FALKLAND ISLANDS AND DEPENDENCIES

METEOROLOGICAL SERVICE

Weather Messages

1 January 1960

FALKLAND ISLANDS AND DEPENDENCIES

METEOROLOGICAL SERVICE

Weather Messages

1 January 1960

Notes on Codes Used.

W.M.O. Regional Codes for Antarctica are used together with the national instructions shown below.

International code forms used are :

FM 11.A - SYNOP

FM 21.A, FM 22.A, FM 23.A - SHIP

FM 31 - NEPH

FM 32.A - PILOT

FM 35.A - TEMP

FM 46.A - IAC FLEET

FM 71 - CLIMAT

FM 75 - CLIMAT TEMP

FM 11.A SYNOP

The code form used is as given in W.M.O. – No. 9., TP. 4., Volume B., Chapter II. Section VII.

(i) Group $7RRR_{G}s_{n}$

This group will be reported whenever precipitation has occurred.

RR = 99 when measurement is impossible: s_n = x when measurement is impossible: R_G is given whenever possible. If RR = 0 the group is omitted.

FM 32.A PILOT

The code form used is as given in W.M.O. – No. 9., TP. 4., Volume B., Chapter II., Section VII.

(i) The interval indicator i_h is reported as 4 or 9.

(ii) Significant levels are included in Section 1. Section 3 is not used.

Other code forms are as prescribed in W.M.O. – No. 9., TP. 4., Volume B.

LEGEND

The heading

1	2	3	4	5

has the following meaning :

Time of transmission	Time of observation	Type of message	Form of code used	Details of message

Column 1 – Time of transmission

This is the time of the commencement of the message in G.M.T.

Column 2 – Time of observation

In synoptic and upper air messages this is the hour at which the observations were made. In forecast messages a reference is made to an explanatory note, which gives the period of validity.

Column 3 – Type of message

This is given in recognised code words, or in plain language.

Column 4 – Form of code used (see page 1). **The following international codes are used :**

Surface observations	SYNOP	FM 11.A
	SHIP	FM 21.A, FM 22.A & FM 23.A
Upper Air observations	NEPH	FM 31
	PILOT	FM 32.A
	TEMP	FM 35.A
Analyses ...	IAC FLEET	FM 46.A
Climatological summaries	CLIMAT	FM 71
Aerological summaries	CLIMAT TEMP	FM 75

The form of plain language storm warnings is as follows :–

1. International call (TTT).
2. Statement of type of warning (gale, etc.)
3. Time of reference (G.M.T.)
4. Type of disturbance with statement of centre of low pressure in millibars.
5. Location of disturbance in terms of latitude and longitude.
6. Direction and speed of movement of disturbance.
7. Extent of affected area.
8. Force and direction of wind in various sectors of affected area.
9. Further indications (forecast).

Plain language forecasts are given for areas which will be defined by reference to the chart on page 3.

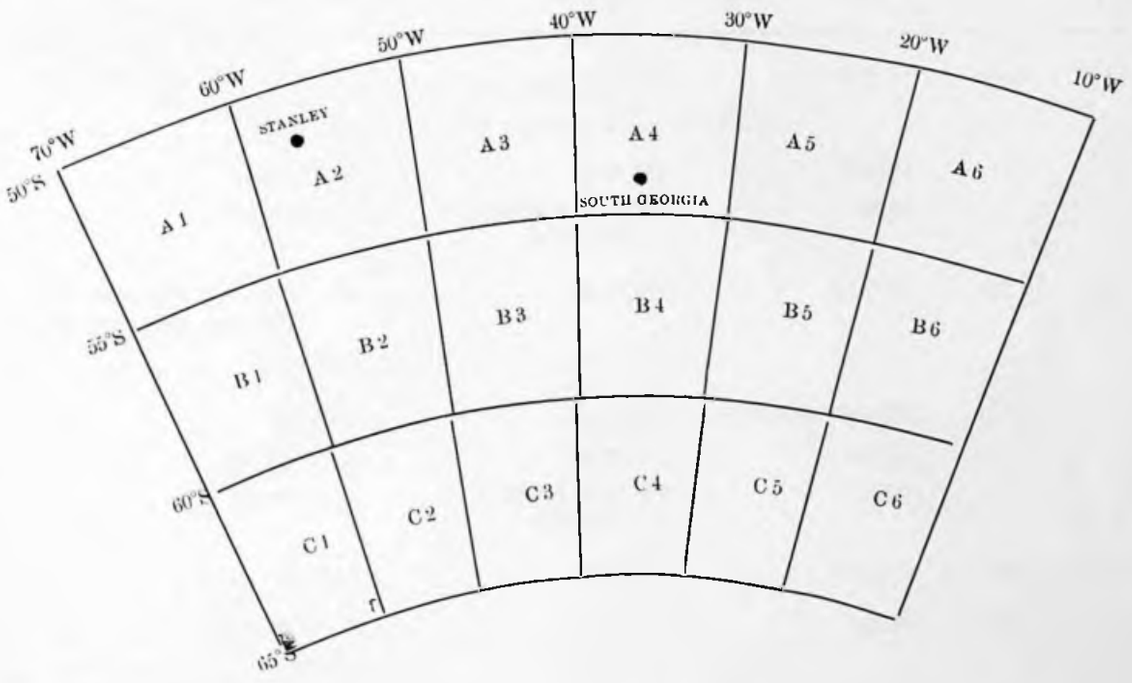
Column 5 – Details of message

In synoptic and upper air messages (including CLIMAT and CLIMAT TEMP), index numbers of reporting stations are shown. The regional indicator (II) is separated from the station indicator (iii) by a colon. Thus 88: 884, 888, 890 = 88884, 88888, 88890.

This column is also used to give details of the areas covered by forecasts.

FALKLAND ISLANDS AND SOUTH GEORGIA

WEATHER FORECAST AREAS



FALKLAND ISLANDS

National Broadcast.

Denomination of Broadcast – Collective message of reports from the Falkland Islands and Dependencies.

Transmitting Station Call Sign	Broadcast Times	Frequencies kc/s	Type of Modulation	Power
Meteor Falklands ZHF 88	0100	5100[1]	A_1	1.5 KW.
		9100[2]	A_1	1.5 KW.
		12300	A_2	7.0 KW.
	1300	9100	A_1	1.5 KW.
		19800	A_2	7.0 KW.
	1900	9100	A_1	1.5 KW.
		12300[1]	A_2	7.0 KW.
		19800[2]	A_2	7.0 KW.

1	2	3	4	5
0100	2300	SYNOP	FM 11.A	88: 890, 903, 925, 934, 938 940, 952, 959. 89: 022.
		PILOT	FM 32.A	As available
		SHIP	FM 21.A, FM 22.A, FM 23.A	As available
1300	1200	SYNOP	FM 11.A	88: 884, 888, 890, 903, 925, 934, 938, 940, 952, 959. 89: 022.
	0600	SYNOP/RETARD	FM 11.A	As 0100
		PILOT	FM 32.A	As available
		SHIP	FM 21.A, FM 22.A, FM 23.A	As available
1900	1800	SYNOP	FM 11.A	As 0100
	1200	TEMP	FM 35.A	88: 890, 952. 89: 022
		PILOT	FM 32.A	As available
		SHIP	FM 21.A, FM 22.A, FM 23.A	As available

Notes:

1) From 1st May to 30th September.

2) From 1st October to 30th April.

CLIMAT reports are broadcast on the 4th and 5th of each month as follows :

CLIMAT	88: 890
CLIMAT (First two groups only)	88: 903, 925, 934, 938, 940, 952, 959. 89: 022
CLIMAT TEMP	88: 890, 952. 89: 022

FALKLAND ISLANDS

Denomination of Broadcast — Forecast for domestic purposes.

Station : STANLEY

Area affected : Falkland Islands and coastal waters.

Transmitting Station Call Sign	Broadcast Times	Frequencies kc/s	Type of Modulation	Power
Meteor Falklands ZHF88	0130[1]) 1515 2115)	3700	A 3	0.35 KW.

1	2	3	4	5
0130	2)	Storm warnings and forecast	in clear	For area affected
1515	2)	Storm warnings and forecast	in clear	For area affected
2115	2)	Storm warnings and forecast	in clear	For area affected

1) From 1st January to 31st March only.

2) Valid for 24 hours with a further outlook for 12 hours.

FALKLAND ISLANDS

Weather Messages for Shipping

Denomination of Broadcast – Weather bulletin for shipping between 50° S. and 65° S., 70° W. and 40° W. [1]

Station, Falkland Islands – 1st December to 31st March [2] [3].

Transmitting Station Call Sign	Broadcast Times	Frequencies kc/s	Type of Modulation	Power
Meteor Falklands ZHF 88	0200 1500 2130	9100 7425	A 1 A 1	1.5 KW. 0.35 KW.

1	2	3	4	5
0200	4)	Storm warnings	In clear	Gale/Storm warnings.
		Situation	In clear	Brief description of situation in area affected
		Forecast	In clear	Forecast for area affected [1] [3]
1500	4)	Storm warnings Situation Forecast	In clear	See 0200
2130	4)	Storm warnings Situation Forecast	In clear	See 0200
		IAC Fleet	FM 46.A	Surface analysis of 1800 G.M.T. chart covering area south of 40°S., between 80°W. and Meridian

1) Reference should be made to the preceding map for area coding.

2) Forecast at 0200 G.M.T. from 1st January to 31st March only.
Forecast at 1500 and 2130 G.M.T. from 1st December to 31st March only.

3) At other times of the year, and for ships outside the standard forecast areas, contact should be made in the first instance with Falklands Radio – VPC in CQ schedules at 0030, 1230, and 2030 G.M.T., on 8107.5 kc/s or on 500 kc/s between the hours of 1230 – 1430 and 1830 – 0130 G.M.T.

4) Valid for 12 hours with further outlook for 12 hours.

FALKLAND ISLANDS
(SOUTH GEORGIA)
Weather Messages for Shipping

Denomination of Broadcast — Weather bulletins for shipping in area south of 50° S., between 40° W. and 10° W. [1])

Gytviken, South Georgia — October to April [2])

Transmitting Station Call Sign	Broadcast Times	Frequencies kc/s	Type of Modulation	Power
ZBH	0215	8642	A 1	0.8 KW
	1515	500 & 8642		
	2115	8642		
	On request [4])	500		

1	2	3	4	5
0215	5)	Storm warnings	In clear	Gale/Storm warnings.
		Situation	In clear	Brief description of situation in area affected.[1]
		Forecast	In clear	Forecast for area 250 miles radius from station [2]). Forecast for area south of 50°S between 40W° and 10°W [3])[4]).
1515	5)	Storm warnings Situation Forecast	In clear	See 0215
2115	5)	Storm warnings Situation Forecast	In clear	See 0215

1) Reference should be made to the preceding map for area coding.

2) During October – April, as required by whaling vessels.

3) During December – April, as required by whaling vessels.

4) Ships between 40° S. and 50° S., and south of 65° S. can be supplied with forecasts by ZBH in return for weather reports in one of the ship's codes or in plain language. Ships should call station ZBH on 500 kc/s or in the 8 mc/s shipping band in CQ schedules at 0100, 1330, and 1930, or at such other CQ times as may be published by ZBH.

5) Valid for 12 hours with further outlook for 12 hours.

AMENDMENT SHEET

No.	Date Issued	Date Entered	Signature
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

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FALKLAND ISLANDS AND DEPENDENCIES

METEOROLOGICAL SERVICE

ANNUAL REPORT

for the year

1960

Presented to the Governor

FALKLAND ISLANDS AND DEPENDENCIES METEOROLOGICAL SERVICE

A N N U A L R E P O R T

for the year

1960

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ANNUAL REPORT ON THE FALKLAND ISLANDS AND DEPENDENCIES

METEOROLOGICAL SERVICE FOR 1960

1. Introduction

The Meteorological Service 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. In addition to the F.I.D.S. Service, limited observations were received from two stations in the Falklands, and these were also supervised by Stanley.

The Chief Meteorological Officer is responsible to the Governor for the efficiency of the Service. The Director-General, Meteorological Office, Air Ministry, in agreement with the Colonial Office, is the controlling authority for the Headquarter's Meteorological Office at Stanley. He is also the controlling authority, through the Chief Meteorological Officer, of the Falkland stations and of the technical work of the meteorological staff at Dependencies' bases. 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 and any other ships operating in the waters of the Falkland Islands and Dependencies, and for any aircraft in these areas.

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

(iii) Provision of surface and aviation forecasts, as required by F.I.D.S. bases.

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

(v) The collection and re-broadcasting of synoptic information from ships in the area.

(vi) The collection and publication of climatic data.

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

The cost of the Service is carried mainly on the Falkland Islands Dependencies budget with a contribution, for the Falklands stations, from the Colony. The estimates for the financial year 1960-1961 are shown in 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 synopsis of standard forecasts and bulletins from Stanley and South Georgia is given in Appendix II. Full details are contained in a "Weather Messages" pamphlet dated 1st January, 1960 and in a publication of the World Meteorological Organisation, W.M.O. No.9. TP. 4.

(a) At Stanley the local forecast for the Falklands area at 1515 G.M.T. was broadcast throughout the year. A second forecast was broadcast at 2115 G.M.T. from January to October, and at 2130 G.M.T. during November and December. An additional forecast at 0130 G.M.T. was broadcast from the 1st January to the 9th April. Thrice daily whaling bulletins for the 1959-1960 season were issued from the 1st January to 9th April. In the 1960-1961 season, twice daily bulletins commenced on the 1st December.

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: - H.M.S. Protector, H.M.S. Leopard, R.R.S. "John Biscoe", R.R.S. "Shackleton", M.V. "Kista Dan", S.S. "Royal Star", S.S. "Stream Bank" and S.S. "Atlantic Ocean".

Special aviation forecasts were supplied to Argentine Islands from the 10th September onwards. From 1st December, the standard whaling bulletins were used. Forecasts were supplied to other bases on request.

(b) South Georgia: - The advertised forecast bulletins for pelagic whaling were issued until the 10th April. Two local whaling forecasts were issued from the 11th April to the 12th May and one local forecast for South Georgia from the 13th May to 29th September. From the 30th September to the 30th November there were again two daily local whaling forecasts. During December, broadcasts for pelagic whaling were introduced in stages with the full programme of forecasts at 0215, 1515, and 2115 G.M.T. operative by the 30th. The following ships received individual forecasts: - "Calpean Star", "Southern Garden", "Southern Opal", "Southern Harvester", "Conquistador", "Polarbris", "Tromstraal", "Altair" and "Tota".

3. Reporting Stations

Full synoptic observations at 0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100 and 2300 G.M.T. were made at Stanley, South Georgia, Signy Island, Admiralty Bay, Deception Island, Argentine Islands and Halley Bay. Observations were also received from Horseshoe Island until the 19th March and from Hope Bay until the 7th May. In addition 342 observations were received from the South African Antarctic base via Halley Bay. Pilot balloon ascents were made whenever possible.

Surface observations were made in code form FM 11.A. During the year codes for pilot balloons and upper air ascents were changed from FM 32.A and FM 35.A to FM 32.B and FM 35.B respectively. In using these codes the approved W.M.O. Regional practices for Antarctica were followed.

Subsidiary stations were maintained in the Falkland Islands at Fox Bay and Darwin. Observations at these stations were made daily at 1200 G.M.T. The observer at West Point Island continued to report wind, weather and cloud at 1200 G.M.T. The reports were of a high standard and were very useful for briefing the local Air Service.

Observations at Fox Bay and Darwin were taken with sufficient regularity to form the basis of monthly and annual climatological summaries. In addition, monthly rainfall returns were rendered by several farmers.

At Argentine Islands and Halley Bay, the daily radio sonde ascent was made at 1200 G.M.T. An extra daily ascent at 2400 G.M.T. was made during the final World Meteorological Interval of the International Geophysical Co-operation from the 10th to the 19th January.

4. Ship Reports

(a) Vessels registered in the Falklands, visiting H.M. Ships and other ships operating in the Falklands and South Georgia area.

Full synoptic reports were received at Stanley from H.M.S. Protector, H.M.S. Leopard, R.M.S. "Darwin", R.R.S. "John Biscoe", R.R.S. "Shackleton", R.F.A. "Wave Knight", M.V. "Kista Dan", S.S. "Royal Star", S.S. "Stream Bank", S.S. "Atlantic Ocean" and U.S.S. "Glacier". In addition several upper air reports were received from the "Glacier" during February and March. About twenty reports were received via the radio station at Grytviken, from tankers and supply vessels en route to or from South Georgia. All these reports were included in FICOL collective messages broadcast from Stanley. A number of messages were received in the 1959-1960 whaling season from factory whaling ships which were unable to make contact with South Africa.

(b) Whaling Vessels 1959-1960 season.

South Africa transmitted collective messages of whaling ship reports at 0930 G.M.T. Reports from Tristan da Cunha and Gough Island were included. A total of 1828 reports was received from January to April, of which 441 were in the Stanley and South Georgia forecast areas, with another 51 to the west of the Stanley area in the Bellingshausen Sea.

(c) Whaling Vessels 1960-1961 season.

During December 491 reports were received, of which 92 were in the Stanley and South Georgia forecast areas.

5. Communications

Details of broadcasts of observations (FICOLS), whaling forecasts and local forecasts are given in Appendix II.

The observations additional to those broadcast were collected as follows:-

(a) 0300 and 0900 G.M.T. with those for 0600 and 1200 G.M.T.

(b) 1500 G.M.T. with those for 1800 G.M.T.

(c) 2100 G.M.T. and 0000 G.M.T. with those for 2300 G.M.T.

The results of pilot balloon ascents and ship reports were included, as available, as well as upper air soundings from Argentine Islands, Halley Bay and the Air Ministry Radio-Sonde Unit at Stanley.

Monthly CLIMAT messages were broadcast for all stations on each FICOL on the 4th and 5th of each month.

Observations from the Falklands Out-stations were collected by the Government R/T Operator.

Communications with reporting stations were generally satisfactory although there was some difficulty at times with Halley Bay.

Communications with McMurdo Sound were unsatisfactory during the first half of the year. After some experiments in July and August, FICOLS were broadcast on the following additional frequency - 14,800 kc/s with a power output of 350 watts. A third frequency of 7425 kc/s was used for the 0100 G.M.T. FICOL during June and part of July, at the request of the South African Meteorological Service, the power output again being 350 watts. This had to be discontinued when the third frequency was required by McMurdo Sound.

Little difficulty was experienced in communicating directly with the various research ships and supply vessels in the area, and it is assumed, therefore, that reception was satisfactory for whaling ships, although no reception reports were received from these vessels.

Both Stanley and South Georgia Meteorological Offices listened regularly to the Argentine (LSV) and Chilean (CCS) National Broadcasts. Reception of these broadcasts was only moderately satisfactory.

6. Climatological and other Returns

The usual climatological returns were made by the bases.

The Annual Meteorological Tables for 1958 were printed and distributed. Tables for 1959 were completed and sent to the printers.

The Daily Weather Report was issued throughout the year.

A revised version of "Wireless Weather Messages" was issued on the 1st January.

The rainfall returns for various places within the Falkland Islands were brought up to date and amended copies distributed to interested persons.

Abridged Meteorological Tables for Halley Bay for the years 1956 to 1959, were duplicated and distributed.

The Annual Report for 1959 was published.

7. Organisation

There were no major changes in organisation.

Work commenced on the building of a new Meteorological Office at Stanley in April.

At Stanley work on solar radiation continued, and at Argentine Islands and Halley Bay measurements of solar radiation, atmospheric ozone and terrestrial magnetism were made.

The Chief Meteorological Officer returned from a visit to South Georgia and Halley Bay in February.

A forecaster from Stanley paid a brief visit to Deception Island in May.

8. Staff

At Stanley, one Assistant left in May, while two others were absent for periods of inter-tour leave, one from January to April, and the other from February to May.

At South Georgia, the Senior Meteorological Assistant left in April.

Other stations had full staff complements throughout the year.

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 some of the equipment was purchased. There were no difficulties.

10. International Co-operation

Copies of the Daily Weather Report (see Climatological and other Records) were sent to the following Meteorological Services:-

Federal Germany, France, Uruguay, Argentina, Chile, Australia, New Zealand, Madagascar, United Kingdom, United States of America, Union of South Africa, Mozambique.

and also to:-

The Napier Shaw Library, Cambridge; Scott Polar Research Institute, Cambridge; Smithsonian Institute, Washington; Mr. Arnold Court, California; Antarctic Institute, Buenos Aires, and F.I.D.S. Scientific Bureau, London.

122 copies of the 1959 Annual Report, 228 copies of the 1958 Annual Meteorological Tables, and 145 copies of the Halley Bay Tables for 1956 to 1959, were distributed to Institutions and individuals all over the world.

At the request of the South African Weather Bureau, an additional frequency was used for the 0100 G.M.T. FICOL in June and July (see 5. para 7.).

A P P E N D I X I

Provision in Dependencies Estimates for Meteorological Services, July, 1960 - June, 1961

HEADQUARTERS

		£	
Head 4A	Personal Emoluments	17,085	
" 4B	Other Charges (Stores, Equipment, etc.)	2,820	
" 4C	Special Expenditure	2,500	
	Total Headquarters Expenditure		£22,405

SOUTH GEORGIA

Head 1A	Personal Emoluments (Meteorological Staff)	2,405	
" 1B	Meteorological Equipment	300	
	Total South Georgia Expenditure		£ 2,705

ANTARCTIC REPORTING STATIONS

Head 5A	Personal Emoluments (Meteorological Staff)	23,900	
" 5B	Meteorological Equipment	30,000	
" 5C	Special Expenditure	3,800	
	Total Antarctic Bases Expenditure		£57,700
	Total Expenditure - FIDS		£82,810

Provision in Colony Estimates for Meteorological Services, July, 1960 - June, 1961

Head VIII	1.	Payments to Part-time Observers ..	100
" "	2.	Contribution towards cost of Headquarters	500
" "	3-5	Stores, Equipment, etc. ..	120
		Total Expenditure - Colony	£ 720
		GROSS TOTAL: ..	£83,530

APPENDIX II

(a) FICOL broadcasts from Stanley:-

From 1st January to 30th April and 1st October to 31st December.

Time of Transmission G.M.T.	Contents (Times G.M.T.)	Transmission Frequencies kc/s	Power
0100	2300 Synops, 0000 Temps [1]	12300	7.0KW
		9100	1.5KW
1300	0600 Synops, 1200 Synops	19800	7.0KW
		9100	1.5KW
1900	1800 Synops, 1200 Temps	19800	7.0KW
		9100	1.5KW
	From 1st May to 30th September		
0100	2300 Synops	12300	7.0KW
		5100	1.5KW
1300	0600 Synops, 1200 Synops	19800	7.0KW
		9100	1.5KW
1900	1800 Synops, 1200 Temps	12300	7.0KW
		9100	1.5KW

1) 0000 Temps, 11th to 20th January.

(b) Local Area Forecasts from Stanley:-

Time of Transmission G.M.T.	Frequencies kc/s	Power
0130 [1]	3700	0.35KW
1515	3700	0.35KW
2115 [2]	3700	0.35KW

1) From 1st January to end of pelagic whaling.

2) Changed to 2130 G.M.T. on the 1st November.

(c) Whaling Forecasts from Stanley:-

Time of Transmission G.M.T.	Frequencies kc/s	Power
0200 [1]	9100	1.5KW
	7425	0.35KW
1500 [2]	9100	1.5KW
2130 [2]	7425	0.35KW

1) From 1st January to end of pelagic whaling.

2) From 1st December to end of pelagic whaling.

(d) Forecasts from South Georgia:-

Time of Transmission G.M.T.	Frequencies kc/s	Power
0215 [1]	8642	0.8KW
1515 [1]	8642	0.8KW
	500	0.8KW
2115 [1]	8642	0.8KW

1) During pelagic whaling season, forecasts for area from 50°S to 65°S, between 40°W and 10°W.
Outside pelagic season as required, for area 250 m. radius from Grytviken.

APPENDIX III

STANLEY

Chief Meteorological Officer	-	P.A. Canning
Forecasters	-	S.D. Glassey B.A. Waudby
Senior Assistant	-	P.H. Hale
Assistants	-	D.J.B. Bolt M.J. Byrne (till May) D. Calcraft B.D. Hayton A.F. Lewis G.W. Pugh R.W. Woods
Clerk/Typist	-	E. Peake (Mrs.)

SOUTH GEORGIA

Forecaster-in-Charge	-	D. Borland
Senior Meteorological Assistant	-	P.A. Richards (till Apr
Meteorological Assistants	-	M.J. Reade D. O'Regan

BASES - WINTER STAFF ONLY

DECEPTION ISLAND

Base Leader/Meteorological Assistant	-	I.T. Jackson
Senior Meteorological Assistant	-	R.P. Matthews
Meteorological Assistants	-	C.J. Pearce B.P. Westlake

ARGENTINE ISLANDS

Scientific Officers	-	H.E. Agger I. Preece
Senior Meteorological Assistant	-	M.R. Sumner
Meteorological Assistants	-	A. Crouch A.W. Gallagher D.R. Jehan F.P. Smith R.H. Thomas J.B. Wigglesworth

ADMIRALTY BAY

Senior Meteorological Assistant	-	J.E. Ferrar
Meteorological Assistants	-	N.Y. Downham N.V. Jones R.G. Wright

SIGNY ISLAND

Base Leader/Meteorological Assistant	-	R.B. Harrison
Senior Meteorological Assistant	-	P.W. Mander
Meteorological Assistants	-	R. Filer P.O. White

HALLEY BAY

Base Leader/Meteorological Assistant	-	N.A. Hedderley
Scientific Officers	-	C.N. Horton
		C.H. Dean
Senior Meteorological Assistant (Synoptic)	-	W.H. Townsend
Senior Meteorological Assistant (Radio-Sonde)	-	A. Millar
Meteorological Assistant	-	M.H. Taplin
Radar Mechanic	-	M.F. Brittain

FALKLAND ISLANDS OUTSTATIONS (voluntary observers)

Darwin	-	D.M. Honeyman
Fox Bay	-	C. Maddocks
West Point Island	-	R. Napier

A P P E N D I X IV

Publications

1. Daily Weather Report.
2. Wireless Weather Messages.
3. Annual Meteorological Tables for 1958.
4. Abridged Meteorological Tables for Halley Bay, 1956 to 1959.
5. Annual Meteorological Report for 1959.

FALKLAND ISLANDS AND DEPENDENCIES

METEOROLOGICAL SERVICE

ANNUAL REPORT

for the year

1961

Presented to the Governor

FALKLAND ISLANDS AND DEPENDENCIES METEOROLOGICAL SERVICE

A N N U A L R E P O R T

for the year

1961

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1. Introduction

The Meteorological Service 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. In addition to the F.I.D.S. Service, limited observations were received from two stations in the Falklands, and these were also supervised by Stanley.

The Chief Meteorological Officer is responsible to the Governor for the efficiency of the Service. The Director-General, Meteorological Office, Air Ministry, in agreement with the Colonial Office, is the controlling authority for the Headquarter's Meteorological Office at Stanley, He is also the controlling authority, through the Chief Meteorological Officer, of the Falkland stations and of the technical work of the meteorological staff at Dependencies' bases. 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 and any other ships operating in the waters of the Falkland Islands and Dependencies, and for any aircraft in these areas.

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

(iii) Provision of surface and aviation forecasts, as required by F.I.D.S. bases.

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

(v) The collection and re-broadcasting of synoptic information from ships in the area.

(vi) The collection and publication of climatic data.

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

The cost of the Service is carried mainly on the Falkland Islands Dependencies budget with a contribution, for the Falklands stations, from the Colony. The estimates for the financial year 1961-1962 are shown in 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 synopsis of standard forecasts and bulletins from Stanley and South Georgia is given in Appendix II. Full details are contained in a "Weather Messages" pamphlet dated 1st January, 1960 and in a publication of the World Meteorological Organisation, W.M.O. No.9. TP. 4.

(a) At Stanley the local forecasts for the Falklands area at 1515 G.M.T. and 2130 G.M.T. were broadcast throughout the year. An additional forecast at 0130 G.M.T. was broadcast from the 1st January to the 31st March. Thrice daily whaling bulletins for the 1960-1961 season were issued from the 1st January to 7th April. In the 1961-1962 season, twice daily bulletins commenced on the 1st December. During the period 1st to 7th April, the South Georgia areas were added to the Stanley bulletins.

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:- H.M.S. Protector, H.M.S. Owen, H.M.S. Typhoon, R.F.A. "Wave Chief", R.F.A. "Wave Prince", R.R.S. "Shackleton", R.R.S. "John Biscoe", M.V. "Kista Dan", R.M.S. "Darwin", S.S. "Birch Bank", S.S. "King Henry" and U.S. Research Ship "Vema".

Aviation and surface forecasts were supplied to bases on request.

During the absence on leave of the South Georgia forecaster a daily forecast for the South Georgia area was issued from 7th April to 27th September.

(b) At South Georgia the advertised forecast bulletins for pelagic whaling were issued until the 31st March. From the 1st April to 27th September forecasts were provided by Stanley (see above). Twice daily forecasts for the local whaling areas were issued by the South Georgia forecaster from the 28th September to the 30th November. During December pelagic whaling forecasts were issued at 1715 G.M.T. and 2115 G.M.T. The following ships received individual forecasts:- H.M.S. Owen, R.R.S. "Shackleton", M.V. "Kista Dan" and the whaling transports "Polarbris" and "Tota".

3. Reporting Stations

Full synoptic observations at 0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100 and 2300 G.M.T. were made at Stanley, South Georgia, Signy Island, Deception Island, Argentine Islands and Halley Bay. In addition, irregular observations were received from two new stations, Stonington Island and Fossil Bluff, from about mid-June onwards. Three hundred and thirty three observations were received from the South African Antarctic base via Halley Bay. Pilot balloon ascents were made whenever possible.

Surface, pilot balloon and upper air observations were made in code forms FM 11.A, FM 32.B and FM 35.B respectively. In using these codes the approved W.M.O. Regional practices for Antarctica were followed.

Subsidiary stations were maintained in the Falkland Islands at Fox Bay and Darwin. Observations at these stations were made daily at 1200 G.M.T. The observer at West Point Island continued to report wind, weather and cloud at 1200 G.M.T. The reports were of a high standard and were very useful for briefing the local Air Service.

Observations at Fox Bay and Darwin were taken with sufficient regularity to form the basis of monthly and annual climatological summaries. In addition, monthly rainfall returns were rendered by several farmers.

At Argentine Islands and Halley Bay, the daily radio sonde ascent was made at 1200 G.M.T.

