

AUSTRALASIAN ANTARCTIC EXPEDITION  
1911-14.

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UNDER THE LEADERSHIP OF SIR DOUGLAS MAWSON, O.B.E., D.Sc., B.E., F.R.S.

SCIENTIFIC REPORTS.

SERIES B.

VOL. III.

METEOROLOGY.

TABULATED AND REDUCED RECORDS  
OF THE  
MACQUARIE ISLAND STATION.

RECORDERS:

G. F. AINSWORTH, H. POWER, AND A. C. TULLOCH,  
Officers of the Commonwealth Meteorological Service assigned by Mr. H. A. Hunt, Director,  
to conduct the observations.

REDUCTION AND TABULATION OF DATA.

By direction of Mr. H. A. Hunt, and under Superintendence of

B. W. NEWMAN,

Member of the Staff of the Commonwealth Meteorological Bureau.

WITH FOUR PLATES, TWO FIGURES IN TEXT, AND THIRTEEN TABLES.

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## PREFACE TO METEOROLOGICAL PUBLICATIONS.

THIS is the first of a series of volumes dealing with the Meteorological data accruing from the labours of the Expedition. It was not until the year 1923 that financial provision was made to cover the cost of tabulation and reduction of the records. This was rendered possible through the good offices of Mr. H. A. Hunt, the Director of the Commonwealth Meteorological Service, who has fathered the Meteorological work of the Expedition from the inception of the enterprise.

The tabulated data is so voluminous that it has been found convenient to publish it in three separate volumes namely Vols. III, IV, & V of Series B.

The present Volume (Vol. III) incorporates the records of the Macquarie Island Station. Volume IV deals with the data of the Cape Denison Station, Adelie Land. Volume V includes first, the records of the Queen Mary Land Station ; secondly, the Meteorological loggings of the S. Y. *Aurora* made on three Antarctic and two Sub-antarctic cruises ; thirdly, meteorological notes made on numerous sledging journeys from the Antarctic Bases.

The discussion of the records thus tabulated and printed will constitute a fourth volume.

When organising the Expedition I found that nobody was more seized with the importance of extending meteorological observations in the Australasian Antarctic and Sub-antarctic than Mr. H. A. Hunt. The possible influence of that region upon the climate of the more temperate regions to the north was a problem of real interest to Australians and New Zealanders. There was already available much knowledge relating to the Ross Sea region, but practically nothing whatever of the immense region to the west, which is not only nearer, but on account of its more westerly situation, is better placed in regard to Australia and New Zealand to exert influence over their climate. The Ross Sea region is in higher latitudes and on account of the prevailing west to east drift of anti-cyclonic disturbances, the disturbances thereabouts, in so far as exerting an effect upon the meteorological conditions in temperate latitudes, would be expected to exert a maximum influence only in regions to the east of New Zealand.

In view of the importance of extending meteorological knowledge of the Southern Regions; therefore, Mr. Hunt heartily co-operated in the programme, and strongly recommended the establishment on Macquarie Island of a meteorological recording station with a wireless installation capable of despatching daily reports to Melbourne,

These reports were to be incorporated in the daily weather forecasts, with a view to ascertaining the value of such a station in that regard. Through Mr. Hunt, general instructions for meteorological records were drawn up and certain members of the expedition given short training in the work. The Expedition's meteorological programme, beside establishing a recording station on Macquarie Island and providing for loggings on board the ship, included the establishment of several scattered stations on the up-till-then unknown sector of the Antarctic Continent between Cape Adare and Gauss Berg. The securing of contemporaneous data from these widely scattered locations was a feature of importance which was further enhanced by the fact that Scott's *Terra Nova* Expedition and Amundsen's *Fram* Expedition to the Ross Sea were also operating during the early portion of our effort.

In view of the immediate importance of the Macquarie Island Station, Mr. Hunt loaned one of his officers, Mr. G. F. Ainsworth, to act as meteorologist at the Island Station. Subsequently, on the expiration of the Expedition, Mr. Hunt decided to take over and continue that Station. Accordingly, after two years of never-failing vigour and duties splendidly executed, Mr. Ainsworth was relieved early in December, 1913, and his place taken by Mr. H. Power who, with two others, continued the Station for the Commonwealth Meteorological Service. At the end of November, 1914, Mr. Power was relieved by Mr. A. C. Tulloch, the relief being effected by the Commonwealth Fisheries Steamer *Endeavour*. On account of the war, so great difficulty was now experienced in securing a vessel for the annual relief of the Station that it was decided to temporarily close it. Accordingly Mr. A. C. Tulloch and his two companions were withdrawn in December, 1915. On the departure of Tulloch's party, the Living Hut with certain equipment and the wireless huts and their equipment and masts were left with the expectation of use at some future time. But the war dragged on so long and the financial strain became so great that all thoughts of continuing the Station faded away and has never again been realised.

As the additional records secured by Mr. Hunt's Department during the regime of Messrs. Power and Tulloch are of very great value in the discussion of the Expedition's meteorological data, they have been made available and incorporated herewith.

It is with deep regret that we recall the death of Harold Power who was lost on board the *Endeavour* which disappeared with all hands on the return voyage from Macquarie Island, after landing Mr. Tulloch. The vessel and the entire crew disappeared in those tempestuous seas without leaving any trace. In that disaster Meteorological Science not only lost an enthusiast in Mr. Power but also the detailed observations accumulated by him throughout the year of his office which records were on board with him. All that remains of that period are the daily summaries communicated by him per wireless telegraph to the central Commonwealth Meteorological Office.

At the Main Base Station in Antarctica, which was located at Cape Denison, Adelie Land, the meteorological instruments were erected as soon as possible after landing the

party. My previous experience in Antarctica was very beneficial in securing the best lay-out of the instruments to meet the exigencies of the special circumstances presented in so remarkable a climate. After the routine of recording was well established, Mr. C. T. Madigan was thereafter appointed Chief Meteorologist which post he occupied with great credit throughout the two years occupation. The Meteorological Records were conducted with great system and perfect regularity throughout that time. The information obtained is unique in that it deals with an area which, it would appear, is the most windy spot on the earth's surface. This is obviously owing to the situation of the Station on the seaward-sloping margin of an elevated circumpolar ice plateau of continental proportions. Under these circumstances, the incessant wind at low temperatures, the routine of observations and attention to the instruments was rendered particularly difficult and at times hazardous in the case of the more distant instruments. A general idea of the conditions experienced and of the difficulties which faced the meteorologist are recounted in "The Home of the Blizzard," the popular story of the Expedition. What is certain in my mind is that like difficulties have never yet been experienced in the same degree at any other meteorological station. The bare records in their unfailing regularity are an epic in meteorological achievement and confer a high degree of credit upon Mr. Madigan and his assistants.

At the Queen Mary Land Station (the western base) a somewhat restricted programme as compared with that operating at the Main Base and at Macquarie Island was conducted by Mr. M. H. Moyes, meteorologist in charge. Although he had not the scope offered at the other bases, owing to limitations in instruments and of assistance due to the smallness of the party, Moyes has supplied us with a twelve-month period of valuable records. This was a most creditable performance, especially in view of the fact that most of the energy of the Western Base Party was given to slogging efforts.

On board the S. Y. *Aurora* a regular ship's meteorological log was maintained by the officers through all Antarctic and Sub-antarctic cruises. These voyages covered wide expanses of ocean concerning much of which accurate meteorological data were almost entirely wanting.

The data accumulated at all these stations has now been elaborated for publication, the cost being defrayed by money granted for the purpose by the Commonwealth Government to the Meteorological Bureau. For this work temporary clerical assistance had to be employed. Mr. Hunt arranged for the work of reduction and tabulation to be done at the Adelaide, and Mr. E. Bromley there in charge deputed supervision of the temporary clerks to Mr. B. W. Newman. In this work Mr. Newman took a great interest, but had a very unenviable task for some of the temporary clerks were unsuitable for the work, and the restrictions of the Public Service Act did not allow of free selection. This fact greatly delayed the work and called for an undue amount of checking. Many clerical errors were not detected until the tables were set up in print. Thus further delays arose and much work was thrown upon myself, Mr. C. T. Madigan, and my assistant, Mr. Brock, in checking the means in the tabulated data.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

The instruments used in this work at the various stations were principally purchased from the firm of Negretti and Zambra. Others were received on loan from the Commonwealth Meteorological Bureau and the Meteorological Office, London.

Apart from a supreme indebtedness to Mr. H. A. Hunt for the large part played by him throughout, the accomplishment of the meteorological programme owes much to advice and assistance tendered by other authorities. Foremost amongst these is Sir Napier Shaw, Director of the British Meteorological Office at the time of our preparations. We should like to acknowledge here also the courtesy and assistance rendered by Mr. E. Bromley of the Commonwealth Meteorological Staff for advice received from time to time. We are also indebted to Dr. G. C. Simpson and Dr. F. J. W. Whipple of the British Meteorological Office, and to Dr. H. R. Mill.

D. MAWSON.

# AUSTRALASIAN ANTARCTIC EXPEDITION.

## SCIENTIFIC RESULTS

### METEOROLOGY.

#### RECORDS OF THE MACQUARIE ISLAND STATION.

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## PLATE I.

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Fig. 2.—The Commonwealth Government party that manned the Station from December, 1914, to December, 1915. On the left Mr. A. C. Tulloch, the Meteorologist-in-Charge. In the centre is Mr. F. J. Henderson, wireless operator, who was then spending his second year at the Station. Photo by *F. J. Henderson*.

## PLATE II.

Fig. 1.—The Commonwealth party that manned the Station from December, 1913, to December, 1914. In the centre is Harold Power, Meteorologist-in-Charge, who after successfully completing the year at the Island lost his life in the foundering of the vessel during the return voyage. On the left is F. J. Henderson, wireless operator. Photo by *A. C. Sandell*.

Fig. 2.—Cloud “ tablecloth ” spread over the highlands of Macquarie Island.  
Photo by *D. Mawson*.

## PLATE III.

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Fig. 2.—The Expedition Hut and vicinity at the north end of the spit, looking north-west from the slopes of "Wireless" Hill. Photo by *P. Correll*.

## PLATE IV.

Fig. 1.—The Wind-recording instruments installed on the spit, Macquarie Island. Photo by *L. R. Blake*.

Fig. 2.—The Meteorological Screen installed on the spit, Macquarie Island. Photo by *L. R. Blake*.

# RECORDS OF THE MACQUARIE ISLAND STATION.

## INTRODUCTORY REMARKS.

### I.—RELATING TO THE REDUCTION AND TABULATION OF THE METEOROLOGICAL RECORDS OF THE EXPEDITION.

(BY B. W. NEWMAN.)

By arrangement with Mr. H. A. Hunt, Director of the Commonwealth Meteorological Service, the tabulation of all the meteorological data of the expedition was performed in the Adelaide Bureau in 1923 and 1924 by a staff of temporary employees under my supervision. The data is exhaustive, and the records were well taken considering the rigorous climatic conditions to which the instruments were subjected. In this respect the Macquarie Island instruments did not suffer to the extent to which those at the Antarctic bases were affected, owing to the added trouble there of drifting snow transported by hurricane winds.

All *Barometer Readings* were corrected for Index Error and reduced to M.S.L., standard gravity and 32° Fahrenheit. The Daily Mean appearing in the tables is the twenty-fourth part of the sum of the values for hours 1 a.m. to 11 p.m., plus half the sum of the 0 a.m. and 24 hour (midnight) reading.

The records from a Pastorelli and Rapkin weekly instrument were used to obtain hourly pressures, the visual observations at 9 a.m., 3 p.m., and 9 p.m. having been used as fiducial points. The traces on the whole were good, and as there were at times large ranges in pressure this data is considered to be highly valuable. Oscillations were shown at times in the traces during heavy gales.

The *Thermograph Records* were at times mediocre, and, on one or two occasions, the instrument was clogged with snow.

Hourly *Vapor Pressures* given in Table IV were taken to three places to be consistent with present methods, but the reader is reminded of the probable errors involved.

From Simpson's Indian Tables a table was constructed with Relative Humidity and Dry Bulb as ordinates, from which the Vapor Pressure was obtained. Relative Humidities from dry and wet bulb thermometers were calculated for the visual observations, and used as correction points for obtaining hourly values from the hygrograph. Then from these hourly values and those of dry-bulb temperature obtained in a similar manner, the hourly vapor pressure was deduced from the constructed table.

Any erratic working of the self-recording instruments could only be adjusted accordingly from corrections at fiducial points. It was in consequence of such probable errors, accentuated by absence of wet-bulb readings and failure of the hygograph through snow drift that I suggested the futility of tabulating hourly vapor-pressure for Adelie Land.

*Hourly Wind Velocities* were obtained from a Dines' Pressure Tube Instrument (Anemobiograph), taking the velocity as the mean of the ribbon. For a short time a small Robinson Cup Anemometer was in use and the total 24-hour run is given in the table.

Maximum gusts appearing in some of the months are rather doubtful records. The registrations were obtained from different devices constructed by the meteorologist on the island, and were of a somewhat experimental nature.

Table VI Percentage Frequency, Wind Direction and Velocity may require some explanation. The column after midnight named "Frequency Percentage of Whole Day" was obtained from the total of the Hourly Percentage Frequencies divided by the number of hours of observations, giving the Mean Hourly Percentage Frequency.

The next column, "Velocity Average of Greatest Frequency" is the velocity at that hour at which the percentage frequency was the greatest. If two or more hours had equal maximum frequencies, then the mean velocity at these hours was taken, viz., north wind in March, 1915, at 11 a.m. and noon, the frequencies are the same and the highest of all hours; the velocity of 23.4 is then the mean of 21.8 and 25.0 miles per hour.

The Monthly Summary (Table VII) was obtained from Table VI, column per column, viz., the monthly set of columns in the summary was obtained from the last set of columns from Table VI. The hourly columns in the Monthly Summary give that wind direction which had the greatest percentage frequency at that hour in the given month together with its velocity.

In the monthly columns the frequency is that of the wind with the greatest mean daily frequency. The principle in this table is to emphasise the prevailing wind direction and to give the conditions of velocity of this prevailing wind, as preferable to giving Resultant and Mean Wind which are often misleading.

*Hourly Sunshine* is given chiefly for consistency of tabulation. Although it is obvious that very little sunshine was experienced, the results do not indicate the true conditions of this element. In the first place, the sunshine cards were only the 12-hour type; secondly, the intensity of insolation was often so weak that the cards failed to burn; and, thirdly, in midwinter a hill some 400 feet high prevented the sun from shining on the station until almost noon. Mr. Tulloch, however, removed the sunshine recorder to Wireless Hill during his régime in 1915.

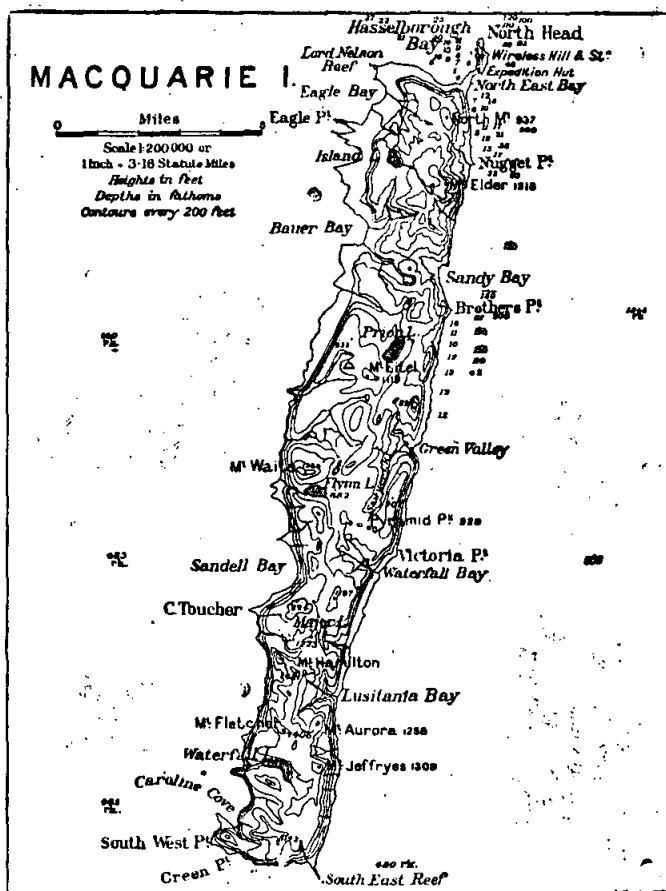


Fig. 1.—Map of Macquarie Island.

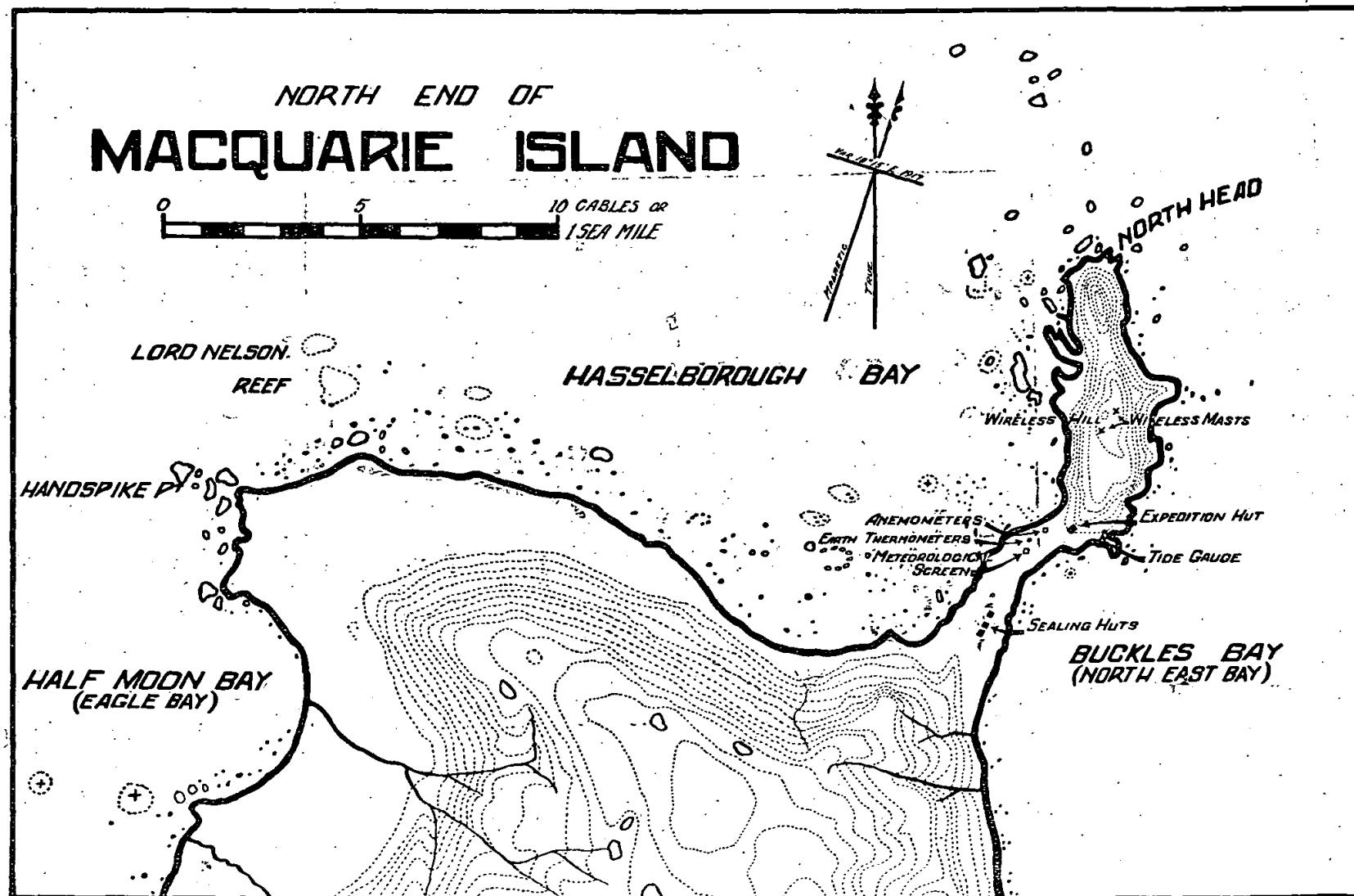


Fig. 2.—The North end of Macquarie Island, showing location of Instruments.

No *Rainfall Registrations* were available in the first period, but the frequency of rain days can be gathered from the daily weather synopses in Table XI. Mr. Tulloch in his report noted 339 rainy days in 1915, yielding 45.86 inches, the rain consisting for the most part of light misty showers and cold snow showers. Mr. Tulloch also remarked on the difficulty of obtaining accurate snow registrations owing to strong winds. The snow gauges originally provided in the expedition equipment had, in fact, been utilised by Mr. Ainsworth in the construction of a tide-gauge pipe.

With respect to rainfall, however, Mr. Tulloch, after close observation, found that the amount of moisture deposited in the rain gauge from sea spray was negligible, and was more than counter-balanced by loss of precipitation due to the wind, evidently a point previously responsible in part for the failure to take rain records.

Disparity in cirrus *Cloud Observations* was due to obscured view owing to prevalence of low cloud from the preceding storm.

The cloud nomenclature and cloud amount scale, 0 clear to 10 overcast are according to International Codex.

Table XIV consists of a number of records taken by Mr. L. R. Blake, geologist, while carrying out some field work on the south end of the island. The letters refer to survey marks, and, if desired, their localities may be found in the volume on Cartography.

In all the observations Mean Local Time was observed and directions are given true.

## II.—THE LOCATION AND LAY-OUT OF THE MACQUARIE ISLAND STATION.

(Notes by D. MAWSON).

The location of the meteorological observing station at Macquarie Island is shown on the accompanying map (Fig. 2). The island is some 22 miles in length, and has a maximum width of about  $3\frac{1}{2}$  miles. The long axis is directed nearly north and south, and therefore across the direction of prevailing westerly winds and ocean current. Almost everywhere it rises abruptly from the sea to a height of about 700 feet, leading to a region of hills and valley lakes ranging upwards to an extreme height of 1,421 ft. in Mount Hamilton.

The island terminates at the north end in an isolated and abrupt eminence of moderate dimensions, known as Wireless Hill (350 ft.), which is connected with the main land mass by a low spit (Plate III, Fig. 1) largely constituted of shingle and gravel.

It was upon this spit that the living quarters of the Expedition Party were erected, and adjacent to it the various meteorological instruments were set up in suitable locations. On the summit of Wireless Hill, the "wireless" receiving and despatching

station was erected, from which the daily weather report was broadcasted. Plate III, Fig. 2, is a photograph taken from the foot of Wireless Hill looking south-west across a portion of the spit and over Hassleborough Bay to the towering main land mass. In the near view is seen the Expedition living hut ensconced in the lee of a projecting rocky outcrop. To the left, on the flat spit, in the middle view is the thermograph screen showing white in the picture.

Neither the Hut nor the Thermograph Screen appear in Plate III, Fig. 1, for the shoulder of Wireless Hill, forming the foreground on the left side of the picture, cuts off from view the north end of the spit.

The screen standing on the tussock grass-covered spit is well shown in Plate IV, Fig. 2. The screen was of the standard type employed in the Commonwealth Meteorological service.

The wind recording instruments were established some little distance away, where they were freely exposed to all winds. They are shown in Plate IV, Fig. 1, securely erected amongst a patch of rocks on the spit.

On the right is a anemo-biograph, and on the left a Robinson-type cup-anemometer.

The barometer and barograph were housed in the living hut at an elevation of 30 feet above sea-level.

The location of the station is approximately latitude  $54^{\circ} 30'$ , longitude  $158^{\circ} 57'$ , and Local Mean Time was observed.

The climate, though not glacial, is very wet and cold. The temperature ranges between narrow limits round about  $40^{\circ}$  F. The average temperature for the coldest month differing from that of the hottest by only about 6 degrees.

Mists and fogs are prevalent, and on this account mariners need to be careful in approaching the neighbourhood of the island, specially in winter time. In otherwise clear weather, it is a common occurrence to find a "tablecloth" spread over the highlands owing to condensation of vapour carried by moist winds as they blow up and over the island. This is well illustrated in Plate III, Fig. 2.

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TABLE I.  
ATMOSPHERIC PRESSURE.

Barometer 30 feet above sea-level.

Covering periods 1st January, 1912, to 30th November, 1913, and 1st December, 1914,  
to 30th November, 1915.

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## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMÈTER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	...	...	...	...	...	...	...	...	29.003	29.065	29.097	29.283	29.305	29.347	29.374
2	29.542	29.557	29.562	29.577	29.577	29.577	29.582	29.582	29.576	29.576	29.570	29.567	29.560	29.549	29.543
3	29.433	29.415	29.402	29.378	29.372	29.367	29.359	29.347	29.336	29.336	29.338	29.328	29.315	29.308	29.300
4	29.259	29.259	29.253	29.249	29.249	29.228	29.228	29.191	29.135	29.105	29.095	29.010	28.995	28.977	29.004
5	29.159	29.159	29.163	29.171	29.193	29.218	29.244	29.268	29.295	29.325	29.348	29.368	29.378	29.308	29.432
6	29.455	29.455	29.445	29.445	29.469	29.475	29.475	29.482	29.491	29.510	29.530	29.537	29.543	29.525	
7	29.594	29.594	29.601	29.599	29.599	29.597	29.589	29.575	29.537	29.518	29.509	29.489	29.482	29.467	29.464
8	29.572	29.582	29.582	29.613	29.633	29.669	29.693	29.705	29.710	29.713	29.721	29.720	29.752	29.775	29.790
9	29.782	29.753	29.734	29.709	29.704	29.685	29.665	29.655	29.645	29.628	29.601	29.596	29.596	29.593	29.547
10	29.450	29.450	29.440	29.413	29.400	29.403	29.403	29.400	29.399	29.410	29.419	29.435	29.440	29.462	
11	29.499	29.499	29.499	29.505	29.505	29.514	29.534	29.540	29.556	29.571	29.587	29.597	29.608	29.624	29.644
12	29.690	29.690	29.690	29.690	29.690	29.680	29.678	29.668	29.656	29.615	29.587	29.532	29.562	29.534	29.516
13	29.096	29.045	29.039	29.033	29.012	29.012	29.012	29.010	29.010	29.010	29.012	29.013	29.013	29.015	29.051
14	29.195	29.195	29.200	29.216	29.221	29.221	29.230	29.222	29.205	29.173	29.162	29.162	29.159	29.161	
15	28.918	28.942	28.766	28.727	28.664	28.649	28.649	28.688	28.712	28.764	28.800	28.830	28.850	28.882	28.904
16	29.028	29.028	29.065	29.077	29.100	29.107	29.124	29.116	29.113	29.113	29.088	29.079	29.068	29.053	
17	29.016	29.011	29.006	29.006	29.006	29.027	29.039	29.039	29.049	29.055	29.058	29.060	29.059	29.059	29.055
18	29.009	29.007	29.006	29.006	29.009	29.011	29.013	29.014	29.019	29.010	29.045	29.060	29.080	29.085	29.093
19	28.982	28.949	28.905	28.870	28.815	28.779	28.711	28.676	28.604	28.561	28.558	28.555	28.555	28.553	28.574
20	28.940	28.979	29.017	29.045	29.075	29.116	29.148	29.174	29.181	29.204	29.250	29.266	29.315	29.332	29.340
21	29.560	29.560	29.560	29.560	29.560	29.560	29.560	29.560	29.560	29.550	29.528	29.483	29.440	29.439	29.382
22	28.846	28.835	28.836	28.838	28.840	28.840	28.830	28.828	28.810	28.795	28.790	28.790	28.789	28.765	28.740
23	28.776	28.776	28.776	28.811	28.876	28.926	28.966	28.996	29.019	29.044	29.099	29.124	29.167	29.199	29.225
24	29.572	29.583	29.613	29.626	29.672	29.678	29.678	29.688	29.740	29.750	29.754	29.773	29.777	29.782	29.786
25	29.834	29.834	29.833	29.834	29.834	29.834	29.834	29.833	29.827	29.827	29.815	29.790	29.795	29.780	29.769
26	29.724	29.720	29.715	29.707	29.711	29.712	29.719	29.717	29.717	29.715	29.715	29.719	29.720	29.734	29.745
27	29.910	29.919	29.941	29.948	29.970	29.991	30.002	30.029	30.053	30.056	30.059	30.062	30.064	30.066	30.068
28	30.100	30.099	30.099	30.099	30.099	30.099	30.099	30.099	30.090	30.088	30.085	30.086	30.073	30.069	30.056
29	30.013	30.013	30.008	30.008	30.003	29.983	29.968	29.943	29.937	29.926	29.915	29.884	29.838	29.796	29.760
30	29.576	29.590	29.594	29.608	29.635	29.640	29.658	29.658	29.666	29.669	29.690	29.696	29.706	29.710	29.734
31	29.843	29.813	29.813	29.773	29.713	29.688	29.623	29.570	29.489	29.429	29.363	29.335	29.282	29.241	29.216
Mean.	29.413	29.411	29.405	29.405	29.407	29.410	29.410	29.409	29.392	29.301	29.393	29.396	29.396	29.396	29.400

Absolute Maximum = 30.109 on 27th at 6 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

