are listed at Appendix II.

9. Instrumental Equipment

All supplies were handled by the Crown Agents for Oversea Governments and Administrations with the help and advice of the British Meteorological Office, from whom much of the equipment was purchased. There were no important shortages of equipment, and some items which previously had to be purchased from the trade again became available from the British Meteorological Office.

Prototype screens were built to house a dewpoint recorder, using the same principle as the American "dewcel", and were issued to Argentine Islands, Deception Island and Hope Bay. Full reports were not available at the end of the year, but indications are that the screen is proving satisfactory. A preliminary survey of wind speed at Sapper Hill, Stanley, has been prepared with a view to ascertaining whether the site is suitable for large scale generation of electricity from wind power.

10. International Co-operation

Copies of the Daily Weather Report (see Climatological and other records) were sent to the Southern Hemisphere Project operated by the South African Weather Bureau throughout the year. Abbreviated versions of the daily upper air ascents from Stanley and Argentine Islands were transmitted on the following morning, in the MESRAN code, for the South African Weather Bureau. Broadcasts of whalers' reports, received from South Africa (see Ship Reports), were re-broadcast during the period 1st January to 1st April, for the benefit of the Argentine Meteorological Service.

APPENDIX I

Provision in Dependencies Estimates for Meteorological Services July 1955 - June 1956

HEADQUARTERS					
					£
Head 4A	Personal Emoluments	...	...	...	10,421
"	B Stores, Equipment etc.	...	...	...	2,650
"	C Special Expenditure (including publications)	...	...	...	1,065
Total Headquarters Expenditure					£14,136
SOUTH GEORGIA					
Head 1A	Personal Emoluments (Meteorological Staff)	...	...	...	1,880
"	B Meteorological Equipment	...	...	...	350
Total South Georgia Expenditure					£2,230
ANTARCTIC REPORTING STATIONS					
Head 5A	Personal Emoluments (Meteorological Staff)	...	...	...	16,285
"	B Meteorological Equipment etc.	...	...	...	8,260
"	C Special Expenditure (including experimental equipment, and equipment for new bases)	...	...	...	2,300
Total Antarctic Bases Expenditure					£26,845
Total Expenditure — Dependencies					£43,211

Provision in Colony's Estimates for Meteorological Services April 1955 — March 1956

Head VIII (a)	Personal Emoluments, part-time observers	...	...	...	100
"	" (b) 2 Contribution towards cost of Headquarters	...	...	...	1,100
"	" (b) 3-7 Stores, Equipment etc.	...	...	...	510
Total Expenditure — Colony					£1,710
GROSS TOTAL					£44,921

APPENDIX II

Staff List - 1955

STANLEY

Chief Meteorological Officer	-	G. A. Howkins
Deputy and Radio-Sonde	-	(D. McNaughton (till June) S. D. Glassey (from June))
Forecaster	-	D. M. Lang (till July)
Senior Assistant	-	J. Ford
Climatological Assistant	-	P. H. Hoare
* Assistants	-	F. A. Hall (till June) A. H. Martin (till December) J. McInerney (till December) E. M. P. Salmon (from April)
* W/T Operator/Met. Assistants	-	J. Newing C. H. McLeod (till May)
Apprentice W/T Operators	-	J. E. Cheek C. A. Lehen
Clerk	-	I. U. Sedgwick (Miss)
Temporary Clerks	-	E. Reive (Miss) (from October) E. Spencer (October)

* A number of assistants and wireless operators served in Stanley for short periods on their way to or from Antarctic Bases.

SOUTH GEORGIA

Forecaster-in-Charge	-	D. Borland
Senior Meteorological Assistant	-	D. McNab
Meteorological Assistants	-	J. Cochrane (till April) L. J. Maloney N. H. Smith

DECEPTION ISLAND

Senior Meteorological Assistant	-	W. McDowell
Meteorological Assistants	-	R. P. K. Clark B. E. G. Gilpin P. Phipps

HOPE BAY

Base Leader/Meteorological Assistant	-	W. E. Anderson
Senior Meteorological Assistant	-	A. F. Lewis
Meteorological Assistants	-	P. W. Mander A. Precious M. F. Tait R. F. Worswick

ARGENTINE ISLANDS

Scientific Officer/Base Leader	-	R. V. Hesketh
Senior Meteorological Assistant	-	J. H. Winstone
Meteorological Assistants	-	R. A. Berry L. Catherall F. D. Byrne A. B. N. Widgery

ADMIRALTY BAY

Base Leader/Meteorological Assistant	-	J. R. Noble
Senior Meteorological Assistant	-	G. C. Rumsey
Meteorological Assistant	-	N. A. Hedderley

SIGNY ISLAND

Senior Meteorological Assistant	-	L. J. Shirtcliffe
Meteorological Assistants	-	P. A. Cordall W. L. N. Tickell

HORSESHOE ISLAND

Senior Meteorological Assistant	-	B. Kemp
Meteorological Assistants	-	R. B. Taylor G. T. Vine-Lott

FALKLAND ISLANDS OUTSTATIONS — (voluntary observers)

Darwin	—	D. M. Honeyman
Fox Bay	—	E. H. Smith
Pebble Island	—	J. W. C. Peck
	—	A. Betts
West Point Island	—	H. M. Napier

APPENDIX III

Publications issued during 1955

1. Daily Weather Report.
2. "The Meteorology of the Falkland Islands and Dependencies 1944-1950"
by J. Pepper, M.A., Ph.D.
3. Annual Report on the Service for the year 1954.

FALKLAND ISLANDS AND DEPENDENCIES
METEOROLOGICAL SERVICE

Annual Meteorological Tables
1955

FALKLAND ISLANDS AND DEPENDENCIES
METEOROLOGICAL SERVICE

Annual Meteorological Tables
1955

*Prepared in conjunction with
The Meteorological Office, London.*

Published for the Falkland Islands Dependencies Survey,
Stanley, Falkland Islands, 1957.

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STATION	NUMBER	POSITION		BAROMETER M.S.L. (ft.)	PAGES
		Latitude	Longitude		
Stanley, Falkland Islands	88890	51° 42' S.	57° 52' W.	173	1 - 46
Grytviken, South Georgia	88903	54° 16' S.	36° 30' W.	8	47 - 59
Signy I., South Orkneys	88925	60° 43' S.	45° 36' W.	23	60 - 71
Hope Bay, Grahamland	88940	63° 24' S.	56° 59' W.	170	72 - 83
Admiralty Bay, South Shetlands	88934	62° 03' S.	58° 24' W.	58	84 - 95
Deception I., South Shetlands	88938	62° 59' S.	60° 34' W.	26	96 - 107
Argentine Is., Grahamland	88952	65° 15' S.	64° 16' W.	36	108 - 152
Horseshoe I., Grahamland	88959	67° 48' S.	67° 14' W.	29	153 - 162

Introduction

This series of tables, which commenced with the data for 1951, is published annually to meet the demands from contemporary expeditions and various research organisations. The tables published for 1954 have been retained in the same form in this issue, apart from a modification to cloud heights (see note 7). Traces of cloud existing below greater amounts are counted as $\frac{1}{8}$ th.

For the first time a full series of Upper Air observations from Argentine Islands is available.

A new station (Horseshoe Island), opened during the year, and the information available has been included in this series.

Publication of a current Meteorological Gazetteer has again been delayed, but most of the details included in "The Meteorology of the Falkland Islands and Dependencies 1944-1950" by Dr. J. Pepper, M.A., Ph.D., are still applicable.

Notes on the Tables

Surface Observations

1. For climatological purposes, the day is taken to be from 0001 to 2359 Zone Time. All Stations take observations every three hours at fixed G.M.T. synoptic hours 0001, 0300, 0600, 0900, 1200, 1500, 1800, 2100 but, for climatological purposes, these are recorded in Zone Time, which is G.M.T. -4 for all stations except Signy Island (G.M.T. -3) and Grytviiken (G.M.T. -2). Thus, at most stations, the first observation of the day is 0200 hours (0600 G.M.T.) but at Signy Island it is 0001 hours (0300 G.M.T.) and at Grytviiken 0100 hours (0300 G.M.T.).

Maximum, and minimum temperatures and rainfall are read twice daily, at the synoptic hours closest to 0900 and 2100 Zone Time (*i.e.* 1200 and 0001 G.M.T. for all stations), and the day, for these purposes, ends at midnight G.M.T.

Thus, the terms "day" and "daily" are used in the tables to imply 24 hours in one of the two senses defined above.

MEANS AND EXTREMES TABLES I AND II.

2. Daily means of pressure, temperature, relative humidity, cloud amount and wind speed are based on observations at all hours.

3. Extreme pressures are taken from observations at all hours.

FREQUENCY TABLE II.

4. Each column covers two Fahrenheit degrees *e.g.* the column headed 29 (positive) includes all observations from 28.0 to 29.9°F inclusive. Cases of 0.0 °F or 0°F are entered alternately as 0+ and 0-. This also applies to the relevant upper air frequency tables.

FREQUENCY TABLE III.

5. In these relative humidity is calculated with respect to water at all temperatures.

FREQUENCY TABLE IV.

6. Visibility. The lower limit of each range is included but not the upper *e.g.* 2km. is included in the range 2-4km.

7. Cloud Heights. This is concerned primarily with lowest significant cloud (international definition) but clouds above 6000 metres are also included.

The lower limit of each height range is included, but not the upper, and the summary is in two sections - *All Amounts* and *7-8 oktas.* Entries in ordinary print refer to the height of the lowest layer of significant cloud. Additional entries are made (in parenthesis) whenever *low* cloud (below 2400 metres) occurs at more than one level. These additional entries refer the total amount of low cloud to the height of the main layer. *Middle* cloud is occasionally observed at Antarctic stations, below 2400 metres; it is then counted as *low* cloud for the purposes of this summary.

FREQUENCY TABLE V.

8. Days of abnormal maximum and minimum temperatures. These entries are intended to pick out days of abnormally high or low temperature. A day of high minimum is a day when the temperature is continuously above the specified figure, and a day of low maximum when it is continuously below the specified figure, throughout the twenty-four hours. The limits for the various stations are as follows:—

	STANLEY	GRYTVIKEN	ALL OTHER STATIONS
High minima	> 50°F.	> 41°F.	> 32°F.
Low maxima	< 32°F.	< 23°F.	< 5°F.
Low minima	< 23°F.	< 14°F.	< -4°F.
High maxima	> 68°F.	> 59°F.	> 41°F.

9. A day of wind speed => *Beaufort force 6 (or 8)* is defined as a day on which the mean wind (not the extreme wind in gusts) reached or exceeded this figure at any of the eight hours of observation. All days of Force 8 are also contained in Force 6.

10. A day of rain, snow, sleet, drizzle, showers, thunder, fog or hail is a day on which an occurrence was observed at the station, at any time of the day. Ice needles are counted as snow.

11. A day of cloudy is a day on which the total amount of cloud for the 1200, 1800 and midnight G.M.T. observations added together equals or exceeds 20 oktas.

A day of clear is a day on which the total cloud amount for the 1200, 1800 and midnight G.M.T. observations added together is equal to or less than 4 oktas.

12. A *day of snow lying* is a day on which, at 1200 G.M.T., half or more of the ground in the vicinity of the station is covered with snow. This is recorded at Stanley and Grytviken only.

13. A *day of ground frost* is a day when the night time grass minimum temperature (read at 1200 G.M.T.) is 30.4°F. or less. This is recorded at Stanley only.

14. A *day of drift* is a day when drifting snow occurs at any time of that day, regardless of the intensity or height of the drift.

15. A day with showers is entered under the shower column and also under the appropriate hydrometeor (*i.e.* rain, snow, sleet or hail).

16. Fog is recorded whenever the visibility is less than 1100 yards from any cause whatsoever. Days of fog are subdivided into either 'true' fog, which is fog caused primarily by water droplets or ice particles in suspension; or 'pseudo' fog, which includes all other occasions of visibility less than 1100 yards. 'True' fog is selected in preference to 'pseudo' fog. Not more than one entry is made for any one day.

17. Hail is subdivided into :—

Soft Hail and Granular Snow *i.e.* crisp easily compressible white opaque grains.

Small Hail and Ice Pellets *i.e.* hard transparent ice grains.

'Real' Hail *i.e.* grains with a recognisable multi-layered structure having at least one layer resembling granular snow and one layer resembling ice pellets.

Where more than one type occurs on the same day, selection is made in the following order of preference : 'Real' hail, 'Small' hail, 'Soft' hail. Not more than one entry is made for any one day.

18. Days of freezing rain and drizzle and days of ice crystal fog are included in the main entries under these columns.

Upper Air Observations

STANLEY.

19. The observations are made by an Upper Air Unit of the Meteorological Office, Air Ministry, London. The British radio-sonde system is used, in which pressure, temperature and relative humidity are measured by variable audio-frequency modulation of a carrier signal of constant frequency. The sonde in use is known as the Kew Mk. II. B.

20. The wind measurements are made by means of an Army (G.L. III) radar set, modified for use by the Meteorological Office. This set tracks a reflector attached to the radio-sonde balloon and gives its position in terms of range, azimuth and elevation at fixed intervals of time (normally 1 minute) the time scale being common to radar and radio-sonde. The maximum range of the equipment in its present modified form is 96,000 yards.

21. The observations are made daily for 1100 Zone Time (1500 G.M.T.) the time of release normally being 1000 Zone Time (1400 G.M.T.). Almost all ascents are released within a few minutes of this time, but operational difficulties (such as strong winds) occasionally delay the release for periods up to about an hour. In very unusual circumstances the delay may be even longer, but in no case does it exceed 3 hours.

22. In the original extractions heights above Mean Sea Level were entered in tens of feet at levels up to 800 mb. and in hundreds of feet at 700 mb. and above. The means printed in the tables are based on these figures. The frequency tables for levels up to 800 mb. show heights in tens of feet grouped in 50 foot ranges while those for 700 mb. and above are in hundreds of feet.

ARGENTINE ISLANDS.

23. Here the sonde in use is also the Kew Mk. II. B. but there is no radar set. Balloons are followed by theodolite.

MEANS AND EXTREMES TABLE I and II.

24. The Tables show the number of observations on which means etc. are based. All ascents used in the tables reach 400 mb. and humidity data (which are shown with respect to water at all temperatures) are available on all occasions up to 500 mb. unless otherwise noted. Owing to the inaccuracy of the humidity element at low temperatures, values of humidity are not reported if the temperature falls below -40°F. For this reason no means of dew point are given in the summaries for levels of 300 mb. and above. They are quoted for 400 mb. where a comparison between the number of observations of air temperature and dew point gives an indication of the degree of validity of the dew point means at that level.

25. The tables show the mean pressure and temperature at the tropopause for each month in the year. The definitions for determining the tropopause are those in use in the Meteorological Office, Air Ministry, London. *i.e.*

- | | |
|----------|--|
| Type I | An abrupt change of lapse rate to inversion; the tropopause is taken as the point of change of lapse rate. |
| Type II | An abrupt change to a lapse rate of less than 1°F per 1,000 ft. (without inversion); the tropopause is taken as the point of change of lapse rate. |
| Type III | If there is no abrupt change the tropopause is taken as the point where the lapse rate for the 3,000 ft. above is 3°F per 3,000 ft. or less, provided that this value is not exceeded in any 3,000 ft. above this level. |

In the tables no distinction is made between different types of tropopause. Where two tropopauses were reported, the lower has been used.

Means and Extremes Table I for Stanley, Falkland Islands, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)															
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES				
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE	
																					DATE
January	1002.8	1021.9	20th	979.0	3rd	44.2	44.8	48.8	50.9	51.9	49.9	46.6	44.8	47.7	54.3	41.7	70	5th, 26th	33	10th	
February	999.6	1015.1	9th	979.9	5th	44.9	44.5	50.0	53.7	53.8	52.8	48.1	46.4	49.3	57.1	41.7	66	19th	35	28th	
March	1000.6	1016.4	29th	983.4	17th	43.6	43.2	46.7	49.8	49.9	48.0	44.8	43.8	46.2	52.8	39.7	62	10th	34	2, 13, 14, 17	
April	998.2	1018.9	5th	968.2	19th	42.0	41.5	42.2	45.8	46.2	43.3	41.7	41.5	43.0	47.8	37.4	55	24th	33	12th	
May	1006.8	1025.8	15th	969.9	2nd	38.1	38.4	38.5	41.7	42.1	39.8	38.4	38.3	39.4	43.6	34.8	51	6th	28	31st	
June	1000.6	1024.5	14th	<u>958.9</u>	<u>28th</u>	34.8	35.2	35.0	37.0	37.5	36.1	35.7	35.4	35.8	39.1	31.6	45	24th	24	9th	
July	1006.8	1032.5	28th	973.0	14th	34.8	34.9	34.9	37.0	37.1	35.3	34.9	34.9	35.5	38.6	32.1	46	14th	25	24th	
August	1004.4	1029.6	18th	973.8	12th	35.5	35.1	35.5	38.4	38.9	36.3	35.4	35.3	36.3	40.8	32.3	47	6th, 28th	26	18th	
September	1014.7	<u>1033.7</u>	<u>4th</u>	997.1	8th	35.8	35.6	38.2	41.5	41.9	39.4	37.0	36.5	38.2	43.7	33.5	52	24th, 26th	<u>22</u>	<u>1st</u>	
October	1009.4	1025.8	22nd	986.9	30th	39.5	39.1	44.9	49.7	49.1	45.1	41.1	39.8	43.5	52.1	37.0	62	6th	29	4th	
November	1000.2	1022.1	11th	983.9	22nd	41.5	42.0	47.2	51.4	51.3	48.1	44.0	41.9	45.9	54.8	38.7	<u>70</u>	<u>20th</u>	33	7th, 22nd	
December	993.9	1013.8	14th	974.2	23rd, 24th	40.8	41.3	44.1	45.8	46.6	45.1	42.2	41.1	43.4	49.5	38.2	60	16th	32	1st	
Total	12038.0	12280.1	—	11728.2	—	475.5	475.6	506.0	542.7	546.3	519.2	489.9	479.7	504.2	574.2	438.7	686	—	354	—	
Mean	1003.2	1023.3	—	977.3	—	39.6	39.6	42.2	45.2	45.5	43.3	40.8	40.0	42.0	47.9	36.6	57.2	—	29.5	—	

Means and Extremes Table II for Stanley, Falkland Islands, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000		2300	REC.					EST.*
January	91	91	83	77	75	79	86	89	84	6.1	6.7	7.0	6.8	6.5	6.5	5.6	5.5	6.3	6.3	—	16.1	81.2	12.0	24th
February	92	91	82	71	71	72	84	88	81	5.1	5.6	6.1	6.4	6.3	6.1	5.5	4.6	5.7	6.1	—	14.5	27.1	6.6	25th
March	91	92	82	71	72	77	85	88	82	5.0	6.1	5.8	6.5	6.5	6.2	5.1	5.0	5.8	4.8	—	12.5	62.4	20.3	31st
April	90	93	91	82	80	86	90	91	88	5.8	6.1	5.8	6.3	6.4	5.8	4.7	5.3	5.8	4.1	—	10.5	53.5	19.6	13th
May	94	94	94	86	87	91	94	95	92	5.7	5.4	6.6	6.3	6.3	6.1	5.3	5.5	5.9	2.7	—	8.8	44.3	8.0	10th
June	89	89	88	85	81	85	87	90	87	5.9	5.9	6.5	6.7	6.6	6.3	5.3	5.7	6.1	1.7	—	7.9	70.9	10.2	26th
July	89	89	88	83	86	89	92	91	88	5.1	4.6	5.5	5.9	6.1	5.2	5.3	4.9	5.3	2.5	—	8.3	30.7	7.8	23rd
August	89	93	92	85	81	88	90	88	88	5.7	5.5	6.0	6.2	6.4	6.0	5.6	4.8	5.8	2.6	—	9.7	34.1	15.0	12th
September	91	91	86	77	77	83	88	90	85	5.6	5.9	5.7	6.3	6.1	5.7	5.9	5.8	5.9	4.0	—	11.7	24.2	5.4	1st
October	91	91	79	64	67	78	91	93	82	4.8	5.5	4.4	4.5	5.0	5.5	6.0	5.4	5.1	8.0	—	13.7	9.5	3.1	21st
November	87	85	75	62	64	76	86	89	78	5.1	5.7	5.7	5.8	5.3	5.7	5.8	5.3	5.5	7.5	—	15.6	38.7	7.7	22nd
December	91	89	83	81	78	80	88	88	85	6.8	6.8	7.1	7.1	6.5	6.7	6.5	6.0	6.7	4.6	—	16.6	108.8	25.4	20th
Total	1085	1088	1023	924	919	984	1061	1080	1020	66.7	69.8	72.2	74.8	74.0	71.8	66.6	63.8	69.9	54.9	—	145.9	585.4	150.1	—
Mean	90	91	85	77	77	82	88	90	85	5.6	5.8	6.0	6.2	6.2	6.0	5.5	5.3	5.8	4.6	—	12.2	48.8	12.5	—

* No exposure effect.

Frequency Table I for Stanley, Falkland Islands, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to 939.9	to 944.9	to 949.9	to 954.9	to 959.9	to 964.9	to 969.9	to 974.9	to 979.9	to 984.9	to 989.9	to 994.9	to 999.9	to 1004.9	to 1009.9	to 1014.9	to 1019.9	to 1024.9	to 1029.9	to 1034.9	to 1039.9
January									1	2	9	36	43	53	58	22	19	5			
February									1	7	13	33	53	54	44	18	1				
March										3	21	37	46	62	49	27	3				
April							2	7	16	9	9	36	45	45	39	24	8				
May							1	6	6	2	9	20	21	23	50	46	16	37	11		
June					1	2	9	6	8	10	15	32	27	25	30	22	33	20			
July								5	1	18	10	14	36	35	23	31	19	21	26	9	
August								1	3	5	8	16	54	41	39	51	16	5	9		
September													14	27	33	60	26	39	24	17	
October											5	2	6	47	78	61	31	14	4		
November										1	26	54	57	34	23	22	19	4			
December								2	10	26	46	59	46	23	26	10					
Year					1	2	12	27	46	83	171	339	448	469	492	394	191	145	74	26	

Frequency Table III for Stanley, Falkland Islands, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :- 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	>
	15	to 19	to 24	to 29	to 34	to 39	to 44	to 49	to 54	to 59	to 64	to 69	to 74	to 79	to 84	to 89	to 94	to 99	100
January						1	2	2	2	5	8	15	21	28	26	38	36	46	18
February						3	2	5	3	5	12	10	21	22	30	30	37	34	10
March							1	3	7	7	9	17	15	32	35	34	41	35	12
April										2	2	10	16	20	24	45	48	45	28
May												4	7	14	19	32	58	59	55
June										5	3	13	14	19	31	40	44	53	18
July											1	8	17	20	24	45	70	46	17
August								2	1	4	3	6	14	14	17	63	42	50	32
September								1	3	5	12	6	16	26	29	36	37	46	23
October						1	3	5	12	7	15	14	19	15	26	27	37	45	22
November					2	4	5	8	12	9	10	23	20	20	29	25	23	30	20
December								2	1	9	9	14	19	25	28	32	38	42	29
Totals					2	9	13	28	41	58	84	140	199	255	318	447	511	531	284
Mean					—	1	1	2	3	5	7	12	17	21	27	37	43	44	24

Frequency Table IV for Stanley, Falkland Islands, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶									LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS ⁷ (metres)													No Cloud						
	<40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	= >40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS							7-8 OKTAS											
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	> 6000	0 to 30	30 to 60	60 to 120		120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	> 6000
January		2	1		4	5	22	63	52	99	25	44	40	57	82			3	20	(6) 37	(18) 87	(26) 62	(17) 14	18	6		3	12	(6) 16	(12) 25	(19) 10	(13) 5	2		1
February			1		3	2	4	61	59	94	31	73	49	47	23	1	1	4	1	(2) 34	(4) 76	(7) 65	(7) 12	22	4	1	4	1	(2) 9	(4) 20	(9) 5	(6) 2	5	1	5
March						1	11	52	75	109	39	53	57	50	49				1	(3) 42	(12) 67	(11) 89	(11) 10	32	3		1	(3) 20	(10) 25	(7) 7	(7) 2	6		4	
April				2		3	18	32	131	54	22	61	54	52	49	2	2	1	5	(3) 38	(12) 76	(11) 86	(12) 10	18		2	1	4	(3) 17	(8) 26	(12) 16	(9) 2	6		4
May	1		3	2	2	2	22	67	78	71	16	54	48	60	66	4	4	8	12	(28) 50	(33) 65	(8) 78	(12) 15	6	5	4	4	7	(24) 25	(27) 24	(5) 16	3		2	5
June		1		1		6	48	77	59	48	13	40	32	75	80			1	10	(3) 62	(18) 66	(28) 80	(11) 8	7				7	(2) 17	(13) 31	(14) 26	(6) 1	1		6
July		1			2	2	27	75	87	54	15	63	52	80	37	1	1	3	8	(3) 35	(18) 82	(28) 99	(11) 5	7		1	2	(2) 8	(13) 14	(14) 26	(6) 1	1		8	
August		3	1	4	7	4	18	62	93	56	24	63	57	59	40	5	6	5	20	(1) 42	(17) 69	(20) 67	(17) 15	15	3	5	1	6	(4) 7	(7) 15	(10) 13	(8) 3	2		6
September		2			5	6	8	40	89	90	16	43	64	48	67	2	3	10	13	(8) 39	(18) 45	(23) 104	(12) 10	10	2	3	8	8	(8) 13	(11) 16	(7) 22	(5) 1	4		4
October		1				1	9	35	80	122	65	80	43	29	30	1	1	2	13	(6) 53	(6) 36	(10) 56	(9) 22	45	17	1		5	(6) 12	(5) 10	(4) 3	(3) 6	10		3
November			2	1	3	1	6	23	83	121	36	67	65	40	31	1	2	4	7	(1) 14	(7) 56	(24) 101	(12) 20	27	5	2	4	3	(1) 3	(2) 8	(8) 12	(9) 2	1		4
December						12	22	43	92	79	10	45	46	73	74			1	9	(3) 51	(8) 69	(24) 100	(29) 8	10			1	9	(3) 28	(3) 18	(17) 26	(19) 1	4		
Total	1	10	8	10	26	45	215	630	978	997	312	686	607	670	628	17	20	(1) 42	119	(47) 497	(153) 794	(240) 987	(148) 149	217	45	19	26	65	(40) 185	(102) 218	(136) 187	(92) 28	42	3	50
Mean	—	1	1	1	2	4	18	53	81	83	26	57	51	56	52	1	2	(-) 3	10	(4) 41	(13) 66	(20) 82	(12) 12	18	4	2	2	5	(3) 15	(9) 18	(11) 16	(8) 2	3	—	4

Frequency Table V for Stanley, Falkland Islands, 1955.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			⁶	⁸	¹⁰ ¹⁸	¹⁰	¹⁰	¹⁰ & ¹⁸	¹⁰	¹¹	¹¹	¹²	¹³	¹⁴	¹⁰ & ¹⁵	¹⁰ & ¹⁶ Fog		¹⁰ & ¹⁷ HAIL		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	> 0.10 mm	> 1.0 mm	> 10.0 mm	WIND FORCE = Δ	WIND FORCE = Δ	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft
	>50°F	<32°F	<23°F	>68°F	||	||	||																		
January			2	21	15	2	17	5	28			10	1	20						23	2		5		1
February				15	9		25	5	18			5		14						14	1		2		
March				24	11	1	25	7	26			3		13	1		2			16			2	2	
April				21	14	1	22	5	21		3	6		8			7			15	2		2		
May				22	10		20	6	23	4	5	11		13		1	11			16	4		8		
June				21	14	1	21	4	25	12	10	8		16		5	21			17	3	1	5	2	1
July				21	9		24	7	23	14	10	6		11	2	9	22			18	1		1	1	2
August				19	8	1	17	5	19	11	8	10		13		4	17			11	5	2	4	1	1
September			1	18	8		17	2	16	3	3	12		13		2	15			11	4		2	1	
October				13	3		23	5	12	2	2	5		8			6			4	1		1	1	1
November				15	12		22	7	23		1	3	1	11			1			14	2		4		1
December				27	17	2	21	5	27	1	2	12		20			3			12			4		
Total			1	3	237	130	8	254	63	261	47	44	91	2	160	3	21	105	0	171	25	3	34	14	7
Mean			—	—	20	11	1	21	5	22	4	4	8	—	13	—	2	9	—	14	2	—	3	1	1

Frequency Table VI for Stanley, Falkland Islands, 1955.