4. Ship Reports

(a) Vessels registered in the Falklands, visiting H.M. Ships and other ships operating in the Falklands and South Georgia area.

Full synoptic reports were received at Stanley from H.M.S. Protector, H.M.S. Owen, H.M.S. Typhoon, R.F.A. "Wave Chief", R.F.A. "Wave Prince", R.R.S. "Shackleton", R.R.S. "John Biscoe", M.V. "Kista Dan", R.M.S. "Darwin", S.S. "Birch Bank", S.S. "King Henry", U.S. Research Ship "Vema", U.S.S. "Glacier" and U.S.S. "Staten Island". In addition a few upper air reports were received from the "Glacier" and "Staten Island" during February and March. About fifteen reports were received via the radio station at Grytviken, from tankers and supply vessels en route to or from South Georgia. All these reports were included in FICOL collective messages broadcast from Stanley. A number of messages were received during the whaling seasons from factory whaling ships which were unable to make contact with South Africa.

(b) South African Whaling Collective 1960-1961 season.

From the 1st of January to 7th April, a total of 2122 reports were received, of which 359 were in the Stanley and South Georgia forecast areas, with another 29 to the west of the Stanley area in the Bellingshausen Sea.

(c) South African Whaling Collective 1961-1962 season.

During November and December 1170 reports were received, of which 180 were in the Stanley and South Georgia forecast areas, and 3 to the west of the Stanley area.

5. Communications

Details of broadcasts of observations (FICOLS), whaling forecasts and local forecasts are given in Appendix II.

The observations additional to those broadcast were collected as follows:-

(a) 0300 and 0900 G.M.T. with those for 0600 and 1200 G.M.T.

(b) 1500 G.M.T. with those for 1800 G.M.T.

(c) 2100 G.M.T. and 0000 G.M.T. with those for 2300 G.M.T.

The results of pilot balloon ascents and ship reports were included, as available, as well as upper air soundings from Argentine Islands, Halley Bay and the Air Ministry Radio-Sonde Unit at Stanley.

Monthly CLIMAT messages were broadcast for all stations on each FICOL on the 4th and 5th of each month.

Observations from the Falklands Out-stations were collected by the Government R/T Operator.

Communications with reporting stations were generally satisfactory although there was some difficulty at times with Halley Bay.

Communications with McMurdo Sound were generally satisfactory. The special third frequency of 14800 kc/s was continued throughout the year.

Little difficulty was experienced in communicating directly with the various research ships and supply vessels in the area, and it is assumed, therefore, that reception was satisfactory for whaling ships, although no reception reports were received from these vessels.

Both Stanley and South Georgia Meteorological Offices listened regularly to the Argentine (LSV) and Chilean (CCS) National Broadcasts. Reception of CCS was moderately satisfactory, but that of LSV was generally poor.

6. Climatological and other Returns

The usual climatological returns were made by the bases.

Printing of the Annual Meteorological Tables for 1959 had not been completed by the end of the year although most of the proofs had been checked.

The 1960 Tables were completed and will be sent to the printers as soon as possible.

The Daily Weather Report was issued throughout the year.

The rainfall returns for various places within the Falkland Islands were brought up to date and amended copies distributed to interested persons.

The Annual Report for 1960 was published.

7. Organisation

There were no major changes in organisation.

The new Meteorological Office at Stanley was completed and occupied near the end of August.

At Stanley work on solar radiation continued, and at Argentine Islands and Halley Bay measurements of solar radiation, atmospheric ozone and terrestrial magnetism were made.

The Chief Meteorological Officer visited the Falklands' outstations at Darwin and Fox Bay during January and February.

The Senior Assistant, Stanley paid a brief visit to South Georgia and northern bases during December.

8. Staff

At Stanley, one Assistant left, and was replaced, during January.

A forecaster left near the end of September and his replacement arrived early in October.

At South Georgia the forecaster was absent on leave from the 31st March to the 27th September. One new Assistant arrived in January and two more in November. Two Assistants left during November on completion of tour.

One Meteorological Assistant met with a fatal accident at Signy Island during February.

Other stations had full staff complements throughout the year.

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 some of the equipment was purchased. There were no difficulties.

10. International Co-operation

Copies of the Daily Weather Report (see Climatological and other Records) were sent to the following Meteorological Services:-

Federal Germany, France, Uruguay, Argentina, Chile, Australia, New Zealand, Madagascar, United Kingdom, United States of America, Union of South Africa, Mozambique.

and also to:-

The Napier Shaw Library, Cambridge; Scott Polar Research Institute, Cambridge; Smithsonian Institute, Washington; Mr. Arnold Court, California; Antarctic Institute, Buenos Aires, and F.I.D.S. Scientific Bureau, London.

A hundred and thirty six copies of the 1960 Annual Report were distributed to Institutions and individuals all over the world.

Special ice summaries for the Grahamland area were added to FICOLS during February and March at the request of the U.S. Ice-Breaker "Glacier".

Special aviation forecasts were supplied to Deception Island during September to assist an Argentine mail drop.

A third special frequency was maintained on FICOLS at the request of the U.S. Antarctic station, McMurdo Sound (see para 5 above).

A P P E N D I X I

ision in Dependencies Estimates for Meteorological Services, July 1961 - June 1962.

HEADQUARTERS

		£.
Head 4A	Personal Emoluments	16,535
" 4B	Other Charges (Stores, Equipment, etc.) ..	2,610
" 4C	Special Expenditure	1,175
	Total Headquarters Expenditure	£20,320

SOUTH GEORGIA

Head 1A	Personal Emoluments (Meteorological Staff)..	2,207
" 1B	Meteorological Equipment	200
" 1C	Special Expenditure	600
	Total South Georgia Expenditure	£ 3,007

ANTARCTIC REPORTING STATIONS

Head 5A	Personal Emoluments (Meteorological Staff)..	26,000
" 5B	Meteorological Equipment	30,000
" 5C	Special Expenditure	12,700
	Total Antarctic Bases Expenditure	£68,700
	Total Expenditure - FIDS	£92,027

vision in Colony Estimates for Meteorological Services, July 1961 - June 1962.

Head VIII	1. Payments to Part-time Observers ..	100
" "	2. Contribution towards cost of Headquarters	500
" "	3 - 5 Stores, Equipment, etc.	165
	Total Expenditure - Colony	£ 765
	GROSS TOTAL: ..	£92,792

APPENDIX II

(a) FICOL broadcasts from Stanley:-

From 1st January to 30th April and from 1st October to 31st December.

Time of Transmission G.M.T.	Contents (Times G.M.T.)	Transmission Frequencies kc/s	Power
0100	2300 Synops	12300 9100 14800	7.0KW 1.5KW 350W
1300	0600 Synops, 1200 Synops	19800 9100 14800	7.0KW 1.5KW 350W
1900	1800 Synops, 1200 Temps	As 1300	As 1300
	From 1st May to 30th September		
0100	2300 Synops	12300 5100 14800	7.0KW 1.5KW 350W
1300	0600 Synops, 1200 Synops	19800 9100 14800	7.0KW 1.5KW 350W
1900	1800 Synops, 1200 Temps	12300 9100 14800	7.0KW 1.5KW 350W

(b) Local Area Forecasts from Stanley:-

Time of Transmission G.M.T.	Frequencies kc/s	Power
0130 1)	3700	250W
1515	3700	250W
2130	3700	250W

1) From 1st January to 31st March.

(c) Whaling Forecasts from Stanley:-

From 1st January to 7th April

Time of Transmission G.M.T.	Frequencies kc/s	Power
0200 1)	9100 7425	1.5KW 350W
1500 2)	9100 7425	1.5KW 350W
2130 2)	9100 7425	1.5KW 350W

1) From 1st January to 31st March only.
2) From 1st to 7th April, these forecasts included S. Georgia forecast areas.

From 1st December to 31st December

Time of Transmission G.M.T.	Frequencies kc/s	Power
1730	19800 9100 14800	7.0KW 1.5KW 350W
2130	19800 9100 14800	7.0KW 1.5KW 350W

(d) Forecasts from South Georgia:-

Time of Transmission G.M.T.	Frequencies kc/s	Power
0215 1)	8642	800W
1515 2)	8642	800W
	500	800W
2115 3)	8642	800W

1) From 1st January to 31st March.

2) From 1st January to 31st March and at 1715 G.M.T. from 1st to 31st December.

3) From 1st January to 31st March and from 1st to 31st December.

APPENDIX III

STANLEY:-

Chief Meteorological Officer	-	P.A. Canning
Forecasters	-	S.D. Glassey B.A. Waudby (till September) R.W. Hare (from October)
Senior Assistant	-	P.H. Hale
Assistants	-	D.J.B. Bolt (till January) D. Calcraft B.D. Hayton A.F. Levis G.W. Pugh J. Stephenson (from January) R.W. Woods
Clerk/Typists	-	E. Peake (Mrs.) (till July) M. Booth (Miss)

SOUTH GEORGIA:-

Forecaster-in-Charge	-	D. Borland
Senior Meteorological Assistant	-	D. O'Regan (till November)
Meteorological Assistants	-	D.E. Bashford (from January) P.F.J. Mahoney (from November) M.J. Meade (till November) M.D. Newman (from November)

BASES - WINTER STAFF ONLY

DECEPTION ISLAND:-

Senior Meteorological Assistant	-	J.E. Ferrar
Meteorological Assistants	-	D.S. Baron G.F.C. Kyte

ARGENTINE ISLANDS:-

Scientific Officers	-	J.W.P. O'Kirwan I. Preece
Senior Meteorological Assistant	-	A.W. Gallagher
Meteorological Assistants	-	F.B. Potts F.P. Smith R.H. Thomas

HOPE BAY:-

Base Leader/Meteorologist	-	I.L. Fothergill

SIGNY ISLAND:-

Base Leader/Meteorological Assistant	-	R.D. Thompson
Senior Meteorological Assistant	-	B.P. Westlake
Meteorological Assistant	-	N.V. Jones

TONINGTON ISLAND:-

Senior Meteorological Assistant	-	R.P. Matthews
Meteorological Assistant	-	J.B. Wigglesworth

OSSIL BLUFF:-

Meteorological Assistants	-	C.J. Pearce J.P. Smith

ALLEY BAY:-

Scientific Officers	-	C.H. Dean G.M. Jarman
Senior Meteorological Assistants	-	M.R. Sumner
Meteorological Assistants	-	D.R. Jehan A. Precious M.H. Taplin E. Thornton
Radar Technician	-	P.J. Noble

FALKLAND ISLANDS OUTSTATIONS (voluntary observers)

Darwin	-	D.M. Honeyman (till February) J. Poltock (from February) P. Davidson (Miss) (from February)
Fox Bay	-	C. Maddocks
West Point Is.	-	R. Napier

A P P E N D I X IV

PUBLICATIONS

1. Daily Weather Report
2. Annual Meteorological Report for 1960
3. "Forecasting in the Falkland Islands and Dependencies" by S.D. Glassey. (Published by Air Ministry Meteorological Office as "Scientific Paper No. 7").

BRITISH ANTARCTIC METEOROLOGICAL SERVICE

(FORMERLY FALKLAND ISLANDS AND DEPENDENCIES METEOROLOGICAL SERVICE)

Annual Meteorological Tables

1961

BRITISH ANTARCTIC METEOROLOGICAL SERVICE

(FORMERLY FALKLAND ISLANDS AND DEPENDENCIES METEOROLOGICAL SERVICE)

Annual Meteorological Tables 1961

Published by the British Antarctic Survey,
Stanley, Falkland Islands, 1964.

CONTENTS

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 surface and upper air data for 1957 have been retained in the same form in this issue.

Upper air ascents at Stanley and Argentine Islands were made daily at 1200 G.M.T. as far as possible, although for various reasons, a few were missed. Occasional special ascents were made at Argentine Islands, to help with the Ozone programme and these have been included. Where the number of readings differs from the number of days in the month, this is shown by the small figures on pages 14, 15, 96 and 97.

The Station at Admiralty Bay closed at the end of 1960.

At Argentine Islands, due to scarcity of upper wind reports, upper air tables X to XX were contracted and printed on one page (see page 107).

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 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–.

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*. *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. Observations were made daily for 0800 Zone Time (1200 G.M.T.), the time of release normally being 0700 Zone Time (1100 G.M.T.). For details of ascents missed and extra ascents made (see Introduction). Almost all ascents were done within a few minutes of these times, but operational difficulties (such as strong winds) occasionally delayed release for periods up to about an hour. On a few occasions the delay was even longer, but in no case did it exceed 3 hours.

22. In the original extractions heights above Mean Sea Level were entered in geopotential metres at levels up to 400 mb. and in tens of geopotential metres at 300 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 grouped in 15 metre ranges, while those for 700 mb. and above are in 30 metre ranges.

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 200 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°C. 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. It is not within the scope of these notes to give all possible definitions but, in general, the tropopause is the height of the lowest point at which the lapse rate becomes 2°C/Km. or less. Where more than one tropopause was reported, the lowest has been used.

UPPER AIR FREQUENCY TABLES I to VI.

26. In the Tables each column covers three Celsius degrees e.g. the column headed 3 to 5 includes all observations from 3.0 to 5.9°C. inclusive. 0°C. has been entered alternately as 0+ and 0–.

Means and Extremes Table I for Stanley, Falkland Islands, 1961.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)													
	[1-2] Daily Mean	[3] Extremes				[1] Mean at								[1-2] Daily Mean	[1] Mean Daily		[1] Extremes			
		High	Date	Low	Date	0200	0500	0800	1100	1400	1700	2000	2300		Max.	Min.	Max.	Date	Min.	Date
January	995.1	1018.3	25th	976.4	16th, 17th	44.3	45.2	49.1	51.0	52.0	50.6	47.5	45.4	48.1	55.4	42.5	68	26th	37	11th
February	1001.5	1010.8	25th	986.4	19th	44.9	45.2	49.9	53.0	53.0	50.7	47.3	45.4	48.7	56.3	42.4	67	9th	33	21st
March	998.0	1017.3	5th	973.8	24th	42.7	42.7	44.9	47.9	49.3	46.7	43.0	42.7	45.0	53.2	39.0	61	1st, 6th	34	4, 5, 12, 16, 25
April	998.5	1025.6	18th	*967.4*	*26th*	39.2	38.5	39.8	43.8	43.8	41.7	39.8	39.1	40.7	46.2	35.9	54	1st, 16th	29	4th
May	996.5	1020.9	15th	975.0	29th	38.7	38.9	39.0	41.8	42.1	39.3	38.5	38.4	39.6	44.1	35.0	51	1st, 24th	28	30th
June	1000.2	1025.1	11th	968.5	4th	34.7	34.8	35.6	37.2	38.5	36.5	35.6	34.9	36.0	40.0	31.5	46	24th, 25th	24	15th
July	1010.8	*1032.6*	*31st*	988.0	2nd	33.2	33.1	33.5	35.1	35.6	34.1	33.5	33.5	33.9	37.2	30.2	43	2nd	*19*	*5th*
August	1004.7	1027.2	1st	985.4	9th	34.1	34.2	34.9	37.1	37.6	36.0	34.9	34.5	35.4	39.6	31.6	47	11th	23	18th
September	1001.5	1026.4	6th	982.9	30th	35.1	34.9	36.6	39.7	40.3	37.8	36.0	35.3	37.0	42.3	32.6	51	16th	28	20th, 21st
October	1002.3	1027.0	15th	969.8	25th	37.5	37.6	42.0	45.8	46.5	43.8	38.5	38.0	41.2	49.6	35.0	65	31st	28	2, 13, 14
November	999.5	1017.7	7th	978.5	25th	38.9	40.5	45.8	47.8	47.4	46.0	42.3	39.6	43.5	51.9	36.6	63	29th	27	8th
December	998.3	1015.2	8th	979.3	22nd	42.1	43.7	48.5	50.7	50.2	48.7	45.1	42.8	46.5	55.0	39.9	*70*	*15th*	35	9th, 19th
Total	12006.9	12264.1	—	11731.3	—	465.4	469.3	499.6	530.9	536.3	511.9	482.0	469.6	495.6	570.8	432.2	686	—	345	—
Mean	1000.6	1022.0	—	977.6	—	38.8	39.1	41.6	44.2	44.7	42.7	40.2	39.1	41.3	47.6	36.0	57.2	—	28.7	—

Means and Extremes Table II for Stanley, Falkland Islands, 1961.

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	80	76	71	75	81	86	81	5.3	6.3	6.5	6.4	5.9	6.2	5.1	4.7	5.8	5.9		16.1	85.1	22.8	5th
February	87	87	74	64	68	69	80	86	77	4.5	5.5	5.6	5.7	5.6	4.9	5.5	4.3	5.2	7.0		14.5	24.2	6.3	21st
March	85	87	83	74	67	72	83	84	79	5.4	5.8	5.9	6.2	6.1	5.6	4.8	4.9	5.6	5.1		12.5	56.9	9.8	14th
April	87	89	88	80	80	83	88	90	86	5.4	5.1	5.7	5.8	6.4	5.8	5.9	4.9	5.6	3.8		10.5	66.9	10.1	28th
May	89	88	87	81	75	85	88	90	85	4.7	4.7	5.0	5.5	5.3	4.8	4.5	4.7	4.9	4.1		8.8	58.6	8.5	4th
June	89	89	90	89	85	88	87	88	88	4.4	4.8	6.5	5.8	5.5	5.4	4.9	3.7	5.1	2.5		7.9	61.2	11.9	3rd
July	88	89	88	87	87	89	89	89	88	5.4	5.8	6.2	5.8	6.2	6.0	6.2	5.9	5.9	2.4		8.3	37.6	9.5	22nd
August	94	91	90	88	88	91	92	92	91	5.3	5.7	6.6	6.8	6.8	6.0	5.6	5.7	6.1	—	Not recorded	9.7	71.4	21.3	21st
September	95	95	92	86	86	91	94	94	92	5.8	5.8	6.3	6.5	6.3	6.3	5.5	5.2	6.0	3.8		11.7	48.8	13.1	13th
October	88	88	80	71	67	74	87	89	81	4.9	5.2	5.4	5.0	5.4	5.1	3.9	5.0	5.0	7.1		13.7	34.1	11.6	17th
November	87	83	69	65	66	69	77	87	75	5.3	5.9	5.9	5.8	6.2	5.7	6.1	5.0	5.7	6.9		15.6	24.4	8.5	22nd
December	88	85	69	64	65	68	78	85	75	5.5	5.5	5.7	5.9	5.8	5.8	5.7	4.9	5.6	7.7		16.6	61.5	17.1	2nd
Total	1066	1059	990	925	905	954	1024	1060	998	61.9	66.1	71.3	71.2	71.5	67.6	63.7	58.9	66.5	56.3		145.9	630.7	150.5	
Mean	89	88	83	77	75	79	85	88	83	5.2	5.5	5.9	5.9	6.0	5.6	5.3	4.9	5.5	5.1		12.2	52.6	12.5	

Frequency Table I for Stanley, Falkland Islands, 1961.

MONTH	M.S.L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. [1]																			
	940.0 to 944.9	*945.0 to 949.9*	*950.0 to 954.9*	*955.0 to 959.9*	*960.0 to 964.9*	*965.0 to 969.9*	*970.0 to 974.9*	*975.0 to 979.9*	*980.0 to 984.9*	*985.0 to 989.9*	*990.0 to 994.9*	*995.0 to 999.9*	*1000.0 to 1004.9*	*1005.0 to 1009.9*	*1010.0 to 1014.9*	*1015.0 to 1019.9*	*1020.0 to 1024.9*	*1025.0 to 1029.9*	*1030.0 to 1034.9*	*1035.0 to 1039.9*	*1040.0 to 1044.9*
January								10	27	48	57	36	24	20	17	9					
February										7	26	44	77	65	5						
March							1	6	15	20	54	56	43	15	27	11					
April						5	2	7	5	32	23	53	60	30	9	5	6	3			
May								14	16	27	48	43	68	20	5	6	1				
June						3	2	2	15	31	27	34	52	23	21	9	20	1			
July										4	17	48	32	24	20	23	28	42	10		
August										14	35	41	60	21	26	24	22	5			
September									15	36	26	31	40	40	15	17	17	3			
October						2	8	6	20	11	12	14	51	66	27	16	8	7			
November								1	12	29	27	59	35	53	19	5					
December								2	14	14	56	56	48	49	8	1					
Year						10	13	48	139	273	408	515	590	426	199	126	102	61	10		

Frequency Table II for Stanley, Falkland Islands, 1961.

TEMPERATURE: Number of observations at all hours, in 2°F ranges :— 1 & 4

MONTH	NEGATIVE RANGES								POSITIVE RANGES																																										
	15	13	11	9	7	5	3	1	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85
January																												1	22	33	27	29	46	33	16	18	10	7	2	3		1									
February																									1		2	8	12	20	18	25	45	30	24	16	13	3	2	1	3	1									
March																										6	9	18	26	31	41	45	28	24	14	4		2													
April																							1		15	17	30	26	40	39	46	18	3	3	2																
May																							3	3	12	22	30	43	56	42	24	7	5	1																	
June																						2	7	24	39	46	43	25	34	16	4																				
July																			3	5	7	11	16	22	37	40	47	45	14	1																					
August																						4	12	25	39	43	47	51	14	10	2	1																			
September																							2	14	29	39	47	51	35	14	4	3	2																		
October																							3	5	10	19	29	30	46	38	20	15	8	9	11	3		1		1											
November																						1		3	8	11	19	23	26	36	32	19	21	17	6	5	4	6	3												
December																										1	4	12	27	34	31	35	42	26	12	7	4	4	4	1	1										
Year																			3	5	7	18	44	96	190	244	307	333	352	314	252	197	200	143	85	53	31	23	11	6	4	2									
DAILY EXTREMES.																																																			
Maximum																							2		5	9	14	28	43	28	39	36	25	18	27	29	16	15	15	7	2	5	1	1							
Minimum																		1	3	4	6	10	26	28	51	49	50	38	38	28	15	15	2	1																	

Frequency Table III for Stanley, Falkland Islands, 1961.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 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						1	1	5	2	10	13	20	26	32	28	30	30	46	4
February						3	2	2	7	11	10	32	19	30	34	28	36	10	
March							1	3	10	10	11	18	22	29	43	38	38	20	5
April								1	2		6	8	14	28	41	41	53	33	13
May										3	7	7	19	23	39	56	47	39	8
June										3	1	5	10	17	32	49	62	46	15
July										1	3	5	12	23	24	57	60	49	14
August											2	2	8	25	21	34	43	76	37
September											1	2	12	13	19	24	37	80	52
October						1	7	6	5	14	11	13	13	27	30	38	31	40	12
November					1	2	2	3	12	20	18	22	23	20	37	36	27	17	
December				1			4	5	11	17	20	20	37	23	33	32	31	14	
Total				1	1	7	17	25	49	89	103	154	215	290	381	463	495	470	160
Mean				-	-	1	1	2	4	7	9	13	18	24	32	39	41	39	13

Frequency Table IV for Stanley, Falkland Islands, 1961.

Number of observations, at all hours, of :-

MONTH	VISIBILITY[8]										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS[7] (metres)																No Cloud
																	All Amounts									7-8 Oktas								
	< 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	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			3	2	3	5	18	35	27	155	35	78	30	47	53	5	8	4	13	35	52	83	18	25	8	7	4	6	12	13	12	5	8		2
February						4	15	17	19	169	31	82	45	50	16			2	3	18	43	110	17	24	3		2	1	8	4	8	2	9		4
March			1	2	1	2	13	23	47	159	36	86	46	41	36	3	5	1	3	12	68	91	32	24	8	4	1	3	7	10	4	1	2		4
April		1	2	4	1	3	20	16	26	167	21	74	45	53	39	8	9		7	24	79	88	12	17	1	9		3	12	13	8	1	6		3
May			1	1	2	1	17	34	37	155	42	93	34	42	35	2	2	4	9	20	69	90	12	24	12	2	4	6	9	14	10	2	4	4	6
June		5	2	4	5	5	38	30	42	109	31	76	29	55	43	6	7	1	13	32	89	62	5	11	8	6		10	14	15	16	1		2	12
July		2	3	6	8	4	29	21	33	142	14	45	43	92	48	6	11	2	8	36	110	62	5	6	3	10		6	11	26	19	2	1		5
August		3	1	6	6	6	37	29	42	118	19	50	28	80	64	7	8	4	21	41	85	65	5	12	2	8	3	11	17	29	19	1	4		5
September		3	3	2	16	9	26	29	36	116	26	52	41	46	68	7	11	2	18	50	65	54	14	12	8	11	2	15	22	12	5	3	2	1	6
October		1	3	1	9	6	15	19	34	160	53	78	29	44	30	5	7	3	22	37	45	69	12	32	11	7	2	13	11	6	6	4	6	1	10
November					1		20	12	31	176	47	65	47	54	27			1	6	24	66	72	24	38	6		1	4	7	9	9	2	6	4	3
December							11	28	28	181	34	80	41	71	22				1	19	82	97	15	30	3				6	9	9	5	8	1	1
Total		15	19	28	52	45	259	293	402	1807	389	859	458	675	490	49	68	24	124	348	853	943	171	255	73	64	19	78	136	160	125	29	56	13	61
Mean		1	2	2	4	4	22	24	33	151	32	72	38	56	41	4	6	2	10	29	71	79	14	21	6	5	2	7	11	13	10	2	5	1	5

Frequency Table V for Stanley, Falkland Islands, 1961.

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
	>50°F	<32°F	<23°F	>68°F																					
January					18	11	4	21	3	30			10	5	11			2		16	7		3	1	
February					17	7		22	2	24			10	1	10	1		2		18	1			2	
March					22	14		25	5	28	4	4	7		10			7		19	2		6	3	
April					25	16	1	17	8	28	10	6	14		16		2	11		21	5	1	1	5	1
May					21	17		28	7	25	9	4	11	1	9	2	9	10		19	2	1	8		2
June					24	18	1	24	3	22	16	8	13		15	2	15	23	2	18	3	4		6	1
July		2	5		23	11		18	2	20	13	6	15		15		19	19	8	16	8	4	7		1
August					25	14	1	21	5	21	19	9	14		20		15	21	6	19	3	2	6	1	4
September					21	11	1	15	2	21	11	6	11		16	1	2	16	2	16	8	1		4	1
October					14	7	1	21	2	14	8	5	8		11	2	5	14		9	5	1	3	1	2
November					14	7		21	4	21	3	6	5		15		1	12		16			4	2	2
December				1	21	14	1	20	3	25			3		14			5		21	1		7	3	
Total	0	2	5	1	245	147	10	253	46	279	93	54	121	7	162	8	68	142	18	208	45	14	45	28	14
Mean	-	-	-	-	20	12	1	21	4	23	8	5	10	1	13	1	6	12	1	17	4	1	4	2	1

Frequency Table VI for Stanley, Falkland Islands, 1961.

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	18.1	11	55	141	40	1	35	14	22	6	5	10	7	14	33	28	31	42
February	17.8	2	64	118	40		33	11	5	6	2	3	14	23	31	33	32	31
March	18.5	12	66	135	31	4	24	7	1	4	5	6	12	19	21	51	44	50
April	16.3	17	36	111	72	4	11	1		1		4	30	29	39	44	50	27
May	20.2	11	87	136	12	2	14	3	1				1	15	69	55	54	34
June	18.0	13	64	125	32	6	14	1	2	6	1	4	16	4	44	51	43	48
July	17.4	8	57	133	45	5	41	2	2	9	3	6	20	32	38	32	35	23
August	17.5	11	65	114	55	3	15	23	17	6	6	5	8	43	59	28	20	15
September	15.3	5	44	118	71	2	23	11	3	5	5	17	6	37	39	25	45	22
October	16.1	4	50	137	56	1	6			1	1	3	19	24	32	36	65	60
November	15.9	6	57	104	67	6	10		4	1		4	18	40	30	26	63	38
December	15.0	4	54	96	87	7	5	2	3	2		6	17	53	43	39	41	30
Total	206.1	104	699	1468	608	41	231	75	60	47	28	68	168	333	478	448	523	420
Mean	17.2	9	58	122	51	3	19	6	5	4	2	6	14	28	40	37	44	35

Frequency Tables VII to X for Stanley, Falkland Islands, 1961.

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		1	1	6
2			1	1				2	1		1		6
3	5	4	3		1	2	2	3	1	1	1	5	28
4	7	1	7	4	3	1		3	6	6	11	19	68
5	16	3	4	1	1	2	2	4	7	13	7	13	73
6	5	3	2			2	1		5	4	9	3	34
7		1	1			3	2	1	8	3	1	1	21
≥ 8		2	3					1	4	1			11
Totals	35	14	22	6	5	10	7	14	33	28	31	42	247

CALMS – 1

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	1	5
2	1						1		1		2	2	7
3	3	3	2	2	2		3		2	1	6	4	28
4	5	2	2	3		3	3	7	7	5	11	11	59
5	12	2					7	11	6	10	7	4	59
6	5	3						4	9	10	4	6	41
7	6							1	5	7	1	3	23
≥ 8	1								1				2
Totals	33	11	5	6	2	3	14	23	31	33	32	31	224

CALMS – 0

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		4
2	1	2			1			1				2	7
3				1	1		2	2	1		3	10	20
4	7	1	1	1		4	7	7	1	9	13	19	70
5	6	2		1	2	2	3	1	7	15	15	11	65
6	3				1			3	4	17	6	8	42
7	5	1						2	5	6	5		24
≥ 8	1							3	3	4	1		12
Totals	24	7	1	4	5	6	12	19	21	51	44	50	244

CALMS – 4

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	1	2	5	8	6	25
3						2	4	2	6	10	14	4	42
4	2	1					2	7	8	18	18	8	64
5	1					2	5	7	12	7	7	6	47
6	3						4	2	7	2	2	2	22
7	2						6	4	1	1			14
≥ 8	2						7	5	2			1	17
Totals	11	1		1		4	30	29	39	44	50	27	236

CALMS – 4

Frequency Tables XI to XIV for Stanley, Falkland Islands, 1961.