17

## —HOURLY VALUES.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JANUARY, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly-mean.	Maximum.	Minimum.	Date.
29.386	29.408	29.445	29.461	29.501	29.517	29.522	29.527	29.537	.....	.....	.....	1
29.515	29.501	29.494	29.487	29.495	29.495	29.477	29.464	29.456	29.538	29.582	7-8 a.m. ...	29.456 Midnight ... 2
29.294	29.294	29.292	29.292	29.288	29.288	29.288	29.278	29.263	29.334	29.456	0 a.m. ...	29.263 Midnight ... 3
29.030	29.055	29.080	29.096	29.104	29.163	29.166	29.162	29.161	29.138	29.263	0 a.m. ...	28.967 2-10 p.m. ... 4
29.435	29.435	29.441	29.441	29.439	29.458	29.458	29.455	29.455	29.333	29.460	9-5 p.m. ...	29.159 1-2 a.m. ... 5
29.537	29.544	29.551	29.568	29.574	29.579	29.590	29.594	29.594	29.516	29.594	Midnight ...	29.445 3-4 a.m. ... 6
29.450	29.432	29.462	29.491	29.510	29.528	29.533	29.553	29.565	29.532	29.601	3 a.m. ...	29.427 4.20 p.m. ... 7
29.796	29.802	29.815	29.822	29.825	29.825	29.820	29.791	29.792	29.726	29.830	8-30 p.m. ...	29.565 0 a.m. ... 8
29.529	29.515	29.508	29.504	29.472	29.461	29.455	29.455	29.455	29.601	29.792	0 a.m. ...	29.455 10 to midn't ... 9
29.470	29.473	29.473	29.487	29.497	29.499	29.499	29.499	29.499	29.446	29.499	9 p.m.-midn't	29.399 10 a.m. ... 10
29.649	29.664	29.674	29.689	29.699	29.705	29.690	29.690	29.690	29.598	29.710	9-5 p.m. ...	29.499 0-3 a.m. ... 11
29.472	29.434	29.396	29.342	29.298	29.270	29.219	29.168	29.127	29.523	29.690	0-5 a.m. ...	29.127 Midnight ... 12
29.057	29.081	29.108	29.120	29.136	29.158	29.165	29.172	29.195	29.065	29.195	Midnight ...	29.010 8-10 a.m. ... 13
29.163	29.176	29.170	29.145	29.135	29.127	29.088	29.024	28.970	29.169	29.230	-8 a.m. ...	28.970 Midnight ... 14
28.022	28.043	28.063	28.095	29.005	29.011	29.011	29.011	29.018	28.858	29.018	Midnight ...	28.049 5-6 a.m. ... 15
29.053	29.052	29.050	29.077	29.061	29.026	29.021	29.018	29.070	29.124	7 a.m. ...	29.018	Midnight ... 16
29.053	29.056	29.056	29.059	29.052	29.041	29.020	29.009	29.040	29.060	Noon ...	29.006	3-5 a.m. ... 17
29.095	29.090	29.084	29.079	29.073	29.058	29.045	29.024	29.009	29.043	29.095	4 p.m. ...	29.006 3-4 a.m. ... 18
28.593	28.640	28.688	28.750	28.778	28.800	28.839	28.895	28.913	28.732	29.009	0 a.m. ...	28.553 2 p.m. ... 19
29.385	29.420	29.427	29.450	29.468	29.501	29.506	29.531	29.540	29.262	29.540	Midnight ...	28.913 0 a.m. ... 20
29.383	29.313	29.265	29.195	29.116	29.072	28.988	28.924	28.870	29.388	29.560	1-9 a.m. ...	28.870 Midnight ... 21
28.731	28.731	28.709	28.724	28.752	28.776	28.776	28.776	28.776	28.790	28.870	0 a.m. ...	28.709 6 p.m. ... 22
29.245	29.295	29.345	29.375	29.430	29.464	29.504	29.526	29.560	29.131	29.560	Midnight ...	28.776 0-3 a.m. ... 23
29.789	29.790	29.791	29.812	29.826	29.824	29.833	29.835	29.834	29.736	29.835	11 p.m. ...	29.560 0 a.m. ... 24
29.763	29.762	29.760	29.758	29.755	29.749	29.742	29.735	29.728	29.795	29.834	0-7 a.m. ...	29.728 Midnight ... 25
29.749	29.775	29.784	29.821	29.840	29.869	29.878	29.882	29.885	29.758	29.885	Midnight ...	29.707 4 a.m. ... 26
30.065	30.102	30.109	30.107	30.107	30.100	30.100	30.100	30.100	30.039	30.109	6 p.m. ...	29.885 0 a.m. ... 27
30.035	30.033	30.033	30.033	30.032	30.015	30.013	30.013	30.068	30.100	0 a.m. ...	30.013 11 p.m.-midn't ... 28	
29.728	29.678	29.624	29.507	29.562	29.549	29.544	29.523	29.552	29.815	30.013	0-2 a.m. ...	29.523 11 p.m. ... 29
29.753	29.772	29.803	29.832	29.836	29.852	29.852	29.855	29.852	29.713	29.855	11 p.m. ...	29.552 0 a.m. ... 30
29.210	29.210	29.210	29.214	29.223	29.262	29.291	29.345	29.395	29.449	29.852	0 a.m. ...	29.210 4-6 p.m. ... 31
29.398	29.402	29.407	29.412	29.417	29.427	29.418	29.415	29.414	29.406	...	.....	Mean.

Absolute Minimum = 28.553 on 19th at 2 p.m.

\*964-C

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

## MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.424	29.468	29.513	29.557	29.601	29.625	29.644	29.656	29.687	29.684	29.689	29.689	29.689	29.656	29.643
2	29.462	29.462	29.484	29.491	29.518	29.512	29.546	29.556	29.565	29.543	29.587	29.589	29.606	29.623	29.640
3	29.802	29.823	29.844	29.863	29.895	29.915	29.928	29.963	29.973	29.972	29.975	29.976	29.994	29.993	30.025
4	30.046	30.005	29.999	29.968	29.976	29.925	29.919	29.923	29.866	29.823	29.760	29.727	29.654	29.608	29.568
5	29.319	29.319	29.304	29.278	29.268	29.238	29.228	29.218	29.203	29.188	29.123	29.108	29.102	29.102	29.082
6	29.486	29.519	29.572	29.605	29.628	29.651	29.684	29.702	29.737	29.730	29.753	29.776	29.794	29.794	29.796
7	29.759	29.752	29.748	29.744	29.744	29.744	29.743	29.741	29.740	29.739	29.739	29.737	29.740	29.740	29.742
8	29.801	29.801	29.804	29.806	29.806	29.806	29.806	29.804	29.825	29.850	29.851	29.852	29.856	29.854	29.855
9	29.911	29.916	29.922	29.944	29.949	29.976	29.987	29.992	29.997	30.002	30.006	30.010	30.021	30.022	30.020
10	30.055	30.044	30.039	30.036	30.033	30.033	30.036	30.042	30.051	30.061	30.064	30.064	30.064	30.063	30.061
11	29.928	29.890	29.872	29.859	29.826	29.826	29.822	29.820	29.818	29.807	29.796	29.791	29.785	29.779	29.773
12	29.700	29.705	29.700	29.700	29.700	29.700	29.703	29.680	29.615	29.635	29.600	29.570	29.525	29.506	29.449
13	29.413	29.410	29.408	29.406	29.390	29.388	29.385	29.383	29.339	29.352	29.348	29.339	29.334	29.327	29.284
14	29.362	29.367	29.382	29.392	29.422	29.450	29.482	29.522	29.562	29.585	29.629	29.667	29.700	29.738	29.781
15	29.985	29.991	29.997	30.000	30.004	30.007	30.027	30.044	30.036	30.036	30.029	30.025	30.010	30.006	30.001
16	29.975	29.970	29.970	29.969	29.969	29.969	29.967	29.971	29.971	29.944	29.942	29.916	29.896	29.884	29.878
17	29.597	29.557	29.512	29.457	29.429	29.374	29.330	29.318	29.311	29.315	29.320	29.329	29.350	29.365	29.372
18	29.361	29.326	29.313	29.299	29.279	29.265	29.251	29.246	29.241	29.223	29.196	29.105	29.192	29.190	29.180
19	29.294	29.303	29.322	29.336	29.345	29.345	29.345	29.324	29.267	29.297	29.265	29.258	29.246	29.201	29.172
20	28.744	28.733	28.733	28.733	28.729	28.729	28.729	28.727	28.727	28.727	28.733	28.746	28.762	28.778	
21	29.171	29.203	29.255	29.287	29.324	29.381	29.423	29.470	29.507	29.529	29.551	29.557	29.573	29.585	29.585
22	29.292	29.214	29.180	29.167	29.164	29.143	29.125	29.119	29.102	29.091	29.091	29.095	29.111	29.113	29.152
23	29.631	29.654	29.703	29.729	29.760	29.784	29.820	29.836	29.862	29.870	29.878	29.897	29.911	29.920	29.924
24	29.950	29.931	29.927	29.918	29.909	29.905	29.905	29.905	29.903	29.917	29.909	29.900	29.895	29.894	29.868
25	29.623	29.616	29.599	29.597	29.597	29.597	29.602	29.603	29.596	29.571	29.547	29.541	29.534	29.525	29.526
26	29.602	29.603	29.606	29.611	29.623	29.630	29.661	29.674	29.694	29.712	29.718	29.735	29.746	29.757	29.778
27	29.900	29.890	29.897	29.897	29.897	29.895	29.896	29.890	29.895	29.885	29.885	29.877	29.843	29.838	29.818
28	29.587	29.576	29.566	29.546	29.509	29.503	29.492	29.461	29.435	29.409	29.358	29.305	29.240	29.153	29.068
29	29.429	29.444	29.444	29.444	29.459	29.468	29.488	29.490	29.486	29.480	29.480	29.475	29.472	29.472	
Mean,	29.607	29.603	29.607	29.608	29.612	29.617	29.592	29.623	29.621	29.620	29.621	29.612	29.608	29.602	29.597

Absolute Maximum = 30.065 on 3rd at 9 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

19

—HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

FEBRUARY, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.611	29.579	29.547	29.515	29.494	29.458	29.456	29.456	29.459	29.574	29.689	11 a.m.—1 p.m.	29.424
29.643	29.665	29.693	29.696	29.716	29.725	29.738	29.746	29.774	29.603	29.774	Midnight ...	29.462
30.025	30.057	30.060	30.060	30.065	30.060	30.057	30.052	29.971	30.065	9 p.m. ...	29.802	
29.554	29.495	29.443	29.394	29.358	29.349	29.341	29.333	29.330	29.697	30.046	1 a.m. ...	29.330
29.112	29.145	29.175	29.209	29.254	29.302	29.351	29.390	29.423	29.225	29.423	Midnight ...	29.082
29.780	29.780	29.780	29.775	29.772	29.769	29.767	29.766	29.761	29.719	29.796	3 p.m. ...	29.486
29.742	29.749	29.749	29.757	29.765	29.776	29.786	29.786	29.786	29.751	29.786	10 p.m.—midn't	29.737
29.852	29.855	29.855	29.866	29.890	29.894	29.896	29.899	29.905	29.843	29.905	Midnight ...	29.786
30.039	30.040	30.040	30.063	30.065	30.065	30.065	30.064	30.062	30.005	30.065	8-10 p.m. ...	29.905
30.056	30.054	30.048	30.041	30.036	30.036	30.013	29.984	29.952	30.043	30.064	11 a.m.—1 p.m.	29.952
29.756	29.750	29.723	29.716	29.716	29.710	29.710	29.700	29.703	29.792	29.952	0 a.m. ...	29.700
29.436	29.434	29.433	29.431	29.431	29.420	29.422	29.421	29.420	29.564	29.705	2 a.m. ...	29.420
29.316	29.316	29.316	29.333	29.319	29.342	29.347	29.352	29.354	29.430	0 a.m. ...	29.316	5 p.m. ...
29.804	29.837	29.870	29.897	29.920	29.953	29.974	29.985	29.985	29.665	29.985	11 p.m.—midn't	29.352
30.000	29.998	29.994	29.990	29.993	29.988	29.988	29.988	29.988	30.005	30.044	8 a.m. ...	29.985
29.864	29.829	29.815	29.808	29.800	29.777	29.737	29.697	29.652	29.889	29.975	1 a.m. ...	29.652
29.390	29.403	29.413	29.424	29.430	29.436	29.433	29.426	29.401	29.409	29.652	0 a.m. ...	29.311
29.191	29.208	29.213	29.223	29.233	29.253	29.262	29.268	29.277	29.248	29.401	0 a.m. ...	29.189
29.136	29.080	29.021	28.853	28.906	28.860	28.816	28.772	28.755	29.116	29.345	5-7 a.m. ...	28.755
28.805	28.841	28.867	28.908	28.959	29.015	29.044	29.051	29.116	28.812	29.116	Midnight ...	28.727
29.585	29.559	29.552	29.545	29.524	29.498	29.463	29.515	29.349	29.453	29.585	2-4 p.m. ...	29.171
29.161	29.205	29.259	29.322	29.410	29.473	29.484	29.574	29.614	29.230	29.614	Midnight ...	29.091
29.932	29.940	29.941	29.966	29.969	29.972	29.970	29.969	29.950	29.859	29.972	9 p.m. ...	29.614
29.856	29.819	29.782	29.760	29.738	29.701	29.674	29.662	29.637	29.847	29.950	0-1 a.m. ...	29.637
29.530	92.533	29.544	29.575	29.586	29.597	29.589	29.596	29.559	29.576	29.637	0 a.m. ...	29.525
29.785	29.815	29.827	29.855	29.873	29.886	29.895	29.898	29.900	29.738	29.900	Midnight ...	29.559
29.787	29.757	29.725	29.707	29.674	29.661	29.645	29.629	29.618	29.814	29.900	0-1 a.m. ...	29.618
29.019	29.034	29.195	29.275	29.326	29.362	29.375	29.400	29.409	29.363	29.618	0 a.m. ...	28.996
29.472	29.476	29.476	29.499	29.522	29.545	29.548	29.575	29.581	29.483	29.581	Midnight ...	29.409
29.594	29.594	29.598	29.602	29.612	29.616	29.619	29.610	29.610	29.609	...	.....	Mean.

Absolute Minimum = 28.727 on 20th at 10 a.m.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date:	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon:	1 p.m.	2 p.m.	3 p.m.
1	29.607	29.616	29.637	29.644	29.670	29.700	29.731	29.737	29.761	29.765	29.794	29.823	29.836	29.864	29.883
2	30.123	30.131	30.139	30.152	30.160	30.199	30.227	30.245	30.263	30.268	30.293	30.298	30.298	30.308	30.328
3	30.363	30.356	30.323	30.311	30.294	30.271	30.264	30.229	30.212	30.166	30.125	30.094	30.060	30.007	29.991
4	29.953	29.948	29.931	29.931	29.956	29.956	29.956	29.956	29.948	29.962	29.942	29.932	29.919	29.911	29.892
5	29.714	29.685	29.658	29.617	29.573	29.547	29.530	29.494	29.413	29.402	29.367	29.337	29.327	29.297	29.273
6	29.386	29.377	29.372	29.379	29.386	29.422	29.450	29.472	29.499	29.509	29.544	29.542	29.598	29.600	29.610
7	29.567	29.551	29.520	29.504	29.488	29.467	29.447	29.411	29.375	29.323	29.281	29.250	29.179	29.138	29.087
8	28.794	28.765	28.741	28.717	28.698	28.689	28.686	28.681	28.677	28.670	28.667	28.656	28.666	28.688	28.725
9	28.097	29.024	29.051	29.079	29.102	29.164	29.220	29.262	29.284	29.314	29.354	29.374	29.399	29.433	29.473
10	29.711	29.716	29.716	29.716	29.716	29.719	29.724	29.721	29.715	29.715	29.715	29.719	29.727	29.708	
11	29.720	29.690	29.651	29.642	29.618	29.595	29.573	29.526	29.515	29.480	29.440	29.380	29.310	29.215	29.154
12	28.844	28.884	28.910	28.935	28.980	29.006	29.025	29.084	29.116	29.122	29.161	29.171	29.210	29.229	29.243
13	29.355	29.353	29.340	29.329	29.313	29.307	29.312	29.306	29.290	29.276	29.272	29.263	29.239	29.230	29.210
14	29.034	29.053	29.072	29.077	29.077	29.082	29.087	29.091	29.091	29.085	29.095	29.077	29.069	29.066	29.072
15	29.133	29.152	29.166	29.172	29.178	29.191	29.212	29.238	29.259	29.280	29.324	29.338	29.374	29.401	29.423
16	29.593	29.594	29.554	29.540	29.524	29.498	29.474	29.436	29.416	29.396	29.386	29.366	29.327	29.307	29.287
17	29.419	29.426	29.438	29.455	29.472	29.479	29.496	29.505	29.514	29.520	29.532	29.544	29.546	29.543	29.539
18	29.616	29.638	29.654	29.678	29.698	29.706	29.716	29.722	29.735	29.735	29.736	29.770	29.767	29.774	29.776
19	29.650	29.636	29.617	29.658	29.695	29.717	29.739	29.761	29.772	29.784	29.790	29.817	29.838	29.844	29.856
20	29.976	29.987	29.987	29.987	29.987	29.987	29.987	29.983	29.982	29.973	29.952	29.936	29.920	29.909	29.888
21	29.675	29.621	29.586	29.529	29.461	29.408	29.360	29.352	29.363	29.373	29.374	29.374	29.300	29.377	29.375
22	29.380	29.394	29.418	29.443	29.461	29.485	29.520	29.560	29.574	29.568	29.577	29.581	29.565	29.549	29.533
23	29.325	29.325	29.319	29.320	29.322	29.322	29.322	29.316	29.310	29.306	29.299	29.289	29.262	29.247	29.242
24	29.126	29.116	29.106	29.097	29.077	29.077	29.087	29.087	29.072	29.072	29.072	29.072	29.075	29.080	29.088
25	29.458	29.470	29.497	29.504	29.526	29.553	29.562	29.574	29.591	29.591	29.602	29.615	29.618	29.626	29.634
26	29.704	29.701	29.703	29.705	29.707	29.700	29.716	29.723	29.720	29.732	29.716	29.703	29.695	29.685	29.684
27	29.600	29.690	29.684	29.677	29.677	29.677	29.677	29.677	29.660	29.656	29.652	29.648	29.634	29.634	29.625
28	29.653	29.650	29.642	29.634	29.624	29.624	29.624	29.616	29.601	29.590	29.597	29.600	29.611	29.614	29.620
29	29.614	29.598	29.588	29.582	29.571	29.576	29.581	29.571	29.550	29.523	29.499	29.470	29.441	29.435	29.439
30	29.777	29.795	29.818	29.836	29.874	29.892	29.920	29.929	29.952	29.955	29.959	29.962	29.970	29.969	29.978
31	29.883	29.850	29.827	29.809	29.780	29.762	29.739	29.710	29.671	29.648	29.610	29.592	29.579	29.583	29.586
Mean.	29.543	29.542	29.537	29.536	29.537	29.541	29.547	29.541	29.546	29.541	29.540	29.535	29.530	29.525	29.523

Absolute Maximum = 30.379 on 2nd at 0 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

21

## HOURLY VALUES—continued.

REDUCED TO 32° FAH. M.S.L. AND STANDARD GRAVITY.

MARCH, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.924	29.933	29.968	29.996	30.013	30.041	30.062	30.092	30.110	29.831	30.110	Midnight ...	29.581 0 a.m. ... 1
30.337	30.351	30.356	30.365	30.375	30.379	30.377	30.370	30.370	30.274	30.379	9 p.m. ...	30.123 1 a.m. ... 2
29.951	29.925	29.918	29.920	29.920	29.931	29.948	29.948	29.948	30.112	30.370	0 a.m. ...	29.918 6 p.m. ... 3
29.867	29.860	29.843	29.843	29.822	29.822	29.803	29.771	29.750	29.899	29.962	10 a.m. ...	29.750 Midnight ... 4
29.274	29.275	29.273	29.303	29.349	29.355	29.372	29.389	29.390	29.432	29.750	0 a.m. ...	29.273 6 p.m. ... 5
29.612	29.614	29.628	29.628	29.630	29.622	29.614	29.603	29.593	29.524	29.630	8 p.m. ...	29.372 3 a.m. ... 6
29.074	29.065	29.034	28.996	28.941	28.920	28.901	28.837	28.828	29.214	29.593	0 a.m. ...	28.828 Midnight ... 7
28.741	28.772	28.813	28.835	28.854	28.922	28.934	28.968	28.980	28.761	28.980	Midnight ...	28.656 Noon ... 8
29.490	29.517	29.456	29.600	29.610	29.651	29.663	29.687	29.699	29.356	29.699	Midnight ...	28.980 0 a.m. ... 9
29.719	29.719	29.727	29.740	29.740	29.741	29.729	29.729	29.721	29.741	9 p.m. ...	29.699 0 a.m. ... 10	
29.093	29.034	29.091	28.928	28.873	28.818	28.782	28.780	28.783	29.277	29.729	0 a.m. ...	28.780 11 p.m. ... 11
29.254	29.280	29.286	29.306	29.322	29.346	29.351	29.355	29.355	29.145	29.355	11 p.m.—midn't	28.783 0 a.m. ... 12
29.177	29.164	29.132	29.115	29.109	29.072	29.051	29.023	29.024	29.226	29.355	0-1 a.m. ...	29.023 11 p.m. ... 13
29.077	29.081	29.095	29.113	29.124	29.134	29.134	29.134	29.134	29.087	29.134	9 p.m.—midn't	29.024 0 a.m. ... 14
29.407	29.494	29.512	29.540	29.574	29.593	29.593	29.593	29.593	29.359	29.593	9 p.m.—midn't	29.133 1 a.m. ... 15
29.257	29.249	29.289	29.333	29.362	29.376	29.388	29.395	29.407	29.410	29.594	2 a.m. ...	29.249 5 p.m. ... 16
29.522	29.506	29.520	29.520	29.537	29.558	29.576	29.546	29.605	29.509	29.605	Midnight ...	29.419 1 a.m. ... 17
29.776	29.774	29.774	29.769	29.763	29.753	29.734	29.716	29.688	29.726	29.776	3-4 p.m. ...	29.605 0 a.m. ... 18
29.875	29.877	29.916	29.944	29.947	29.965	29.968	29.968	29.976	29.810	29.976	Midnight ...	29.617 3 a.m. ... 19
29.808	29.853	29.838	29.823	29.809	29.791	29.760	29.732	29.704	29.909	29.987	2-7 a.m. ...	29.704 Midnight ... 20
29.375	29.386	29.386	29.392	29.392	29.368	29.367	29.346	29.371	29.424	29.704	0 a.m. ...	29.346 11 p.m. ... 21
29.490	29.466	29.440	29.429	29.409	29.389	29.357	29.341	29.336	29.470	29.581	Noon ...	29.336 Midnight ... 22
29.220	29.203	29.177	29.180	29.164	29.160	29.156	29.146	29.260	29.336	0 a.m. ...	29.146 Midnight ... 23	
29.121	29.154	29.217	29.270	29.298	29.336	29.378	29.402	29.419	29.157	29.419	Midnight ...	29.072 9 a.m.—noon ... 24
29.655	29.660	29.665	29.666	29.676	29.676	29.683	29.690	29.692	29.598	29.692	Midnight ...	29.419 0 a.m. ... 25
29.685	29.685	29.689	29.694	29.700	29.706	29.696	29.696	29.690	29.702	29.732	10 a.m. ...	29.684 3 p.m. ... 26
29.629	29.633	29.636	29.654	29.657	29.665	29.665	29.665	29.661	29.660	29.690	0-2 a.m. ...	29.625 3 p.m. ... 27
29.629	29.628	29.638	29.654	29.654	29.645	29.639	29.635	29.624	29.618	29.661	0 a.m. ...	29.597 11 a.m. ... 28
29.454	29.513	29.562	29.591	29.621	29.660	29.683	29.711	29.739	29.566	29.739	Midnight ...	29.435 2 p.m. ... 29
29.901	29.984	29.984	29.980	29.975	29.957	29.934	29.911	29.927	29.991	4 p.m. ...	29.739 0 a.m. ... 30	
29.504	29.602	29.635	29.643	29.651	29.659	29.668	29.668	29.668	29.689	29.911	0 a.m. ...	29.579 1 p.m. ... 31
29.523	29.524	29.532	29.541	29.545	29.549	29.548	29.545	29.546	29.537	...	.....	..... Mean,

Absolute Minimum = 28.656 on 8th at noon.

Table I.-ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.691	29.699	29.725	29.757	29.789	29.839	29.890	29.920	29.920	29.930	29.979	30.004	30.034	30.041	30.075
2	30.176	30.170	30.164	30.148	30.143	30.137	30.132	30.126	30.105	30.089	30.078	30.056	30.047	30.046	30.039
3	30.128	30.135	30.132	30.132	30.139	30.146	30.157	30.169	30.170	30.167	30.160	30.160	30.165	30.165	30.165
4	30.204	30.206	30.209	30.209	30.214	30.219	30.224	30.226	30.226	30.221	30.208	30.206	30.198	30.192	30.171
5	29.936	29.911	29.899	29.899	29.899	29.902	29.900	29.898	29.894	29.891	29.880	29.886	29.875	29.869	29.869
6	29.873	29.857	29.839	29.830	29.819	29.808	29.808	29.802	29.786	29.784	29.778	29.768	29.730	29.728	29.721
7	29.674	29.654	29.645	29.638	29.638	29.646	29.646	29.649	29.652	29.661	29.670	29.675	29.689	29.689	29.693
8	29.710	29.691	29.671	29.657	29.637	29.603	29.598	29.574	29.532	29.544	29.515	29.498	29.468	29.442	29.377
9	29.567	29.569	29.569	29.563	29.559	29.557	29.557	29.557	29.545	29.541	29.537	29.532	29.518	29.518	29.520
10	29.570	29.593	29.597	29.621	29.628	29.656	29.680	29.690	29.721	29.757	29.756	29.745	29.745	29.734	29.725
11	29.618	29.597	29.559	29.530	29.504	29.494	29.453	29.412	29.392	29.349	29.306	29.292	29.270	29.272	29.275
12	29.201	29.188	29.175	29.105	29.067	29.014	28.949	28.917	28.900	28.857	28.859	28.821	28.821	28.809	28.956
13	29.299	29.299	29.296	29.301	29.315	29.368	29.419	29.430	29.466	29.474	29.482	29.506	29.508	29.512	29.517
14	29.237	29.206	29.165	29.169	29.179	29.193	29.202	29.212	29.227	29.252	29.255	29.267	29.287	29.283	29.303
15	29.309	29.250	29.210	29.165	29.135	29.095	29.075	29.050	29.037	29.055	29.059	29.067	29.083	29.099	29.134
16	29.552	29.597	29.622	29.667	29.690	29.723	29.746	29.744	29.753	29.754	29.742	29.726	29.723	29.724	29.728
17	29.797	29.797	29.797	29.799	29.799	29.799	29.801	29.803	29.841	29.849	29.849	29.849	29.849	29.849	29.849
18	29.786	29.776	29.757	29.737	29.713	29.688	29.663	29.624	29.589	29.550	29.521	29.462	29.418	29.377	29.373
19	29.569	29.577	29.585	29.594	29.607	29.620	29.633	29.636	29.639	29.633	29.617	29.593	29.576	29.566	29.551
20	29.441	29.422	29.408	29.394	29.394	29.394	29.375	29.365	29.331	29.300	29.264	29.264	29.254	29.249	29.227
21	29.139	29.093	29.063	29.047	29.042	29.047	29.047	29.047	29.062	29.049	29.066	29.078	29.097	29.124	29.156
22	29.167	29.139	29.136	29.138	29.155	29.150	29.184	29.204	29.208	29.212	29.230	29.234	29.243	29.211	29.215
23	29.111	29.137	29.139	29.142	29.144	29.152	29.155	29.167	29.203	29.260	29.317	29.354	29.405	29.436	29.467
24	29.510	29.492	29.470	29.437	29.412	29.382	29.342	29.294	29.242	29.282	29.146	29.087	29.070	28.979	28.920
25	28.828	28.823	28.824	28.828	28.833	28.858	28.884	28.904	28.934	28.975	29.016	29.057	29.088	29.160	29.212
26	29.518	29.518	29.515	29.494	29.474	29.446	29.423	29.370	29.331	29.249	29.177	29.075	28.995	28.891	28.868
27	29.038	29.056	29.064	29.082	29.100	29.128	29.170	29.198	29.247	29.269	29.329	29.362	29.396	29.437	29.508
28	29.728	29.702	29.676	29.650	29.624	29.588	29.547	29.497	29.446	29.347	29.278	29.196	29.124	29.124	29.166
29	29.556	29.573	29.590	29.601	29.608	29.630	29.641	29.647	29.703	29.702	29.702	29.702	29.697	29.690	29.690
30	29.601	29.590	29.574	29.558	29.552	29.540	29.524	29.513	29.497	29.473	29.459	29.449	29.449	29.449	29.460
Mean.	29.551	29.543	29.536	29.530	29.527	29.527	29.527	29.522	29.520	29.516	29.508	29.490	29.493	29.493	29.498

Absolute Maximum = 30.226 on 4th at 9 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

23

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

APRIL, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean.	Maximum.	Minimum.	Date.
30.087	30.109	30.116	30.133	30.160	30.167	30.175	30.176	30.176	29.973	30.176	11 p.m.—midn't	29.668 0 a.m. ... 1
30.039	30.039	30.049	30.057	30.069	30.076	30.097	30.103	30.116	30.097	30.176	0-1 a.m. ...	30.039 3-5 p.m. ... 2
30.165	30.165	30.166	30.174	30.181	30.179	30.189	30.189	30.199	30.161	30.199	Midnight ...	30.116 0 a.m. ... 3
30.158	30.146	30.140	30.126	30.102	30.101	30.064	30.005	29.968	30.169	30.226	8-9 a.m. ...	29.968 Midnight ... 4
29.879	29.881	29.888	29.888	29.891	29.891	29.888	29.884	29.893	29.968	0 a.m. ...	29.869 2-3 p.m. ...	5
29.721	29.713	29.703	29.700	29.694	29.698	29.690	29.682	29.674	29.763	29.884	0 a.m. ...	29.674 Midnight ... 6
29.699	29.699	29.707	29.717	29.717	29.729	29.729	29.729	29.719	29.681	29.729	9-11 p.m. ...	29.638 4-6 a.m. ... 7
29.372	29.374	29.401	29.420	29.461	29.483	29.509	29.535	29.551	29.530	29.719	0 a.m. ...	29.372 4 p.m. ... 8
29.520	29.522	29.522	29.529	29.536	29.544	29.544	29.557	29.564	29.543	29.577	2-30 a.m. ...	29.518 1-2 p.m. ... 9
29.709	29.695	29.695	29.687	29.683	29.660	29.660	29.658	29.634	29.678	29.772	10-45 a.m. ...	29.564 0 a.m. ... 10
29.275	29.295	29.283	29.270	29.253	29.230	29.221	29.217	29.217	29.370	29.634	0 a.m. ...	29.217 Midnight ... 11
29.023	29.060	29.097	29.139	29.170	29.201	29.208	29.240	29.299	29.047	29.299	Midnight ...	28.796 12-45 p.m. ... 12
29.511	29.481	29.447	29.418	29.369	29.340	29.328	29.291	29.264	29.402	29.517	3 p.m. ...	29.264 Midnight ... 13
29.330	29.356	29.373	29.379	29.379	29.379	29.368	29.339	29.278	29.379	29.379	7-10 p.m. ...	29.150 3-30 a.m. ... 14
29.150	29.206	29.235	29.299	29.336	29.395	29.423	29.478	29.512	29.109	29.512	Midnight ...	29.037 9 a.m. ... 15
29.740	29.760	29.774	29.788	29.792	29.792	29.794	29.796	29.798	29.725	29.798	Midnight ...	29.512 0 a.m. ... 16
29.849	29.841	29.833	29.837	29.839	29.839	29.839	29.820	29.806	29.826	29.849	10 a.m.-4 p.m. ...	29.797 1-3 a.m. ... 17
29.391	29.369	29.342	29.375	29.428	29.456	29.484	29.507	29.535	29.544	29.786	1 a.m. ...	29.342 6 p.m. ... 18
29.536	29.532	29.528	29.518	29.503	29.498	29.494	29.470	29.465	29.566	29.641	7-30 a.m. ...	29.465 Midnight ... 19
29.209	29.199	29.181	29.178	29.178	29.170	29.163	29.163	29.161	29.285	29.465	0 a.m. ...	29.161 Midnight ... 20
29.206	29.221	29.241	29.270	29.235	29.255	29.227	29.188	29.180	29.132	29.270	7 p.m. ...	29.042 5 a.m. ... 21
29.213	29.210	29.200	29.195	29.150	29.111	29.106	29.106	29.106	29.177	29.243	1 p.m. ...	29.106 10 p.m.—midn't 22
29.491	29.520	29.534	29.539	29.554	29.559	29.559	29.553	29.536	29.342	29.559	9-10 p.m. ...	29.106 0 a.m. ... 23
28.892	28.890	28.890	28.890	28.884	28.884	28.881	28.862	28.833	29.138	29.536	0 a.m. ...	28.833 Midnight ... 24
29.272	29.322	29.376	29.410	29.453	29.490	29.499	29.502	29.518	29.113	29.518	Midnight ...	28.823 2 a.m. ... 25
28.879	28.884	28.895	28.906	28.955	28.976	28.984	28.992	29.015	29.170	29.518	1-2 a.m. ...	28.868 3 p.m. ... 26
29.577	29.636	29.676	29.701	29.726	29.736	29.745	29.764	29.764	29.389	29.764	11 p.m.—midn't	29.015 0 a.m. ... 27
29.192	29.234	29.278	29.330	29.383	29.435	29.487	29.508	29.534	29.425	29.728	1 a.m. ...	29.124 1-2 p.m. ... 28
29.669	29.667	29.658	29.656	29.638	29.612	29.607	29.607	29.601	29.642	29.703	0 a.m. ...	29.534 0 a.m. ... 29
29.479	29.499	29.509	29.539	29.548	29.568	29.568	29.568	29.568	29.523	29.601	1 a.m. ...	29.449 12-2 p.m. ... 30
29.508	29.518	29.525	29.536	29.543	29.549	29.552	29.551	29.551	29.526	...	.....	Mean.