WIND : Number of observations, at all hours, of :— ¹

MONTH	2 MEAN WIND SPEED	FORCES (Beaufort)					DIRECTIONS (degrees)												
		8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 10	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	
	KNOTS																		
January	16.6	7	52	126	59	4	10	22	15	10	4	3	13	64	33	12	32	26	
February	18.5	8	67	117	31	1	12	7	4		1	6	20	21	27	60	65		
March	19.3	10	82	130	23	3	14	6	1	1	3	16	31	34	34	59	46		
April	17.3	3	71	120	41	5	18	8	4	1	2	16	13	14	24	29	38	68	
May	17.8	12	59	131	45	1	16	22	6	1	3	5	26	44	30	46	48		
June	18.2	13	61	121	40	5	23	6	3	2	1	17	27	20	52	16	38	30	
July	19.3	18	88	102	33	7	8	2	1		6	22	13	39	31	70	49		
August	15.9	8	42	131	61	6	35	16	4	2	10	6	8	12	23	24	57	45	
September	16.5	3	49	142	45	1	22	8		2	1	4	8	21	27	25	57	64	
October	18.3	11	70	120	45	2	23	6	10	3		2	6	33	18	12	50	83	
November	18.4	12	69	116	43		13	4	4	1	3	5	8	30	38	42	47	45	
December	17.9	17	58	124	47	2	14	21	15	12	8	13	30	44	17	21	21	30	
Total	214.0	122	768	1480	513	37	208	128	67	35	29	79	162	328	370	303	575	599	
Mean	17.8	10	64	123	43	3	17	11	6	3	2	7	13	27	31	25	48	50	

Frequency Tables VII to X for Stanley, Falkland Islands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	1		1								3
2				1	1	1			1	3	4	2	13
3	2	5	5	7	1	2	1	4	5	2	6	3	43
4	1	3	8	2	1		7	15	9	7	9	4	66
5	3	9	1				5	12	10		9	11	60
6	1	4						17	5		4	5	36
7	1							12	2			1	16
≥ 8	2							4	1				7
Totals	10	22	15	10	4	3	13	64	33	12	32	26	244

CALMS - 4

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1										1
2										3	1	1	5
3	1					1	1	3	2	2	8	7	25
4	3	1	2				1	3	6	9	26	10	61
5	2	2	1					4	5	8	16	18	56
6	3	2					4	8	3	3	8	18	49
7	3	2						2	3	2	1	5	18
≥ 8									2			6	8
Totals	12	7	4			1	6	20	21	27	60	65	223

CALMS - 1

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1													
2		1					1				1		3
3	1					2	2	1		2	5	7	20
4	4				1	2	6	8	11	29	12	12	73
5	3			1		3	10	8	6	14	12	12	57
6	3	2	1			2	6	9	7	9	13	13	52
7	1	3				5	5	6	7	1	2		30
≥ 8	2					1	3	3	1				10
Totals	14	6	1	1		3	16	31	34	34	59	46	245

CALMS - 3

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					1						1	3	5
2				1	1	1		3	2	1	1		10
3	1		2			4	1	3	3	1	8	6	26
4	5	3				5	4	2	7	10	13	19	68
5	6	1				6	2	5	4	9	8	11	52
6	1	1					6	3	7	6	6	21	51
7	5	3	1					1	1	2	1	7	20
≥ 8			1					1				1	3
Totals	18	8	4	1	2	16	13	14	24	29	38	68	235

CALMS - 5

Frequency Tables XI to XIV for Stanley, Falkland Islands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1								2		1	4
2								1			3	1	5
3	2	6	2	1				4	3	12	6	6	36
4	1	8	3		1	2	5	16	13	20	8	8	77
5	5	6	1		2		8	10	6	9	7	7	54
6	4	1				1	4	9	5	2	15	6	41
7	2					1	5	3	1			6	18
≥ 8	2					1	4	1				4	12
Totals	16	22	6	1		3	5	26	44	30	46	48	247

CALMS - 1

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1												2	2
2								1	1		2	1	5
3	2	1					1	4	2	16	6	6	33
4	3	2	1	1		2	3	22	9	9	5	7	57
5	6		2		1	5	11	6	13	5	8	7	64
6	7	1		1		6	8	7	9		2	4	45
7	5	2				2	2	2	1		1	1	16
≥ 8						2	2	3	2			4	13
Totals	23	6	3	2	1	17	27	20	52	16	38	30	235

CALMS - 5

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1									1	2
2								4		1			5
3	4					3		1	4	2	8	4	26
4	2				1	3	1	11	10	17	17	17	62
5	1					2	6	8	8	8	8	7	40
6		1				8	3	7	6	22	11	11	58
7		1				4	1	3	3	11	7	7	30
≥ 8	1				2	5	1	2	2	3	2	2	18
Totals	8	2	1			6	22	13	39	31	70	49	241

CALMS - 7

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1							2	2	1		1	2	8
2							1	1	3	6	21	8	53
3	3	3	2	2	2	3	3	3	8	9	20	15	77
4	13	2	1		3	3		3	5	3	8	11	54
5	8	6	1		5	2		2	1	4	7	7	34
6	8	2					3	2					
7	2	2							2	1		1	8
≥ 8	1	1						1	3	1		1	8
Totals	35	16	4	2	10	6	8	12	23	24	57	45	242

CALMS - 6

Frequency Tables XV to XVIII for Stanley, Falkland Islands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 180	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1											1	1	2
2	1			1		1		1			4	1	9
3	1	1		1		1		3	7	5	10	5	34
4	6	2			1	2	4	8	9	10	23	17	82
5	5	5					2	5	5	8	12	18	60
6	5						2	3	5	2	3	16	36
7	4							1			3	5	13
≥ 8									1		1	1	3
Totals	22	8		2	1	4	8	21	27	25	57	64	239

CALMS - 1

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1												1	2
2		1	1				2	2		2			8
3	2		6	2			3	2	2	5	9	4	35
4	6	5	3	1			1	6	4	5	18	20	69
5	4							8	6	1	14	18	51
6	5							7	1	1	9	24	47
7	3							6	2			12	23
≥ 8	3							4				4	11
Totals	23	6	10	3		2	6	33	18	12	50	83	246

CALMS - 2

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				1									1
2	1			1		2				1	5		10
3	2		3		4	1	4	5	4	6	3		32
4	5	2	1	1	1	1	8	9	14	20	10		72
5	2	2		1				4	5	6	11	13	44
6	2							7	8	12	6	8	43
7	1						1	3	8	6	3	4	26
≥ 8							3	4	3			2	12
Totals	13	4	4	1	3	5	8	30	38	42	47	45	240

CALMS - 0

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				1								1	2
2	1	1			1		1	1		1	1	2	9
3		6	6		2	3	1	1	3	2	7	5	36
4	8	7	6	3	1	1	13	14	3	5	8	10	79
5	3	3	2	5		2	1	6	6	4	3	10	45
6	2	4	1	2	2	4	1	7	3	5	2	1	34
7				1		1	9	6	2	4		1	24
≥ 8					2	2	4	9					17
Totals	14	21	15	12	8	13	30	44	17	21	21	30	246

CALMS - 2

Frequency Table XIX for Stanley, Falkland Islands, 1955.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1		2	3	1	3				1	2	2	10	24
2	3	3	1	3	4	5	8	8	12	8	20	15	90
3	21	22	26	13	5	21	12	21	42	36	116	64	399
4	57	35	25	7	7	17	41	71	112	112	212	147	843
5	48	34	8	7	6	17	28	77	85	64	120	143	637
6	41	18	2	3	2	10	35	74	67	51	80	143	526
7	27	13	1	1		3	22	43	33	26	21	52	242
=> 8	11	1	1		2	6	16	34	18	4	4	25	122
Totals	208	128	67	35	29	70	162	328	370	303	575	599	2883

CALMS 37.

Frequency Table XX for Stanley, Falkland Islands, 1955.

MONTH	RAINFALL (mms.) : Number of days of 1																																										
	Nil	Trace	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Nil - 0.9	1.0 - 1.9	2.0 - 2.9	3.0 - 3.9	4.0 - 4.9	5.0 - 5.9	6.0 - 6.9	7.0 - 7.9	8.0 - 8.9	9.0 - 9.9	Nil - 9.9	10.0 - 14.9	15.0 - 19.9	20.0 - 24.9	25.0 - 29.9	30.0 - 34.9	35.0 - 39.9	40.0 - 44.9	45.0 - 49.9	50.0 - 54.9	55.0 - 59.9	60.0 - 64.9	65.0 - 69.9	70.0 - 74.9	75.0 - 79.9	< 80.0						
January	3	7	1	3				1		1		16	2	1	3	3	2	1				1	29	2																			
February	5	8	2	1		1		1	1			19	5	1		2						1	28																				
March	4	3	2	4	2	1		2	1		1	20	6		2			2					30				1																
April		9	2	2	2	1						16	5	6		1	1						29		1																		
May	4	5	2	1			2		4	3		21	2	4	1		1			1	1	31																					
June	4	5	2		1	1	1		2			16	2	2	1	1	4	1	2				29	1																			
July	5	5	2	1	3	1		2	1		2	22	4	1	2	1				1		31																					
August	2	10	2	4	1		1	1	1		1	23	4	2		1						30																					
September	5	7	6	2		1				1		22	3	2	1	1	1					30			1																		
October	4	14	5	2	1	1					1	28	1	1	1							31																					
November	5	10	1					1			1	18	5	2	1	1	2			1		30																					
December	2	2	3		3		1	1		2		14	5	2	2	1	1	1	2	1		29			1	1																	
Year	43	85	30	20	13	7	5	9	11	6	6	235	44	24	14	12	12	6	7	2	1	357	3	2	1	2																	

Upper Air Means Table I for Stanley, Falkland Islands, 1955.

MONTH	MEAN AIR AND DEW POINT TEMPERATURES AT STANDARD LEVELS IN °F, for 1100 Zone Time :-																						
	SURFACE		900 mb.		850 mb.		800 mb.		700 mb.		600 mb.		500 mb.		400 mb.		300 mb.	200 mb.	150 mb.	100 mb.	MEAN TROPOPAUSE		
	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Air	Air	Air	Press. mb.	Height	Temp.
January	50.4	44.0	39.9	30.2	36.5	25.1	32.2	18.9	21.6	7.9	8.8	-6.1	-5.7	-23.3	-25.4	³⁰ -39.8	-48.9	-58.0	²⁸ -52.8	²⁴ -54.3	254	33530	-64.7
February	53.0	46.9	42.4	30.2	38.3	23.5	32.3	18.9	21.1	7.9	8.9	-3.8	-6.4	-20.9	-25.9	²⁶ -37.9	-48.5	-55.3	²⁷ -54.5	²⁷ -54.8	261	32860	-63.1
March	48.7	40.9	38.2	29.9	33.5	22.4	28.2	15.3	17.9	0.3	5.9	-15.2	-8.0	-28.4	-26.2	²⁹ -41.2	-49.6	-55.9	³⁰ -56.7	³⁰ -58.4	262	33310	-62.5
April	45.3	40.7	36.6	28.7	32.8	21.6	32.8	14.3	18.3	2.5	15.5	-34.7	-10.8	-29.2	-31.3	²⁵ -43.3	-51.4	-57.9	²⁹ -57.1	²⁸ -59.8	284	31210	-62.9
May	40.8	38.2	34.2	26.1	31.4	19.7	27.0	12.9	16.0	-1.3	2.8	-15.1	-13.9	-31.3	-34.2	²¹ -46.0	-54.7	-68.1	³⁰ -66.8	²⁵ -68.2	258	33080	-75.0
June	²⁹ 37.8	²⁹ 32.9	²⁹ 28.4	²⁹ 22.8	²⁹ 28.5	²⁹ 14.9	²⁹ 20.3	²⁹ 7.5	²⁹ 10.2	²⁹ -6.7	²⁹ -3.3	²⁹ -19.7	²⁹ -19.5	²⁹ -34.3	²⁹ -37.4	²⁹ -43.7	²⁹ -64.7	²⁹ -71.2	²⁸ -67.1	²⁷ -69.9	²⁰ 256	²⁰ 32510	²⁹ -76.5
July	36.0	32.3	29.3	20.2	25.5	11.6	20.5	2.6	8.9	-11.4	-4.4	-24.2	-20.3	-37.3	-39.3	¹⁷ -44.9	-60.9	-73.9	²⁸ -68.7	²⁸ -66.2	262	32180	-77.9
August	37.8	34.7	29.4	23.7	25.2	17.3	20.5	9.0	8.9	-6.8	-5.8	-23.4	-23.4	-38.7	-42.9	¹⁰ -44.1	-65.6	-74.5	³⁰ -75.3	²⁷ -78.4	265	31630	-78.1
September	40.3	35.1	29.6	22.9	25.4	15.8	21.6	9.9	10.4	7.0	-2.7	-20.6	-18.6	-33.5	-38.6	¹⁹ -49.6	-61.0	-70.7	²⁶ -69.7	²² -73.0	265	32130	-73.9
October	47.9	37.9	39.6	22.9	34.5	16.9	28.4	10.0	17.1	-1.2	3.0	-15.7	-13.2	-30.5	-33.3	²⁵ -46.4	-57.8	-70.6	²⁰ -67.0	²⁶ -64.9	248	33710	-74.5
November	50.1	38.1	38.4	26.5	32.9	20.9	27.9	15.3	17.1	1.3	4.4	-12.9	-10.5	-30.6	-30.5	²⁶ -46.5	-53.9	-63.0	²¹ -60.5	²¹ -59.2	262	32380	-67.1
December	45.3	39.1	34.5	29.4	30.5	23.9	25.9	17.6	19.5	3.0	2.7	-11.5	-13.6	-28.2	-33.4	²⁸ -46.3	-54.2	-47.4	³⁰ -50.3	²⁶ -50.3	290	29620	-61.5
Total	533.4	460.8	420.5	313.5	375.0	233.6	317.6	152.2	187.0	2.5	35.8	-202.9	-163.9	-306.2	-398.4	-529.7	-671.2	-766.5	-746.5	-757.4	3167	388150	-837.7
Mean	44.5	38.4	35.0	26.1	31.3	19.5	26.5	12.7	15.6	0.2	3.0	-16.9	-13.7	-30.5	-33.2	-44.1	-55.9	-63.9	-62.2	-63.1	264	32350	-69.8

Upper Air Means Table II for Stanley, Falkland Islands, 1955.

MONTH	²² MEAN HEIGHTS ABOVE M.S.L. OF STANDARD PRESSURE LEVELS (ft.)										
	900 mb.	850 mb.	800 mb.	700 mb.	600 mb.	500 mb.	400 mb.	300 mb.	200 mb.	150 mb.	100 mb.
January	2910	4420	6030	9490	13390	17890	23170	29660	38350	²⁸ 44590	²⁴ 53390
February	2860	4390	5920	9310	13350	17830	23120	29600	38350	²⁷ 44560	²⁷ 53320
March	2850	4360	5930	9370	13270	17730	23020	29480	38230	³⁰ 44430	³⁰ 53090
April	2770	4270	5880	9320	13200	17640	22860	29270	38000	²⁹ 44180	²⁸ 52850
May	2980	4480	6070	9490	13350	17780	22950	29290	37840	³⁰ 43750	²⁵ 52400
June	²⁹ 2830	²⁹ 4310	²⁹ 5870	²⁹ 9270	²⁹ 13070	²⁹ 17410	²⁹ 22550	²⁹ 28790	²⁹ 37160	²⁸ 43210	²⁷ 51660
July	2960	4440	6010	9390	13190	17530	22650	28950	37350	43320	²⁸ 51810
August	2890	4380	5940	9320	13100	17440	22490	28710	37060	³⁰ 42930	²⁷ 51210
September	3080	4660	6260	9620	13430	17800	22930	29200	37660	²⁶ 43580	²² 52030
October	3100	4610	6200	9630	13500	17910	23120	29440	37960	²⁹ 43970	²⁶ 52470
November	2820	4330	5920	9350	13220	17640	22780	29210	37880	44000	²⁴ 52610
December	2620	4130	5700	9120	12980	17400	22580	28990	37690	³⁰ 43940	²⁶ 52770
Total	34670	52780	71730	112680	159050	212000	274220	350590	453530	526460	629610
Mean	2890	4400	5980	9390	13250	17670	22850	29220	37790	43870	52470

Upper Air Frequency Table I for Stanley, Falkland Islands, 1955.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4

MONTH	Surface																				900 mb.																					
	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90		
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to		
January																																										
February										2	15	7	5	2																												
March										1	6	9	11	1													1	7	7	8	6		2									
April										6	12	11	1	1														4	6	7	7	4										
May										8	21	1															2	10	7	7	3		2									
June								2	7	18	4																3	9	9	5	3	1										
July								10	14	5																2	7	8	9	3	1		1									
August						1		9	19	2																	1	11	7	5	2	1	1	1								
September								5	16	9	1																1	10	10	2	3	4	1									
October								2	9	14	5																2	7	5	11	2	2	2									
November										8	10	11	2														2	5	9	7	4	2	1									
December										2	12	7	8														1	2	5	8	7	3	5									
Year						1	28	66	92	95	48	29	4	1													1	5	12	8	4		1									
																												6	37	53	88	71	60	30	14	5						

Upper Air Frequency Table II for Stanley, Falkland Islands, 1955.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges:— 4

MONTH	850 mb.																			800 mb.																						
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90		
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to		
January				2	4	6	8	7	3	1											4	4	9	14	19	24	20	34	39	44	49	54	59	64	69	74	79	84	89	94		
February					5	5	5	7	4	2														1	1	4	3	8	10	4												
March			1	3	6	7	7	4	1	2																6	4	7	7	3	1											
April				3	9	10	2	5		1														1	3	9	4	8	3	2	1											
May			2	7	3	7	8	1	2		1															4	5	9	6	4	2											
June		2	7	6	8	3		1	2														1	1	4	6	5	10	1	2			1									
July		1	9	5	7	4	4	1															2	3	7	8	6	1	1	1												
August		3	5	6	6	7	4																1	7	8	5	4	4	2													
September		1	4	11	7	4	2	1														1	1	6	5	9	4	5														
October			3	1	3	8	9	2	5															2	9	12	5	1	1													
November				3	6	11	3	5	1	1														2	2	5	6	10	1	5												
December			1	5	7	9	8																	1	5	6	6	5	4	2	1											
Year		7	32	52	71	81	60	34	19	7	1											1	5	25	52	81	68	71	35	22	3	1										

Upper Air Frequency Table III for Stanley, Falkland Islands, 1955.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																																		
	700 mb.															600 mb.																																			
	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60											
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to												
-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	64	69	74	79	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	59	64												
January					1	1	3	6	6	10	4													1	1	2	6	5	6	9	1																				
February						1	6	5	4	9	2	1												1		4	3	5	9	4	2																				
March						5	4	10	5	7														1	3	3	6	7	6	3	2																				
April					1	2	7	7	7	3	2	1												1	4	6	2	6	7	2	2																				
May			1		2	6	2	10	5	2	1	2																																							
June				4	2	9	5	6	2	1																																									
July				4	6	9	6	1	3	2																																									
August			1	4	6	5	5	7	2	1																																									
September					2	13	10	3	1	1																																									
October				1	1	3	7	6	6	6	1																																								
November					1	2	9	7	4	6	1																																								
December					1	4	7	9	8	2																																									
Year			2	13	23	60	71	77	53	50	11	4																														3	8	34	43	67	63	61	48	27	10

Upper Air Frequency Table IV for Stanley, Falkland Islands, 1955.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges:— 4																																							
	500 mb.															400 mb.																								
	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
-44	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	39	44	49	54	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	29	34	
January				1		2	6	8	6	8														1	2	7	4	8	9											
February					1	3	5	5	8	6													1	2	2	2	7	7	7											
March				1	2	3	9	6	4	6													1	3	2	5	3	11	4	1	1									
April				1	7	3	6	5	5	2	1												1	1	5	3	7	4	7	2										
May		1	1	6	2	1	11	3	3	2	1												1	6	3	2	11	2	3	2	1									
June			1	6	6	9	4	1	1														2	6	11	6	2	2												
July	1	1	6	7	2	2	5	5	2												1	4	6	5	6	3	5		1											
August		4	3	6	8	6	2	2													3	6	7	6	2	3	3		1											
September			2	4	9	7	4	3	1													2	3	9	10	3	2	1												
October			1		5	7	8	6	4														4	2	7	7	8	3												
November				3	1	4	9	4	6	3													2	2	3	10	6	6	1											
December					6	8	10	4	3														1	5	8	7	9	1												
Year	1	6	15	35	49	55	79	52	43	27	2									4	16	38	54	53	67	55	47	27	2	1										

Upper Air Frequency Table VI for Stanley, Falkland Islands, 1955.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																
MONTH	150 mb.																100 mb.															
	-05	-00	-05	-10	-15	-20	-25	-30	-35	-40	-45	-50	-55	-60	-65	-70	-00	-05	-10	-15	-20	-25	-30	-35	-40	-45	-50	-55	-60	-65	-70	
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	-09	-04	-01	02	05	08	11	14	17	20	23	26	29	32	35	38	-04	-01	02	05	08	11	14	17	20	23	26	29	32	35	38	41
January						4	2	4	8	9	1																					
February						1	7	6	7	3	3																					
March					1	1	3	3	12	3	7																					
April					2	1	8	6	11		1																					
May		2		1	3	1	10	7	4	2																						
June					3	7	8	8	2									1	1	3	3	12	3	1	1							
July	1			4	4	4	9	3	5	1									1	3	10	10	2	1								
August		1		8	7	8	5	1											4	3	10	5	5	1								
September				3	5	5	4	6	3									1	3	7	4	4	1	2								
October				1	5	6	4	6	7										1	3	3	5	8	5								
November					1	1	6	7	11	3	1																					
December						1	3	4	7	9	3	2	1																			
Year	1	3		17	29	35	56	61	64	42	29	8	2	1																		

Upper Air Frequency Table VII for Stanley, Falkland Islands, 1955.

MONTH	RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges :- 5																																													
	Surface											900 mb.										850 mb.										800 mb.														
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=		
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>		
January					1	1	5	9	5	6	4				1	2	1	3	5	8	4	7				2	1	2	6	6	5	5	4				2	2	5	6	3	7	4	2		
February				2	3	8	7	3	3	2				3	3	5	9	4	3	1				3	1	5	5	5	6	2	1				1	2	5	3	8	8		1				
March				5	6	7	10	2	1				1	5	3	11	7	3				2	3	7	4	10	2	3				1	2	5	8	5	5	2	3							
April					1	11	10	6	2				2	3	4	3	4	9	4	1				1	6	6	3	5	7	2				1	1	4	3	5	7	5	2					
May						3	8	15	5		2	1			1	4	2	7	13	1	1	2	2				2	4	3	1	8	8				2	3	1	4	5	3	3	5	5		
June					1	4	12	12	2		1			1	2	4	7	12	2				1	2	2	2		1	6	5	9	1				3	3	3		2	1	4	8	4	1	
July					1	5	11	12	2		2				3	4	5	9	7		1	2	3	1				5	3	7	5	4				1	4	4	1	2	2	7	3	4	2	1
August					1	3	8	14	5					1	3	2	6	10	8	1				1	2	3	4	10	7	4				1	1	3	1	5	5	4	8	3				
September				1	4	7	9	7	2				1	1	2	6	3	4	13		1	1	1		5	6	5	3	7				1	1	3	4	4	6	4	2						
October				2	6	7	10	4	2				1	1	2	5	8	4	1		1	1		1	1	5	6	5	3	7				1	1	3	3	4	4	6	4	2				
November			2	2	10	7	4	2	3		1	1	4	7	5	8	4	1			1	2	3	7	7	6	3	2				1	2	2	2	7	8	8		1						
December				2	5	5	13	6					5	8	7	7		3					3	3	5	9	7	2	1				1	2	3	8	6	6	3	1						
Year			2	7	28	46	75	95	88	23		6	4	13	23	40	56	66	70	80	6	3	7	14	17	35	53	55	69	58	51	2	3	14	22	26	38	60	59	59	47	33	3			

Upper Air Frequency Table VIII for Stanley, Falkland Islands, 1955.

MONTH	RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges :- 5																																																					
	700 mb.										600 mb.										500 mb.										400 mb.																							
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=										
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>										
January		2	1		5	8	5	3	7																2	10	4	3	4	5	2	1																						
February				2	4	3	3	5	8	2	1				2	2	4	3	6	5	5		1	1	3	7	4	5	6	3	1														2	3	5	5	7	7			1	
March	2			5	5	4	1	2	5	5	2	3	4	3	5	2	4	3	3	3	1					2	11	6	4	3	1														2	1	3	4	7	8			1	
April	1			2	4	6	6	4	3	3	1	1	1	2	2	9	5	6	1	2	1		2	6	4	2	4	4	5	3	1													1	6	5	3	5	5	2	1	1		
May	1	1		7	2	3	5	2	3	5	2	1	3	5	3	3	7	2	4	3			2		6	5	6	5	3	3													2	1	4	5	4	3	5	1				
June	1	3		4	1	5	2	2	2	4	5	2	3	4	1	3	4	1	4	6	1				5	4	3	5	7	2	4	1											1	4	4	2	2	3	5					
July	1	6		4	2	3	2	6	1	5		1	5	7	1	3	5	2	3	3	1		2	4	3	6	3	3	4	4														1			2		2	6	1	1		
August			3	2	5	4	4	2	7	3	1	1	4	3	4	4	4	4	4	3			1	4	3	4	8	3	3	3	2													1	1	4	2	2	2	2	3			
September				2	5	5	3	3	4	3	5	1	3	2	7	2	5	2	4	4			1	4	3	3	6	1	5	8														2	2				2	2	2			
October	2			1	3	4	4	6	6	4	1	1	3	3	5	7	3	5	4						3	2	5	5	4	6													3	1	4	3	5	2	1					
November				2	2	2	8	4	4	4		1	2	4	3	3	8	5	2	2					3	4	6	6	5	4	2	1											2	3	5	6	5	4						
December				1		3	3	4	7	5	3	1	1	3	4	4	3	5	5	3	2		3	3	4	5	3	4	6	2													3	4	2	4	4	5	4					
Year	8	21	37	37	51	48	49	48	49	15	1	13	30	40	47	48	54	45	44	36	7		10	35	41	49	67	51	53	44	14												11	28	31	39	41	53	52	11	3			

Upper Air Frequency Table IX for Stanley, Falkland Islands, 1955.

WINDS AT STATION LEVEL : Number of observations at 1100 Zone Time of :-

MONTH	MEAN WIND SPEED	SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS	
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344
	KNOTS																										
January	18.7	2	15	12	2													1	3	11	1		3	4	31		
February	20.6	2	11	10	5									2	2				1	3	3	3	6	8	28		
March	21.2	1	9	13	6									1	2				1	3	6	4	5	5	30		
April	21.2	3	7	10	7										3	2	1			1	5	4	4	6	30		
May	19.7	2	15	9	3	1									2	1				2	5	3	7	8	30		
June	20.1	2	18	4	3	3								1						1	3	3	2	8	31		
July	19.0	1	13	11	4										2	5		1			2	6	2	5	11	30	
August	16.9	4	18	6	3										1	1					7	3		6	10	31	
September	20.0	2	13	11	4										1	1	3				7	3		6	3	30	
October	19.0	3	15	9	4										1	1					7	6	2	8	3	31	
November	22.5	1	10	13	4	2									2	5	2				2	3	1	8	2	2	31
December	21.6	1	12	11	7																8	2	2	2	2	31	
Year	20.0	24	156	119	52	6								4	19	22	11	2	6	11	15	54	50	31	62	74	361

Upper Air Frequency Table X for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED KNOTS	WINDS at 900 mb. : Number of observations at 1100 Zone Time of :-																														
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS						
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344					
January	22.3	4	12	7	4	4												2	2	1		1	2	1	7	6	2	6	1	31		
February	24.1	1	8	9	10													1							2	7	4	7	7	28		
March	26.2	2	4	11	13	1												2		1					3	6	9	3	7	31		
April	27.2	4	5	7	6	6												1			1				3	5	6	3	8	28		
May	28.2	1	11	5	7	6												3	1	1					1	1	5	5	3	6	4	30
June	27.1	2	8	10	7	2	1											3			1	1			6	4	6	2	4	3	30	
July	27.6	2	6	8	10	4															1			1	3	5	3	7	7	3	30	
August	23.3	2	9	11	4	4												1	4	1	1	1	1		1	2	5	7	3	4	31	
September	25.3	3	7	12	3	5												1				1			1	2	7	6	4	8	30	
October	22.7	2	12	9	5	3														1	1					3	5	8	9	4	31	
November	26.6	1	5	14	8	2													1			1				2	10	10	5	1	30	
December	24.0	4	6	10	10	1													1	2	1	2	1	1	3	5	6	4	1	4	31	
Year	25.4	28	93	113	87	38	1											1	19	7	7	6	5	6	16	43	71	68	58	54	361	

Upper Air Frequency Table XI for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 850 mb. : Number of observations at 1100 Zone Time of :-																							NUMBER OF ASCENTS							
		KNOTS	SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)															
	1 to 9		10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014	015 to 044		045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344					
January	23.6	7	7	7	7	3																										
February	25.5	1	7	10	7	3												1	2	1			1	1	8	5	7	3	2	31		
March	28.6	3	4	7	14	3												1					1	4	5	10	5	6		28		
April	28.3	4	4	7	6	7																		1	4	5	10	5	6		31	
May	27.3	2	9	7	5	7												1				1		2	7	6	2	8		28		
June	26.7	3	7	9	7	3	1																1	1	4	6	4	5	4		30	
July	28.0	4	4	8	9	5												1	1			1	2	5	6	4	2	4	3		30	
August	23.8	4	8	10	2	6																	3	2	4	4	7	6	3		30	
September	25.4	1	9	10	5	5												1		2			1	2	6	7	4	6			31	
October	22.8	2	11	10	4	4												1					2		6	9	4	7			30	
November	27.9		5	15	6	4													1	1				1	3	3	11	9	2		31	
December	24.3	2	10	9	7	3																		1	1	12	9	4	2		30	
Year	26.0	33	85	109	79	53	1											1	11	4	6	5	4	9	16	42	73	82	59	49		361

Upper Air Frequency Table XII for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 800 mb. : Number of observations at 1100 Zone Time of :-																													
		SPEEDS (knots)											CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS						
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to 109	120 to 129		140 to 149	160 to 169	>179	345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224		225 to 254	255 to 284	285 to 314	315 to 344		
January	25.0	6	7	6	9	3											1	1	1		1					8	6	7	4	2	31
February	28.8		5	10	8	5											1									6	9	8	4		28
March	30.7	2	3	9	11	6																			1	5	5	10	6	4	31
April	29.6		7	7	6	8											1				1	1	1	1	9	4	3	7		28	
May	26.7	2	10	5	7	6											2			2		1	2	5	6	3	7	2		30	
June	26.0	4	5	11	5	4	1														2	3	4	6	4	2	4	4		30	
July	27.4	3	5	9	9	4															1	3	2	3	4	8	6	3		30	
August	23.6	3	9	9	4	3	1										2			2			1	2	2	11	7	4		31	
September	25.2	1	11	8	5	5															2	2			4	9	7	5		30	
October	24.8	2	9	10	7	3															1	1				3	4	11	8	3	31
November	29.9	1	3	12	7	7																	1		9	15	4	1		30	
December	25.4	1	9	9	8	3																2	1	8	7	5	4	2		31	
Year	26.9	25	83	105	86	57	2										3	8	3	3	2	5	12	15	41	66	94	68	41	361	

Upper Air Frequency Table XIII for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 700 mb. : Number of observations at 1100 Zone Time of :—																									NUMBER OF ASCENTS
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)												
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 50	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344	
January	28.0	3	7	7	7	7									3				1			7	8	7	5		31
February	35.8		2	6	11	8	1															4	10	10	4		28
March	34.2	2	2	7	9	10	1												1		1	3	6	9	9	2	31
April	31.9	1	7	3	9	7	1								1						2	1	6	9	6	3	28
May	28.4	3	5	9	6	7									1	1	1				2	5	6	5	8	1	30
June	25.4	5	2	12	5	6									1		1		1	2	4	6	5	2	5	3	30
July	29.6	3	7	4	10	5	1												1	2	4	1	6	7	6	3	30
August	25.1	5	8	7	5	6													1	2	4	1	6	7	6	3	30
September	26.8	1	12	5	9	3									1					1		2	5	12	8	2	31
October	27.3	1	7	15	5	3												1	1	1	3	2	7	9	6	30	
November	36.9		1	7	8	13	1														4	4	12	8	3	31	
December	28.0	1	7	7	12	4															1		12	14	2	1	30
Year	29.8	25	67	89	96	79	5								7	1	2		5	9	15	39	72	103	79	29	361