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										1		1	2
3	1									2	4	1	8
4	4	1						2	10	13	29	5	64
5	2		1					1	24	17	11	16	72
6	5	1						3	19	13	10	6	57
7	1	1						6	13	6		3	30
≥ 8	1						1	3	2	3		1	11
Totals	14	3	1				1	15	69	55	54	34	246

CALMS - 2

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											2	3
2	1	1									3	2	7
3	1		1	2					2	1	8	7	22
4	1		1	4	1			1	13	16	20	14	71
5	2						4		14	16	12	6	54
6	2					3	5	1	12	18		12	53
7	1						2	2	3			3	11
≥ 8	5					1	5					2	13
Totals	14	1	2	6	1	4	16	4	44	51	43	48	234

CALMS - 6

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	1	5
2									1	3			4
3	2		1	2	2	2			5	5	11	6	36
4	9	1	1	4		1	6	4	9	7	15	10	67
5	14	1		2	1		5	10	14	9	6	4	66
6	14					3	5	9	8	5	1	1	46
7	2							6		2		1	11
≥ 8							4	3	1				8
Totals	41	2	2	9	3	6	20	32	38	32	35	23	243

CALMS - 5

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	1	1	1	1	1		1	1		11
2					1				1		1	1	4
3	1	5	3	2	2	2		4	7	5	5	4	40
4	8	2	8	3	1			2	10	8	7		49
5	3	8	4		1	1	3	11	20	8	4	2	65
6	1	7	1			1	3	6	15	6	2	5	47
7							1	11	5			1	18
≥ 8								8	1			2	11
Totals	15	23	17	6	6	5	8	43	59	28	20	15	245

CALMS - 3

Frequency Tables XV to XVIII for Stanley, Falkland Islands, 1961.

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	2	1	7
2	1							1	2	1	4	1	10
3	2			3		4	1	4	12	5	14	9	54
4	10	5	1	2	2	4	2	7	10	10	9	5	67
5	4	2	1		2	4		9	11	5	9	4	51
6	5	1				4	3	11	4	2	3	1	34
7	1	3						1		1	3	1	10
≥ 8								4			1		5
Totals	23	11	3	5	5	17	6	37	39	25	45	22	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			2		6
2	1						4				2	1	8
3	1			1		3	4	2	6	5	14	6	42
4	2						4	5	9	14	26	11	71
5							1	9	10	15	15	16	66
6	2							3	4	2	6	22	39
7							2	2	3			4	11
≥ 8							3	1					4
Totals	6			1	1	3	19	24	32	36	65	60	247

CALMS – 1

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					2		3	1	9
2	1					1	2			2	3	3	12
3	2		1			3	4	3	6	5	17	5	46
4	3						2	10	5	6	24	9	59
5	2		1				2	7	5	6	9	13	45
6	1						6	9	9	4	5	5	39
7	1						2	8	2	2	2	1	18
≥ 8								3	1	1		1	6
Totals	10		4	1		4	18	40	30	26	63	38	234

CALMS – 6

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	3	2		3	2		3	1	1	1	17
2						1	4		3	2	4	3	17
3	2	1				2		11	6	16	14	1	53
4							3	15	14	9	17	5	63
5	1						7	10	2	5	4	4	33
6	1						1	10	12	5	1	10	40
7	1							7	1			5	14
≥ 8									2	1		1	4
Totals	5	2	3	2		6	17	53	43	39	41	30	241

CALMS – 7

Frequency Table XIX for Stanley, Falkland Islands, 1961.

BEAUFORT FORCE	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												
	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 DIRECTIONS
1	6	4	9	8	3	5	4	4	8	5	15	9	80
2	7	3	1	1	2	2	13	5	11	14	28	22	109
3	20	13	11	13	8	20	20	31	54	56	111	62	419
4	58	14	21	21	7	13	29	70	102	121	200	116	772
5	63	18	11	4	7	11	39	80	132	126	106	99	696
6	47	15	3		1	13	28	61	108	88	49	81	494
7	20	6	1			3	15	51	46	28	12	23	205
=> 8	10	2	3			1	20	31	17	10	2	8	104
Totals	231	75	60	47	28	68	168	333	478	448	523	420	2879

CALMS 41.

Frequency Table XX for Stanley, Falkland Islands, 1961.

MONTH	RAINFALL (mms.) : Number of days of																																								
	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	10	3	2	1			1				20	2	1	2		1	1				27	2	1	1															
February	2	9	5	2		1	1				1	21	3	2				2				28																		
March	2	7			3	1	2	1		1		17	4	3	3	1		1		1	1	31																		
April		5	2	1	2	1	1			1	1	14	5	3	1	1	3		2			29	1																	
May	5	5	1		1	1			1			14	6	5		3	1			2		31																		
June	2	4		1	1	1			1	2		12	7	3	4	1	1	1				29	1																	
July	4	4	1	2	2		2	1	1	2	1	20	5	2	2		1				1	31																	
August	1	5	1	1	2	2	1	2		2		17	4	4	1	1	2			1		30			1														
September	4	5	4	1	3				2			19	6			1	1	1		1		29	1																	
October	10	7	2		1	2				1	1	24	1	2		1			1			30	1																	
November	5	11	3	2			1		1			23	4			2				1		30																		
December	6	4	2		1	1	1		1		1	17	5	2	2	1	1	2				30		1																
Year	44	76	24	12	17	10	9	5	7	9	5	218	52	28	15	12	11	8	3	6	2	355	6	2	2															

Upper Air Means Table I for Stanley, Falkland Islands, 1961.

MONTH	MEAN AIR AND DEW POINT TEMPERATURES AT STANDARD LEVELS IN °C, for all ascents :—																					
	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	9.5	6.3	4.7	−0.3	2.2	−2.9	−0.5	−6.1	−6.2	−12.0	−13.8	−19.6	−22.4	−28.4	−33.2	30 −39.3	−46.5	−51.5	28 −50.1	22 −50.9	236	10090	−55.6
February	9.9	5.4	4.2	−0.6	2.1	−5.9	−0.4	−7.2	−6.9	−12.9	−13.9	−22.5	−22.7	−30.5	−33.6	20 −39.6	−46.5	−51.7	−50.2	15 −53.5	234	10500	−55.9
March	7.3	4.4	2.2	−2.3	−0.2	−5.9	−2.9	−8.5	−8.9	−14.7	−14.9	−23.2	−23.8	−32.8	−35.1	24 −41.5	−47.6	−51.8	28 −51.1	15 −52.4	256	10000	−55.2
April	29 4.8	29 3.0	29 0.4	28 −4.0	29 −2.3	28 −8.2	29 −5.2	28 −11.3	29 −11.2	28 −19.2	29 −18.2	28 −27.8	29 −27.2	28 −34.7	29 −38.1	17 −42.9	29 −49.7	29 −52.4	25 −52.3	12 −53.7	29 270	29 9600	29 −58.4
May	4.1	2.2	1.0	29 −3.7	−1.7	29 −8.0	−4.6	29 −11.6	−11.5	29 −19.4	−19.4	29 −27.4	−28.1	28 −35.8	−37.7	20 −42.6	−47.6	−56.8	28 −55.9	19 −57.3	245	10220	−58.6
June	29 1.8	29 0.6	29 −1.8	28 −6.0	29 −4.1	28 −10.0	29 −7.2	28 −13.5	29 −14.4	28 −21.3	29 −22.3	28 −29.7	29 −31.2	27 −37.4	29 −41.7	11 −42.5	29 −53.7	29 −61.7	26 −60.5	15 −60.7	29 240	29 10200	29 −63.5
July	30 1.0	30 −0.5	30 −3.3	30 −7.1	30 −5.8	30 −11.5	30 −7.7	30 −15.0	30 −12.6	30 −21.5	30 −20.5	30 −29.2	30 −29.1	30 −38.6	30 −40.4	9 −44.4	30 −53.1	30 −60.6	26 −58.5	17 −58.9	30 241	30 10250	30 −62.4
August	30 1.8	30 0.6	30 −2.8	29 −5.7	30 −5.2	29 −9.3	30 −7.9	29 −12.7	30 −13.8	29 −20.4	30 −21.1	29 −27.7	30 −30.2	29 −37.0	30 −41.2	10 −41.5	30 −53.4	30 −59.2	23 −59.0	10 −60.0	30 241	30 10240	30 −62.2
September	28 3.0	28 1.5	28 −1.7	28 −6.5	28 −4.4	28 −9.7	28 −7.1	28 −13.8	28 −13.2	28 −21.3	28 −21.2	28 −28.7	28 −29.9	28 −38.1	28 −41.3	10 −42.9	28 −53.5	28 −59.4	17 −60.2	8 −62.7	28 251	28 9960	28 −62.4
October	5.8	2.2	1.2	30 −4.9	−1.4	30 −8.0	−4.6	30 −10.9	−11.3	30 −18.5	−19.7	30 −27.2	−28.4	30 −36.4	−38.3	16 −41.5	−50.4	−56.4	26 −55.0	14 −54.8	257	9930	−59.0
November	7.9	2.1	1.7	−3.8	−1.3	−6.8	−4.3	−9.7	−10.6	−17.8	−17.9	−26.5	−26.7	−34.6	−37.7	21 42.8	−49.9	−56.1	23 −54.8	2 −57.0	249	10150	−58.3
December	23 9.6	22 3.7	23 2.5	22 −3.0	23 −0.9	22 −6.2	23 −4.3	22 −9.1	23 −10.4	22 −17.8	23 −19.0	22 −26.1	23 −27.2	22 −34.7	23 −38.4	11 41.1	23 −50.0	23 −52.5	14 −53.8	1 −52.0	280	9370	−55.6
Total	66.5	31.5	8.3	−47.9	−23.0	−92.4	−56.7	−129.4	−131.0	−216.8	−221.9	−315.6	−326.9	−419.0	−456.7	−502.6	−601.9	−670.1	−661.4	673.9	3000	120510	−707.1
Mean	5.5	2.6	0.7	−4.0	−1.9	−7.7	−4.7	−10.8	−10.9	−18.1	−18.5	−26.3	−27.2	−34.9	−38.1	−41.9	−50.2	−55.8	−55.1	−56.2	250	10040	−58.9

Upper Air Means Table II for Stanley, Falkland Islands, 1961.

MONTH	MEAN HEIGHTS ABOVE M.S.L. OF STANDARD PRESSURE LEVELS (metres)										
	900 mb.	850 mb.	800 mb.	700 mb.	600 mb.	500 mb.	400 mb.	300 mb.	200 mb.	150 mb.	100 mb.
January	826	1290	1777	2833	4004	5385	6982	8950	11600	28 13470	22 16100
February	881	1344	1820	2884	4037	5431	7031	8990	11630	13490	15 16060
March	841	1300	1782	2828	4007	5359	6949	8900	11540	28 13410	15 16020
April	29 849	29 1305	29 1784	29 2820	29 3996	29 5320	29 6895	29 8820	29 11440	25 13310	12 15920
May	821	1278	1757	2792	3958	5289	6858	8790	11390	28 13200	19 15770
June	29 849	29 1303	29 1778	29 2805	29 3956	29 5272	29 6818	29 8720	29 11260	29 13050	15 15560
July	30 924	30 1376	30 1846	30 2878	30 4028	30 5364	30 6922	30 8830	30 11370	26 13190	17 15750
August	30 884	30 1335	30 1808	30 2884	30 3989	30 5310	30 6860	30 8760	30 11320	23 13130	10 15690
September	28 897	28 1320	28 1795	28 2824	28 3980	28 5299	28 6853	28 8750	28 11310	17 13060	8 15590
October	873	1331	1798	2848	4012	5344	6911	8840	11430	20 13260	14 15860
November	852	1309	1790	2829	3998	5339	6916	8850	11450	23 13310	2 15680
December	23 849	23 1306	23 1786	23 2825	23 3992	23 5325	23 6900	23 8830	23 11450	14 13320	1 16040
Total	10346	15797	21521	34050	47957	64037	82895	106030	137190	159200	190040
Mean	862	1316	1793	2837	3996	5336	6908	8840	11430	13270	15840

Upper Air Frequency Table I for Stanley, Falkland Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	Surface																				900 mb.																					
	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	18 to 20	21 to 23	24 to 26	27 to 29	30 to 32	33 to 35	36 to 38	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	18 to 20	21 to 23	24 to 26	27 to 29	30 to 32	33 to 35	36 to 38
January									3	6	13	8	1													2	3	6	6	8	3	2	1								
February									1	5	15	7														2	1	10	5	6	1	2		1							
March									8	12	11															4	5	8	8	5			1								
April								9	8	11	1															6	9	5	5	4											
May							1	6	15	9																6	8	9	4	2		2									
June							5	12	9	3																															
July						4	4	15	7																4	10	5	8	1	1										
August						1	6	13	8	2														2	7	7	7	4	3											
September							1	9	17	1														2	4	9	10	2	3											
October							1	2	11	15	2														4	10	7	2	3	2										
November								1	4	11	10	4													3	1	8	9	6	1	2	1								
December										6	15	1	1												2	3	5	8	6	4	1	1								
																											5	8	6	2	1	1								
Year						5	18	67	91	81	67	20	2											4	24	60	73	79	56	35	8	9	2	1							

Upper Air Frequency Table II for Stanley, Falkland Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	850 mb.																				800 mb.																			
	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	18 to 20	21 to 23	24 to 26	27 to 29	30 to 32	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	18 to 20	21 to 23	24 to 26
January							1	1	9	6	7	3	2	2															3	8	8	5	3	3	1							
February							3	2	6	6	3	5	1	1	1														3	8	7	3	4	1	1	1						
March						1		9	6	7	5	2	1														1	1	7	8	8	2	3	1							
April							6	9	7	3	3	1																6	10	5	5	2	1								
May						1	5	9	9	3	2	1	1															8	5	9	5	1	1	2							
June						6	7	5	5	3	3															2	1	10	6	3	6	1									
July				1	2	6	5	10	3	2	1														1	3	3	3	10	7	2		1							
August					1	5	8	11	2	2		1														2	5	5	10	5	2		1							
September						3	7	10	5	1	2															2	1	6	9	8	1	1								
October						4	1	10	5	6	1	3	1														3	2	9	8	4	1	3	1							
November						2	3	4	9	5	4	2	1														2	3	4	11	4	3	2	1							
December							1	10	4	4	2	1	1															2	9	6	2	2	2								
Year				1	3	28	47	90	70	48	33	19	8	3	1										1	9	16	46	85	86	54	21	21	9	2	1				

Upper Air Frequency Table III for Stanley, Falkland Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges 26

700 mb.

MONTH	−33 to −35	−30 to −32	−27 to −29	−24 to −26	−21 to −23	−18 to −20	−15 to −17	−12 to −14	−9 to −11	−6 to −8	−3 to −5	0 to −2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	18 to 20	21 to 23
January									9	12	5	3		2						
February								2	10	6	6	2	1		1					
March							2	6	10	5	7	1								
April							9	6	7	4	2	1								
May					1	3	4	7	10	2	2	1	1							
June					2	6	3	7	7	4										
July				1	2	1	7	4	9	4	2									
August				1		7	4	10	5	2	1									
September						5	5	9	7	1		1								
October					1		8	7	7	4	4									
November					1	2	3	5	7	10	1	1								
December							1	8	8	2	4									
Year				2	7	24	46	71	96	56	34	10	2	2	1					

600 mb.

MONTH	−42 to −44	−39 to −41	−36 to −38	−33 to −35	−30 to −32	−27 to −29	−24 to −26	−21 to −23	−18 to −20	−15 to −17	−12 to −14	−9 to −11	−6 to −8	−3 to −5	0 to −2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14
January								1	4	9	9	5	1	2						
February								1	4	8	6	7	1	1						
March								5	3	9	6	6	2							
April							3	7	4	8	5	2								
May					1	1	7	3	5	9	2	2	1							
June					2	6	5	4	8	2	2									
July						4	5	5	5	8	2	1								
August						2	9	5	9	3	2									
September						3	4	8	8	4		1								
October					1		7	5	6	8	3	1								
November							4	5	4	10	6	1								
December							2	8	3	6	4									
Year					4	16	46	57	63	84	47	26	5	3						

Upper Air Frequency Table IV for Stanley, Falkland Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	500 mb.																			400 mb.																							
	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11
January									2	2	11	7	3	5	1														1	3	5	10	7	2	3						
February									3	3	5	9	4	4															1	3	4	9	6	4	1						
March									6	4	5	7	5	4														1	2	6	3	8	7	2	2						
April							2	2	5	6	6	5	3													1	2	5	5	5	8	3								
May						1	1	4	8	2	8	5	2													1	4	2	5	9	4	5	1							
June						5	3	4	3	9	3	1	1													8	1	4	8	2	6									
July							4	5	5	5	6	5														3	7	4	4	8	4									
August							5	6	7	6	3	3														2	5	9	6	4	4									
September						1	1	5	7	9	4		1													3	3	8	6	5	2	1								
October						1		5	7	9	3	4	1	1												1	1	5	9	8	4	1	2							
November								5	5	5	6	7	1	1													1	5	4	8	8	3	1								
December								1	9	3	4	5	1													1		8	3	3	3	5								
Year						8	16	37	67	63	64	58	22	15	1											20	25	54	62	64	70	38	12	6						

Upper Air Frequency Table V for Stanley, Falkland Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges 26

MONTH	300 mb.																				200 mb.																					
	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-84 to -86	-81 to -83	-78 to -80	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29
January									5	9	7	6	3	1																											
February									7	7	7	4	3															4	2	6	6	4	2	6	1					
March								2	6	10	7	4	1	1													1	2	6	4	3	8	2	2					
April								4	7	9	9																1	3	6	2	3	6	7	2	1					
May							2	1	10	6	9	2	1													1	1	2	4	2	8	4	5	1	1					
June							5	11	7	4	2																4	7	8	3	3	5	1							
July							3	12	8	7															2	4	4		6	9	1	3								
August						1	5	9	11	2	2															3	3	5	4	8	3	4								
September						2	5	6	10	2	3															1	4	4	4	7	3	7								
October						1		5	11	8	4	2														2	1	6	5	4	4	6								
November							2	1	10	11	3	2	1														2	1	5	7	11	1	1	2	1					
December							1	2	8	7	2	3																5	3	3	9	6	4							
Year						4	23	53	100	82	55	23	9	2											2	10	15	29	46	67	52	57	36	20	14	3				

Upper Air Frequency Table VI for Stanley, Falkland Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	150 mb.																			100 mb.																			
	-84 to -86	-81 to -83	-78 to -80	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-84 to -86	-81 to -83	-78 to -80	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29
January								1			5	8	5	7	2															1	4	7	7	3						
February									1	3	7	7	6	4																2	6	6	1							
March									1	3	6	3	6	7	2															2	5	3	3	2						
April								1	1	3	3	6	9	1	1													1		2	2	5	2							
May							1	1	3	5	10	5	3																3	10	5	1								
June					1		3	5	6	7	3	1															2	1	4	7	1								
July						1	1	3	5	6	6	4															1		8	3	4		1							
August			1					4	5	4	3	5	1														1	2	5	1		1								
September					1		1		8	4	2	1															3	2	2		1									
October								1	2	9	6	4	3		1														1	3	7	1	1	1							
November								2	2	2	6	9	1	1																1	1										
December									1	2	6	3	2																			1									
Year			1		2	1	6	18	35	48	63	56	36	20	6												7	6	23	32	36	25	15	6						

Upper Air Frequency Table VII for Stanley, Falkland Islands, 1961.

RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations in 10% ranges for all ascents :- 5

Surface.

MONTH	0 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
January						2	4	7	10	7	1
February						1	9	8	6	4	
March							5	6	12	7	1
April								4	14	10	1
May								8	13	8	2
June							1	2	10	11	5
July								3	9	14	4
August								2	9	12	7
September							1	5	6	11	5
October					1	3	2	9	11	4	1
November				1	1	7	8	6	6	1	
December					2	3	9	6	1	1	
Year				1	4	16	39	66	107	90	27

900 mb.

MONTH	0 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
January				2	2	2	2	12	7	4	
February			1			4	3	8	6	5	1
March			1		2	4		9	9	6	
April					2	1	8	8	7	2	
May				2	1	2	5	6	10	3	
June			1	1	1	1	5	3	11	5	
July				4	1	2	1	2	10	9	1
August						1	4	4	11	9	
September			1		1	4	4	8	7	3	
October				3	2	1	9	5	8	2	
November			1		3	3	7	8	8		
December				1	3	1	6	4	6	1	
Year			5	13	18	26	54	77	100	49	2

850 mb.

MONTH	0 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
January				3	1	3	7	7	8	2	
February				2	2	5	6	6	5	1	1
March			1	1	4	2	5	4	12	2	
April		1		1	1	5	6	7	6	1	
May			3		3	5	5	4	5	4	
June		1	1	3	1	2	2	3	13	2	
July			3	2	3	1	4	4	10	2	1
August			1		1	1	5	7	10	4	
September			1	1		6	5	5	8	2	
October				3	6	4	6	4	4	3	
November				1	2	3	8	4	11	1	
December				1	2	2	4	8	4	1	
Year		2	10	18	26	39	63	63	96	25	2

800 mb.

MONTH	0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 70	80 to 89	90 to 99	=> 100
January			2	1	3	2	4	7	9	3	
February				3	5	4	3	6	6	1	
March			1	1	4	3	5	5	11	1	
April		1		2		7	5	5	7	1	
May		2	1	1	4	5	5	3	6	2	
June		2		4	1	3	1	6	8	3	
July			5	1	3	5	3	3	9	1	
August		1		1	2	1	6	7	9	2	
September			2	2	2	6	5	6	5		
October				3	4	6	5	7	4	1	
November			1	2	1	3	8	6	7	2	
December				1	1		6	6	7	1	
Year		6	12	22	30	45	56	67	88	18	

Upper Air Frequency Table VIII for Stanley, Falkland Islands, 1961.

RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations in 10% ranges for all ascents:– 5

700 mb.

MONTH	0 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
January		1	1		2	5	5	12	4	1	
February			1	4	2	7	2	3	8	1	
March		1	1	1	5	3	7	5	5	3	
April			4	1	7	5	2	7	2		
May		1	5	1	8	2	3	5	4		
June		2	2		3	5	5	3	7	1	
July		2	4	3	5	5	4	4	1	2	
August		1	1	1	5	7	4	3	4	3	
September		2	3	4	1	7	3	2	4	2	
October		1	3	5	2	5	5	3	5	1	
November			3	3	2	7	2	8	4	1	
December			2		4	5	5	2	3	1	
Year		11	30	23	46	63	47	57	51	16	

600 mb.

MONTH	0 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
January		1		2	1	7	6	8	6		
February			6	2	5	4	2	7	2		
March	1	3	1	1	5	8	2	4	4	2	
April	2	2	2	2	3	6	4	2	5		
May		1	5	4	3	6	1	4	5		
June		3		2	3	7	6	2	5		
July			10	2	4	3	3	3	4	1	
August		1	1	4	3	5	7	5	2	1	
September		1	4	3	2	7	2	5	3		1
October			5	2	6	4	5	5	1	2	
November			4	5	5	3	4	9			
December		1	2	3	2	2	5	4	3		
Year	3	13	40	32	42	62	47	58	40	6	1

500 mb.

MONTH	0 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
January			1	3	3	7	9	7	1		
February		1	4	4	3	4	2	10			
March	1	4	1	6	4	5	2	6	1	1	
April	1	1	3	2	3	5	5	4	3	1	
May			4	7	4	4	2	5	2		
June		3			5	3	7	8	1		
July		4	8	4	3	2	2	6		1	
August			1	7	4	5	4	7	1		
September		2	4	5	2	8	2	3	1	1	
October		2	4	4	5	3	5	6		1	
November	1	1	3	4	4	8	5	4			
December			5		2	6	4	5			
Year	3	18	38	46	42	60	49	71	10	5	

400 mb.

MONTH	0 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
January			1	2	10	6	9	1	1		
February			4	5	2	1	8	5	1		
March		3	2	4	4	5	2	4			
April		2	3	1	3	2	2	2	2		
May			6	2	2	2	6	2			
June			1	1	1	2	6				
July		1	2	2	1		1	2			
August				2		3	3	2			
September				2	2	3	1	1	1		
October			1	1	4	2	6	1	1		
November			2	3	6	4	5	1			
December			1	2	2	2	1	3			
Year		6	23	27	37	32	50	24	6		

Upper Air Frequency Table IX for Stanley, Falkland Islands, 1961.

MONTH	Mean Wind Speed	WINDS at STATION LEVEL : Number of observations at all ascents 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	18.0	5	14	7	4										6	5	1		1	2		1	3	3	3	5	30
February	19.4	6	8	8	6										5	2					1	3	4	7	2	4	28
March	19.9	3	14	9	4										3	1	1		1	1	1		4	9	4	5	30
April	14.1	7	13	5	2									1	2	2						1	7	7	1	7	28
May	19.4	1	15	12	2										2	1						2	5	10	6	4	30
June	18.4	2	7	10	2										3						1	1		6	4	6	21
July	16.4	4	19	4	3									1	4	1		1	2		3	2	4	6	4	3	31
August	16.9	3	14	6	3									2	3	2	2	1	1			5	5	3	3	1	28
September	18.5	5	9	13	1	1									2	4			1		2	6	5	1	6	2	29
October	17.7	3	15	11	2															2		2	6	2	10	9	31
November	18.5	4	11	13	2										3						2	3	8	3	7	4	30
December	17.3	1	12	7	2																1	8	2	4	3	4	22
Year	17.9	44	151	105	33	1								4	33	18	4	2	6	5	11	34	53	61	53	54	338

Upper Air Frequency Table X for Stanley, Falkland Islands, 1961.

MONTH	Mean Wind Speed	WINDS at 900 mb. : Number of observations at all ascents 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	22.9	4	11	6	5	4									4	1			1	2		4	3	6	3	6	30
February	25.8	2	8	5	10	3										1					1	4	7	4	6	5	28
March	30.3	1	5	7	10	7									1				2			1	12	5	6	3	30
April	21.4	2	11	9	4	2									1					1		9	5	4	5	3	28
May	32.0	1	1	10	11	7									1							1	13	11	3	1	30
June	30.2		4	6	8	3															2	2	6	2	6	3	21
July	24.1	1	14	5	9	2									4		1		2		3	5	6	4	2	4	31
August	26.9	3	4	10	7	4									1	3	2		1		1	7	5	4	1	3	28
September	26.9	1	8	6	10	4									3	3				2		7	4	7	2	1	29
October	28.7		5	12	9	4														1		1	4	13	4	7	30
November	24.9	1	8	11	9	1									1						1	2	8	9	3	6	30
December	24.1	3	1	13	4	1															1	3	5	8	2	3	22
Year	26.5	19	80	100	96	42									16	8	3		6	6	9	46	78	77	43	45	337

Upper Air Frequency Table XI for Stanley, Falkland Islands, 1961.

MONTH	MEAN WIND SPEED	WINDS at 850 mb. : Number of observations at all ascents 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	24.3	3	5	13	4	5									2				1	1	2	2	5	5	6	6	30
February	26.6	2	7	8	9	2															1	4	6	7	5	5	28
March	31.6	2	5	4	10	8	1												1	1		3	8	10	4	3	30
April	22.2	2	10	8	6	2														1		9	5	6	5	2	28
May	32.9		4	8	10	8									1							2	12	14		1	30
June	31.4		4	7	3	7															1	3	7	3	4	3	21
July	25.6	2	9	10	6	4									3		1		1	1	2	4	9	3	3	4	31
August	28.0	2	6	10	5	4	1								1	2	2		1		1	6	4	7	1	3	28
September	27.9	1	6	10	7	5									2	4				1	2	6	5	8		1	29
October	30.4	1	6	5	11	7															1	1	7	11	5	5	30
November	27.5	1	8	7	11	3									1						1	2	8	9	7	2	30
December	26.7	1	5	8	6	2																3	6	8	4	1	22
Year	27.9	17	75	98	88	57	2								10	6	3		4	5	11	45	82	91	44	36	337

Upper Air Frequency Table XII for Stanley, Falkland Islands, 1961.

MONTH	Mean Wind Speed	WINDS at 800 mb. : Number of observations at all ascents 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	26.8	1	4	10	8	7									2				1	1	1	4	3	5	11	2	30
February	28.1	2	5	8	10	3																5	6	8	6	3	28
March	32.5	2	4	5	9	9	1											1		1		3	7	11	5	2	30
April	23.7	1	11	9	4	3														1		7	7	5	6	2	28
May	34.5		2	9	7	11	1								1							1	13	13	2		30
June	32.5		4	5	6	6															2	2	7	4	3	3	21
July	25.6	2	11	7	7	4									3		1		1	1	2	5	8	3	3	4	31
August	28.5	3	6	7	5	7										1	3		1		1	6	6	5	2	3	28
September	27.4	1	7	7	9	5									3	3				1	2	6	5	8	1		29
October	31.4	1	6	7	8	8															1	1	8	10	5	5	30
November	30.7	1	7	7	8	7										1					1	2	6	12	7	1	30
December	28.6	1	4	6	7	4																2	8	6	5	1	22
Year	29.2	15	71	87	88	74	2								9	5	4	1	3	5	10	44	84	90	56	26	337

Upper Air Frequency Table XIII for Stanley, Falkland Islands, 1961.

WINDS at 700 mb. : Number of observations at all ascents of :—

MONTH	Mean Wind Speed	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	30.4	2	6	11	5	6								1				1	2	1	2	5	6	11	1	30
February	33.1	1	3	6	9	9													1	2	2	5	9	8	1	28
March	34.5	1	5	5	8	9	2							1					1	1	3	8	10	6	2	30
April	26.7	1	6	11	8	2													1		7	7	6	4	2	28
May	37.8		2	7	7	13	1														2	11	10	6	1	30
June	36.9		1	7	5	7	1													2	3	4	6	4	2	21
July	25.2	1	10	11	5	4								2			1		2	2	4	9	5	2	4	31
August	30.1	2	9	3	4	8	2							2				2		1	5	5	8	3	2	28
September	27.3	1	6	11	5	6								2					1	3	6	5	7	1	2	29
October	33.9	2		10	10	7	1							2	1	1						9	10	8	2	30
November	37.1	1	1	5	9	13	1													1		1	9	13	4	1	30
December	33.5	1	2	4	8	7								1								3	7	6	6		22
Year	32.2	13	51	91	83	91	8							9	1	2	2	1	7	14	38	84	96	63	20	337

Upper Air Frequency Table XIV for Stanley, Falkland Islands, 1961.

MONTH	Mean Wind Speed	WINDS at 600 mb. : Number of observations at all ascents 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	35.4		6	5	9	8	2								2		1		1		2	4	2	7	10	1	30
February	40.0		2	4	7	12	3													1	2		7	10	6	2	28
March	43.7		3	3	4	15	5														1	3	8	9	8	1	30
April	31.7	1	3	8	11	5									1		1					7	7	6	4	2	28
May	43.4			8	3	14	5															1	11	11	7		30
June	40.8		1	7	4	5	4														1	4	4	7	3	2	21
July	28.1	5	5	10	5	4	2								2			1		1	2	4	11	4	3	3	31
August	33.9		10	5	2	7	4								2			2		1		3	7	7	5	1	28
September	29.5	1	6	11	6	3	2								1	2				1	3	6	5	7	2	2	29
October	37.3		2	6	9	11	2														1	1	7	10	9	2	30
November	42.3		3	3	8	13	3														1	2	8	11	7	1	30
December	39.0		2	4	6	6	4															4	5	9	4		22
Year	37.1	7	43	74	74	103	36								8	2	2	3	1	4	13	39	82	98	68	17	337

Upper Air Frequency Table XV for Stanley, Falkland Islands, 1961.