Absolute Minimum = 28.823 on 25th at 2 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.568	29.568	29.568	29.568	29.551	29.551	29.541	29.519	29.473	29.412	29.416	29.275	29.270	29.260	29.278
2	29.299	29.328	29.331	29.340	29.351	29.373	29.403	29.403	29.419	29.454	29.461	29.488	29.512	29.530	29.555
3	29.482	29.456	29.448	29.436	29.430	29.440	29.443	29.443	29.420	29.416	29.401	29.372	29.358	29.324	29.280
4	28.804	28.804	28.855	28.937	29.045	29.155	29.265	29.370	29.430	29.477	29.506	29.515	29.524	29.553	29.583
5	29.553	29.553	29.577	29.600	29.634	29.656	29.692	29.723	29.745	29.786	29.817	29.823	29.854	29.861	29.877
6	30.030	30.039	30.044	30.058	30.053	30.059	30.075	30.079	30.083	30.092	30.086	30.080	30.084	30.092	30.096
7	30.148	30.148	30.148	30.141	30.134	30.134	30.130	30.127	30.106	30.097	30.097	30.084	30.066	30.050	30.026
8	30.011	30.003	29.980	29.967	29.950	29.955	29.963	29.963	29.966	29.966	29.985	29.995	29.990	29.990	29.990
9	30.003	29.993	29.979	29.969	29.955	29.950	29.955	29.930	29.915	29.908	29.895	29.903	29.907	29.922	29.945
10	29.980	29.980	29.960	29.960	29.950	29.950	29.948	29.942	29.933	29.940	29.945	29.945	29.945	29.945	29.945
11	30.008	30.008	30.016	30.033	30.045	30.074	30.093	30.109	30.119	30.122	30.122	30.110	30.111	30.105	30.100
12	29.925	29.920	29.905	29.885	29.860	29.849	29.847	29.846	29.900	29.921	29.963	29.934	29.990	29.906	30.023
13	30.133	30.124	30.098	30.062	30.038	30.038	30.031	30.035	30.035	30.022	30.004	29.986	29.963	29.927	29.915
14	29.927	29.927	29.931	29.931	29.924	29.924	29.912	29.899	29.877	29.872	29.867	29.853	29.833	29.828	29.828
15	29.745	29.744	29.721	29.706	29.693	29.686	29.671	29.666	29.656	29.639	29.647	29.648	29.660	29.660	29.684
16	29.556	29.472	29.420	29.379	29.350	29.296	29.252	29.193	29.134	29.052	29.000	28.933	28.896	28.834	28.803
17	29.257	29.314	29.371	29.438	29.510	29.562	29.607	29.659	29.715	29.740	29.755	29.760	29.780	29.785	29.785
18	29.704	29.660	29.616	29.584	29.512	29.470	29.416	29.375	29.289	29.280	29.248	29.220	29.190	29.198	29.206
19	29.325	29.325	29.329	29.323	29.323	29.323	29.347	29.356	29.430	29.495	29.538	29.561	29.604	29.627	29.665
20	29.774	29.768	29.737	29.731	29.715	29.694	29.673	29.652	29.601	29.601	29.546	29.512	29.456	29.422	29.399
21	29.342	29.352	29.352	29.352	29.352	29.352	29.362	29.383	29.401	29.399	29.399	29.399	29.412	29.428	29.446
22	29.735	29.762	29.794	29.816	29.826	29.857	29.878	29.889	29.901	29.902	29.901	29.893	29.882	29.855	29.843
23	29.560	29.540	29.535	29.510	29.495	29.485	29.475	29.465	29.447	29.447	29.429	29.431	29.433	29.430	
24	29.142	29.131	29.125	29.119	29.113	29.102	29.096	29.095	29.064	29.059	29.059	29.049	29.039	29.039	29.010
25	29.220	29.242	29.250	29.268	29.311	29.318	29.360	29.386	29.408	29.441	29.489	29.517	29.550	29.598	29.636
26	29.810	29.801	29.782	29.773	29.763	29.753	29.744	29.715	29.685	29.655	29.625	29.611	29.611	29.605	29.606
27	29.642	29.642	29.642	29.642	29.642	29.648	29.654	29.654	29.654	29.662	29.663	29.663	29.641	29.649	29.642
28	29.680	29.691	29.707	29.707	29.723	29.734	29.744	29.744	29.755	29.755	29.751	29.747	29.743	29.743	29.755
29	29.880	29.885	29.892	29.892	29.895	29.900	29.909	29.914	29.924	29.921	29.922	29.918	29.910	29.896	29.882
30	29.742	29.731	29.710	29.689	29.668	29.657	29.635	29.613	29.592	29.568	29.548	29.510	29.485	29.454	29.423
31	29.209	29.198	29.192	29.166	29.155	29.155	29.155	29.148	29.136	29.138	29.115	29.117	29.124	29.123	29.147
Mean.	29.651	29.649	29.646	29.645	29.645	29.648	29.654	29.655	29.652	29.653	29.652	29.641	29.640	29.637	29.639

Absolute Maximum = 30.148 from 1 to 8 a.m. on 7th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

25

## =HOURLY VALUES—continued.

REDUCED TO 32 FAHR. M.S.L. AND STANDARD GRAVITY.

MAY, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29-200	29-306	29-313	29-320	29-320	29-306	29-304	29-304	29-300	29-408	29-568	0-4 a.m. ...	29-269 2 p.m. ... 1
29-555	29-578	29-595	29-587	29-583	29-575	29-535	29-496	29-490	29-465	29-595	6 p.m. ...	29-299 1 a.m. ... 2
29-238	29-171	29-114	29-063	29-032	28-036	28-023	28-883	28-847	29-279	29-482	1 a.m. ...	28-847 Midnight ... 3
29-590	29-602	29-603	29-615	29-616	29-616	29-613	29-606	29-603	29-371	29-616	8-9 p.m. ...	28-804 1-2 a.m. ... 4
29-806	29-920	29-914	29-944	29-954	29-974	29-988	30-017	30-021	29-799	30-021	Midnight ...	29-553 1-2 a.m. ... 5
30-006	30-083	30-083	30-105	30-111	30-132	30-136	30-136	30-140	30-684	30-140	Midnight ...	30-021 0 a.m. ... 6
30-013	30-020	30-021	30-021	30-021	30-021	30-021	30-021	30-021	30-078	30-148	1-3 a.m. ...	30-013 4 p.m. ... 7
30-001	29-995	29-995	29-995	29-999	30-007	30-002	29-997	30-008	29-987	30-021	0 a.m. ...	29-955 6 a.m. ... 8
29-960	29-980	29-990	29-997	29-997	29-995	29-995	29-995	29-995	29-960	30-008	0 a.m. ...	29-895 11 a.m. ... 9
29-945	29-937	29-930	29-930	29-949	29-956	29-988	29-995	29-951	29-995	Midnight ...	29-930 6-8 p.m. ...	10
30-080	30-061	30-051	30-052	30-007	29-982	29-954	29-948	29-923	30-054	30-122	10-11 a.m. ...	29-923 Midnight ... 11
30-037	30-083	30-002	30-108	30-124	30-133	30-133	30-133	30-133	30-985	30-133	9 p.m.—midn't.	29-842 6-30 a.m. ... 12
29-904	29-903	29-902	29-902	29-911	29-920	29-927	29-927	29-927	29-991	30-133	0-1 a.m. ...	29-902 6-7 p.m. ... 13
29-823	29-817	29-801	29-796	29-790	29-780	29-770	29-765	29-755	29-855	29-931	3-4 a.m. ...	29-755 Midnight ... 14
29-694	29-695	29-686	29-692	29-680	29-668	29-655	29-632	29-594	29-670	29-755	0 a.m. ...	29-594 Midnight ... 15
28-703	28-755	28-753	28-781	28-863	28-896	29-067	29-175	29-067	29-594	0 a.m. ...	28-753 6-7 p.m. ...	16
29-786	29-786	29-787	29-786	29-785	29-764	29-752	29-745	29-728	29-654	29-787	6 p.m. ...	29-175 0 a.m. ... 17
29-236	29-252	29-278	29-298	29-314	29-324	29-325	29-322	29-336	29-369	29-728	0 a.m. ...	29-190 1 p.m. ... 18
29-600	29-705	29-710	29-735	29-755	29-767	29-767	29-770	29-774	29-543	29-774	Midnight ...	29-323 4-6 a.m. ... 19
29-303	29-374	29-362	29-349	29-336	29-348	29-329	29-335	29-335	29-527	29-774	1 a.m. ...	29-329 10 p.m. ... 20
29-455	29-464	29-508	29-542	29-576	29-610	29-638	29-664	29-686	29-446	29-686	Midnight ...	29-335 0 a.m. ... 21
29-828	29-804	29-759	29-714	29-690	29-645	29-625	29-605	29-580	29-793	29-902	10 a.m. ...	29-580 Midnight ... 22
29-417	29-384	29-364	29-327	29-304	29-266	29-230	29-189	29-168	29-416	29-580	0 a.m. ...	29-168 Midnight ... 23
29-036	29-044	29-052	29-060	29-086	29-122	29-171	29-191	29-213	29-092	29-213	Midnight ...	29-019 3 p.m. ... 24
29-671	29-711	29-737	29-774	29-791	29-817	29-817	29-819	29-815	29-527	29-819	11 p.m. ...	29-213 0 a.m. ... 25
29-601	29-615	29-615	29-644	29-653	29-668	29-668	29-661	29-647	29-683	29-815	0 a.m. ...	29-601 4 p.m. ... 26
29-642	29-628	29-617	29-615	29-613	29-607	29-608	29-628	29-665	29-640	29-665	Midnight ...	29-607 9 p.m. ... 27
29-769	29-775	29-788	29-822	29-829	29-842	29-847	29-856	29-861	29-761	29-861	Midnight ...	29-659 0 a.m. ... 28
29-875	29-853	29-854	29-854	29-837	29-818	29-796	29-774	29-763	29-876	29-924	9 a.m. ...	29-763 Midnight ... 29
29-399	29-380	29-360	29-334	29-313	29-295	29-270	29-246	29-230	29-505	29-763	0 a.m. ...	29-230 Midnight ... 30
29-156	29-170	29-184	29-193	29-201	29-215	29-218	29-224	29-225	29-169	29-230	0 a.m. ...	29-115 11 a.m. ... 31
29-641	29-640	29-639	29-643	29-643	29-644	29-641	29-643	29-643	29-645	...	.....	Mean.

Absolute Minimum = 28-753 from 6 to 7 p.m. on 16th:

## AUSTRALASIAN ANTARCTIC EXPEDITION...

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.225	29.225	29.225	29.225	29.225	29.225	29.225	29.225	29.226	29.225	29.217	29.213	29.206	29.200	29.191
2	29.208	29.208	29.204	29.204	29.204	29.204	29.204	29.204	29.175	29.118	29.100	29.039	29.007	28.935	28.909
3	28.737	28.737	28.743	28.751	28.767	28.783	28.783	28.794	28.784	28.784	28.784	28.800	28.816	28.817	
4	28.921	28.925	28.930	28.978	29.016	29.059	29.110	29.148	29.175	29.221	29.247	29.263	29.279	29.305	29.331
5	29.425	29.425	29.396	29.377	29.358	29.319	29.299	29.280	29.285	29.306	29.324	29.324	29.324	29.324	29.350
6	29.646	29.664	29.672	29.708	29.708	29.708	29.731	29.734	29.737	29.751	29.707	29.741	29.740	29.704	29.674
7	29.657	29.627	29.577	29.562	29.537	29.512	29.457	29.422	29.373	29.320	29.302	29.255	29.232	29.232	
8	29.844	29.868	29.922	29.936	29.945	29.945	29.945	29.945	29.995	29.941	29.890	29.861	29.853	29.853	29.856
9	30.027	30.040	30.052	30.052	30.043	30.060	30.069	30.079	30.079	30.067	30.061	30.060	30.058	30.056	30.057
10	29.997	29.997	29.997	29.990	29.961	29.936	29.917	29.910	29.884	29.860	29.826	29.807	29.788	29.769	29.740
11	29.490	29.490	29.512	29.567	29.601	29.695	29.737	29.789	29.844	29.902	29.940	29.959	29.988	29.911	30.025
12	30.166	30.166	30.166	30.166	30.166	30.166	30.166	30.169	30.176	30.176	30.163	30.162	30.159	30.156	30.165
13	30.139	30.134	30.131	30.110	30.110	30.094	30.084	30.073	30.053	30.040	30.027	29.984	29.961	29.943	29.930
14	29.833	29.833	29.833	29.809	29.809	29.809	29.806	29.806	29.806	29.806	29.806	29.795	29.789	29.783	29.776
15	29.690	29.653	29.624	29.610	29.593	29.586	29.574	29.575	29.536	29.502	29.488	29.480	29.456	29.438	29.424
16	29.216	29.181	29.166	29.176	29.191	29.216	29.246	29.260	29.265	29.288	29.288	29.300	29.300	29.310	29.326
17	29.305	29.300	29.275	29.241	29.222	29.213	29.199	29.165	29.107	29.107	29.087	29.062	29.022	28.780	28.998
18	29.278	29.332	29.386	29.466	29.522	29.601	29.643	29.701	29.759	29.811	29.864	29.886	29.928	29.950	29.972
19	30.048	30.018	29.983	29.979	29.949	29.919	29.879	29.850	29.830	29.804	29.753	29.713	29.677	29.629	29.626
20	29.779	29.809	29.819	29.834	29.834	29.834	29.834	29.834	29.804	29.752	29.720	29.656	29.609	29.556	29.548
21	29.468	29.468	29.425	29.414	29.408	29.408	29.408	29.408	29.410	29.410	29.410	29.410	29.423	29.443	29.496
22	29.876	29.912	29.924	29.931	29.953	29.978	29.983	29.983	29.983	29.983	29.979	29.969	29.965	29.965	29.961
23	29.916	29.916	29.913	29.880	29.854	29.858	29.841	29.834	29.816	29.769	29.738	29.717	29.706	29.706	29.710
24	29.789	29.758	29.737	29.705	29.689	29.683	29.641	29.610	29.759	29.556	29.529	29.492	29.475	29.448	29.421
25	29.486	29.491	29.491	29.486	29.466	29.466	29.461	29.456	29.456	29.456	29.456	29.456	29.464	29.472	29.500
26	29.614	29.626	29.618	29.618	29.618	29.618	29.630	29.647	29.649	29.657	29.665	29.665	29.667	29.667	
27	29.402	29.411	29.420	29.454	29.493	29.507	29.546	29.590	29.619	29.653	29.692	29.716	29.748	29.761	29.789
28	29.621	29.556	29.495	29.424	29.343	29.287	29.272	29.241	29.205	29.186	29.145	29.096	29.047	28.994	28.094
29	29.608	29.665	29.697	29.724	29.760	29.792	29.809	29.814	29.826	29.825	29.824	29.788	29.785	29.781	29.785
30	29.885	29.910	29.930	29.941	29.946	29.951	29.957	29.963	29.965	29.966	29.959	29.951	29.948	29.931	29.918
Mean.	29.610	29.612	29.609	29.611	29.610	29.614	29.615	29.619	29.612	29.606	29.599	29.587	29.580	29.560	29.573

Absolute Maximum = 30.176 on 12th from 9 to 10 a.m.

## METEOROLOGY--MACQUARIE ISLAND STATION.

27

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JUNE, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Date.
29-191	29-191	29-191	29-200	29-200	29-200	29-201	29-208	29-208	29-220	29-226	9 a.m. ...	29-191 3-6 p.m. ... 1
28-895	28-885	28-875	28-845	28-826	28-786	28-767	28-763	28-739	29-023	29-208	0-2 a.m. ...	28-739 Midnight ... 2
28-824	28-832	28-840	28-840	28-840	28-855	28-869	28-883	28-892	28-803	28-892	Midnight ...	28-737 0-2 a.m. ... 3
29-351	29-362	29-403	29-403	29-433	29-433	29-433	29-433	29-429	29-222	29-433	8-11 p.m. ...	28-892 0 a.m. ... 4
29-379	29-398	29-427	29-476	29-505	29-524	29-572	29-595	29-643	29-403	29-643	Midnight ...	29-280 8 a.m. ... 5
29-666	29-660	29-654	29-668	29-692	29-692	29-692	29-692	29-692	29-696	29-751	10 a.m. ...	29-646 1 a.m. ... 6
29-265	29-324	29-433	29-501	29-570	29-649	29-707	29-755	29-798	29-469	29-798	Midnight ...	29-232 1-3 p.m. ... 7
29-883	29-916	29-931	29-956	29-972	29-987	29-987	29-987	30-027	29-918	30-027	Midnight ...	29-853 Noon-2 p.m. 8
30-057	30-057	30-057	30-032	30-020	30-020	30-020	30-020	30-017	30-047	30-079	8-9 a.m. ...	30-017 Midnight ... 9
29-696	29-670	29-636	29-605	29-566	29-542	29-516	29-516	29-503	29-787	30-017	0 a.m. ...	29-503 Midnight ... 10
30-050	30-069	30-099	30-130	30-145	30-162	30-162	30-165	30-168	29-886	30-168	Midnight ...	29-489 2.30 a.m. ... 11
30-165	30-162	30-160	30-160	30-160	30-160	30-160	30-152	30-145	30-163	30-176	9-10 a.m. ...	30-145 Midnight ... 12
29-911	29-882	29-868	29-859	29-855	29-846	29-840	29-833	29-833	29-986	30-145	0 a.m. ...	29-833 11 p.m.-midn't ... 13
29-763	29-745	29-735	29-736	29-730	29-738	29-723	29-719	29-704	29-782	29-833	0 a.m.-3 a.m.	29-704 Midnight ... 14
29-401	29-378	29-365	29-352	29-328	29-306	29-281	29-266	29-251	29-474	29-704	0 a.m. ...	29-251 Midnight ... 15
29-332	29-328	29-334	29-337	29-336	29-332	29-328	29-319	29-310	29-277	29-337	7 p.m. ...	29-166 3 a.m. ... 16
29-000	29-002	29-021	29-048	29-066	29-093	29-126	29-170	29-224	29-120	29-310	0 a.m. ...	28-780 2 p.m. ... 17
29-991	29-996	30-011	30-020	30-030	30-047	30-048	30-048	30-048	29-809	30-048	10 p.m.-midn't	29-224 0 a.m. ... 18
29-625	29-626	29-630	29-635	29-642	29-664	29-684	29-729	29-744	29-783	30-048	0-1 a.m. ...	29-625 4 p.m. ... 19
29-548	29-540	29-527	29-518	29-508	29-505	29-505	29-494	29-468	29-666	29-834	4-8 a.m. ...	29-468 Midnight ... 20
29-528	29-585	29-617	29-674	29-721	29-744	29-792	29-824	29-845	29-523	29-845	Midnight ...	29-408 5-8 a.m. ... 21
29-961	29-960	29-966	29-966	29-954	29-948	29-942	29-942	29-954	29-983	7-10 a.m. ...	29-845 0 a.m. ... 22	
29-745	29-775	29-800	29-800	29-800	29-800	29-800	29-800	29-807	29-942	0 a.m. ...	29-706 1-2 p.m. ... 23	
29-404	29-392	29-371	29-380	29-388	29-406	29-426	29-446	29-476	29-540	29-800	0 a.m. ...	29-366 6:30 p.m. ... 24
29-517	29-529	29-546	29-568	29-575	29-597	29-597	29-613	29-614	29-506	29-614	11 p.m. ...	29-451 8:30 a.m. ... 25
29-662	29-652	29-607	29-575	29-536	29-506	29-480	29-429	29-408	29-608	29-667	2-3 p.m. ...	29-408 Midnight ... 26
29-800	29-816	29-798	29-792	29-769	29-724	29-648	29-672	29-645	29-816	6 p.m. ...	29-402 1 a.m. ...	27
29-012	29-035	29-109	29-208	29-276	29-355	29-437	29-509	29-571	29-269	29-672	0 a.m. ...	28-975 2:30 p.m. ... 28
29-790	29-809	29-814	29-823	29-836	29-843	29-858	29-864	29-869	29-785	29-869	Midnight ...	29-571 0 a.m. ... 29
29-897	29-870	29-855	29-853	29-850	29-869	29-885	29-911	29-937	29-917	29-966	10 a.m. ...	29-850 8 p.m. ... 30
29-574	29-581	29-590	29-599	29-605	29-613	29-619	29-624	29-633	29-603	...	.....	..... Mean.

Absolute Minimum = 28-737 on 3:d at 1 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

MACQUARIE ISLAND.

BAROMETER (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 p.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.964	30.006	30.012	30.043	30.045	30.071	30.094	30.100	30.118	30.113	30.118	30.113	30.008	30.008	30.103
2	30.030	30.018	30.014	30.009	30.003	29.998	29.993	29.988	29.988	29.997	29.997	29.986	29.975	29.979	29.988
3	30.023	30.023	29.997	29.971	29.986	29.981	29.976	29.950	29.919	29.919	29.892	29.865	29.829	29.802	29.747
4	29.479	29.471	29.471	29.458	29.458	29.450	29.442	29.435	29.418	29.410	29.352	29.333	29.304	29.281	29.253
5	29.207	29.335	29.335	29.335	29.329	29.329	29.323	29.317	29.316	29.286	29.256	29.214	29.195	29.176	29.176
6	29.152	29.142	29.142	29.132	29.122	29.122	29.122	29.112	29.102	29.094	29.086	29.069	29.070	29.080	29.098
7	29.423	29.444	29.455	29.460	29.460	29.476	29.487	29.498	29.508	29.514	29.520	29.511	29.502	29.502	29.513
8	29.512	29.512	29.511	29.510	29.508	29.508	29.508	29.508	29.500	29.507	29.511	29.492	29.470	29.470	29.483
9	29.498	29.493	29.488	29.483	29.483	29.488	29.494	29.517	29.523	29.537	29.547	29.536	29.550	29.550	29.569
10	29.734	29.741	29.741	29.738	29.726	29.726	29.726	29.726	29.726	29.726	29.732	29.732	29.738	29.744	
11	29.910	29.910	29.910	29.914	29.914	29.914	29.914	29.914	29.922	29.922	29.918	29.912	29.901	29.898	29.898
12	29.780	29.753	29.732	29.726	29.710	29.694	29.689	29.668	29.624	29.603	29.571	29.527	29.490	29.441	29.403
13	29.160	29.171	29.176	29.219	29.245	29.277	29.332	29.369	29.364	29.382	29.405	29.495	29.380	29.386	29.417
14	29.555	29.578	29.591	29.631	29.649	29.690	29.731	29.760	29.783	29.807	29.831	29.843	29.853	29.891	29.909
15	30.029	30.047	30.042	30.053	30.053	30.076	30.076	30.087	30.098	30.085	30.063	30.059	30.048	30.037	30.037
16	29.932	29.919	29.895	29.871	29.832	29.813	29.794	29.770	29.757	29.742	29.742	29.747	29.752	29.768	29.814
17	30.066	30.073	30.073	30.080	30.080	30.080	30.087	30.106	30.102	30.107	30.107	30.082	30.067	30.057	30.057
18	30.013	30.002	29.985	29.968	29.958	29.941	29.931	29.914	29.892	29.859	29.837	29.815	29.782	29.737	29.704
19	29.577	29.575	29.575	29.572	29.560	29.555	29.543	29.526	29.516	29.490	29.471	29.446	29.421	29.401	29.382
20	29.254	29.259	29.265	29.270	29.308	29.335	29.362	29.400	29.433	29.457	29.481	29.490	29.513	29.532	
21	29.593	29.584	29.579	29.579	29.584	29.606	29.617	29.660	29.650	29.662	29.667	29.684	29.696	29.713	29.742
22	30.125	30.155	30.167	30.183	30.190	30.197	30.197	30.197	30.194	30.185	30.176	30.166	30.161	30.156	30.161
23	30.189	30.189	30.191	30.186	30.180	30.173	30.173	30.167	30.161	30.146	30.146	30.146	30.141	30.146	30.156
24	30.267	30.270	30.273	30.276	30.279	30.282	30.282	30.294	30.316	30.316	30.321	30.321	30.321	30.321	30.326
25	30.361	30.348	30.335	30.322	30.322	30.322	30.322	30.324	30.324	30.319	30.314	30.299	30.298	30.299	30.313
26	30.446	30.446	30.446	30.446	30.446	30.446	30.446	30.435	30.419	30.409	30.399	30.384	30.369	30.343	30.328
27	30.249	30.224	30.209	30.199	30.189	30.179	30.174	30.144	30.124	30.124	30.093	30.073	30.061	30.024	30.024
28	29.839	29.802	29.777	29.757	29.773	29.792	29.817	29.859	29.892	29.927	29.956	29.985	30.002	30.024	30.043
29	30.097	30.110	30.123	30.136	30.143	30.150	30.181	30.207	30.196	30.198	30.200	30.202	30.204	30.205	
30	30.287	30.287	30.281	30.250	30.217	30.181	30.163	30.126	30.080	30.036	30.007	29.983	29.964	29.949	29.949
31	29.999	29.999	29.999	29.999	29.999	29.999	29.999	29.998	29.980	29.980	29.980	29.958	29.944	29.944	
Mean.	29.834	29.837	29.832	29.831	29.829	29.833	29.838	29.840	29.836	29.833	29.831	29.822	29.807	29.801	29.807

Absolute Maximum = 30.450 on 26th at 2:45 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