Upper Air Frequency Table XIV for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 600 mb. : Number of observations at 1100 Zone Time of :—																									
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)												NUMBER OF ASCENTS
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344	
January	33.7	3	5	5	8	7	3								2			1			1	4	7	8	5	3	31
February	39.0			9	6	11	1	1													2	14	9	3			28
March	42.3	2	3	1	7	15	3										1			1	4	4	13	6	2	31	
April	36.1	1	5	3	7	10	2										1			1	1	6	7	8	4	28	
May	31.2	2	4	10	3	11								1	2					3	5	3	6	8	2	30	
June	29.4	4	4	7	8	6	1							2		1	1	2	4	4	4	4	5	5	2	30	
July	33.1	3	7	2	8	8	2									1				5	5	2	9	5	3	30	
August	29.5	3	6	8	6	5	3							1					3	1	6	9	10	1		31	
September	27.4	2	6	12	5	4	1										2	2	3	4	5	8	6			30	
October	30.8		6	11	6	7	1													5	4	10	11	1		31	
November	43.4		1	2	8	16	3													2	12	9	7			30	
December	32.0		6	6	15	3	1									1		1	7	9	7	6				31	
Year	34.0	20	53	76	87	103	21	1							6	2	1	2	4	4	21	41	63	102	88	27	361

Upper Air Frequency Table XV for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 500 mb. : Number of observations at 1100 Zone Time of :-																								NUMBER OF ASCENTS		
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)													
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344	
January	40.7	2	4	5	3	10	5	2																				
February	47.7			2	6	15	4	1						3		1					1	4	7	9	5	1		31
March	53.6	1	2	2	3	10	10	3													1			16	8	3		28
April	42.0	1	5	3	3	11	4	1													2	3	7	10	7	2		31
May	35.6	2	3	7	6	8	4							1				2		1	5	2	8	7	2		28	
June	32.3	3	6	4	7	8	2							2					4	3	7	2	8	4			30	
July	36.8	1	5	8	4	7	3	1	1					1		2		1	5	6	3	4	5	3			30	
August	35.8	4	4	4	7	6	5	1									2	2	1	6	1	10	6	2			30	
September	30.0	2	7	8	6	5	2							1	1				2	2	7	6	11	1			31	
October	35.1		7	5	9	8	2											3	1	5	2	5	10	4			30	
November	51.2		1		6	13	9	1											1	3	7	8	11	1			31	
December	35.8		5	5	11	8	1	1																			30	
Year	39.7	16	49	53	71	109	51	11	1								1			6	9	10	4	1			31	
														8	1	1	2	3	8	18	44	66	97	88	25		361	

Upper Air Frequency Table XVI for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 400 mb. : Number of observations at 1100 Zone Time of :-																																	
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS										
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344								
January	50.3	2	3	6		9	6	4	1						1		1						6	6	8	4	5	31							
February	56.4			3	2	11	10	2															6	6	8	4	5	31							
March	64.2	1	2	2	2	8	7	6	2		1												1		12	11	4	28							
April	51.6		3	2	5	7	7	3	1								1						2	3	8	8	7	2	31						
May	43.5	1	2	2	7	12	6								1							3	6	1	5	9	2	28							
June	37.1	3	6	3	3	12	1	2															3	5	5	3	8	4	30						
July	43.2		5	6	5	9	3		1	1						1		1	2	5	4	4	4	5	5	2	30								
August	44.4	2	4	2	7	7	6	2	1									2	3	1	4	3	11	4	2	4	2	30							
September	33.7		7	10	4	6	3												1	2	3	5	9	7	4	4	31								
October	45.8	1		7	7	13	3												2	4	1	6	3	12	2	2	30								
November	62.3		1	1	3	7	10	8												1	3	6	11	8	2	2	31								
December	41.4		3	6	4	13	3	1	1										1	2	2	9	8	7	2	2	31								
Year	47.8	10	36	50	49	114	65	28	7	1	1												5	1	2	1	3	12	20	39	66	92	89	31	361

Upper Air Frequency Table XVIII for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED KNOTS	WINDS at 200 mb. : Number of observations at 1100 Zone Time of :—																								
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344
January	50.7	2	2	4	3	11	3	4	1										1	3	8	8	7	3	30	
February	57.3				2	16	7	3												1	3	10	14		28	
March	61.6		1	2	2	10	8	5	2										1	3	8	9	8	1	30	
April	49.6	1	2	4	3	8	5	5												1	4	13	8	1	28	
May	47.7		1	4	4	15	5	1							1				1	3	9	8	6	2	30	
June	39.9	1	3	7	6	6	6	1												2	5	7	7	8	1	30
July	43.2		3	4	5	11	5	1		1								2	2	3	10	9	4		30	
August	58.9			2	4	11	9	4	1												2	7	10	11	1	31
September	47.5			2	10	13	4		1										1	2	7	13	7		30	
October	51.2			2	4	19	3	2	1											1	8	10	10	2	31	
November	64.0			1		10	12	4	2											1	13	11	4		29	
December	44.3		1	7	6	11	5	1												1	10	10	9	1	31	
Year	51.3	4	13	39	49	141	72	31	8	1						1	3	8	26	94	118	96	12	358		

Upper Air Frequency Table XIX for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 150 mb. : Number of observations at 1100 Zone Time of :-																									NUMBER OF ASCENTS	
		KNOTS	SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)											
	1 to 9		10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014	015 to 044		045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344		
January	40.1	2	3	4	2	12	2	2																				
February	44.0			2	9	15	2													2	8	8	7	2			27	
March	48.0		1	2	5	11	5	1																				
April	42.7	2	2	1	5	11	6																					
May	41.5		3	4	3	14	3													1		4	14	7	1			27
June	38.7		2	8	7	10	3														6	7	8	6				27
July	41.2		3	2	6	13	4	1																				
August	63.0				1	12	13	4																				
September	55.6				2	16	8	1	1																			
October	53.0				5	14	11														2	7	15	4				
November	63.4			1	2	8	11	2	2																			
December	35.6		3	7	8	9	1																					
Year	47.2	4	17	31	55	145	69	11	3																			
																				2	23	84	134	88	4		335	

Upper Air Frequency Table XX for Stanley, Falkland Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 100 mb. : Number of observations at 1100 Zone Time of :—																								
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344
January	22.1	5	3	6	6	1														4	4	6	5	2	21	
February	28.1		1	13	8	1															1	9	12	1	23	
March	33.2		4	3	9	5	1													1	5	11	5		22	
April	37.9		3	4	5	8	2														2	8	11	1	22	
May	39.5		2	2	10	6	2														3	11	5	3	22	
June	43.0			3	7	13	3														2	11	12	1	26	
July	46.6			3	6	6	7														1	12	9		22	
August	76.7					5	6	10	1													4	10	7	1	22
September	68.2					8	10	4	1													8	13	2	23	
October	51.8				7	9	9	1														2	10	14		26
November	49.0			3	1	7	5	1														4	12	1	17	
December	28.3	2	3	10	5	4	1							1								9	10	5	25	
Year	43.7	7	16	47	64	73	46	16	2					1							11	73	115	66	5	271

Upper Air Frequency Table XXII for Stanley, Falkland Islands, 1955.

HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 50ft. ranges :— 22

MONTH

850 mb. Mean height 4,400 ft. I.C.A.N. height 4,780 ft.

	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535						
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to				
January																2		1				2	2	5	2	3	3	1	3	1	2		2		2																
February																1		2		1	1	2	3	7		2	3	2	1	1	2			2																	
March																		2		1		3	4	5	2	2	6	1	2	2	1																				
April								1				1	2				1	2	1		1	3	3	2		3	2	2	2	1	1	1	1																		
May									1	1							1																																		
June						1		1								1	3	1	1	1	1		3	1	2	1	2	1	1	2	3		3		1	3	1	1													
July												1				1				1	2		2	3	1	1	2	3	1		1	1	1	1	2	2		2	1												
August										1			1					1	1	2	1		3	2	5	2	3			1	3	1	2	1	2				1	3	1										
September																		1	1	2	1		2		2		2	1	4	4	2	3			2	2			3			1	1								
October																				1					2	2	2	2	2	5	4	6	2			1	2	2													
November																		4	3	2	3	4			1	3	1	1	1	1		3			1	1	1														
December												1	1	2	2	2	3	2	1	2	5	1	1		2	2	3				1				1	1	1														
Year					1		2	1	3		2	4	4	2	7	8	15	9	13	13	19	21	22	31	20	32	13	22	20	23	13	9	8	9	5	6	4	2	1												

Upper Air Frequency Table XXIV for Stanley, Falkland Islands, 1955.

HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :— ²²	
MONTH	700 mb. Mean height 9,390 ft. I.C.A.N. height 9,880 ft.
	72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116
January	1 1 1 1 5 3 8 3 4 2 2
February	1 2 2 4 2 8 5 3 1
March	1 2 4 9 5 6 2 2
April	1 2 1 2 2 5 1 3 5 2 4 1 1
May	2 2 1 1 2 1 3 4 3 3 1 3 4 1
June	1 1 1 3 2 3 2 3 3 2 3 5
July	3 1 1 3 4 4 2 2 2 1 3 1 3 1
August	1 1 3 1 1 2 4 8 3 3 3 1
September	2 1 1 2 5 5 7 1 4 1 1
October	1 2 3 6 5 6 5 1 2
November	3 8 3 3 2 4 1 3 1 2
December	1 4 3 6 3 4 4 3 3
Year	1 2 3 7 8 12 18 28 31 41 39 56 34 41 13 15 12 3

Upper Air Frequency Table XXVI for Stanley, Falkland Islands, 1955.

MONTH	HEIGHT AT STANDARD LEVELS: Number of observations at 1100 Zone Time in 100 ft. ranges:— 22																																																						
	500 mb. Mean height 17,670 ft. I.C.A.N. height 18,280 ft.																																																						
	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198										
January															1				2		1	3	3	5	3	2	4	2	1	1	2	1																							
February																		1	1		2	4	3	1	4	6	2	4																											
March																			1	4	6	3	3	2	4	4	3		1																										
April															2		1	1	2	2	2	2	3	2	3		6	1		3																									
May														1	2		2	1	1	1		2	1	1	1	4	2	3	3	2	2	1	1																						
June																			1	1	1	1		1	5	4		3	2	1	3	4	1	1																					
July														1		1	2	1	2	2	3	4	2	2		1	2	1	2	2	2																								
August														1	1	1	2	1	1	1	3	2	5	1	6	1	3	1	1																										
September																			2	1	1	2	3	2	7	3	2	1	5	1																									
October																				2	3	2	2	2	2	5	5	2	4	3	1																								
November																		1	3	5	5	2	1		3	2	4	1		1	1	1																							
December																2	2	3	3	4	4	3	2	6	1	1																													
Total													1	2	3	7	8	7	10	20	27	24	33	27	29	30	35	34	21	20	14	5	5	2																					

Upper Air Frequency Table XXVIII for Stanley, Falkland Islands, 1955.

MONTH	HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :—																																																	
	300 mb. Mean height 29,220 ft. I.C.A.N. height 33,050 ft.																																																	
	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316					
January															2		1		2		2	2	4	4	2	1	2	1	3	2		1	1	1																
February																3	1			2	2	3		1	4	3	3	2	2	1	1																			
March															1	2		2	4	3	1	2	3	2	1	1	4	2	1	1	1																			
April									1	1				1	1	3	1	4	4	1	1	3		1	2	1	1	1	2				1																	
May								1	2	1	1	3	1	1	1				1	2	2	1	2	3	3	1	3																							
June							1		2	1	1	3	2		3	4	2	1	1	3	1	2	1			1																								
July				1			2			2	1	1	2	3		2	2	2	2	1		1	1	2	2	1		2		1																				
August				1	1		2	2		1	1	1	3	1	2	4		3	1	1	1	4	1			1																								
September													3		2	2	1	1	5	2	3	2	2	2	3		1	1																						
October															1	3		3	2	2	2	1	2	5	1	3	2	1	3																					
November						1							3	1		4	2	1	4	1	1	1	3		2		3		1	1																				
December											1	2	2	3	3	1	4	1	3	4		5		1	1																									
Year				2	1	1	5	3	5	6	5	10	16	10	16	28	14	18	28	21	16	28	18	20	21	15	17	13	12	6	2	2	2	2	3															

Upper Air Frequency Table XXX for Stanley, Falkland Islands, 1955.

MONTH	HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges :— 22																																																			
	150 mb. Mean height 43,870 ft. I.C.A.N. height 44,610 ft.																																																			
	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460							
January																				1			1		2	1	2	3	1	2	2	5	2	4	1	1																
February																										2	4	1	2	5	3	2	5	1	1					1												
March																						3		1	4	3	2	1	4	3	4	1	2			2																
April																1						4		1	5	3	4	2	3	2	1	1							1													
May														1	1	1	1	3	1	1		2	2		3	3	6	1		2			1	1																		
June								1					5	3	2	3	4	1	2	2	2	2				1																										
July									2	1	1		2	2	4	3	1	3	2	2	3	1	2	1				1																								
August		2			1		1	1		1		3	4		3	2	3	1	2	2	2		2																													
September														1	2	1	3	5	1		4	2	4	1		1	1																									
October														1			1		4	2	1	3	2	2	3	2	2	3	2	2	1	2	2	1		2	2	1														
November															2			1	3	2	3	2	2	3	1	2	2	1	1	1					1	3																
December															1		2		2	2	2	2	4	1	4	6		2	2					2																		
Year	2			1		1	1	1	3	1	4	9	6	10	16	12	12	14	17	13	21	19	13	20	25	23	15	14	17	12	10	16	9	5	3	1	1	1														

Means and Extremes Table I for Grytviken, South Georgia, 1955.

MONTH	M. S. L. PRESSURE (mb.)				AIR TEMPERATURE (°F)																	
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES ¹					
		HIGH	DATE	LOW	DATE	0100	0400	0700	1000	1300	1600	1900	2200		MAX.	MIN.	MAX.	DATE	MIN.	DATE		
January	995.9	1020.7	19th	958.1	9th	37.0	36.3	38.3	40.5	42.7	43.0	41.0	38.7	39.7	46.4	34.8	57	20th, 24th	30	18th, 19th		
February	1000.0	1020.1	21st	970.5	17th	41.8	40.6	42.5	45.5	48.1	48.0	45.2	43.5	44.4	52.3	38.2	<u>73</u>	<u>6th</u>	33	18th		
March	995.5	1011.0	1st	972.7	23rd	40.2	39.9	39.8	40.9	42.7	42.4	41.1	40.6	40.9	47.0	35.9	60	20th	27	16th, 17th		
April	997.4	1012.5	1st, 2nd	968.9	30th	37.0	37.8	37.0	37.5	39.2	39.5	38.0	37.4	37.9	43.7	33.4	60	9th	27	15th		
May	999.7	1023.6	10th	960.4	31st	35.3	35.4	35.2	35.7	37.1	37.0	35.8	35.0	35.8	41.3	31.1	57	25th	20	31st		
June	994.2	1012.8	26th	<u>953.2</u>	<u>6th</u>	30.2	30.0	29.6	30.0	31.5	31.2	30.6	31.0	30.5	35.3	26.2	46	14th	18	17th, 19th		
July	997.8	1033.6	31st	966.5	15th	31.0	31.1	31.5	31.5	31.9	32.0	31.4	31.1	31.4	37.2	26.2	48	29th	17	25th		
August	1004.6	<u>1035.3</u>	<u>1st</u>	976.5	6th	28.8	28.7	29.1	29.2	32.4	31.7	30.1	29.2	29.9	36.0	25.2	49	6th	<u>13</u>	<u>26th</u>		
September	1008.3	1028.9	6th	976.6	19th	30.7	30.3	30.9	32.8	34.5	34.6	31.2	31.3	32.0	38.3	26.7	46	19th	17	2nd		
October	1010.3	1025.8	17th	992.6	8th	35.2	35.0	36.1	38.0	40.2	40.2	36.9	35.6	37.1	43.9	32.1	56	8th	27	23rd		
November	992.0	1016.9	9th	966.9	27th	34.3	34.2	36.2	38.2	40.7	39.0	36.6	35.3	36.8	43.4	31.9	51	21st	29	5th, 13th		
December	986.8	1005.0	20th	957.6	9th	36.4	35.0	37.5	39.8	42.0	41.6	39.2	37.4	38.7	45.1	34.0	53	18th	31	6, 17, 18, 21, 23		
Total	11982.5	12246.2	—	11620.5	—	417.9	415.2	423.7	439.6	463.0	460.2	437.1	426.1	435.1	509.9	375.7	656	—	289	—		
Mean	998.5	1020.5	—	968.4	—	34.8	34.6	35.3	36.6	38.6	38.3	36.4	35.5	36.3	42.5	31.3	54.7	—	24.1	—		

Means and Extremes Table II for Grytviken, South Georgia, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0100	0400	0700	1000	1300	1600	1900	2200		0100	0400	0700	1000	1300	1600	1900		2200	REC.					EST.
January	84	84	82	78	72	72	75	81	79	5.5	5.6	6.2	6.5	6.5	6.5	6.3	6.0	6.1	4.5	4.9	16.5	69.2	12.7	6th
February	81	85	81	73	67	67	74	78	76	6.1	5.4	5.9	5.6	6.2	5.7	6.0	4.9	5.7	5.8	6.1	14.7	121.9	20.5	6th
March	74	78	75	76	73	73	73	72	74	5.0	5.0	6.1	6.2	6.6	6.5	5.6	4.5	5.7	3.7	4.1	12.6	201.2	27.2	18th
April	83	79	81	81	78	78	79	80	80	5.4	5.2	6.0	6.3	6.4	7.0	5.9	5.8	6.0	1.3	2.0	10.4	186.1	53.8	3rd
May	79	77	77	77	74	73	75	76	76	3.8	4.6	4.8	5.8	5.5	5.8	4.3	4.2	4.9	1.3	2.9	8.5	233.4	75.0	12th
June	81	80	83	81	79	78	80	81	80	4.9	5.4	5.9	6.1	6.1	6.3	4.3	4.5	5.4	0.5	1.8	7.5	235.1	<u>79.2</u>	<u>6th</u>
July	73	75	75	75	75	73	77	75	75	3.3	4.3	5.4	5.8	5.9	5.7	4.2	3.5	4.8	0.5	2.4	7.9	92.4	21.8	2nd
August	81	83	78	80	74	74	77	83	79	4.7	4.5	5.0	5.4	5.0	5.7	5.2	5.1	5.1	2.3	4.4	9.5	84.1	16.2	11th
September	77	77	74	75	67	75	67	73	73	4.3	3.8	5.1	5.1	4.9	5.1	5.6	4.9	4.9	4.8	6.0	11.6	71.7	24.4	9th
October	83	82	83	81	74	75	82	84	81	4.6	5.2	5.6	6.0	5.8	5.6	5.6	5.0	5.4	4.8	5.3	13.8	100.9	57.9	31st
November	84	85	77	77	70	72	78	83	78	4.8	5.7	6.0	6.2	6.1	6.6	6.2	5.7	5.9	5.1	5.6	15.8	189.2	45.2	1st
December	81	84	78	74	67	70	73	78	76	6.3	6.6	6.8	6.5	6.5	6.7	6.7	6.6	6.6	4.5	4.6	17.0	188.2	59.0	8th
Total	961	964	944	928	870	880	910	944	927	58.7	61.3	68.8	71.5	71.5	73.2	65.9	60.7	66.5	39.1	50.1	145.8	1773.4	492.9	—
Mean	80	80	79	77	73	73	76	79	77	4.9	5.1	5.7	6.0	6.0	6.1	5.5	5.1	5.5	3.3	4.2	12.1	147.8	41.1	—

Frequency Table I for Grytviken, South Georgia, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	939.9	944.9	949.9	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9
January					3	3	8	11	8	16	39	23	27	44	24	15	23	4			
February								6	5	8	7	29	56	52	18	25	17	1			
March								3	6	12	27	69	57	47	25	2					
April							1	6	15	9	24	23	40	59	52	11					
May						2	5	5	10	8	29	42	30	20	20	43	13	21			
June				2	7	2	2	14	7	11	24	33	44	41	41	12					
July							4	7	10	5	21	31	47	67	33	15	2	2	2	2	2
August									6	13	14	29	42	34	21	25	20	22	14	6	2
September									4	5	5	11	19	46	38	46	36	12	18		
October												3	23	38	69	41	37	34	3		
November							5	11	19	33	47	36	41	19	8	13	8				
December					4	6	8	12	25	44	33	56	50	9	1						
Year				2	14	13	33	75	115	164	270	385	476	476	350	248	156	96	37	8	2

Frequency Table III for Grytviken, South Georgia, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January							5	6	10	16	12	16	25	30	27	26	31	29	15
February	2	1	2		2	2	5	13	12	13	18	11	8	19	15	25	24	29	23
March					3	7	9	9	18	21	15	24	22	12	21	25	17	19	26
April						3	4	1	6	9	17	14	17	39	31	30	31	17	21
May			2	1	2	4	4	6	13	13	22	15	18	23	31	33	20	26	15
June					1	1	2	4	1	4	10	14	31	40	41	29	25	16	21
July				1	1	2		8	10	19	18	31	27	32	27	23	21	24	4
August								3	7	13	22	19	32	26	30	28	37	27	4
September					1	2	2	3	13	19	19	27	35	45	29	20	17	7	1
October					1		6	3	11	13	15	13	18	20	27	30	34	33	24
November					1		1	5	15	17	19	18	17	18	29	33	22	28	17
December						2	4	12	7	26	21	21	24	19	26	20	32	23	11
Totals	2	1	4	2	12	23	42	73	123	183	208	223	274	323	334	322	311	278	182
Mean	—	—	—	—	1	2	3	6	10	15	17	19	23	27	28	27	26	23	15

Frequency Table IV for Grytviken, South Georgia, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY									LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No Cloud					
	<40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	= >40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS								
																	0	30	60	120	300	600	1200	2400	=	0	30	60	120		300	600	1200	2400	=
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	> 6000	to 30	to 60	to 120	to 300		to 600	to 1200	to 2400	to 6000	> 6000
January	2		3	3	5	22	42	85	86	25	52	41	41	83	6	10	2	7	(2) 34	(4) 26	(40) 131	(12) 13	10	8	6	1	2	(2) 12	(4) 10	(26) 44	(10)	4	2	7	
February	1	2	4	3	7	25	20	82	80	13	55	34	37	48	7	13	1	15	(2) 15	(1) 15	(20) 101	(6) 10	26	12	7	(1) 7	15	(1) 2	(14) 25	(5) 1	4	5	5		
March	1	3		3	5	36	31	80	89	35	47	40	54	61	11	11	1	6	15	(2) 22	(25) 148	(2) 10	17	3	11		3	(1) 10	(16) 61	(2) 3	3		15		
April		1		4	8	25	32	91	79	28	49	32	44	87		3		4	(1) 14	(3) 39	(29) 146	(5) 6	12	6			(1) 5	(2) 19	(25) 67	(4) 2	5	2	10		
May	1	1	3	8	2	23	37	87	86	62	64	32	46	39	5	8	1	9	(1) 15	(5) 22	(15) 110	(5) 21	25	8		4	10	(2) 10	(11) 26	(4) 6	2	1	29		
June	1	2	5	6		39	62	50	75	43	30	50	41	71	5	6		3	(1) 21	(9) 42	(10) 119	(3) 6	8	8	5		3	13	(4) 23	(7) 44	(1) 1		27		
July		1	2	1	1	35	49	47	112	59	50	27	47	62	3	3			(2) 42	(5) 132	(6) 132	(6) 6	10	7	3			6	(2) 33	(4) 44	(4)	1	1	42	
August			2	7	1	37	55	26	120	46	42	36	37	83	4	4			15	(18) 46	(7) 124	(7) 13	9	8	4		10	32	(14) 41	(7) 2		2	29		
September				2	4	19	38	48	129	61	53	31	44	50	1	1			6	(2) 30	(6) 137	(4) 5	17	11	1		3	(2) 21	(3) 41	(3) 2	2	2	33		
October			2	7	4	34	64	76	61	54	43	30	32	87	2	2		7	(5) 15	(21) 63	(10) 102	(10) 5	19	12	2		5	8	(2) 37	(18) 35	(5)	1	2	23	
November			6	5	4	49	61	43	72	17	54	40	32	86	11	11	2	4	(2) 32	(7) 62	(35) 106	(9) 6	6	2	11	1	2	19	(2) 32	(24) 20	(4)	4	1	9	
December				1	1	51	51	68	76	9	45	36	66	92		1	2	12	(2) 34	(18) 50	(49) 127	(23) 13	2	4			2	(2) 8	(10) 17	(32) 45	(19) 3		2	3	
Total	0	6	12	25	50	42	395	542	783	1065	482	581	429	521	849	55	73	9	(2) 67	(10) 233	(53) 459	(273) 1483	(92) 114	161	89	50	2	(1) 25	(7) 112	(30) 246	(194) 493	(68) 20	26	20	232
Mean	—	1	1	2	4	3	33	45	65	89	40	49	36	43	71	5	6	1	(-) 6	(1) 19	(4) 38	(23) 124	(8) 9	13	7	4	—	(-) 2	(1) 9	(3) 21	(16) 41	(6) 2	2	2	19

Frequency Table V for Grytviken, South Georgia, 1955.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	¹⁰ ¹⁸	¹⁰	¹⁰ ¹⁸	¹⁰	¹¹	¹¹	¹²	¹³	¹⁴	¹⁰ & ¹⁵	Fog ¹⁰ & ¹⁸		Hail ¹⁰ & ¹⁷			
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE = ⁶ ^	WIND FORCE = ⁸ ^	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft
	>41°F	<23°F	<14°F	>59°F	=	=	=																		
January					20	15	1	4		19	10	3	8		17		1			16	2	1		1	3
February	3			1	19	13	5	5		22		1	4	1	9					12	4			2	
March	2			2	24	17	8	7	2	24	8	3	6		13	1	4			20	1	1	4	3	3
April				1	24	15	5	5		23	9	7	6		19		3		15	1				1	
May	2				17	13	5	8		15	14	3	3	1	9	1	17		12	14	1	2	4		
June		1			17	15	6	10		11	22	1	2		11	1	27		19	3	2	2		7	
July					21	13	3	10	2	9	20	2	1		6	2	31		16	2		1		7	
August			1		21	15	3	7		9	20	3	3		11	3	26		4	18	1	1	3		3
September					12	7	3	7		11	18	1		1	12	2	20		3	17			3		4
October	1				10	9	3	11		10	13	3	7		13	3	1			10	2		1		
November					25	17	6	3		16	19	8	7		16	1	10		2	14	3	2	2		1
December					20	18	4	3		20	17	7	6		21	2	1			17			1	1	7
Total	9	1	1	4	230	167	52	80	4	189	170	42	53	3	157	16	141		71	144	16	10	18	22	21
Mean	1	—	—	1	19	14	4	7	—	16	14	3	4	—	13	1	12		6	12	1	1	1	2	2

Frequency Table VI for Grytviken, South Georgia, 1955.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	5.4		4	51	80	113	18	2	3	18	21	4	5	3	5	11	27	18
February	7.2		8	69	49	98	28	4	1	17	10	6	2		2	12	21	23
March	10.3	7	15	101	63	62	25		1	8	24	11	1	2	2	22	37	53
April	8.0		6	89	60	85	18	4	2	7	25	10	2	3	5	13	24	42
May	7.9		20	75	55	98	26	2	4	3	3	2	2	2	6	23	39	38
June	8.3		21	67	70	82	25	4		3	5	3	3	5	13	27	27	43
July	8.8	3	17	93	40	95	16	4		5	2	1	1	4	16	22	34	48
August	6.2		12	62	54	120	22		2	6	5	5	4	4	9	20	22	20
September	8.2		12	88	56	84	18	3	2	7	13	6	1	3	6	24	26	47
October	6.6		12	66	66	104	36	10		14	19	2			1	10	13	39
November	7.1		6	74	89	71	37			21	12	3	2	1	5	24	19	45
December	6.3		4	72	113	59	21	8	5	23	19	6	7		7	18	32	43
Total	90.3	10	137	907	795	1071	290	41	20	132	158	59	30	27	77	226	321	468
Mean	7.5	1	11	76	66	89	24	3	2	11	13	5	3	2	6	19	27	39

Frequency Tables VII to X for Grytviken, South Georgia, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1		4	5	2	1						14
2	5			6	9	1					1	3	25
3	10	1	3	7	5		4				7	4	41
4	2			1	1	1		2	3	6	14	7	37
5					1			1		5	4	3	14
6									2		1	1	4
7													
≥ 8													
Totals	18	2	3	18	21	4	5	3	5	11	27	18	135

CALMS - 113

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					2	3		1		1			8
2	5	1			4	3	2	1					17
3	7	1	1	6	2	2					3	2	24
4	15	2			4	1	2			5	4	6	39
5	1				1	1			1	5	6	15	30
6											6		6
7										1	1		2
≥ 8													
Totals	28	4	1	17	10	6	2		2	12	21	23	126

CALMS - 98

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			2	3	2	1		1				10
2	5		1	2	3			2		1	2	4	20
3	8			4	7	3			1	3	2	5	33
4	10				10	4				6	16	25	71
5	1				1	2				5	7	14	30
6										4	5	3	12
7										1		2	3
≥ 8										2	5		7
Totals	25		1	8	24	11	1	2	2	22	37	53	186

CALMS - 62

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3		1	1	2		1	1				1	10
2	3	1	1	3	1	3			1	1			14
3	4	1		2	8	3	1	1	1	1	3	11	36
4	8	2		1	4	3				4	9	20	51
5					10	1		1	1	7	8	10	38
6									2		4		6
7													
≥ 8													
Totals	18	4	2	7	25	10	2	3	5	13	24	42	155

CALMS - 85

Frequency Tables XI to XIV for Grytviken, South Georgia, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1	3	3	1	1	2			3	2	1	18
2	3				1	1		1		1	1	3	11
3	12	1			1			1		3	6	2	26
4	6		1						4	4	11	13	39
5	1								2	8	9	16	36
6	2									4	8	3	17
7	1										2		3
≥ 8													
Totals	26	2	4	3	3	2	2	2	6	23	39	38	150

CALMS - 98

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	8	1			1	1	2		2	5	3	1	24
2	2			2	2			1	1	2	2	3	15
3	9	2		1	2	2	1		2	3	1	8	31
4	4	1						4	4	2	8	14	37
5									3	10	9	8	30
6	2								1	5	3	6	17
7											1	3	4
≥ 8													
Totals	25	4		3	5	3	3	5	13	27	27	43	158

CALMS - 82

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			1	1	1		1	2	2	3		12
2	2	3		2			1			1			9
3	4	1			1				1	1	4	7	19
4	8			2				2	7	2	16	20	57
5	1							1	2	6	9	17	36
6									3	5	1	4	13
7										3	1		4
≥ 8									1	2			3
Totals	16	4		5	2	1	1	4	16	22	34	48	153

CALMS - 95

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	6		1				2	2	1	1	3		16
2	3		1	3		2		1	1	3	1	1	16
3	5			3	3	2				2	4	3	22
4	7				2	1	2	1	2	7	7	12	41
5	1								2	3	7	8	21
6									1	1		5	7
7									2	3			5
≥ 8													
Totals	22		2	6	5	5	4	4	9	20	22	29	128

CALMS - 100

Frequency Tables XV to XVIII for Grytviken, South Georgia, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	4			3	1	1	1	1		3	1	3	18
2	3			2		2			1	3		4	15
3	2	2	2		4			1		2	3	7	23
4	7	1		2	7	1		4	5	11	17	55	
5	1				1	2		1	1	6	9	12	33
6	1								4	1	4		10
7									1	1			2
≥ 8													
Totals	18	3	2	7	13	6	1	3	6	24	26	47	156

CALMS - 84

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	6	1		4	3	2				4	1	1	22
2	6	4		3	5						1	2	21
3	11			5	1						1	5	23
4	9	5		2	8			1		1	2	19	47
5	1				2					3	5	8	19
6	3									1	2	4	10
7										1	1		2
≥ 8													
Totals	36	10		14	19	2			1	10	13	39	144

CALMS - 104

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	9			4	3	2	1			1		2	22
2	10			6	5	1	1		1		1	4	29
3	9			8	4				1	3	5	8	38
4	8			3					14	11	24	60	
5	1							1	1	4	1	7	14
6							1	1	1	2	1		5
7								1					1
≥ 8													
Totals	37			21	12	3	2	1	5	24	19	45	169

CALMS - 71

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	6	3	2	8	7	3	5			4		3	41
2	5	2	1	5	3	1	2		1		2	5	27
3	7	3	1	10	7	1			1	1	6	8	45
4	2		1		1				3	8	16	17	48
5	1				1	1				4	8	9	24
6								2	1				4
7													
≥ 8													
Totals	21	8	5	23	19	6	7		7	18	32	43	189

CALMS - 59

Frequency Table XIX for Grytviken, South Georgia, 1955.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	46	7	7	32	30	15	17	5	7	24	13	12	215
2	52	11	4	38	32	13	5	5	6	12	12	29	219
3	88	12	7	46	45	13	6	3	7	19	45	70	361
4	86	11	2	15	34	12	2	9	28	64	125	194	582
5	9			1	17	6		4	13	66	82	127	325
6	8							1	12	27	32	31	111
7	1								3	10	7	5	26
=> 8									1	4	5		10
Totals	290	41	20	132	158	59	30	27	77	226	321	468	1849

CALMS 1071.