MONTH	MEAN WIND SPEED	WINDS at 500 mb. : Number of observations at all ascents 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		5	3	6	10	4	1							2		1		1		1	5	1	11	6	1	29
February	47.9		1	4	5	11	6	1											1		2		8	9	7	1	28
March	49.5		1	1	8	11	9														1	3	5	11	9	1	30
April	39.0	1	2	6	7	7	4	1								1					2	5	8	4	3	5	28
May	55.4			4	2	12	8	4													1	2	11	10	5	1	30
June	44.8			5	5	6	4	1												1	1	4	4	4	5	2	21
July	33.9	3	5	7	8	4	3	1							2	1				2	3	4	9	5	2	3	31
August	40.7	2	4	5	4	7	5	1							2				2		1	4	8	7	3	1	28
September	32.2	1	3	14	4	4	3								2	1				2		7	4	9	2	2	29
October	41.7		2	6	5	13	4														2		6	10	8	4	30
November	50.8	1	1	3	2	13	9	1													1	2	11	8	7	1	30
December	41.5		2	2	8	5	5														1	3	5	8	5		22
Year	43.1	8	26	60	64	103	64	11							8	3	1		4	5	16	39	80	96	62	22	336

Upper Air Frequency Table XVI for Stanley, Falkland Islands, 1961.

MONTH	Mean Wind Speed	WINDS at 400 mb. : Number of observations at all ascents 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	45.5	1	4	3	2	9	8	1							1	2			1	2	1	3	1	10	7		28
February	57.4		1	2	1	12	8	3	1								1	1				1	8	8	8	1	28
March	57.8		1	1	3	8	13	4													1	4	5	10	5	5	30
April	45.9		2	3	6	11	4	2							1						1	7	7	2	7	3	28
May	68.7			3	3	6	7	7	2	2											2	1	11	10	6		30
June	54.1		1	4	2	5	6	2	1											1	1	4	6	2	5	2	21
July	36.5	1	3	13	4	6	2	1	1						4					3	3	1	9	7	2	2	31
August	48.4		4	4	4	7	6	2	1						2	1			1			6	6	8	3	1	28
September	37.9		5	5	6	8	5								2					2	1	2	8	8	3	3	29
October	47.5		3	3	6	9	5	3	1												2	2	6	11	6	3	30
November	60.1		1	3	3	5	13	4	1												1	3	12	8	5	1	30
December	52.3		1	2	3	10	1	4	1												1	3	6	9	3		22
Year	51.0	2	26	46	43	96	78	33	9	2					10	3	1	1	2	8	14	37	85	93	60	21	335

Upper Air Frequency Table XVII for Stanley, Falkland Islands, 1961.

MONTH	MEAN WIND SPEED	WINDS at 300 mb. : Number of observations at all ascents 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	56.7	1	3	2	2	5	10	3	2						3		2		2	1		3	2	9	5	1	28
February	71.9			2	2	5	9	4	4	2								1		1		2	6	9	7	2	28
March	71.1			1	2	5	12	6	2	1											1	4	5	10	4	5	29
April	51.0		1	5	8	5	4	3	2												2	9	2	5	5	5	28
May	78.6			2	2	4	11	2	5	3	1										2	1	10	11	5	1	30
June	60.2			5	2	4	5	3	2											1		7	4	2	5	2	21
July	43.5		3	10	4	5	6	2	1						2	1			1	1	3	3	6	10	2	2	31
August	56.0	3	1	1	1	10	8	2	2						1	2				1		5	8	5	4	2	28
September	46.1	1	3	5	4	7	7	2							2						2	5	7	6	5	2	29
October	56.7		2	2	7	7	6	4	1	1											1	3	5	10	7	4	30
November	72.9			2	1	8	10	3	3	2	1										1	2	11	9	7		30
December	67.5			1	2	7	5	2	3	2												5	3	11	2	1	22
Year	61.0	5	13	38	37	72	93	36	27	11	2				8	3	2	1	3	5	12	49	69	97	58	27	334

Upper Air Frequency Table XVIII for Stanley, Falkland Islands, 1961.

MONTH	MEAN WIND SPEED	WINDS at 200 mb. : Number of observations at all ascents 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	52.3	1	3	3	5	5	5	5	1						1							3	3	8	13		28
February	65.7		1	1	1	8	9	4	4													3	7	9	8	1	28
March	66.0				3	9	11	3	3													5	3	13	7	1	29
April	43.7		1	5	9	7	5	1													1	5	5	8	6	3	28
May	76.4			1		10	6	6	3	4											1	2	8	14	5		30
June	60.1			3	3	5	5	2	1		1								1			6	5	4	2	2	20
July	44.1	1		5	9	11	1	4										1		1	1	4	7	11	4	2	31
August	57.3		1	4	4	7	7	2	3													3	9	8	6	2	28
September	51.4		1	5	4	7	9	3													1	1	9	11	7		29
October	61.8				3	12	10	2	2										1				5	12	10	1	29
November	72.2			1	2	10	9	2	3	2	1										1	2	7	13	7		30
December	60.3			2	4	6	4	5		1												2	7	10	3		22
Year	59.3	2	7	30	47	97	81	39	20	7	2				1			1	1	2	5	36	75	121	78	12	332

Upper Air Frequency Table XIX for Stanley, Falkland Islands, 1961.

MONTH	MEAN WIND SPEED	WINDS at 150 mb. : Number of observations at all ascents 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	38.9		3	3	7	7	2															1	3	7	10	1	22
February	38.6		1	1	4	10	5	1														1	5	9	7		22
March	55.8				3	10	11															3	5	10	5	1	24
April	34.8		1	8	6	7	1															4	7	7	4	1	23
May	65.6				1	12	7	6		1												2	6	15	4		27
June	68.5				3	3	5	2		2												2	5	4	3	1	15
July	44.2			3	7	10	3	1														3	7	10	4		24
August	56.5			2	1	7	5	2															6	7	4		17
September	60.5				1	8	8																5	8	3	1	17
October	64.5				1	8	9	4															3	14	5		22
November	72.3				1	5	5	1	2	1												1	4	6	4		15
December	47.7				3	5	3																4	5	2		11
Year	54.0		5	17	38	92	64	17	2	4												17	60	102	55	5	239

Upper Air Frequency Table XX for Stanley, Falkland Islands, 1961.

MONTH	MEAN WIND SPEED	WINDS at 100 mb. : Number of observations at all ascents 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	27.8		2	7	5	1																1	3	4	7		15
February	35.1			3	4	3	1															1	3	4	3		11
March	41.1				7	4																1	2	4	3	1	11
April	28.1		1	6		1																1	2	3	2		8
May	56.3				1	7	2	2															4	6	2		12
June	60.4					3	3	1															3	3	1		7
July	55.1				2	4	5															1	3	6	1		11
August	59.2					3	1	1															1	2	2		5
September	78.6						3	1	1															5			5
October	55.8					6	3																2	5	2		9
November	49.0					1																		1			1
December	47.0					1																			1		1
Year	49.5		3	16	19	34	18	5	1													5	23	43	24	1	96

Upper Air Frequency Table XXI for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 15 metre ranges :– 22

900 mb. Mean height 862 metres. I.C.A.N. height 988 metres.

MONTH	510 to 524	525 to 539	540 to 554	555 to 569	570 to 584	585 to 599	600 to 614	615 to 629	630 to 644	645 to 659	660 to 674	675 to 689	690 to 704	705 to 719	720 to 734	735 to 749	750 to 764	765 to 779	780 to 794	795 to 809	810 to 824	825 to 839	840 to 854	855 to 869	870 to 884	885 to 899	900 to 914	915 to 929	930 to 944	945 to 959	960 to 974	975 to 989	990 to 1004	1005 to 1019	1020 to 1034	1035 to 1049	1050 to 1064	1065 to 1079	1080 to 1094	1095 to 1109	1110 to 1124	1125 to 1139	1140 to 1154	1155 to 1169	1170 to 1184
January													1	1	3	2	1	3	1	2	1	3	3		2	1	2	2		1			1	1											
February																		1		1		3		4	3	6	5	3	1	1															
March														1	2		2	2		3	4	1	3	5	1	2			1	2		2													
April						1										3	1	1		1	1	6	3	3	1	2	2	1	1					1	1									
May									1			2		1		2	1	1	2	3		3	2	5	3	2	1	1			1													
June													1		2	1	3		2		2	2	4	2			2	2	1	2	1			1	1									
July																		2	2	1	3	1		4	1		1		3				2	2		3	3	1		1				
August																1			2	2	3	1	3	4	2		1	3	1		2	1	2		1		1						
September															3		1	1	1	1	2		3	3	2	1	1	2	2	1	1		1	2										
October										1		2	2	1				1			1	1	1	1		3	6	4	1		1	2	1	1			1						
November														1		1	3		1	1	2	2	3	3	2	3	2	3	1	1	1												
December														2		1				3	1	1	3	1	5	1	4		1														
Total					1			1		1	2	4	8	11	11	12	12	11	18	20	24	28	35	22	21	27	21	13	8	6	6	7	7	3	4	5	1		1				

Upper Air Frequency Table XXII for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 15 metre ranges :- 22

850 mb. Mean height 1,316 metres. I.C.A.N. height 1,457 metres.

MONTH	960 to 974	975 to 989	990 to 1004	1005 to 1019	1020 to 1034	1035 to 1049	1050 to 1064	1065 to 1079	1080 to 1094	1095 to 1109	1110 to 1124	1125 to 1139	1140 to 1154	1155 to 1169	1170 to 1184	1185 to 1199	1200 to 1214	1215 to 1229	1230 to 1244	1245 to 1259	1260 to 1274	1275 to 1289	1290 to 1304	1305 to 1319	1320 to 1334	1335 to 1349	1350 to 1364	1365 to 1379	1380 to 1394	1395 to 1409	1410 to 1424	1425 to 1439	1440 to 1454	1455 to 1469	1470 to 1484	1485 to 1499	1500 to 1514	1515 to 1529	1530 to 1544	1545 to 1559	1560 to 1574	1575 to 1589	1590 to 1604	1605 to 1619	1620 to 1634
January													1		1	3	2	2	3	1	2	1	3		2	3	1	1	1	1	1				2										
February																				1	1	1	2	2	5	1	6	4	4		1														
March															1	2	1	2	2	1	3	3	1	2	5	1	2	1		1	1	2													
April							1									2	2		1		1	2	6	3	1	2	3	1	2							2									
May										1		2			1	2			3	3	1	3	1	3	4	2	2	2				1													
June														1	2	1	2	1	1	1	2	2	2	3		1	2	2	3		1		1		1										
July																		1	3	1	2	1		3	3	1		1	1	1		1	1	2		4	2		1	1					
August																1			2	1	3	4	1	5	1		1	3	1		3		2		1		1							
September															3		1	1	1	1	1	1	1	3	4		2	3	1	1	1		1	2										
October											1		1	2	1	1		1			1		2	1	5	1	2	3	2	2		1	1	1	1		1							
November															1		3	1	1	1	2	2	1	3	3	2	4	3		2		1												
December															2		1			2	1	1	3	2	3	1	2	4	1															
Total							1			1	1	2	2	3	12	12	12	9	17	13	20	21	23	30	36	15	27	28	16	8	8	6	6	5	5	6	4		1	1					

Upper Air Frequency Table XXIII for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 15 metre ranges :- 22

800 mb. Mean height 1,793 metres. I.C.A.N. height 1,949 metres.

MONTH	1425 to 1439	1440 to 1454	1455 to 1469	1470 to 1484	1485 to 1499	1500 to 1514	1515 to 1529	1530 to 1544	1545 to 1559	1560 to 1574	1575 to 1589	1590 to 1604	1605 to 1619	1620 to 1634	1635 to 1649	1650 to 1664	1665 to 1679	1680 to 1694	1695 to 1709	1710 to 1724	1725 to 1739	1740 to 1754	1755 to 1769	1770 to 1784	1785 to 1799	1800 to 1814	1815 to 1829	1830 to 1844	1845 to 1859	1860 to 1874	1875 to 1889	1890 to 1904	1905 to 1919	1920 to 1934	1935 to 1949	1950 to 1964	1965 to 1979	1980 to 1994	1995 to 2009	2010 to 2024	2025 to 2039	2040 to 2054	2055 to 2069	2070 to 2084	2085 to 2099
January															1	1		4	2	3	1	3	1	2	1	1	3	1	1	2	1	1					2								
February																						2	1		4	3	2	3	7	3	1	2													
March																1	2	1	1	2	1	2	3	3	2	4	2	2		1	1	1	2												
April								1									3	1		1	1	1	3	4	3	2	2		3	1	1						1	1							
May											1	1	1			1	2			2	3	2	3	1	3	5	1	3	1				1											
June															2	1	1	1	2	1	1	2	3	3	1	1		2	2	3		1	1		1									
July																			2	3	2	1		3	1	3			2			2		1	3		4	1			1	1		
August																	1		1	3	1	2	2	4	3	1	1		4		2	1	1	1		1	1							
September															1	1	1	1	1	1	1	1	2	1	4	2		4	1	2		1	1	1	1									
October												1	1		3			2				1	1	1	1		2	3	5	3	1		1	1	3		1							
November															1		1	2	1	1	2	2	2	2	2	1	1	5	3	1	2		1												
December																2		1				3	3	2	1	3	1	2	2	3															
Total								1			1	2	2		8	7	11	13	10	17	13	22	24	26	26	26	15	25	31	19	9	9	8	4	8	1	9	2			1	1			

Upper Air Frequency Table XXIV for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

700 mb. Mean height 2,837 metres. I.C.A.N. height 3,012 metres.

MONTH	219 to 221	222 to 224	225 to 227	228 to 230	231 to 233	234 to 236	237 to 239	240 to 242	243 to 245	246 to 248	249 to 251	252 to 254	255 to 257	258 to 260	261 to 263	264 to 266	267 to 269	270 to 272	273 to 275	276 to 278	279 to 281	282 to 284	285 to 287	288 to 290	291 to 293	294 to 296	297 to 299	300 to 302	303 to 305	306 to 308	309 to 311	312 to 314	315 to 317	318 to 320	321 to 323	324 to 326	327 to 329	330 to 332	333 to 335	336 to 338	339 to 341	342 to 344	345 to 347	348 to 350	351 to 353
January																	2	1	5	4	4	2	4	1	3	3			1	1															
February																					3	4	5	9	3	3		1																
March																		4	1	4	4	6	5	2	2	3																			
April													1				3	1	1	5	1	7	3	4		1		1	1																
May														1	1		2	3	2	3	5	8	3	2		1																		
June																2	1	3	4	3	5	3	2	1	4		1																	
July																	1	2	2	4	4	2	1	2		4	1	5		1	1														
August																		3	3	5	1	6	3	3	3	1	1	1																	
September																1	2	1	3	3		7	5	2	1	2	1																	
October															1	3	2		1	2	1	1	6	4	3	1	5	1																	
November																	2	1	3	6	3		5	4	4	2																			
December																	2		1	3	5	4	2	4		2																			
Year													1	1	2	6	17	19	26	42	36	50	44	38	23	23	9	9	2	2	1													

Upper Air Frequency Table XXV for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

600 mb. Mean height 3,996 metres. I.C.A.N. height 4,206 metres.

MONTH	330 to 332	333 to 335	336 to 338	339 to 341	342 to 344	345 to 347	348 to 350	351 to 353	354 to 356	357 to 359	360 to 362	363 to 365	366 to 368	369 to 371	372 to 374	375 to 377	378 to 380	381 to 383	384 to 386	387 to 389	390 to 392	393 to 395	396 to 398	399 to 401	402 to 404	405 to 407	408 to 410	411 to 413	414 to 416	417 to 419	420 to 422	423 to 425	426 to 428	429 to 431	432 to 434	435 to 437	438 to 440	441 to 443	444 to 446	447 to 449	450 to 452	453 to 455	456 to 458	459 to 461	462 to 464
January																			2	1	2	4	7	1	5		3	1	2	1			1	1										
February																							4	1	7	5	4	2	4			1											
March																			1	3	3	1	5	5	4	4	1	2	2														
April															1			3		1	4	2	3	5	2	3	2		1		1	1											
May																2		2	2	2	4	2	4	6	3	3		1															
June																	1	4	1	3	5	2	2	4	2	1	3	1															
July																		1	3	1	4	3		4	1	1	1		4	5			1	1									
August																			3	4	2	3	3	2	5	3	2	2		1													
September															1			2		2	4	1	4	5	2	3	2	1	1	–														
October																1	3	2				4	1	2	5	2	3	3	4	1														
November																			2	1	7	2	3		5	3	3	3	1														
December																			2		1	6	2	5	2	2	1	2															
Year															1	4	4	14	16	18	36	30	38	40	43	30	25	18	19	8	1	2	2	2									

Upper Air Frequency Table XXVI for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

500 mb. Mean height 5,336 metres. I.C.A.N. height 5,574 metres.

MONTH	468 to 470	471 to 473	474 to 476	477 to 479	480 to 482	483 to 485	486 to 488	489 to 491	492 to 494	495 to 497	498 to 500	501 to 503	504 to 506	507 to 509	510 to 512	513 to 515	516 to 518	519 to 521	522 to 524	525 to 527	528 to 530	531 to 533	534 to 536	537 to 539	540 to 542	543 to 545	546 to 548	549 to 551	552 to 554	555 to 557	558 to 560	561 to 563	564 to 566	567 to 569	570 to 572	573 to 575	576 to 578	579 to 581	582 to 584	585 to 587	588 to 590	591 to 593	594 to 596	597 to 599	600 to 602
January																	1	2		1	6	4	3	3	2		4		2		1		1		1										
February																					2	2	2	5	5	3	2	2	3	1			1										
March																	1	3	2	2	1	5	1	3	4	2	5		1	1														
April														1	1	1	1	2	2	3	3	4	1	2	3		2	1		1		1											
May													1	1	2	1		4	2	3	4	1	3	2	4	2	1																
June														1	1	4		4	4	2	3	1	2	3	1	3																	
July															1		3	3	2	2	2	3		1	2		1	3	5			1	1											
August															1	1	3	3	2	1	3	4	1	5	3		2		1															
September												1			2				5	6	1	3	3	1	3	2		1															
October														3	2		1			3	2	3	1	4	1	5		5		1													
November																	2	3	3	2	3	2	2	2	4	2	2	3															
December																	1	1		5	4	2	3	3		2	2																
Year												1	1	6	10	7	13	25	22	30	34	34	22	34	32	21	21	15	12	4	1	2	3		1									

Upper Air Frequency Table XXVII for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

400 mb. Mean height 6,908 metres. I.C.A.N. height 7,185 metres.

MONTH	627 to 629	630 to 632	633 to 635	636 to 638	639 to 641	642 to 644	645 to 647	648 to 650	651 to 653	654 to 656	657 to 659	660 to 662	663 to 665	666 to 668	669 to 671	672 to 674	675 to 677	678 to 680	681 to 683	684 to 686	687 to 689	690 to 692	693 to 695	696 to 698	699 to 701	702 to 704	705 to 707	708 to 710	711 to 713	714 to 716	717 to 719	720 to 722	723 to 725	726 to 728	729 to 731	732 to 734	735 to 737	738 to 740	741 to 743	744 to 746	747 to 749	750 to 752	753 to 755	756 to 758	759 to 761
January																1	2			1	5	5	3	1	2	2		2	3		1		1		1		1								
February																			1	2		1	2	5	3	3	2	2	3		3				1									
March															1	1		4	1	4	2		1	3	3	2	3	3	2		1													
April												1	1	1	1	1	1	3	2	3	3	1	1	1	3	1	2		1	1			1											
May										1		1		3	1		3	3	3	3		1	3	1	3	2	2	1															
June											1	1	3		4	1	1	2	3	3	2		2	2	3		1																
July												1		2	1	2	3	1	1	2	3			3		1	1	4	3		1		1										
August													2		2	3	1	2	4	1	3	2	4	1	2	1	1	1															
September										1		1	1			2	1	4	4	2	1	4	2	1	2		1	1															
October											1	2	2				1	1	3	2	1	2	3	1	2	4	3		1	1		1											
November															1	4		4		1	4	1	3	2	4	1	1	3	1															
December																1		3	3	4	2	1	3	2		1	1	2															
Year										2	2	7	9	6	11	16	13	27	25	28	26	18	27	23	27	18	18	19	14	2	6	1	3		2		1							

Upper Air Frequency Table XXVIII for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:—

300 mb. Mean height 8,840 metres. I.C.A.N. height 9,164 metres.

MONTH	822 to 824	825 to 827	828 to 830	831 to 833	834 to 836	837 to 839	840 to 842	843 to 845	846 to 848	849 to 851	852 to 854	855 to 857	858 to 860	861 to 863	864 to 866	867 to 869	870 to 872	873 to 875	876 to 878	879 to 881	882 to 884	885 to 887	888 to 890	891 to 893	894 to 896	897 to 899	900 to 902	903 to 905	906 to 908	909 to 911	912 to 914	915 to 917	918 to 920	921 to 923	924 to 926	927 to 929	930 to 932	933 to 935	936 to 938	939 to 941	942 to 944	945 to 947	948 to 950	951 to 953	954 to 956
January																2	1		1	2	5	1	3	4	1		1		2	4		1			1		1			1					
February																		2			1	1	3	3	2	5	2	1	1	2	1		3			1									
March													1		1		3	3	3		2		1	2	2	3	3	2	4			1													
April									1			3		2		1	3	1	4	2		1	1	1	1	2	1	2	1	1					1										
May							1				2	1	1	2		2	2	4	2	1		3	1	1	1	2	2	2	1															
June								1	2	2		4		2		1	1	3	3	2	1	1	3	1	1	1																		
July									1		2		2	3	1	1		2	2	2		2		1	1	1	1	5	1		1		1											
August										1	1	2	2	1	1	2	3	2	2	3	1	3	1		2	1	1	1																
September								1		2			2	1	1	2	4	2	1	2	5		1	1	1			1	1															
October									1	1	1	1	1			1	2	1	3	1	2	3		1	6	1	2		1		1			1										
November													2	2		1	2	1	1	2	1	2	3	2	3	2	1	3	1		1													
December														1		4	3	2	2	2			2	2	1	1	1	1	1															
Year							1	2	5	6	6	11	11	14	4	17	24	23	24	19	18	17	19	19	22	19	15	18	14	7	4	2	4	1	2		2			1					

Upper Air Frequency Table XXIX for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges :— [22]

200 mb. Mean height 11,430 metres. I.C.A.N. height 11,784 metres.

MONTH	1074	1077	1080	1083	1086	1089	1092	1095	1098	1101	1104	1107	1110	1113	1116	1119	1122	1125	1128	1131	1134	1137	1140	1143	1146	1149	1152	1155	1158	1161	1164	1167	1170	1173	1176	1179	1182	1185	1188	1191	1194	1197	1200	1203	1206
January																						2	1	2	3	4	6	1	1	1		2	2	1	1	1				2				1	
February																						1			1	1	5	6	2		2	1	4	1	1		1	1				1				
March																	1		1		2	2	3	3			2	2	3	4	1	1	4		2										
April												1			1	1		1	1	2	4	3	1	2	1	2		1	3		2	2					1								
May												2	2	1	1			1	1	4	3		4	1	2	2	1		2	3		1												
June									2	1	1	4	1	1	1	2	2	1	3	4	1		3	1	1																				
July									1		1	1	1	2	3	2		1	2	1	2	2		1			1	3	3	1		1	1											
August											2	3		2	1	2	2	2	2	1	3	4	1		1	2	1	1																
September								1				2	3			4	2	3	1	4	2	2	1			1		1				1												
October												2		1		2	1	2		4	1	4	1	1	2	5	1	1		1		1											
November											1			2		3				1	3	2	2	3	3	2	1	3	3															
December																			1	3	5	2	2		1	2	1		3	1	2												
Year								1	3	1	8	14	6	10	6	16	9	13	17	29	22	25	16	14	18	26	16	23	13	8	9	12	2	4	1	4	1		2	1			1	

Upper Air Frequency Table XXX for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges :— [22]

150 mb. Mean height 13,270 metres. I.C.A.N. height 13,608 metres.

MONTH	1260	1263	1266	1269	1272	1275	1278	1281	1284	1287	1290	1293	1296	1299	1302	1305	1308	1311	1314	1317	1320	1323	1326	1329	1332	1335	1338	1341	1344	1347	1350	1353	1356	1359	1362	1365	1368	1371	1374	1377	1380	1383	1386	1389	1392
January																								1	4	3	1	4	4	1	2	3		1	2		1		1							
February																								1		1	5	2	8		3	3	1		2	1				1					
March																		2					2	4	2		1	5	2	3	2	1	2	1		1									
April													1		1	1			1	1	3	2	3	1	2	2	1		3		1		2												
May										1	1	2	1			1		2	3	3	2		1	3	3	1	2	1			1														
June									1	1	1	4	2	1	2	3	2	5	1	2	1																								
July											1		2		3	2	3	2			2	2		2	3	1			3															
August										1	1	1	2	1	1	1	1	2	2	2	1	3	1	1	1	1																			
September								1			2	1	2	2		3	1	1	1	1				1			1																	
October													1	2		1	1	1	1	2	2	2	2	1	2	4		1		2					1									
November									1					2			1					2	1	3	2	4	1	2	3							1								
December																			1		4	1		1	1		2	2	2														
Year								1	2	3	6	8	11	8	7	12	9	15	10	11	15	12	10	19	20	17	14	17	25	6	9	7	5	3	5	2	1		1	1					

Upper Air Frequency Table XXXI for Stanley, Falkland Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges :— [22]

100 mb. Mean height 15,840 metres. I.C.A.N. height 16,180 metres.

MONTH	1515	1518	1521	1524	1527	1530	1533	1536	1539	1542	1545	1548	1551	1554	1557	1560	1563	1566	1569	1572	1575	1578	1581	1584	1587	1590	1593	1596	1599	1602	1605	1608	1611	1614	1617	1620	1623	1626	1629	1632	1635	1638	1641	1644	1647
January																																													
February																											2	1	3	2	1	3	1	5	1	1	1				1					
March																											1			2	3	3	2	1		1	1			1					
April																		1		1					1			2	2	1	1	3		2					1					
May											1	2	1						2		1		1			3		2	1		2												
June								1			1	2	1	5		1		2	2		2	1	2	3		4			1															
July												1	1			1	1	3		1	1	1	3	2	1																			
August									1							1	2	2		1		1			2																			
September							1		1				1		1	1			1	1	1																							
October																1	1	1	1				1	1	3	1	1	2		1													
November																										1					1													
December																														1														
Year							1	1	2		2	5	4	5	1	5	4	9	8	4	5	3	7	6	7	9	4	5	7	10	6	11	3	8	1	2	2			2	1					

Means and Extremes Table I for Grytviken, South Georgia, 1961.

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	998.1	1014.7	10th	959.4	18th	39.0	38.5	39.1	41.5	44.0	43.6	41.7	40.1	40.9	47.8	36.1	59	14th	31	4, 5, 6, 7, 24
February	996.0	1022.0	22nd	976.6	28th	40.8	39.9	40.3	41.8	44.8	45.5	43.5	41.9	42.3	50.7	37.0	*63*	*7th, 16th*	31	25th
March	992.7	1013.1	20th	959.0	8th	38.0	38.0	38.4	40.6	42.1	42.1	39.9	38.8	39.7	46.4	34.2	58	29th	28	5th, 6th
April	999.4	1021.5	12th	971.9	27th	35.2	34.6	33.9	35.5	38.1	37.3	35.4	35.4	35.7	40.3	32.1	55	3rd	26	16th
May	986.2	1007.8	26th	*951.9*	*30th*	33.9	34.2	33.4	34.3	35.4	35.1	34.2	33.6	34.3	39.4	29.9	51	12th	21	18th
June	991.9	1024.7	20th	955.8	22nd	31.1	31.0	30.9	30.5	30.7	29.8	29.6	30.6	30.5	36.9	25.3	52	26th	*13*	*16th*
July	997.9	*1029.2*	*21st*	967.0	3rd	27.7	27.9	27.6	28.0	28.5	27.7	27.4	27.5	27.8	33.4	22.8	46	13th	14	20th. 21st
August	993.4	1025.3	30th	954.6	10th	26.7	26.6	26.5	27.1	29.2	28.1	27.2	27.4	27.3	33.9	23.1	44	2nd, 3rd	14	18th
September	996.2	1018.6	13th	973.8	15th	28.0	28.1	27.8	29.2	31.3	30.5	29.3	28.8	29.1	35.1	24.0	43	8, 10, 17	*13*	*23th, 24th*
October	997.9	1026.9	17th	967.0	26th	35.8	36.5	36.3	37.3	39.0	39.2	37.3	36.4	37.2	43.8	31.3	54	30th	20	2nd
November	990.0	1011.8	8th	965.8	6th	35.9	36.6	37.2	39.3	40.7	39.8	38.5	36.4	38.1	44.4	31.9	58	1st	24	7th
December	990.7	1011.3	6th	968.0	4th	39.2	38.7	39.5	41.7	42.5	41.9	40.1	39.2	40.3	46.4	35.0	57	2nd, 16th	30	6th
Total	11930.4	12226.9	—	11570.8	—	411.3	410.6	410.9	426.8	446.3	440.6	424.1	416.1	423.2	498.5	362.7	640	—	265	—
Mean	994.2	1018.9	—	964.2	—	34.3	34.2	34.2	35.6	37.2	36.7	35.3	34.7	35.3	41.5	30.2	53.3	—	22.1	—

Means and Extremes Table II for Grytviken, South Georgia, 1961.