29

## —HOURLY VALUES=continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JULY, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean:	Maximum.		Minimum.		Date:
30-116	30-116	30-116	30-120	30-091	30-083	30-062	30-041	30-041	30-069	30-120	7 p.m.	... 29-937	0 a.m. ...	1
30-000	20-012	30-012	30-012	30-023	30-023	30-023	30-023	30-023	30-008	30-041	0 a.m. ...	29-975	1 p.m. ...	2
29-731	29-666	29-601	29-530	29-508	29-508	29-508	29-494	29-486	29-799	30-023	0-2 a.m. ...	29-486	Midnight ...	3
29-246	29-222	29-222	29-216	29-221	29-225	29-255	29-269	29-290	29-345	29-486	0 a.m. ...	29-211	7:20 p.m. ...	4
29-168	29-180	29-193	29-193	29-185	29-175	29-165	29-165	29-144	29-244	29-335	2-4 a.m. ...	29-144	Midnight ...	5
20-136	20-177	20-208	20-244	20-280	20-306	20-339	20-390	20-401	20-167	20-401	Midnight ...	29-069	noon ...	6
20-500	20-503	20-506	20-506	20-509	20-512	20-512	20-512	20-512	20-491	20-520	11 a.m. ...	29-401	0 a.m. ...	7
20-401	20-499	20-507	20-507	20-511	20-508	20-503	20-503	20-503	20-503	20-512	0-2 a.m. ...	29-479	1-2 p.m. ...	8
20-575	20-575	20-609	20-626	20-654	20-677	20-695	20-702	20-727	20-562	20-727	Midnight ...	29-480	3:40 a.m. ...	9
20-765	20-785	20-797	20-818	20-850	20-871	20-880	20-893	20-897	20-769	20-897	Midnight ...	29-726	5-10 a.m. ...	10
20-808	20-883	20-883	20-873	20-863	20-843	20-838	20-828	20-807	20-803	20-922	9-10 a.m. ...	29-807	Midnight ...	11
20-350	20-297	20-256	20-226	20-196	20-166	20-152	20-143	20-138	20-486	20-807	0 a.m. ...	29-138	Midnight ...	12
20-425	20-430	20-431	20-436	20-448	20-450	20-456	20-497	20-526	20-366	20-526	Midnight ...	29-138	0 a.m. ...	13
20-913	20-929	20-049	20-957	20-969	20-985	20-996	30-007	30-018	20-816	30-018	Midnight ...	29-526	0 a.m. ...	14
30-025	30-013	30-001	29-996	29-979	29-974	29-968	29-962	29-956	30-033	30-098	9 a.m. ...	29-956	Midnight ...	15
20-831	20-877	20-916	20-933	20-961	30-018	30-030	30-042	30-054	20-865	30-054	Midnight ...	29-742	10-11 a.m. ...	16
30-047	-30-038	30-029	30-029	30-029	30-029	30-029	30-029	30-018	30-063	30-107	10-11 a.m. ...	30-018	Midnight ...	17
20-681	20-669	20-635	20-629	20-612	20-600	20-588	20-583	20-577	20-797	30-018	0 a.m. ...	29-577	Midnight ...	18
20-368	20-363	20-339	20-320	20-296	20-272	20-240	20-222	20-238	20-435	20-577	0 a.m. ...	20-222	11 p.m. ...	19
20-558	20-566	20-564	20-580	20-588	20-603	20-603	20-603	20-598	20-446	20-603	9-11 p.m. ...	20-238	0 a.m. ...	20
20-778	20-806	20-851	20-887	20-932	20-977	30-013	30-065	30-095	20-741	30-095	Midnight ...	29-579	3-4 a.m. ...	21
30-164	30-167	30-170	30-173	30-179	30-193	30-196	30-196	30-189	30-175	30-197	6-8 a.m. ...	30-125	1 a.m. ...	22
30-171	30-191	30-206	30-215	30-241	30-261	30-264	30-264	30-267	30-189	30-207	Midnight ...	30-141	1 p.m. ...	23
30-331	30-348	30-365	30-370	30-375	30-380	30-381	30-361	30-361	30-320	30-380	9 p.m. ...	30-267	0-1 a.m. ...	24
30-329	30-366	30-382	30-414	30-420	30-436	30-441	30-441	30-446	30-353	30-446	Midnight ...	30-299	1 p.m. ...	25
30-313	30-304	30-289	30-274	30-274	30-269	30-264	30-254	30-367	30-450	2-45 a.m. ...	30-254	Midnight ...	26	
30-019	29-903	29-983	29-973	29-952	29-931	29-915	29-885	29-854	30-075	30-254	0 a.m. ...	29-854	Midnight ...	27
30-055	30-074	30-093	30-100	30-107	30-104	30-104	30-104	30-090	29-957	30-110	8-50 p.m. ...	29-752	4:30 a.m. ...	28
30-225	30-230	30-240	30-269	30-284	30-289	30-293	30-293	30-293	30-203	30-293	10-12 p.m. ...	30-090	0 a.m. ...	29
29-956	29-947	29-954	29-967	29-980	30-001	29-990	29-990	29-999	30-070	30-293	0 a.m. ...	29-947	5:20 p.m. ...	30
29-930	29-927	29-909	29-897	29-873	29-868	29-841	29-836	29-814	29-949	29-999	0-8 a.m. ...	29-814	Midnight ...	31
29-810	29-811	29-813	29-816	29-819	29-824	29-824	29-826	29-826	29-824	...	.....	...	.....	Mean.

Absolute Minimum = 29-069 on 6th at noon.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.792	29.776	29.749	29.711	29.668	29.641	29.625	29.630	29.625	29.617	29.586	29.595	29.584	29.563	29.552
2	29.301	29.272	29.248	29.229	29.210	29.226	29.262	29.203	29.319	29.356	29.388	29.415	29.442	29.496	29.550
3	29.785	29.790	29.795	29.795	29.789	29.784	29.778	29.773	29.761	29.745	29.724	29.698	29.661	29.640	29.629
4	29.533	29.527	29.521	29.510	29.499	29.493	29.465	29.454	29.437	29.419	29.396	29.373	29.336	29.329	29.319
5	29.155	29.169	29.177	29.212	29.236	29.265	29.294	29.349	29.378	29.400	29.413	29.417	29.412	29.400	29.377
6	29.225	29.261	29.266	29.271	29.276	29.281	29.271	29.252	29.209	29.166	29.141	29.121	29.096	29.070	
7	28.735	28.730	28.721	28.726	28.726	28.731	28.736	28.726	28.694	28.655	28.599	28.576	28.565	28.520	28.486
8	28.572	28.594	28.610	28.626	28.632	28.648	28.670	28.686	28.702	28.713	28.724	28.729	28.745	28.767	28.821
9	29.161	29.167	29.173	29.179	29.184	29.189	29.189	29.189	29.189	29.189	29.189	29.168	29.170	29.162	29.169
10	29.349	29.380	29.411	29.448	29.485	29.522	29.548	29.596	29.622	29.654	29.659	29.677	29.691	29.738	29.777
11	30.117	30.134	30.150	30.178	30.195	30.216	30.227	30.249	30.255	30.268	30.264	30.260	30.256	30.269	30.275
12	30.106	30.079	30.052	30.019	29.992	29.976	29.964	29.947	29.914	29.888	29.870	29.852	29.831	29.800	
13	29.752	29.752	29.744	29.736	29.728	29.713	29.713	29.705	29.690	29.670	29.665	29.645	29.621	29.596	29.581
14	29.503	29.509	29.532	29.556	29.580	29.621	29.645	29.686	29.710	29.732	29.750	29.744	29.738	29.738	29.732
15	29.453	29.418	29.408	29.403	29.408	29.413	29.489	29.560	29.611	29.633	29.677	29.699	29.721	29.733	29.755
16	29.657	29.600	29.543	29.497	29.491	29.442	29.409	29.392	29.387	29.387	29.410	29.410	29.433	29.442	29.471
17	29.518	29.513	29.508	29.495	29.500	29.505	29.510	29.521	29.537	29.548	29.564	29.564	29.564	29.580	29.501
18	29.543	29.533	29.518	29.508	29.503	29.493	29.488	29.478	29.439	29.427	29.415	29.403	29.396	29.373	29.373
19	29.454	29.466	29.466	29.466	29.472	29.468	29.464	29.455	29.428	29.416	29.399	29.370	29.341	29.335	29.330
20	29.405	29.405	29.405	29.410	29.421	29.438	29.455	29.465	29.470	29.460	29.455	29.444	29.434	29.423	29.418
21	29.505	29.517	29.523	29.540	29.552	29.574	29.607	29.640	29.663	29.685	29.707	29.717	29.755	29.771	29.798
22	30.045	30.056	30.067	30.083	30.094	30.110	30.132	30.143	30.148	30.148	30.137	30.119	30.136	30.125	30.125
23	30.052	30.036	30.019	30.007	30.001	29.989	29.983	29.966	29.954	29.931	29.920	29.897	29.869	29.846	29.835
24	29.735	29.746	29.756	29.770	29.813	29.851	29.804	29.937	29.965	29.991	30.000	30.009	30.018	30.032	30.053
25	29.954	29.941	29.922	29.909	29.896	29.890	29.890	29.884	29.871	29.868	29.865	29.852	29.864	29.871	29.871
26	29.837	29.822	29.803	29.793	29.783	29.759	29.754	29.713	29.680	29.656	29.610	29.570	29.514	29.495	29.455
27	29.205	29.202	29.199	29.177	29.165	29.162	29.162	29.159	29.166	29.166	29.192	29.208	29.229	29.261	29.277
28	29.522	29.537	29.557	29.557	29.554	29.554	29.554	29.554	29.548	29.538	29.528	29.513	29.497	29.497	29.487
29	29.383	29.370	29.363	29.356	29.350	29.353	29.365	29.365	29.365	29.363	29.361	29.350	29.348	29.346	29.349
30	29.489	29.501	29.506	29.517	29.534	29.545	29.557	29.569	29.571	29.571	29.574	29.582	29.582	29.598	29.606
31	29.812	29.822	29.837	29.847	29.867	29.887	29.907	29.912	29.917	29.925	29.925	29.933	29.953	29.961	29.974
Mean.	29.537	29.536	29.534	29.533	29.536	29.540	29.549	29.557	29.557	29.556	29.553	29.546	29.543	29.543	29.545

Absolute Maximum = 30.275 on 11th from 3 to 4 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

31

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

AUGUST, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date	
29-526	29-505	29-489	29-468	29-442	29-416	29-402	29-373	29-339	29-563	29-814	0 a.m. ...	29-339	Midnight ... 1
29-581	29-621	29-661	29-696	29-711	29-751	29-759	29-772	29-777	29-463	29-777	Midnight ...	29-205	5-20 a.m. ... 2
29-601	29-579	29-557	29-557	29-557	29-557	29-551	29-545	29-539	29-680	29-795	3-4 a.m. ...	29-539	Midnight ... 3
29-293	29-271	29-244	29-211	29-162	29-114	29-114	29-122	29-136	29-353	29-539	0 a.m. ...	29-109	8-50 p.m. ... 4
29-344	29-311	29-273	29-245	29-228	29-195	29-180	29-195	20-210	29-283	29-422	11-50 a.m. ...	29-136	0 a.m. ... 5
29-040	29-017	28-981	28-945	28-922	28-864	28-818	28-772	28-740	29-105	29-281	7 a.m. ...	28-740	Midnight ... 6
28-430	28-374	28-343	28-318	28-346	28-372	28-432	28-486	28-540	28-569	28-740	0 a.m. ...	28-313	7-10 p.m. ... 7
28-831	28-862	28-910	28-951	29-005	29-031	29-071	29-101	29-125	28-785	29-125	Midnight ...	28-540	0 a.m. ... 8
29-174	29-174	29-190	29-212	29-234	29-239	29-265	29-281	29-312	29-194	29-312	Midnight ...	29-125	0 a.m. ... 9
29-824	29-868	29-917	29-957	29-997	30-012	30-056	30-084	30-095	29-707	30-095	Midnight ...	29-312	0 a.m. ... 10
30-275	30-265	30-260	30-230	30-220	30-205	30-188	30-161	30-149	30-217	30-275	3-4 p.m. ...	30-095	0 a.m. ... 11
29-782	29-758	29-752	29-732	29-756	29-760	29-760	29-752	29-752	29-880	30-149	0 a.m. ...	29-750	5-40 p.m. ... 12
29-571	29-566	29-556	29-551	29-546	29-541	29-529	29-517	29-509	29-638	29-752	0-2 a.m. ...	29-509	Midnight ... 13
29-725	29-702	29-673	29-644	29-621	29-587	29-557	29-532	29-502	29-638	29-750	11 a.m. ...	29-502	Midnight ... 14
29-773	29-786	29-790	29-794	29-772	29-761	29-738	29-715	29-686	29-620	29-794	7 p.m. ...	29-403	4 a.m. ... 15
29-486	29-501	29-525	29-554	29-554	29-536	29-536	29-527	29-493	29-686	0 a.m. ...	29-387	9-10 a.m. ...	16
29-597	29-600	29-603	29-603	29-603	29-588	29-588	29-588	29-557	29-608	6-40 p.m. ...	29-495	4 a.m. ...	17
29-373	29-385	29-385	29-397	29-406	29-418	29-430	29-442	29-448	29-443	29-588	0 a.m. ...	29-373	2-4 p.m. ... 18
29-325	39-317	29-312	29-345	29-367	29-400	29-400	29-405	29-401	29-472	5 a.m. ...	29-312	6 p.m. ...	19
29-418	29-418	29-430	29-432	29-445	29-469	29-475	29-487	29-493	29-439	29-493	Midnight ...	29-405	0-3 a.m. ... 20
29-819	29-840	29-878	29-926	29-942	29-963	29-985	30-012	30-023	29-737	30-023	Midnight ...	29-493	0 a.m. ... 21
30-125	30-121	30-117	30-122	30-113	30-094	30-088	30-076	30-059	30-106	30-150	10-30 a.m. ...	30-023	0 a.m. ... 22
29-812	29-808	29-799	29-790	29-776	29-767	29-751	29-741	29-736	29-893	30-059	0 a.m. ...	29-736	Midnight ... 23
30-049	30-049	30-045	30-041	30-037	30-024	30-011	29-998	29-973	29-945	30-053	3 p.m. ...	29-735	1 a.m. ... 24
29-892	29-907	29-917	29-917	29-917	29-907	29-887	29-867	29-852	29-895	29-973	0 a.m. ...	29-850	11-30 a.m. ... 25
29-410	29-365	29-315	29-265	29-220	29-201	29-193	29-205	29-205	29-548	29-852	0 a.m. ...	29-190	9-50 p.m. ... 26
29-301	29-321	29-341	29-365	29-389	29-422	29-449	29-469	29-507	29-264	29-507	Midnight ...	29-159	8 a.m. ... 27
29-475	29-468	29-456	29-449	29-442	29-429	29-416	29-409	29-396	29-500	29-557	3-4 a.m. ...	29-396	Midnight ... 28
29-358	29-367	29-372	29-381	29-395	29-413	29-440	29-440	29-457	29-374	29-457	Midnight ...	29-346	2 p.m. ... 29
29-618	29-635	29-659	29-683	29-718	29-742	29-767	29-777	29-787	29-605	29-787	Midnight ...	29-457	0 a.m. ... 30
29-982	29-999	30-012	30-020	30-023	30-031	30-031	30-031	30-040	29-938	30-040	Midnight ...	29-787	0 a.m. ... 31
29-542	29-541	29-541	29-543	29-544	29-543	29-544	29-545	29-545	29-543	...	.....	.....	Mean.

Absolute Minimum = 28-313 on 7th at 7:10 p.m.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	30.050	30.059	30.064	30.069	30.079	30.088	30.102	30.092	30.092	30.086	30.074	30.077	30.060	30.060	30.072
2	30.090	30.068	30.061	30.054	30.054	30.054	30.054	30.047	30.032	30.026	30.025	30.024	30.023	30.027	30.030
3	30.027	30.023	30.019	30.015	30.011	30.007	30.007	30.013	30.006	29.995	29.995	29.970	29.950	29.945	29.930
4	29.872	29.861	29.861	29.850	29.850	29.839	29.839	29.827	29.813	29.794	29.779	29.754	29.729	29.704	29.699
5	29.704	29.681	29.671	29.654	29.637	29.625	29.620	29.625	29.630	29.639	29.639	29.633	29.637	29.641	
6	29.667	29.662	29.662	29.662	29.657	29.657	29.662	29.683	29.681	29.676	29.671	29.660	29.654	29.649	29.643
7	29.602	29.564	29.556	29.512	29.507	29.501	29.495	29.495	29.471	29.468	29.468	29.450	29.423	29.405	29.382
8	29.219	29.197	29.181	29.165	29.165	29.165	29.154	29.138	29.132	29.132	29.132	29.118	29.118	29.110	29.101
9	29.079	29.076	29.073	29.066	29.073	29.086	29.112	29.131	29.117	29.114	29.121	29.128	29.141	29.154	29.183
10	29.310	29.310	29.310	29.310	29.310	29.310	29.310	29.296	29.277	29.258	29.234	29.210	29.181	29.162	29.147
11	29.042	29.080	29.125	29.152	29.179	29.206	29.233	29.271	29.283	29.303	29.323	29.331	29.339	29.347	29.361
12	29.398	29.393	29.385	29.380	29.375	29.375	29.375	29.376	29.352	29.341	29.336	29.315	29.288	29.272	29.267
13	29.186	29.186	29.186	29.182	29.178	29.181	29.183	29.187	29.186	29.173	29.166	29.152	29.145	29.138	29.131
14	29.017	29.001	28.968	28.941	28.898	28.871	28.844	28.823	28.797	28.788	28.774	28.764	28.759	28.745	28.731
15	28.666	28.666	28.654	28.642	28.635	28.635	28.635	28.623	28.605	28.578	28.551	28.535	28.539	28.539	28.544
16	28.571	28.571	28.571	28.578	28.585	28.592	28.611	28.637	28.607	28.606	28.614	28.622	28.610	28.635	28.650
17	28.749	28.742	28.729	28.705	28.698	28.680	28.667	28.649	28.626	28.624	28.631	28.645	28.659	28.667	28.681
18	28.778	28.805	28.832	28.879	28.921	28.963	29.021	29.075	29.123	29.160	29.188	29.233	29.265	29.285	29.326
19	29.683	29.696	29.733	29.740	29.753	29.766	29.797	29.803	29.816	29.819	29.819	29.812	29.800	29.794	29.787
20	29.748	29.740	29.714	29.694	29.686	29.678	29.678	29.678	29.670	29.653	29.649	29.627	29.627	29.627	29.627
21	29.687	29.687	29.687	29.687	29.691	29.705	29.714	29.708	29.712	29.720	29.723	29.706	29.700	29.700	29.700
22	29.657	29.639	29.621	29.603	29.591	29.591	29.590	29.583	29.576	29.572	29.559	29.555	29.546	29.542	29.538
23	29.570	29.573	29.576	29.583	29.590	29.597	29.600	29.600	29.620	29.599	29.598	29.592	29.586	29.581	29.581
24	29.462	29.438	29.414	29.390	29.377	29.347	29.323	29.310	29.297	29.274	29.260	29.247	29.238	29.225	29.211
25	29.284	29.303	29.329	29.342	29.361	29.374	29.392	29.410	29.446	29.462	29.478	29.473	29.503	29.513	29.513
26	29.510	29.496	29.501	29.492	29.508	29.508	29.518	29.534	29.539	29.539	29.545	29.551	29.557	29.562	29.562
27	29.571	29.577	29.577	29.577	29.575	29.575	29.575	29.575	29.567	29.567	29.567	29.557	29.537	29.508	29.479
28	29.315	29.305	29.295	29.290	29.280	29.275	29.270	29.265	29.249	29.245	29.245	29.245	29.239	29.235	29.231
29	29.462	29.477	29.477	29.492	29.507	29.502	29.497	29.492	29.471	29.442	29.397	29.327	29.264	29.186	29.135
30	28.969	28.949	28.929	28.919	28.909	28.904	28.895	28.870	28.780	28.739	28.693	28.652	28.680	28.674	28.688
Mean.	29.398	29.394	29.392	29.387	29.388	29.389	29.392	29.394	29.386	29.380	29.375	29.366	29.356	29.351	29.352

Absolute Maximum = 30.103 on 1st at 6.30 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

33

—HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

SEPTEMBER, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
30-072	30-079	30-086	30-093	30-100	30-097	30-097	30-097	30-097	30-080	30-103	6-30 p.m. ...	30-040 0 a.m. .... 1
30-028	30-023	30-020	30-024	30-023	30-021	30-027	30-027	30-027	30-039	30-097	0 a.m. ...	30-020 6 p.m. .... 2
29-922	29-918	29-905	29-902	29-902	29-899	29-899	29-899	29-883	29-963	30-030	0-20 a.m. ...	29-880 11-50 p.m. .... 3
29-692	29-699	29-706	29-706	29-703	29-709	29-714	29-709	29-714	29-767	29-883	0 a.m. ...	29-692 4 p.m. .... 4
29-648	29-648	29-662	29-669	29-677	29-677	29-672	29-672	29-672	29-654	29-714	0 a.m. ...	29-620 7 a.m. .... 5
29-643	29-662	29-662	29-662	29-655	29-644	29-632	29-626	29-614	29-657	29-683	8 a.m. ...	29-614 Midnight ... 6
29-374	29-356	29-348	29-335	29-317	29-289	29-273	29-246	29-230	29-427	29-614	0 a.m. ...	29-230 Midnight ... 7
29-101	29-099	29-089	29-090	29-090	29-088	29-088	29-085	29-082	29-130	29-230	0 a.m. ...	29-082 Midnight ... 8
29-196	29-216	29-234	29-247	29-267	29-280	29-286	29-302	29-308	29-162	29-308	Midnight ...	29-066 4 a.m. .... 9
29-112	29-103	29-088	29-058	29-049	29-035	29-031	29-008	29-004	29-191	29-310	0-30-7-40 a.m.	29-004 Midnight ... 10
29-372	29-372	29-375	29-378	29-378	29-393	29-393	29-402	29-393	29-285	29-402	11 p.m. ...	29-004 0 a.m. .... 11
29-243	29-231	29-219	29-213	29-208	29-190	29-186	29-186	29-186	29-300	29-398	0-1 a.m. ...	29-186 10-Midnight ... 12
29-125	29-119	29-101	29-101	29-089	29-076	29-060	29-039	29-028	29-139	29-190	8-30 a.m. ...	29-028 Midnight ... 13
28-721	28-716	28-707	28-707	28-702	28-693	28-686	28-673	28-673	28-799	29-028	0 a.m. ...	28-673 Midnight ... 14
28-549	28-565	28-576	28-576	28-576	28-571	28-571	28-571	28-593	28-673	0 a.m. ...	28-535 Noon ... 15	
28-674	28-682	28-695	28-714	28-738	28-746	28-746	28-746	28-749	28-644	28-749	Midnight ...	28-571 0-3 a.m. .... 16
28-693	28-705	28-711	28-723	28-729	28-741	28-752	28-757	28-762	28-697	28-762	Midnight ...	28-624 10 a.m. .... 17
29-372	29-429	29-457	29-503	29-549	29-583	29-602	29-633	29-646	29-216	29-646	Midnight ...	28-778 1 a.m. .... 18
29-783	29-774	29-774	29-770	29-776	29-762	29-754	29-756	29-756	29-769	29-819	9-50-11-50 a.m.	29-683 1 a.m. .... 19
29-039	29-656	29-668	29-675	29-675	29-675	29-679	29-683	29-687	29-674	29-756	0 a.m. ...	29-624 2-30 p.m. .... 20
29-700	29-700	29-700	29-706	29-706	29-706	29-699	29-687	29-675	29-701	29-726	10-30 a.m. ...	29-675 Midnight ... 21
29-538	29-538	29-541	29-549	20-549	29-552	29-552	29-555	29-558	29-573	29-675	0 a.m. ...	29-538 3-5 p.m. .... 22
29-569	29-562	29-536	29-529	29-517	29-513	29-506	29-493	29-480	29-566	29-620	9 a.m. ...	29-480 Midnight ... 23
29-217	29-223	29-225	29-227	29-230	29-251	29-264	29-271	29-284	29-296	29-480	0 a.m. ...	29-211 3 p.m. .... 24
29-519	29-523	29-525	29-526	29-525	29-515	29-515	29-520	29-515	29-449	29-526	7 p.m. ...	29-284 1 a.m. .... 25
29-563	29-568	29-568	29-563	29-567	29-567	29-564	29-564	29-571	29-541	29-571	Midnight ...	29-492 4 a.m. .... 26
29-465	29-456	29-438	29-411	29-389	29-371	29-350	29-340	29-330	29-501	29-577	2-4 a.m. ...	29-330 Midnight ... 27
29-231	29-242	29-253	29-292	29-331	29-365	29-399	29-423	29-452	29-288	29-452	Midnight ...	29-231 3-4 p.m. .... 28
29-097	29-063	29-024	29-007	29-003	29-003	29-984	28-969	29-272	29-507	5 a.m. ...	28-969 Midnight ... 29	
28-742	28-779	28-816	28-843	28-863	28-890	28-900	28-932	28-953	28-824	28-969	0 a.m. ...	28-549 1-40 p.m. .... 30
29-353	29-357	29-357	29-360	29-363	29-363	29-363	29-363	29-361	29-373	...	.....	...
												Mean.

Absolute Minimum = 28-535 on 15th at noon.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.-ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	28.969	28.995	29.005	29.021	29.037	29.037	29.027	29.017	29.012	28.996	28.975	28.954	28.933	28.912	28.901
2	28.941	28.958	28.975	28.981	28.981	28.981	28.977	28.977	28.973	28.943	28.916	28.883	28.866	28.914	28.937
3	29.075	29.075	29.075	29.075	29.075	29.075	29.079	29.079	29.079	29.079	29.085	29.064	29.052	29.016	28.980
4	29.053	29.072	29.091	29.120	29.144	29.163	29.163	29.197	29.216	29.228	29.235	29.235	29.226	29.217	
5	28.836	28.783	28.736	28.673	28.656	28.622	28.594	28.566	28.525	28.517	28.517	28.575	28.639	28.703	28.745
6	29.204	29.233	29.261	29.279	29.297	29.204	29.316	29.313	29.310	29.292	29.286	29.280	29.280	29.262	29.244
7	29.315	29.323	29.323	29.323	29.327	29.327	29.321	29.330	29.322	29.303	29.247	29.212	29.163	29.093	29.027
8	28.930	28.949	28.959	28.978	28.982	29.007	29.002	29.002	29.007	28.965	28.933	28.896	28.854	28.802	28.739
9	28.455	28.510	28.574	28.635	28.683	28.725	28.767	28.803	28.834	28.870	28.891	28.912	28.938	28.953	28.974
10	29.021	29.026	29.048	29.070	29.075	29.092	29.097	30.012	29.089	29.077	29.059	29.031	29.024	29.017	29.010
11	28.979	28.954	28.933	28.901	28.886	28.838	28.833	28.823	28.802	28.787	28.772	28.757	28.733	28.718	28.693
12	28.976	29.008	29.023	29.052	29.059	29.066	29.090	29.090	29.087	29.081	29.070	29.017	28.990	28.958	28.905
13	29.083	29.118	29.140	29.175	29.210	29.233	29.260	29.287	29.298	29.307	29.320	29.329	29.329	29.329	29.329
14	29.303	29.274	29.263	29.218	29.212	29.206	29.214	29.223	29.227	29.241	29.259	29.273	29.282	29.296	29.305
15	29.273	29.287	29.310	29.323	29.351	29.372	29.386	29.400	29.418	29.426	29.439	29.453	29.461	29.469	29.495
16	29.702	29.714	29.742	29.759	29.787	29.815	29.843	29.850	29.867	29.872	29.877	29.880	29.885	29.885	29.899
17	29.830	29.830	29.821	29.816	29.816	29.816	29.816	29.806	29.801	29.757	29.735	29.718	29.701	29.662	29.645
18	29.503	29.487	29.471	29.439	29.423	29.408	29.398	29.388	29.373	29.350	29.336	29.313	29.299	29.285	29.262
19	29.052	29.057	29.071	29.071	29.076	29.081	29.086	29.086	29.081	29.082	29.078	29.079	29.075	29.076	29.063
20	28.981	28.947	28.922	28.917	28.902	28.902	28.902	28.897	28.922	28.927	28.932	28.937	28.947	28.967	29.043
21	29.471	29.491	29.516	29.541	29.566	29.591	29.611	29.654	29.721	29.737	29.764	29.785	29.824	29.840	29.867
22	29.049	29.044	29.039	29.028	29.028	29.022	29.017	29.006	29.084	29.056	29.022	29.794	29.771	29.743	29.709
23	29.559	29.559	29.555	29.555	29.555	29.555	29.555	29.567	29.592	29.603	29.614	29.625	29.642	29.670	29.681
24	29.596	29.552	29.483	29.393	29.328	29.248	29.221	29.221	29.244	29.282	29.326	29.331	29.358	29.364	29.369
25	29.402	29.402	29.424	29.436	29.487	29.533	29.572	29.599	29.626	29.647	29.662	29.682	29.697	29.707	29.702
26	29.755	29.755	29.748	29.748	29.758	29.761	29.764	29.764	29.759	29.765	29.777	29.783	29.788	29.793	
27	29.864	29.865	29.866	29.867	29.868	29.868	29.862	29.856	29.850	29.845	29.820	29.796	29.777	29.748	29.729
28	29.516	29.526	29.551	29.583	29.631	29.656	29.696	29.708	29.708	29.707	29.707	29.706	29.722	29.721	29.730
29	29.413	29.318	29.277	29.267	29.291	29.320	29.349	29.364	29.374	29.395	29.397	29.402	29.407	29.412	29.417
30	29.565	29.560	29.549	29.533	29.502	29.471	29.440	29.377	29.325	29.271	29.190	29.114	29.060	29.027	28.999
31	29.129	29.143	29.143	29.157	29.154	29.151	29.145	29.131	29.125	29.107	29.095	29.080	29.088	29.092	29.090
Mean.	29.281	29.281	29.284	29.285	29.292	29.292	29.300	29.300	29.305	29.300	29.294	29.287	29.285	29.279	29.274

Absolute Maximum = 29.964 on 21st at 10.40 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