Frequency Table XX for Grytviken, South Georgia, 1955.

MONTH	RAINFALL (mms.) : Number of days of 1																																																												
	<i>Nil</i>	<i>Trace</i>	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Nil - 0.9	1.0 - 1.9	2.0 - 2.9	3.0 - 3.9	4.0 - 4.9	5.0 - 5.9	6.0 - 6.9	7.0 - 7.9	8.0 - 8.9	9.0 - 9.9	Nil - 9.9	10.0 - 14.9	15.0 - 19.9	20.0 - 24.9	25.0 - 29.9	30.0 - 34.9	35.0 - 39.9	40.0 - 44.9	45.0 - 49.9	50.0 - 54.9	55.0 - 59.9	60.0 - 64.9	65.0 - 69.9	70.0 - 74.9	75.0 - 79.9	< = 80.0																								
<i>January</i>	6	5	1	1			2	1				16	5	3		2		1	1		2	30	1																																						
<i>February</i>	6	3	1	1	2				1		1	15	2	1		2		1	2			23	2	1	2																																				
<i>March</i>	3	4	2		1	1			1		2	14	2		1		2			2	2	23	3	1	2	2																																			
<i>April</i>	2	4	3	4	1						1	15	1	2	2	2				2	1	25	2			1	1																																		
<i>May</i>	10	4	3			1						18	1	2	2		1		1		1	26	1	1	1																																				
<i>June</i>	2	11		1					1			15	2	4		1	1			1		24	1		2	1			1																																
<i>July</i>	7	3	3		1	1	1	1			1	18	2	2	2	2	1		1			28	1	1	1																																				
<i>August</i>	8	2	1	1				2	1	1		16	2	5	2	1	1	1				28	2	1																																					
<i>September</i>	9	9	1	1		1		1		1		23	1	1		1	1					27		2	1																																				
<i>October</i>	10	11				1						22	3	1	1					1		28	2																																						
<i>November</i>	1	4			2		3		1	1	1	13	3	2		2	1		2	1		24	3	1			1																																		
<i>December</i>	5	6	1			1						13	6	1	1	1	2	1			2	27	1			1																																			
<i>Year</i>	69	66	16	9	7	6	6	5	5	3	6	198	30	24	11	14	10	4	7	9	6	313	19	8	9	5	2	2					1	1	2								1	2																	

Means and Extremes Table I for Signy Island, South Orkneys, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES			
		HIGH	DATE	LOW	DATE	0000	0300	0600	0900	1200	1500	1800	2100		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	993.3	1014.7	20th	972.9	6th	33.6	32.9	33.4	34.9	36.7	37.1	36.0	34.5	34.9	39.3	30.0	52	29th, 30th	23	13th
February	986.8	1004.9	14th	955.3	16th	37.8	37.5	37.4	37.9	38.8	38.2	37.5	37.6	37.8	42.1	33.7	<u>55</u>	<u>21st</u>	30	7th, 8th
March	988.3	1015.0	13th	956.8	18th	31.1	30.8	30.8	31.4	31.8	32.0	31.4	31.3	31.3	35.2	27.2	45	20, 21, 22	17	14th
April	987.6	1006.1	14th	955.0	20th	32.1	32.1	32.1	32.5	33.2	32.6	31.7	31.9	32.3	35.8	28.6	45	24th	19	30th
May	993.5	1019.3	18th	965.3	29th	26.8	26.5	26.0	26.7	27.7	27.5	27.1	27.0	26.9	31.6	22.2	41	23rd	<u>-9</u>	<u>31st</u>
June	991.2	1010.9	15th	956.4	29th	18.3	18.2	18.7	19.2	18.9	18.2	17.9	18.0	18.4	24.9	10.7	36	11th	-4	30th
July	992.7	<u>1028.4</u>	<u>31st</u>	<u>952.4</u>	<u>15th</u>	17.6	18.0	20.3	19.6	19.2	19.0	19.0	18.7	18.9	27.4	8.6	36	10th, 20th	<u>-9</u>	<u>30th</u>
August	998.3	1018.6	1st	968.0	13th	22.2	22.2	21.6	21.9	22.5	22.4	21.8	20.8	21.9	26.7	16.6	39	12th	-7	23rd, 25th
September	998.2	1018.1	5th	962.8	19th	26.0	26.0	25.2	25.5	26.4	26.7	26.6	26.9	26.2	31.2	21.3	40	26th	-5	24th
October	995.4	1017.5	23rd	969.7	8th	32.3	31.8	32.0	32.3	32.5	32.9	32.6	32.7	32.4	37.1	29.2	49	21st	22	1st
November	983.9	1001.6	9th	957.6	5th	30.7	30.4	30.9	31.3	31.9	32.0	31.3	30.6	31.1	34.2	28.3	39	5th	24	2, 3, 23
December	989.2	1002.6	31st	964.9	9th	30.2	30.0	30.3	30.9	31.5	31.7	31.3	30.8	30.8	32.9	28.6	38	1st	26	20th, 21st 23rd, 24th
Total	11898.4	12157.7	—	11537.1	—	338.7	336.4	338.7	344.1	351.1	350.3	344.2	340.8	342.9	398.4	285.0	515	—	127	—
Mean	991.5	1013.1	—	961.4	—	28.2	28.0	28.2	28.7	29.3	29.2	28.7	28.4	28.6	33.2	23.7	42.9	—	10.6	—

Means and Extremes Table II for Signy Island, South Orkneys, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0000	0300	0600	0900	1200	1500	1800	2100		0000	0300	0600	0900	1200	1500	1800		2100	REC.					EST.
January	90	90	90	87	84	83	85	87	87	7.4	7.1	7.2	7.2	6.7	6.7	7.5	7.6	7.2	2.6	2.8	18.1	Not recorded	Not recorded	Not recorded
February	89	89	91	92	91	88	89	90	90	7.0	7.3	7.6	7.5	7.2	6.5	6.9	6.7	7.1	2.5	2.7	15.5			
March	86	87	85	84	83	82	81	83	84	7.7	7.8	7.8	7.8	7.7	7.4	7.5	7.6	7.7	0.8	0.9	12.7			
April	86	88	88	88	86	86	89	86	87	7.2	7.5	7.6	7.3	7.0	7.2	7.2	6.9	7.2	1.3	1.3	9.8			
May	90	91	91	91	87	89	92	91	90	6.6	7.3	7.1	6.9	7.2	7.4	7.4	7.0	7.1	0.5	0.5	7.2			
June	84	86	85	84	89	89	87	86	86	6.0	5.8	6.2	5.8	6.2	6.3	6.5	6.1	6.1	0.5	1.2	5.7			
July	84	85	87	87	86	84	83	83	85	5.4	5.6	5.8	5.9	5.8	5.5	5.4	5.1	5.6	1.0	1.3	6.4			
August	88	88	89	86	85	83	84	87	86	6.8	7.1	6.9	6.6	7.2	7.1	6.8	5.9	6.8	1.4	1.5	8.8			
September	84	87	87	86	85	84	81	85	85	6.1	6.4	6.4	6.1	6.0	6.1	5.9	6.2	6.1	2.9	3.1	11.5			
October	89	91	85	86	86	82	87	90	87	6.5	6.2	6.8	6.9	7.0	7.1	6.6	7.2	6.8	2.1	2.3	14.4			
November	90	90	92	87	85	87	89	90	89	7.1	7.2	7.6	7.5	7.2	7.1	7.3	7.4	7.3	2.1	2.1	17.2			
December	90	90	93	89	88	87	89	89	89	7.2	7.3	7.5	7.5	7.3	7.2	7.1	7.2	7.3	1.9	1.9	19.0			
Total	1050	1062	1063	1047	1035	1024	1036	1047	1045	81.0	82.6	84.5	83.0	82.5	81.6	82.1	80.9	82.3	19.6	21.6	146.3			
Mean	87	89	89	87	86	85	86	87	87	6.7	6.9	7.0	6.9	6.9	6.8	6.8	6.7	6.9	1.6	1.8	12.2			

Frequency Table I for Signy Island, South Orkneys, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to 939.9	to 944.9	to 949.9	to 954.9	to 959.9	to 964.9	to 969.9	to 974.9	to 979.9	to 984.9	to 989.9	to 994.9	to 999.9	to 1004.9	to 1009.9	to 1014.9	to 1019.9	to 1024.9	to 1029.9	to 1034.9	to 1039.9
January								4	16	26	61	46	34	24	19	18					
February					5	6	6	5	7	45	75	35	28	12							
March					3	3	6	23	35	29	32	50	22	23	9	12	1				
April					9	5	11	19	15	28	28	46	49	17	13						
May							7	18	22	39	33	12	12	29	43	32	1				
June					5	3	2	4	11	30	46	49	52	15	20	3					
July				2	3	3	6	12	19	28	22	41	37	33	22	7	3	4	6		
August							3	10	14	22	7	24	51	35	33	35	14				
September						2	6	6	10	16	25	16	31	47	38	24	19				
October							1	3	18	21	33	33	50	49	24	10	6				
November					2	7	7	17	29	73	42	38	15	10							
December						1	8	10	10	36	60	44	67	12							
Year				2	27	30	63	131	206	393	464	434	448	306	221	141	44	4	6		

Frequency Table III for Signy Island, South Orkneys, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January								1	2	1		4	13	23	43	45	53	57	6
February											1	1	6	11	28	45	69	52	11
March								1	7	8	15	12	11	25	34	22	41	53	19
April									1	1	1	9	14	15	42	52	52	37	16
May									2	1	6	2	9	13	20	33	52	87	23
June						1	1	2	6		1	6	13	11	23	81	48	43	4
July					3		4	1	5	3	8	11	11	16	37	41	28	60	20
August				1		2	2	1	2	8	11	11	9	8	18	34	37	89	15
September					3	2	3		1	8	13	3	15	15	31	23	43	75	5
October							3	4	4	2	8	15	10	13	10	35	55	73	16
November									1	3	6	9	21	12	14	25	43	79	27
December										3	2	5	9	18	24	40	44	87	16
Totals				1	6	5	13	10	31	38	72	88	141	180	324	476	565	792	178
Mean				—	1	—	1	1	3	3	6	7	12	15	27	40	47	66	15

Frequency Table IV for Signy Island, South Orkneys, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶										LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No Cloud										
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	≥ 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-9 OKTAS														
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	> 6000	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600		600 to 1200	1200 to 2400	2400 to 6000	> 6000						
January	1	2	2	14	14	41	36	55	83	8	16	21	55	141	7	14	(2) 10	(2) 25	(2) 59	(18) 79	(49) 43	(14) 10	7		7	(2) 6	(2) 18	(2) 28	(16) 32	(44) 29	(5) 6							1			
February				5	10		44	52	81	32	5	16	21	51	127	4	11	9	16	(3) 53	(19) 90	(45) 40	(12)	2	1	4	8	13	(3) 27	(17) 31	(38) 24	(8)		1						2	
March		4	1	6	7	5	46	41	52	86	3	5	14	39	179	8	8	10	14	(1) 33	(7) 99	(28) 81	(6)	2	1	8	9	11	(1) 24	(7) 69	(23) 62	(5)		1							
April				6	5	8	45	53	73	50	3	11	12	60	147	7	(1) 11	4	9	39	(6) 105	(21) 61	(11) 8			7	4	9	29	(6) 79	(12) 35	(8)									3
May				10	9	4	45	59	55	66	4	22	23	57	134	8	12	3	11	72	(9) 96	(18) 41	(11) 9		2	10	2	8	57	(6) 63	(10) 15	(11) 3									2
June		1	2	16	11	6	56	37	44	67	21	33	26	53	85	22	26	1	4	48	(8) 100	(9) 36		4	3	10	22	1	4	41	(8) 51	(6) 10		1							8
July		1		13	30	9	40	41	49	65	39	39	28	40	84	18	24	1	13	(1) 42	(6) 79	(11) 40	(6) 10	8	10	21	1	11	30	(5) 42	(10) 10	(4)		2							21
August				6	19	7	44	41	63	68	19	28	31	37	131	2	18	1	9	(2) 67	(12) 88	(18) 41	(8) 5	9	3	4	1	5	(1) 53	(7) 55	(13) 16	(8)		1	1						7
September			2	7	16	1	49	42	60	63	21	29	29	33	116	12	14	1	20	(1) 54	(6) 90	(17) 38	(7) 2	2	3	13		14	(1) 38	(5) 57	(11) 5	(3)									16
October			1	5	6	3	55	70	61	47	7	29	41	37	127	7	10	2	6	(1) 44	(13) 114	(21) 52	(7) 13	2	1	7	1	3	(12) 70	(17) 12	(4) 6										4
November				4	16	17	30	67	56	50	3	12	24	43	152	6	12	(2) 3	(1) 26	(2) 56	(10) 76	(45) 61	(13) 3	3		8	(2) 18	(1) 39	(2) 36	(10) 36	(39) 26	(10) 1									
December			1	9	19	8	30	45	48	88	2	12	23	53	146	12	15	1	16	(2) 56	(1) 56	(32) 93	(7) 9	1		12	1	14	(2) 49	(27) 33	(6) 1		1								1
Total	0	7	9	89	162	82	525	584	697	765	135	252	293	558	1569	113	(1) 175	(4) 46	(3) 169	(15) 623	(115) 1072	(314) 627	(102) 73	39	31	123	(4) 34	(3) 128	(12) 445	(99) 618	(250) 297	(72) 19	6	1						65	
Mean	—	1	1	7	13	7	44	49	58	64	11	21	24	47	131	9	(-) 15	(-) 4	(-) 14	(1) 52	(10) 89	(26) 52	(9) 6	3	3	10	(-) 3	(-) 11	(1) 37	(8) 51	(21) 25	(6) 2	1	—						5	

Frequency Table V for Signy Island, South Orkneys, 1955.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			9 WIND FORCE = 6 ^	10 WIND FORCE = 8 ^	10 18 RAIN	10 SNOW	10 SLEET	10 & 18 DRIZZLE	10 THUNDER	11 CLOUDY	11 CLEAR	12 SNOW LYING	13 GROUND FROST	14 DRIFT	10 & 15 SHOWERS	10 & 16 FOG		10 & 17 HAIL		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm =	>1.0 mm =	>10.0 mm =														True	Pseudo	True	Small	Soft
	>32°F	<5°F	<4°F	>41°F																					
January	4			7				21	1	16	15	4	6						3	3	4	4			2
February	22			14				20	4	23	3	4	13						1		3	3			
March	2			4				18	3	11	23	9	13						8	1	4	5	1		
April	5			4				24	6	15	17	11	10						4	1	2	3			
May	3		1		Not recorded	Not recorded	Not recorded	16	4	6	21	5	10						12		3	3			
June								17	8	2	24	2	5						18	1		7			
July		1	5					20	4		21	2	4		2				23		2	7			
August		3	4					20	6	1	23	4	5		1				19	1	2	2			1
September			1					27	8	1	24	7	7		3				18	1	2	4			1
October	3			5				29	17	12	15	6	7						6	1		4			1
November	3							18	4	7	27	10	5						10	7		5			2
December								13	5	1	27	2	5						8	7		5			
Total	42	4	11	34				243	70	95	240	66	90	0	256	8			130	23	22	52	1	0	7
Mean	3	—	1	3				20	6	8	20	5	7	—	21	1			11	2	2	4	—	—	1

Frequency Table VI for Signy Island, South Orkneys, 1955.

MONTH	2 MEAN WIND SPEED	1 WIND: Number of observations, at all hours, of:—																	
		FORCES (Beaufort)					DIRECTIONS (degrees)												
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	
January	11.5	1	33	90	86	38	5	1	1	13	18	5	7	11	21	78	46	4	
February	15.8	5	65	85	47	22	12	8	4	4	17	8		7	38	95	9		
March	12.5	4	39	101	55	49	2	4	7	7	32	4	6	10	28	51	41	7	
April	17.3	12	65	102	37	24	4	3	4	1	1	2	7	15	41	55	67	16	
May	14.3	14	47	77	49	61	3	2	5	3	5	7	25	18	43	54	17	5	
June	15.0	16	46	92	39	47	1	6	22	3	6	9	22	22	35	20	34	13	
July	12.9	11	52	68	44	73	2	2	4		5	19	2	7	6	16	91	21	
August	15.3	17	66	58	65	42	13	6	10	3	22	28	7	3	5	25	53	31	
September	18.0	25	76	58	39	42	3	8	2	2	5	9	2	5	12	29	82	39	
October	23.8	44	108	66	22	8	7	1	2	1	3		1	5	14	48	94	64	
November	16.1	9	66	82	57	26	13	4	3	4	14	9	7	9	16	17	57	61	
December	11.2	10	32	70	71	65	3	9	25	40	31	5	19	15	25	6	3	2	
Total	183.7	168	695	949	611	497	68	54	89	81	159	105	105	120	253	437	680	272	
Mean	15.3	14	58	79	51	41	6	5	7	7	13	9	9	10	21	36	57	23	

Frequency Tables VII to X for Signy Island, South Orkneys, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				5	2	1		1	2	1	1	1	14
2	2			6	5	3	2	2	4	7			31
3			1	2	6	1	2	3	8	13	4	1	41
4	1			3			2	3	5	31	12	2	59
5	2	1		2				2	2	13	9		31
6							1			10	10		21
7										3	9		12
≥ 8											1		1
Totals	5	1	1	13	18	5	7	11	21	78	46	4	210

CALMS - 38

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				4	4	3				1			12
2					3	2				1	2	1	9
3	2	1	2		2	1			3	6	8	1	26
4	5	2	1		6	2			2	9	17	2	46
5	4				2				1	12	19	1	39
6	1	3	1						1	6	30	3	45
7		2								2	15	1	20
≥ 8										1	4		5
Totals	12	8	4	4	17	8			7	38	95	9	202

CALMS - 22

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			5	1	1		1	3			2	14
2			1	4		1	1		2	1			11
3		2	1	2	2	3	4	5	7	4			30
4	1		1	3	10	1		5	12	16	13		62
5			2	3	5				6	8	14	1	39
6		1			5		1		1	10	5	2	25
7			2		1				2	5	4		14
≥ 8	1							1				2	4
Totals	2	4	7	7	32	4	6	10	28	51	41	7	199

CALMS - 49

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					1	1			1	1		1	5
2	1								2	5	1	2	12
3	1		1						3	7	1		20
4	1	1				1	3	7	6	15	10	3	47
5	1		2				1	4	14	10	20	3	55
6								3	8	7	23	4	45
7		2							4	8	5	1	20
≥ 8			1							2	7	2	12
Totals	4	3	4	1	1	2	7	15	41	55	67	16	216

CALMS - 24

Frequency Tables XI to XIV for Signy Island, South Orkneys, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1										1
2	2		2	1	3	1	3	1	2			1	16
3		1	2		2	2	6	3	5	10	1		32
4	1	1		2		1	8	4	11	13	3		44
5						3	4	2	14	9		1	33
6							2	2	5	8			17
7							2	6	2	11	7	2	30
≥ 8									4	3	6	1	14
Totals	3	2	5	3	5	7	25	18	43	54	17	5	187

CALMS - 61

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1		1	1							3
2	1	1	1			2	3	4	5				17
3		1	2	1		2		4	5	3	1		19
4		2	5	1	1	2	10	7	9	3	6		46
5		2	2	1		2	4	2	9	9	13	2	46
6					1		2	4	4	3	8	5	27
7			5		3		3	1	2	1	2	2	19
≥ 8			6						1	1	4	4	16
Totals	1	6	22	3	6	9	22	22	35	20	34	13	193

CALMS - 47

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1					3			1	1	1		7
2			1		1	4		1	4	4	1		16
3			1		1	1	5	3	1	8	1		21
4	1	2	1		3	3	1	1	3	21	2		35
5			1		1	1		1	2	20	7		33
6					1	4			1	22	7		35
7					1	1			2	11	3		17
≥ 8					3	2			2	4			11
Totals	2	2	4		5	19	2	7	6	16	91	21	175

CALMS - 73

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					6	1	2			1	4		14
2	1	1	1	2	3	5	3	1	4	5	2	1	29
3	2	1			5	5	2			3	4		22
4	1	1	1		3	6		1		3	10	1	27
5	4	1	2		3	5	1			3	5	7	31
6	2		4	1		6			1	4	6	10	34
7	1	1			2					6	16	6	32
≥ 8	2	1	2							6	6	6	17
Totals	13	6	10	3	22	28	7	3	5	25	53	31	206

CALMS - 42

Frequency Tables XV to XVIII for Signy Island, South Orkneys, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1						1				1			2
2	1				2	1			1	3	2	4	14
3					1	3	2	1	6	3	7		23
4			1		2	2		1	2	8	15	2	33
5	1	1		2					1	2	14	4	25
6	1	3				1		2		6	17	6	36
7			1			1		1	2	3	21	11	40
≥ 8		4								3	6	12	25
Totals	3	8	2	2	5	9	2	5	12	29	82	39	198

CALMS - 42

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					1								1
2					2							4	6
3				2			1	1	3	5	3		15
4	1	1		1				4	2	4	15	3	31
5	1								4	8	18	4	35
6	1								2	17	27	12	59
7	3								2	6	14	24	49
≥ 8	1								1	8	13	21	44
Totals	7	1	2	1	3		1	5	14	48	94	64	240

CALMS - 8

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1								1		1	2	1	5
2	1			2	1	1	4			2	2	1	14
3	1	3	1		4	4	3	2	4	4	1	11	38
4	2				2	4		3	4	3	14	5	37
5		1	2	1	4			2	1	3	17	14	45
6	2			1	3			1	2	2	16	14	41
7	4								4	2	5	10	25
≥ 8	3								1			5	9
Totals	13	4	3	4	14	9	7	9	16	17	57	61	214

CALMS - 26

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	1	3	1			1	1	1			9
2		3		2	6	1	5	3	6	1	1		28
3	1	1	4	6	1	2	4	5	4	4	1	1	34
4	2	4	9	5	9	1	4	2	7		1	1	45
5			5	6	2	1	2	3	6				25
6			5	8	5		4	1	1				24
7			1	3	4								8
≥ 8				7	3								10
Totals	3	9	25	40	31	5	19	15	25	6	3	2	183

CALMS - 65

Frequency Table XIX for Signy Island, South Orkneys, 1955.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i> 10	<i>to</i> 40	<i>to</i> 70	<i>to</i> 100	<i>to</i> 130	<i>to</i> 160	<i>to</i> 190	<i>to</i> 220	<i>to</i> 250	<i>to</i> 280	<i>to</i> 310	<i>to</i> 340	
1	2	1	3	12	21	12	3	3	6	11	8	5	87
2	9	5	6	15	30	20	21	13	24	30	19	11	203
3	7	10	17	9	23	23	27	29	52	66	43	15	321
4	16	14	19	12	36	23	27	38	61	108	137	21	512
5	13	6	16	13	18	12	12	16	59	79	149	44	437
6	7	7	10	10	15	11	10	13	25	74	164	63	409
7	8	5	9	3	10	2	5	8	18	49	109	60	286
= > 8	6	6	9	7	6	2			8	20	51	53	168
Totals	68	54	89	81	159	105	105	120	253	437	680	272	2423

CALMS 497.