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	82	82	82	76	69	74	76	78	77	5.6	6.0	6.6	6.3	6.3	5.9	5.2	5.7	5.9	5.3	Not recorded	16.5	198.5	65.8	24th
February	75	79	78	73	67	65	69	72	72	5.0	5.7	6.5	6.3	5.5	5.6	6.2	5.5	5.8	5.5		14.7	59.0	35.4	23rd
March	77	77	74	68	67	66	73	76	72	4.7	4.8	5.8	5.6	5.7	6.5	5.8	5.0	5.5	4.6		12.6	150.3	32.1	7th
April	84	84	84	81	79	80	85	85	83	5.5	5.0	5.6	5.8	6.2	6.6	6.9	6.8	6.1	1.8		10.4	192.4	59.7	26th
May	76	74	74	73	71	71	75	78	74	6.1	5.7	6.1	6.0	5.9	6.3	5.4	6.1	5.9	0.6		8.4	278.0	56.3	8th
June	73	74	73	74	73	76	78	75	75	4.8	4.8	5.4	6.5	6.3	6.0	5.4	5.0	5.5	0.0		7.4	259.0	*139.6*	*21st*
July	74	75	76	74	73	72	73	73	74	4.4	4.5	4.8	5.5	5.2	5.5	3.5	4.6	4.7	0.6		7.9	80.6	29.7	26th
August	70	72	73	74	68	69	71	69	71	4.3	4.4	5.2	5.7	4.8	5.1	4.4	3.6	4.7	2.3		9.5	25.4	10.2	25th
September	75	75	73	71	66	72	73	74	72	4.9	4.2	4.7	5.2	5.9	6.0	5.7	5.1	5.2	3.2		11.6	90.1	40.1	14th
October	69	68	70	68	63	62	69	68	67	4.1	5.2	5.6	5.8	5.2	4.7	5.2	4.7	5.1	6.5		13.8	120.5	33.6	25th
November	70	68	69	62	60	63	63	67	65	4.3	6.0	5.7	5.7	6.0	5.7	5.7	5.2	5.5	6.5		15.8	40.2	12.4	12th
December	72	72	70	64	64	65	70	75	69	5.5	6.5	6.2	6.5	6.5	6.5	6.2	6.1	6.3	5.3		17.0	122.5	36.1	3rd
Total	897	900	896	858	820	835	875	890	871	59.2	62.8	68.2	70.9	69.5	70.4	65.6	63.4	66.2	42.2		145.6	1616.5	551.0	
Mean	75	75	75	71	68	70	73	74	73	4.9	5.2	5.7	5.9	5.8	5.9	5.5	5.3	5.5	3.5		12.1	134.7	45.9	

Frequency Table I for Grytviken, South Georgia, 1961.

MONTH	M.S.L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																			
	940.0 to 944.9	*945.0 to 949.9*	*950.0 to 954.9*	*955.0 to 959.9*	*960.0 to 964.9*	*965.0 to 969.9*	*970.0 to 974.9*	*975.0 to 979.9*	*980.0 to 984.9*	*985.0 to 989.9*	*990.0 to 994.9*	*995.0 to 999.9*	*1000.0 to 1004.9*	*1005.0 to 1009.9*	*1010.0 to 1014.9*	*1015.0 to 1019.9*	*1020.0 to 1024.9*	*1025.0 to 1029.9*	*1030.0 to 1034.9*	*1035.0 to 1039.9*	*1040.0 to 1044.9*
January				1	8	3	8	7	6	14	20	38	73	38	32						
February								13	26	32	43	32	30	27	6	8	7				
March				1	2	6	10	11	19	35	53	49	31	18	13						
April							12	19	16	13	15	28	49	30	35	17	6				
May			2	3	4	15	23	30	44	24	21	28	35	19							
June				5	9	7	13	18	20	32	20	42	35	21	2	5	11				
July						5	12	10	48	16	21	10	35	34	16	21	5	15			
August			1	4	5	10	22	19	11	11	41	44	18	16	20	19	6	1			
September							4	25	31	30	23	27	28	17	44	11					
October						13	11	15	8	19	17	51	36	20	29	13	11	5			
November						14	12	31	24	31	34	49	26	14	5						
December						3	3	21	34	54	54	46	13	18	2						
Year			3	14	28	76	130	219	287	311	362	444	409	272	204	94	46	21			

Frequency Table II for Grytviken, South Georgia, 1961.

MONTH	TEMPERATURE: Number of observations at all hours, in 2°F ranges :— 1 & 4																																																	
	Negative Ranges													Positive Ranges																																				
	25	23	21	19	17	15	13	11	9	7	5	3	1	1	3	5	7	9	11	13	15	17	19	21	23	25	27	20	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75
January																													3	18	25	30	31	34	32	25	16	13	8	7	5	1									
February																														3	5	30	56	31	24	22	15	13	8	6	4	1	2	2	2						
March																												5	11	23	22	36	32	30	23	26	16	8	5	7	3	1									
April																											1	9	7	56	58	39	37	17	12	2		1			1										
May																									2	4	5	29	31	38	49	38	24	11	8	5	3	1													
June																					3	5	7	6	5	19	22	16	35	52	29	17	14	3	4	1	1	1													
July																					3	8	14	29	18	21	25	26	32	31	11	11	9	7	1	2															
August																						5	9	19	30	28	31	39	41	22	15	2	2	3	2																
September																					4	3	16	16	12	13	18	20	41	46	23	15	5	5	3																
October																								1	1		3	11	23	31	32	31	31	30	19	18	5	7	4	1											
November																											9	11	15	27	25	28	34	27	15	18	14	8	3	3	3										
December																													2	7	38	30	45	37	29	22	12	12	5	7	2										
Year																					10	21	46	71	68	85	114	166	241	354	332	307	320	235	172	141	82	64	33	31	18	3	2	2	2						
DAILY EXTREMES.																																																		
Maximum																								1	1	5	7	10	9	17	31	34	38	32	42	25	35	19	14	16	15	4	6	1	3						
Minimum																				3	7	9	12	15	6	26	28	40	50	56	32	34	26	13	6	1		1													

Frequency Table III for Grytviken, South Georgia, 1961.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 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				1	1	6	9	2	10	13	16	24	18	24	22	21	29	40	12
February			2		8	3	6	8	9	17	14	19	22	24	22	35	25	8	2
March				1		5	7	10	27	19	19	17	19	22	26	25	25	25	1
April							1	6	1	8	5	20	13	38	35	28	30	47	8
May						1	2	10	23	23	28	20	23	13	20	34	25	20	6
June				1		2	8	6	10	12	30	18	35	22	25	27	20	15	9
July					2	4	3	5	9	20	26	26	36	22	26	28	25	15	1
August				1	1	1	8	12	14	20	31	21	27	41	23	27	14	7	
September				3	3	2	5	12	10	24	26	18	18	28	18	25	21	27	
October	1			1	7	7	13	20	17	25	35	22	19	15	12	12	18	20	4
November	1		1	4	4	6	11	14	40	14	28	17	23	17	19	12	12	14	3
December			2	2	4	5	9	13	20	24	24	24	21	20	18	22	17	20	3
Total	2		5	14	30	42	82	118	190	219	282	246	274	286	266	296	261	258	49
Mean	-		-	1	3	3	7	10	16	18	23	21	23	24	22	25	22	21	4

Frequency Table IV for Grytviken, South Georgia, 1961.

Number of observations, at all hours, of:-

MONTH	VISIBILITY[6]										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS[7] (metres)																No Cloud
																	All Amounts									7-8 Oktas								
	< 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	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	9	5	42	44	58	88	14	56	36	59	80	3	3	2	6	39	50	117	17	8	6	3		3	14	21	33	1	3		
February					1	5	18	59	61	80	18	70	33	53	50				1	11	69	116	9	15					4	21	28		2		3
March				3	6	2	35	40	57	105	22	87	41	50	43	5	5		3	3	33	165	17	10	6	5				13	36	3	2	1	6
April			1	4	7	1	40	55	55	77	18	57	28	36	100	1	1		1	14	55	132	19	8	3	1			8	30	53	6	1	1	7
May		1	3	2	17	19	53	42	47	64	26	57	32	53	61	19	19				41	142	20	14	7	19				25	55	4	6	1	5
June		1	6	14	12	14	38	46	35	74	50	54	25	34	39	38	38				32	107	13	22	15	38				22	41	1	10	4	13
July				6	5	11	28	54	34	110	47	84	24	48	28	17	17	1		3	17	149	14	26	4	17				9	45	3	4	1	17
August			1	3	6	10	35	48	33	112	55	71	24	46	41	11	11			2	31	136	13	30	9	11			1	13	44	3	1	2	16
September				8	9	12	43	34	47	87	36	62	34	45	45	18	18		1	6	34	142	3	20	4	18		1	4	19	41			1	12
October		1	1	4	6	7	39	33	44	113	24	74	48	53	41	8	8			9	28	170	9	6	7	8		5	17	39		1		11
November		1	1	3	3	6	25	39	83	79	20	76	47	64	29	4	4		3	10	17	182	4	13	4	4		2	4	8	40	1	4	2	3
December		1	1	3	1	2	25	57	61	97	7	48	55	75	58	5	5			13	33	188	2	6	1	5			4	11	53	1	1	1	
Total		5	15	51	82	94	421	551	615	1086	337	796	427	616	615	129	129	3	15	110	440	1746	140	178	66	129	0	6	44	209	508	23	35	14	93
Mean		-	1	4	7	8	35	46	51	91	28	66	36	51	51	11	11	-	1	9	37	145	12	15	5	11	-	1	4	17	42	2	3	1	8

Frequency Table V for Grytviken, South Georgia, 1961.

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
	>41°F	<23°F	<14°F	>59°F																					
January	2				19	15	6	7		20	9	5	8		16		3			15	1		1	1	
February	3			4	21	15	1	5		24	6	4	7	1	12	1	2			12			1	2	
March	2				23	14	5	9		19	12	8	11		13	3	9			16		2	1	3	
April					19	15	6	1		13	11	4	7		19		11			9	3	1	2	2	3
May					28	23	10	10	1	20	23	2	2		17		30		8	20		6	2	4	1
June			1		24	18	4	9	1	14	25	4	3		17	2	30		12	19		8	4		
July		1			15	9	2	9		4	20	2			12	1	31		11	17	1	1	1		1
August					13	4	1	8		2	20	3	2		11	2	31		17	11		3	1	1	2
September			2		16	10	2	9		2	25	2	4		13	1	30		15	12	2	3		3	4
October					16	7	4	12	1	21	14	5	6		8		29		7	22	3		4	4	
November					18	7	1	8	1	15	15	7	1		9		10		3	22	2	3		4	1
December	1				23	18	3	4		20	12	8	1		14		7			24	3			1	
Total	8	1	3	4	235	155	45	91	4	174	192	54	52	1	161	10	223		73	199	15	27	17	25	12
Mean	1	–	–	–	20	13	4	8	–	15	16	5	4	–	13	1	19		6	17	1	2	1	2	1

Frequency Table VI for Grytviken, South Georgia, 1961.

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	8.7		19	72	96	61	37	6	3	26	28	20	4	1	5	7	14	36
February	8.8		8	66	117	33	31	13	5	21	20	8	2	2	2	10	19	58
March	8.4		14	74	91	69	14	5	7	23	5	7	3	2	7	19	30	57
April	4.8		2	48	76	114	7	10	3	15	20	15	4	1	2	3	6	40
May	9.8	1	17	103	56	71	17	3	1	7	6	8	2	1	3	20	33	76
June	9.4	4	13	88	76	59	20	12	5	12	7	9	2	2	7	34	21	50
July	7.5		14	69	88	77	15	6	4	12	11	5	3	7	9	34	20	45
August	7.1		15	66	78	89	21	6	1	4	13	9	2		2	34	30	37
September	7.7		15	76	60	89	16	11		5	13	5		4	6	31	30	30
October	11.8	1	25	126	43	53	21	4	3	8	4	5	1		1	20	40	88
November	11.6	1	20	117	77	25	26	4	6	15	10	4	6	2	4	35	41	62
December	10.2		8	112	103	25	31	8	5	9	11	6	4	4	6	16	35	88
Total	105.8	7	170	1017	961	765	256	88	43	157	148	101	33	26	54	263	319	667
Mean	8.8	1	14	85	80	64	21	7	4	13	12	8	3	2	5	22	27	56

Frequency Tables VII to X for Grytviken, South Georgia, 1961.

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	6			5	5	5	1						22
2	1	1	1	7	3	1	2		2	1	2	2	23
3	17	3	2	13	6	3	1			1	1	4	51
4	8	1			9	4		1	1	3	1	14	42
5	3	1		1	2	5			1		8	9	30
6	2				3	2			1	2	1	7	18
7											1		1
>= 8													
Totals	37	6	3	26	28	20	4	1	5	7	14	36	187

Calms - 61

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	5	2		1			2	2	16
2	3	5	2	10	6	1	2				1	5	35
3	18	6	2	9	3	3			2	2		21	66
4	8	1		1	4			1		4	4	20	43
5	1				2	2				2	8	8	23
6										2	3	2	7
7											1		1
>= 8													
Totals	31	13	5	21	20	8	2	2	2	10	19	58	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	1	3	4	1			2	1	1	1	2	17
2		1	3	7	3	2	1		2	3	1	2	25
3	8	3	1	11	1	3	2		1	3	3	13	49
4	5			1		1			2	4	11	25	49
5						1			1	1	9	13	25
6										5	3	2	10
7										2	2		4
>= 8													
Totals	14	5	7	23	5	7	3	2	7	19	30	57	179

Calms - 69

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	7	1	2	2		1	2	1	4	24
2	1	2		3	1	5	2				1	1	16
3	5	4	2	4	4	4		1			2	10	36
4	1	1		1	11	3			1	1	2	19	40
5					3	1						4	8
6												2	2
7													
>= 8													
Totals	7	10	3	15	20	15	4	1	2	3	6	40	126

Calms - 114

Frequency Tables XI to XIV for Grytviken, South Georgia, 1961.

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				2		2				1	1	2	8
2	2	2	1	1	1	3				2	1		13
3	3	1		4	3	3	2		1	2	7	9	35
4	7				2			1	2	10	11	34	67
5	5									2	6	23	36
6										1	4	7	12
7										1	3	1	5
>= 8										1			1
Totals	17	3	1	7	6	8	2	1	3	20	33	76	177

CALMS - 71

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	3	1	1	2		1	9	2		23
2	1	3		2	2	1				2	2	1	14
3	7	5	3	5		2			2	2	5	8	39
4	8	1		2	1	2		1	2	12	6	27	62
5	2				2	3		1		5	2	11	26
6	2	1							1	1	3	3	11
7					1						1		2
>= 8									1	3			4
Totals	20	12	5	12	7	9	2	2	7	34	21	50	181

CALMS - 59

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	2	2	1	1	1	1	17	3	2	35
2	1	1	2	1	2		1	3		2	2	2	17
3	5	2		7	3	2	1		3	1	2	10	36
4	5		1	2	2	2			3	7	8	19	49
5	3				1			3	1	5	1	6	20
6					1					2	4	5	12
7									1			1	2
>= 8													
Totals	15	6	4	12	11	5	3	7	9	34	20	45	171

CALMS - 77

TABLE XIV — AUGUST.

BEAUFORT FORCE	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	ALL DIR.
1	5	3		1		1	1			16	3	2	32
2	4	1		1	2		1			2	1	4	16
3	7	2	1	2	4	2				2	3	7	30
4	5				6	4				7	11	12	45
5					1	1			1	4	6	8	21
6						1			1	3	5	4	14
7											1		1
>= 8													
Totals	21	6	1	4	13	9	2		2	34	30	37	159

CALMS - 89

Frequency Tables XV to XVIII for Grytviken, South Georgia, 1961.

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	2				1	1			1	13	3	2	23
2		3		2		1		1	1		1		9
3	6	7		3	3			1		2	1	5	28
4	6	1			8	3			2	8	10	15	53
5	2				1			2	1	5	10	2	23
6										1	4	6	11
7									1	2	1		4
≥ 8													
Totals	16	11		5	13	5		4	6	31	30	30	151

CALMS – 89

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		4	1			1			9
2		1	1	2	1					1		1	7
3	7	2	2	4	3	1				2	1	5	27
4	10	1								4	14	44	73
5	3									6	16	28	53
6										3	6	9	18
7									1	2	3	1	7
≥ 8										1			1
Totals	21	4	3	8	4	5	1		1	20	40	88	195

CALMS – 53

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		2	5	5	1	3			2	3	1	23
2	3			3	4	1	2			2			15
3	6	2	2	4		2		1	1	5	8	8	39
4	9	2	2	3	1		1	1	3	12	14	31	79
5	3									9	9	17	38
6	4									3	6	4	17
7										2	1		3
≥ 8												1	1
Totals	26	4	6	15	10	4	6	2	4	35	41	62	215

CALMS – 25

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	3		3	5	3	2	1	1	1	1	1	24
2	9	1	3		2	3	1				2	11	32
3	8	3	2	4	1			1			1	3	24	47
4	11	1			2			2	2	10	16	30	74
5				2	1		1		1	3	12	18	38
6									2	1	1	4	8
7													
≥ 8													
Totals	31	8	5	9	11	6	4	4	6	16	35	88	223

CALMS – 25

Frequency Table XIX for Grytviken, South Georgia, 1961.

Beaufort Force	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												
	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 Directions
1	21	16	10	35	26	23	13	5	6	63	20	18	256
2	25	21	13	39	27	18	12	4	5	15	14	29	222
3	97	40	17	70	31	25	6	4	10	23	36	124	483
4	83	9	3	10	46	19	1	7	18	82	108	200	676
5	22	1		3	13	13	1	6	6	42	87	147	341
6	8	1			4	3			5	24	40	55	140
7					1				3	9	14	3	30
=> 8									1	5		1	7
Totals	256	88	43	157	148	101	33	26	54	263	319	667	2155

CALMS 765.

Frequency Table XX for Grytviken, South Georgia, 1961.

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	6	6	2				1				1	16	4	4		1						25		1	3	1							1			
February	5	2		1	1	1	2	1				13	3	5		1		2		2	1	27						1								
March	5	3	1	2	3	1	1		1			17	4	1	1			1	1	1		26	2		1		2									
April	8	3	1	1	1		1					15	1	2	1	1	1	3				24	3	1			1				1					
May	3			2			1		1		1	8	2	2	2	3	2				2	21	4	3		1	1				1					
June	5	1	1	4		1						12	2	2	3	1		4	1		1	26	1	1	1											1
July	14	2	2		1	1				1	1	22	2		1		1		2		1	29	1			1										
August	14	4	3		2	1	2	1				27		1		2						30	1													
September	10	4	1	4						1		20	1	4	1			1			1	28		1				1								
October	7	8	4	2	3							24	1	1				1				27		1		1	2									
November	5	7	3	2	2	1		1		2		23	2	1			1	2				29	1													
December	2	6	1		1	1	1				1	13	5	4	1	1	1		2	1		28	1		1			1								
Year	84	46	19	18	14	7	9	3	2	4	4	210	27	27	10	10	6	14	6	4	6	320	14	8	6	4	6	2	1			2		1			1

Means and Extremes Table I for Signy Island, South Orkneys, 1961.

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	0000	0300	0600	0900	1200	1500	1800	2100		Max.	Min.	Max.	Date	Min.	Date
January	993.3	1011.7	5th	967.4	15th	34.7	34.0	35.0	33.9	36.5	36.8	36.0	35.0	35.2	39.5	32.3	55	10th	27	1st
February	993.5	1013.9	22nd	972.2	6th	32.9	32.7	32.6	33.1	34.5	35.2	34.0	33.1	33.5	37.5	30.3	49	15th	25	11th
March	986.9	1007.5	17th	965.7	11th	31.2	30.7	30.6	31.4	32.2	32.9	32.0	31.9	31.6	35.4	28.4	44	20th	20	4th
April	996.1	1020.0	19th	967.1	27th	28.2	27.8	28.1	28.5	29.1	29.5	29.3	28.4	28.6	32.4	24.9	40	23rd	11	18th
May	983.3	1009.0	16th	945.6	19th	23.5	23.7	23.4	23.2	23.8	23.5	23.2	23.3	23.5	27.7	18.9	36	8th	3	16th
June	992.4	1019.7	11th	964.8	29th	14.6	15.0	14.1	14.0	14.9	15.2	14.6	13.8	14.5	21.0	8.4	45	17th	−13	14th
July	997.7	1030.7	30th	960.1	4th	12.0	11.7	11.3	11.4	12.1	11.2	11.5	12.1	11.7	19.2	3.6	35	11th	−25	18th
August	995.0	1022.9	29th, 30th	953.4	10th	8.9	7.8	7.5	7.6	8.8	9.4	9.1	8.4	8.4	17.0	0.9	36	15th	−11	17th
September	993.5	1018.7	2nd	967.1	19th	15.3	14.9	16.1	17.6	19.6	19.9	17.6	16.4	17.2	25.7	7.0	39	11th, 25th	−19	3rd, 7th
October	983.6	1009.9	16th	951.6	27th	27.6	27.0	27.5	28.3	29.4	29.6	29.2	29.0	28.5	34.5	23.5	43	31st	−10	2nd
November	981.7	1002.4	16th	944.7	5th	28.4	28.3	29.0	28.9	29.5	30.0	29.2	28.7	29.0	32.7	25.6	46	19th	15	12th
December	984.0	1005.2	3rd	955.2	24th	30.8	30.3	30.8	31.8	32.8	33.0	32.4	31.5	31.7	35.2	28.8	43	10th	25	2nd
Total	11881.0	12171.6	—	11514.9	—	288.1	283.9	286.0	289.7	303.2	306.2	298.1	291.6	293.4	357.8	232.6	511	—	48	—
Mean	990.1	1014.3	—	959.6	—	24.0	23.7	23.8	24.1	25.3	25.5	24.8	24.3	24.5	29.8	19.4	42.6	—	4.0	—

Means and Extremes Table II for Signy Island, South Orkneys, 1961.

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	86	86	85	85	86	85	86	86	7.1	7.1	6.9	6.9	7.0	7.0	7.1	7.3	7.1	3.1	Not recorded	18.1	Not recorded	Not recorded	Not recorded
February	89	88	88	86	84	83	85	86	86	6.6	6.9	7.2	7.1	7.0	6.7	6.6	7.0	6.9	2.8		15.5			
March	87	87	88	87	87	85	86	87	87	7.5	7.7	7.5	7.5	7.3	7.4	7.6	7.2	7.5	1.3		12.7			
April	86	85	85	85	84	84	85	87	85	6.8	7.1	7.6	7.3	7.4	7.6	7.6	7.2	7.3	0.6		9.8			
May	82	83	82	84	82	84	85	84	83	7.0	7.2	6.7	7.6	7.5	7.3	7.0	6.6	7.1	0.1		7.2			
June	86	86	87	87	86	86	87	87	87	5.0	5.2	5.8	6.3	7.1	6.9	5.5	5.1	5.9	0.3		5.7			
July	88	88	88	89	89	89	88	89	89	6.2	6.2	5.7	7.0	6.6	6.9	6.3	5.8	6.3	0.7		6.4			
August	90	89	89	89	89	87	87	89	89	4.6	5.3	5.6	6.2	6.0	6.2	5.7	5.3	5.6	2.1		8.8			
September	89	90	90	89	86	86	88	88	88	6.0	6.2	6.8	6.7	6.6	6.0	6.5	5.6	6.3	2.5		11.5			
October	89	88	88	87	85	86	87	89	87	6.8	7.1	7.4	7.1	6.9	7.0	7.2	7.6	7.1	2.6		14.4			
November	85	87	83	86	85	83	84	85	85	7.4	7.8	7.4	7.8	7.6	7.3	7.5	7.6	7.5	1.4		17.2			
December	89	89	89	85	85	86	86	87	87	7.2	7.0	7.3	7.2	6.7	7.3	6.8	7.1	7.1	2.7		18.9			
Total	1047	1046	1043	1039	1027	1025	1033	1044	1039	78.2	80.8	81.9	84.7	83.7	83.6	81.4	79.4	81.7	20.2		146.2			
Mean	87	87	87	87	86	85	86	87	87	6.5	6.7	6.8	7.1	7.0	7.0	6.8	6.6	6.8	1.7		12.2			

Frequency Table I for Signy Island, South Orkneys, 1961.

MONTH	M.S.L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																			
	935.0 to 939.9	*940.0 to 944.9*	*945.0 to 949.9*	*950.0 to 954.9*	*955.0 to 959.9*	*960.0 to 964.9*	*965.0 to 969.9*	*970.0 to 974.9*	*975.0 to 979.9*	*980.0 to 984.9*	*985.0 to 989.9*	*990.0 to 994.9*	*995.0 to 999.9*	*1000.0 to 1004.9*	*1005.0 to 1009.9*	*1010.0 to 1014.9*	*1015.0 to 1019.9*	*1020.0 to 1024.9*	*1025.0 to 1029.9*	*1030.0 to 1034.9*	*1035.0 to 1039.9*
January							8	16	18	31	22	31	32	36	31	23					
February								6	14	23	46	21	51	38	15	10					
March							19	29	20	35	43	32	42	21	7						
April							5	13	11	12	21	29	41	65	14	20	8	1			
May			3	6	4	20	25	10	20	31	44	33	25	12	15						
June						1	6	5	21	37	37	29	32	39	20	6	7				
July						4	7	7	13	25	23	17	25	48	31	19	19	4	4	2	
August				2	2	3	11	13	20	29	10	20	23	32	37	23	15	8			
September							14	9	17	55	17	13	12	32	31	33	7				
October				8	5	15	13	23	37	32	27	25	36	11	16						
November		1	2	2	2	4	16	29	51	39	40	23	22	9							
December					4	8	16	12	46	48	50	32	6	24	2						
Year		1	5	18	17	55	140	172	288	397	380	305	347	367	219	134	56	13	4	2	

Frequency Table II for Signy Island, South Orkneys, 1961.

TEMPERATURE: Number of observations at all hours, in 2°F ranges :— 1 & 4

MONTH	Negative Ranges															Positive Ranges																																			
	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71
January																													1	5	24	49	59	45	30	21	8	1	2	1	2										
February																													4	12	40	80	42	22	12	1	7	1	2	1											
March																										1	8	16	21	25	28	70	37	22	14	5	1														
April																						4	4	2	3	19	15	21	25	39	24	28	27	21	8																
May																	2		3	2	5	8	12	17	23	20	20	23	39	14	36	19	5																		
June									2	6	6	5	7	22	12	11	5	7	9	5	6	11	10	5	10	10	7	5	8	17	13	18	10	9	3		1														
July			1	4	3	3	2	1	1	10	10	13	11	13	10	9	10	5	4	6	8	1	4	6	5	9	5	10	12	23	22	27																			
August										2	4	4	16	24	14	22	18	17	17	9	22	16	6	6	6	3	1	7	7	7	11	4	5																		
September							2	1	2	8	6	6	4	3	3	4	4	6	9	10	11	7	11	9	7	12	22	9	13	10	23	23	12	1	2																
October											3	4	2	1		1			1	1			2	4	6	9	11	17	12	31	28	44	35	27	7	2															
November																								4	6	5	24	17	13	58	54	28	13	4	8	2	3		1												
December																												2	11	43	81	52	36	13	3	5	2														
Year			1	4	3	3	4	2	5	26	29	32	40	63	39	47	39	35	43	33	52	47	49	53	66	88	113	127	166	284	384	442	281	164	87	36	22	2	5	2	2										
DAILY EXTREMES																																																			
Maximum											1		1	4	4	2	6	3	5	3	7	7	6	4	6	6	7	6	24	28	35	45	40	48	28	16	9	9	2	1	1		1								
Minimum			1	1		2	2	4	3	5	14	9	8	5	3	5	4	5	6	3	7	9	8	11	12	19	18	19	37	54	48	28	11	4																	

Frequency Table III for Signy Island, South Orkneys, 1961.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 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	4	9	21	31	22	45	41	69	
February										2	4	1	20	21	36	45	56	37	2
March											1	3	15	22	40	61	85	20	1
April											1	5	38	23	45	35	58	35	
May										1	5	9	24	31	59	63	44	12	
June					1							4	7	13	45	100	44	26	
July							2		1			1	3	9	45	64	76	47	
August										2	1	1	4	9	43	56	87	45	
September										1	1	2	3	17	33	69	83	31	
October													8	26	47	59	74	32	2
November								1	1		2	10	29	23	38	48	51	37	
December											2	5	20	15	46	47	60	53	
Total					1		2	1	2	12	21	50	192	240	499	692	759	444	5
Mean					-		-	-	-	1	2	4	16	20	42	58	63	37	-

Frequency Table IV for Signy Island, South Orkneys, 1961.

Number of observations, at all hours, of :-

MONTH	VISIBILITY[6]										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS[7] (metres)																No Cloud
																	All Amounts									7–8 Oktas								
	< 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	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		5	20	10	50	38	60	64	7	37	39	34	122	9	11	6	13	54	54	85	18	7		11	5	10	35	34	21	6	1		
February				7	5	5	29	35	84	59	13	26	25	48	107	5	6	6	4	28	46	107	14	8		6	5	4	14	15	45	5	1		5
March			1	5	9	10	29	56	87	51	6	15	29	51	138	9	9	1	3	51	70	105	3	4	2	9	1	2	30	46	42	2			
April		1		5	26	6	32	26	56	88	5	12	29	47	145	2	3		8	45	52	126	1	1	3	2		8	32	38	75				1
May			1	9	13	20	36	44	47	78	11	18	42	36	127	14	14	2	5	48	75	88	5	8	1	14	1	5	39	48	40		1		2
June				1	17	15	26	37	47	97	21	55	38	37	88	1	4	1	6	51	81	70	6	5	1	2		4	31	52	7	1	1	1	15
July				6	21	43	50	35	36	57	30	34	15	30	132	7	10	1	8	78	85	31	5	7	2	7		4	59	53	6	1		2	21
August			3	11	26	21	53	40	25	69	45	37	25	26	104	11	31	5	6	62	78	16	5	12	4	11	2	2	45	44	6		2	2	29
September		2	5	15	17	23	42	24	38	74	30	31	28	41	90	20	25	11	3	43	84	53	1	4	1	21		1	32	49	20	1			25
October		2		9	21	8	35	41	87	45	10	21	37	37	132	11	11	1	1	49	92	80	4	3	2	11	1	1	40	58	27	1	1		5
November			1	7	6	25	35	38	67	61	1	6	25	57	144	7	8	2	10	57	60	95	7	1		8	2	7	34	32	46	1			
December			1	2	8	8	40	30	76	83	16	15	25	48	138	6	8	3	12	59	96	53	1	14		6	2	6	30	24	20				2
Total	—	6	12	82	189	194	457	444	710	826	195	307	357	492	1467	102	140	29	79	625	873	909	70	74	16	108	19	54	421	493	355	18	7	5	105
Mean	–	1	1	7	16	16	38	37	59	69	16	26	30	41	122	9	12	2	7	52	73	76	6	6	1	9	2	5	35	41	30	1	1	–	9

Frequency Table V for Signy Island, South Orkneys, 1961.