35

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

OCTOBER, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
28.868	28.835	28.807	28.820	28.841	28.848	28.848	28.886	28.924	28.937	29.040	5.30 a.m. ...	28.807 6 p.m. ... 1
28.962	28.987	29.012	29.032	29.053	29.053	29.058	29.062	29.071	28.979	29.071	Midnight ...	28.880 12.30 p.m. ... 2
28.927	28.895	28.877	28.867	28.875	28.894	28.961	28.995	29.029	29.013	29.085	11 a.m. ...	28.866 6.30 p.m. ... 3
29.178	29.166	29.121	29.088	29.060	29.015	28.968	28.930	28.883	29.128	29.235	10.50-1.20pm	28.883 Midnight ... 4
28.787	28.823	28.874	28.945	28.081	29.052	29.097	29.147	29.181	28.769	29.181	Midnight ...	28.502 10.30 a.m. ... 5
29.215	29.192	29.169	29.194	29.219	29.236	29.253	29.280	29.307	29.253	29.316	7 a.m. ...	29.164 6.40 p.m. ... 6
28.988	28.965	28.953	28.966	28.970	28.970	28.955	28.940	28.930	29.158	29.344	8.20 a.m. ...	28.930 Midnight ... 7
28.656	28.613	28.538	28.505	28.482	28.454	28.406	28.399	28.412	28.780	29.012	5.50 a.m. ...	28.399 11 p.m. ... 8
28.988	29.006	29.020	29.034	29.053	29.057	29.044	29.026	28.854	29.057	29.057	9.10 p.m. ...	28.412 0 a.m. ... 9
29.010	29.002	29.004	29.006	29.012	29.019	29.009	28.999	28.989	29.034	30.012	8 a.m. ...	28.989 Midnight ... 10
28.669	28.662	28.655	28.671	28.710	28.756	28.817	28.878	28.933	28.799	28.989	0 a.m. ...	28.650 6.20 p.m. ... 11
29.388	28.871	28.875	28.905	28.943	28.943	28.972	29.025	29.030	28.995	29.090	7.8 a.m. ...	28.871 5 p.m. ... 12
29.333	29.338	29.338	29.343	29.343	29.337	29.337	29.326	29.277	29.348	29.348	7.30 p.m. ...	29.060 0 a.m. ... 13
29.317	29.323	29.329	29.325	29.328	29.316	29.305	29.305	29.284	29.277	29.335	7 p.m. ...	29.206 6 a.m. ... 14
29.510	29.525	29.540	29.576	29.596	29.622	29.640	29.657	29.685	29.459	29.685	Midnight ...	29.273 1 a.m. ... 15
29.912	29.904	29.896	29.876	29.898	29.890	29.867	29.858	29.844	29.843	29.917	4.20 p.m. ...	29.685 0 a.m. ... 16
29.611	29.589	29.583	29.583	29.577	29.565	29.555	29.534	29.524	29.702	29.844	0 a.m. ...	29.524 Midnight ... 17
29.236	29.210	29.184	29.174	29.143	29.107	29.035	29.074	29.063	29.302	29.524	0 a.m. ...	29.063 Midnight ... 18
29.029	29.012	29.012	29.015	29.018	29.021	29.011	29.006	28.991	29.053	29.090	7.40 a.m. ...	28.991 Midnight ... 19
29.113	29.166	29.230	29.302	29.334	29.377	29.421	29.436	29.446	29.068	29.446	Midnight ...	28.897 8 a.m. ... 20
29.871	29.886	29.898	29.926	29.941	29.953	29.957	29.961	29.955	29.753	29.964	10.40 p.m. ...	29.446 0 a.m. ... 21
29.668	29.645	29.631	29.612	29.593	29.595	29.579	29.571	29.567	29.778	29.955	0 a.m. ...	29.567 Midnight ... 22
29.682	29.696	29.702	29.703	29.704	29.704	29.688	29.672	29.645	29.627	29.704	8.9 p.m. ...	29.555 3.7 a.m. ... 23
29.373	29.381	29.390	29.384	29.388	29.392	29.388	29.394	29.390	29.371	29.645	0 a.m. ...	29.221 7.8 a.m. ... 24
29.700	29.700	29.730	29.736	29.744	29.752	29.762	29.755	29.755	29.627	29.766	9.30 p.m. ...	29.390 0 a.m. ... 25
29.793	29.810	29.824	29.838	29.848	29.849	29.849	29.854	29.850	29.790	29.859	Midnight ...	29.743 3.4 a.m. ... 26
29.694	29.648	29.613	29.596	29.580	29.551	29.526	29.516	29.506	29.745	29.868	5.6 a.m. ...	29.506 Midnight ... 27
29.725	29.720	29.715	29.710	29.679	29.631	29.600	29.554	29.481	29.654	29.730	3 p.m. ...	29.481 Midnight ... 28
29.428	29.454	29.481	29.507	29.528	29.555	29.560	29.560	29.563	29.417	29.565	Midnight ...	29.262 4.30 a.m. ... 29
28.976	28.963	28.956	28.963	28.975	29.006	29.037	29.073	29.115	29.220	29.565	1 a.m. ...	28.956 6 p.m. ... 30
29.106	29.121	29.145	29.173	29.192	29.202	29.224	29.241	29.236	29.143	29.241	11 p.m. ...	29.088 1 p.m. ... 31
29.265	29.262	29.261	29.271	29.278	29.282	29.284	29.288	29.290	29.284	...	.....	..... Mean.

Absolute Minimum = 28.399 on 8th at 11 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.247	29.258	29.258	29.258	29.258	29.258	29.258	29.263	29.268	29.268	29.268	29.268	29.274	29.286	29.298
2	29.344	29.344	29.353	29.353	29.371	29.371	29.370	29.369	29.346	29.328	29.316	29.298	29.269	29.246	29.223
3	29.213	29.242	29.260	29.283	29.301	29.340	29.375	29.393	29.411	29.416	29.429	29.442	29.459	29.464	29.482
4	29.541	29.543	29.545	29.548	29.552	29.555	29.551	29.543	29.531	29.519	29.497	29.481	29.449	29.422	29.390
5	29.502	29.518	29.539	29.555	29.536	29.623	29.649	29.665	29.686	29.691	29.702	29.718	29.729	29.734	29.734
6	29.712	29.694	29.665	29.652	29.636	29.618	29.595	29.572	29.524	29.492	29.461	29.424	29.398	29.361	29.334
7	29.274	29.280	29.280	29.276	29.273	29.272	29.268	29.259	29.241	29.240	29.238	29.236	29.236	29.236	29.236
8	29.322	29.339	29.366	29.404	29.426	29.448	29.475	29.502	29.529	29.560	29.569	29.594	29.603	29.643	29.658
9	29.804	29.809	29.814	29.819	29.824	29.835	29.846	29.851	29.856	29.858	29.858	29.858	29.858	29.868	29.872
10	29.954	29.958	29.962	29.971	29.980	29.989	29.993	29.993	29.998	29.989	30.001	30.009	30.013	30.020	30.030
11	30.027	30.034	30.031	30.048	30.051	30.054	30.054	30.054	30.050	30.034	30.034	30.034	30.030	30.023	30.016
12	29.971	29.966	29.947	29.942	29.932	29.927	29.927	29.907	29.897	29.879	29.855	29.831	29.807	29.794	29.776
13	29.599	29.584	29.574	29.560	29.560	29.560	29.560	29.565	29.570	29.568	29.566	29.559	29.557	29.555	29.566
14	29.684	29.684	29.689	29.689	29.694	29.699	29.704	29.699	29.694	29.685	29.676	29.653	29.653	29.634	29.606
15	29.383	29.359	29.345	29.316	29.360	29.240	29.180	29.128	29.081	29.019	28.992	28.965	28.950	28.950	28.961
16	28.924	28.881	28.852	28.852	28.904	28.956	28.987	29.023	29.028	29.035	29.059	29.059	29.052	29.045	29.026
17	28.995	28.991	28.987	28.993	29.010	29.055	29.111	29.167	29.253	29.306	29.359	29.412	29.449	29.464	29.506
18	29.459	29.432	29.400	29.394	29.398	29.407	29.416	29.430	29.448	29.480	29.501	29.539	29.587	29.630	29.662
19	29.938	29.942	29.951	29.955	29.964	29.973	29.982	29.982	29.959	29.949	29.930	29.911	29.802	29.882	29.867
20	29.785	29.812	29.839	29.855	29.882	29.899	29.910	29.932	29.969	29.971	29.988	30.005	30.027	30.039	30.046
21	30.104	30.104	30.099	30.099	30.099	30.094	30.084	30.074	30.061	30.048	30.041	30.022	30.009	29.996	29.996
22	29.909	29.899	29.894	29.884	29.884	29.879	29.874	29.874	29.859	29.850	29.842	29.829	29.816	29.803	29.790
23	29.528	29.495	29.488	29.480	29.461	29.418	29.385	29.361	29.327	29.322	29.317	29.306	29.295	29.279	29.274
24	29.217	29.208	29.199	29.190	29.185	29.180	29.175	29.166	29.157	29.146	29.141	29.131	29.126	29.121	29.126
25	29.219	29.229	29.249	29.275	29.301	29.316	29.331	29.336	29.372	29.385	29.410	29.417	29.424	29.431	29.456
26	29.642	29.655	29.668	29.692	29.710	29.739	29.763	29.781	29.781	29.787	29.798	29.798	29.803	29.794	29.785
27	29.853	29.857	29.861	29.872	29.880	29.888	29.906	29.914	29.922	29.932	29.937	29.946	29.951	29.961	29.961
28	29.959	29.959	29.956	29.965	29.987	29.998	30.000	30.031	30.042	30.064	30.069	30.078	30.080	30.085	30.091
29	30.122	30.117	30.107	30.107	30.107	30.102	30.092	30.067	30.046	30.066	30.071	30.042	30.032	30.022	30.017
30	29.893	29.888	29.883	29.862	29.862	29.871	29.873	29.872	29.866	29.844	29.836	29.828	29.824	29.819	29.811
Mean.	29.604	29.602	29.602	29.605	29.615	29.615	29.624	29.626	29.625	29.624	29.625	29.623	29.622	29.620	29.620

Absolute Maximum = 30.134 on 28th at 9 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

37

-HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

NOVEMBER, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29-301	29-304	29-307	29-317	29-326	29-326	29-344	29-344	29-344	29-285	29-344	10 p.m.—m'd't	29-236
29-209	29-202	29-205	29-208	29-200	29-186	29-193	29-189	29-207	29-281	29-371	5-6 a.m. ...	29-186
29-489	29-502	29-530	29-553	29-554	29-553	29-535	29-535	29-535	29-423	29-554	8 p.m. ...	29-207
29-365	29-344	29-323	29-312	29-341	29-381	29-413	29-445	29-471	29-460	29-555	6 a.m. ...	29-312
29-734	29-734	29-734	29-745	29-751	29-751	29-744	29-737	29-730	29-673	29-751	8-9 p.m. ...	29-471
29-328	29-310	29-304	29-286	29-280	29-274	29-270	29-261	29-257	29-456	29-730	0 a.m. ...	29-257
29-236	29-236	29-236	29-241	29-261	29-266	29-271	29-293	29-305	29-257	29-305	Midnight ...	29-236
29-697	29-714	29-731	29-748	29-765	29-772	29-789	29-794	29-799	29-583	29-799	Midnight ...	29-305
29-876	29-908	29-912	29-920	29-929	29-933	29-942	29-951	29-960	29-870	29-960	Midnight ...	29-799
30-030	30-030	30-034	30-043	30-044	30-045	30-046	30-043	30-030	30-007	30-046	10 p.m. ...	29-954
30-010	30-010	30-010	30-017	30-017	30-011	30-011	30-001	29-981	30-028	30-054	6-8 a.m. ...	29-981
29-756	29-741	29-736	29-726	29-716	29-691	29-662	29-643	29-614	29-826	29-981	0 a.m. ...	29-614
29-579	29-587	29-505	29-615	29-635	29-655	29-669	29-674	29-679	29-590	29-679	Midnight ...	29-555
29-595	29-567	29-533	29-516	29-482	29-465	29-441	29-431	29-402	29-613	29-704	7 a.m. ...	29-402
28-998	29-009	29-010	29-021	29-016	29-017	28-988	28-978	28-949	29-102	29-402	0 a.m. ...	28-949
28-982	28-985	28-995	29-013	29-031	29-019	29-003	29-003	28-999	28-985	29-059	11 a.m.—noon	28-842
29-513	29-517	29-533	29-540	29-559	29-546	29-524	29-503	29-483	29-314	29-564	8-20 p.m. ...	28-987
29-704	29-744	29-784	29-819	29-859	29-877	29-899	29-902	29-925	29-603	29-925	Midnight ...	29-390
29-848	29-829	29-815	29-801	29-795	29-772	29-763	29-774	29-890	29-982	7-8 a.m. ...	29-763	3-30 a.m. ...
30-058	30-065	30-072	30-106	30-113	30-118	30-123	30-114	30-104	29-986	30-123	10 p.m. ...	29-774
29-989	29-989	29-964	29-964	29-957	29-938	29-933	29-923	30-027	30-104	0-2 a.m. ...	29-923	Midnight ...
29-768	29-732	29-725	29-689	29-682	29-646	29-622	29-590	29-552	29-795	29-923	0 a.m. ...	29-552
29-274	29-274	29-274	29-275	29-263	29-258	29-244	29-226	29-344	29-552	0 a.m. ...	29-226	Midnight ...
29-126	29-124	29-124	29-132	29-139	29-154	29-174	29-189	29-157	29-226	0 a.m. ...	29-121	2 p.m. ...
29-475	29-489	29-513	29-546	29-574	29-593	29-606	29-624	29-642	29-416	29-642	Midnight ...	29-189
29-774	29-753	29-747	29-761	29-770	29-798	29-822	29-846	29-850	29-759	29-850	Midnight ...	29-642
29-961	29-958	29-961	29-961	29-964	29-957	29-953	29-959	29-959	29-925	29-964	8 p.m. ...	29-853
30-100	30-109	30-114	30-118	30-123	30-134	30-132	30-130	30-127	30-057	30-134	9 p.m. ...	29-956
30-008	29-993	29-984	29-970	29-961	29-952	29-930	29-913	29-903	30-035	30-127	0 a.m. ...	29-903
29-770	29-770	29-770	29-770	29-771	29-766	29-766	29-766	29-826	29-903	0 a.m. ...	29-766	10 p.m.—m'd't
29-618	29-616	29-619	29-624	29-630	29-629	29-627	29-626	29-623	29-619	.....	.....	Mean.

Absolute Minimum = 28-842 on 16th at 3.30 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.766	29.767	29.768	29.768	29.775	29.782	29.789	29.789	29.785	29.785	29.783	29.771	29.765	29.753	
2	29.663	29.639	29.625	29.606	29.596	29.582	29.567	29.543	29.495	29.438	29.406	29.391	29.376	29.355	29.350
3	29.351	29.326	29.316	29.296	29.286	29.271	29.261	29.256	29.236	29.215	29.210	29.205	29.190	29.209	29.228
4	29.532	29.555	29.567	29.584	29.606	29.623	29.635	29.644	29.647	29.650	29.671	29.676	29.672	29.677	29.682
5	29.580	29.537	29.509	29.461	29.428	29.400	29.393	29.396	29.399	29.415	29.435	29.443	29.450	29.483	29.499
6	29.552	29.536	29.516	29.496	29.476	29.447	29.427	29.398	29.379	29.350	29.330	29.305	29.276	29.251	29.221
7	29.011	29.001	29.001	29.001	29.011	29.021	29.058	29.073	29.102	29.161	29.204	29.236	29.284	29.310	29.331
8	29.299	29.302	29.302	29.305	29.308	29.311	29.314	29.317	29.331	29.354	29.362	29.370	29.378	29.386	29.394
9	29.310	29.267	29.234	29.214	29.204	29.194	29.179	29.158	29.163	29.141	29.141	29.157	29.173	29.195	29.206
10	29.254	29.259	29.275	29.291	29.318	29.334	29.356	29.368	29.390	29.401	29.418	29.423	29.451	29.456	29.462
11	29.213	29.175	29.147	29.147	29.153	29.165	29.178	29.182	29.182	29.194	29.200	29.206	29.216	29.223	29.230
12	29.540	29.573	29.617	29.650	29.676	29.725	29.741	29.774	29.813	29.844	29.855	29.761	29.872	29.878	29.881
13	29.784	29.750	29.747	29.721	29.710	29.699	29.693	29.687	29.691	29.697	29.704	29.708	29.714	29.721	29.726
14	29.713	29.701	29.695	29.695	29.689	29.683	29.683	29.677	29.676	29.692	29.700	29.708	29.708	29.708	29.724
15	29.372	29.284	29.221	29.171	29.093	29.030	28.988	28.920	28.857	28.808	28.778	28.799	28.820	28.840	28.867
16	28.975	29.015	29.043	29.066	29.084	29.112	29.152	29.175	29.189	29.216	29.233	29.249	29.260	29.282	29.293
17	29.313	29.298	29.286	29.288	29.288	29.288	29.288	29.288	29.293	29.299	29.305	29.317	29.334	29.357	29.363
18	29.473	29.477	29.477	29.477	29.477	29.477	29.477	29.471	29.455	29.450	29.439	29.428	29.423	29.412	29.407
19	29.345	29.335	29.335	29.335	29.340	29.345	29.350	29.350	29.355	29.360	29.365	29.365	29.365	29.370	29.361
20	29.346	29.345	29.346	29.347	29.364	29.378	29.388	29.393	29.388	29.381	29.381	29.374	29.367	29.370	29.391
21	29.600	29.615	29.640	29.670	29.685	29.726	29.731	29.741	29.761	29.773	29.780	29.781	29.779	29.777	29.775
22	29.775	29.775	29.740	29.740	29.731	29.731	29.722	29.687	29.666	29.624	29.577	29.535	29.494	29.423	29.387
23	29.537	29.572	29.600	29.628	29.663	29.686	29.714	29.742	29.755	29.755	29.775	29.787	29.787	29.800	
24	29.853	29.853	29.853	29.853	29.859	29.865	29.865	29.871	29.871	29.867	29.859	29.859	29.855	29.842	29.845
25	29.890	29.885	29.876	29.879	29.881	29.887	29.890	29.892	29.903	29.894	29.885	29.876	29.871	29.867	29.863
26	29.679	29.631	29.594	29.551	29.514	29.492	29.460	29.423	29.375	29.354	29.369	29.422	29.442	29.457	29.481
27	29.572	29.562	29.557	29.552	29.547	29.542	29.533	29.521	29.504	29.489	29.463	29.432	29.401	29.355	29.294
28	28.976	28.973	29.011	29.044	29.067	29.079	29.079	29.070	29.073	29.052	29.063	29.098	29.115	29.126	29.143
29	29.282	29.288	29.288	29.312	29.317	29.329	29.332	29.334	29.346	29.341	29.331	29.321	29.306	29.292	29.287
30	29.308	29.297	29.292	29.287	29.270	29.265	29.260	29.236	29.212	29.183	29.168	29.148	29.128	29.113	29.098
31	29.021	28.994	28.989	28.974	28.964	28.937	28.927	28.912	28.885	28.877	28.877	28.898	28.911	28.982	
Mean.	29.448	29.438	29.434	29.433	29.432	29.432	29.433	29.420	29.425	29.422	29.421	29.420	29.425	29.426	29.430

Absolute Maximum = 29.903 on 25th at 9 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

39

-HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

DECEMBER, 1912.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.747	29.742	29.739	29.737	29.737	29.731	29.718	29.697	29.673	29.758	29.789	7-8 and 11 a.m.	29.673
29.361	29.378	29.395	29.406	29.412	29.412	29.407	29.397	29.371	29.472	29.673	0 a.m.	29.350
29.257	29.291	29.330	29.320	29.419	29.453	29.475	29.492	29.509	29.306	29.509	Midnight	29.190
29.686	29.693	29.687	29.681	29.675	29.675	29.653	29.641	29.613	29.641	29.693	5 p.m.	29.509
29.501	29.516	29.526	29.541	29.556	29.556	29.556	29.556	29.555	29.488	29.613	0 a.m.	29.390
29.173	29.133	29.103	29.084	29.071	29.052	29.042	29.037	29.011	29.290	29.555	0 a.m.	29.011
29.360	29.374	29.388	29.402	29.396	29.390	29.357	29.325	29.299	29.206	29.402	7 p.m.	29.001
29.389	29.389	29.394	29.409	29.404	29.384	29.379	29.364	29.331	29.353	29.409	7 p.m.	29.299
29.206	29.212	29.218	29.230	29.235	29.247	29.242	29.242	29.248	29.212	29.331	0 a.m.	29.141
29.467	29.462	29.457	29.452	29.432	29.393	29.344	29.205	29.241	29.376	29.467	4 p.m.	29.241
29.250	29.270	29.295	29.326	29.356	29.376	29.420	29.458	29.496	29.251	29.496	Midnight	29.144
29.882	29.882	29.875	29.871	29.851	29.828	29.817	29.806	29.781	29.882	4-6 p.m.	29.496	0 a.m.
29.727	29.729	29.731	29.743	29.746	29.749	29.745	29.737	29.725	29.726	29.806	0 a.m.	29.687
29.705	29.681	29.673	29.644	29.620	29.585	29.533	29.486	29.429	29.665	29.725	0 a.m.	29.429
28.874	28.890	28.890	28.897	28.913	28.920	28.927	28.945	28.952	28.971	29.429	0 a.m.	28.775
29.303	29.308	29.313	29.318	29.333	29.348	29.343	29.338	29.328	29.216	29.348	9 p.m.	28.952
29.385	29.396	29.418	29.440	29.445	29.461	29.461	29.465	29.469	29.353	29.469	Midnight	29.286
29.398	29.389	29.389	29.389	29.389	29.379	29.370	29.355	29.350	29.429	29.477	2-7 a.m.	29.350
29.353	29.353	29.358	29.364	29.364	29.356	29.342	29.352	29.347	29.353	29.370	2 p.m.	29.335
29.408	29.425	29.442	29.470	29.498	29.510	29.525	29.535	29.580	29.410	29.580	Midnight	29.345
29.775	29.770	29.765	29.760	29.765	29.782	29.772	29.776	29.775	29.737	29.782	9 p.m.	29.580
29.368	29.368	29.363	29.363	29.368	29.389	29.412	29.440	29.486	29.555	29.775	0-2 a.m.	29.360
29.795	29.805	29.810	29.824	29.838	29.847	29.847	29.847	29.853	29.743	29.853	Midnight	29.486
29.847	29.851	29.851	29.851	29.867	29.883	29.883	29.883	29.899	29.861	29.899	Midnight	29.840
29.841	29.833	29.816	29.807	29.807	29.767	29.740	29.723	29.701	29.849	29.903	9 a.m.	29.701
29.493	29.512	29.518	29.524	29.567	29.572	29.577	29.577	29.577	29.509	29.701	0 a.m.	29.354
29.248	29.287	29.136	29.085	29.044	29.033	29.976	28.964	28.976	29.349	29.577	0 a.m.	28.964
29.154	29.159	29.167	29.172	29.187	29.198	29.210	29.222	29.258	29.106	29.258	Midnight	28.976
29.301	29.310	29.315	29.319	29.328	29.323	29.323	29.318	29.313	29.314	29.346	9 a.m.	29.258
29.081	29.069	29.057	29.052	29.047	29.047	29.031	29.031	29.026	29.160	29.313	0 a.m.	29.026
29.049	29.100	29.151	29.212	29.258	29.319	29.352	29.380	29.418	29.044	29.418	Midnight	28.877
29.432	29.438	29.438	29.442	29.450	29.451	29.445	29.442	29.430	29.435	...	.....	Mean

Absolute Minimum = 28.775 on 15th at 11.30 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN. INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.442	29.461	29.475	29.494	29.513	29.532	29.537	29.532	29.511	29.491	29.479	29.463	29.455	29.444	29.444
2	29.508	29.512	29.512	29.512	29.512	29.512	29.512	29.512	29.490	29.483	29.464	29.438	29.430	29.430	29.410
3	29.406	29.386	29.386	29.391	29.396	29.401	29.406	29.406	29.411	29.412	29.403	29.394	29.394	29.395	29.385
4	29.098	29.040	28.961	28.907	28.783	28.730	28.707	28.674	28.590	28.590	28.695	28.780	28.855	28.888	28.943
5	28.876	28.878	28.896	28.896	28.914	28.922	28.930	28.938	28.946	28.959	28.972	28.985	28.992	29.005	29.023
6	28.935	28.955	28.999	29.008	29.052	29.081	29.105	29.125	29.144	29.165	29.186	29.207	29.217	29.238	29.249
7	29.373	29.384	29.384	29.400	29.421	29.426	29.432	29.432	29.437	29.427	29.417	29.412	29.402	29.382	29.369
8	29.159	29.130	29.101	29.081	29.086	29.101	29.122	29.158	29.173	29.192	29.201	29.210	29.219	29.228	29.247
9	29.142	29.119	29.101	29.095	29.089	29.089	29.089	29.093	29.093	29.091	29.091	29.089	29.088	29.094	29.094
10	29.143	29.143	29.155	29.162	29.175	29.175	29.182	29.189	29.185	29.173	29.173	29.162	29.151	29.151	29.130
11	29.118	29.119	29.119	29.125	29.121	29.132	29.132	29.159	29.159	29.170	29.193	29.193	29.209	29.225	29.241
12	29.442	29.461	29.485	29.485	29.485	29.481	29.464	29.451	29.423	29.374	29.325	29.276	29.226	29.196	29.137
13	29.009	29.004	29.004	29.004	29.039	29.034	29.042	29.052	29.039	29.063	29.074	29.085	29.066	29.072	29.078
14	28.842	28.759	28.687	28.594	28.532	28.475	28.438	28.396	28.303	28.261	28.194	28.082	28.015	28.058	28.111
15	28.963	29.037	29.071	29.122	29.176	29.200	29.235	29.267	29.287	29.287	29.287	29.280	29.257	29.250	29.205
16	29.175	29.180	29.195	29.220	29.228	29.267	29.280	29.317	29.340	29.358	29.376	29.394	29.412	29.430	29.450
17	29.230	29.172	29.133	29.110	29.074	29.054	29.048	29.038	29.076	29.182	29.258	29.299	29.330	29.340	29.382
18	29.086	29.073	29.063	29.055	29.045	29.047	29.049	29.057	29.060	29.060	29.065	29.060	29.055	29.050	29.045
19	28.932	28.920	28.898	28.891	28.888	28.888	28.883	28.887	28.890	28.890	28.903	28.903	28.921	28.921	28.940
20	29.157	29.167	29.191	29.203	29.215	29.232	29.237	29.250	29.264	29.279	29.279	29.277	29.262	29.273	29.294
21	29.371	29.377	29.382	29.399	29.405	29.411	29.423	29.429	29.441	29.437	29.437	29.437	29.435	29.434	29.436
22	29.331	29.326	29.332	29.338	29.338	29.349	29.360	29.366	29.366	29.366	29.367	29.353	29.349	29.345	29.346
23	29.106	29.076	29.033	29.005	28.984	28.974	28.973	28.979	28.979	28.993	28.999	29.006	29.008	29.013	29.008
24	28.993	28.998	29.005	29.030	29.047	29.054	29.071	29.088	29.104	29.133	29.155	29.170	29.186	29.206	29.224
25	29.146	29.106	29.076	29.066	29.066	29.063	29.061	29.056	29.051	29.049	29.045	29.042	29.039	29.026	29.018
26	28.990	28.997	29.009	29.026	29.052	29.070	29.087	29.094	29.106	29.115	29.124	29.133	29.182	29.156	29.180
27	29.352	29.358	29.388	29.393	29.401	29.427	29.448	29.454	29.470	29.484	29.506	29.512	29.534	29.561	29.580
28	29.719	29.724	29.734	29.739	29.749	29.762	29.763	29.762	29.744	29.734	29.731	29.723	29.712	29.687	29.691
29	29.340	29.289	29.228	29.202	29.161	29.135	29.094	29.088	29.046	29.041	29.033	29.023	29.014	29.011	28.991
30	28.919	28.915	28.906	28.906	28.913	28.919	28.936	28.937	28.933	28.933	28.933	28.933	28.921	28.909	28.919
31	28.908	28.914	28.920	28.936	28.953	28.970	29.005	29.041	29.066	29.113	29.150	29.161	29.196	29.231	29.270
Mean.	29.168	29.161	29.156	29.155	29.155	29.158	29.163	29.169	29.165	29.171	29.179	29.177	29.178	29.182	29.188

Absolute Maximum = 29.763 on 28th at 7 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

41

## —HOURLY VALUES—continued.

REDUCED TO 32° FAHRE. M.S.L. AND STANDARD GRAVITY.