Means and Extremes Table I for Hope Bay, Grahamland, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹									1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES ¹		
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300	MAX.		MIN.	MAX.	DATE	MIN.	DATE
January	992.3	1007.8	19th	972.8	31st	31.9	33.1	34.7	36.4	37.4	36.5	33.7	32.3	34.5	41.7	28.9	57	20th	18	11th
February	981.9	995.8	14th	970.6	3rd	31.1	31.1	32.7	32.0	33.3	32.9	32.3	31.4	32.2	36.3	28.4	44	19th	19	18th
March	988.6	1011.5	28th	966.0	17th	21.9	21.4	21.3	22.9	23.4	23.4	22.9	22.5	22.5	28.1	17.7	39	2nd, 3rd	9	13th
April	984.3	1011.0	13th	963.8	20th	21.0	21.1	20.5	20.9	20.9	20.2	20.0	20.3	20.6	26.7	13.0	51	15th	-5	28th
May	993.2	1020.5	17th	966.1	7th	15.9	15.9	15.6	17.1	17.2	15.7	16.2	16.6	16.3	22.1	9.6	44	20th	-10	31st
June	990.8	1009.8	5th	967.2	26th	17.8	17.9	17.6	17.5	16.6	15.2	16.0	17.6	17.0	25.4	4.7	43	13th	-13	11th
July	991.0	1021.0	30th	959.0	16th	14.0	14.3	13.2	14.8	16.3	16.8	17.4	17.2	15.5	25.1	5.1	51	28th	-10	16th
August	995.3	1016.2	30th	960.5	4th	15.1	15.2	14.9	15.1	15.3	14.6	14.8	14.6	14.9	24.6	7.2	42	9th	-12	28th
September	993.1	1011.5	4th	955.3	30th	24.6	24.1	24.3	26.3	27.1	26.3	25.3	23.9	25.2	34.9	16.2	50	10th	2	30th
October	984.3	1010.9	22nd	961.1	30th	27.0	26.6	27.5	28.4	29.0	28.1	27.9	28.1	27.8	32.4	21.8	38	7th, 13th	-1	2nd
November	982.1	1001.9	12th	956.6	5th	24.9	25.2	26.3	27.2	27.5	26.9	25.9	25.5	26.2	30.3	21.2	45	8th	12	3rd
December	997.2	1012.0	21st	984.3	2nd	26.5	27.0	28.8	29.7	30.5	29.8	28.0	27.1	28.4	32.5	24.0	40	4th	15	1st
Total	11874.1	12129.9	—	11583.3	—	271.7	272.9	277.4	289.2	294.5	286.4	280.4	277.1	281.1	360.1	197.8	544	—	24	—
Mean	989.5	1010.8	—	965.3	—	22.6	22.7	23.1	24.1	24.5	23.9	23.4	23.1	23.4	30.0	16.5	45.3	—	2.0	—

Means and Extremes Table II for Hope Bay, Grahamland, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE			RAINFALL (mm.) ¹			
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000		2300	REC.					EST.
January	79	78	76	73	72	73	79	81	76	5.0	5.5	5.3	5.8	5.4	5.0	5.6	6.1	5.5	8.3	9.1	19.1	Not recorded	Not recorded	Not recorded
February	87	85	86	88	86	86	88	87	87	6.2	6.4	6.8	7.0	6.9	6.9	6.6	6.1	6.6	3.5	3.9	15.9			
March	81	81	81	80	79	81	79	81	80	6.4	6.9	6.9	6.9	7.1	6.9	6.5	6.0	6.7	2.4	2.7	12.7			
April	82	83	82	83	84	84	84	81	83	6.0	6.1	6.7	6.6	5.8	5.9	5.9	5.7	6.1	2.4	2.5	9.6			
May	84	84	85	83	81	83	83	83	83	4.8	4.8	5.8	5.0	5.0	5.4	5.6	5.3	5.2	1.9	2.0	6.6			
June	84	82	79	79	79	80	80	83	81	5.1	4.1	4.5	4.9	5.4	3.1	4.2	4.0	4.4	1.6	2.7	4.7			
July	86	86	88	88	86	88	88	86	87	4.6	4.6	6.1	6.2	6.6	5.9	6.1	5.1	5.7	0.6	0.6	5.6			
August	87	86	88	88	86	86	86	86	87	5.7	5.5	6.0	6.3	6.4	6.4	6.2	6.9	6.2	1.3	1.4	8.4			
September	77	78	81	77	76	73	71	77	76	3.7	4.1	4.3	4.1	4.6	5.1	3.9	3.7	4.2	5.6	6.1	11.5			
October	90	88	88	87	86	87	85	88	87	4.9	5.6	6.1	6.0	5.8	5.3	5.2	5.7	5.6	5.8	5.8	14.7			
November	87	85	84	85	82	85	85	85	85	6.3	6.3	6.2	6.0	6.3	6.1	6.1	6.3	6.2	4.5	4.8	18.0			
December	81	81	77	76	77	79	81	82	79	6.1	5.9	6.5	6.3	5.9	5.6	5.6	5.1	5.9	5.9	5.9	20.4			
Total	1005	997	995	987	974	985	989	1000	991	64.8	65.8	71.2	71.1	71.2	67.6	67.5	66.0	68.3	43.8	47.5	147.2			
Mean	84	83	83	82	81	82	82	83	83	5.4	5.5	5.9	5.9	5.9	5.6	5.6	5.5	5.7	3.7	4.0	12.3			

Frequency Table I for Hope Bay, Grahamland, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to 939.9	to 944.9	to 949.9	to 954.9	to 959.9	to 964.0	to 969.9	to 974.9	to 979.9	to 984.9	to 989.9	to 994.9	to 999.9	to 1004.9	to 1009.9	to 1014.9	to 1019.9	to 1024.9	to 1029.9	to 1034.9	to 1039.9
January								9	9	11	60	69	52	21	17						
February									44	45	67	34	28	6							
March										13	16	26	31	51	43	27	24	13	4		
April						5		17	13	31	70	58	20	9	6	6	5				
May								10	12	25	26	37	39	12	24	30	25	6	2		
June								4	12	31	28	28	43	40	31	23					
July					1			4	4	12	23	42	40	28	36	32	11	6	4	5	
August						4		4	11	13	13	20	26	17	23	46	45	27	3		
September					6			7	5	2	10	21	39	30	33	40	42	5			
October						6		11	40	36	40	40	36	25	6	6	2				
November					3			5	13	12	32	33	93	34	12	3					
December											6	29	38	92	65	13	5				
Year					10	31	88	185	281	395	535	425	367	298	206	79	13	7			

Frequency Table III for Hope Bay, Grahamland, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :- 1 & 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	to 19	to 24	to 29	to 34	to 39	to 44	to 49	to 54	to 59	to 64	to 69	to 74	to 79	to 84	to 89	to 94	to 99	100
January					1	5	5	1	7	11	10	25	32	31	47	35	18	18	2
February					1		1	1	2	3	4	10	12	16	27	42	33	43	29
March								2	2	1	4	17	36	51	57	40	23	11	4
April							1	1	1	1	3	8	27	42	51	44	33	26	2
May									1		4	5	29	35	64	58	16	34	2
June								1	2	8	10	12	32	27	57	37	36	17	1
July					1						2	5	10	16	63	54	52	32	13
August									3	1	5	7	11	22	48	52	39	52	8
September			1		2	9	4	12	12	16	7	15	16	11	33	32	31	36	3
October					1		2	2	5	4	3	4	9	8	35	44	56	67	8
November		1	1				2	1	3	6	7	9	19	27	13	48	48	34	21
December							1	1	4	8	18	21	42	23	29	49	27	17	8
Totals		1	2		6	14	16	22	42	59	77	138	275	309	524	535	412	387	101
Mean		—	—		1	1	1	2	3	5	6	11	23	26	44	45	34	32	8

Frequency Table IV for Hope Bay, Grahamland, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY										LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS (metres)															No Cloud					
	<40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	>40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS									
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	= > 6000	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600		600 to 1200	1200 to 2400	2400 to 6000	= > 6000	
January		1	1	5	15	9	22	36	50	109	29	90	45	35	40	9	9	1	5	(2) 43	(7) 90	(33) 62	(19) 9	11	12	9		4	10	(2) 13	(6) 17	(17) 5	(5) 1		1	6
February		7	9	6	26	16	54	38	47	21	3	46	35	25	90	25	25	1	4	68	(11) 53	(27) 65	(8) 5	1		25	1	4	45	(10) 23	(12) 12	(2) 1		2	2	
March			4	16	9	17	37	34	80	51	4	50	39	32	108	15	15			(2) 64	(7) 65	(21) 90	(4) 10	1	1	15		(1) 45	(3) 32	(3) 24	(4) 1			2		
April	16	12	4	16	14	24	38	40	39	37	24	54	32	13	71	46	46	2	2	(2) 57	(6) 50	(7) 54	(3) 5	9	5	46	2	2	36	(1) 20	(3) 10	(3) 10			10	
May	1	7	3	19	14	9	21	43	79	52	66	55	36	12	48	31	31	1	1	(4) 28	(5) 49	(6) 55	(21) 17	36	10	31	1	1	15	(4) 10	(4) 14	(3) 3	3	3	20	
June		2		5	4	10	32	75	30	82	73	52	45	18	48	4	4			(5) 28	(6) 42	(6) 75	(2) 18	27	13	4		19	(1) 11	(2) 16	(2) 6	1	1	33		
July		4	7	16	15	19	62	38	41	46	32	59	44	25	69	19	19			(2) 37	(7) 69	(3) 87	(2) 4	3	6	19		25	(3) 32	(3) 18	(1) 1		1	23		
August	8	11	12	41	14	16	59	37	30	20	30	35	38	23	64	58	58	1	10	(7) 51	(3) 55	(2) 38	(2) 5	13	3	58	1	9	22	(3) 30	(3) 6	(1) 1			14	
September	1	7	1	6	9	17	22	43	52	82	73	76	31	13	42	5	5	8	1	(1) 20	(4) 63	(2) 63	(2) 7	15	27	5	1	1	16	(1) 20	(2) 8		1	2	31	
October		2		4	9	24	41	86	32	50	23	73	52	29	64	7	7		5	(2) 60	(3) 79	(2) 70	(2) 4	14	2	7		4	23	(1) 13	(1) 10		4		7	
November	1	5		7	10	5	14	40	41	117	10	55	36	37	90	12	12			(7) 37	(17) 65	(5) 106	(5) 10	1	3	12		26	(4) 38	(15) 44	(1) 3		2	6		
December					2	4	7	16	41	178	6	66	44	66	66					(17) 10	(24) 33	(18) 174	22	6			1	2	(1) 6	15	71	14				
Total	27	58	41	141	141	170	409	526	562	845	373	711	477	328	800	231	231	15	30	(27) 503	(84) 713	(150) 939	(66) 116	137	82	231	7	27	(6) 288	(40) 257	(77) 238	(18) 29	9	7	154	
Mean	2	5	3	12	12	14	34	44	47	70	31	59	40	27	67	19	19	1	3	(2) 42	(7) 59	(13) 78	(5) 10	11	7	19	1	2	(1) 24	(3) 21	(6) 20	(1) 2	1	1	13	

Frequency Table V for Hope Bay, Grahamland, 1955.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	10 & 18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16 FOG		10 & 17 HAIL		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE ⁶ \wedge	WIND FORCE ⁸ \wedge	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft
	>32°F	<5°F	<-4°F	>41°F	=	=	=																		
January	6			18				7		2	9	1	2		28				5	1	8	1			
February	4			2				14	4	8	17	9	6		18	1			10	1	9	5			1
March	1							19	3	3	25	2	3		19				15		3	8			9
April		1	1	2				20	10	2	24	3	4		15				19		2	12			2
May		1	3	3				9	5		20	2	1		15	3			12	1	6	8			1
June		1	4	1				18	7	1	16	1	2		4	2			16			3			
July		4	5	1				20	15	11	22	4	1		17				22	2		12			1
August		4	6					21	15	1	27	2		16	2				25		5	20			
September				3				20	9		11			7	8				14		3	4			
October	1							22	11	1	25	4	2		11	1			25	9	1	4			4
November				1				21	2		25	1		18	1				20	8		5			2
December								6	1		9	2	2	15	1				4						1
Total	12	11	19	31				197	82	29	230	31	23	0	183	19			187	22	37	82	9	0	21
Mean	1	1	2	3				16	7	2	19	3	2	—	15	2			16	2	3	7	—	—	2

Frequency Table VI for Hope Bay, Grahamland, 1955.

MONTH	² MEAN WIND SPEED	WIND : Number of observations, at all hours, of :— ¹																	
		FORCES (Beaufort)					DIRECTIONS (degrees)												
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	
January	9.5		20	79	95	54	17	21	4	7	1	6	48	21	29	24	8	8	
February	12.7	13	30	73	75	33	33	13	7	1	1	5	23	21	19	35	15	18	
March	13.5	8	38	92	82	28	20	4	3	5	4	8	23	50	53	21	13	16	
April	19.5	41	44	76	61	18	9	4	3	2	5	14	28	57	53	28	10	9	
May	10.3	15	20	52	84	77	17	11	1	5	8	13	28	34	35	10	4	5	
June	11.7	14	48	73	58	47	18	5	3	1	6	9	35	31	31	27	12	15	
July	16.7	31	35	101	57	24	20	12	3	3	4	7	21	31	39	52	22	10	
*August	20.2	38	57	73	34	21	22	7	5	1	4	5	14	31	48	36	20	9	
September	14.5	13	44	88	70	25	10	8	1	7	8	20	22	19	33	56	21	10	
October	18.5	23	72	96	52	5	29	8	5	6	2	5	6	18	24	60	43	37	
November	17.2	6	58	120	45	11	5	12	6	4	1	7	30	59	51	33	14	7	
December	9.3	3	27	50	120	48	7	2	4	10	8	8	20	54	39	23	14	11	
Total	173.6	205	493	973	833	391	207	107	45	52	52	107	298	426	454	405	196	155	
Mean	14.5	17	41	81	69	33	17	9	4	4	4	9	25	35	38	34	16	13	

* 223 observations only in August.

Frequency Tables VII to X for Hope Bay, Grahamland, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 180	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2	1		3		2	6	1					15
2	5	4	1	1			5	2			1	2	21
3	5	9	1	3	1	4	21	5	5	4		1	59
4	2	6	2				12	5	9	8	4	4	52
5	2	1					4	4	4	9	2	1	27
6	1						2	8	2	1			14
7							2	3	1				6
≥ 8													
Totals	17	21	4	7	1	6	48	21	29	24	8	8	194

CALMS - 54

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1	1		1	4	1						10
2	3	4	3	1			5	3	4	4	3	4	34
3	11	2	1			1	1	2	1	7	2	3	31
4	16	4					6	3	3	8	4	6	50
5	2	2	2				5	4	1	2	3	2	23
6							4	7	2	7	2	3	25
7							1	2	1	1			5
≥ 8								7	6				13
Totals	33	13	7	1	1	5	23	21	19	35	15	18	191

CALMS - 33

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			1	3	2	1	1		6	3	2		19
2	3			1	2	2	1		3	2	1	1	16
3	8		2	1		2	10	4	7	5	5	3	47
4	4	3				2	7	14	12	4	2	6	54
5	2					1	1	14	10	4	1	5	38
6	2	1					2	7	3	1	2	1	19
7	1						1	6	9	2			19
≥ 8								5	3				8
Totals	20	4	3	5	4	8	23	50	53	21	13	16	220

CALMS - 28

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1						1	1	2	2				6
2		2		1	2	4	2	5		1			17
3	3			2	1	5	14	3	6	1	1	1	38
4	3	1			2	2	8	14	7	5	3	2	47
5	3	1	1			2	1	6	3	8	2	2	29
6								8	3	5	1	2	19
7							2	7	7	5	2	2	25
≥ 8								12	25	3	1		41
Totals	9	4	3	2	5	14	28	57	53	28	10	9	222

CALMS - 18

Frequency Tables XI to XIV for Hope Bay, Grahamland, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1				4	1	3	2	2	1	1		15
2	1	2		3	2	4	9	3	6	2	1	1	34
3	6	4	1		1	5	8	3	4	1	1	1	35
4	7	4		1		1	6	6	3	2		3	33
5	2	1		1	1	1	2	4	3	4			19
6						1		6	6		1		14
7								2	4				6
≥ 8								8	7				15
Totals	17	11	1	5	8	13	28	34	35	10	4	5	171

CALMS - 77

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1			2				2	2	2				8
2	1				5	2	6	3	6	4			27
3	2	1		1	1	4	7	3	1	1	2		23
4	9	4					8	5	9	4	2	5	46
5	4		1			1	6	3	4	2	2	4	27
6	2						5	10	4	4	2	5	32
7							1	4	2	6	2	1	16
≥ 8								1	5	6	2		14
Totals	18	5	3	1	6	9	35	31	31	27	12	15	193

CALMS - 47

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1				1			2				5
2	1	1	2		1	3	7	1	3	5	2	1	27
3	2	1			2	1	5	2	3	5	2	2	25
4	7	7	1	3	1		5	5	11	9	5	4	58
5	4	2				2	3	4	9	8	8	3	43
6	1						1	5	1	4	4		16
7	2							4	4	9			19
≥ 8	2							10	6	12	1		31
Totals	20	12	3	3	4	7	21	31	39	52	22	10	224

CALMS - 24

† TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1		1										2
2			2		1		4	1	2		1		11
3	4	2	1		1	4	4	2		3			21
4	7	5			1	1	5	6	5	3	5	3	41
5	8		1	1	1		1	3	7	5	3	2	32
6	1							6	6	8	2	3	26
7	1							2	12	13	2	1	31
≥ 8								11	16	4	7		38
Totals	22	7	5	1	4	5	14	31	48	36	20	9	202

CALMS - 21

† 223 observations only.

Frequency Tables XV to XVIII for Hope Bay, Grahamland, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	60 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		4	2	2	4	1		3	1		18
2	1	1		1	2	6	5	2		4	2	2	26
3					3	5	6	2		6	4		26
4	6	5		2	1	5	6	8	7	7	4	2	53
5	3	1	1			2	1	3	6	9	5	4	35
6								3	7	12		1	23
7									4	12	4	1	21
≥ 8									9	3	1		13
Totals	10	8	1	7	8	20	22	19	33	56	21	10	215

CALMS - 25

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1		1	2		1		1	2				8
2	3		1	2	1	1	2	5	3				18
3	3	1	1	2	1	2	3	1	1	1	5	5	26
4	9	4	2				1	1	3	15	8	8	51
5	5	2				1		4	4	8	9	12	45
6	5	1						2	5	22	10	9	54
7	2							1	2	3	8	2	18
≥ 8	1							3	4	11	3	1	23
Totals	29	8	5	6	2	5	6	18	24	60	43	37	243

CALMS - 5

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		1		1							3
2			3	1	1		1	1					7
3	2	3	3	2	1	2	5	6	7	2		2	35
4		8			2	8	11	11	7	6	1		54
5	2				1	10	24	11	11	5	2		66
6	1					7	7	14	9	2	2		42
7							6	5	4	1			16
≥ 8							4	2					6
Totals	5	12	6	4	1	7	30	59	51	33	14	7	229

CALMS - 11

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			2	2	4	2	1	2	5		4	23
2	3		1	3	2	1	5	7	3	6	5	3	39
3	2	2	1	3	3	1	8	14	6	7	8	3	58
4	1		2	2	1		5	13	6	3	1	1	35
5								6	9				15
6						2		12	6	1			21
7								1	5				6
≥ 8								2	1				3
Totals	7	2	4	10	8	8	20	54	39	23	14	11	200

CALMS - 48

Frequency Table XIX for Hope Bay, Grahamland, 1955.

BEAUFORT FORCE	* WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	
	10	40	70	100	130	160	190	220	250	280	310	340	
1	8	5	6	15	11	20	20	10	16	12	5	4	132
2	21	14	13	14	18	24	51	33	31	28	16	14	277
3	48	25	13	13	15	36	92	47	41	43	30	21	424
4	71	51	7	8	6	13	77	91	86	75	44	45	574
5	37	10	6	2	2	11	34	79	71	70	40	37	399
6	13	2				3	19	75	65	75	27	26	305
7	6						5	37	58	56	19	7	188
≥ 8	3							54	86	46	15	1	205
Totals	207	107	45	52	52	107	298	426	454	405	196	155	2504

• 223 observations only in August.

CALMS 391.

Means and Extremes Table I for Admiralty Bay, South Shetlands, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	993.5	1013.1	19th	975.1	31st	35.7	37.8	36.7	36.8	39.4	38.6	37.1	35.9	37.3	41.6	33.1	<u>49</u>	<u>19th</u>	27	10th
February	982.5	997.7	7th	966.7	3rd	36.3	36.4	37.2	38.4	38.3	38.1	37.1	36.5	37.3	40.6	34.3	44	2nd, 4th	16	28th
March	987.9	1010.6	28th	964.9	17th	31.2	31.1	31.4	32.3	32.6	31.9	31.3	31.6	31.7	35.5	27.7	42	20th	12	13th
April	983.9	1010.3	13th	959.7	19th	30.2	30.0	30.0	30.6	30.5	30.6	30.4	30.2	30.3	34.2	25.9	40	7th	12	27th
May	993.3	1021.7	17th	963.6	28th	29.2	28.7	28.3	28.5	29.1	28.9	28.3	29.1	28.8	33.8	23.1	44	15th	9	31st
June	992.5	1008.5	15th	971.1	25th	25.1	25.1	25.4	25.2	25.1	25.2	25.5	25.4	25.3	29.0	19.6	36	14th, 15th	8	6th, 7th
July	992.0	<u>1023.0</u>	<u>30th</u>	965.4	10th	24.8	24.0	23.6	24.4	25.4	25.6	25.7	25.2	24.8	28.9	19.1	35	29th	<u>5</u>	<u>12th</u>
August	995.5	1014.2	30th	969.8	8th	23.8	23.7	23.5	24.2	24.2	24.1	24.1	24.0	23.9	28.1	19.4	39	14th	6	24th
September	996.8	1014.1	5th	<u>956.1</u>	<u>30th</u>	28.3	28.3	28.5	29.5	30.0	29.4	29.1	28.6	29.0	32.9	25.1	39	25th	16	17th, 23rd
October	987.5	1013.8	22nd	963.8	29th	30.0	30.1	30.3	30.7	31.2	30.8	30.2	30.3	30.5	33.3	24.2	38	14th, 17th	19	12th
November	984.3	1003.6	12th	958.3	5th	28.7	28.6	29.2	29.9	30.3	29.7	29.2	28.9	29.3	32.7	26.6	40	8th	21	6th
December	996.8	1010.1	31st	982.9	1st	28.9	29.6	31.1	32.1	32.7	31.7	30.9	29.7	30.8	32.3	28.0	39	20th, 28th	24	3, 20, 21
Total	11886.5	12140.7	—	11597.4	—	352.2	353.4	355.2	362.6	368.8	364.6	358.9	355.4	359.0	402.9	306.1	485	—	175	—
Mean	990.5	1011.7	—	966.5	—	29.3	29.5	29.6	30.2	30.7	30.4	29.9	29.6	29.9	33.6	25.5	40.4	—	14.6	—

Means and Extremes Table II for Admiralty Bay, South Shetlands, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹		
	MEAN AT ¹								1-2 DAILY	MEAN AT								1-2 DAILY	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE
	0200	0500	0800	1100	1400	1700	2000	2300	MEAN.	0200	0500	0800	1100	1400	1700	2000	2300	MEAN	REC.	EST.				
January	84	84	83	79	75	77	81	83	81	7.0	7.0	7.1	6.6	6.4	6.4	6.2	6.1	6.6	4.9	5.1	18.3	69.2	12.7	6th
February	88	87	87	85	85	84	86	87	86	6.3	6.8	7.2	7.1	7.0	7.0	6.7	6.5	6.8	3.4	3.4	15.7	115.6	19.5	17th
March	87	87	85	84	84	87	85	82	85	7.3	7.2	7.3	7.3	7.4	7.0	7.0	7.1	7.2	1.7	1.7	12.7			
April	86	87	85	86	86	85	86	86	86	6.9	7.1	7.3	7.1	7.3	7.5	6.7	6.6	7.1	1.1	1.1	9.7			
May	84	87	86	85	83	86	86	82	85	6.6	6.2	6.8	7.0	7.1	6.6	6.1	6.1	6.6	0.3	0.4	6.9			
June	85	84	84	83	83	83	84	83	84	5.6	6.0	6.4	7.0	6.6	5.9	6.0	5.7	6.1	0.0	0.7	5.3			
July	86	85	85	80	85	86	86	88	85	6.4	5.7	6.4	6.1	7.1	6.6	7.2	6.8	6.5	0.2	0.4	6.1			
August	87	85	86	83	86	87	85	86	86	7.7	6.9	6.9	7.3	7.4	7.5	7.1	7.4	7.3	0.4	0.5	8.6			
September	88	87	87	85	85	87	88	87	87	6.1	6.0	6.1	6.3	6.3	6.6	6.5	6.2	6.3	3.5	3.7	11.5			
October	90	88	91	90	88	88	89	90	89	6.9	7.1	7.4	6.6	6.6	6.8	7.1	7.3	7.0	3.9	3.9	14.5			
November	90	89	86	86	87	88	91	88	88	7.4	7.6	7.4	7.0	7.2	7.4	7.6	7.4	7.4	2.6	2.6	17.5			
December	86	85	84	83	83	85	82	86	84	6.9	7.0	7.4	7.3	6.6	7.3	6.9	7.0	7.1	3.9	3.9	19.5			
Total	1041	1035	1029	1009	1010	1023	1029	1028	1026	81.1	80.6	83.7	82.7	83.0	82.6	81.1	80.2	82.0	25.9	27.4	146.3			
Mean	87	86	86	84	84	85	86	86	85	6.8	6.7	7.0	6.9	6.9	6.9	6.8	6.7	6.8	2.2	2.3	12.2			

Frequency Table I for Admiralty Bay, South Shetlands, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. J																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	939.9	944.9	949.9	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9
January									21	22	34	71	46	24	17	13					
February							14	21	22	55	63	42	7								
March						2	14	20	28	39	48	32	22	24	15	4					
April					1	8	14	26	42	45	32	37	15	7	11	2					
May						3	7	8	25	34	36	38	15	13	26	27	11	5			
June								7	34	28	18	32	68	24	29						
July							9	15	34	30	29	29	21	38	16	13	8	6			
August							1	11	24	21	18	24	49	44	28	28					
September					3		9	7	1	28	28	19	21	29	70	25					
October						2	9	19	30	58	26	38	34	20	6	6					
November					2	5	9	13	29	61	67	34	13	7							
December										15	27	33	101	47	22	3					
Year					6	20	86	147	290	436	426	429	412	277	240	121	19	11			

Frequency Table III for Admiralty Bay, South Shetlands, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January										5	9	17	23	52	56	45	22	17	2
February											2	6	18	26	41	44	38	40	9
March											2	12	19	34	30	49	56	40	6
April											1	8	15	26	54	47	50	29	10
May				2	2	2	1		2		2	4	8	26	59	56	44	31	9
June										1	3	12	23	40	43	39	34	32	13
July									1		3	13	22	25	36	48	48	49	3
August										3	4	12	13	29	43	43	48	46	7
September								1	1			5	13	28	47	46	42	44	13
October					1					1		3	15	26	24	34	45	76	23
November											1	3	12	31	31	39	48	67	8
December										1		1	9	53	54	65	45	16	4
Totals				2	3	2	1	1	4	11	27	96	190	396	518	555	520	487	107
Mean				—	—	—	—	—	—	1	2	8	16	33	43	46	43	41	9

Frequency Table IV for Admiralty Bay, South Shetlands, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁰									LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS (metres) ⁷														No CLOUD						
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	> 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS								7-8 OKTAS											
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	= >	0 to 30	30 to 60	60 to 120	120 to 300		300 to 600	600 to 1200	1200 to 2400	2400 to 6000	= >	
January				1	3	10	54	72	108	8	32	38	100	70				2	33	(45) 156	(58) 49	(4)	7	1						12	(37) 31	(36) 17	(2)	1		
February				1	5	1	36	58	86	37	4	14	27	94	85		3	53	(52) 143	(22) 20	(3)	2	1				3	(1) 18	(36) 47	(10) 3	(1)					
March		2	6	5	2	12	52	85	33	51	3	10	27	82	117	9	9	1	75	110	(44) 50	(45)	(1)	3		9		30	37	(42) 25	(33)					
April	1	1	18	13	1	9	35	82	50	30		11	33	67	89	40	40		53	(29) 87	(29) 57	(4) 2			40			17	(25) 37	(22) 20	(3) 1					
May		1	2	1		9	35	97	77	26	23	10	38	60	106	11	11		65	(45) 96	(27) 51	(3) 2	11		11			12	(35) 50	(20) 20	(1)	2				
June					2	11	49	115	49	13	14	17	38	68	90	13	13		43	(30) 116	(10) 53	(1)			13			14	(24) 61	(10) 24						
July		1				2	11	49	115	49	13	14	38	68	90	13	13		72	(29) 97	(9) 36	(1)	4		30		30	(26) 47	(7) 10	(1)	4					
August		2	20	3	4	10	34	106	60	9	13	12	47	43	103	30	30		(51) 99	(17) 101	(9) 15	(2) 2			30			(44) 31	(15) 59	(7) 11	(2) 2					
September																			80	(54) 106	(4) 23	(3) 1	12		13			31	(41) 37	(2) 9	(2) 1					
October																			98	(56) 93	(6) 20	(3) 3			39			31	(38) 49	(6) 5	3					
November																			115	(67) 69	(21) 28	(4)			27		1	45	(61) 33	(15) 21	(1)					
December																			54	(39) 141	(9) 49	(6) 3						13	(38) 96	(6) 28	(6) 3					
Total	1	9	75	44	69	102	405	1046	802	367	84	166	373	891	1194	212	212	1	82	(54) 870	(507) 1255	(249) 401	(31) 15	39	2	212	0	34	(45) 291	(421) 572	(174) 168	(19) 11	7	0	43	
Mean	-	1	6	4	6	9	34	87	67	31	7	14	31	74	99	18	18	-	7	(5) 73	(42) 105	(21) 33	(3) 1	3	-	18	-	3	(4) 24	(35) 48	(75) 14	(2) 1	1	-	4	

Frequency Table V for Admiralty Bay, South Shetlands, 1955.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			0	0	10 & 18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16 FOG		10 & 17 HAIL		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE 6	WIND FORCE 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft
	>32°F	<5°F	<4°F	>41°F	=	=	=																		
January	16			17				2	1	12	9	3	12		22					1		1			2
February	21			10				15	3	21	8	5	14		23				2	8		1		2	
March	9			1				11	3	11	23	9	8		26				9	2	1	6			3
April	7							20	4	12	21	8	6		23				11			6			
May	2			2	Not recorded	Not recorded	Not recorded	15	4	9	17	4	3		21	1	Not recorded	Not recorded	12			3			
June					Not recorded	Not recorded	Not recorded	15	6		23		3		16	1		Not recorded	20			1			1
July					Not recorded	Not recorded	Not recorded	21	6		24	1	3		23			Not recorded	24			8			
August					Not recorded	Not recorded	Not recorded	22	8		25	3	3		26			Not recorded	28			6			
September					Not recorded	Not recorded	Not recorded	16	4		7	2	6		17			Not recorded	15		1	1			
October	2				Not recorded	Not recorded	Not recorded	27	13		30	2	4		24			Not recorded	28			14			
November					Not recorded	Not recorded	Not recorded	20	1		24	4	6		26			Not recorded	19			8			
December					Not recorded	Not recorded	Not recorded	7	1		13		3		22			Not recorded	3						
Total	57	0	0	30				191	51	65	224	41	71	0	269	2			171	11	2	55	0	2	6
Mean	5	—	—	3				16	5	5	19	3	6	—	22	—			14	1	—	5	—	—	1

Frequency Table VI for Admiralty Bay, South Shetlands, 1955.