MONTH	WEATHER: No. of Days [1]																										
	TEMPERATURE [8]				PRECIPITATION [1]			0 Wind Force ≤ 6	0 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 & 10 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	18			9	Not recorded	Not recorded	Not recorded	18	3	19	12	8	15		21				2	2	6				1
February	6			4				16	3	13	18	5	6		19				2	6		5			1
March	6			3				21	2	20	24	8	9		26				2	5		4			
April	3							12	2	12	20	8	9		27				10		3	1			
May								16	1	2	31	6	12		22				27	4		11			1
June	1	6	9	1				14	7	4	25	10	8		13				16		1	3			
July		8	13					12	2		30	9	12		18	2			23			4			
August		4	14					7			27	4	7		15	1			22		2	6			
September		1	9					12	3	1	28	7	10		21	1			25	2	6	8			
October	2		2	1				25	12	8	24	14	16		24				19	4		7			1
November				2				13	1	5	29	8	17		27				16	9	4	5			
December	3			3				9	3	4	23	6	11		24	1			6	8	2	1			
Total	39	19	47	23				175	39	88	291	93	132	0	257	5			170	40	24	55	0	0	4
Mean	3	2	4	2				15	3	7	24	8	11	–	21	–			14	3	2	5	–	–	–

Frequency Table VI for Signy Island, South Orkneys, 1961.

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	14.6	9	38	121	60	20	14	19	8	9	49	7	6	1	3	50	56	6
February	13.6	6	43	83	58	34	5	12	5	5	45	8	2	2	18	49	31	8
March	14.9	3	49	115	72	9	13	14	9	8	24	2	5	16	37	39	60	12
April	11.7	4	38	74	88	36	15	11	4	6	50	10	9	5	26	20	37	11
May	13.7	4	40	110	70	24	11	24	4	5	42	5	3	12	26	50	31	11
June	11.4	14	31	67	61	67	10	4		6	39	8	8	4	22	22	36	14
July	11.8	5	49	68	68	58	1	3	2	3	21	5	4	6	19	62	50	14
August	8.8		18	71	95	64	2		1	1	22	9	10	10	24	55	43	7
September	9.8	3	29	65	78	65	1	9	3	6	20	1	8	7	19	47	47	7
October	21.1	23	106	77	34	8	1	2	2		2	9	3	4	18	69	128	2
November	14.6	1	43	126	59	11	4	4	3	6	26	6	1	8	40	68	58	5
December	12.0	3	32	107	72	34	3	7	2	6	22	7	7	10	35	57	48	10
Total	158.0	75	516	1084	815	430	80	109	43	61	362	77	66	85	287	588	625	107
Mean	13.2	6	43	90	68	36	7	9	4	5	30	6	5	7	24	49	52	9

Frequency Tables VII to X for Signy Island, South Orkneys, 1961.

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	4	3		1		1				10
2	2	1		2	7	1	3			3	1	1	21
3	2	2		3	7	2	1	1	2	5	4		29
4	2	4	4		12	4	1			23	20		70
5	2	5	2		14					15	12	1	51
6	4	2			6					4	12	3	31
7	1	2	1								3		7
>= 8	1	3									4	1	9
Totals	14	19	8	9	49	7	6	1	3	50	56	6	228

CALMS - 20

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	2	2	1	1		2		1		12
2	1		1	1	1	4		1	2	2	2	1	16
3	2		2	2	7	1	1		4	6	5		30
4		6			10	2		1	6	17	6	1	49
5	1				9				4	14	6		34
6	1	1			8					9	6	4	29
7		3	1		5						3	2	14
>= 8					3					1	2		6
Totals	5	12	5	5	45	8	2	2	18	49	31	8	190

CALMS - 34

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	3				7
2	1	1		1	4	2		4	3	2		1	19
3	2	3	3	4	9		2	6	10	4	2	1	46
4	4	3	2	2	8		1	5	13	14	12	4	68
5	1	3	2		2		1		5	10	19	4	47
6	5	4	1						1	7	17		35
7			1							2	9	2	14
>= 8									2		1		3
Totals	13	14	9	8	24	2	5	16	37	39	60	12	239

CALMS - 9

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	1	1		3	1	2	3	13
2	3	1	1	3	5	5	4	4	10	1	2	2	41
3	2	2	1	3	7	2	4	1	5	4	3		34
4	5	4			9	2			6	9	6	3	44
5	3	2	2		9				1	2	9	2	30
6	2	1			9				1	2	11	1	27
7		1			5					1	4		11
>= 8					4								4
Totals	15	11	4	6	50	10	9	5	26	20	37	11	204

CALMS - 36

Frequency Tables XI to XIV for Signy Island, South Orkneys, 1961.

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	3		3	3	3			15
2	1		1	1	5				1	4		1	14
3	1	5	2	2	5	1	2	5	7	5	5	1	41
4	3	11		1	11		1	4	11	11	11	3	67
5	4	5		1	5	1			4	17	4	2	43
6	1	2			7					10	5	2	27
7		1			4						6	2	13
≥ 8					4								4
Totals	11	24	4	5	42	5	3	12	26	50	31	11	224

Calms - 24

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				5	4	4	1	4	2	2		23
2		1		1	2		3		2	3	2		14
3				2	3	3	1	1	5	6	1	2	24
4	4	3		3	12	1		2	6	5	1	3	40
5	1				7				3	6	8	2	27
6					5				2		12	1	20
7	2				1						6	2	11
≥ 8	2				4						4	4	14
Totals	10	4		6	39	8	8	4	22	22	36	14	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			1	2	2				2	3	1		11
2	1	1	1		4	1	2	1	2	3	5		21
3		1			4		1	3	7	14	5	1	36
4		1		1	6	4	1	2	5	18	7	2	47
5					5				2	9	3	2	21
6									1	10	15	5	31
7										3	11	4	18
≥ 8										2	3		5
Totals	1	3	2	3	21	5	4	6	19	62	50	14	190

Calms - 58

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		7	1	3	1	1	1	2		19
2					4	4	2	4	5	4	1	1	25
3					7	4	2	2	9	16	11		51
4				1	4		3	1	7	19	10	1	46
5								2	2	12	8	1	25
6										3	6		9
7											5	4	9
≥ 8													
Totals	2		1	1	22	9	10	10	24	55	43	7	184

Calms - 64

Frequency Tables XV to XVIII for Signy Island, South Orkneys, 1961.

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		3	3			2	5	5	2		21
2		1			6		1	1	4	2	2		17
3		1			2	1	6	3	3	10	12	2	40
4	1	3		3	1			1	2	17	13	3	44
5		1	2		1		1		3	8	4	1	21
6		2	1		3				1	5	5	1	18
7					2						9		11
≥ 8					2				1				3
Totals	1	9	3	6	20	1	8	7	19	47	47	7	175

CALMS – 65

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	1		1	1	7
2		1				2	2		1	3			9
3			2		2	2		2	1	5	4		18
4	1	1				2	1	1	2	15	9		32
5									6	17	22		45
6									4	18	43	1	66
7									2	9	29		40
≥ 8									1	2	20		23
Totals	1	2	2		2	9	3	4	18	69	128	2	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		2	1			2		1	7
2		1		1	5				5	1	1		14
3			1		5	1		4	7	9	8	3	38
4	1	2	1	3	8	3		4	20	25	17		84
5	2	1	1	1	2				5	16	14		42
6					3				3	14	11	1	32
7	1				2					1	7		11
≥ 8					1								1
Totals	4	4	3	6	26	6	1	8	40	68	58	5	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	2		1		4	3	1	1	1	2		2	17
2				2		2		1	1	6	1	1	14
3	1		1	2	3	2	2	6	9	6	8	1	41
4		3		1	12		3	2	15	29	14		79
5		2		1	3				6	8	5	3	28
6		1					1		3	4	10	1	20
7										1	9	2	12
≥ 8		1								1	1		3
Totals	3	7	2	6	22	7	7	10	35	57	48	10	214

CALMS – 34

Frequency Table XIX for Signy Island, South Orkneys, 1961.

Beaufort Force	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually												
	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 Directions
1	6	3	6	13	30	18	13	10	26	19	11	7	162
2	9	8	4	12	43	21	17	16	36	34	17	8	225
3	10	14	12	18	61	19	22	34	69	90	68	11	428
4	21	41	7	15	93	18	11	23	93	202	126	20	670
5	14	19	9	3	57	1	2	2	41	134	114	18	414
6	13	13	2		41		1		16	86	153	20	345
7	4	7	3		19				2	17	101	18	171
=> 8	3	4			18				4	6	35	5	75
Totals	80	109	43	61	362	77	66	85	287	588	625	107	2490

CALMS 430.

Means and Extremes Table I for Deception Island, South Shetlands, 1961.

MONTH	M. S. L. PRESSURE (mb.)					AIR TEMPERATURE (°F)													
	[1-2] Daily Mean	Extremes [3]				Mean at [1]								[1-2] Daily Mean	[1] Mean Daily		[1] Extremes			
		High	Date	Low	Date	0200	0500	0800	1100	1400	1700	2000	2300		Max.	Min.	Max.	Date	Min.	Date
January	989.8	1004.2	21st	967.6	11th	34.3	34.8	35.6	37.0	37.2	36.2	35.2	35.4	35.7	39.4	33.3	46	21st, 26th	29	13th
February	992.3	1008.0	23rd	976.3	1st	32.8	33.1	34.0	35.3	35.7	34.7	33.0	32.9	33.9	38.1	30.8	45	13th	26	9th
March	984.1	1008.1	4th	964.5	13th	30.0	30.1	30.5	31.2	31.2	30.6	30.1	30.1	30.5	33.8	27.4	40	17, 19, 27	22	10, 11, 22, 23
April	994.5	1014.4	18th	971.6	1st	26.8	26.3	26.1	26.6	26.8	26.6	26.5	26.2	26.5	30.9	23.1	43	19th	13	30th
May	981.1	1011.9	3rd	936.9	18th	21.8	21.1	21.4	21.8	21.8	21.4	21.4	21.1	21.5	25.5	17.9	36	6th	8	31st
June	988.4	1024.0	10th	960.8	28th	14.8	14.6	15.1	15.5	16.5	16.5	15.6	14.3	15.4	22.6	8.5	39	23rd	−9	6th
July	998.7	1027.9	30th	967.8	25th	16.8	16.9	17.5	17.8	18.1	18.3	18.5	18.3	17.8	23.6	11.4	36	10th	−11	4th
August	996.5	1020.7	30th	958.7	9th	15.4	16.5	16.2	17.0	16.6	15.3	14.9	15.2	15.9	22.4	7.8	39	1st	−7	7th
September	992.2	1019.6	2nd	967.9	18th	23.5	24.1	23.5	24.7	25.3	24.5	23.9	23.8	24.2	28.4	18.6	38	11th	3	2nd
October	978.5	1007.7	15th	953.9	24th	26.0	26.6	29.8	28.4	28.7	28.4	27.2	26.8	27.7	32.1	20.1	39	16th, 17th	8	1st
November	982.2	1001.6	7th	955.6	4th	28.1	28.3	29.3	30.0	30.1	29.2	28.6	28.3	29.0	32.3	25.3	40	16th	14	6th
December	983.1	999.0	8th	962.6	24th	32.0	32.3	32.8	33.8	34.3	33.8	32.9	31.9	33.0	36.1	30.4	41	5th, 15th	25	1st
Total	11861.4	12147.1	—	11544.2	—	302.3	304.7	311.8	319.1	322.3	315.5	307.8	304.3	311.1	365.2	254.6	482	—	121	—
Mean	988.5	1012.3	—	962.0	—	25.2	25.4	26.0	26.6	26.9	26.3	25.7	25.4	25.9	30.4	21.2	40.2	—	10.1	—

Means and Extremes Table II for Deception Island, South Shetlands, 1961.

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	90	89	86	84	83	84	87	88	86	7.1	7.3	7.5	7.2	7.3	7.6	7.6	7.5	7.4	1.9		18.9			
February	84	85	86	85	82	81	86	88	85	6.6	6.7	6.5	6.7	7.0	6.5	6.7	6.6	6.7	3.3		15.9			
March	87	85	85	83	84	86	88	89	86	7.5	7.3	6.9	6.7	7.0	7.4	7.5	7.4	7.2	1.4		12.7			
April	85	86	87	87	86	86	87	84	86	7.0	6.8	7.4	7.2	7.2	7.3	7.1	7.0	7.1	0.3		9.6			
May	85	85	84	83	84	85	84	85	84	6.8	6.8	7.2	6.9	7.1	6.9	6.7	6.8	6.9	0.2		6.7			
June	87	83	85	85	84	85	84	84	85	6.4	6.6	7.1	7.3	7.2	6.7	7.1	7.0	6.9	0.0		4.9			
July	89	88	87	87	87	88	88	87	88	6.0	5.8	6.6	6.8	6.7	5.9	5.8	6.1	6.2	0.1		5.7			
August	87	86	84	86	86	86	86	86	86	5.2	5.6	6.0	6.3	6.0	6.4	5.3	5.0	5.7	0.7		8.4			
September	86	86	85	83	83	85	84	84	85	6.8	6.7	6.2	6.5	6.4	6.8	6.4	6.6	6.5	1.9		11.5			
October	86	87	86	86	85	84	86	86	86	5.9	7.4	7.2	6.9	6.8	6.6	6.0	5.8	6.6	2.7		14.6			
November	87	87	86	84	83	85	86	87	86	7.2	7.3	7.2	6.9	7.0	7.1	7.1	7.0	7.1	2.6		17.9			
December	88	87	87	83	82	84	86	87	85	7.3	7.3	7.4	7.3	7.1	7.2	7.3	7.5	7.3	2.2		20.1			
Total	1041	1034	1028	1016	1009	1019	1032	1035	1028	79.8	81.6	83.2	82.7	82.8	82.4	80.6	80.3	81.6	17.3		146.9			
Mean	87	86	86	85	84	85	86	86	86	6.7	6.8	6.9	6.9	6.9	6.9	6.7	6.7	6.8	1.4		12.2			

Not recorded

Not recorded

Not recorded

Frequency Table I for Deception Island, South Shetlands, 1961.

MONTH	M.S.L. PRESSURE : Number of observations, at all hours, in 5mb. ranges. 1																			
	930.0 to 934.9	*935.0 to 939.9*	*940.0 to 944.9*	*945.0 to 949.9*	*950.0 to 954.9*	*955.0 to 959.9*	*960.0 to 964.9*	*965.0 to 969.9*	*970.0 to 974.9*	*975.0 to 979.9*	*980.0 to 984.9*	*985.0 to 989.9*	*990.0 to 994.9*	*995.0 to 999.9*	*1000.0 to 1004.9*	*1005.0 to 1009.9*	*1010.0 to 1014.9*	*1015.0 to 1019.9*	*1020.0 to 1024.9*	*1025.0 to 1029.9*	*1030.0 to 1034.9*
January								5	16	26	19	57	44	34	47						
February										8	24	59	53	43	27	10					
March							1	6	62	43	28	29	22	32	19	6					
April									8	13	22	32	30	46	61	20	8				
May		2	1	2	1	3	7	29	27	55	29	32	25	12	14	8	1				
June							11	15	18	26	28	28	34	24	26	20	2	2	6		
July								2	6	10	14	25	34	43	39	31	22	11	4	7	
August						2	3	13	19	10	17	17	11	31	42	20	36	25	2		
September								7	15	31	36	35	38	4	9	23	22	20			
October					3	11	15	31	33	48	37	37	12	6	7	8					
November						4	4	24	10	43	86	17	20	23	9						
December							9	15	14	40	57	61	35	17							
Year		2	1	2	4	20	50	147	228	353	397	429	358	315	300	146	91	58	12	7	

Frequency Table II for Deception Island, South Shetlands, 1961.

TEMPERATURE: Number of observations at all hours, in 2°F ranges :— [1 & 4]

MONTH	Negative Ranges															Positive Ranges																																			
	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71
January																															16	41	71	57	44	12	7														
February																														9	41	58	46	40	24	3	3														
March																											7	10	28	54	63	41	21	17	6	1															
April																						1	11	10	12	21	17	30	18	36	34	17	18	13	1	1															
May																				8	16	12	14	19	15	30	44	27	14	9	17	18	5																		
June											2	4	3	6	3	4	11	13	15	21	16	12	17	20	16	11	6	9	3	6	10	23	9																		
July											1	7	8	8	9	4	3	6	10	13	11	16	9	10	13	8	9	12	11	17	24	21	18																		
August														2		1	8	10	16	17	16	21	28	27	27	21	21	10	4	2	6	5	6																		
September																				1	4	15	15	14	18	22	13	20	30	36	24	15	12	1																	
October																					2	7	13	11	6	11	17	10	21	28	28	52	41	1																	
November																								1	6	5	17	17	30	44	56	34	23	4	3																
December																														14	56	87	57	26	6	2															
Year											3	11	11	16	12	9	22	29	41	60	65	84	107	112	113	129	151	145	159	255	375	412	327	159	84	19	10														
DAILY EXTREMES																																																			
Maximum													1			2		3	1	1	4	5	8	7	6	17	16	19	21	20	26	50	58	38	27	24	6	3	2												
Minimum										1	4	1	2	4	3	3	12	12	4	14	13	16	17	14	19	16	21	15	32	41	45	35	12	9																	

Frequency Table III for Deception Island, South Shetlands, 1961.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 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							1			2	3	8	18	25	40	42	45	53	11
February						1	3		7	2	5	14	15	14	27	33	40	57	6
March							1	1	4	4	7	3	11	22	29	42	85	38	1
April											2	6	9	22	43	70	69	18	1
May											1	5	19	32	45	88	55	3	
June											2	1	11	20	73	73	57	3	
July										2	1		7	12	33	88	87	17	1
August										2	6	7	9	7	37	91	76	13	
September								1	2	1	2	4	11	21	50	90	52	6	
October												1	13	30	41	80	76	7	
November												3	16	19	51	73	66	12	
December												1	10	39	52	65	67	14	
Total						1	5	2	13	13	29	53	149	263	521	835	775	241	20
Mean						–	–	–	1	1	2	4	12	22	43	70	65	20	2

Frequency Table IV for Deception Island, South Shetlands, 1961.

Number of observations, at all hours, of :-

MONTH	VISIBILITY[6]										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS[7] (metres)																NO CLOUD
																	ALL AMOUNTS									7–8 OKTAS								
	<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	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	13	16	47	30	64	76	7	24	34	36	144	3	8	6	13	64	95	50	5	7		5	6	10	34	14	17	2	2		
February		1	4	4	9	23	37	46	31	69	11	21	46	40	102	4	4	11	25	47	54	68	4	8		4	10	23	31	27	10	2			3
March		2	2	7	24	43	37	37	46	50	3	14	36	33	159	3	3	5	30	80	53	73	1	1	1	3	5	28	66	40	30				1
April	5	5	8	20	19	17	54	41	35	36	4	8	44	49	113	22	22	3	17	76	48	62	8	3	1	22	1	12	48	13	36	4	2		
May	6	8	12	23	22	23	58	34	45	17	4	16	58	53	97	20	20	1	14	81	47	75	6	3		20	1	14	53	20	32	2	1		1
June	10	9	6	8	27	54	63	34	9	20	6	14	44	28	127	21	21		8	84	72	46	3	3	1	21		6	69	35	18	1			2
July		5	6	2	18	43	74	31	33	36	23	21	39	39	120	6	6	1	9	113	68	24	4	11	1	6		7	82	33	3	2	2		11
August		7	3	18	26	36	47	40	23	48	45	19	39	55	84	6	6	2	9	67	82	33	4	10	14	6	1	6	47	30	11				21
September	1	2	2	7	11	25	83	41	31	37	26	21	30	39	122	2	2		16	81	76	38	1	8	6	2		15	57	37	16		2	1	12
October		2	1	5	10	22	78	55	45	30	13	14	44	63	110	4	4		8	76	77	65	5	3	1	4		8	60	33	19	1			9
November		1		5	17	20	42	49	56	50	5	8	48	55	122	2	2	2	18	74	76	59	4	3	1	2	2	15	60	36	21	2	2		1
December			5	3	2	18	52	51	52	65	6	7	34	68	131	2	4	6	20	85	95	24	8	5	1	2	4	17	59	32	9	7	2	1	
Total	22	42	50	103	198	340	672	489	470	534	153	187	496	558	1431	95	102	37	187	928	843	617	53	65	27	97	30	161	666	350	222	23	13	2	61
Mean	2	3	4	9	17	28	56	41	39	45	13	16	41	47	119	8	9	3	16	77	70	51	4	5	2	8	3	13	55	29	19	2	1	–	5

Frequency Table V for Deception Island, South Shetlands, 1961.

MONTH	WEATHER: No. of Days [1]																										
	Temperature [8]				Precipitation [1]			0 Wind = 6 Force >	0 Wind = 8 Force >	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.																	True	Pseudo	True	Small	Soft
	>32°F	< 5°F	<-4°F	>41°F	=>0.10 mm	=>1.0 mm	=>10.0 mm																		
January	19			7	Not recorded	Not recorded	Not recorded	10	1	12	14	6	11		28		Not recorded	Not recorded	4	1	2	1		1	
February	7			3				11		7	15	5	12		21				2		3	3			
March	3							16	1	7	25	5	7		25				16		1	7			
April	1			1				16	6	7	23	3	9		24				20		2	11			
May								24	13	2	25	3	2		23				22			16			
June			2					21	9	3	27	2	7		23				19			17			
July		4	4					16	2	5	25	3	10		18				19			6			
August			1					10	2	1	23	3	4		12	3			14		5	11			
September	1							8	3	1	24	4	10		18	1			14		1	6			
October								18	3	11	28	9	4		19				16		2	8			
November	2							7		4	23	4	1		23				22		1	3			
December	4							7		9	18	8	5		28				3		3	5			
Total	37	4	7	11				164	40	69	270	55	82	0	262	4			171	1	20	94	0	1	0
Mean	3	-	1	1				14	3	6	23	5	7	-	22	-			14	-	2	8	-	-	-

Frequency Table VI for Deception Island, South Shetlands, 1961.

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	10.9	1	30	82	113	22	16	16	54	25	10	3	6	5	8	31	23	29
February	12.7		37	90	75	22	11	42	46	7	5	1	2	6	25	29	10	18
March	13.1	1	47	96	83	21	6	30	87	13	2			11	20	23	17	18
April	15.5	25	46	79	54	36	15	60	71	6	1		1	1	5	23	14	7
May	20.5	52	63	69	35	29	13	35	59	23	3	1	3	2	27	26	19	8
June	14.5	22	48	63	57	50	13	15	63	3	2	1	1	1	13	32	29	17
July	13.9	2	45	118	57	26	15	10	31	1	1	3	1	2	9	39	48	62
August	10.1	4	28	77	70	69	9	10	9	5	3	1	1	5	14	47	45	30
September	11.9	9	15	102	86	28	8	12	35	15	6		1	2	10	32	44	47
October	16.4	6	66	112	50	14	19	4	5	3	3	2		2	14	50	63	69
November	12.0		17	120	93	10	35	29	30	10	11	5	1	4	15	17	42	31
December	10.8		21	91	113	23	15	6	31	22	9	4	1	2	21	43	30	41
Total	162.3	122	463	1099	886	350	175	269	521	133	56	21	18	43	181	392	384	377
Mean	13.5	10	39	92	74	29	15	22	43	11	5	2	1	4	15	33	32	31

Frequency Tables VII to X for Deception Island, South Shetlands, 1961.

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			2	4	2	2	2	1	9	4	7	34
2	1	3			1	1	1	2		4	5	4	22
3	3	3	3	3	2		1		3	15	12	12	57
4	10	9	17	5			1	1	4	3	1	4	55
5	1		14	7	1		1				1	2	27
6		1	17	5									23
7			2	3	2								7
≥ 8			1										1
Totals	16	16	54	25	10	3	6	5	8	31	23	29	226

CALMS – 22

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			1	2			1	2		11
2	1	7	5	1	5			3	1	1	1		25
3	5	7	6	1				1	2	9	5	3	39
4	3	11	12					2	4	14	2	11	59
5	1	11	6	1					6	3		3	31
6		3	11	4					12	1		1	32
7			5										5
≥ 8													
Totals	11	42	46	7	5	1	2	6	25	29	10	18	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	1	1					3	1	1	1		9
2	1	4	1	1				5	3	4	3	2	24
3		6	5	7	2			1	8	8	7	6	50
4	2	11	27	1				2	6	10	6	8	73
5	2	4	14						2			1	23
6		3	29	4								1	37
7			10										10
≥ 8		1											1
Totals	6	30	87	13	2			11	20	23	17	18	227

CALMS – 21

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			1	2	1	10
2	3	4	3	1	1					1	5	2	20
3	1	4	5	1				1	2	5	5		24
4	4	11	7	4					3	15	1	4	49
5	2	16	10							1	1		30
6	3	12	18										33
7	1	4	8										13
≥ 8		8	17										25
Totals	15	60	71	6	1		1	1	5	23	14	7	204

CALMS – 36

Frequency Tables XI to XIV for Deception Island, South Shetlands, 1961.

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			2						1	1		1	5
2	3		1	1						2	1	1	9
3	2	6	1	1	1		1		1	4	2	2	21
4	3	1	7	3	2	1	2	1	8	4	7	2	41
5	2	4	7	2				1	6	1	5		28
6	2	4	7	6					2	4	1	1	27
7		9	8	4					7	4	3	1	36
≥ 8	1	11	26	6					2	6			52
Totals	13	35	59	23	3	1	3	2	27	26	19	8	219

CALMS – 29

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				2			1		4	5	1	14
2	2		1				1			5	10	1	20
3		2	2			1			2	6	6	4	23
4	3	7	7	1					1	12	4	6	41
5	1	4	5	1					3	2	3	3	22
6	6	1	13						3	2	1	2	28
7			19						1				20
≥ 8		1	16	1					3	1			22
Totals	13	15	63	3	2	1	1	1	13	32	29	17	190

CALMS – 50

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	2	3	9
2		2	2	1		1					6	5	17
3	2	1				1	1	2		8	11	5	31
4	3	2	5		1				1	15	21	27	75
5	7	3	5						2	6	4	16	43
6	2		10						2	6	4	5	29
7	1	1	7						4	2		1	16
≥ 8			1							1			2
Totals	15	10	31	1	1	3	1	2	9	39	48	62	222

CALMS – 26

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							2	5
2	2	1				1		1	1	4	6	10	26
3	2	1	1	1	1		1			8	20	4	39
4	1	3	3	2	1			2	1	12	12	12	49
5	2	2	2					1	4	12	5		28
6	1	2	3					1	4	8	2	2	23
7				1					2	2			5
≥ 8				1					2	1			4
Totals	9	10	9	5	3	1	1	5	14	47	45	30	179

CALMS – 69

Frequency Tables XV to XVIII for Deception Island, South Shetlands, 1961.

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		5
2			2	4	4			1	2	5	9	2	29
3		4	1						4	12	13	18	52
4	2	1	8	3	1			1	4	12	15	18	65
5	3	6	14	2							3	9	37
6	3	1	4							1			9
7			2	2							2		6
≥ 8			3	4	1						1		9
Totals	8	12	35	15	6		1	2	10	32	44	47	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	2			1					1	2	1	8
2	1			1						4	7	3	16
3			1			1		1	1	7	9	6	26
4	4	1	1	2	2	1			1	12	15	26	65
5	8		3					1	3	10	10	12	47
6	5	1							3	9	12	12	42
7									5	4	7	8	24
≥ 8									1	3	1	1	6
Totals	19	4	5	3	3	2		2	14	50	63	69	234

CALMS – 14

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	2		1	1		2		9
2	1	1		1				1	1	4	5	8	22
3	12	2	3	3	4	1		1	10	6	12	8	62
4	15	16	11	5	3	1			2	4	17	14	88
5	5	8	4	1	3	1	1	1		2	5	1	32
6		2	6							1	1		10
7			6						1				7
≥ 8													
Totals	35	29	30	10	11	5	1	4	15	17	42	31	230

CALMS – 10

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		1	3	4	2		1	2	6	6	8	34
3	5	1	5	6	4	2			3	13	16	19	74
4	7	4	8	8					7	18	8	10	70
5	1	1	6	2					3	4		4	21
6	1		10	3					4				18
7									2	1			3
≥ 8													
Totals	15	6	31	22	9	4	1	2	21	43	30	41	225

CALMS – 23

Frequency Table XIX for Deception Island, South Shetlands, 1961.

Beaufort Force	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually [1]												
	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 Directions
1	9	9	10	2	10	6	7	8	4	22	21	16	124
2	16	22	16	14	15	5	2	14	10	40	64	46	264
3	32	37	33	23	14	6	4	7	36	101	118	87	498
4	57	77	113	34	10	3	3	9	42	131	109	142	730
5	35	59	90	16	4	1	2	4	29	41	37	51	369
6	23	30	128	22				1	30	32	21	24	311
7	2	14	67	10	2				22	13	12	10	152
=> 8	1	21	64	12	1				8	12	2	1	122
Totals	175	269	521	133	56	21	18	43	181	392	384	377	2570

CALMS 350.

Means and Extremes Table I for Argentine Islands, 1961.