JANUARY, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum:		Minimum:		Date:
29.447	29.450	29.453	29.468	29.475	29.482	29.491	29.493	29.505	29.479	29.537	7 a.m.	29.418	0 a.m.	...
29.390	29.385	29.390	29.395	29.416	29.421	29.416	29.406	29.406	29.455	29.512	2-8 a.m.	29.385	5 p.m.	...
29.359	29.357	29.352	29.352	29.309	29.295	29.267	29.329	29.161	29.370	29.417	10-30 a.m.	29.161	Midnight	...
28.971	29.004	29.014	29.031	29.031	29.009	28.963	28.939	28.893	28.885	29.161	0 a.m.	28.580	9-50 a.m.	...
29.029	29.015	29.011	29.007	28.993	28.990	28.970	28.945	28.940	28.959	29.029	4 p.m.	28.876	1 a.m.	...
29.266	29.283	29.287	29.304	29.317	29.325	29.347	29.352	29.357	29.179	29.357	Midnight	28.935	1 a.m.	...
29.357	29.323	29.311	29.299	29.276	29.265	29.251	29.227	29.198	29.363	29.437	9 a.m.	29.198	Midnight	...
29.247	29.230	29.230	29.224	29.218	29.212	29.194	29.176	29.153	29.180	29.247	3-4 p.m.	29.076	4-40 a.m.	...
29.092	29.086	29.095	29.113	29.126	29.130	29.130	29.136	29.143	29.105	29.143	Midnight	29.086	5 p.m.	...
29.110	29.100	29.100	29.095	29.100	29.110	29.110	29.121	29.117	29.143	29.189	8 a.m.	29.075	4-45 p.m.	...
29.245	29.270	29.309	29.313	29.348	29.383	29.395	29.429	29.429	29.224	29.429	11 p.m.-midn't	29.118	1 a.m.	...
29.120	29.095	29.058	29.041	29.019	29.020	29.011	29.011	29.009	29.263	29.485	3-5 a.m.	29.009	Midnight	...
29.084	29.084	29.090	29.076	29.059	29.021	28.994	28.987	28.904	29.042	29.092	5-30 p.m.	28.904	Midnight	...
28.176	28.256	28.356	28.486	28.622	28.722	28.796	28.850	28.929	28.455	28.904	0 a.m.	28.015	1 p.m.	...
29.214	29.195	29.193	29.197	29.192	29.185	29.168	29.152	29.166	29.186	29.287	9-11 a.m.	28.929	0 a.m.	...
29.460	29.471	29.477	29.473	29.478	29.454	29.428	29.372	29.316	29.353	29.494	6-30 p.m.	29.166	0 a.m.	...
29.378	29.378	29.350	29.300	29.254	29.251	29.212	29.154	29.228	29.382	3 p.m.	...	29.038	8 a.m.	...
29.038	29.035	29.028	29.016	29.003	29.000	28.983	28.976	28.964	29.042	29.086	1 a.m.	28.964	Midnight	...
28.930	28.930	28.909	29.038	29.062	29.079	29.101	29.124	28.941	29.124	Midnight	...	28.883	7 a.m.	...
29.298	29.303	29.312	29.326	29.366	29.365	29.365	29.371	29.272	29.371	Midnight	...	29.157	1 a.m.	...
29.441	29.456	29.431	29.420	29.390	29.366	29.356	29.336	29.336	29.408	29.456	5 p.m.	29.336	11 p.m.-midn't	21
29.343	29.335	29.335	29.330	29.315	29.279	29.217	29.172	29.147	29.325	29.367	11 a.m.	29.147	Midnight	...
28.998	28.998	29.001	29.003	29.003	29.003	28.998	28.993	28.993	29.009	29.147	0 a.m.	28.973	7 a.m.	...
29.232	29.232	29.241	29.248	29.238	29.218	29.203	29.182	29.146	29.248	8 p.m.	...	28.993	0-1 a.m.	...
29.000	28.980	28.964	28.974	28.974	28.956	28.958	28.967	28.977	29.032	29.182	0 a.m.	28.956	9 p.m.	...
29.197	29.218	29.244	29.281	29.308	29.313	29.324	29.341	29.352	29.153	29.352	Midnight	28.977	9 a.m.	...
29.600	29.612	29.621	29.655	29.664	29.699	29.704	29.714	29.714	29.528	29.714	11 p.m.-midn't	29.352	1 a.m.	...
29.684	29.624	29.585	29.585	29.545	29.511	29.489	29.457	29.414	29.669	29.763	7 a.m.	29.414	Midnight	...
28.972	28.965	28.958	28.951	28.943	28.935	28.931	28.922	28.918	29.060	29.414	0 a.m.	28.918	Midnight	...
28.922	28.931	28.934	28.934	28.934	28.928	28.915	28.908	28.908	28.923	28.949	7-30 p.m.	28.906	3-4 a.m.	...
29.288	29.316	29.344	29.392	29.399	29.446	29.483	29.506	29.539	29.176	29.539	Midnight	28.908	1 a.m.	...
29.187	29.192	29.194	29.201	29.207	29.206	29.200	29.197	29.184	29.179	...	...	...	...	Mean.

Absolute Minimum = 28.015 on 14th at 1 p.m.

Table I.—ATMOSPHERIC PRESSURE  
BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.584	29.615	29.647	29.689	29.718	29.745	29.768	29.777	29.782	29.792	29.795	29.803	29.803	29.803	29.801
2	29.615	29.594	29.568	29.523	29.498	29.472	29.346	29.401	29.355	29.305	29.235	29.180	29.145	29.083	29.052
3	29.131	29.152	29.168	29.220	29.260	29.282	29.311	29.358	29.358	29.374	29.380	29.396	29.402	29.402	29.377
4	29.391	29.397	29.397	29.397	29.404	29.421	29.432	29.443	29.451	29.483	29.497	29.505	29.518	29.527	29.535
5	29.448	29.415	29.388	29.347	29.294	29.251	29.179	29.122	29.075	29.020	28.950	28.885	28.855	28.825	28.780
6	29.244	29.270	29.286	29.328	29.364	29.395	29.416	29.452	29.468	29.489	29.515	29.525	29.541	29.546	29.566
7	29.639	29.619	29.594	29.588	29.588	29.588	29.592	29.606	29.611	29.619	29.627	29.641	29.645	29.646	29.653
8	29.603	29.594	29.589	29.584	29.580	29.575	29.566	29.561	29.551	29.545	29.529	29.523	29.516	29.510	29.513
9	29.602	29.597	29.592	29.587	29.587	29.573	29.559	29.540	29.520	29.484	29.448	29.432	29.397	29.367	29.327
10	29.200	29.216	29.223	29.250	29.272	29.299	29.311	29.333	29.345	29.355	29.374	29.374	29.378	29.378	29.363
11	29.022	28.967	28.892	28.852	28.862	28.872	28.907	28.912	28.907	28.903	28.884	28.885	28.913	28.938	28.979
12	29.141	29.146	29.153	29.163	29.195	29.195	29.204	29.204	29.204	29.204	29.204	29.204	29.200	29.191	29.182
13	28.924	28.891	28.887	28.888	28.894	28.915	28.951	28.957	28.978	28.983	29.014	29.035	29.066	29.092	29.137
14	29.307	29.312	29.317	29.322	29.342	29.347	29.368	29.388	29.393	29.393	29.402	29.393	29.423	29.420	29.422
15	29.226	29.221	29.211	29.205	29.211	29.213	29.232	29.241	29.255	29.271	29.287	29.298	29.314	29.345	29.366
16	29.485	29.498	29.505	29.509	29.515	29.515	29.540	29.539	29.538	29.522	29.522	29.509	29.485	29.472	29.456
17	29.358	29.345	29.302	29.292	29.271	29.235	29.195	29.175	29.145	29.122	29.093	29.062	29.042	29.021	29.030
18	29.376	29.391	29.396	29.412	29.427	29.438	29.443	29.468	29.478	29.478	29.478	29.462	29.437	29.416	29.371
19	29.169	29.108	29.097	29.076	29.105	29.109	29.116	29.142	29.161	29.189	29.217	29.251	29.280	29.298	29.329
20	29.486	29.490	29.491	29.493	29.502	29.506	29.520	29.530	29.534	29.540	29.540	29.540	29.545	29.560	29.591
21	29.752	29.775	29.788	29.811	29.824	29.836	29.837	29.831	29.835	29.832	29.826	29.821	29.816	29.800	29.790
22	29.601	29.590	29.584	29.588	29.589	29.608	29.613	29.616	29.616	29.619	29.619	29.615	29.636	29.636	29.642
23	29.730	29.735	29.745	29.753	29.764	29.769	29.774	29.784	29.791	29.793	29.808	29.808	29.785	29.756	29.727
24	29.486	29.480	29.483	29.474	29.480	29.485	29.501	29.507	29.518	29.516	29.539	29.564	29.577	29.600	
25	29.815	29.815	29.814	29.808	29.812	29.801	29.801	29.795	29.785	29.782	29.769	29.751	29.748	29.730	29.702
26	29.389	29.321	29.269	29.252	29.239	29.236	29.244	29.247	29.230	29.223	29.223	29.218	29.218	29.235	29.248
27	29.474	29.487	29.501	29.527	29.543	29.584	29.610	29.636	29.647	29.671	29.683	29.702	29.731	29.750	29.769
28	29.924	29.933	29.945	29.945	29.951	29.958	29.960	29.956	29.937	29.933	29.910	29.890	29.814	29.841	29.813
Mean.	29.433	29.428	29.423	29.424	29.432	29.437	29.439	29.447	29.446	29.444	29.441	29.437	29.436	29.435	29.433

Absolute Maximum = 29.960 on 28th at 7 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

43

HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

FEBRUARY, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29-801	29-790	29-754	29-743	29-743	29-722	29-681	29-650	29-625	29-737	29-803	Noon-2 p.m.	29-539
29-014	28-995	28-959	28-952	28-961	29-007	29-037	29-044	29-075	29-237	29-625	0 a.m. ...	28-952
29-350	29-303	29-296	29-311	29-330	29-352	29-363	29-369	29-380	29-311	29-402	1-2 p.m. ...	29-075
29-535	29-535	29-540	29-547	29-547	29-535	29-528	29-500	29-498	29-468	29-552	7-30 p.m. ...	29-380
28-765	28-760	28-753	28-760	28-890	28-990	29-070	29-140	29-181	29-054	29-498	0 a.m. ...	28-753
29-581	29-600	29-615	29-635	29-655	29-665	29-665	29-662	29-660	29-496	29-665	9-10 p.m. ...	29-181
29-647	29-635	29-618	29-619	29-612	29-607	29-605	29-603	29-616	29-660	0 a.m. ...	29-588	4-6 a.m. ...
29-509	29-515	29-521	29-537	29-543	29-553	29-556	29-596	29-602	29-553	29-603	1 a.m. ...	29-509
29-318	29-289	29-264	29-254	29-236	29-210	29-200	29-194	29-196	29-426	29-602	0-1 a.m. ...	29-196
29-347	29-320	29-270	29-215	29-172	29-113	29-093	29-078	29-053	29-267	29-378	1-2 p.m. ...	29-053
29-007	29-009	29-037	29-064	29-090	29-107	29-107	29-127	29-122	28-972	29-127	11 p.m. ...	28-852
29-150	29-123	29-096	29-074	29-042	29-015	28-988	28-966	28-943	29-132	29-204	7 a.m.-noon	28-943
29-164	29-198	29-206	29-228	29-243	29-251	29-267	29-287	29-292	29-066	29-292	Midnight ...	28-887
29-420	29-420	29-425	29-420	29-410	29-390	29-364	29-318	29-282	29-375	29-425	6 p.m. ...	29-282
29-381	29-397	29-402	29-422	29-432	29-447	29-459	29-471	29-478	29-320	29-478	Midnight ...	29-205
29-442	29-435	29-423	29-417	29-420	29-414	29-409	29-393	29-373	29-475	29-540	7 a.m. ...	29-373
29-056	29-091	29-133	29-190	29-222	29-285	29-315	29-325	29-355	29-195	29-373	0 a.m. ...	29-021
29-346	29-326	29-302	29-287	29-288	29-278	29-250	29-224	29-171	29-376	29-478	9-11 a.m. ...	29-171
29-333	29-379	29-400	29-436	29-462	29-473	29-477	29-486	29-486	29-259	29-486	11 p.m.-midn't	29-076
29-617	29-628	29-651	29-673	29-699	29-704	29-717	29-723	29-745	29-580	29-745	Midnight ...	29-486
29-774	29-728	29-721	29-713	29-697	29-681	29-659	29-638	29-617	29-769	29-837	7 a.m. ...	29-617
29-649	29-657	29-669	29-687	29-689	29-701	29-716	29-721	29-721	29-639	29-721	11 p.m.-midn't	29-584
29-702	29-686	29-675	29-670	29-649	29-624	29-571	29-550	29-515	29-717	29-813	11-30 a.m. ...	29-515
29-624	29-665	29-687	29-721	29-755	29-784	29-798	29-807	29-811	29-593	29-811	Midnight ...	29-474
29-683	29-664	29-645	29-637	29-607	29-564	29-537	29-474	29-421	29-715	29-815	1-2 a.m. ...	29-421
29-271	29-294	29-313	29-337	29-371	29-385	29-406	29-417	29-443	29-292	29-443	Midnight ...	29-218
29-788	29-808	29-818	29-842	29-857	29-877	29-888	29-910	29-916	29-699	29-916	Midnight ...	29-443
29-760	29-718	29-665	29-628	29-541	29-468	29-376	29-284	29-157	29-779	29-960	7 a.m. ...	29-157
29-430	29-427	29-424	29-429	29-435	29-436	29-431	29-427	29-419	29-433	...	.....	.....
												Mean.

Absolute Minimum = 28-753 on 5th at 6 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.-ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.030	28.890	28.808	28.751	28.715	28.768	28.792	28.826	28.865	28.887	28.915	28.953	28.966	29.018	29.045
2	29.192	29.198	29.204	29.231	29.267	29.283	29.299	29.325	29.346	29.375	29.394	29.438	29.457	29.491	29.515
3	29.657	29.632	29.621	29.610	29.599	29.563	29.527	29.486	29.450	29.437	29.479	29.326	29.278	29.220	29.187
4	28.972	28.927	28.910	28.910	28.887	28.854	28.846	28.849	28.847	28.865	28.883	28.906	28.939	28.967	28.980
5	29.998	29.035	29.056	29.072	29.113	29.149	29.175	29.221	29.257	29.260	29.283	29.297	29.315	29.348	29.371
6	29.334	29.295	29.290	29.259	29.246	29.235	29.215	29.215	29.205	29.228	29.240	29.262	29.290	29.303	29.305
7	29.540	29.561	29.592	29.613	29.634	29.675	29.716	29.747	29.766	29.777	29.800	29.808	29.834	29.842	29.850
8	29.971	29.974	29.974	29.974	29.974	29.974	29.978	29.974	29.961	29.953	29.955	29.922	29.908	29.867	29.841
9	29.736	29.736	29.729	29.727	29.715	29.713	29.701	29.685	29.673	29.645	29.627	29.579	29.556	29.538	29.530
10	29.819	29.831	29.855	29.860	29.881	29.902	29.918	29.934	29.951	29.957	29.968	29.974	29.990	30.001	30.021
11	30.097	30.096	30.064	30.062	30.062	30.062	30.062	30.062	30.063	30.063	30.046	30.046	30.046	30.046	30.045
12	30.072	30.072	30.066	30.060	30.039	30.039	30.043	30.047	30.042	30.042	30.037	30.052	30.022	30.006	29.976
13	29.911	29.911	29.901	29.894	29.883	29.863	29.878	29.857	29.851	29.834	29.831	29.818	29.809	29.811	29.811
14	29.808	29.808	29.808	29.808	29.808	29.808	29.814	29.821	29.821	29.834	29.839	29.831	29.824	29.824	29.824
15	29.855	29.848	29.848	29.841	29.834	29.827	29.830	29.830	29.822	29.817	29.811	29.795	29.785	29.785	29.785
16	29.696	29.671	29.546	29.505	29.585	29.560	29.515	29.495	29.465	29.441	29.432	29.423	29.419	29.419	29.420
17	29.366	29.353	29.335	29.324	29.324	29.324	29.306	29.301	29.253	29.216	29.209	29.182	29.160	29.147	29.125
18	29.007	29.007	29.007	29.013	29.019	29.035	29.061	29.061	29.063	29.065	29.067	29.104	29.146	29.149	29.148
19	29.286	29.286	29.286	29.286	29.303	29.307	29.307	29.320	29.321	29.325	29.325	29.317	29.325	29.325	29.330
20	29.417	29.421	29.435	29.449	29.468	29.487	29.506	29.515	29.529	29.529	29.529	29.529	29.529	29.558	29.558
21	29.574	29.540	29.497	29.475	29.468	29.468	29.462	29.462	29.462	29.462	29.461	29.462	29.462	29.462	29.472
22	29.692	29.712	29.727	29.742	29.766	29.791	29.825	29.845	29.884	29.896	29.911	29.930	29.949	29.963	29.993
23	30.084	30.069	30.069	30.059	30.049	30.049	30.049	30.030	29.990	29.955	29.921	29.876	29.842	29.788	29.735
24	29.519	29.540	29.547	29.573	29.595	29.602	29.619	29.626	29.622	29.622	29.617	29.613	29.613	29.610	29.610
25	29.618	29.616	29.600	29.600	29.600	29.600	29.604	29.612	29.612	29.625	29.631	29.635	29.640	29.645	29.652
26	29.625	29.625	29.621	29.616	29.609	29.612	29.612	29.609	29.609	29.598	29.595	29.587	29.579	29.565	29.552
27	29.408	29.386	29.374	29.338	29.302	29.285	29.283	29.252	29.237	29.217	29.185	29.161	29.161	29.161	29.161
28	29.285	29.285	29.291	29.297	29.307	29.307	29.307	29.312	29.307	29.295	29.293	29.281	29.269	29.253	29.236
29	29.445	29.457	29.474	29.481	29.492	29.503	29.523	29.529	29.530	29.531	29.535	29.540	29.546	29.564	29.564
30	29.632	29.621	29.615	29.594	29.594	29.594	29.594	29.588	29.568	29.563	29.548	29.538	29.518	29.481	29.463
31	29.290	29.290	29.307	29.324	29.326	29.343	29.344	29.361	29.361	29.357	29.357	29.352	29.352	29.342	29.337
Mean:	29.546	29.538	29.531	29.527	29.531	29.536	29.539	29.542	29.540	29.538	29.540	29.533	29.534	29.532	29.530

Absolute Maximum = 30.098 on 10th at 11 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

45

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

MARCH, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.088	29.116	29.139	29.174	29.180	29.173	29.164	29.170	29.186	28.984	29.186	Midnight ...	28.700 5.30 a.m. ... 1
29.546	29.578	29.600	29.624	29.639	29.647	29.652	29.657	29.752	29.434	29.752	Midnight ...	29.186 0 a.m. ... 2
29.166	29.156	29.130	29.109	29.106	29.089	29.075	29.052	29.010	29.347	29.752	0 a.m. ...	29.010 Midnight ... 3
28.984	28.996	28.998	28.991	28.984	28.984	28.970	28.970	28.967	28.933	29.010	0 a.m. ...	28.846 7 a.m. ... 4
29.399	29.407	29.435	29.453	29.466	29.469	29.452	29.430	29.387	29.277	29.469	9 p.m. ...	28.967 0 a.m. ... 5
29.327	29.354	29.376	29.403	29.430	29.456	29.482	29.508	29.519	29.321	29.519	Midnight ...	29.205 9 a.m. ... 6
29.864	29.883	29.887	29.901	29.915	29.934	29.947	29.955	29.968	29.778	29.968	Midnight ...	29.519 0 a.m. ... 7
29.818	29.790	29.768	29.749	29.749	29.740	29.733	29.734	29.734	29.880	29.978	7 a.m. ...	29.733 10 p.m. ... 8
29.520	29.568	29.600	29.641	29.683	29.718	29.750	29.771	29.802	29.663	29.802	Midnight ...	29.520 4 p.m. ... 9
30.031	30.036	30.041	30.051	30.072	30.097	30.097	30.098	30.097	29.972	30.098	11 p.m. ...	29.802 0 a.m. ... 10
30.046	30.051	30.051	30.056	30.056	30.061	30.065	30.069	30.073	30.058	30.097	0-1 a.m. ...	30.045 3 p.m. ... 11
29.969	29.962	29.950	29.948	29.946	29.953	29.937	29.927	29.911	29.008	30.073	0 a.m. ...	29.911 Midnight ... 12
29.811	29.811	29.811	29.811	29.811	29.808	29.808	29.808	29.808	29.842	29.911	0-2 a.m. ...	29.808 10 p.m.-mid't ... 13
29.824	29.821	29.828	29.835	29.842	29.864	29.855	29.855	29.855	29.826	29.864	9 p.m. ...	29.808 0-6 a.m. ... 14
29.775	29.775	29.771	29.771	29.767	29.757	29.747	29.732	29.716	29.800	29.855	0-1 a.m. ...	29.716 Midnight ... 15
29.420	29.420	29.420	29.412	29.405	29.398	29.390	29.382	29.379	29.474	29.716	0 a.m. ...	29.379 Midnight ... 16
29.105	29.080	29.070	29.051	29.036	29.026	29.012	29.010	29.007	29.188	29.379	0 a.m. ...	29.007 Midnight ... 17
29.148	29.148	29.168	29.218	29.233	29.266	29.269	29.269	29.269	29.117	29.269	10 p.m.-mid't ...	29.007 0-3 a.m. ... 18
29.330	29.330	29.354	29.362	29.381	29.389	29.394	29.408	29.412	29.331	29.412	Midnight ...	29.269 0 a.m. ... 19
29.576	29.588	29.605	29.634	29.640	29.640	29.634	29.610	29.604	29.537	29.640	8-9 p.m. ...	29.412 0 a.m. ... 20
29.482	29.522	29.566	29.596	29.611	29.626	29.644	29.663	29.673	29.522	29.673	Midnight ...	29.461 11 a.m. ... 21
30.005	30.028	30.060	30.069	30.076	30.089	30.089	30.089	30.089	29.917	30.089	9 p.m.-mid't ...	29.673 0 a.m. ... 22
29.651	29.603	29.527	29.478	29.440	29.404	29.404	29.436	29.492	29.804	30.089	0 a.m. ...	29.400 9.30 p.m. ... 23
29.617	29.629	29.636	29.636	29.643	29.643	29.636	29.630	29.624	29.606	29.643	8-9 p.m. ...	29.492 0 a.m. ... 24
29.652	29.652	29.652	29.652	29.652	29.640	29.633	29.625	29.625	29.628	29.652	3-8 p.m. ...	29.600 3-6 a.m. ... 25
29.525	29.519	29.510	29.515	29.493	29.486	29.469	29.462	29.435	29.563	29.625	0-2 a.m. ...	29.435 Midnight ... 26
29.171	29.179	29.197	29.205	29.239	29.263	29.273	29.279	29.285	29.253	29.435	0 a.m. ...	29.161 Noon-3 p.m. ... 27
29.258	29.300	29.322	29.349	29.376	29.403	29.410	29.417	29.413	29.313	29.417	11 p.m. ...	29.236 3 p.m. ... 28
29.580	29.601	29.612	29.622	29.632	29.632	29.633	29.638	29.549	29.633	29.632	11 p.m. ...	29.413 0 a.m. ... 29
29.429	29.411	29.372	29.328	29.288	29.245	29.211	29.237	29.283	29.479	29.632	0-1 a.m. ...	29.211 10 p.m. ... 30
29.329	29.316	29.308	29.301	29.293	29.275	29.236	29.206	29.190	29.314	29.361	8-9 a.m. ...	29.190 Midnight ... 31
29.531	29.536	29.541	29.547	29.551	29.554	29.550	29.551	29.555	29.539	...	...	Mean.

Absolute Minimum = 28.700 on 1st at 5.30 a.m.

Table I.—ATMOSPHERIC PRESSURE  
BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.170	29.170	29.203	29.222	29.257	29.287	29.316	29.318	29.320	29.343	29.343	29.343	29.343	29.343	29.343
2	29.322	29.318	29.309	29.385	29.385	29.271	29.261	29.242	29.223	29.210	29.187	29.168	29.151	29.129	29.122
3	29.276	29.282	29.282	29.282	29.282	29.278	29.278	29.274	29.271	29.259	29.253	29.253	29.251	29.239	
4	29.303	29.309	29.340	29.356	29.378	29.395	29.417	29.428	29.449	29.469	29.484	29.499	29.519	29.554	29.574
5	29.816	29.837	29.863	29.895	29.916	29.947	29.978	29.989	29.994	29.998	30.000	29.999	29.998	30.001	30.035
6	30.089	30.089	30.039	30.089	30.089	30.089	30.089	30.089	30.089	30.089	30.076	30.063	30.065	30.061	30.062
7	30.010	29.997	29.980	29.969	29.950	29.920	29.909	29.893	29.914	29.889	29.875	29.851	29.837	29.818	29.809
8	29.686	29.668	29.654	29.654	29.619	29.648	29.652	29.677	29.681	29.681	29.681	29.679	29.672	29.672	29.672
9	29.667	29.667	29.680	29.704	29.727	29.762	29.812	29.847	29.874	29.911	29.937	29.957	29.964	29.969	29.972
10	29.936	29.936	29.936	29.936	29.936	29.937	29.936	29.936	29.899	29.844	29.869	29.864	29.849	29.804	29.779
11	29.595	29.585	29.590	29.564	29.538	29.538	29.518	29.508	29.488	29.440	29.421	29.393	29.355	29.322	29.274
12	28.953	28.902	28.851	28.775	28.714	28.648	28.543	28.447	28.346	28.230	28.156	28.124	28.097	28.056	28.024
13	28.146	28.222	28.315	28.386	28.442	28.530	28.604	28.678	28.742	28.818	28.894	28.950	29.036	29.099	29.141
14	29.356	29.309	29.268	29.217	29.195	29.204	29.213	29.222	29.232	29.237	29.242	29.252	29.261	29.281	29.291
15	29.377	29.377	29.340	29.320	29.325	29.319	29.319	29.296	29.279	29.255	29.231	29.217	29.198	29.165	29.136
16	29.111	29.160	29.200	29.276	29.331	29.417	29.484	29.544	29.584	29.621	29.654	29.659	29.671	29.683	29.690
17	29.866	29.886	29.907	29.933	29.959	29.970	29.991	30.011	30.017	30.028	30.034	30.034	30.030	30.046	30.042
18	29.941	29.941	29.938	29.938	29.938	29.938	29.914	29.889	29.875	29.875	29.826	29.806	29.781	29.742	
19	29.779	29.797	29.839	29.841	29.848	29.904	29.930	29.930	29.947	29.951	29.954	29.954	29.931	29.905	29.904
20	29.914	29.934	29.934	29.959	29.979	30.009	30.029	30.058	30.080	30.107	30.145	30.144	30.156	30.175	30.196
21	30.333	30.318	30.297	30.301	30.301	30.295	30.290	30.290	30.290	30.270	30.270	30.270	30.245	30.195	30.195
22	30.126	30.113	30.106	30.089	30.072	30.058	30.040	30.027	30.013	29.902	29.976	29.961	29.920	29.889	29.879
23	29.817	29.817	29.817	29.844	29.875	29.904	29.928	29.973	29.997	30.021	30.040	30.044	30.073	30.092	30.137
24	30.293	30.293	30.296	30.296	30.296	30.280	30.274	30.268	30.262	30.247	30.241	30.236	30.221	30.196	30.191
25	30.120	30.112	30.106	30.093	30.079	30.068	30.068	30.060	30.037	30.033	30.014	30.010	30.001	29.982	29.969
26	29.878	29.868	29.843	29.823	29.803	29.798	29.798	29.788	29.763	29.745	29.719	29.605	29.669	29.633	29.612
27	29.496	29.493	29.494	29.498	29.499	29.516	29.560	29.549	29.556	29.556	29.555	29.544	29.543	29.532	29.526
28	29.376	29.376	29.381	29.306	29.401	29.445	29.465	29.475	29.475	29.474	29.487	29.500	29.513	29.526	29.526
29	29.426	29.430	29.433	29.436	29.440	29.462	29.462	29.494	29.505	29.525	29.550	29.560	29.560	29.560	29.575
30	29.857	29.867	29.872	29.878	29.883	29.888	29.908	29.928	29.928	29.928	29.922	29.916	29.910	29.893	29.875
Mean.	29.635	29.636	29.630	29.645	29.649	29.657	29.667	29.672	29.672	29.669	29.670	29.666	29.662	29.654	29.651

Absolute Maximum = 30.340 on 20<sup>th</sup> at 11 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

47

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

APRIL, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.		Date.	
29.343	29.343	29.346	29.349	29.352	29.345	29.340	29.336	29.322	29.306	29.352	8 p.m. ...	29.165	1.30 a.m. ...	1
29.127	29.137	29.147	29.167	29.192	29.202	29.218	29.239	29.250	29.225	29.322	0-1 a.m. ...	29.122	3 p.m. ...	2
29.241	29.243	29.260	29.254	29.255	29.258	29.258	29.275	29.287	29.265	29.287	Midnight ...	29.239	3 p.m. ...	3
29.601	29.627	29.640	29.676	29.688	29.710	29.722	29.754	29.777	29.518	29.777	Midnight ...	29.287	0 a.m. ...	4
30.017	30.020	30.041	30.056	30.069	30.084	30.072	30.087	30.089	29.986	30.080	Midnight ...	29.777	0 a.m. ...	5
30.058	30.048	30.041	30.041	30.041	30.041	30.041	30.027	30.068	30.080	30.027	0-10 a.m. ...	30.027	Midnight ...	6
29.796	29.793	29.780	29.777	29.769	29.760	29.744	29.708	29.708	29.859	30.027	0 a.m. ...	29.708	11 p.m.-mid't	7
29.672	29.674	29.678	29.692	29.698	29.691	29.684	29.667	29.675	29.708	0 a.m. ...	29.648	6 a.m. ...	8	
29.955	29.948	29.946	29.944	29.942	29.940	29.936	29.936	29.936	29.867	29.972	3 p.m. ...	29.667	0-2 a.m. ...	9
29.727	29.700	29.673	29.636	29.614	29.600	29.595	29.595	29.595	29.804	29.937	6 a.m. ...	29.595	10 p.m.-mid't	10
29.206	29.162	29.109	29.087	29.040	29.032	29.006	29.000	28.960	29.335	29.505	0-1 a.m. ...	28.960	Midnight ...	11
27.970	27.914	27.858	27.800	27.765	27.824	27.844	27.952	28.040	28.262	28.960	0 a.m. ...	27.765	8 p.m. ...	12
29.200	29.280	29.314	29.343	29.372	29.401	29.401	29.401	29.383	28.893	29.401	9-11 p.m. ...	28.040	0 a.m. ...	13
29.313	29.337	29.340	29.353	29.360	29.377	29.377	29.377	29.377	29.291	29.383	0 a.m. ...	29.195	5 a.m. ...	14
29.109	29.109	29.087	29.070	29.053	29.031	29.031	29.027	29.066	29.204	29.377	0-2 a.m. ...	29.027	11 p.m. ...	15
29.693	29.711	29.720	29.737	29.755	29.773	29.783	29.819	29.845	29.564	29.845	Midnight ...	29.066	0 a.m. ...	16
30.024	30.012	29.990	29.936	29.973	29.955	29.949	29.941	29.941	29.978	30.046	2 p.m. ...	29.845	0 a.m. ...	17
29.737	29.737	29.737	29.737	29.726	29.726	29.738	29.745	29.767	29.834	29.941	0-2 a.m. ...	29.726	8-9 p.m. ...	18
29.900	29.802	29.802	29.884	29.884	29.884	29.884	29.894	29.904	29.890	29.954	11 a.m.-noon	29.767	0 a.m. ...	19
30.245	30.264	30.283	30.312	30.326	30.339	30.339	30.340	30.339	30.141	30.340	11 p.m. ...	29.904	0 a.m. ...	20
30.190	30.185	30.180	30.170	30.160	30.160	30.158	30.151	30.143	30.240	30.339	0 a.m. ...	30.143	Midnight ...	21
29.839	29.809	29.795	29.786	29.781	29.791	29.800	29.802	29.808	29.943	30.143	0 a.m. ...	29.771	7-30 p.m. ...	22
30.139	30.173	30.212	30.241	30.254	30.282	30.282	30.291	30.291	30.054	30.291	Midnight ...	29.808	0 a.m. ...	23
30.163	30.163	30.167	30.162	30.163	30.160	30.153	30.131	30.129	30.223	30.296	2-5 a.m. ...	30.129	Midnight ...	24
29.955	29.946	29.937	29.928	29.923	29.918	29.913	29.898	29.898	30.008	30.129	0 a.m. ...	28.898	11 p.m.-midn t	25
29.600	29.588	29.566	29.554	29.532	29.525	29.502	29.502	29.496	29.683	28.898	0 a.m. ...	29.496	Midnight ...	26
29.511	29.490	29.480	29.459	29.448	29.422	29.397	29.376	29.371	29.497	29.561	9.30 a.m. ...	29.371	Midnight ...	27
29.519	29.512	29.504	29.486	29.458	29.445	29.422	29.419	29.426	29.457	29.526	2-3 p.m. ...	29.371	0 a.m. ...	28
29.597	29.619	29.651	29.678	29.705	29.752	29.782	29.807	29.832	29.568	29.832	Midnight ...	29.426	0 a.m. ...	29
29.875	29.845	29.807	29.807	29.791	29.781	29.771	29.771	29.771	29.803	29.928	8-10 a.m. ...	29.771	10 p.m.-midn't	30
29.644	29.643	29.640	29.639	29.636	29.641	29.638	29.643	29.648	29.650	...	....	....	....	Mean.