MONTH	² MEAN WIND SPEED	WIND : Number of observations, at all hours, of :- ¹																	
		FORCES (Beaufort)					DIRECTIONS (degrees)												
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	
January	8.8	2	6	73	140	27	50	31	6	25	6	4	7	7	20	22	29	14	
February	13.0	3	29	95	77	20	39	56	8	14	2	9	11	3	13	22	18	9	
March	12.0	6	27	92	98	25	41	28	13	56	9	10	4	1	11	26	14	10	
April	14.9	9	54	78	75	24	28	51	9	31	11	7	6	5	15	27	18	8	
May	12.5	6	30	91	85	36	26	26	9	38	9	3	6	11	9	34	24	17	
June	14.2	11	38	102	62	27	30	25	3	14	17	8	8	6	18	45	24	15	
July	15.6	14	51	88	77	18	20	25	17	39	9	2	4	5	18	40	36	15	
August	17.6	14	70	95	47	22	35	53	11	32	33	3		2	14	26	13	4	
September	14.3	12	45	77	78	28	28	18	11	3	4	1	6	14	22	65	19	21	
October	20.7	24	87	92	40	5	50	24	4	3	3		2	1	9	41	54	52	
November	17.1	5	66	104	58	7	18	21	12	33	27	16	1	13	12	23	37	20	
December	10.5	1	9	119	87	32	10	5	9	56	36	20	20	14	18	15	6	7	
Total	171.2	107	512	1106	924	271	375	363	112	344	166	83	75	82	179	386	292	192	
Mean	14.3	9	43	92	77	23	31	30	9	29	14	7	6	7	15	32	24	16	

Frequency Tables VII to X for Admiralty Bay, South Shetlands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3	2	2	6			3	3	2	5	5		31
2	6	1	2	4	3	1	1		7	2	9	1	37
3	22	6	1	2		3	3	4	7	10	7	7	72
4	13	12	1	10	3				4	4	6	4	57
5	5	6		1						1	2	1	16
6	.	1		2								1	4
7	1	1											2
≥ 8		2											2
Totals	50	31	6	25	6	4	7	7	20	22	29	14	221

CALMS - 27

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2	1	1			1	1		1			1	8
2	3	1	3	2		2	1	2	2	2	2	2	22
3	13	5	3	4		2	4		2	6	3	5	47
4	8	11	1	4	1	3	4	1	8	6	10		57
5	10	15		3		1	1			5	2	1	38
6		12			1					2	1		16
7	3	8		1						1			13
≥ 8		3											3
Totals	39	56	8	14	2	9	11	3	13	22	18	9	204

CALMS - 20

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	4	3	4	1	1	1			2			1	17
2	3	3	1	3	1	3	1		1	4	3	4	27
3	7	4	2	13	2	3	3	1	5	6	7	1	54
4	11	4	5	11	2	3			3	10	3	2	54
5	7	4	1	16	3					4	1	2	38
6	5	2		12									19
7	2	4							2				8
≥ 8	2	4											6
Totals	41	28	13	56	9	10	4	1	11	26	14	10	223

CALMS - 25

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	5	5	3	1		1	1		3	3	2		24
2	1	2	1						1	1	2	2	10
3	10	3	2	2		1	1	4	2	6	7	3	41
4	5	10	1	3	5	4		1	3	4	2	2	40
5	3	9		6	3	1			5	8	3		38
6	2	10	1	6	3				1	2	1	1	27
7	2	9	1	7			4			3	1		27
≥ 8		3		6									9
Totals	28	51	9	31	11	7	6	5	15	27	18	8	216

CALMS - 24

Frequency Tables XI to XIV for Admiralty Bay, South Shetlands 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1	2		1		1			3	2	1	11
2	3	3	1			1		3	2	3	4	1	21
3	6	4	3	4	3	2	4	5	5	5	8	4	53
4	9	2	2	13	4		1	2	2	5	8	4	52
5	4	6	1	15				1		4	1	7	39
6	3	1		5	1					6	1		17
7		7		1						5			13
≥ 8	1	2								3			6
Totals	26	26	9	38	9	3	6	11	9	34	24	17	212

CALMS - 36

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2	2		1	1				1	1	2	1	11
2	2	2		1	1	3		2	2	3	1	4	21
3	4		1	3	5	1	3		2	4	3	4	30
4	10	3		3	6	1	2	3	5	12	6	4	55
5	4	5	2	6	4	3			4	13	6		47
6	2	7						1	3	9	3		25
7	2	4					3		1	2		1	13
≥ 8	4	2								1	3	1	11
Totals	30	25	3	14	17	8	8	6	18	45	24	15	213

CALMS - 27

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3	1		1	1				1	2	4		13
2	3	3						1	3	2	3		15
3	3	2	5	7	5	1	2	2	4	5	8	5	49
4	4	2	6	14	2	1	1	1	3	9	5	5	53
5	5	5		4				1	2	5	9	4	35
6	2	7	4	6	1		1		3	6	4	1	35
7		2	1	6						4	3		16
≥ 8		3	1	1					2	7			14
Totals	20	25	17	39	9	2	4	5	18	40	36	15	230

CALMS - 18

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3			1						2			6
2	1	2	1	2	2	3			2	1		1	15
3	6	4		3	3			2	2	3	1	2	26
4	7	10	4	5	4				7	5	1		43
5	8	10	4	8	11				1	3	6	1	52
6	7	11	2	6	11				1	4	1		43
7	2	9		5	2				1	5	3		27
≥ 8	1	7		2						3	1		14
Totals	35	53	11	32	33	3		2	14	26	13	4	226

CALMS - 22

Frequency Tables XV to XVIII for Admiralty Bay, South Shetlands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1	2	1	2		1	1	1	2	3		15
2	3	1		1			1		4	3	2		15
3	6	4	4	2		1	1	5	6	8	4	7	48
4	9	2					2	7	3	11	3	10	47
5	4	2	3		1		1		5	7	3	4	30
6	3	2	1					1	3	16			26
7	2	5	1							10	1		19
≥ 8		1								8	3		12
Totals	28	18	11	3	4	1	6	14	22	65	19	21	212

CALMS - 28

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1										1		1	2
2	1							1	1	1	3	2	9
3	7	1	1	1	1		2		1	6	4	5	29
4	10	5	2		1				4	6	11	9	48
5	10	4	1	2	1				1	4	10	11	44
6	9	5							1	11	10	12	48
7	7	4							1	10	13	4	39
≥ 8	6	5								2	3	8	24
Totals	50	24	4	3	3		2	1	9	41	54	52	243

CALMS - 5

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1										1	1	3
2	2			1	1	1			1	1	3	2	12
3	6	1	1	4	4	6		1	2	4	8	6	43
4	3	6	5	5	8	5		4	1	2	4	4	47
5	5	4	4	8	12	3	1	2	4	6	6	2	57
6		5	2	9	2	1			4	9	9	4	45
7	1	4		6				3		1	5	1	21
≥ 8		1						3			1		5
Totals	18	21	12	33	27	16	1	13	12	23	37	20	233

CALMS - 7

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	4			1		2	1	2	1	2	1		14
2	2	2	1	4	3	3	7	1	1	3	1	1	29
3		2	3	7	7	1	4	4	5	3	3	5	44
4	1	1	5	26	17	7	3	7	10	6	1	1	85
5	2			14	6	6	4		1	1			34
6				2	3	1	1						7
7	1			1									2
≥ 8				1									1
Totals	10	5	9	56	36	20	20	14	18	15	6	7	216

CALMS - 32

Frequency Table XIX for Admiralty Bay, South Shetlands, 1955.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	to 10	to 40	to 70	to 100	to 130	to 160	to 190	to 220	to 250	to 280	to 310	to 340	
1	28	16	14	13	6	5	8	6	12	21	20	6	155
2	30	20	10	17	12	17	11	10	27	26	33	20	233
3	90	36	26	52	30	21	27	28	43	66	63	54	536
4	90	68	32	94	53	24	13	26	53	80	60	45	638
5	67	70	16	83	41	14	7	4	23	61	49	33	468
6	33	63	10	48	22	2	2	2	16	65	30	19	312
7	23	57	3	27	2		7	3	3	43	26	6	200
=> 8	14	33	1	10				3	2	24	11	9	107
Totals	375	363	112	344	166	83	75	82	179	386	292	192	2649

CALMS 271.

Means and Extremes Table I for Deception Island, South Shetlands, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN DAILY ¹		EXTREMES ¹			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	993.1	1012.5	19th	974.0	31st	34.9	35.8	37.2	39.7	40.0	38.8	36.9	35.4	37.3	42.8	33.4	<u>52</u>	<u>19th</u>	26	10th
February	981.3	996.9	8th	963.0	3rd	36.0	36.1	37.2	38.8	38.9	36.7	38.8	35.6	37.3	40.5	34.9	45	2nd, 16th	28	28th
March	986.9	1010.2	28th	962.4	17th	31.6	31.5	32.0	33.0	33.2	32.7	32.1	31.8	32.2	35.7	28.8	43	20th	15	13th
April	982.7	1009.7	13th	960.2	19th	30.9	30.3	30.4	30.6	30.6	30.1	30.1	30.2	30.4	33.4	26.7	40	14th	14	27th, 28th
May	992.8	<u>1021.8</u>	<u>7th</u>	963.0	28th	28.1	28.0	28.0	28.6	28.3	27.8	28.0	28.0	28.1	31.4	23.9	39	22nd	10	29th
June	991.8	1007.8	15th	966.2	25th	25.7	25.7	25.7	25.7	26.0	26.2	26.1	26.0	25.9	29.4	21.2	35	16th	12	7th
July	990.9	1021.5	30th	965.3	10th	24.1	24.4	24.4	25.2	25.6	25.6	25.2	25.0	24.9	29.1	19.9	35	31st	8	13th
August	993.9	1013.5	18th	967.3	4th	24.5	23.9	24.0	24.9	24.8	24.8	24.8	24.4	24.5	28.6	19.5	40	15th	<u>4</u>	<u>23rd</u>
September	996.1	1013.8	5th	<u>950.8</u>	<u>30th</u>	27.1	26.8	27.4	28.0	28.3	28.2	27.7	27.2	27.6	31.0	23.7	35	6, 7, 25	14	17th
October	985.4	1012.2	22nd	961.6	29th	29.0	28.8	29.4	30.4	30.7	30.4	29.7	29.5	29.7	32.9	26.2	35	23rd	18	12th
November	984.5	1004.5	12th	962.0	5th	27.5	27.3	27.9	28.7	29.1	28.8	28.2	27.7	28.1	31.0	24.6	35	8, 14, 21	17	1st, 2nd
December	996.9	1010.5	31st	983.3	6th	29.0	30.4	31.9	32.9	33.5	33.0	31.7	29.9	31.5	34.6	27.5	40	29th, 30th	21	3rd
Total	11876.3	12134.9	—	11579.1	—	348.4	349.0	355.5	366.5	369.0	363.1	359.3	350.7	357.5	400.4	310.3	474	—	187	—
Mean	989.7	1011.2	—	964.9	—	29.0	29.1	29.6	30.5	30.7	30.3	29.9	29.2	29.8	33.4	25.9	39.5	—	15.6	—

Means and Extremes Table II for Deception Island, South Shetlands, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)								SUNSHINE		RAINFALL (mm.) ¹				
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT ¹							1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE	
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000		2300	REC.					EST.
January	89	88	85	76	75	78	83	86	83	7.4	7.3	6.8	6.7	6.3	6.3	6.7	7.0	6.8	4.9	5.0	18.8	Not recorded	Not recorded	Not recorded
February	88	88	87	82	82	82	85	87	85	6.5	6.8	6.9	6.6	6.6	6.9	6.4	6.3	6.6	3.1	3.2	15.6			
March	88	88	87	85	84	87	88	89	87	7.1	6.9	6.7	6.7	6.7	7.0	7.0	6.7	6.9	1.7	1.7	12.8			
April	88	90	90	89	90	90	88	89	89	6.5	6.8	7.1	7.0	6.9	7.0	6.0	6.6	6.7	0.5	0.6	9.2			
May	93	93	94	93	92	93	92	93	93	6.5	6.3	7.0	6.8	6.9	6.4	6.4	6.4	6.6	0.1	0.4	6.7			
June	88	89	88	87	87	89	88	90	88	5.4	5.5	5.5	5.8	6.3	6.2	6.3	6.2	5.9	0.0	0.7	4.9			
July	89	89	89	88	90	90	90	89	89	6.3	6.0	6.7	7.1	6.8	6.7	6.3	5.5	6.4	0.1	0.4	5.7			
August	89	88	87	89	89	89	88	89	89	6.2	6.2	6.7	6.9	7.0	7.3	7.0	6.6	6.7	0.0	0.0	8.5			
September	90	90	90	89	89	89	90	90	90	5.7	6.3	5.9	5.8	6.3	6.5	5.8	5.6	6.0	2.0	2.6	11.5			
October	91	91	90	89	87	89	90	90	90	6.6	6.6	6.3	5.9	6.3	6.2	7.0	6.5	6.4	4.1	4.3	14.6			
November	90	90	87	84	85	85	89	89	87	7.3	7.3	6.4	6.3	6.3	6.7	6.9	6.9	6.8	4.3	4.4	17.9			
December	85	84	82	79	78	80	82	84	82	5.7	6.0	5.9	5.4	5.2	5.4	5.2	5.9	5.6	7.4	7.6	20.1			
Total	1068	1068	1056	1030	1028	1041	1053	1065	1052	77.2	78.0	77.9	77.0	77.6	78.6	77.0	76.2	77.4	28.2	30.9	146.3			
Mean	89	89	88	86	86	87	88	89	88	6.4	6.5	6.5	6.4	6.5	6.5	6.4	6.3	6.5	2.3	2.6	12.2			

Frequency Table I for Deception Island, South Shetlands, 1955.

MONTH	M. S. I. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	939.9	944.9	949.9	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9
January								7	13	26	31	73	44	24	18	12					
February						1	9	48	29	73	32	26	6								
March						3	16	20	29	42	44	32	26	20	15	1					
April						8	18	39	37	46	34	28	11	5	14						
May						3	8	13	22	39	38	33	17	6	25	27	11	6			
June							3	12	34	21	18	36	64	28	24						
July							10	30	28	23	29	27	30	31	16	13	8	3			
August							7	10	23	30	14	30	47	42	19	26					
September				2	1	5	7	5	2	29	27	21	20	34	63	24					
October						5	12	27	38	43	38	35	29	10	7	4					
November						5	6	18	22	70	67	33	12	7							
December										19	20	31	104	49	21	4					
Year				2	1	30	96	229	277	461	392	405	410	256	222	111	19	9			

Frequency Table III for Deception Island, South Shetlands, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 to 5																		
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100
January							1			7	9	14	27	35	40	41	38	27	9
February										1	2	8	15	21	43	59	53	20	2
March										4	4	6	16	14	32	55	67	46	4
April												3	5	15	32	63	69	48	5
May												1		4	16	37	72	110	8
June											3	1	15	18	26	47	72	48	10
July												5	10	18	20	45	86	59	5
August												1	4	26	46	46	66	54	5
September									1			3	7	18	29	44	49	83	6
October													7	28	27	55	48	72	11
November											2	3	11	29	40	41	50	61	3
December									1	1	2	13	29	46	58	57	30	11	
Totals							1		2	13	22	58	146	272	409	590	700	639	68
Mean							—		—	1	2	5	12	23	34	49	58	53	6

Frequency Table IV for Deception Island, South Shetlands, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶									LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS ⁷ (metres)															No Cloud										
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	= > 40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS										7-8 OKTAS													
																	0	30	60	120	300	600	1200	2400	=	0	30	60	120		300	600	1200	2400	=					
																	to 30	to 60	to 120	to 300	to 600	to 1200	to 2400	to 6000	>	to 30	to 60	to 120	to 300		to 600	to 1200	to 2400	to 6000	>					
January			1	5	3	2	31	54	93	59	4	32	44	69	95	4	5	5	18	(2) 61	(13) 115	(66) 37	(3) 3	2	1	4	5	12	(1) 29	(10) 29	(56) 8	(2) 2								1
February			1	2	5	9	32	75	71	29		17	47	79	78	3	4	1	9	(1) 67	(10) 106	(89) 36	(5) 1			3	1	(1) 7	27	(3) 19	(52) 5	(1) 1								
March		1	3	4	12	15	47	40	82	44		21	44	53	112	18	19	5	7	(6) 66	(55) 88	(8) 62	(8) 1			18	5	6	42	(6) 25	(42) 24	(8) 2								
April	2	10	5	10	10	12	32	58	61	40	4	19	42	48	102	25	25		8	(7) 66	(31) 66	(4) 70	(4) 1	3		25		8	55	(7) 26	(14) 22	(4) 1						1		1
May		8	5	6	10	27	61	35	49	47	5	25	43	57	100	18	19	1	16	(1) 84	(8) 59	(32) 63	(5) 1	3		19		15	53	(6) 14	(20) 15	(4) 1						1		2
June				6	17	18	25	49	54	71	19	30	54	44	90	3	3	1	8	(6) 55	(44) 68	(81) 5	5	10		3	1	8	39	(2) 21	(21) 17	1	3							9
July	5	14	3	16	12	18	38	68	47	27	4	31	51	44	93	25	25	4	15	(3) 73	(40) 49	(1) 77	(1) 1	4		25	4	13	47	(2) 15	(31) 10									
August	1	9	4	10	6	11	51	52	42	62	7	25	45	41	113	17	20	1	4	(1) 57	(3) 88	(67) 62	(5) 9	4	2	19		2	29	(1) 22	(55) 17	(4) 4								1
September			2	7	9	18	56	37	29	82	17	44	40	41	97	1	4	11	24	(1) 76	(3) 58	(44) 50	(1) 1	7	1	3	10	19	53	(1) 4	(20) 5									9
October		5	2	10	11	14	42	50	55	59	2	39	51	55	90	11	12	2	18	(1) 57	(08) 89	(5) 67	(5) 1		2	11	2	14	35	(1) 13	(42) 8	(2) 1								
November		3	3	9	10	11	39	42	65	58	3	20	52	66	90	9	9	7	14	(80) 50	(80) 72	(5) 84	(5) 1	3		9	6	13	28	13	(49) 21	(2) 1								
December			1		1	1	14	22	44	165	9	60	55	66	58		2		4	(2) 86	(63) 124	(5) 5	(5) 3	3	3	1		3	8	(2) 6	(41) 32	(3) 1								3
Total	8	50	30	85	106	156	468	582	692	743	74	363	568	663	1118	134	147	38	(1) 145	(5) 730	(62) 944	(679) 813	(47) 29	39	9	140	34	(1) 120	(4) 445	(43) 207	(452) 184	(30) 10	5	0					26	
Mean	1	4	3	7	9	13	39	49	58	62	6	30	47	55	93	11	12	3	(-) 12	(-) 61	(5) 79	(57) 68	(4) 2	3	1	12	3	(-) 10	(-) 37	(4) 17	(38) 15	(3) 1	-	-						2

Frequency Table V for Deception Island, South Shetlands, 1955.

MONTH	WEATHER: No. of Days ¹																									
	TEMPERATURE ⁸				PRECIPITATION ¹			0	0	10 & 18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16 Fog		10 & 17 HAIL			
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE > 6	WIND FORCE > 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft	
	>32°F	<5°F	<-4°F	>41°F	=	=	=																			
January	15			18				3		9	4	1	7		20					2	6					
February	22			17				10		17	9	12	5		27				1	1	3	1				
March	5			1				5		11	24	4	5		21				8	4		4				1
April	4							19	3	6	26	6	3		17				16	5	2	7				
May								15		6	24	3	8		22				13	5	3	7				
June								18			21	2	1		12	2			19	6		8				
July								22	6		26		4		21				27	5	2	15				1
August								19	4		27	1	1		21				26	7	2	10				1
September								15	3		23	2	3		17				19	4	3	4				
October								26	2	1	29	3	1		15				27	5		13				
November								20		1	27	2			19				19	5		8				
December								7			7	1	1		12	2			2		2					
Total	46	0	0	36				179	18	51	247	37	39	0	224	4			177	49	23	77	0	0		3
Mean	4	—	—	3				15	1	4	21	3	3	—	19	—			15	4	2	6	—	—		—

Frequency Table VI for Deception Island, South Shetlands, 1955.

MONTH	2 MEAN WIND SPEED	1 WIND : Number of observations, at all hours, of :-																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	9.2		7	76	153	12	17	8	17	13	3	1	3	10	28	35	64	37
February	11.2		10	115	95	4	19	16	22	16	4	8	2	1	13	22	37	60
March	12.4		30	113	92	13	27	33	39	5	2	4	8	24	29	29	35	
April	15.8	15	51	104	61	9	13	21	50	11	3	1	9	29	25	32	37	
May	12.7		40	107	71	30	6	24	37	3	2	2	21	37	40	28	18	
June	15.1		65	103	59	13	3	7	14	2	2	3	7	37	51	46	34	21
July	17.0	21	49	107	60	11	12	43	14	3	2	1	11	44	57	40	10	
August	16.4	9	68	99	55	17	22	35	28	3	1	3	11	22	41	44	21	
September	13.8	4	51	91	75	19	1	9	4	2	1	1	14	56	66	50	17	
October	17.3	3	71	135	29	10	10	9	6		1		6	54	61	58	33	
November	15.7		71	98	55	16	3	16	53	20	5	1	3	28	32	31	22	10
December	8.6		21	65	124	38	6	29	50	8	10	4	4	15	44	24	14	2
Total	165.2	52	534	1213	929	192	139	250	334	86	36	17	31	171	434	477	452	301
Mean	13.8	4	45	101	77	16	12	21	28	7	3	1	3	14	36	40	38	25

Frequency Tables VII to X for Deception Island, South Shetlands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		1			2	2	1	1	8	2	18
2		1	1	1	1	1	1	3	1	10	16	7	43
3	6	4	5	3	1			2	10	10	33	18	92
4	9	2	5	5	1			3	15	14	7	7	68
5	1		5									2	8
6	1		1	2					1			1	6
7				1									1
≥ 8													
Totals	17	8	17	13	3	1	3	10	28	35	64	37	236

CALMS - 12

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1	1	3		3	1	1	2	2	2	2	19
2	2	1	2	5	3	4	1		3	3	6	3	30
3	2	2	6	1	1				2	2	10	19	46
4	9	6	10	4					7	8	16	24	84
5	5	4	2	1					1	6	4	8	31
6		2	1	2					1	1	2	1	10
7													
≥ 8													
Totals	19	16	22	16	4	8	2	1	13	22	37	60	220

CALMS - 4

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1		3						2	6	3	2	17
2	1	1	2	1	1		2	6	6	6	12	6	44
3	2	2	3	1	1		2	1	2	5	7	5	31
4	9	7	6	1					10	8	4	16	61
5	10	17	7	2				1	3	3	3	6	52
6	4	5	14						1	1			25
7		1	4										5
≥ 8													
Totals	27	33	39	5	2		4	8	24	29	29	35	235

CALMS - 13

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			1	1		1	1		5	4	5	19
2		3	2	1					3	3	3		15
3	3	2	2	1	1				2	6	7	3	27
4	3	7	12	4	1			4	9	7	11	11	69
5	5	2	2	2				1	9	1	6	7	35
6	1	6	14	1				3	5	2	1	11	44
7		1	4						1	1			7
≥ 8			14	1									15
Totals	13	21	50	11	3		1	9	29	25	32	37	231

CALMS - 9

Frequency Tables XI to XIV for Deception Island, South Shetlands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1			1			3		4	4	1	14
2	1	1	1						1	8	9	5	26
3		1	6	2	1		2	3	5	5	5	1	31
4	2	11	7	1				9	11	17	9	2	69
5	2	4	9					4	11	4		4	38
6	1	5	8					1	7	2	1	5	30
7		1	6					1	2				10
≥ 8													
Totals	6	24	37	3	2		2	21	37	40	28	18	218

CALMS - 30

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1					1		1	1		1		1	5
2		2	1	2	1	1		1	2	2	4		16
3			3				6	4	6	7	8	4	38
4	1	2	2			2		11	13	10	7	6	54
5	2		1					9	12	12	7	6	49
6		3	7					9	16	12	7	4	58
7								2	2	2	1		7
≥ 8													
Totals	3	7	14	2	2	3	7	37	51	46	34	21	227

CALMS - 13

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1				1				1	1	1	4	1	9
2	3	1	1	1					4	5	4		19
3	4	3	2					1	1	9	11	2	32
4		6	1		2		1	3	7	19	11	3	53
5	3	11	1	1				2	13	16	5	2	54
6	1	9	2					4	9	5	2	2	34
7	1	4	1					1	4	2	2		15
≥ 8		9	6						5		1		21
Totals	12	43	14	3	2		1	11	44	57	40	10	237

CALMS - 11

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			1			2			3	3		10
2		2	1		1			2	1	2	2	2	13
3	4	4	1	1			1	1	1	6	11	2	32
4	4	10	5					5	4	11	10	2	51
5	5	6	3	1				2	8	9	8	6	48
6	7	5	9					1	3	5	7	6	43
7	1	4	7						3	4	3	3	25
≥ 8		4	2						2	1			9
Totals	22	35	28	3	1		3	11	22	41	44	21	231

CALMS - 17

Frequency Tables XV to XVIII for Deception Island, South Shetlands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		1					10	3	1	16	
2			1	2					2	10	8	3	26
3		2	2				1		4	10	11	3	33
4		4						1	16	14	15	5	55
5	1	1	1					1	12	14	4	2	36
6		1						11	17	4	7	2	42
7								1	2	3	2	1	9
>= 8									3	1			4
Totals	1	9	4	2	1		1	14	56	66	50	17	221

CALMS - 19

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.	
1										1	1		2	
2					1				1		3		5	
3	1		1						2	11	5	2	22	
4	3	2	3						3	17	17	18	10	73
5	1	3	2						2	17	15	11	11	62
6	3	3							1	13	12	16	7	55
7	2	1								3	5	3	2	16
>= 8									1		1	1	3	
Totals	10	9	6		1			6	54	61	58	33	238	

CALMS - 10

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1							1	1	3	1	8
2		2		1	2				1	4	3		13
3	1	4	2	1		1		2	6	9	2	3	34
4	1	7	9		1		2	3	8	16	13	5	65
5		2	12	3			1	6	7		1	1	33
6			26	7	2			10	5	1			51
7			4	5				7	4				20
>= 8													
Totals	3	16	53	20	5	1	3	28	32	31	22	10	224

CALMS - 16

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	2	2	2	3	3	1	1	4	2	2	1	24
2	1	3	4	3	6	1	1	6	6	11	7		49
3	2	6	7	1	1		1	4	13	10	5	1	51
4	2	9	9				1	3	20	1			45
5		6	12					1	1				20
6		3	16	2									21
7													
>= 8													
Totals	6	29	50	8	10	4	4	15	44	24	14	2	210

CALMS - 38

Frequency Table XIX for Deception Island, South Shetlands, 1955.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i> 10	<i>to</i> 40	<i>to</i> 70	<i>to</i> 100	<i>to</i> 130	<i>to</i> 160	<i>to</i> 190	<i>to</i> 220	<i>to</i> 250	<i>to</i> 280	<i>to</i> 310	<i>to</i> 340	
1	6	7	6	9	7	6	8	10	11	37	37	17	161
2	8	17	16	17	16	7	5	18	28	64	74	29	299
3	25	30	40	14	6	2	13	17	54	90	115	63	469
4	43	73	69	15	5	2	4	45	137	142	121	91	747
5	35	56	57	10			1	20	94	80	49	55	466
6	18	42	98	14	2			40	78	45	43	39	419
7	4	12	26	6				12	21	17	11	6	115
= > 8		13	22	1					11	2	2	1	52
Totals	139	250	334	86	36	17	31	171	434	477	452	301	2728

CALMS 192.

Means and Extremes Table I for Argentine Islands, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN ¹ DAILY		EXTREMES ¹			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January	992.8	1011.4	19th	967.7	29th	30.4	30.8	32.6	33.4	34.4	34.2	33.0	31.0	32.5	36.7	28.5	50	29th	19	10th
February	979.9	996.8	8th	964.8	24th	32.7	32.8	33.3	33.9	34.4	33.6	32.7	32.4	33.2	36.9	30.3	44	24th	24	7th
March	985.6	1009.5	28th	959.7	17th	28.1	28.3	29.7	31.0	31.4	30.6	29.2	28.6	29.6	33.7	25.8	42	31st	15	14th
April	981.1	1009.9	13th	962.6	18th	28.2	28.0	28.3	29.1	29.0	28.5	28.4	27.9	28.4	31.8	24.8	41	17th, 18th	16	12th, 30th
May	992.3	1023.6	17th	964.1	7th	24.2	24.5	24.8	24.8	25.2	24.1	23.7	23.5	24.3	29.0	19.8	40	9th, 10th 22nd 23rd	9	30th, 31st
June	991.0	1009.2	4th	959.4	25th	18.3	17.8	17.2	16.8	17.6	17.5	18.9	19.1	17.9	24.5	10.6	37	16th	1	6th, 12th 9th, 20th
July	988.6	1022.5	27th	962.4	17th	20.2	20.3	21.4	21.3	22.0	23.0	22.2	20.7	21.4	28.2	14.4	35	30th	-5	11th, 12th
August	991.5	1012.9	30th	960.7	7th, 8th	18.5	18.5	19.0	20.5	20.2	19.6	19.1	18.8	19.3	26.3	12.3	41	15th	-10	18th
September	995.1	1014.0	4th	947.0	30th	18.5	18.2	20.2	21.9	22.0	21.3	19.1	18.3	19.9	26.8	11.2	40	6th	-10	17th
October	980.7	1010.0	22nd	956.0	29th	24.1	23.8	25.7	27.1	27.6	27.0	26.3	25.4	25.9	30.6	20.7	38	17th	7	27th
November	984.7	1006.4	12th	967.8	5th	21.8	22.5	24.3	27.4	28.4	27.4	25.3	24.0	25.1	31.0	18.8	39	15th	2	7th
December	997.4	1011.0	31st	981.8	6th	27.3	27.9	29.6	31.6	31.9	31.4	30.6	28.7	29.9	34.1	26.0	41	31st	22	11th
Total	11860.7	12137.2	—	11554.0	—	292.3	293.4	306.1	318.8	324.1	318.2	308.5	298.4	307.4	369.6	243.2	488	—	90	—
Mean	988.4	1011.4	—	962.8	—	24.4	24.5	25.5	26.6	27.0	26.5	25.7	24.9	25.6	30.8	20.3	40.7	—	7.5	—

Means and Extremes Table II for Argentine Islands, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹		
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT								1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000	2300		REC.	EST.				
January	93	93	88	87	85	86	90	93	89	6.9	7.4	7.5	6.8	6.4	6.5	6.6	6.8	6.9	3.2	3.2	20.1	42.4	16.5	30th
February	85	84	83	82	82	84	87	87	84	6.8	6.9	7.0	7.0	7.1	7.3	6.9	6.2	6.9	2.7	2.7	16.3	36.4	10.7	2nd
March	89	88	85	82	81	84	86	98	85	6.0	6.0	6.6	6.8	6.7	6.5	6.2	5.8	6.3	2.1	2.1	12.8			
April	85	85	86	83	83	83	82	82	84	5.4	5.8	6.5	6.7	6.5	6.5	6.0	5.2	6.1	1.3	1.3	9.4			
May	81	81	81	82	82	82	82	81	81	5.4	5.7	6.4	6.1	6.0	6.0	4.7	5.0	5.7	0.7	0.7	6.0			
June	86	85	84	82	84	82	83	85	84	5.4	4.8	6.0	6.2	6.3	5.4	5.7	5.9	5.7	0.4	0.4	3.7	Not recorded	Not recorded	Not recorded
July	87	87	89	87	86	88	87	88	87	6.6	6.7	7.1	7.1	7.2	7.3	6.4	6.4	6.9	0.4	0.4	4.9			
August	86	87	85	83	82	83	83	85	84	5.7	5.9	6.6	6.6	6.1	6.6	5.8	5.6	6.1	1.3	1.3	8.1			
September	88	87	87	86	86	87	86	86	87	5.0	5.4	6.5	6.0	5.9	6.0	5.1	4.8	5.6	2.3	2.3	11.4			
October	91	91	91	91	91	91	91	91	91	7.1	6.9	7.8	7.5	7.1	7.6	7.3	7.3	7.3	1.8	1.8	14.4			
November	85	84	86	79	79	81	83	84	83	5.7	5.5	5.8	5.8	5.9	6.2	6.1	6.0	5.9	5.5	5.5	18.5			
December	87	86	88	80	80	83	84	86	84	5.8	5.9	5.5	5.3	5.3	5.4	5.5	5.4	5.5	7.2	7.2	22.1			
Total	1043	1038	1033	1004	1001	1014	1024	1036	1023	71.8	72.9	79.3	77.9	76.5	77.3	72.3	70.4	74.9	28.9	28.9	147.7			
Mean	87	87	86	84	83	85	85	86	85	6.0	6.1	6.6	6.5	6.4	6.4	6.0	5.9	6.2	2.4	2.4	12.3			