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	989.7	1002.1	5th, 21st	969.2	11th	33.6	34.2	35.2	35.8	36.4	36.3	35.3	34.5	35.2	38.7	32.0	46	11th	29	2, 3, 19
February	991.7	1009.0	23rd	974.5	14th	31.6	31.5	32.6	33.7	33.7	33.3	32.5	31.7	32.6	36.5	29.7	44	13th	25	18th
March	982.9	1008.5	4th	966.0	12th	30.2	30.0	30.1	31.1	31.7	31.4	30.8	30.5	30.7	34.0	28.2	43	19th	23	26th
April	993.8	1010.6	18th	968.6	1st	28.4	28.0	28.0	28.9	29.3	28.5	28.0	28.0	28.4	31.2	25.5	41	22nd	19	30th
May	980.1	1006.8	15th	935.6	18th	23.8	23.4	23.2	23.6	23.8	23.1	23.2	23.5	23.5	26.7	20.2	38	8th	15	23rd, 26th
June	986.9	1020.4	10th	956.6	28th	17.7	17.8	17.9	18.3	18.4	17.7	17.7	17.2	17.8	23.1	11.8	39	20th	−3	29th, 30th 14th
July	997.9	1025.1	30th	961.6	25th	11.8	12.5	12.8	13.5	13.7	13.1	13.5	13.0	13.0	20.1	4.2	35	21st, 22nd	−16	12th
August	997.4	1022.7	30th	960.5	11th	8.0	7.2	5.8	6.4	7.9	7.7	7.5	7.8	7.3	15.8	−1.4	35	1st	−20	17th
September	991.3	1020.2	2nd	963.3	29th	16.1	15.5	15.2	18.1	18.6	17.9	16.5	15.8	16.7	24.0	8.6	38	11th, 12th	−13	4th
October	975.0	1006.5	15th	950.8	24th	19.5	19.2	20.6	22.8	24.4	23.4	22.3	20.6	21.6	29.2	13.5	39	29th	−17	1st
November	981.4	1002.6	7th	958.1	4th	22.8	23.7	25.0	28.3	29.0	28.3	26.1	23.8	25.9	32.4	19.5	41	18th	−3	12th
December	982.9	997.4	8th	962.1	21st	29.3	29.7	30.8	32.5	33.1	32.3	31.3	30.3	31.2	35.6	27.6	44	6th	16	23rd
Total	11851.0	12131.9	—	11526.9	—	272.8	272.7	277.2	293.0	300.0	293.0	284.7	276.7	283.9	347.3	219.4	483	—	55	—
Mean	987.6	1011.0	—	960.6	—	22.7	22.7	23.1	24.4	25.0	24.4	23.7	23.1	23.7	28.9	18.3	40.3	—	4.7	—

Means and Extremes Table II for Argentine Islands, 1961.

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	86	85	83	83	83	86	87	85	7.2	6.8	6.8	7.1	6.8	6.6	7.0	7.0	6.9	3.6	Not recorded	19.9	Not recorded	Not recorded	Not recorded
February	81	82	78	76	78	79	82	82	80	5.8	6.9	6.5	6.5	6.6	6.6	6.2	5.8	6.4	3.9		16.3			
March	84	83	84	81	79	83	83	84	83	6.2	7.0	6.9	6.7	6.8	6.8	6.6	6.5	6.7	2.3		12.8			
April	89	88	88	85	84	85	88	89	87	6.1	6.4	7.2	6.6	7.0	6.9	6.1	6.4	6.6	1.5		9.4			
May	84	84	83	83	83	85	84	83	84	6.2	6.5	6.3	6.2	6.6	6.1	5.8	6.4	6.3	0.5		6.1			
June	86	87	88	87	86	88	87	87	87	6.2	6.3	6.9	6.9	7.3	6.9	6.8	6.6	6.7	0.1		3.8			
July	87	87	87	89	87	87	90	89	88	5.8	5.5	5.6	6.3	6.5	6.0	5.5	5.8	5.9	0.6		4.9			
August	86	86	86	86	86	85	85	86	86	4.8	4.8	4.9	4.9	5.4	5.9	5.0	5.0	5.1	2.6		8.1			
September	83	85	85	85	84	80	81	82	83	5.6	6.0	6.0	5.8	5.4	6.2	5.2	5.4	5.7	3.8		11.4			
October	91	89	87	85	86	89	88	88	88	6.4	7.1	7.1	6.9	7.3	6.8	6.9	6.4	6.9	2.4		14.9			
November	89	86	84	79	79	82	84	88	84	6.7	6.3	6.4	6.1	6.5	6.5	6.3	6.4	6.4	5.6		18.5			
December	92	89	86	83	81	85	89	90	87	7.2	7.1	6.9	7.0	6.7	7.0	7.0	6.8	7.0	3.5		21.6			
Total	1041	1032	1021	1002	996	1011	1027	1035	1022	74.2	76.7	77.5	77.0	78.9	78.3	74.4	74.5	76.6	30.4		147.7			
Mean	87	86	85	83	83	84	86	86	85	6.2	6.4	6.5	6.4	6.6	6.5	6.2	6.2	6.4	2.5		12.3			

Frequency Table I for Argentine Islands, 1961.

MONTH	M.S.L. PRESSURE : Number of observations, at all hours, in 5mb. ranges.																			
	930.0 to 934.9	*935.0 to 939.9*	*940.0 to 944.9*	*945.0 to 949.9*	*950.0 to 954.9*	*955.0 to 959.9*	*960.0 to 964.9*	*965.0 to 969.9*	*970.0 to 974.9*	*975.0 to 979.9*	*980.0 to 984.9*	*985.0 to 989.9*	*990.0 to 994.9*	*995.0 to 999.9*	*1000.0 to 1004.9*	*1005.0 to 1009.9*	*1010.0 to 1014.9*	*1015.0 to 1019.9*	*1020.0 to 1024.9*	*1025.0 to 1029.9*	*1030.0 to 1034.9*
January								3	10	29	21	49	58	59	19						
February									2	11	20	53	68	41	19	10					
March								19	62	36	35	24	25	27	12	8					
April								3	11	17	22	26	31	50	55	23	2				
May		3		2	1	2	15	22	48	39	31	28	25	12	13	7					
June						3	11	25	19	21	21	43	24	24	25	15	2	5	2		
July							3	2	7	10	16	26	32	43	32	36	16	16	7	2	
August							10	8	9	17	12	16	26	26	38	19	37	20	10		
September							2	7	16	37	45	35	21	4	8	18	24	22	1		
October					11	11	11	57	46	41	34	10	8	5	8	6					
November						4	9	23	19	50	66	28	9	18	14						
December							9	19	18	20	75	57	41	9							
Year		3		2	12	20	70	188	267	328	398	395	368	318	243	142	81	63	20	2	

Frequency Table II for Argentine Islands, 1961.

TEMPERATURE: Number of observations at all hours, in 2°F ranges :— 1 & 4

Negative Ranges

MONTH	31	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1
January																
February																
March																
April																
May																
June																3
July									1	2	8	5	8	12	8	10
August						1	1	1	4	11	11	12	8	9	16	15
September											2	1	9	6	7	10
October									1		1		1	1	4	3
November																
December																
Year						1	1	1	6	13	22	18	26	28	35	41
DAILY EXTREMES																
Maximum															1	3
Minimum						1		2	2	7	7	3	8	10	9	7

Positive Ranges

MONTH	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69
January															6	22	84	72	41	13	5	2	3												
February													3	14	13	48	68	48	13	10	5	2													
March													10	41	49	45	54	25	17	4	2	1													
April										1	3	23	26	55	66	19	15	16	6	6	4														
May								1	38	35	23	30	40	27	14	22	11	3	4																
June	7	10	9	7	14	10	6	27	21	32	18	13	10	10	12	10	13	5	2	1															
July	17	19	10	8	5	9	9	6	2	5	11	15	9	8	13	22	20	6																	
August	10	16	17	6	11	8	8	10	13	11	8	6	5	5	11	5	7	2																	
September	11	5	8	6	14	9	8	11	6	6	9	11	15	24	15	22	17	3	4	1															
October	3	9	7	5	8	8	10	9	10	9	11	15	13	16	23	30	38	10	1	2															
November	2	2	1	4	6	5	7	6	8	5	14	16	13	24	26	28	37	22	11	3															
December									1	2	1	6	3	18	46	61	47	32	19	8	4														
Year	50	61	52	36	58	49	48	70	99	106	98	135	147	242	294	334	411	244	118	48	20	5	3												
DAILY EXTREMES																																			
Maximum	2	11	2	3	1	8	7	5	5	13	9	8	20	22	29	27	53	42	36	32	17	4	4	1											
Minimum	7	6	7	4	9	9	13	13	13	13	16	20	21	41	39	36	37	4	1																

Frequency Table III for Argentine Islands, 1961.

MONTH	RELATIVE HUMIDITY : Number of observations, at all hours, in 5% ranges :— 1 & 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					2	3		1	5	2	4	6	14	26	30	45	55	45	10
February								1	2	15	17	25	29	19	23	21	27	36	9
March									1	4	11	26	35	28	34	15	33	48	13
April											2	7	16	32	44	36	33	52	18
May									1	3	2	11	23	44	49	44	26	33	12
June								1		2	6	6	9	32	30	45	44	62	3
July									1	4	4	7	9	19	26	48	63	57	10
August											1	2	12	28	60	69	55	21	
September									3	11	12	15	12	18	22	60	57	28	2
October										1	7	8	11	18	42	25	68	51	17
November									4	5	5	10	20	33	41	32	41	42	7
December										3	5	7	20	22	25	51	52	63	
Total					2	3		3	17	50	76	130	210	319	426	491	554	538	101
Mean					-	-		-	1	4	6	11	17	27	35	41	46	45	8

Frequency Table IV for Argentine Islands, 1961.

Number of observations, at all hours, of :-

MONTH	VISIBILITY[6]										LOW CLOUD AMOUNTS (oktas)						CLOUD HEIGHTS[7] (metres)																No Cloud
																	All Amounts									7–8 Oktas								
	< 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	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	4		6	33	20	48	135	47	27	26	62	83	3	3		9	28	35	80	46	45	2	3		9	23	17	42	23	7		
February		2	1	14	10	4	39	30	33	91	39	25	25	47	86	2	2	2	16	29	35	82	19	25	8	2	1	15	23	19	31	6	2	1	6
March			1	5	14	11	54	42	36	85	14	28	43	55	107	1	1	1	8	46	51	96	31	13		1		5	34	33	39	9	3		1
April		1	3	9	7	12	28	44	66	70	15	28	43	56	93	5	5	1	9	26	44	115	25	7	6	5	1	7	21	23	47	12	2	2	2
May			1	14	9	5	39	43	58	79	51	31	40	42	82	2	2		4	22	35	100	34	33	11	2		2	22	31	37	12	6	6	7
June			1	4	15	14	81	48	49	28	25	26	28	49	112		1		7	19	75	90	23	17	1			6	14	57	39	14	4		7
July			7	28	15	13	63	25	49	48	44	31	23	38	111	1	2	1	23	36	49	61	32	15	2	1	1	15	33	33	33	13	3		27
August			10	23	7	7	47	31	34	89	54	49	18	39	84	4	22		11	31	63	61	6	14	6	14		11	22	33	28	1	2		34
September		3	2	23	14	8	46	42	33	69	44	50	32	35	77	2	13	4	21	29	39	71	19	18	4	2	1	15	18	14	22	10	1		22
October		4	11	36	12	13	50	29	42	51	21	19	15	48	134	11	11	3	19	65	49	67	13	4	8	11	3	18	60	21	40	5	2	1	9
November		2	6	11	9	11	38	39	38	86	18	47	25	49	95	6	7		16	34	67	71	27	9	4	6		15	29	27	24	7	1		5
December		5	1	8	8	9	32	37	60	88	19	38	22	57	110	2	6	4	7	41	56	82	33	19		4	4	7	28	31	31	12	9		
Total	–	17	46	179	120	113	550	430	546	919	391	399	340	577	1174	39	75	16	150	406	598	976	308	219	52	51	11	125	327	339	413	124	42	10	120
Mean	–	1	4	15	10	9	46	36	45	77	33	33	28	48	98	3	6	1	13	34	50	81	26	18	4	4	1	10	27	28	34	10	3	1	10

Frequency Table V for Argentine Islands, 1961.

MONTH	WEATHER: No. of Days [1]																								
	Temperature [8]				Precipitation [1]			9 Wind Force ≥ 6	9 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	13			4	Not recorded	Not recorded	Not recorded	3		9	8	4	2		27	1	Not recorded	Not recorded			4				
February	2			2				1		9	16	6	3		20	2			2	3	6	4			
March	2			2				5		4	20	6	3		23	1			4	2	1	3		1	
April	2							5		6	14	4	2		19	1			1		6	1			
May								7	2		19	1			19	2			10	3		8			1
June								9	2	2	25	3	2		23				11	1		4		1	1
July		8	8					11	1	1	19	1	3		18	2			15		6	8			
August		7	14					10	2	1	14		1		13	4			8		10	6			
September		3	8					10	1	3	15	2			14	5			12	1	7	8			
October			3					15	6	4	24	5			26				13	1		18			
November								4		4	16	3			21				3		10	3			
December	4			1				3		6	15	5	2		23				1		6	2			
Total	23	18	33	9				83	14	49	205	40	18	0	246	18			80	11	56	65	0	2	2
Mean	2	1	3	1				7	1	4	17	3	1	–	21	1			7	1	5	5	–	–	–

Frequency Table VI for Argentine Islands, 1961.

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	5.0		4	35	130	79	27	42	7	11	11	14	21	18	6	4	1	7
February	6.1		1	48	111	64	23	35	14	8	7	11	19	22	9	2	2	8
March	7.9		15	49	137	47	20	53	19	8	6	22	33	13	9	5	8	5
April	6.0		12	27	124	77	17	36	14	13	9	31	21	6	3	2	5	6
May	8.2	2	23	45	110	68	21	39	24	15	8	15	17	28	6	3	3	1
June	8.9	4	13	65	116	42	19	39	11	15	7	27	34	21	9	3	5	8
July	8.6	2	18	72	86	70	15	65	1	4	14	7	27	23	8	9	3	2
August	7.8	2	17	54	93	82	12	17		5	7	29	51	34	6	1	2	2
September	8.4	1	20	63	86	70	21	49	8	12	8	19	22	13	7	5	2	4
October	13.1	11	48	64	91	34	42	51	8	8	9	12	26	21	18	5	5	9
November	7.2		6	58	115	61	45	34	7	7	4	30	17	12	11	6	2	4
December	6.4		9	27	161	51	9	18	13	7	10	23	39	44	19	9	3	3
Total	93.6	22	186	607	1360	745	271	478	126	113	100	240	327	255	111	54	41	59
Mean	7.8	2	15	51	113	62	23	40	11	9	8	20	27	21	9	5	3	5

Frequency Tables VII to X for Argentine Islands, 1961.

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	4	6	4	4		4	6	6	1	1		1	37
2	5	13	2	4	3	7	12	8	4		1	4	63
3	6	10	1		1	2	1	4	1	3		1	30
4	11	11			1	1	2					1	27
5	1	1		3	3								8
6		1			2								3
7					1								1
>= 8													
Totals	27	42	7	11	11	14	21	18	6	4	1	7	169

CALMS - 79

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		3	4	2	3	1	2	3	1			1	20
2	2	6	5	2	1	4	13	4	2	1	2	5	47
3	11	7	2	3	2	5	4	7	2			1	44
4	8	14	3		1	1		6	3			1	37
5	2	4		1				2	1	1			11
6		1											1
7													
>= 8													
Totals	23	35	14	8	7	11	19	22	9	2	2	8	160

CALMS - 64

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	4	2	2	1	3	1	1			1	18
2	3	5	4	3	3	5	10	8	6	2	2	2	53
3	2	7	6	3		15	19	3	2	2	5	2	66
4	3	24	5		1	1	1	1		1	1		38
5	4	7											11
6	7	8											15
7													
>= 8													
Totals	20	53	19	8	6	22	33	13	9	5	8	5	201

CALMS - 47

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	2	5	2	7	4	1	2	1	1	1	29
2	1	4	6	5	5	8	3	1			2	4	39
3	6	7	4	3	2	14	13	2	1	1	2	1	56
4	6	8	2			2	1	2					21
5	2	4											6
6	1	6											7
7	1	4											5
>= 8													
Totals	17	36	14	13	9	31	21	6	3	2	5	6	163

CALMS - 77

Frequency Tables XI to XIV for Argentine Islands, 1961.

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	4		3	2	2		1			17
2	4	8	10	8	6	7	6	5	1		1	1	57
3	2	7	4		1	4	7	6	3	1	1		36
4	11	2	4	2	1	1	1	6	1	1	1		31
5	2	5		1			1	4	1				14
6	2	6	1					1					10
7		9	1					3					13
≥ 8		1						1					2
Totals	21	39	24	15	8	15	17	28	6	3	3	1	180

CALMS – 68

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	7		4	4	1		1			20
2	2		2	6	6	13	13	6	2		1		51
3	3	5	3	1	1	8	10	5	3	1	2	3	45
4	8	12	2	1		2	7	6	4	1	2	4	49
5	5	7	1					2				1	16
6		10						1					11
7	1	1											2
≥ 8		4											4
Totals	19	39	11	15	7	27	34	21	9	3	5	8	198

CALMS – 42

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	4		1	3	2	2	1		3	1		19
2	1	5	1	2	7	1	7	4	4	4	1	1	38
3	1	6		1		1	9	9			1	1	29
4	2	18			3	2	6	7	2	2			42
5	4	20			1		3	1	1				30
6	4	7						1					12
7	1	3				1			1				6
≥ 8		2											2
Totals	15	65	1	4	14	7	27	23	8	9	3	2	178

CALMS – 70

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	4	1	2					10
2				2	2	12	16	10	1		1		44
3	1	1		1	3	12	19	1	1				39
4	3	4			1	1	8	15	1	1	1	1	36
5	1	3					6	5	3				18
6	6	4					1	1				1	13
7	1	3											4
≥ 8		2											2
Totals	12	17		5	7	29	51	34	6	1	2	2	166

CALMS – 82

Frequency Tables XV to XVIII for Argentine Islands, 1961.

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	7	6	1	3				24
2	1	2		3	4	5	9	6	2				32
3	1	4	1	3	3	6	4	4		2	1	1	30
4	11	13	3	2		1	3	2	1	3		2	41
5	7	12	1	1								1	22
6		9	1	1					1		1		13
7		7											7
>= 8		1											1
Totals	21	49	8	12	8	19	22	13	7	5	2	4	170

CALMS – 70

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			2	2		2		1					7
2	2	1	5	4	2	3	7	6	5	1	2		38
3	1	3	1	1	7	6	13	5	4	3		2	46
4	6	7		1		1	6	7	5		2	4	39
5	14	11											25
6	11	14						2		1	1	3	32
7	3	11							2				16
>= 8	5	4							2				11
Totals	42	51	8	8	9	12	26	21	18	5	5	9	214

CALMS – 34

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	2		1	2		2	2			13
2	4	2	3	3		13	7	8	3	2		2	47
3	16	3	1		3	13	5	4	5	2	2	1	55
4	15	17	1	1	1	2	2		1			1	41
5	6	7	1	1		1	1						17
6	2	4											6
7													
>= 8													
Totals	45	34	7	7	4	30	17	12	11	6	2	4	179

CALMS – 61

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	2	4	7	4	1		1	24
2	1	3		3	6	14	19	11	9	6	2		74
3	3	5	3	2	2	7	13	18	6	2	1	1	63
4	3	2	6				3	4				1	19
5	1		2	1				4					8
6		6	2										8
7		1											1
>= 8													
Totals	9	18	13	7	10	23	39	44	19	9	3	3	197

CALMS – 51

Frequency Table XIX for Argentine Islands, 1961.

Beaufort Force	WIND FORCES IN TWELVE 30° SECTORS : No. of observations, at all hours, annually [1]												
	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 Directions
1	11	22	26	34	14	38	36	26	14	10	2	5	238
2	26	49	38	45	45	92	122	77	39	16	15	19	583
3	53	65	26	18	25	93	117	68	28	17	15	14	539
4	87	132	26	7	9	15	40	56	18	9	7	15	421
5	49	81	5	8	4	1	11	18	6	1		2	186
6	33	76	4	1	2		1	6	1	1	2	4	131
7	7	39	1		1	1		3	3				55
=> 8	5	14						1	2				22
Totals	271	478	126	113	100	240	327	255	111	54	41	59	2175

CALMS 745.

Upper Air Means Table I for Argentine Islands, 1961.

MONTH	MEAN AIR AND DEW POINT TEMPERATURES AT STANDARD LEVELS IN °C, for all ascents :—																					
	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	1.6	-0.6	-2.0	-5.3	-4.9	-7.9	-8.0	-10.5	-12.3	-16.6	-18.2	-23.5	-26.6	-31.5	-37.1	29 -40.9	-50.0	-46.6	29 -44.9	29 -44.1	275	9340	-54.6
February	29 0.4	29 -3.0	29 -4.4	29 -7.5	29 -7.4	29 -10.6	29 -10.1	29 -13.2	29 -14.9	29 -19.0	29 -21.4	29 -26.7	29 -30.1	29 -35.9	29 -40.9	15 -42.8	29 -51.3	29 -47.2	24 -46.9	13 -46.9	29 289	29 8950	29 -54.9
March	-1.1	-3.5	-5.3	-8.3	-8.2	-10.4	-11.0	-13.5	-16.6	-21.0	-24.1	-28.4	-33.1	-37.3	-44.2	3 -41.1	-53.0	30 -47.0	27 -47.6	18 -49.0	301	8510	-56.0
April	-2.3	-4.1	-5.8	-8.2	-7.9	-10.4	-10.2	-13.2	-15.2	-19.3	-22.4	-27.0	-31.0	-35.5	-42.0	7 -41.1	-54.0	-53.1	29 -53.0	21 -55.0	280	9200	-58.9
May	30 -4.9	30 -7.3	30 -8.3	30 -11.2	30 -11.2	30 -14.4	30 -14.1	30 -16.9	30 -19.7	30 -24.0	30 -26.7	30 -29.7	30 -35.8	24 -38.0	30 -46.6	4 -39.6	30 -57.3	30 -57.3	29 -58.3	21 -61.0	30 279	30 8900	30 -61.1
June	-7.9	-9.4	-10.8	-12.6	-13.1	-14.8	-15.2	-17.4	-20.1	-23.9	-26.9	-31.0	-36.1	28 -49.2	-47.9	0 —	-50.0	29 -65.0	25 -66.2	15 -67.8	29 253	29 9460	29 -66.0
July	-10.7	-12.3	-10.2	28 -13.6	-11.7	28 -15.2	-13.8	28 -17.8	-18.1	28 -23.7	-24.8	28 -30.5	-33.6	22 -38.6	-45.4	3 -41.0	-57.8	-67.4	28 -67.8	13 -69.7	30 224	30 10390	30 -68.8
August	-14.5	-16.4	-9.8	-13.3	-10.8	-15.5	-12.8	-18.6	-17.5	-24.8	-24.5	-32.0	-34.0	29 -40.7	-45.6	4 -45.5	-58.8	-70.2	27 -71.8	10 -74.6	29 211	29 10720	29 -71.1
September	-9.2	-11.3	-7.6	-10.9	-9.9	-13.7	-12.7	-16.9	-18.3	-23.5	-26.2	-31.9	-35.7	-41.7	-46.8	0 —	-50.4	29 -71.3	28 -73.6	19 -76.3	29 196	29 11130	29 -73.6
October	-6.7	-8.7	-7.5	-9.6	-9.7	-11.6	-12.2	-14.4	-18.1	-21.7	-25.4	-29.1	-34.4	30 -38.2	-45.8	1 -29.8	30 -58.0	27 -65.9	22 -67.3	13 -68.0	28 227	28 11170	28 -66.4
November	32 -4.3	32 -6.6	32 -6.4	32 -9.9	32 -9.2	32 -12.8	32 -12.2	32 -15.8	32 -18.2	32 -22.3	32 -24.8	32 -30.7	32 -33.6	32 -40.0	32 -44.8	4 -44.4	32 -56.7	31 -50.3	30 -58.3	22 -55.9	32 255	32 9490	32 -62.1
December	32 -0.8	32 -2.9	32 -4.4	32 -6.7	32 -6.9	32 -9.8	32 -9.7	32 -12.4	32 -15.1	32 -19.8	32 -21.8	32 -26.8	32 -30.6	32 -35.7	32 -41.2	14 -43.0	32 -52.8	30 -52.8	30 -51.3	22 -48.7	32 244	32 9140	32 -57.8
Total	-60.4	-86.1	-82.5	-117.1	-110.9	-147.1	-142.0	-180.6	-204.1	-259.6	-287.2	-347.3	-394.6	-462.3	-528.3	—	-650.1	-694.1	-707.0	717.0	3034	116400	-751.3
Mean	-5.0	-7.2	-6.9	-9.8	-9.2	-12.3	-11.8	-15.1	-17.0	-21.6	-23.9	-28.9	-32.9	-38.5	-44.0	—	-54.2	-57.8	-58.9	-59.7	253	9700	-62.6

Upper Air Means Table II for Argentine Islands, 1961.

MONTH	MEAN HEIGHTS ABOVE M.S.L. OF STANDARD PRESSURE LEVELS (metres) [22]										
	900 mb.	850 mb.	800 mb.	700 mb.	600 mb.	500 mb.	400 mb.	300 mb.	200 mb.	150 mb.	100 mb.
January	762	1213	1684	2716	3880	5220	6797	8730	11380	[29] 13300	[29] 16010
February	[29] 769	[29] 1216	[29] 1686	[29] 2703	[29] 3856	[29] 5178	[29] 6732	[29] 8640	[29] 11290	[24] 13210	[13] 15880
March	700	1146	1614	2627	3879	5076	6608	8490	[30] 11140	[27] 13060	[18] 15690
April	783	1228	1697	2717	3865	5181	6727	8620	11210	[29] 13070	[21] 15660
May	[30] 675	[30] 1116	[30] 1578	[30] 2581	[30] 3709	[30] 5001	[30] 6517	[30] 8380	[30] 10930	[26] 12740	[24] 15290
June	712	1149	1609	2608	3736	5027	6537	8380	[29] 10870	[25] 12630	[15] 15090
July	797	1235	1699	2704	3841	5145	6674	8540	11080	[28] 12750	[13] 15190
August	784	1224	1688	2698	3837	5140	6666	8530	10990	[27] 12700	[10] 15190
September	751	1194	1659	2668	3801	5095	6611	8460	[29] 10910	[28] 12600	[19] 14970
October	622	1067	1533	2541	3677	4977	6510	[30] 8360	[27] 10850	[22] 12600	[13] 15000
November	[32] 687	[32] 1131	[32] 1597	[32] 2606	[32] 3743	[32] 5046	[32] 6575	[32] 8450	[31] 10990	[30] 12790	[22] 15380
December	[32] 700	[32] 1148	[32] 1618	[32] 2639	[32] 3790	[32] 5109	[32] 6661	[32] 8560	[30] 11170	[30] 13000	[22] 15690
Total	8742	14067	19662	31808	45614	61195	79615	102140	132760	154450	185040
Mean	729	1172	1639	2651	3801	5100	6635	8510	11060	12870	15420

Upper Air Frequency Table I for Argentine Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	Surface																			900 mb.																			
	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17
January												2	11	11	6	1																2	11	11	6	1				
February													2	11	12	4															1	11	10	6	1					
March													7	13	9	2															5	9	11	4	2					
April													15	11	3	1														1	9	6	8	5	1					
May											2	12	8	6	1	1													1	6	6	7	8	2						
June								1	3	3	5	8	5	4	1													1	1	2	4	5	6	5	4	2					
July						1	2	4	6	1	4	2	3	6	2													1	3	2	2	3	3	8	8	1					
August					1	5	2	6	4	1		7	2	2	1														1	4	2	3	7	2	11	1				
September							5	2	3	2	1	3	9	4	1															1	4	3	15	7						
October								3	2	2	3	2	9	5	5														1		1	3	6	5	13	2				
November									1	6	1	2	7	7	8																3	6	9	11	3					
December													6	15	10	1																3	7	11	8	3				
Year					1	6	9	16	19	15	16	38	84	95	59	10												2	6	8	11	28	55	86	113	45	13	1			

Upper Air Frequency Table II for Argentine Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	850 mb.																				800 mb.																			
	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	15 to 17
January									2	3	1	6	14	4	1														2	13	11	5									
February										2	6	12	9															3	6	10	10									
March										6	6	13	6															1	5	6	12	6		1						
April									1	5	8	9	5	2														1	3	7	8	8	3							
May								2	7	2	11	5	3														2	7	4	7	6	4								
June							3	2	6	7	5	5	2														4	5	7	8	5	1								
July					1	2	1	3	2	3	7	6	5	1										1	1	2	2	1	4	6	7	6	1							
August							3	2	3	4	4	10	5												1	3	3	4	3	10	7									
September							1		1	4	15	9													1		1	3	16	7	2									
October						1		1	1	4	10	12	2												1			5	12	11	2									
November									3	6	7	14	2														3	5	10	11	3									
December										1	9	11	9	2															8	14	8	2								
Year					1	3	8	10	26	47	89	112	62	9	1									1	1	5	11	22	43	91	114	68	11	1						

Upper Air Frequency Table III for Argentine Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	700 mb.																				600 mb.																							
	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8	9 to 11	12 to 14	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	3 to 5	6 to 8
January										6	11	13	1															2	4	13	9	3										
February								2	5	7	12	2	1														4	3	10	9	2	1									
March								5	8	10	6	1	1													1	9	8	6	6	1									
April								3	6	9	8	3		1													5	7	11	4	2	1									
May						3	4	5	11	2	3	2													3	5	10	5	3	2	1	1									
June						2	4	5	10	7	2														2	6	10	6	4	2											
July			1		1	3	1	3	5	7	6	4												1		4	2	2	8	6	5	2	1								
August							4	5	4	8	9	1															4	7	6	10	3	1									
September							1	7	8	12	2																4	9	8	9											
October						1		4	15	7	4																	12	12	6	1										
November							2	6	10	9	4	1															4	5	10	11	2										
December									7	11	12	1	1															1	7	17	4	1	2								
Year			1		1	9	16	45	89	95	79	28	4	1										1		9	26	74	82	97	51	19	9								

Upper Air Frequency Table IV for Argentine Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	500 mb.																				400 mb.																					
	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14	-9 to -11	-6 to -8	-3 to -5	0 to -2	0 to 2	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-12 to -14
January									10	3	10	7	1																4	7	9	8	3							
February							4	3	9	7	5	1																1	6	4	8	7	3							
March						1	7	11	7	4			1															7	6	11	5	1		1						
April						2	3	6	10	4	3	2																2	5	12	6	1	4							
May					4	6	8	7	1	2		2														2	5	7	8	4	1		3							
June					2	6	10	6	5	1																2	6	10	5	5	2									
July				2		6		7	9	4	2	1															5	4	7	7	5	2	1							
August						5	6	10	7	1	2																4	5	10	8	3	1								
September						8	7	12	3																		3	10	10	7										
October						4	6	13	6	1	1																4	5	12	8	1					1				
November					1	2	8	11	6	4																1		8	12	4	4	3								
December							2	8	12	7	2	1																1	4	12	7	5	3								
Year				2	7	40	61	94	85	38	25	14	2													5	27	60	85	86	49	29	22	4		1				

Upper Air Frequency Table V for Argentine Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges [26]

MONTH	300 mb.																				200 mb.																							
	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35	-30 to -32	-27 to -29	-24 to -26	-21 to -23	-18 to -20	-15 to -17	-93 to -95	-90 to -92	-87 to -89	-84 to -86	-81 to -83	-78 to -80	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38
January							4	11	12	3	1																						1	2	2	5	11	10		
February					1	1	6	11	6	1	1	2																					1		1	8	14	4	1	
March						6	6	13	3	2		1																						1	2	6	16	4	1	
April						7	10	7	6																						1	2	6	4	6	8	2	1		
May				5	6	5	9	4		1																			1	1	2	3	11	6	4	2				
June				7	10	8	5															1					1	1	1	7	8	6	4						
July				3	4	13	7	4																				7	6	7	7	3	1						
August				1	11	14	5																			2	4	7	8	4	3	3						
September				8	8	13		1																		2	5	10	3	4	4	1						
October					8	14	4	4																				3	3	8	6	4	3						
November			1		6	13	6	4	2																				5	3	1	4	12	3	1	1	1		
December						10	5	8	4	3	2																			1	2	3	2	5	6	3	6		2	
Year			1	24	54	104	67	67	33	10	4	3										1				4	10	28	27	35	34	29	41	21	22	33	50	19	4	

Upper Air Frequency Table VI for Argentine Islands, 1961.