Absolute Minimum = 27.765 on 12th at 8 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.775	29.780	29.785	29.785	29.785	29.789	29.804	29.804	29.813	29.810	29.815	29.825	29.825	29.829	29.827
2	29.979	29.990	30.011	30.032	30.059	30.090	30.111	30.137	30.163	30.183	30.188	30.193	30.213	30.213	30.223
3	30.242	30.234	30.221	30.221	30.223	30.223	30.223	30.217	30.217	30.207	30.183	30.183	30.159	30.154	30.149
4	30.116	30.098	30.088	30.071	30.063	30.056	30.056	30.038	30.020	30.011	29.998	29.990	29.967	29.964	29.936
5	29.783	29.751	29.723	29.710	29.707	29.698	29.701	29.704	29.707	29.721	29.721	29.732	29.732	29.732	29.732
6	29.791	29.806	29.806	29.806	29.811	29.816	29.816	29.831	29.831	29.831	29.831	29.831	29.831	29.824	29.826
7	29.621	29.632	29.663	29.665	29.670	29.682	29.698	29.704	29.710	29.696	29.682	29.662	29.626	29.596	29.573
8	29.299	29.295	29.291	29.268	29.254	29.250	29.246	29.246	29.226	29.226	29.226	29.226	29.228	29.250	29.309
9	29.432	29.432	29.432	29.426	29.415	29.415	29.414	29.417	29.396	29.391	29.376	29.350	29.349	29.324	29.319
10	29.444	29.476	29.503	29.530	29.557	29.589	29.635	29.665	29.692	29.713	29.739	29.739	29.761	29.797	29.808
11	29.946	29.946	29.946	29.931	29.931	29.931	29.916	29.891	29.876	29.856	29.845	29.839	29.838	29.832	29.832
12	29.627	29.618	29.618	29.618	29.592	29.592	29.578	29.573	29.563	29.553	29.534	29.504	29.481	29.488	29.488
13	29.375	29.375	29.375	29.375	29.375	29.385	29.385	29.402	29.428	29.423	29.423	29.423	29.423	29.423	29.413
14	29.130	29.086	29.020	28.958	28.897	28.846	28.840	28.794	28.777	28.777	28.752	28.742	28.745	28.765	28.843
15	29.571	29.614	29.637	29.655	29.673	29.696	29.719	29.726	29.738	29.755	29.755	29.758	29.761	29.773	29.773
16	29.747	29.747	29.747	29.747	29.735	29.730	29.730	29.701	29.694	29.699	29.700	29.703	29.700	29.702	29.707
17	29.749	29.740	29.720	29.700	29.675	29.670	29.651	29.610	29.577	29.544	29.494	29.430	29.366	29.333	29.279
18	28.865	28.858	28.806	28.804	28.791	28.788	28.770	28.763	28.755	28.735	28.694	28.694	28.694	28.694	28.674
19	28.678	28.682	28.692	28.691	28.691	28.697	28.710	28.729	28.725	28.734	28.743	28.743	28.743	28.743	28.751
20	28.813	28.813	28.813	28.813	28.813	28.813	28.813	28.813	28.790	28.770	28.765	28.750	28.745	28.750	28.776
21	29.050	29.071	29.082	29.104	29.136	29.163	29.205	29.229	29.267	29.299	29.332	29.340	29.379	29.407	29.445
22	29.365	29.365	29.357	29.357	29.357	29.333	29.318	29.272	29.205	29.152	29.110	29.083	29.070	29.070	29.128
23	29.348	29.348	29.362	29.367	29.371	29.375	29.389	29.392	29.410	29.420	29.420	29.425	29.450	29.460	29.463
24	29.555	29.574	29.574	29.563	29.563	29.563	29.563	29.531	29.530	29.522	29.514	29.494	29.460	29.450	29.435
25	29.514	29.526	29.547	29.553	29.559	29.570	29.601	29.622	29.644	29.649	29.656	29.656	29.646	29.649	29.669
26	29.803	29.802	29.796	29.775	29.759	29.745	29.728	29.722	29.720	29.723	29.731	29.740	29.749	29.765	29.796
27	29.843	29.836	29.809	29.792	29.780	29.749	29.718	29.677	29.627	29.573	29.514	29.445	29.381	29.336	29.296
28	29.527	29.544	29.556	29.556	29.565	29.575	29.575	29.588	29.565	29.550	29.510	29.465	29.415	29.399	29.307
29	29.606	29.612	29.603	29.589	29.581	29.563	29.560	29.522	29.499	29.486	29.463	29.415	29.375	29.360	29.374
30	29.922	29.956	29.968	29.975	29.984	29.991	29.997	29.968	29.960	29.918	29.886	29.832	29.773	29.734	29.706
31	29.792	29.796	29.775	29.769	29.763	29.742	29.721	29.690	29.659	29.610	29.571	29.547	29.528	29.519	29.525
Mean.	29.558	29.561	29.559	29.555	29.553	29.552	29.555	29.551	29.541	29.533	29.522	29.508	29.498	29.495	29.499

Absolute Maximum = 30.250 on 2nd at 6.30 p.m.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JUNE, 1915.

Date.	Remarks.
1	Misty to showery during the day. Fine but overcast, misty Str., at night. Fresh W.N.W. winds. Bar. rising. Rough seas.
2	Misty in the morning. Fine but overcast during the p.m. with mod. N.W. gale. Rough seas.
3	Misty with light rain in the a.m. Dense fog in the afternoon. Light rain at night. Fresh N.W. gales throughout. Very high seas.
4	Misty throughout with light showers at intervals. Fresh N.W. to W.N.W. gales. Bar. rising. High seas.
5	Overcast at first followed by dense fog. Mod. N.W. to N.N.W. winds. Bar. falling slowly. Rough seas.
6	Dense fog during the day. Light rain at night. Mod. N.N.W. winds. Bar. falling. Rough seas.
7	Light mist during the day. Clear at night with isolated snow showers. Fresh N.W. gales. Bar. falling. High seas.
8	Frost. Dull and gloomy followed by snow and calms. Squally Westerly gale at night. Brilliant Aurora. Rough seas.
9	Ice one inch thick. Snow on ground. Snowing in the a.m., cleared in the p.m. Light rain during the night. Rough seas.
10	Boisterous Westerly gales with snow showers in the a.m. Cleared in afternoon. Overcast to light rain at night. Rough seas.
11	Light rain in the morning followed by snow as the wind veered from W.N.W. to W. Bar. falling. Rough seas.
12	Snow on the ground. Violent snow storms throughout. Mod. S.W. winds. Brilliant Aurora. Mod. seas.
13	Fierce snow storms in the a.m. Clearing snow showers in the p.m. Fresh S.W. to W.N.W. gale. Bar. rising. Brilliant Aurora. High seas.
14	Fierce N.N.W. gale in a.m. with blinding rain. Snow melted. Gale veered to W. at 12.30 followed by fierce snow storms. Aurora glow at night. Very high seas.
15	Snow storms at short intervals. Squally W. gale with blinding snow dust during the day. Fine clear night. Very high seas.
16	Fierce N.W. gale in the a.m. with blinding rain. Gradually cleared to fine clear night. Faint Aurora glow in S. Very high seas.
17	Continued snow storms throughout with squally S.W. gales. 3 in. snow on ground at night. Bar. rising rapidly. Tremendous seas. Brilliant Aurora.
18	Fierce S.W. gales with snow storms throughout. Brilliant Aurora visible at times during night. Tremendous seas.
19	Overcast to threatening throughout with fierce squally Southerly gales. Bar. rising. Tremendous seas.
20	Misty at first, afterwards fine but cloudy throughout, with calms to light S. winds. Lunar Corona. Corona Aurora. V. high seas.
21	Overcast to misty showers throughout, practically calm. Snow melting rapidly. R. rough seas.
22	Foggy morning. Overcast to misty in the p.m. Light to S.E. to E. winds. Bar. falling. Rough seas.
23	Dull gloomy a.m. Misty showers in the p.m. Light Easterlies. Bar. unsteady. Rough seas.
24	Light misty rain in a.m. Dense fog in p.m. Almost calm. Bar. steady. Rough seas.
25	Misty to dense fog. Light winds to calms. Temperature milder. Bar. steady. Rather rough seas.
26	Dense fog in the morning. Clear afternoon. Ci. Str. from N.W. at noon. Misty at night. Lunar halo. Bar. steady. Rough seas.
27	Dense fog in the morning. Overcast in afternoon. Fog with light rain at night. Light winds. Bar. steady. Mod. seas.
28	Misty to foggy during the day. Steady rain from 6 to 9.30 p.m., then clear. Aurora in S.S.W. at 10 p.m. Mod. to rough seas.
29	Showery in the morning. Fine afternoon. Ci. Str. from N. at 1 p.m. Fine clear night. Brilliant Aurora. Bar. steady. Rough seas.
30	Fine morning with A. Str. and Ci.Cu. from N.N.W. Misty to showery in the p.m. with sleet. Bar. steady. Very rough seas.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.715	29.722	29.734	29.756	29.768	29.768	29.780	29.780	29.780	29.762	29.745	29.736	29.717	29.699	
2	29.563	29.556	29.550	29.528	29.519	29.495	29.487	29.454	29.438	29.432	29.421	29.383	29.350	29.318	29.296
3	29.116	29.132	29.132	29.140	29.140	29.163	29.193	29.213	29.243	29.254	29.275	29.281	29.281	29.267	29.258
4	29.084	29.095	29.106	29.106	29.113	29.120	29.137	29.144	29.140	29.140	29.134	29.129	29.124	29.134	
5	29.201	29.201	29.201	29.201	29.201	29.206	29.220	29.235	29.245	29.262	29.280	29.287	29.294	29.323	29.351
6	29.383	29.352	29.346	29.314	29.287	29.260	29.239	29.182	29.145	29.142	29.132	29.119	29.096	29.088	29.081
7	29.005	29.005	29.005	29.001	28.977	28.973	28.960	28.956	28.928	28.927	28.926	28.940	28.954	29.005	29.037
8	29.494	29.538	29.561	29.500	29.597	29.602	29.611	29.604	29.597	29.607	29.607	29.585	29.563	29.546	29.509
9	29.690	29.737	29.763	29.779	29.790	29.790	29.796	29.812	29.799	29.817	29.785	29.753	29.726	29.739	29.737
10	30.005	30.029	30.043	30.052	30.056	30.065	30.074	30.072	30.095	30.095	30.095	30.100	30.100	30.110	30.113
11	30.036	30.032	30.032	30.028	30.008	29.999	29.999	30.005	30.011	30.032	30.043	30.050	30.050	30.062	30.079
12	30.105	30.079	30.061	30.040	30.019	30.010	29.994	29.968	29.956	29.932	29.925	29.923	29.923	29.923	29.919
13	29.758	29.725	29.695	29.670	29.670	29.670	29.672	29.665	29.675	29.675	29.675	29.670	29.670	29.668	29.673
14	29.866	29.866	29.858	29.840	29.827	29.819	29.795	29.766	29.726	29.693	29.640	29.602	29.574	29.535	29.523
15	29.372	29.334	29.315	29.301	29.277	29.277	29.273	29.264	29.241	29.241	29.210	29.181	29.180	29.174	
16	29.239	29.287	29.305	29.337	29.364	29.381	29.402	29.426	29.438	29.433	29.422	29.302	29.361	29.322	29.278
17	28.890	28.849	28.823	28.767	28.726	28.705	28.674	28.658	28.642	28.662	28.687	28.711	28.715	28.770	28.819
18	29.080	29.080	29.054	29.028	29.007	29.001	29.045	29.085	29.115	29.150	29.194	29.228	29.262	29.286	29.333
19	29.367	29.290	29.238	29.166	29.097	29.068	29.059	29.050	29.067	29.091	29.091	29.100	29.100	29.119	29.133
20	29.230	29.230	29.230	29.230	29.230	29.266	29.272	29.203	29.304	29.311	29.303	29.325	29.330	29.334	29.357
21	29.660	29.700	29.735	29.770	29.795	29.825	29.855	29.885	29.905	29.921	29.917	29.918	29.914	29.920	29.925
22	30.149	30.149	30.175	30.202	30.230	30.262	30.299	30.332	30.339	30.365	30.369	30.360	30.396	30.403	30.426
23	30.523	30.523	30.523	30.523	30.523	30.523	30.523	30.523	30.531	30.531	30.520	30.504	30.484	30.482	
24	30.321	30.315	30.289	30.233	30.237	30.216	30.205	30.174	30.133	30.105	30.072	30.021	30.022	30.012	
25	30.081	30.080	30.089	30.098	30.098	30.107	30.121	30.145	30.154	30.172	30.172	30.172	30.172	30.155	
26	30.203	30.203	30.177	30.177	30.177	30.172	30.172	30.163	30.160	30.157	30.144	30.130	30.130	30.130	
27	30.086	30.066	30.042	30.032	30.017	30.012	30.002	29.937	29.968	29.939	29.911	29.873	29.850	29.807	29.793
28	29.745	29.765	29.765	29.765	29.789	29.814	29.839	29.839	29.839	29.839	29.839	29.839	29.855	29.860	29.870
29	29.787	29.771	29.762	29.740	29.740	29.740	29.740	29.738	29.732	29.732	29.724	29.724	29.724	29.725	29.709
30	29.516	29.515	29.513	29.547	29.599	29.626	29.663	29.673	29.634	29.634	29.655	29.681	29.698	29.709	29.720
Mean.	29.642	29.641	29.637	29.632	29.629	29.631	29.637	29.635	29.633	29.636	29.632	29.626	29.622	29.624	

Absolute Maximum = 30.531 on 23rd from 10 to 11 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

51

—HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JUNE, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Date.
29.663	29.647	29.619	29.619	29.619	29.607	29.601	29.595	29.579	29.702	29.783	7.30 a.m. ...	29.579
29.267	29.228	29.199	29.185	29.176	29.147	29.133	29.104	29.095	29.357	29.579	0 a.m. ...	29.095
29.253	29.228	29.204	29.184	29.157	29.130	29.111	29.092	29.088	29.189	29.281	Noon—1 p.m. ...	29.088
29.156	29.168	29.175	29.187	29.204	29.206	29.211	29.206	29.203	29.146	29.211	10 p.m. ...	29.084
29.375	29.398	29.416	29.429	29.423	29.423	29.423	29.417	29.400	29.305	29.429	7 p.m. ...	29.201
29.053	29.025	29.002	28.994	28.987	28.987	28.993	28.999	28.999	29.142	29.400	0 a.m. ...	28.987
29.083	29.129	29.156	29.217	29.259	29.317	29.346	29.416	29.449	29.073	29.449	Midnight ...	28.926
29.477	29.446	29.454	29.473	29.512	29.561	29.592	29.643	29.664	29.555	29.664	Midnight ...	29.446
29.752	29.758	29.789	29.834	29.854	29.884	29.928	29.952	29.971	29.795	29.971	Midnight ...	29.664
30.114	30.112	30.101	30.101	30.075	30.065	30.045	30.036	30.036	30.073	30.114	4 p.m. ...	29.971
30.096	30.103	30.110	30.119	30.119	30.131	30.122	30.114	30.114	30.061	30.131	9 p.m. ...	29.990
29.919	29.919	29.925	29.925	29.904	29.898	29.860	29.820	29.790	29.955	30.114	0 a.m. ...	29.790
29.673	29.686	29.704	29.723	29.762	29.806	29.833	29.857	29.859	29.712	29.859	Midnight ...	29.665
29.520	29.520	29.509	29.499	29.489	29.469	29.436	29.408	29.380	29.642	29.866	1-2 a.m. ...	29.380
29.169	29.169	29.169	29.182	29.195	29.207	29.225	29.203	29.226	29.236	29.380	0 a.m. ...	29.169
29.210	29.152	29.094	29.071	29.052	29.027	28.990	28.958	28.931	29.251	29.438	9 a.m. ...	28.931
28.870	28.920	28.995	29.025	29.045	29.088	29.098	29.098	29.090	28.844	29.098	10-11 p.m. ...	28.642
29.366	29.393	29.410	29.432	29.439	29.445	29.433	29.421	29.414	29.231	29.445	9 p.m. ...	28.996
29.144	29.165	29.181	29.187	29.187	29.193	29.193	29.214	29.219	29.159	29.414	0 a.m. ...	29.059
29.368	29.369	29.371	29.382	29.398	29.455	29.510	29.565	29.620	29.337	29.620	Midnight ...	29.219
29.931	29.956	29.976	30.001	30.021	30.041	30.073	30.090	30.117	29.900	30.117	Midnight ...	29.620
30.448	30.460	30.483	30.501	30.518	30.530	30.530	30.527	30.524	30.366	30.530	9-10 p.m. ...	30.117
30.475	30.444	30.430	30.415	30.408	30.384	30.379	30.353	30.332	30.478	30.531	10-11 a.m. ...	30.332
30.021	30.021	30.040	30.059	30.063	30.067	30.075	30.075	30.073	30.125	30.332	0 a.m. ...	30.012
30.181	30.181	30.207	30.214	30.214	30.214	30.203	30.203	30.156	30.214	7-10 p.m. ...	30.073	0 a.m. ...
30.130	30.130	30.122	30.114	30.107	30.110	30.105	30.101	30.091	30.147	30.203	0-2 a.m. ...	30.091
29.787	29.771	29.745	29.714	29.692	29.696	29.696	29.716	29.741	29.878	30.091	0 a.m. ...	29.692
29.885	29.885	29.885	29.881	29.858	29.850	29.830	29.830	29.802	29.831	29.885	4-6 p.m. ...	29.741
29.694	29.684	29.659	29.643	29.608	29.583	29.565	29.542	29.529	29.697	29.802	0 a.m. ...	29.529
29.731	29.737	29.743	29.764	29.790	29.795	29.801	29.818	29.840	29.677	29.840	Midnight ...	29.513
29.627	29.627	29.629	29.636	29.638	29.644	29.645	29.646	29.646	29.634	...	.....	Mean.

Absolute Minimum = 28.642 on 17th at 9 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

MACQUARIE ISLAND.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.847	29.874	29.896	29.903	29.915	29.932	29.944	29.960	29.965	29.968	29.971	29.971	29.964	29.952	29.940
2	29.629	29.595	29.561	29.517	29.483	29.451	29.420	29.400	29.376	29.344	29.332	29.335	29.333	29.325	29.323
3	29.347	29.347	29.317	29.287	29.238	29.170	29.127	29.084	29.051	29.001	28.958	28.900	28.847	28.809	28.786
4	28.852	28.846	28.831	28.870	28.910	28.959	28.999	29.033	29.067	29.120	29.153	29.186	29.229	29.272	29.305
5	29.663	29.697	29.703	29.710	29.715	29.718	29.689	29.668	29.630	29.587	29.534	29.471	29.403	29.364	
6	29.010	29.051	29.101	29.156	29.207	29.252	29.303	29.318	29.354	29.370	29.364	29.383	29.382	29.382	29.393
7	29.185	29.151	29.132	29.108	29.069	29.032	29.013	28.969	28.911	28.871	28.846	28.786	28.761	28.791	28.872
8	29.036	29.050	29.044	29.044	29.054	29.058	29.058	29.058	29.095	29.139	29.163	29.182	29.202	29.216	29.260
9	29.655	29.705	29.715	29.735	29.755	29.780	29.815	29.830	29.851	29.870	29.869	29.869	29.877	29.875	
10	29.758	29.732	29.716	29.684	29.657	29.655	29.638	29.647	29.671	29.682	29.693	29.710	29.717	29.734	29.741
11	29.721	29.692	29.668	29.639	29.605	29.581	29.532	29.499	29.455	29.435	29.393	29.344	29.320	29.276	29.282
12	29.418	29.385	29.351	29.318	29.305	29.292	29.294	29.311	29.338	29.379	29.405	29.405	29.426	29.428	29.437
13	29.426	29.436	29.436	29.436	29.438	29.438	29.441	29.441	29.431	29.427	29.386	29.325	29.289	29.253	29.227
14	29.177	29.159	29.131	29.103	29.105	29.123	29.146	29.159	29.181	29.225	29.254	29.278	29.317	29.361	29.399
15	29.549	29.539	29.534	29.514	29.514	29.509	29.539	29.565	29.587	29.613	29.620	29.630	29.657	29.674	29.687
16	29.750	29.806	29.806	29.806	29.806	29.817	29.823	29.844	29.861	29.866	29.871	29.851	29.847	29.847	29.857
17	29.871	29.858	29.840	29.816	29.808	29.800	29.792	29.784	29.775	29.772	29.749	29.726	29.718	29.700	29.696
18	29.607	29.588	29.575	29.557	29.539	29.526	29.502	29.502	29.482	29.468	29.455	29.441	29.422	29.414	29.406
19	29.350	29.340	29.339	29.339	29.339	29.339	29.339	29.336	29.333	29.324	29.294	29.275	29.265	29.246	29.216
20	29.039	29.059	29.089	29.139	29.158	29.193	29.242	29.247	29.267	29.301	29.320	29.339	29.378	29.386	29.434
21	29.721	29.749	29.756	29.779	29.826	29.871	29.913	29.936	29.939	29.959	29.962	29.962	29.971	29.981	
22	29.990	29.990	29.990	29.970	29.957	29.942	29.924	29.915	29.892	29.858	29.835	29.783	29.750	29.696	29.662
23	29.785	29.785	29.785	29.785	29.812	29.837	29.836	29.842	29.848	29.872	29.855	29.833	29.787	29.735	29.687
24	29.297	29.309	29.325	29.325	29.325	29.325	29.325	29.320	29.314	29.308	29.301	29.294	29.258	29.251	29.253
25	29.318	29.299	29.298	29.306	29.306	29.315	29.338	29.366	29.373	29.391	29.393	29.412	29.446	29.475	
26	29.685	29.694	29.703	29.703	29.703	29.703	29.703	29.688	29.688	29.676	29.628	29.590	29.552	29.514	29.463
27	29.110	29.110	29.120	29.130	29.160	29.170	29.166	29.157	29.143	29.120	29.108	29.091	29.084	29.117	29.165
28	29.677	29.684	29.684	29.684	29.681	29.673	29.636	29.628	29.610	29.595	29.595	29.615	29.645	29.664	
29	29.756	29.756	29.756	29.756	29.756	29.756	29.765	29.765	29.765	29.777	29.769	29.766	29.769	29.774	
30	29.813	29.813	29.813	29.803	29.785	29.766	29.766	29.751	29.727	29.722	29.698	29.663	29.643	29.603	29.593
31	29.399	29.399	29.380	29.376	29.377	29.383	29.392	29.409	29.409	29.413	29.427	29.413	29.405	29.405	
Mean.	29.498	29.500	29.497	29.493	29.494	29.496	29.498	29.498	29.498	29.499	29.492	29.480	29.473	29.468	29.472

Absolute Maximum = 29.998 on 21st from 8 to 11 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

53

## —HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JULY, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night,	Hourly mean:	Maximum.	Minimum.	Date.
29.927	29.899	29.867	29.855	29.838	29.810	29.771	29.722	29.673	29.894	29.971	11 a.m.—noon	29.673
29.339	29.339	29.339	29.339	29.339	29.351	29.358	29.347	29.403	29.673	0 a.m.	29.323	3 p.m.
28.795	28.817	28.889	28.913	28.913	28.911	28.893	28.867	29.014	29.347	0-2 a.m.	28.780	3-30 p.m.
29.362	29.389	29.441	29.483	29.520	29.572	29.601	29.630	29.654	29.204	29.654	Midnight	28.828
29.284	29.204	29.154	29.082	29.052	29.030	29.025	29.015	29.010	29.435	29.718	6-7 a.m.	29.010
29.403	29.406	29.409	29.392	29.358	29.321	29.262	29.228	29.204	29.296	29.412	4-30 p.m.	29.005
28.897	28.921	28.941	28.970	28.985	28.985	28.994	28.994	29.003	29.012	28.971	0 a.m.	28.761
29.291	29.343	29.395	29.431	29.472	29.528	29.564	29.605	29.635	29.234	29.635	Midnight	29.012
29.875	29.876	29.868	29.868	29.856	29.844	29.827	29.805	29.784	29.817	29.877	1 p.m.	29.635
29.748	29.756	29.755	29.755	29.754	29.754	29.754	29.735	29.718	29.784	0 a.m.	29.638	7 a.m.
29.301	29.325	29.359	29.392	29.415	29.424	29.441	29.441	29.441	29.464	29.735	0 a.m.	29.276
29.437	29.437	29.424	29.402	29.402	29.402	29.408	29.414	29.420	29.385	29.441	0 a.m.	29.292
29.190	29.158	29.110	29.088	29.116	29.123	29.160	29.177	29.177	29.302	29.443	7-30 a.m.	29.088
29.442	29.466	29.485	29.494	29.518	29.547	29.547	29.558	29.553	29.314	29.558	11 p.m.	29.100
29.710	29.722	29.723	29.731	29.639	29.768	29.774	29.780	29.790	29.635	29.790	Midnight	29.500
29.863	29.875	29.875	29.882	29.882	29.878	29.871	29.871	29.848	29.883	7-30 p.m.	29.750	1 a.m.
29.681	29.671	29.671	29.665	29.655	29.642	29.629	29.621	29.739	29.871	0-1 a.m.	29.621	Midnight
29.383	29.385	29.385	29.370	29.361	29.359	29.353	29.353	29.350	29.455	29.621	0 a.m.	29.350
29.192	29.168	29.159	29.145	29.125	29.111	29.091	29.071	29.059	29.248	29.350	0-1 a.m.	29.059
29.470	29.506	29.542	29.568	29.595	29.626	29.659	29.676	29.704	29.359	29.704	Midnight	29.039
29.989	29.989	29.989	29.989	29.998	29.998	29.998	29.998	29.990	29.920	29.998	8-11 p.m.	29.704
29.647	29.657	29.661	29.692	29.717	29.732	29.744	29.766	29.766	29.818	29.990	0-3 a.m.	29.647
29.659	29.616	29.573	29.545	29.507	29.474	29.411	29.383	29.350	29.700	29.872	10 a.m.	29.350
29.256	29.279	29.311	29.315	29.322	29.339	29.318	29.318	29.318	29.305	29.339	9 p.m.	29.248
29.507	29.515	29.542	29.570	29.582	29.599	29.629	29.637	29.661	29.437	29.661	Midnight	29.298
29.406	29.349	29.292	29.244	29.197	29.150	29.130	29.120	29.120	29.499	29.703	3-7 a.m.	29.120
29.245	29.294	29.374	29.478	29.553	29.607	29.634	29.642	29.670	29.257	29.670	Midnight	29.084
29.674	29.684	29.708	29.713	29.722	29.731	29.741	29.741	29.756	29.671	29.756	Midnight	29.595
29.786	29.786	29.792	29.792	29.808	29.810	29.813	29.813	29.813	29.779	29.813	10 p.m.—midn't	29.756
29.562	29.541	29.495	29.469	29.448	29.438	29.424	29.413	29.399	29.640	29.813	0-3 a.m.	29.399
29.405	29.416	29.427	29.433	29.454	29.449	29.449	29.455	29.453	29.413	29.455	11 p.m.	29.376
29.475	29.477	29.482	29.486	29.488	29.494	29.494	29.492	29.490	29.489	...	...	Mean.