Frequency Table I for Argentine Islands, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0	940.0	945.0	950.0	955.0	960.0	965.0	970.0	975.0	980.0	985.0	990.0	995.0	1000.0	1005.0	1010.0	1015.0	1020.0	1025.0	1030.0	1035.0
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	939.9	944.9	949.9	954.9	959.9	964.9	969.9	974.9	979.9	984.9	989.9	994.9	999.9	1004.9	1009.9	1014.9	1019.9	1024.9	1029.9	1034.9	1039.9
January							4	17	2	29	25	60	62	22	20	7					
February						2	30	43	32	56	33	21	7								
March					1	7	18	24	26	43	40	33	21	22	13						
April						10	19	43	54	41	30	17	8	6	12						
May						2	8	21	23	40	39	26	13	8	17	31	9	11			
June					1	5	9	16	25	21	24	23	45	51	20						
July						8	14	37	22	17	35	29	26	32	13	6	7	2			
August						9	6	14	34	37	13	8	39	43	21	24					
September			2	3	7	3	6	1	9	26	29	14	22	38	49	31					
October					2	10	33	33	52	37	35	17	16	7	5	1					
November							4	19	26	84	62	25	11	6	3						
December										25	11	26	90	70	24	2					
Year			2	3	11	56	151	268	305	456	376	299	360	305	197	102	16	13			

Frequency Table III for Argentine Islands, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 5																			
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >	
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100	
January									2	3	4	4	8	13	22	36	54	89	13	
February							1	3	1	9	6	6	10	30	30	41	41	39	7	
March							4		3	6	7	19	13	14	26	30	49	72	5	
April										2	8	13	30	30	37	45	40	32	3	
May								1	3	5	11	20	22	36	31	52	45	19	3	
June									1	1	5	9	13	28	63	64	34	17	5	
July										2	4	7	10	11	40	54	65	55		
August								1	2	1	6	13	21	30	42	45	39	46	2	
September											2	5	17	20	44	56	50	43	3	
October												2	1	3	33	55	68	73	13	
November									1	2	14	15	21	18	45	64	41	19		
December										1	9	13	15	33	51	46	46	33	1	
Totals							5	5	13	32	76	126	181	266	464	588	572	537	55	
Mean							—	—	1	3	6	11	15	22	39	49	48	45	5	

Frequency Table IV for Argentine Islands, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁶									LOW CLOUD AMOUNTS (oktas)					CLOUD HEIGHTS (metres) ⁷															No Cloud							
	<40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	>40km	0	1-2	3-5	6-7	8	9	ALL AMOUNTS					7-8 OKTAS															
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	= >	0 to 30	30 to 60	60 to 120	120 to 300		300 to 600	600 to 1200	1200 to 2400	2400 to 6000	= >		
January	10			12	6	1	14	47	53	105	45	27	15	51	97	13	13	8	5	40	(5) 78	(7) 39	(35) 20	42	3	13	6	5	25	(3) 44	(7) 9	(28) 11	16	3			
February				10	7	1	6	64	30	106	32	24	37	50	76	5	5	2	2	22	50	(13) 83	(24) 28	25	6	5	2	1	15	28	(9) 32	(12) 4	5	1	1		
March			1	1	6	14	36	82	13	95	43	19	32	36	118				8	32	(1) 83	(70) 60	(10) 22	19	3		6	31	44	(7) 31	(7) 13	9	1	21			
April				1	1	11	45	87	18	77	48	20	32	30	110					28	(2) 73	(3) 78	(6) 13	28				25	60	(2) 25	(3) 5	(4) 11		20			
May					19	10	9	51	64	19	76	59	14	27	34	105	9	9	2	1	25	92	(3) 45	(1) 15	17	2	9	2	1	23	68	(3) 25	(1) 7	1	2	40	
June		1	2	5	6	5	55	71	6	89	51	29	17	20	114	9	9			5	91	75	(1) 9	18	2	9		5	70	47	(1) 5	2	31				
July					9	9	10	74	97	6	43	27	7	35	23	149	7	7		7	20	(1) 64	5	4	6	7		7	16	89	(1) 49	2	1	2	17		
August			5	5	6	2	6	43	51	15	115	60	17	16	43	96	16	16		4	6	(2) 61	(3) 72	(3) 29	29	11	16		3	6	(2) 43	(2) 47	(3) 22	11	20		
September					4	8	8	20	51	52	17	78	66	21	17	116	4	4		3	17	(1) 76	67	7	22	8	4		3	17	60	42	5	7	36		
October				1	3	18	11	6	53	112	15	29	16	11	24	37	151	9	9		7	4	(0) 130	(1) 68	(1) 14	11	3	9		7	4	(4) 110	45	(1) 5	2	2	2
November						2		2	27	76	25	108	75	31	19	45	68	2	2		5	(5) 60	(7) 75	(5) 23	66	4	2		5	47	(4) 32	(6) 5	(1) 12	1	5		
December					6	5	5	16	53	42	121	74	46	19	30	74	5	5		6	21	(2) 43	(8) 77	(9) 22	43	9	5		6	18	(2) 25	(5) 26	(6) 12	4	22		
Total	2	17	15	97	71	90	471	856	259	1042	596	266	290	415	1274	79	79	12	43	225	(24) 955	(56) 803	(65) 207	324	57	79	10	39	190	(18) 688	(43) 410	(64) 96	81	12	215		
Mean	—	1	1	8	6	7	39	71	22	87	50	22	24	35	106	7	7	1	4	19	(2) 80	(5) 67	(8) 17	27	5	7	1	3	16	(1) 57	(4) 34	(5) 8	7	1	18		

Frequency Table V for Argentine Islands, 1955.

MONTH	WEATHER: No. of Days ¹																												
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	10 & 18	10	10	10 & 18	10	11	11	12	13	14	10 & 15	10 & 16 Fog		10 & 17 HAIL						
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE > 6	WIND FORCE > 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	True	Pseudo	True	Small	Soft				
	>32°F	<5°F	<-4°F	>41°F	=	=	=																						
January	8			3	Not recorded	Not recorded	Not recorded	3	1	14	3	4	5		23					5	7					2			
February	8			5				3	1	14	15	5	5	1	2	22	2					3	7	1	1				1
March	1			1				5	6	6	23	4	2	21	3	24	2					10	2		2				
April	1							4	4	3	18	1	2	16	2	18						9	1	8	1				
May	1							10	4		19			18		18						19		5					
June								12			27		1	20	3	20	3					25	4	1	6				
July			2					13	6	1	21		1	19	3	19	3					15	3		8				
August			3					8	2	4	21	1	5	19		19						9	2	2	3				
September			1					21	13	3	29	2	1	23		23						24	7		9				2
October								4	1	1	17			14	2	14	2					8	3		1				1
November																													
December														8		2	4						1	4					
Total	19	0	6	9				89	28	51	224	23	23	2	233	21			122	49	30	32	0	0		6			
Mean	2	—	1	1				7	2	4	19	2	2	—	19	2			10	4	3	3	—	—		1			

Frequency Table VI for Argentine Islands, 1955.

MONTH	2 MEAN WIND SPEED	WIND : Number of observations, at all hours, of :— 1																
	KNOTS	FORCES (Beaufort)					DIRECTIONS (degrees)											
		8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January	5.2	1	7	31	104	105	19	30	4	5	4	6	23	35	12	2	2	1
February	6.8		6	58	79	81	22	62	12	4	2	6	12	16	2	1	2	2
March	5.9		7	39	98	104	13	64	9	3	6	9	19	10		9	1	1
April	7.2		13	59	72	96	11	44	22	6	5	9	21	10	4	6	1	5
May	4.3		8	27	80	133	7	25	15	2	8	11	17	13	4	4	6	3
June	9.1	3	24	65	76	72	34	31	4	2	6	16	33	23	4	10	3	2
July	10.5		29	75	112	32	46	53	3	2	5	17	37	25	6	6	2	14
August	9.4	8	29	51	66	94	26	45	6	1	2	19	23	9	3	5	1	14
September	7.0	3	15	40	95	87	11	49	1	3		19	40	12	2	3		13
October	15.3	24	51	57	78	38	68	44	3	3	2	2	28	9	3	7	8	33
November	6.5	1	6	47	108	78	16	35		2	3	16	58	18	2	1	4	7
December	2.3			2	102	144	5	5	2	2	4	6	49	22	1	3		5
Total	89.5	40	195	551	1070	1064	278	487	81	35	47	136	360	202	43	57	30	100
Mean	7.5	3	16	46	89	89	23	41	7	3	4	11	30	17	4	5	3	8

Frequency Tables VII to X for Argentine Islands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE VII — JANUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2	1	1	3	1		3	3	3		1		18
2	1	3		2	2	1	8	14	7	2		1	41
3	6	5			1	5	11	15	1		1		45
4	7	10					1	3	1				22
5	3	5	1										9
6		3	2										5
7		2											2
>= 8		1											1
Totals	19	30	4	5	4	6	23	35	12	2	2	1	143

CALMS - 105

TABLE VIII — FEBRUARY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	3	1	2	1	1	3	1		1			14
2	3	5			1	2	2	5	1		1	1	21
3	4	10	1	1		2	6	8	1		1	1	44
4	10	24	4	1		1	1	2					43
5	4	8	3										15
6		2	3										5
7		1											1
>= 8													
Totals	22	62	12	4	2	6	12	16	2	1	2	2	143

CALMS - 81

TABLE IX — MARCH.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	3	1		1	1	4	1			1		13
2	3	6	2	2	5	4	7	3		1			33
3	5	31	1			2	6	5		1		1	52
4	3	12	1	1			2	1		6			26
5		7	4			1				1			13
6		4				1							5
7	1	1											2
>= 8													
Totals	13	64	9	3	6	9	19	10		9	1	1	144

CALMS - 104

TABLE X — APRIL.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		1		1			1	1		1			5
2	2	2	1	3	2	4	8	1	2	1		1	27
3	2	12	4	2	3	3	8	4				1	40
4	5	16	5			1	1	2	1	3	1	2	37
5	2	9	6				2	1	1	1			22
6		2	5			1		1					9
7		2	1				1						4
>= 8													
Totals	11	44	22	6	5	9	21	10	4	6	1	5	144

CALMS - 96

Frequency Tables XI to XIV for Argentine Islands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XI — MAY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1	1	1	3	2	2	3	1		1	1	17
2	1	3	2	1	3	3	11	4		1	4	1	34
3	2	9			2	3	4	5	2		1		29
4	3	7	3			3							16
5		4	3					1	1	2			11
6		1	5						1				7
7			1										1
≥ 8													1
Totals	7	25	15	2	8	11	17	13	4	4	6	3	115

CALMS - 133

TABLE XII — JUNE.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1			1	2		2						6
2		2		1	3	5	7	5	1	1			25
3	4	3	2		1	6	17	9	2	1			45
4	10	7	1			5	7	6		6			42
5	10	8						3	1		1		23
6	7	8	1							1	1	1	19
7	2	1								1	1		5
≥ 8		2										1	3
Totals	34	31	4	2	6	16	33	23	4	10	3	2	168

CALMS - 72

TABLE XIII — JULY.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	2		1	1		1	6	1		1		2	15
2	2	2	1	1	4	9	16	7	1	1			47
3	11	7				4	14	11	2				50
4	17	13					1	4	2	1	1	4	43
5	8	15				1		2	1	1	1	3	32
6	4	13	1		1	2						1	22
7	2	3								2			7
≥ 8													7
Totals	46	53	3	2	5	17	37	25	6	6	2	14	216

CALMS - 32

TABLE XIV — AUGUST.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	3	1				2	3					1	10
2	1	2			1	6	10	3					23
3	1	6	1	1		4	8	3		1		8	33
4	6	7	1		1	4	2		1	4		1	27
5	8	7				3		2	2			2	24
6	3	9	3					1			1	1	18
7	4	6	1										11
≥ 8		7										1	8
Totals	26	45	6	1	2	19	23	9	3	5	1	14	154

CALMS - 94

Frequency Tables XV to XVIII for Argentine Islands, 1955.

WIND FORCES IN TWELVE 30° SECTORS

TABLE XV — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	7				6	6	1					21
2		6		2		5	18	9	2	1		1	44
3	3	7		1		6	9	1		1		2	30
4	3	5	1			1	5	1				3	19
5	2	11				1	2		1			4	21
6	1	7										2	10
7	1	3										1	5
≥ 8		3											3
Totals	11	49	1	3		19	40	12	2	3		13	153

CALMS — 87

TABLE XVI — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		3		1			2						6
2	3	5	2	2	1		11	2		2	2		30
3	11	9			1	1	11	4			1	4	42
4	11	5	1			1	2	1	3		1	5	30
5	11	6					2			3	3	2	27
6	7	9						1		2	1	8	28
7	14	3						1					23
≥ 8	11	4											9
Totals	68	44	3	3	2	2	28	9	3	7	8	33	210

CALMS — 38

TABLE XVII — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	1			1	1	5	4	1		2	1	17
2	3	6		1	2	6	16	6			2	2	44
3	3	10		1		5	21	4	1	1		1	47
4	5	9				3	10	2				2	31
5	1	8				1	3	2				1	16
6	2	1					3						6
7													
≥ 8	1												1
Totals	16	35		2	3	16	58	18	2	1	4	7	162

CALMS — 78

TABLE XVIII — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	2	1	1			12	9					26
2	2	2	1	1	2	6	27	11	1			1	54
3	2	1			2		10	2		3		2	22
4													
5												2	2
6													
7													
≥ 8													
Totals	5	5	2	2	4	6	49	22	1	3		5	104

CALMS — 144

Frequency Table XIX for Argentine Islands, 1955.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	
	10	40	70	100	130	160	190	220	250	280	310	340	
1	14	23	6	11	9	14	49	24	5	3	5	5	168
2	21	44	9	16	26	51	141	70	15	10	9	11	423
3	54	119	9	6	10	41	125	71	9	8	4	23	479
4	80	115	17	2	1	19	32	22	8	20	3	17	336
5	49	88	17			7	9	11	6	9	5	14	215
6	24	59	20		1	4	3	3		4	3	13	134
7	24	22	3				1	1		3	1	6	61
= > 8	12	17										11	40
Totals	278	487	81	35	47	136	360	202	43	57	30	100	1856

CALMS 1064.

Upper Air Means Table I for Argentine Islands, 1955.

MEAN AIR AND DEW POINT TEMPERATURES AT STANDARD LEVELS IN °F, for 1100 Zone Time :-																								
MONTH	SURFACE		900 mb.		850 mb.		800 mb.		700 mb.		600 mb.		500 mb.		400 mb.		300 mb.	200 mb.	150 mb.	100 mb.	MEAN TROPOPAUSE			
	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Dew	Air	Air	Air	Air	Press. mb.	Height	Temp.	
January	33.2	28.7	30.0	20.9	25.6	16.0	21.7	10.7	12.3	0.0	0.3	-15.2	-15.0	-30.6	-34.4	-46.0	27 30	-54.1	28 -43.6	27 -40.9	21 -37.9	20 280	20 29880	20 -59.7
February	33.7	29.2	29.4	21.4	23.9	15.1	18.8	8.8	7.8	-3.6	-4.8	-18.7	-22.0	-34.4	-40.8	-46.0	8 27	-52.9	28 -39.9	27 -40.4	20 -40.4	28 322	28 26740	28 -58.9
March	30.8	23.3	24.5	16.0	18.6	11.3	13.3	5.5	3.4	-6.3	-8.8	-21.3	-24.1	-36.9	-42.3	-45.6	9 28	-59.8	27 -51.8	26 -50.6	22 -52.7	28 282	28 29650	28 -66.6
April	29.1	25.1	24.8	17.6	20.1	12.1	15.1	7.3	4.8	-4.1	-7.4	-20.3	-23.9	-36.2	-42.8	-49.4	8 20	-60.4	20 -54.7	20 -57.6	20 -60.1	298	28700	-63.0
May	30 24.5	30 20.0	30 22.8	30 14.2	30 19.1	30 10.9	30 15.4	30 5.0	30 6.0	30 -7.8	30 -6.4	30 -22.5	30 -23.6	30 -38.5	30 -14.7	30 -50.5	30 -64.3	30 -68.8	30 -67.3	30 -72.8	30 276	30 30340	30 -74.3	
June	16.6	12.0	17.7	4.7	13.7	1.0	9.7	-4.1	-0.2	-15.1	-12.5	-29.4	-28.1	-41.5	-47.2	-47.1	20 26	-67.5	28 -80.4	21 -80.3	10 -82.1	26 265	26 30790	26 -79.0
July	30 21.3	30 16.4	30 17.1	30 9.4	30 12.9	30 5.6	30 9.0	30 -0.2	30 -1.4	30 -11.9	30 -14.6	30 -25.9	30 -31.8	30 -38.9	30 -49.8	30 -44.8	30 -70.8	30 -85.2	30 -85.9	30 -89.9	30 -89.9	30 278	30 30230	30 -83.1
August	19.5	14.6	15.8	8.0	10.9	3.9	5.9	-2.0	-3.5	-13.9	-17.1	-27.2	-33.5	-41.4	-53.1	-52.0	2 20	-75.0	28 -99.9	25 -99.8	18 -104.3	28 258	28 31640	28 -89.4
September	21.8	18.3	19.7	10.2	15.5	6.2	11.4	-0.1	2.2	-13.5	-9.6	-28.1	-26.0	-41.7	-46.5	-48.0	6 28	-70.4	27 -92.0	27 -95.1	23 -98.1	27 229	27 34000	27 -93.4
October	27.0	24.0	20.7	14.8	15.0	8.6	9.0	2.2	-2.5	-10.5	-15.6	-27.1	-31.9	-41.2	-50.4	-46.2	5 20	-68.2	20 -78.7	20 -80.4	20 -78.1	20 303	20 27600	20 -73.3
November	27.0	20.0	19.5	10.2	13.8	3.6	8.4	-2.2	-1.0	-13.9	-12.6	-29.3	-28.0	-44.3	-47.5	-56.3	3 20	-67.6	20 -71.2	20 -67.9	20 -58.0	291	28350	-71.1
December	31.4	25.3	22.8	14.0	18.7	8.3	14.8	3.0	4.3	-8.4	-8.1	-21.9	-23.3	-35.0	-41.9	-50.8	13 20	-62.9	28 -53.0	27 -49.3	20 -43.5	28 284	28 29830	28 -67.0
Total	315.9	256.9	264.8	161.4	207.8	102.6	152.5	33.9	32.2	-109.0	-117.2	-286.9	-311.2	-460.6	-541.4	-582.7	-773.9	-813.2	-816.5	-817.9	3366	357750	-875.8	
Mean	26.3	21.4	22.1	13.5	17.3	8.5	12.7	2.8	2.7	-9.1	-9.8	-23.9	-25.9	-38.4	-45.1	-48.6	-64.5	-67.8	-68.0	-68.2	281	29810	-73.0	

Upper Air Means Table II for Argentine Islands, 1955.

MONTH	²² MEAN HEIGHTS ABOVE M.S.L. OF STANDARD PRESSURE LEVELS (ft.)										
	900 mb.	850 mb.	800 mb.	700 mb.	600 mb.	500 mb.	400 mb.	300 mb.	200 mb.	150 mb.	100 mb.
January	2570	4050	5620	9010	12840	17240	22420	³⁰ 28780	²⁸ 37600	²⁷ 44000	²¹ 53090
February	2210	3690	5250	8610	12410	16750	21850	²⁸ 28130	²⁷ 37120	²⁰ 43570	²⁰ 52630
March	2370	3840	5380	8710	12470	16780	21860	²⁸ 28140	²⁷ 36900	²⁶ 43180	²² 52030
April	2230	3700	5240	8590	12360	16680	21750	²⁰ 27990	²⁰ 36690	²⁰ 42800	²⁰ 51560
May	³⁰ 2520	³⁰ 3980	³⁰ 5520	³⁰ 8880	³⁰ 12660	³⁰ 16980	³⁰ 22050	³⁰ 28250	²⁸ 36660	²² 42760	¹⁶ 51040
June	2460	3910	5430	8740	12460	²⁰ 16720	²⁰ 21730	²⁸ 27890	²⁶ 36210	²⁴ 42040	¹⁰ 50150
July	³⁰ 2390	³⁰ 3840	³⁰ 5360	³⁰ 8660	³⁰ 12380	³⁰ 16620	³⁰ 21600	³⁰ 27730	³⁰ 35950	²⁷ 41720	²⁰ 49850
August	2480	3920	5430	8720	12410	16640	21590	²⁰ 27630	²⁸ 35720	²⁵ 41200	¹⁸ 48940
September	2570	4040	5550	8880	12630	16930	21970	²⁸ 28160	²⁷ 36340	²⁷ 41950	²³ 49780
October	2210	3660	5190	8490	12190	16430	21410	²⁰ 27520	²⁰ 35840	²⁶ 41650	²⁰ 49850
November	2320	3780	5300	8600	12320	16600	21620	27780	36180	²⁰ 42140	²⁶ 50740
December	2660	4120	5660	³⁰ 9010	³⁰ 12770	³⁰ 17090	³⁰ 22170	²⁰ 28410	²⁸ 37020	²⁷ 43290	²⁰ 52230
Total	28990	46530	64930	104900	149900	201460	262020	336410	438230	510390	611890
Mean	2420	3880	5410	8740	12490	16790	21830	28030	36520	42530	50990

Upper Air Frequency Table I for Argentine Islands, 1955.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																								
MONTH	Surface																	900 mb.																						
	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
	-20	-24	-19	-14	-9	-4	1	6	11	16	21	26	31	36	41	46	51	56	61	66	-20	-24	-19	-14	-9	-4	1	6	11	16	21	26	31	36	41	46	51	56	61	66
January												5	14	10	2													2	4	8	10	6	1							
February												3	13	11	1													1	3	11	9	4								
March											3	6	17	5														3	4	6	10	8								
April											2	16	10	2															5	11	7	7								
May								1	5	13	5	5	1															2	9	4	11	4								
June							2	5	8	5	2	5	2	1											2	5	3	7	3	8	2									
July							2	1	4	4	4	10	5									1	1	1	1	1	4	9	9	4										
August							2	2	6	5	5	7	4													7	7	7	7	3										
September							1	1	6	3	5	8	5	1											1	1	7	5	7	6	3									
October										3	8	9	11														4	6	13	8										
November									2	3	1	13	10	1												2	3	12	7	5	1									
December												7	20	4														5	14	10	2									
Year							7	9	27	28	43	94	116	36	3										1	1	4	16	33	72	88	91	46	10	1					

Upper Air Frequency Table II for Argentine Islands, 1955.

MONTH		AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges:—																																									
		850 mb.																	800 mb.																								
		-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	50	55	60	65		
		to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to		
January									5	9	9	7	1																3	7	11	8	2										
February								1	2	12	12	1																	4	12	10	2											
March						1	3	3	8	11	5														1	3	4	8	9	6													
April								5	9	10	6																4	9	11	6													
May								9	6	7	6	2															8	5	6	6	5												
June				1	1	6	2	6	3	7	4														2	4	3	6	2	8	5												
July				2		1	5	7	7	8															3	1	3	6	8	8	1												
August					2	5	7	7	7	3																7	7	6	8	3													
September						2	5	6	6	8	2	1														2	3	7	7	7	3	1											
October							4	10	10	7																2	5	11	7	5	1												
November						3	2	13	6	5	1															4	2	13	6	5													
December								8	10	8	5																1	5	8	10	6	1											
Year				3	3	18	28	75	79	95	50	11	1													5	21	27	70	75	91	55	17	2									

Upper Air Frequency Table III for Argentine Islands, 1955.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges :- 4																																							
	700 mb.																			600 mb.																				
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	25	30	35	40	45
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	1	9	14	19	24	29	34	39	44	49	-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	1	9	14	19	24	29	34	39	44	49	
January									1	5	2	10	9	4														3	5	4	11	6	2							
February											5	16	5	2														4	12	6	6									
March							2	3	6	4	7	7	2											1	2	6	6	7	6	1	2									
April									7	8	10	4	1													4	6	11	6	3										
May								4	4	5	4	5	8												1	5	6	3	6	8		1								
June						1	2	2	6	2	5	8	3	1								1	1	3	5	2	3	9	5	1										
July							4	2	4	6	5	8	1										2	5	1	7	4	9		2										
August							2	6	4	8	9	2											2	3	6	8	11	1												
September								1	4	5	9	7	4												2	3	11	8	5	1										
October						1	4	6	10	6	3		1											3	7	8	6	3	3	1										
November								3	7	6	9	4	1												1	9	14	4	2											
December									4	3	7	11	5												1		12	10	6	1										
Year						1	9	20	42	58	77	82	45	24	4							1	5	15	26	52	86	82	49	35	8	3								

Upper Air Frequency Table IV for Argentine Islands, 1955.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges: - 4																																							
	500 mb.																400 mb.																							
	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10	15	20	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	0	5	10
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14	19	24	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	-14	-9	-4	4	9	14
January											3	5	6	12	3	1	1											3	5	7	9	4	2	1						
February										1	14	5	4	2	1	1												9	11	3	3	1	1							
March						1	2	4	10	8	2	1	3								1	5	7	9	5			3	1											
April								2	2	11	10	2	2	1										2	2	6	12	6	1	1										
May								2	6	5	9	5	2	1									2	7	6	9	5	1												
June					1	4	3	4	5	5	5	2										1	2	3	6	5	6	4	1	1										
July					5	1	4	8	3	7	1	1										1	1	1	7	7	4	4	4	1										
August					2		5	5	9	8	1	1											5	9	5	9	3													
September								3	9	7	6	4	1										1	12	8	3	4	2												
October					1	5	8	5	7	1	2	2											1	3	5	9	6	4	3											
November								1	8	16	5														12	11	6	1												
December									5	11	7	4	2	1											2	11	7	7	2	1										
Year					2	7	16	30	61	100	69	36	27	10	2	1							1	3	11	30	67	85	79	49	20	11	4	1						

Upper Air Frequency Table V for Argentine Islands, 1955.

MONTH	AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges: - 4																																							
	300 mb.																		200 mb.																					
	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	10	5	0	0	-110	-105	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	25	20	15
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
-94	-89	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-19	14	9	4	-4	-114	-109	-104	-99	-94	-89	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	29	24	19	
January						5	10	9	4	2																									1	3	7	11	6	
February					3	2	9	4	5	3	1	1																					2	3	9	11	3			
March				1	5	11	6	4	1																	2	1					3	9	7	5					
April			1	4	6	8	4	3	3		1																	4	3	6	10	4	2							
May			3	6	8	6	3	4																1	1	4		6	7	3	5		1							
June			1	3	5	11	7			1														4	6	3	7	3	2	1										
July		1	3	4	9	8	4		1													2	5	4	4	5	4	5	1											
August		1	5	10	8	4	1														4	6	1	8	5	1	3													
September			1	5	11	7	3	1														6	6	5	4	4	1	1												
October			2	2	6	13	3	2	1														1	2	6	5	5	4	5	1										
November			1	11	9	7	2																		6	6	3	7	8											
December				2	12	8	6	1																				1	3	5	9	10								
Year		2	12	29	63	86	65	43	27	14	5	2	1								4	14	13	24	26	28	28	23	27	19	20	33	32	27	17	3				

Upper Air Frequency Table VI for Argentine Islands, 1955.

MONTH		AIR TEMPERATURE AT STANDARD LEVELS: Number of observations, at 1100 Zone Time, in 5°F ranges: - 4																																							
		150 mb.																	100 mb.																						
		-115	-110	-105	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-115	-110	-105	-100	-95	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to			
-119	-114	-109	-104	-99	-94	-89	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24	-119	-114	-109	-104	-99	-94	-89	-84	-79	-74	-69	-64	-59	-54	-49	-44	-39	-34	-29	-24		
January														2	2	12	11																			2	7	5	7		
February																5	5	13	4																	1	3	14	4	3	1
March											1		2	14	6	3																									
April											3	8	11	1	5	1																									
May							2	1		4	7	5	1	2																											
June					1	2	3	7	6	3	1	1																													
July		1		2	5	2	4	6	2	3	2																														
August	1	3	5	3	3	6	4																																		
September		1	3	6	6	3	5	1	2																																
October				1	1	4	4	3	6	3	1	3																													
November								1	4	9	3	7	5																												
December												1	2	10	12	2																									
Year	.1	5	8	12	16	17	22	19	20	22	18	25	21	29	30	23	24	4																							

Upper Air Frequency Table VII for Argentine Islands, 1955.

MONTH	RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges :- 5																																											
	Surface											900 mb.											850 mb.											800 mb.										
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>
9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	
January						3	1	9	16	2					1	4	12	7	7							2	7	9	6	7							3	3	3	7	11	4		
February						4	8	7	7	2						5	8	7	8							1	5	5	11	6					1	1	1	1	8	8	8			
March			1	1	3	5	4	6	11					2	1	2	7	8	7	2	2				1	2	3	3	8	10	2	2					1	3	2	3	6	13	2	1
April						5	7	7	11						3	1	7	8	9	2					1	2	1	6	8	10	2		1				3	2	3	9	11		1	
May					1	4	10	4	11						1	3	5	10	7	3	1				2	1	3	6	8	5	5						3	2	5	3	6	6	5	
June						6	6	12	4	2				5	5	5	3	5	4	3			4	4	3	2	4	6	6	1					6	1	3	4	2	8	5	1		
July					1	3	4	13	8	1					2	5	6	4	7	6					2	2	3	2	5	12	3	1			2	1	3		6	5	8	4	1	
August					2	3	11	7	8						2	6	3	5	6	8	1		1			2	4	4	6	5	8	1	1			1	1	4	8	3	4	9		
September						2	5	10	13		1	1	1	1	4	1	7	6	7	1		1	1		5	3		6	7	7		1	1	1	1	3	4	2	3	6	8			
October					1	5	8	12	5						2	12	8	3	5	1					3	8	11	1	7	1					3	7	12	2	6	1				
November				1	2	8	7	6	6					1	6	7	6	6	2	2				1	2	9	5	7	4	2				1	4	5	9	3	5	3				
December					1	6	9	7	8						1	4	9	12	3	2				1	3	6	9	7	4	1				2	3	10	5	7	3	1				
Year			1	2	10	50	77	96	115	12	1	1	9	23	48	79	87	69	40	6	1	6	12	25	49	61	89	77	38	5	1	3	10	15	29	43	63	81	75	39	4			

Upper Air Frequency Table VIII for Argentine Islands, 1955.