AIR TEMPERATURE AT STANDARD LEVELS: Number of observations at all ascents in 3°C ranges 26

150 mb.

MONTH	-90 to -92	-87 to -89	-84 to -86	-81 to -83	-78 to -80	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35
January														1	5	10	11	2		
February														2	1	14	6	1		
March													2	1	9	13	2			
April												3	10	10	6					
May									1	3	5	10	4	2	1					
June			1			1		4	4	11	4									
July						1	2	10	11	3	1									
August				1	3	2	9	5	6		1									
September					5	10	3	7	2	1										
October						1	4	4	5	5	2	1								
November								4	2	2	2	6	8	3	2	1				
December											2	1	9	6	3	5	3	1		
Year			1	1	8	15	18	34	31	25	17	21	33	25	27	43	22	4		

100 mb.

MONTH	-90 to -92	-87 to -89	-84 to -86	-81 to -83	-78 to -80	-75 to -77	-72 to -74	-69 to -71	-66 to -68	-63 to -65	-60 to -62	-57 to -59	-54 to -56	-51 to -53	-48 to -50	-45 to -47	-42 to -44	-39 to -41	-36 to -38	-33 to -35
January															1	9	18	1		
February															3	6	4			
March													1	4	6	7				
April											1	6	7	7						
May								3		6	7	2	5	1						
June						1	2	5	2	4	1									
July						2	2	5	2	2										
August				1	3		4	2												
September				3	6	4	3	2	1											
October							1	3	3	3	2		1							
November							2		2	3		1	2	4	5	1	1	1		
December												1	1	5	5	7	2	1		
Year				4	9	7	14	20	10	18	11	10	17	21	20	30	25	3		

Upper Air Frequency Table VII for Argentine Islands, 1961.

RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations in 10% ranges for all ascents :- 5

Surface

MONTH	0 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
January						3		4	11	13	
February						2	3	10	4	10	
March							6	7	5	11	2
April								6	11	11	2
May						1	2	6	12	7	2
June							1	4	9	16	
July								7	8	15	1
August							1	5	15	10	
September							4	3	9	14	
October							4	2	10	12	3
November						1	2	6	13	10	
December							1	6	10	15	
Year						7	24	66	117	144	10

900 mb.

MONTH	0 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
January					1	2	4	7	9	8	
February					1	2	4	7	5	10	
March						3	6	1	11	10	
April					1		4	3	8	14	
May					1	2	2	5	11	9	
June	1						3	3	8	15	
July						2	3	7	3	12	1
August					3	5	1	4	7	11	
September					2	1	6	6	5	9	1
October						1	1	6	10	12	1
November						4	6	6	8	8	
December						1	6	3	7	15	
Year	1				9	23	46	58	92	133	3

850 mb.

MONTH	0 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
January						2	4	6	7	12	
February			1				6	8	3	11	
March						2	1	4	11	12	1
April					1	1	1	7	7	13	
May				1	2	4		3	9	10	1
June						1	2	2	7	18	
July					1	2	4	4	6	10	1
August					9	1	1	7	5	7	1
September			2	1	1	1	4	3	5	13	
October							3	2	11	15	
November					1	4	5	8	9	5	
December	1					2	5	4	8	12	
Year	1		3	2	15	20	36	58	88	138	4

800 mb.

MONTH	0 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
January						2		7	11	11	
February			1				5	7	7	8	1
March					1	2	2	4	10	10	2
April				1	2		1	4	7	15	
May					2	2	3	3	10	9	1
June				1		1	2	2	10	12	2
July				1		5	3	3	4	11	1
August				6	4	4	2	5	4	5	1
September			3	1		1	2	3	5	15	
October					2		1	4	7	17	
November			1			2	4	8	9	8	
December						2	5	5	7	13	
Year			5	10	11	21	30	55	91	134	8

Upper Air Frequency Table VIII for Argentine Islands, 1961.

RELATIVE HUMIDITY AT STANDARD LEVELS: Number of observations in 10% ranges for all ascents :- 5

700 mb.

MONTH	0 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
January		1		1	1	4	3	6	7	8	
February		1		1	1	1	3	8	8	6	
March			3		1	2	4	3	12	6	
April			1	1	5	1	2	6	6	8	
May			1	2	3	1	3	6	7	7	
June				3	5			4	7	10	1
July		1		1	5	2	3	3	8	5	
August			7	3	4	1		4	8	4	
September		2	1		3	5	1	3	10	5	
October				1	3	2	3	5	11	4	2
November			1	1	1	2	4	10	9	4	
December		1	1	1	1	4	3	5	6	10	
Year		6	15	15	33	25	29	63	99	77	3

600 mb.

MONTH	0 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
January			1	1	6	2	4	6	10	1	
February		1		3	2	5	2	5	8	3	
March				2	3	3	2	10	9	2	
April			1	4	2	1	2	6	7	7	
May					2	3	3	7	11	4	
June			1	3	1	3	2	2	13	5	
July		1		1	4	4	4	6	7	1	
August		1	4	7	2		3	5	7	2	
September			3	2	3	4	2	9	7		
October				2	2	3	2	8	11	3	
November		1	1		6	7	4	6	6	1	
December		1	1	2	3	3	5	6	3	8	
Year		5	12	27	36	38	35	76	99	37	

500 mb.

MONTH	0 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
January				4	2	6	4	6	6	3	
February			3	1	6	3	5	3	7	1	
March				3	1	2	9	12	3	1	
April				5		4	7	7	5	2	
May				1	3	3	4	4	7	2	
June			1	4	2	2	3	8	6	2	
July			1	2	3	5	2	3	6		
August		2	6	4	2	1	4	6	3	1	
September			2	4	4	3	6	11			
October				2	5		4	12	6	1	
November		1		3	6	10	2	9	1		
December		1	2	2	2	1	7	9	8		
Year		4	15	35	36	40	57	90	58	13	

400 mb.

MONTH	0 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
January				1	3	5	6	12	2		
February			2	2	2	1	2	4	2		
March						1	2				
April				1			3	2	1		
May						1	1	1	1		
June											
July					1			2			
August			1		1	1		1			
September											
October							1				
November			1		1	1	1				
December			1	1	1	3	3	4	1		
Year			5	5	9	13	19	26	7		

Upper Air Frequency Table IX for Argentine Islands, 1961.

MONTH	Mean Wind Speed	WINDS at STATION LEVEL : Number of observations at all ascents 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	5.1	16	4	1										10	5	2	1	2		1	5	3	1	1			31
February	7.4	12	8	2										7	3	6	2	2		1	4	2	2				29
March	7.0	16	5	2										8	3	6	2		1	6	2	1			1	1	31
April	5.5	13	5	1										11	4	3	3		2	3	3				1		30
May	9.3	15	6	3	2									4	6	3	1	2	1	3	6	3			1		30
June	8.2	16	7	3										4	5	4	3	1	3	3	2	2	2	1			30
July	7.2	11	8	2										10	1	6	1	1	2	3	3	1	1	1		1	31
August	7.4	13	5	3										10	3	1				2	8	4	1		1	1	31
September	9.1	12	6	5										7	2	7		3	2	3	1	3		1		1	30
October	11.9	10	9	6	1									5	4	8	1	1	1	1	3	4	2	1			31
November	7.3	14	9	2										7	8	2	2	2		5	1	3	1			1	32
December	6.8	18	5	1	1									7	2	3	2		4	2	4	4	2	1	1		32
Year	7.7	166	77	31	4									90	46	51	18	14	16	33	42	30	12	6	5	5	368

Upper Air Frequency Tables X to XX for Argentine Islands, 1961.

Table Number	Pressure Level	Mean Wind Speed	WINDS at STANDARD LEVELS : Number of observations at all ascents 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	
X	900 mb.	8.3	28	16	1	1									2	1	3	3	1	2	5	10	16	1	1		3	48
XI	850 mb.	9.4	27	18	3											2	3	5	2	2	5	10	14	3	2			48
XII	800 mb.	11.6	22	17	9											2	9	2	1	1	3	12	14	4				48
XIII	700 mb.	15.1	17	18	6	1	3								1	3	3	2	3	2	5	8	11	7	1			46
XIV	600 mb.	19.5	11	14	13	3	4									2	3	1	3	3	3	8	11	4	3	2	2	45
XV	500 mb.	25.8	5	15	8	6	8	1								3	2		3	3	2	7	12	3	3	2	3	43
XVI	400 mb.	32.4	4	6	12	6	8	5								4		2	5	1	2	6	10	5	2	3	1	41
XVII	300 mb.	39.7	3	5	6	5	8	5	3							2	2	1	3	2	1	4	8	6	4	2		35
XVIII	200 mb.	28.4	5	4	4	4	3	4								1	2		1	1	1	2	7	6	1		2	24
XIX	150 mb.	24.3		5	2	2	1	1							1	2						2	5	1	1			12
XX	100 mb.	31.7	2	1	1	1		2									2						4	1				7

Upper Air Frequency Table XXI for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 15 metre ranges :- 22

900 mb. Mean height 729 metres. I.C.A.N. height 988 metres.

MONTH	420 to 434	435 to 449	450 to 464	465 to 479	480 to 494	495 to 509	510 to 524	525 to 539	540 to 554	555 to 569	570 to 584	585 to 599	600 to 614	615 to 629	630 to 644	645 to 659	660 to 674	675 to 689	690 to 704	705 to 719	720 to 734	735 to 749	750 to 764	765 to 779	780 to 794	795 to 809	810 to 824	825 to 839	840 to 854	855 to 869	870 to 884	885 to 899	900 to 914	915 to 929	930 to 944	945 to 959	960 to 974	975 to 989	990 to 1004	1005 to 1019	1020 to 1034	1035 to 1049	1050 to 1064	1065 to 1079	1080 to 1094
January														1	2		1	2	2			2	5	3		5	1	3	2	2														
February																1		1	2	2	3	2	2	3	5	3	1		1	1	1	1													
March											2	1	4	2	2	1	4		2		1	2	1	2		2	3	1			1													
April													1			1	2	1		1	3	2	1	1	2	1	3	2	2	4	2		1											
May								2			3	1		5	3	1	2		4		1	2	1	1			1	1	2															
June							2			2		2	1	2			3	1		2	2	2	1	2			1	4	2					1										
July								1							1			2	2	2		2		3	2	3	4	1	1	1			1	2	1	1				1				
August							1	1		1		2		1					2	1	2		1	1	1	2	1	1	3	1	1		2	2	2	1		1					
September										1		1	2		2		2	2	3	2	2		1	2	1					1	2	1	1	2		2							
October			1	1	1	1		1	3		1	2	5	2	2	2	2	1	1		1	1	1				1			1													
November						1				2		2		3	2	3	1	2	3	4		1	3		1		4																	
December									1		1		3	1	1		2	3	4	4	1	4	1	3	1	1	1																	
Total			1	1	1	2	3	5	4	6	7	11	16	17	15	9	19	15	25	18	16	20	18	21	13	17	21	13	13	11	7	2	5	6	4	4		1			1				

Upper Air Frequency Table XXII for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 15 metre ranges :– 22

850 mb. Mean height 1,172 metres. I.C.A.N. height 1,457 metres.

MONTH	870 to 884	885 to 899	900 to 914	915 to 929	930 to 944	945 to 959	960 to 974	975 to 989	990 to 1004	1005 to 1019	1020 to 1034	1035 to 1049	1050 to 1064	1065 to 1079	1080 to 1094	1095 to 1109	1110 to 1124	1125 to 1139	1140 to 1154	1155 to 1169	1170 to 1184	1185 to 1199	1200 to 1214	1215 to 1229	1230 to 1244	1245 to 1259	1260 to 1274	1275 to 1289	1290 to 1304	1305 to 1319	1320 to 1334	1335 to 1349	1350 to 1364	1365 to 1379	1380 to 1394	1395 to 1409	1410 to 1424	1425 to 1439	1440 to 1454	1455 to 1469	1470 to 1484	1485 to 1499	1500 to 1514	1515 to 1529	1530 to 1544
January														1	1	1	1	3	1			1	4	5	1	4	2	2	2	2															
February																1		2	2	1	3	3	3	2	3	5			1	1	1	1													
March											2	1	5	1	2	1	4		2		2	2		2	1	3	2			1															
April													1			1	2	1	1	1	3	1	2	1	1	3	2	1	4	2	1	1	1											
May							1		1	2	2	1	3	4	2	2	1	2	1		3		1			1	1	1	1																
June					1		1		1	1	1		3	1		2	2	1	1	1	2	2	2				5	2						1										
July							1								1	1	1	3	1			1	2	3	3	4	2	1		1		1		2	1	1					1			
August						1	1			1	1	1	1					3	2			1	1	1	2	1	1		3	2		1	1	2	2	1		1					
September									1		1	1	1		2	1	1	3	3	2	1	1	2	1					1	2		2		2		2								
October			1	1	2	1		1	1	2	1	5	2	2	1	3	1	1	2		1		1			1				1														
November					1					2	1	1		3	2	2	3	3	4	1	1	1	2	1		3	1																		
December								1			1	1	2	1	1		2	4	3	4	3	1	2	4		2																			
Total			1	1	4	2	4	2	4	8	10	11	18	13	12	15	18	26	23	10	19	14	22	20	11	27	16	7	12	12	2	6	2	7	3	4		1			1				

Upper Air Frequency Table XXIII for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 15 metre ranges :- 22

800 mb. Mean height 1,639 metres. I.C.A.N. height 1,949 metres.

MONTH	1335 to 1349	1350 to 1364	1365 to 1379	1380 to 1394	1395 to 1409	1410 to 1424	1425 to 1439	1440 to 1454	1455 to 1469	1470 to 1484	1485 to 1499	1500 to 1514	1515 to 1529	1530 to 1544	1545 to 1559	1560 to 1574	1575 to 1589	1590 to 1604	1605 to 1619	1620 to 1634	1635 to 1649	1650 to 1664	1665 to 1679	1680 to 1694	1695 to 1709	1710 to 1724	1725 to 1739	1740 to 1754	1755 to 1769	1770 to 1784	1785 to 1799	1800 to 1814	1815 to 1829	1830 to 1844	1845 to 1859	1860 to 1874	1875 to 1889	1890 to 1904	1905 to 1919	1920 to 1934	1935 to 1949	1950 to 1964	1965 to 1979	1980 to 1994	1995 to 2009
January															1	1	2	1	2	1		1	1	6	2	2	4	2	2	2	1														
February																	1		3	2	2	4	1	4	2	3	3		1	1		2													
March											1	1	6	1	1	1	4	1	2		1	2	2		2	1	4			1															
April													1				2	2	1	1	2	2	2	1		4	1	2	3	3		1	1	1										
May							1		3		2	2	2	2	2	2	3	1		2	3			1		2		1	1																
June				1				2			2	1	2	1	2		3	1		1	2	4			1	1	3	2					1											
July							1								2	2	1		2			1	3	2	3	2	4	1		1		1	1	1		1	1				1			
August						1	1			2		2						5			1		1	1	3			1	1	4		1		1	3	2			1				
September									2			1	1	1	1	1	1	2	3	3	1	1		3				1		2		2	1	1			2						
October				2	1	1		2	1	4		4	1	3	1	3	1		3		1			1		1				1													
November						1				1	2	1		3	2	2	3	2	4	2	1	1		2	2	1	1	1															
December									1		1	1	1	1		2	3	1	4	4	3	2	1	3	2	1	1																
Total				3	1	3	3	4	7	7	8	13	14	12	12	14	24	16	24	16	17	18	11	24	17	18	21	11	8	15	1	7	4	4	3	3	3		1			1			

Upper Air Frequency Table XXIV for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

700 mb. Mean height 2,651 metres. I.C.A.N. height 3,012 metres.

MONTH	195 to 197	198 to 200	201 to 203	204 to 206	207 to 209	210 to 212	213 to 215	216 to 218	219 to 221	222 to 224	225 to 227	228 to 230	231 to 233	234 to 236	237 to 239	240 to 242	243 to 245	246 to 248	249 to 251	252 to 254	255 to 257	258 to 260	261 to 263	264 to 266	267 to 269	270 to 272	273 to 275	276 to 278	279 to 281	282 to 284	285 to 287	288 to 290	291 to 293	294 to 296	297 to 299	300 to 302	303 to 305	306 to 308	309 to 311	312 to 314	315 to 317	318 to 320	321 to 323	324 to 326	327 to 329
January																					3	4	1	2	7	5	4	4	1															
February																					2	3	4	8	2	6	1	1	1	1														
March																		3	6	2	4	2	3	4	3	3	1																	
April																			1		1	4	3	4	3	4	4	3		3														
May																1	1	2	3	5	6	3	1	3		3		2																
June														1			2	1	1	5	3	2	1	5	2	2	3	1		1														
July																1			2	3			3		4	4	5	3	1	1	1	1	1		1									
August																2	1		2	1	1	4	1		3	2	2	1	3	1	3	3	1											
September																	1	1	1	3	1	2	7	3	1	1	1	2	1	3		2												
October															1	3	2	3	4	4	5	3	2	1	1	1		1																
November																	1		4	3	5	5	5	2		4	2	1																
December																		1	1	2	1	5	5	7	3	5	2																	
Year														1	1	7	8	8	21	33	24	34	38	32	32	37	33	21	13	8	8	6	2		1								

Upper Air Frequency Table XXV for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges: — [22]

600 mb. Mean height 3,801 metres. I.C.A.N. height 4,206 metres.

MONTH	309 to 311	312 to 314	315 to 317	318 to 320	321 to 323	324 to 326	327 to 329	330 to 332	333 to 335	336 to 338	339 to 341	342 to 344	345 to 347	348 to 350	351 to 353	354 to 356	357 to 359	360 to 362	363 to 365	366 to 368	369 to 371	372 to 374	375 to 377	378 to 380	381 to 383	384 to 386	387 to 389	390 to 392	393 to 395	396 to 398	399 to 401	402 to 404	405 to 407	408 to 410	411 to 413	414 to 416	417 to 419	420 to 422	423 to 425	426 to 428	429 to 431	432 to 434	435 to 437	438 to 440	441 to 443
January																						1	2	3	4	3	6	4	3	4	1														
February																					1	1	1	3	6	7	3	3	1	1	1	1											
March																		1	3	4	3	3	2	5	3	2	2	2	1														
April																				1		1	4	4	3	3	2	5	3	1		2	1										
May															2		1	3	3	6	6	1	2	1		2	1	1	1														
June													1			1	1	2	3	2	4	2	2	5	1	2	2	1		1													
July															1	1	1	1	1	1		1	1	2	4	1	5	4	1	2	1	1			1		1						
August																3			1	3	3	2		1	1	3	2	1	2	1	2	5		1									
September																1		1	2	2	3	1	5	3	2	2		2	1	2	1	1	1										
October															1	4	3	3	3	3	5	3	1	2	1	1		1															
November																	1		5	4	5	4	4	2	1	3	1	1	1														
December																		1		2	1	6	4	5	4	4	4	1															
Year													1		4	10	7	12	21	28	31	26	28	36	30	33	28	26	14	12	6	10	2	1	1		1						

Upper Air Frequency Table XXVI for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:—

500 mb. Mean height 5,100 metres. I.C.A.N. height 5,574 metres.

MONTH	438 to 440	441 to 443	444 to 446	447 to 449	450 to 452	453 to 455	456 to 458	459 to 461	462 to 464	465 to 467	468 to 470	471 to 473	474 to 476	477 to 479	480 to 482	483 to 485	486 to 488	489 to 491	492 to 494	495 to 497	498 to 500	501 to 503	504 to 506	507 to 509	510 to 512	513 to 515	516 to 518	519 to 521	522 to 524	525 to 527	528 to 530	531 to 533	534 to 536	537 to 539	540 to 542	543 to 545	546 to 548	549 to 551	552 to 554	555 to 557	558 to 560	561 to 563	564 to 566	567 to 569	570 to 572
January																						2			5	5	4	5	2	3	4	1													
February																				1	1		2	5	3	5	5	3		1	1	1		1									
March																	2	3	2	3	2	3	2	4	5		1	2	1	1														
April																			1			3	5		7		2	3	4	2			2	1									
May														1	1	1		3	4	7	1	3	2	1	3			1	1	1														
June													1			1	1	4	2		5	3	2	3	1	3		2	1		1					1		1						
July															2	1	2		1		1		2		3	3	1	5	3	2	1		2										
August															2		1		2	1	4	2		1		4		3		2		4	3	2									
September															1			2	1	4	1	1	3	5	1	2	1	1	2	1	2		1	1									
October															1	3	3	5	2	4	3		4	2	1	1	1		1														
November																		1	3	8	3	3	4	2	2		2	1	2		1												
December																		1			2	3	5	3	4	4	5	2	3															
Year													1	1	7	6	7	18	18	27	24	18	30	26	21	40	20	26	26	13	13	9	8	5	2		1		1					

Upper Air Frequency Table XXVII for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

400 mb. Mean height 6,635 metres. I.C.A.N. height 7,185 metres.

MONTH	597 to 599	600 to 602	603 to 605	606 to 608	609 to 611	612 to 614	615 to 617	618 to 620	621 to 623	624 to 626	627 to 629	630 to 632	633 to 635	636 to 638	639 to 641	642 to 644	645 to 647	648 to 650	651 to 653	654 to 656	657 to 659	660 to 662	663 to 665	666 to 668	669 to 671	672 to 674	675 to 677	678 to 680	681 to 683	684 to 686	687 to 689	690 to 692	693 to 695	696 to 698	699 to 701	702 to 704	705 to 707	708 to 710	711 to 713	714 to 716	717 to 719	720 to 722	723 to 725	726 to 728	729 to 731
January																						2		1	3	1	6	7	1	2	2	5	1												
February																			2			2	3	2	4	4	3	5		1	1		1		1									
March															1	3	3	1	1	4	1	4	1	4	3		2	1	1			1												
April																1				1	2	4	2	2	4	2	3	2	3	1			1	2										
May										1		2		3	1	2	7	2	1	3		1	1	2	1			1		2														
June										1				1	5	2	1	2	4	4	2	2	1		2	1			1	1														
July											2	2		1		1		1		2			2	4	1	2	3	3	3			2				1		1					
August												2			1	2		2	4	1		1	2	1	1	2	2	1		3	2	3		1									
September												1			1	3	2	2	1	3	3	2	1	2	2		2	1	2		1	1											
October												1	1	4	4	2	4	2	3	1	1	2	3	1		1		1															
November																3	4	6	3		6	1	2	1	1	1	2	1		1													
December																	1			4	5	2	4	4	4	2	2	2	2														
Year										2	2	8	1	9	13	19	22	18	19	23	20	23	22	24	26	16	25	26	13	10	6	12	2	2	3		1		1					

Upper Air Frequency Table XXVIII for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges:— [22]

300 mb. Mean height 8,510 metres. I.C.A.N. height 9,164 metres.

MONTH	792 to 794	795 to 797	798 to 800	801 to 803	804 to 806	807 to 809	810 to 812	813 to 815	816 to 818	819 to 821	822 to 824	825 to 827	828 to 830	831 to 833	834 to 836	837 to 839	840 to 842	843 to 845	846 to 848	849 to 851	852 to 854	855 to 857	858 to 860	861 to 863	864 to 866	867 to 869	870 to 872	873 to 875	876 to 878	879 to 881	882 to 884	885 to 887	888 to 890	891 to 893	894 to 896	897 to 899	900 to 902	903 to 905	906 to 908	909 to 911	912 to 914	915 to 917	918 to 920	921 to 923	924 to 926
January																					2	1		3	1	5	3	3	3	1	6	2	1												
February																1	1		3	3	2	2	2	3	3	4	1	1	1			1		1										
March												1	3	2	2		1	5		4	3	3		3		2	1						1											
April															1		1		1	4	3	2	3	3	2	2	2	3				1	1	1										
May							1		2	2	2	3	1	5	1	3	2		1		1		2	1		1				2														
June							1				4	2	4	2	2	3	2	3	1		1	1	1	1		2																		
July						1	1	1	1			2	1			1	1			2	2	2	2	3	2	1	4			1	1					1		1						
August								2			1	1	1	1	2	3			3	1	1	1	1	2	1	1	2	3	3			1												
September									1			3	2	1	2	1	5	2	2		2	1	1	2		1	2	1		1														
October									2	2	2	5	1	3	4	2	1		1	2	2	1		1	1																			
November										1			2	2	6	5	1	4	1	3	1		1		2	1		1	1															
December																1	1	2	4	4	3	4	5	2		1	2	3																
Year						1	3	3	6	5	9	17	15	16	20	19	16	17	14	23	24	18	18	23	12	20	20	15	8	6	7	3	3	2	2		1		1					

Upper Air Frequency Table XXIX for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges :— [22]

200 mb. Mean height 11,060 metres. I.C.A.N. height 11,784 metres.

MONTH	1044	1047	1050	1053	1056	1059	1062	1065	1068	1071	1074	1077	1080	1083	1086	1089	1092	1095	1098	1101	1104	1107	1110	1113	1116	1119	1122	1125	1128	1131	1134	1137	1140	1143	1146	1149	1152	1155	1158	1161	1164	1167	1170	1173	1176
January																											3	1	2	1	4	5	7	5	2		1									
February																								2	2	4	2	2	6	4	3		2			1	1								
March																	1	2	1	3	1	2	5		5	4	2	1		1	1								1							
April																				1	4	2		3		5	5	5	2						1	2										
May								1	1	1	2	2	3	3	3	2	2	1	1			1	1	2	1		1			1	1															
June									3	2	2	2	6			5	1		2	2	1	1			1	1																				
July				1		1	1		1			3	1				1	2	1	3	2	1	2	2	3		1	1		1	1							1		1					
August							2		1		1	3		3	1	2	1			3		1	2	4	1	3	1		1			1												
September									1	2	2	3	2	3	3	1	1		3	1		1	2	2	1				1															
October									3	4	2	2	2	4		2	2	1	1	2	1			1																					
November							1					2	2	2	2	2	2	5	2		3		1	1	1		2	2		1														
December																		1		1	3	3	3	5	2	2	3	2	2	2	1														
Year				1		1	4	1	10	9	9	17	16	15	9	14	11	12	11	16	15	12	16	22	17	19	20	14	14	11	11	6	9	5	3	3	3		2						

Upper Air Frequency Table XXX for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges :—[22]

150 mb. Mean height 12,870 metres. I.C.A.N. height 13,608 metres.

MONTH	1197	1200	1203	1206	1209	1212	1215	1218	1221	1224	1227	1230	1233	1236	1239	1242	1245	1248	1251	1254	1257	1260	1263	1266	1269	1272	1275	1278	1281	1284	1287	1290	1293	1296	1299	1302	1305	1308	1311	1314	1317	1320	1323	1326	1329	1332	1335	1338	1341	1344	1347	1350	1353	1356	1359	1362	1365	1368	1371	1374
January																																									3	1	2	5	4	8	4	1		1												
February																																						2	1	2	2	4	3	5	3			1			1										
March																														1	1		4		5	2	3	4	3		1	1	1					1												
April																														1	2	1	3	2		1	2	5	7	2				1	1	1														
May																1	1		1		2	2	2	1	4	2	1	2				1	2		1	2		1																								
June										1						2	1		2	4	3		1	2	2		3	1	1			1	1																													
July											1			2			1		2	1	1		1	3	1	2	1	3	2	1	1	1	1	1				1			1		1																				
August													1		2		2		2	1	2	1		1		1	3	2		4	1	1	1	1			1																										
September															1	2	4	2	4	2	2		1	2	2	1		3			1				1																												
October																3	3	1	4	1	2		2	1	1	2	2																																			
November													1						1	3			1	3	2	2	1	2	3	1	1	1	1	1	2	1	1			1		1		2																	
December															1														1	2	2	1	3		7	1	3	2	2		3		2																
Year										1	1		2	2	4	8	12	3	16	12	12	3	7	11	14	9	12	11	8	11	9	7	16	5	16	7	12	14	14	5	12	6	11	9	5	9	5	1	1	2								

Upper Air Frequency Table XXXI for Argentine Islands, 1961.

HEIGHT AT STANDARD LEVELS : Number of observations at all ascents in 30 metre ranges :— 22

100 mb. Mean height 15,420 metres. I.C.A.N. height 16,180 metres.

MONTH	1452	1455	1458	4161	1464	1467	1470	1473	1476	1479	1482	1485	1488	1491	1494	1497	1500	1503	1506	1509	1512	1515	1518	1521	1524	1527	1530	1533	1536	1539	1542	1545	1548	1551	1554	1557	1560	1563	1566	1569	1572	1575	1578	1581	1584	1587	1590	1593	1596	1599	1602	1605	1608	1611	1614	1617	1620	1623	1626	1629
January																																													2	4	3	2	9	4	3	1	1					
February																																								1		1		2	1		3	3	2														
March																																			1	1	2	2	3	2	2	2	2		1																		
April																																2	1		1	2	1	2	1	3	3	4				1																
May												1		1		1				1	2	1		3	2	2		1	1	1		1	1	1	2		2																											
June											1	1			1	2	2	2					1	1		2			1	1																																		
July					1									2	1			1				2				2					1								1																								
August															1	1	1				1	1			1	1			1			1																																
September							1	2	2	1	1		1	3		1	1		1	1	2				1							1																																
October											1	1	2	2		1	2			1			1	2																																									
November								1							1		1		1			1			1	2			2		2	2	1		2	1	1		1		1				1			1												
December																															2	1			1	2	2	1	3	4					3		2	1											
Year					1		1	3	2	1	3	3	3	8	4	6	7	3	2	3	5	5	2	6	5	9	2	2	3	4	6	6	2	3	6	6	8	6	7	12	5	7	2	3	5	1	8	8	5	2	9	4	3	1	1				

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