MONTH	RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations at 1100 Zone Time, in 10% ranges:- 5																																											
	700 mb.										600 mb.										500 mb.										400 mb.													
	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=	0	10	20	30	40	50	60	70	80	90	=
	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>	to	to	to	to	to	to	to	to	to	to	>
9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	9	19	29	39	49	59	69	79	89	99	100	
January				2	8	5	5	8	3					5	3	5	6	7	4	1				1	3	5	4	11	7							3	9	9	5	1				
February	1		1	2	1	2	7	12	2			1		1	2	6	12	6					1		3	1	13	9	1			1	1			1	4	1		1				
March			1	5	1	1	6	7	8	1	1	1	3	5	2	3	8	7	2				1	4	3	5	4	9	4						1	1	1	4	1	1				
April			2	1	2	1	6	10	7	1		1	2		6	3	8	8	1		1	1	2	3	6	3	10	3		2			1			1	3	1	1	1				
May		2	4	1	2	6	1	7	5	2		4	2	5	1	4	5	7	2			3	4	4	3	5	7	3	1						2	1	2	1	2					
June		1	5	5	2	3	5	6	3			3	4	5	2	3	9	4				4	2	2	7	5	3	3				1			1		1	3	1	1				
July		1	2	1	3	3	6	4	7	3		1	2	1	4	6	5	7	3	1		1		3	2	7	5	5	1									2	3					
August		1	1	2	5	7	2	4	5	4		1	1	4	5	7		6	5	1		1	2	2	5	2	5	2	5									1	1	1	1			
September		4	3	4	3	2	4	1	7	2	2	1	6	6	1	3	4	2	5			3	3	6	7	3	4	2	2			1	1			1		1	1	2				
October				1	3	4	8	5	7	3				2	3	3	3	9	5	4	2		1	2	3	2	6	6	5	2							1	1	2	1				
November			4	2	4	5	6	5	1	3		1	7	6	3	2	7	1	2	1		1	1	8	3	6	4	4	2	1						3								
December				4	7	7	3	6	3					6	7	7	5	3	2						3	8	9	6	4						1	3	5	4						
Year	1	9	23	30	41	46	59	75	58	19	1	2	14	34	45	41	53	79	60	27	5	1	1	18	30	40	56	72	75	34	12	2	1	2	11	17	26	23	13	8				

Upper Air Frequency Table IX for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED KNOTS	WINDS AT SURFACE : Number of observations at 1100 Zone Time of :-																															
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS								
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344						
January	2.0	2												4										1	1								6
February	4.8	2	2											3		1								1	1	1							7
March	5.0		2											3										1	1								5
April	3.2	1	2											6										1	1								9
May	3.8	6												3		1				1	1	1	1						1				9
June	3.8	3	2											5									1	3	1								10
July	5.4	3	1											1	1				1	1	1												5
August	4.4	5	1											3	2								2	1						1			9
September	6.1	5	2											2								2	3	2									9
October	7.3	3	1	1										2	1								1	2			1						7
November	3.0	6	1											8									1	6									15
December	1.4	5												12										1	3	1							17
Year	—	41	14	1										52	4	2	1			2	11	24	9			2			1			108	

Upper Air Frequency Table X for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 900 mb. : Number of observations at 1100 Zone Time of :-																											
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS				
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344		
January	11.3	2	4																3	2								6	
February	5.9	4	2											1	2	2		1		1									7
March	7.8	3	2												1	1				1	1							5	
April	8.1	5	3	1												2			2	1	2							9	
May	9.0	5	3	1													2	1	1	2								9	
June	7.4	5	4											1		1		1	1	2			1			1		9	
July	13.4	1	3	1													1		4	1					1			10	
August	15.8	2	4	3											2	1	1			1	1							5	
September	11.4	5	3		1										3		1	1		3	1							9	
October	17.9	2	3		2										1	1				1	5				1			9	
November	8.3	8	5	1												1			1	2	1	1				1		7	
December	4.5	14	2												1	1	3	1	2	1	3	1			1			15	
														1	3	2	2		1	1	3	3	1					17	
Year	—	56	38	7	3									4	13	13	8	3	7	5	19	23	4	4	3	2		108	

Upper Air Frequency Table XI for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 850 : Number of observations at 1100 Zone Time of :—																							NUMBER OF ASCENTS	
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)											
	1	10	20	30	40	60	80	100	120	140	160	>179	345		015	045	075	105	135	165	195	225	255	285		315
KNOTS	to 9	to 19	to 29	to 39	to 49	to 59	to 69	to 79	to 89	to 99	to 109	to 119	to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314	to 344		
January	12.5	2	3	1											1					3	2				6	
February	7.4	3	3										1		3	1			1					1	7	
March	9.4	3	1	1										1			1				1	1			5	
April	10.0	2	5	1									1			3				1	3		1		9	
May	11.6	4	5											1				1	1	1	2	1	1	1	9	
June	10.8	4	3	2									1							1	4	2	2		10	
July	13.4	1	4											3		1					1				5	
August	16.9		6	3										3				2		3		1			9	
September	11.6	3	4	1										1	1			1		4		1			8	
October	17.9	2	3		2									1							3	1	1	1	7	
November	10.6	7	2	4									1		2	3	1	2			3	1	1		14	
December	5.5	14	3												3	3	3	2	1	3	2				17	
Year	—	45	42	13	2								4	10	10	11	5	8	3	16	21	8	7	1	2	106

Upper Air Frequency Table XII for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 800 mb. : Number of observations at 1100 Zone Time of :-																						NUMBER OF ASCENTS						
		SPEEDS (knots)													CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)														
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254		255 to 284	285 to 314	315 to 344			
January	13.4	2	2		1														1	2	1								5	
February	8.0	3	3											1	1	1	1		1						1				7	
March	11.0	3	1	1										1					1						2	1			6	
April	12.5	1	5	1										1								3				3	1		8	
May	15.0	4	2	3											1	1			1	1	1				2	1	1		9	
June	15.0	3	2	1	2									1					1						4	2	1		9	
July	14.8	1	2	2																					1			1	5	
August	12.6	2	5	1										2		1				1							1	1	8	
September	13.6	4	1	1	1									1					1	1	3				1	1			7	
October	19.0	3	2		2																						2	2	1	7
November	11.7	8	2	3											1	1	2	1		2	1	3			1	1			13	
December	6.0	15	2												1	2	1	1	5	2	3	2							17	
Year	—	49	29	13	6									3	8	6	8	2	9	8	12	20	10	7	4	3			100	

Upper Air Frequency Table XIII for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 700 mb. : Number of observations at 1100 Zone Time of :-																										
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS			
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344	
January	18.3	1	2	1	1										1				2	2								5
February	10.0	2	2	1										1	1		1				1	1				1		6
March	14.6	2	2		1															1	2			1	1		5	
April	14.0	3	2	3											1	3		1			1	2					8	
May	24.9		4		3	1											1		1	2	3			1			8	
June	18.0	1	3		1												1		1	2							5	
July	18.8		3	2										1		1							1		2		5	
August	16.7	1	4	1	1													3	1	1	1			1			7	
September	20.8	1	2	2	1									1							3	2					6	
October	23.3	1		3	2														1		2	1	2				6	
November	13.5	6	2		1	1											2	1	1		2	3	1				10	
December	8.5	8	5												1	1		1	2	1	2	4	1				13	
Year	—	26	31	13	11	2								1	4	6	2	4	6	6	9	16	16	5	7	2	84	

Upper Air Frequency Table XIV for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED KNOTS	WINDS at 600 mb. : Number of observations at 1100 Zone Time of :—																							NUMBER OF ASCENTS				
		SPEEDS (knots)													CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)													
		1 to 0	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344		
January	24.5		2	1		1												1	2									4	
February	10.0	2	4																							2	1	6	
March	21.2	1	1	2	1														1	3	1							5	
April	17.9	2	4	1	1														2		2					1		8	
May	24.9	1	2	1	1	2																					1	7	
June	22.0		2	2	1																					1	2	5	
July	19.6		2	3																						1	1	1	5
August	20.8		2	2	1																					1	1	5	
September	25.2		3		3																					1	2	1	6
October	31.8			2	2	1																				1	1	2	5
November	18.5	4	1	1		2																				1	1	8	
December	10.6	9	1	3																								1	13
Year	—	19	24	18	10	6																							77

Upper Air Frequency Table XV for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 500 mb. : Number of observations at 1100 Zone Time of :—																					NUMBER OF ASCENTS								
		SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)																
	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179	345 to 014		015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254		255 to 284	285 to 314	315 to 344					
January	30.3		2		1	1												1	1	1											4
February	15.3	1	4	1														1									1	2	2		6
March	37.6		1		4														2	2	1										5
April	20.4	1	2	3	1															1	2						1				7
May	27.0	1	1	2	1		1									1	1	1	1							2					6
June	27.0		1	2	1	1										2		2	1												5
July	22.6		3	1	1												1			1	2						1				5
August	35.4		1	1		3										1	1	1			1	1									5
September	27.8		1	2	1	1														1	2								2		5
October	35.3			1	2	1													1	1	1	1									4
November	19.6	4	1	1		2												3	1	2	1	1									8
December	12.8	3	6	1													1	2	3	3	1										10
Year	—	10	23	15	12	9	1										2	3		4	7	8	13	14	10	5	4			70	

Upper Air Frequency Table XVI for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 400 mb. : Number of observations at 1100 Zone Time of :-																									NUMBER OF ASCENTS		
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)														
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314	315 to 344			
January	47.3			1	1		2												1	1	1								4
February	22.2	1		4	1														1			1	1	2	1				6
March	52.4		1			1	3														2	2	1						5
April	28.5			3	3										1		1				1		1						6
May	40.8		2		1	1		1									1		2			1							5
June	35.0			2	2		1											2	2	1									5
July	29.0		1	2		1										1					2	1							4
August	42.0			1		2											1	1	1										3
September	34.8		2		1	2																1	1	2	1				5
October	42.3				2		1														1	1		1					3
November	16.6	4	1	1		1											1	2			3	1							7
December	16.0	3	4	2	1														2	1	6	1							10
Year	—	8	11	16	12	8	7	1									1	2	1	2	2	7	8	11	17	5	5	2	63

Upper Air Frequency Table XVII for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 300 mb. : Number of observations at 1100 Zone Time of :—																										
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)										NUMBER OF ASCENTS			
	KNOTS	1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284		285 to 314	315 to 344	
January	49.5		1			2		1												1	1	1				4		
February	21.0	1	2	2		1								1								1	1	1	2	6		
March	—																									0		
April	31.2		1	2	1	2								1	1				1			1	2			6		
May	63.7		1		1					1									1	1	1					3		
June	33.7			1	2	1												2	1	1						4		
July	31.3		1	1	1	1										1			1			2				4		
August	42.3			1		2											1	1		1						3		
September	34.8		2	1		1	1														1		1	3		5		
October	47.0				1	2														1	1	1				3		
November	21.2	2	3				1									1	1	1	1	2						6		
December	21.9	1	3	3	3														1	1	6	1		1		10		
Year	—	4	14	11	9	12	2	1		1						2	2		1	2	6	6	7	15	5	2	6	54

Upper Air Frequency Table XVIII for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 200 mb. : Number of observations at 1100 Zone Time of :—																									
		SPEEDS (knots)												CALMS AND LIGHT VARI- ABLE	DIRECTIONS (degrees)											NUMBER OF ASCENTS	
		1	10	20	30	40	60	80	100	120	140	160	>179		345	015	045	075	105	135	165	195	225	255	285		315
		to 9	to 19	to 29	to 39	to 59	to 79	to 99	to 119	to 139	to 159	to 179			to 014	to 044	to 074	to 104	to 134	to 164	to 194	to 224	to 254	to 284	to 314		to 344
January	49.5			2		2													1	1	1						4
February	16.2	2	1	1	1																	2	2		1	5	
March	—																									0	
April	27.2		1	2	2									1									2		2	5	
May	48.3	1			1					1								1	1		1					3	
June	30.5				2												1	1								2	
July	38.0		1			2																3				3	
August	36.0				1	2											1	1						1		3	
September	39.5			2	1			1													1		3			4	
October	61.0					1	1														1		1			2	
November	13.8	1	3	1														1			3		1			5	
December	9.2	7	3																	2	2	2	1	2		10	
Year	—	11	9	9	7	7	2		1											4	4	3	12	6	9	5	46

Upper Air Frequency Table XIX for Argentine Islands, 1955.

MONTH	MEAN WIND SPEED	WINDS at 150 mb. : Number of observations at 1100 Zone Time of :—																								NUMBER OF ASCENTS				
	KNOTS	SPEEDS (knots)												CALMS AND LIGHT VARIABLE	DIRECTIONS (degrees)															
		1 to 9	10 to 19	20 to 29	30 to 39	40 to 59	60 to 79	80 to 99	100 to 119	120 to 139	140 to 159	160 to 179	>179		345 to 014	015 to 044	045 to 074	075 to 104	105 to 134	135 to 164	165 to 194	195 to 224	225 to 254	255 to 284	285 to 314		315 to 344			
January	26.3		1	1	1															1	2							3		
February	14.0	1	2	2																		1	2	2				5		
March	—																											0		
April	26.0		1	1	3													1						2	1	1		5		
May	25.0	1				1																	1			1		2		
June	33.5				2																2							2		
July	47.3					3																3						3		
August	33.0		1			2												1	1						1			3		
September	61.3					3		1														1			3			4		
October	64.5					1		1														1			1			2		
November	14.0	1	1	2																		2	1	1				5		
December	10.0	5	5																			2	3	2	1			10		
Year	—	8	11	6	6	10		2										1	1	2			1	2	4	11	8	11	3	44

Upper Air Frequency Table XXII for Argentine Islands, 1955.

HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 50 ft. ranges :- 22

850 mb. Mean height 3,880 ft. I.C.A.N. height 4,780 ft.

MONTH	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485			
	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	
	269	274	279	284	289	294	299	304	309	314	319	324	329	334	339	344	349	354	359	364	369	374	379	384	389	394	399	404	409	414	419	424	429	434	439	444	449	454	459	464	469	474	479	484	489			
January																		1	1	1			2	1	2	2		3	3	7	1	1	1	1		2	1				1							
February															1	4	2	1	3	2	1	1	4	1	2	2	2	1	1																			
March														2		1	3		1		3	2	1	3	3	1		2	2	2	2	1		1		1												
April													1	1	3	1	2			6	4	1	1	3	1	1	2	1					1			1		1		2	2							
May														1	2			2		2	1	3	1		4	2		1		1	1				1	1	2	2	1				2					
June												1	1			1	2	1			1	1	1	3	1	2	2	1	4	1	1		3	1	2													
July										1				1	3	1		1	1	2	1		1	2	2	3	1	2	1	2	1	2										1	1					
August										1			1					1	4	1	2	2	1	1			2	2	1	3	2	2	1	1	2								1					
September				1					1				1									2	2	1		1	1	1	1		2	2	1	1	5	2	1	2	2									
October												2		1	3	2	2	3	2	1	2	1	2		3	2	1	3								1												
November															2			3	1		2	3	6	3	2	5	1			1		1																
December																						1	3			1	2	1	3	2	10	3	1	1	1	1	1	1	1									
Total				1					1		2	3	4	6	14	10	11	13	13	15	19	17	24	17	21	22	14	18	15	21	20	11	8	10	9	7	6	6	2	1			2					

Upper Air Frequency Table XXVI for Argentine Islands, 1955.

HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges:— 22

MONTH

500 mb. Mean height 16,790 ft. I.C.A.N. height 18,280 ft.

	140	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190					
January																						2	6	3	1	2	4		6	1	3	2												1						
February																		2	2	4	3	4	5	4	1	2	1																							
March																	2	1	1	5	8	4	2	1	2		2		2		1																			
April																	1	5	4	2	5	5	4			1	1	1	1																					
May																1	2		4	1	2	4	4		2		1	1		2	1	3			2															
June											1	1	1	2			2		1	4	1	1	2	3	4		1	4	1																					
July										1		1		2	1		2	3	3	2		4	1	4	3			1		1		1																		
August														1	3		3	1	1	1	2	3	2	6	2	1	3	1	1																					
September													1		1			1		2	1	4	3	1	2	3	1		5	1	1	3																		
October													1	2	2	2	2	3	2	4		5	2	4	1				1																					
November															1	1	1	1	2	2	5	3	9	2	1	1	1																							
December																				2				1	2	2	10	7	2		1	1	1	1																
Total											1	1	4	4	11	4	7	15	16	26	26	34	41	39	23	28	17	13	13	13	6	9	7			2	1													

Upper Air Frequency Table XXVIII for Argentine Islands, 1955.

HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges:—

22

300 mb. Mean height 28,030 ft. I.C.A.N. height 30,050 ft.

MONTH

	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302					
January																							1	3	5	1	1	1	1	1	2	2	1	3	1	4	1		2											
February																			1	3	4	4		5	5	2		1	2				1																	
March																	1	2	3	2	3	3	3	1	3	1	1			1		1			1	2														
April														1	2	1	1	3	1	3	5	3	2	4					2	1	1																			
May																2	2		3	2	2	3	1	1	1	3		1	1	1	1	1	1	1	1	2		1												
June								1		1	1	2	1				1		3		1	1	3		2	1	2	1	2	3	2																			
July								2	1		1			1	2	2	1		2		3	3	2	3	1	1		1	1			2						1												
August										2	2	1	1	1			2	3		3	2	4		2	1	1	2	2																						
September										1							1		3	3	2	2	2		3	1	2			4	2	1	1																	
October										1	4	1	2	1	2		3	2	2	1		3	2	1	1		1	1				1																		
November												1	1				1	3	1	4	4	2	6	1	5		1																							
December																		1	1						1	8	2	4	4	3		1		1	1															
Year								2	2		6	7	5	6	4	5	12	13	12	22	21	28	30	17	23	32	16	13	10	10	11	9	7	5	5	4	7	3												

Upper Air Frequency Table XXIX for Argentine Islands, 1955.

HEIGHT AT STANDARD LEVELS : Number of observations at 1100 Zone Time in 100 ft. ranges:—

22

200 mb. Mean height 36,520 ft. I.C.A.N. height 38,630 ft.

MONTH	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386						
January																												2	1	4	3	1	1	1	4	1	4		3		1	1	1								
February																											4	4	4	3	2	3	2	3	1	1	1	1													
March																						2	4	2	4	2	3	1	2		2	1		1		1	1	1													
April																		3	2		1	2	2	1	3	2	3	4		3		1	1		1																
May																		1	2	3	2		3	1	4		2	1	1		1	1	1	2	2	1															
June							1			1		1	1	1	1		2	1	2	3		2		2	2	4	1			1																					
July				1		1	1	2		1			1	2			2	5	4	2		2	2		1			1		1																					
August							1	1	1	1	2	3	1	2	3	2	2		2	1		1	2	2	1																										
September							1								2	1		5	1		2	2	3	1		2	1	4	1		1																				
October								1	1	1	3	2	1	2	1	3	3	1	2		3		1	1		1			1																						
November											1		1		1	2	3	2	1	2	5	6	1	1	1	1	1	1		1																					
December																2					1					1	3	5	4	4	2	3			1	1															
Year				1		1	4	4	2	4	6	6	5	7	8	8	13	19	19	10	12	16	18	14	11	18	20	24	12	15	14	9	7	6	8	4	6	1	3			1	1	1							

Means and Extremes Table I for Horseshoe Island, 1955.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)														
	1-2 DAILY MEAN	EXTREMES ³				MEAN AT ¹								1-2 DAILY MEAN	MEAN ¹ DAILY		EXTREMES			
		HIGH	DATE	LOW	DATE	0200	0500	0800	1100	1400	1700	2000	2300		MAX.	MIN.	MAX.	DATE	MIN.	DATE
January																				
February																				
March																				
April																				
May																				
June																				
July																				
August																				
*September	990.5	1012.7	22nd	946.4	29th	18.8		16.8		19.3		18.3		18.3	26.2	11.0	38	7th	-17	17th
*October	975.6	1004.7	22nd	949.2	14th	20.5		21.6		24.1		22.4		22.1	27.0	15.2	36	23rd	-1	27th
November	984.6	1005.3	12th	970.0	2nd	20.7	21.3	23.3	24.9	25.6	25.2	23.6	21.9	23.3	28.0	18.8	36	8th	9	1st
December	996.7	1008.8	31st	980.3	5th	28.4	29.5	30.9	33.0	33.6	33.3	32.5	30.1	31.4	35.5	27.2	42	29th	16	1st
Total	3947.4	4031.5	—	3845.9	—	88.4	50.8	92.6	57.9	102.6	58.5	96.8	52.0	95.1	116.7	72.2	152	—	7	—
Mean	986.9	1007.9	—	961.5	—	22.1	25.4	23.1	28.9	25.7	29.3	24.2	26.0	23.8	29.2	18.1	38.0	—	1.7	—

* 4 observations only September and October. 25 days readings max. and min. September. 20 days readings max. and min. October.

Means and Extremes Table II for Horseshoe Island, 1955.

MONTH	RELATIVE HUMIDITY %									CLOUD AMOUNT (oktas)									SUNSHINE			RAINFALL (mm.) ¹								
	MEAN AT ¹								1-2 DAILY MEAN.	MEAN AT								1-2 DAILY MEAN	MEAN Daily		Mean Length of Day	TOTAL	MAX. FALL	DATE						
	0200	0500	0800	1100	1400	1700	2000	2300		0200	0500	0800	1100	1400	1700	2000	2300		REC.	EST.										
January																														
February																														
March																														
April																														
May																														
June																														
July																														
August																														
*September	82		83		78		81		81	5.2		6.4		6.4		5.5		5.9	2.1	2.4	11.8									
*October	79		80		78		80		79	5.9		7.2		7.5		7.1		6.9	1.3	1.5	15.8									
November	72	72	71	69	68	68	70	71	70	5.4	5.5	5.0	4.6	4.7	4.8	4.9	5.2	5.0	7.5	10.0	20.8									
December	78	75	73	70	70	71	73	77	73	5.6	5.5	5.5	5.5	5.2	5.3	5.4	5.6	5.5	7.6	10.2	24.0				Not recorded	Not recorded				
Total	311	147	307	139	294	139	304	148	303	22.1	11.0	24.1	10.1	23.8	10.1	22.9	10.8	23.3	18.5	24.1	72.4									
Mean	78	73	77	69	73	69	76	74	76	5.5	5.5	6.0	5.1	5.9	5.1	5.7	5.4	5.8	4.6	6.0	18.1									

* 4 observations only September and October.

Frequency Table I for Horseshoe Island, 1955.

MONTH	M. S. L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																				
	935.0 <i>to</i> 939.9	940.0 <i>to</i> 944.9	945.0 <i>to</i> 949.9	950.0 <i>to</i> 954.9	955.0 <i>to</i> 959.9	960.0 <i>to</i> 964.9	965.0 <i>to</i> 969.9	970.0 <i>to</i> 974.9	975.0 <i>to</i> 979.9	980.0 <i>to</i> 984.9	985.0 <i>to</i> 989.9	990.0 <i>to</i> 994.9	995.0 <i>to</i> 999.9	1000.0 <i>to</i> 1004.9	1005.0 <i>to</i> 1009.9	1010.0 <i>to</i> 1014.9	1015.0 <i>to</i> 1019.9	1020.0 <i>to</i> 1024.9	1025.0 <i>to</i> 1029.9	1030.0 <i>to</i> 1034.9	1035.0 <i>to</i> 1039.9
	January																				
February																					
March																					
April																					
May																					
June																					
July																					
August																					
*September			4		4	3	2	3	8	13	16	12	16	19	15	5					
*October			1	3	3	12	16	21	32	15	6	9	2	4							
November								32	35	60	62	27	17	5	2						
December									25	18	26	105	53	21							
Year			5	3	7	15	18	56	75	113	102	74	140	81	38	5					

* 4 observations only September and October.

Frequency Table III for Horseshoe Island, 1955.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 5																			
	<	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	= >	
	15	19	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	100	
January																				
February																				
March																				
April																				
May																				
June																				
July																				
August																				
*September									1	2	3	6	14	23	23	24	18	6		
*October										1	9	15	18	25	14	12	24	6		
November								2	10	37	52	18	25	22	44	25	5			
December									3	13	31	42	50	35	39	23	11	1		
Totals								2	14	53	95	81	107	105	120	84	58	13		
Mean								—	—	—	—	—	—	—	—	—	—	—		

* 4 observations only September and October.

Frequency Table IV for Horseshoe Island, 1955.

Number of observations, at all hours, of:-

MONTH	VISIBILITY ⁰										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS ⁷ (metres)															NO CLOUD								
	< 40m	40m - 200m	200m - 400m	400m - 1km	1km - 2km	2km - 4km	4km - 10km	10km - 20km	20km - 40km	=	0	1-2	3-5	6-7	8	9	ALL AMOUNTS							7-8 OKTAS																
																	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600	600 to 1200	1200 to 2400	2400 to 6000	=	>	0 to 30	30 to 60	60 to 120	120 to 300	300 to 600		600 to 1200	1200 to 2400	2400 to 6000	=	>			
January																																								
February																																								
March																																								
April																																								
May																																								
June																																								
July																																								
August																																								
September*	1	2	1	8	1	2	17	19	6	63	12	17	16	21	48	6	6	6	16	(1) 15	(5) 38	(1) 27	3	6	6				6	(1) 8	(4) 11	18	2	1	3					
October*		3	3	5	4	6	20	24	7	52	9	16	21	18	49	11	11	1	3	13	(2) 55	(14) 32	8		11		1	1	10	25	(6) 17	4		1						
November			1	5	4	1	10	15	25	179	60	64	22	38	55	1	1	4	7	(1) 32	(10) 62	(24) 74	29	18	1		4	5	(1) 12	(10) 29	(17) 6	3	1	13						
December							4	11	12	221	52	67	31	29	69			1	16	(2) 35	(21) 90	(17) 54	35	12		1	11	9	(13) 22	(11) 20	9	1	5							
Total	1	5	5	18	9	9	51	69	50	515	133	164	90	106	221	18	18	6	6	42	(4) 95	(35) 245	(56) 187	75	36	18		6	23	(2) 39	(27) 87	(34) 61	18	3	22					
Mean	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

* 4 observations only September and October.

Frequency Table V for Horseshoe Island, 1955.

MONTH	WEATHER: No. of Days ¹																								
	TEMPERATURE ⁸				PRECIPITATION ¹			⁹	⁹	^{10 & 18}	¹⁰	¹⁰	^{10 & 18}	¹⁰	¹¹	¹¹	¹²	¹³	¹⁴	^{10 & 15}	^{10 & 16}		^{10 & 17}		
	HIGH MIN.	LOW MAX.	LOW MIN.	HIGH MAX.	>0.10 mm	>1.0 mm	>10.0 mm	WIND FORCE \geq 6	WIND FORCE \geq 8	RAIN	SNOW	SLEET	DRIZZLE	THUNDER	CLOUDY	CLEAR	SNOW LYING	GROUND FROST	DRIFT	SHOWERS	FOG		HAIL		
	>32°F	<5°F	<-4°F	>41°F	=	=	=														True	Pseudo	True	Small	Soft
January																									
February																									
March																									
April																									
May																									
June					Not recorded	Not recorded	Not recorded																		
July																									
August																									
*September			2					18	2		18	2			16	1	Not recorded	Not recorded							
*October								18	4		25	3			27				21		4	9			3
November								11	2		15	1			12	5			27	4	1	11			2
December	3			1				3			15	1			17	4			17	4		3			3
Total	3	0	2	1				50	8	0	73	7	0	0	72	10			65	8	6	23	0	0	12
Mean	1	—	1	—				—	—	—	18	2	—	—	18	3			16	2	1	6	—	—	3

* 4 wind observations only September and October.

Frequency Table VI for Horseshoe Island, 1955.

MONTH	2 MEAN WIND SPEED	WIND : Number of observations, at all hours, of :— ¹																
		FORCES (Beaufort)					DIRECTIONS (degrees)											
	KNOTS	8 or more	6 to 7	4 to 5	1 to 3	CALM	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340
January																		
February																		
March																		
April																		
May																		
June																		
July																		
August																		
*September	13.5	3	28	40	22	27	3	32	30	7		2	2	5	6	3	1	2
*October	14.5	4	31	46	25	18	4	57	20	5			5	8	3	1	2	1
November	12.7	4	37	84	89	26	3	35	68	46	1		8	21	22	9	1	
December	6.2		6	29	152	61	6	39	36	11			9	51	22	7	2	4
Total	46.9	11	102	199	288	132	16	163	154	69	1	2	24	85	53	20	6	7
Mean	11.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

* 4 observations only September and October.

Frequency Tables VII to X for Horseshoe Island, 1955.

WIND FORCES IN TWELVE 30° SECTORS

* TABLE VII — SEPTEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		2	1					1				1	5
2		3	2	1				1					7
3	1	2		2		2	1	1	1				10
4	1	4	8	3			1	1	1				19
5	1	11	7					1	1		1		21
6		8	8					1	3	1		1	22
7		2	2							2			6
≥ 8			2	1									3
Totals	3	32	30	7		2	2	5	6	3	1	2	93

CALMS - 27

* TABLE VIII — OCTOBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	2					2	1					6
2		1					1	1					3
3		7	5				2	2					16
4		17	7					2	1				27
5	1	10	2	3				2	1				19
6	1	17	3						1	1	1	1	25
7		3		2									6
≥ 8	1		3								1		4
Totals	4	57	20	5			5	8	3	1	2	1	106

CALMS - 18

TABLE IX — NOVEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1		5	3				2	1			1		12
2	3	2	3	1	1		2	9	3	1			25
3		12	18	5			4	7	6				52
4		7	17	5				4	10	6			49
5		7	12	11					3	2			35
6		2	5	13									20
7			8	9									17
≥ 8			2	2									4
Totals	3	35	68	46	1		8	21	22	9	1		214

• 4 observations daily.

CALMS - 26

TABLE X — DECEMBER.

BEAUFORT FORCE	350 to 10	20 to 40	50 to 70	80 to 100	110 to 130	140 to 160	170 to 190	200 to 220	230 to 250	260 to 280	290 to 310	320 to 340	ALL DIR.
1	1	4					2	5			1	2	15
2	4	15	5	3			3	16	8	4	1	2	61
3	1	16	12	1			4	27	12	3			76
4		4	11	1				3	2				21
5			5	3									8
6			2	3									5
7			1										1
≥ 8													1
Totals	6	39	36	11			9	51	22	7	2	4	187

CALMS - 61

Frequency Table XI for Horseshoe Island, 1955.

BEAUFORT FORCE	* WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually ¹												ALL DIRECTIONS
	350	20	50	80	110	140	170	200	230	260	290	320	
	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	<i>to</i>	
	10	40	70	100	130	160	190	220	250	280	310	340	
1	2	13	4				6	8			2	3	38
2	7	21	10	5	1		6	27	11	5	1	2	96
3	2	37	35	8		2	11	37	19	3			154
4	1	32	43	9			1	10	14	6			116
5	2	28	26	17				2	5	2	1		83
6	1	27	18	16				1	4	2	1	2	72
7		5	11	11						2	1		30
= > 8	1		7	3									11
Totals	16	163	154	69	1	2	24	85	53	20	6	7	600

CALMS 132.

* 4 observations daily September and October. 8 observations daily November and December.

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