Absolute Minimum = 28.761 on 7th at 1 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.453	29.432	29.426	29.405	29.379	29.343	29.317	29.282	29.276	29.250	29.224	29.213	29.198	29.177	29.161
2	29.098	29.093	29.098	29.103	29.108	29.113	29.127	29.127	29.127	29.125	29.112	29.094	29.076	29.048	29.020
3	28.700	28.674	28.654	28.632	28.621	28.624	28.625	28.619	28.613	28.606	28.594	28.597	28.610	28.658	28.681
4	28.929	28.941	28.953	28.960	28.971	28.977	28.989	28.981	28.981	29.008	29.010	29.007	29.000	29.003	29.021
5	29.244	29.272	29.295	29.338	29.360	29.388	29.421	29.444	29.457	29.479	29.505	29.522	29.539	29.565	29.596
6	29.644	29.633	29.617	29.591	29.580	29.564	29.553	29.517	29.486	29.452	29.428	29.414	29.395	29.386	29.389
7	29.344	29.301	29.233	29.129	29.091	29.058	29.060	29.062	29.064	29.066	29.066	29.058	29.050	29.052	29.052
8	29.118	29.122	29.134	29.140	29.162	29.171	29.190	29.204	29.204	29.210	29.210	29.215	29.226	29.251	29.282
9	29.540	29.546	29.542	29.537	29.528	29.528	29.539	29.550	29.570	29.588	29.606	29.623	29.645	29.667	29.690
10	29.921	29.921	29.938	29.945	29.952	29.979	29.980	29.984	29.986	29.982	29.978	29.984	29.964	29.959	29.959
11	29.918	29.919	29.919	29.919	29.919	29.915	29.900	29.900	29.898	29.886	29.859	29.835	29.825	29.807	
12	29.765	29.766	29.769	29.772	29.775	29.788	29.815	29.832	29.845	29.869	29.887	29.896	29.938	29.956	29.983
13	30.165	30.174	30.174	30.181	30.182	30.188	30.204	30.220	30.221	30.221	30.226	30.226	30.226	30.208	30.204
14	30.142	30.124	30.104	30.095	30.076	30.067	30.062	30.027	30.013	29.994	29.984	29.963	29.946	29.918	29.905
15	29.895	29.891	29.881	29.881	29.881	29.882	29.862	29.865	29.854	29.837	29.820	29.820	29.794	29.794	
16	29.768	29.760	29.760	29.757	29.757	29.757	29.764	29.771	29.771	29.753	29.753	29.740	29.741	29.743	
17	29.763	29.746	29.713	29.703	29.694	29.681	29.664	29.664	29.664	29.670	29.680	29.708	29.731	29.755	29.783
18	29.823	29.823	29.784	29.784	29.784	29.774	29.779	29.794	29.809	29.815	29.846	29.877	29.893	29.924	29.955
19	29.991	29.985	29.975	29.964	29.964	29.964	29.965	29.987	29.976	29.981	29.981	29.981	29.974	29.974	29.974
20	29.930	29.910	29.885	29.860	29.850	29.832	29.814	29.790	29.796	29.776	29.762	29.734	29.723	29.697	29.676
21	29.445	29.414	29.388	29.331	29.284	29.277	29.268	29.266	29.264	29.251	29.249	29.249	29.283	29.330	29.362
22	29.617	29.643	29.654	29.673	29.693	29.715	29.742	29.754	29.761	29.788	29.810	29.813	29.838	29.844	29.864
23	29.884	29.862	29.845	29.840	29.828	29.808	29.794	29.791	29.774	29.759	29.749	29.775	29.780	29.796	29.807
24	29.870	29.870	29.870	29.887	29.914	29.941	29.967	29.989	29.995	30.000	30.015	30.030	30.025	30.050	30.075
25	30.218	30.218	30.231	30.260	30.269	30.273	30.276	30.318	30.360	30.362	30.369	30.360	30.357	30.356	30.356
26	30.349	30.343	30.331	30.319	30.316	30.311	30.304	30.287	30.255	30.233	30.216	30.174	30.157	30.129	30.112
27	29.855	29.838	29.811	29.769	29.752	29.735	29.704	29.692	29.660	29.650	29.626	29.601	29.582	29.557	29.542
28	29.531	29.531	29.574	29.598	29.632	29.676	29.709	29.720	29.742	29.746	29.744	29.740	29.723	29.723	29.712
29	29.620	29.610	29.600	29.589	29.579	29.548	29.533	29.517	29.497	29.456	29.425	29.378	29.330	29.283	29.267
30	29.120	29.097	29.093	29.055	29.027	28.989	28.961	28.953	28.936	28.913	28.900	28.869	28.898	28.982	29.073
31	29.392	29.407	29.428	29.438	29.458	29.469	29.500	29.515	29.521	29.526	29.521	29.516	29.511	29.506	
Mean.	29.647	29.641	29.635	29.628	29.625	29.624	29.626	29.626	29.625	29.623	29.619	29.615	29.613	29.617	29.624

Absolute Maximum = 30.369 on 25th at 11 a.m.

## METEOROLOGY--MACQUARIE ISLAND STATION.

55

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

AUGUST, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.149	29.137	29.130	29.112	29.106	29.102	29.109	29.109	29.104	29.240	29.453	0-1 a.m.	29.102 9 p.m. ... 1
28.962	28.904	28.846	28.818	28.808	28.799	28.793	28.787	28.751	29.005	29.127	7-9 a.m.	28.751 Midnight ... 2
28.717	28.748	28.789	28.805	28.836	28.855	28.887	28.900	28.922	28.703	28.922	Midnight	28.594 11 a.m. ... 3
29.034	29.057	29.075	29.108	29.136	29.158	29.191	29.198	29.226	29.032	29.226	Midnight	28.922 0 a.m. ... 4
29.608	29.631	29.633	29.646	29.649	29.652	29.666	29.666	29.660	29.501	29.675	9-30 p.m.	29.226 0 a.m. ... 5
29.385	29.416	29.416	29.416	29.416	29.413	29.405	29.382	29.477	29.660	0 a.m.	29.382	Midnight ... 6
29.058	29.079	29.090	29.090	29.096	29.116	29.116	29.116	29.116	29.112	29.382	0 a.m.	29.050 1 p.m. ... 7
29.322	29.346	29.389	29.412	29.446	29.476	29.497	29.507	29.524	29.273	29.524	Midnight	29.116 0 a.m. ... 8
29.711	29.737	29.783	29.799	29.844	29.859	29.875	29.895	29.901	29.663	29.901	Midnight	29.528 5-6 a.m. ... 9
29.959	29.959	29.950	29.948	29.945	29.943	29.938	29.938	29.918	29.955	29.986	9 a.m.	29.901 0 a.m. ... 10
29.788	29.769	29.772	29.772	29.772	29.772	29.771	29.770	29.849	29.919	2-6 a.m.	29.770	Midnight ... 11
29.999	30.039	30.045	30.066	30.091	30.116	30.128	30.140	30.172	29.927	30.172	Midnight	29.765 1 a.m. ... 12
30.199	30.199	30.189	30.179	30.175	30.170	30.171	30.162	30.143	30.193	30.226	11 a.m.-1 p.m.	30.143 Midnight ... 13
29.900	29.895	29.889	29.880	29.891	29.893	29.895	29.895	29.983	30.143	0 a.m.	29.889 6-7 p.m. ... 14	
29.794	29.794	29.786	29.786	29.779	29.775	29.775	29.771	29.831	29.895	0-1 a.m.	29.771	Midnight ... 15
29.752	29.765	29.766	29.766	29.766	29.770	29.770	29.770	29.770	29.760	29.771	0 a.m.	29.740 1 p.m. ... 16
29.804	29.830	29.851	29.843	29.844	29.850	29.841	29.841	29.832	29.755	29.855	5-30 p.m.	29.664 7-9 a.m. ... 17
29.978	29.985	30.008	30.021	30.034	30.042	30.042	30.038	30.018	29.897	30.042	9-10 p.m.	29.774 6 a.m. ... 18
29.972	29.970	29.970	29.970	29.970	29.970	29.970	29.930	29.974	30.018	0 a.m.	29.930 Midnight ... 19	
29.666	29.641	29.600	29.570	29.565	29.545	29.530	29.498	29.471	29.723	29.930	0-1 a.m.	29.471 Midnight ... 20
29.406	29.440	29.474	29.505	29.534	29.553	29.564	29.590	29.596	29.386	29.596	Midnight	29.249 11 a.m.-noon 21
29.880	29.886	29.889	29.893	29.900	29.907	29.900	29.890	29.891	29.796	29.907	9 p.m.	29.596 0 a.m. ... 22
29.837	29.847	29.853	29.805	29.856	29.857	29.860	29.860	29.860	29.823	29.891	0 a.m.	29.749 11 a.m. ... 23
30.088	30.106	30.115	30.144	30.162	30.171	30.179	30.187	30.205	30.028	30.205	Midnight	29.860 0 a.m. ... 24
30.356	30.365	30.364	30.360	30.354	30.349	30.349	30.349	30.349	30.321	30.309	11 a.m.	30.205 0 a.m. ... 25
30.082	30.067	30.041	30.006	29.981	29.971	29.939	29.907	29.876	30.164	30.349	0-1 a.m.	29.876 Midnight ... 26
29.528	29.514	29.501	29.488	29.475	29.482	29.494	29.506	29.518	29.627	29.876	0 a.m.	29.475 8 p.m. ... 27
29.712	29.698	29.679	29.665	29.661	29.657	29.646	29.641	29.641	29.668	29.746	10 a.m.	29.518 0 a.m. ... 28
29.242	29.226	29.190	29.170	29.150	29.140	29.136	29.136	29.123	29.375	29.641	0 a.m.	29.128 Midnight ... 29
29.126	29.179	29.232	29.253	29.295	29.306	29.331	29.347	29.367	29.091	29.367	Midnight	28.869 Noon ... 30
29.495	29.483	29.472	29.456	29.420	29.420	29.398	29.376	29.364	29.463	29.526	10-11 a.m.	29.364 Midnight ... 31
29.629	29.636	29.638	29.638	29.644	29.648	29.651	29.651	29.648	29.632	...	.....	..... Mean.

"Absolute Minimum = 28.594 on 3rd at 11 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION;

Table I.—ATMOSPHERIC PRESSURE

MACQUARIE ISLAND:

BAROMETER (IN INCHES). CORRECTED AND

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.337	29.310	29.298	29.297	29.246	29.225	29.209	29.188	29.142	29.107	29.051	29.010	29.054	29.808	28.837
2	28.747	28.747	28.747	28.747	28.760	28.771	28.800	28.849	28.864	28.874	28.880	28.889	28.894	28.908	28.913
3	29.039	29.044	29.059	29.068	29.073	29.088	29.102	29.127	29.147	29.161	29.165	29.159	29.159	29.159	29.148
4	28.949	28.927	28.880	28.863	28.841	28.793	28.776	28.719	28.662	28.591	28.560	28.514	28.478	28.477	28.477
5	28.814	28.843	28.877	28.906	28.954	28.987	29.024	29.061	29.093	29.119	29.164	29.172	29.202	29.223	29.231
6	29.254	29.206	29.158	29.126	29.074	29.011	28.979	28.907	28.855	28.835	29.840	28.855	28.860	28.865	28.865
7	28.561	28.508	28.494	28.461	28.417	28.499	28.540	28.546	28.523	28.547	28.601	28.660	28.703	28.741	28.774
8	29.108	29.114	29.120	29.122	29.122	29.122	29.122	29.122	29.122	29.111	29.110	29.104	29.078	29.052	29.050
9	29.133	29.139	29.145	29.156	29.162	29.178	29.184	29.187	29.189	29.182	29.152	29.118	29.073	29.049	29.014
10	28.885	28.875	28.847	28.843	28.825	28.810	28.812	28.810	28.805	28.802	28.809	28.822	28.831	28.838	28.856
11	29.089	29.131	29.148	29.165	29.187	29.218	29.239	29.261	29.247	29.247	29.236	29.228	29.202	29.170	29.127
12	28.846	28.778	28.767	28.736	28.745	28.779	28.793	28.872	28.994	29.086	29.174	29.228	29.312	29.376	29.441
13	29.886	29.915	29.939	29.963	29.987	30.010	30.043	30.079	30.093	30.114	30.135	30.156	30.187	30.208	30.235
14	30.367	30.372	30.383	30.388	30.394	30.404	30.412	30.416	30.438	30.422	30.412	30.388	30.367	30.346	30.314
15	29.909	29.831	29.778	29.675	29.622	29.599	29.601	29.613	29.624	29.624	29.624	29.624	29.612	29.608	
16	29.558	29.543	29.535	29.527	29.524	29.516	29.525	29.601	29.652	29.693	29.714	29.741	29.774	29.811	29.830
17	30.007	30.007	29.984	29.962	29.949	29.915	29.883	29.841	29.814	29.779	29.720	29.688	29.658	29.628	29.618
18	29.524	29.500	29.493	29.470	29.467	29.467	29.474	29.490	29.520	29.530	29.530	29.530	29.530	29.530	29.537
19	29.513	29.513	29.513	29.519	29.530	29.542	29.564	29.581	29.592	29.586	29.575	29.563	29.536	29.519	29.512
20	29.372	29.367	29.356	29.346	29.360	29.374	29.387	29.392	29.412	29.412	29.412	29.412	29.412	29.402	29.412
21	29.374	29.351	29.309	29.277	29.235	29.235	29.263	29.291	29.309	29.310	29.301	29.262	29.250	29.228	29.211
22	29.441	29.482	29.512	29.553	29.594	29.620	29.646	29.666	29.672	29.672	29.669	29.664	29.662	29.662	
23	29.853	29.853	29.853	29.853	29.862	29.870	29.880	29.902	29.910	29.920	29.910	29.921	29.931	29.941	29.951
24	30.071	30.072	30.073	30.079	30.090	30.101	30.107	30.114	30.131	30.131	30.131	30.135	30.129	30.128	30.124
25	30.094	30.070	30.057	30.044	30.021	30.017	30.009	29.986	29.964	29.939	29.919	29.904	29.874	29.844	29.819
26	29.748	29.738	29.723	29.723	29.693	29.693	29.693	29.688	29.668	29.652	29.626	29.605	29.585	29.563	29.549
27	29.409	29.392	29.380	29.354	29.328	29.307	29.271	29.260	29.254	29.261	29.261	29.243	29.220	29.217	29.216
28	29.483	29.489	29.500	29.505	29.496	29.491	29.482	29.438	29.393	29.373	29.368	29.362	29.349	29.341	29.311
29	29.324	29.351	29.356	29.361	29.360	29.370	29.410	29.405	29.405	29.405	29.380	29.325	29.270	29.250	29.310
30	29.545	29.532	29.527	29.532	29.532	29.532	29.532	29.521	29.513	29.475	29.457	29.433	29.415	29.391	29.366
Mean.	29.408	29.400	29.304	29.387	29.381	29.385	29.392	29.398	29.400	29.399	29.397	29.391	29.387	29.386	29.377

Absolute Maximum = 30.438 on 14th at 9 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

SEPTEMBER, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
28-784	28-784	28-790	28-787	28-774	28-761	28-751	28-746	28-747	29-019	29-364	0 a.m. ...	28-746 11 p.m. ... 1
28-921	28-939	28-952	28-955	28-968	28-990	29-000	29-000	29-029	28-880	29-029	Midnight ...	28-742 2-15 a.m. ... 2
29-122	29-081	29-055	29-025	29-005	28-992	28-992	28-980	28-958	29-081	29-165	11 a.m. ...	28-958 Midnight ... 3
28-490	28-538	28-566	28-593	28-641	28-663	28-707	28-736	28-775	28-679	28-958	0 a.m. ...	28-477 2-3 p.m. ... 4
29-248	29-265	29-271	29-289	29-306	29-309	29-301	29-288	29-276	29-124	29-309	9 p.m. ...	28-775 0 a.m. ... 5
28-865	28-865	28-847	28-824	28-762	28-710	28-622	28-578	28-565	28-899	29-276	0 a.m. ...	28-565 Midnight ... 6
28-817	28-880	28-907	28-959	28-981	29-033	29-064	29-071	29-092	28-713	29-092	Midnight ...	28-417 5 a.m. ... 7
29-045	29-045	29-035	29-044	29-049	29-059	29-075	29-101	29-112	29-097	29-122	4-9 a.m. ...	29-035 6 p.m. ... 8
28-962	28-930	28-898	28-861	28-837	28-843	28-845	28-860	28-870	29-045	29-192	8-30 a.m. ...	28-837 8-8-30 p.m. ... 9
28-862	28-883	28-894	28-925	28-948	28-981	29-004	29-036	29-067	28-874	29-067	Midnight ...	28-802 10 a.m. ... 10
29-072	29-027	28-997	28-962	28-905	28-874	28-874	28-863	28-852	29-101	29-261	8 a.m. ...	28-852 Midnight ... 11
29-503	29-576	29-624	29-677	29-719	29-765	29-799	29-813	29-852	29-240	29-852	Midnight ...	28-736 4 a.m. ... 12
30-249	30-270	30-271	30-272	30-304	30-311	30-326	30-336	30-357	30-141	30-357	Midnight ...	29-852 0 a.m. ... 13
30-293	30-273	30-232	30-201	30-175	30-149	30-096	30-040	29-967	30-310	30-438	9 a.m. ...	29-967 Midnight ... 14
29-593	29-590	29-584	29-586	29-589	29-594	29-597	29-590	29-569	29-644	29-967	0 a.m. ...	29-569 Midnight ... 15
29-853	29-901	29-928	29-955	29-983	30-016	30-009	30-007	30-007	29-749	30-016	9 p.m. ...	29-516 6 a.m. ... 16
20-590	29-590	29-579	29-558	29-558	29-558	29-539	29-539	29-532	29-740	30-007	0-2 a.m. ...	29-532 Midnight ... 17
29-532	29-526	29-518	29-518	29-518	29-518	29-513	29-513	29-508	29-511	29-537	3 p.m. ...	29-467 5-6 a.m. ... 18
29-493	29-479	29-465	29-446	29-442	29-442	29-410	29-399	29-378	29-506	29-592	9 a.m. ...	29-378 Midnight ... 19
29-418	29-424	29-430	29-432	29-439	29-435	29-428	29-428	29-407	29-402	29-439	8 p.m. ...	29-343 4-30 a.m. ... 20
29-180	29-159	29-168	29-207	29-237	29-262	29-288	29-339	29-396	29-269	29-407	0 a.m. ...	29-157 5-30 p.m. ... 21
29-684	29-702	29-711	29-749	29-762	29-802	29-825	29-837	29-844	29-662	29-844	Midnight ...	29-396 0 a.m. ... 22
29-964	29-973	29-981	30-005	30-023	30-040	30-045	30-050	30-061	29-935	30-061	Midnight ...	29-844 0 a.m. ... 23
30-122	30-124	30-127	30-127	30-124	30-124	30-119	30-111	30-103	30-111	30-135	Noon ...	30-061 0 a.m. ... 24
29-812	29-810	29-808	29-802	29-795	29-783	29-783	29-758	29-753	29-920	30-103	0 a.m. ...	29-753 Midnight ... 25
29-522	29-512	29-502	29-492	29-477	29-468	29-452	29-441	29-420	29-600	29-753	0 a.m. ...	29-420 Midnight ... 26
29-211	29-209	29-237	29-280	29-333	29-376	29-412	29-437	29-463	29-305	29-463	Midnight ...	29-200 5 p.m. ... 27
29-267	29-228	29-184	29-186	29-222	29-264	29-313	29-323	29-337	29-365	29-505	4 a.m. ...	29-180 6-30 p.m. ... 28
29-353	29-396	29-420	29-480	29-499	29-517	29-537	29-539	29-542	29-395	29-542	Midnight ...	29-250 2 p.m. ... 29
29-329	29-307	29-255	29-214	29-163	29-115	29-061	29-010	28-959	29-375	29-545	1 a.m. ...	28-959 Midnight ... 30
29-372	29-376	29-375	29-380	29-385	29-394	29-393	29-392	29-393	29-389	...	.....	Mean.

Absolute Minimum = 28-417 on 7th at 5 a.m.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	28.959	28.944	28.944	28.944	28.959	28.963	28.978	29.002	29.022	29.034	29.030	29.026	29.064	29.052	29.048
2	29.195	29.228	29.250	29.261	29.294	29.316	29.349	29.400	29.409	29.434	29.459	29.465	29.496	29.515	29.534
3	29.693	29.693	29.682	29.661	29.640	29.609	29.568	29.552	29.552	29.525	29.520	29.504	29.482	29.467	29.472
4	29.519	29.535	29.530	29.541	29.546	29.562	29.573	29.578	29.583	29.588	29.593	29.605	29.610	29.615	29.621
5	29.615	29.591	29.581	29.571	29.566	29.551	29.532	29.522	29.508	29.501	29.488	29.476	29.463	29.446	29.434
6	29.181	29.158	29.152	29.152	29.134	29.111	29.094	29.071	29.066	29.039	29.012	28.980	28.972	29.969	28.946
7	29.261	29.294	29.316	29.332	29.348	29.364	29.375	29.371	29.362	29.347	29.337	29.311	29.285	29.249	29.208
8	28.811	28.786	28.762	28.747	28.762	28.798	28.829	28.849	28.854	28.848	28.835	28.829	28.817	28.811	28.815
9	29.296	29.350	29.388	29.437	29.469	29.483	29.497	29.505	29.505	29.492	29.477	29.464	29.458	29.462	29.468
10	29.449	29.449	29.456	29.453	29.453	29.466	29.466	29.461	29.441	29.398	29.375	29.322	29.269	29.205	29.177
11	29.245	29.326	29.413	29.467	29.505	29.570	29.603	29.657	29.673	29.704	29.740	29.766	29.797	29.808	29.834
12	29.813	29.810	29.807	29.804	29.801	29.808	29.815	29.828	29.835	29.840	29.850	29.855	29.865	29.880	29.895
13	30.040	30.044	30.048	30.060	30.077	30.081	30.081	30.081	30.093	30.092	30.090	30.088	30.086	30.084	30.084
14	30.098	30.098	30.071	30.066	30.061	30.046	30.024	30.002	29.981	29.949	29.923	29.885	29.853	29.815	29.795
15	29.481	29.455	29.403	29.367	29.351	29.325	29.293	29.272	29.261	29.220	29.207	29.174	29.156	29.118	29.106
16	28.857	28.789	28.721	28.653	28.606	28.559	28.543	28.527	28.527	28.522	28.517	28.498	28.484	28.479	28.475
17	28.752	28.779	28.800	28.827	28.859	28.885	28.912	28.928	28.939	28.960	28.986	29.007	29.028	29.035	29.042
18	29.275	29.285	29.306	29.321	29.336	29.362	29.377	29.392	29.392	29.387	29.382	29.365	29.348	29.311	29.279
19	29.226	29.214	29.206	29.206	29.212	29.224	29.242	29.260	29.283	29.305	29.311	29.339	29.361	29.373	29.390
20	29.337	29.299	29.266	29.238	29.205	29.156	29.129	29.091	29.036	28.972	28.943	28.914	28.899	28.885	28.880
21	29.300	29.320	29.350	29.370	29.395	29.410	29.410	29.400	29.385	29.353	29.326	29.277	29.250	29.223	29.184
22	29.314	29.357	29.379	29.422	29.465	29.513	29.540	29.546	29.546	29.553	29.545	29.537	29.523	29.487	29.466
23	29.214	29.187	29.159	29.126	29.104	29.098	29.076	29.049	29.062	29.087	29.087	29.082	29.062	29.062	29.088
24	29.131	29.126	29.137	29.148	29.180	29.201	29.211	29.216	29.221	29.233	29.234	29.234	29.235	29.235	29.235
25	29.223	29.213	29.239	29.244	29.269	29.284	29.294	29.294	29.289	29.278	28.257	29.236	29.199	29.178	29.146
26	29.047	29.037	29.042	29.056	29.079	29.093	29.098	29.113	29.129	29.135	29.141	29.147	29.138	29.116	29.098
27	28.783	28.838	28.843	28.878	28.903	28.923	28.933	28.973	28.978	29.002	29.012	29.031	29.030	29.036	29.036
28	28.956	28.983	29.029	29.076	29.120	29.153	29.197	29.214	29.242	29.278	29.289	29.325	29.356	29.382	29.419
29	29.664	29.693	29.720	29.758	29.782	29.830	29.859	29.901	29.919	29.936	29.949	29.966	29.974	29.982	29.990
30	29.990	29.975	29.970	29.965	29.960	29.960	29.960	29.955	29.933	29.923	29.913	29.908	29.893	29.888	29.872
31	29.725	29.710	29.672	29.653	29.638	29.614	29.599	29.565	29.536	29.511	29.486	29.466	29.441	29.407	29.378
Mean.	29.337	29.344	29.344	29.349	29.357	29.349	29.370	29.369	29.373	29.369	29.365	29.357	29.352	29.341	29.336

Absolute Maximum = 30.108 on 13th from 8 to 10 p.m.

## —HOURLY VALUES—continued..

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

OCTOBER, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.043	29.065	29.070	29.080	29.102	29.134	29.167	29.178	29.184	29.037	29.184	Midnight ...	28.944 2-4 a.m. ... 1
29.557	29.580	29.606	29.634	29.664	29.678	29.683	29.693	29.693	29.464	29.693	11 p.m.—mid't	29.184 0 a.m. ... 2
29.488	29.498	29.508	29.518	29.518	29.529	29.529	29.529	29.524	29.556	29.693	0-2 a.m. ...	29.467 2 p.m. ... 3
29.621	29.629	29.633	29.641	29.649	29.653	29.653	29.639	29.625	29.596	29.653	9-10 p.m. ...	29.519 1 a.m. ... 4
29.406	29.394	29.381	29.323	29.295	29.278	29.244	29.216	29.186	29.449	29.625	0 a.m. ...	29.186 Midnight ... 5
28.930	28.923	28.936	29.029	29.109	29.163	29.207	29.229	29.245	29.074	29.245	Midnight ...	28.923 5 p.m. ... 6
29.164	29.109	29.065	29.004	28.965	28.899	28.879	28.845	28.835	29.197	29.375	7 a.m. ...	28.835 Midnight ... 7
28.839	28.854	28.894	28.932	28.986	29.042	29.107	29.188	29.242	28.876	29.242	Midnight ...	28.747 4 a.m. ... 8
29.470	29.462	29.453	29.454	29.455	29.455	29.452	29.449	29.449	29.450	29.505	8-9 a.m. ...	29.242 0 a.m. ... 9
29.168	29.080	29.052	29.046	29.050	29.038	29.038	29.033	29.142	29.274	29.466	6-7 a.m. ...	29.033 11 p.m. ... 10
29.853	29.858	29.859	29.860	29.851	29.836	29.836	29.833	29.821	29.682	29.860	7 p.m. ...	29.142 0 a.m. ... 11
29.909	29.928	29.947	29.981	30.005	30.012	30.020	30.024	30.028	29.886	30.028	Midnight ...	29.801 5 a.m. ... 12
30.084	30.084	30.098	30.108	30.108	30.108	30.103	30.103	30.082	30.108	30.108	8-10 p.m. ...	30.028 0 a.m. ... 13
29.751	29.702	29.663	29.634	29.624	29.605	29.579	29.543	29.507	29.867	30.103	0 a.m. ...	29.507 Midnight ... 14
29.087	29.058	29.048	29.043	29.033	29.019	28.998	28.956	28.894	29.193	29.507	0 a.m. ...	28.894 Midnight ... 15
28.471	28.492	28.513	28.566	28.576	28.635	28.656	28.688	28.725	28.590	28.894	0 a.m. ...	28.471 4 p.m. ... 16
29.074	29.094	29.136	29.173	29.183	29.188	29.214	29.234	29.254	29.001	29.254	Midnight ...	28.725 0 a.m. ... 17
29.239	29.199	29.186	29.211	29.223	29.230	29.230	29.226	29.226	29.296	29.392	8-9 a.m. ...	29.181 5-40 p.m. ... 18
29.412	29.418	29.430	29.447	29.447	29.447	29.436	29.403	29.365	29.329	29.447	7-9 p.m. ...	29.202 3-30 a.m. ... 19
28.865	28.868	28.868	28.943	29.048	29.128	29.182	29.221	29.260	29.070	29.365	0 a.m. ...	28.865 4 p.m. ... 20
29.148	29.107	29.112	29.127	29.166	29.180	29.207	29.239	29.266	29.271	29.410	6-7 a.m. ...	29.107 5 p.m. ... 21
29.438	29.410	29.382	29.354	29.336	29.324	29.302	29.291	29.247	29.429	29.553	10 a.m. ...	29.247 Midnight ... 22
29.088	29.162	29.121	29.145	29.158	29.150	29.155	29.150	29.145	29.121	29.247	0 a.m. ...	29.044 8-45 a.m. ... 23
29.231	29.231	29.231	29.230	29.228	29.229	29.228	29.228	29.209	29.209	29.235	1-3 p.m. ...	29.126 2 a.m. ... 24
29.120	29.090	29.078	29.072	29.096	29.100	29.084	29.079	29.063	29.188	29.294	7-8 a.m. ...	29.063 Midnight ... 25
29.062	29.016	28.985	28.954	28.908	28.867	28.822	28.783	28.773	29.033	29.147	Noon ...	28.753 11-30 p.m. ... 26
29.052	29.044	29.022	29.006	28.990	28.957	28.944	28.950	28.950	28.960	29.052	4 p.m. ...	28.773 0 a.m. ... 27
29.440	29.473	29.499	29.525	29.573	29.503	29.611	29.623	29.652	29.319	29.652	Midnight ...	28.950 0 a.m. ... 28
30.000	30.003	30.006	30.069	30.015	30.011	30.011	30.006	29.995	29.909	30.015	8 p.m. ...	29.652 0 a.m. ... 29
29.857	29.842	29.827	29.812	29.808	29.793	29.774	29.764	29.744	29.892	29.995	0 a.m. ...	29.744 Midnight ... 30
29.358	29.334	29.321	29.313	29.300	29.287	29.279	29.275	29.271	29.474	29.744	0 a.m. ...	29.271 Midnight ... 31
29.328	29.321	29.320	29.328	29.338	29.341	29.343	29.343	29.343	29.347	...	.....	..... Mean.

Absolute Minimum = 28.471 on 16th at 4 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE  
BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.271	29.267	29.267	29.272	29.277	29.301	29.313	29.325	29.331	29.337	29.352	29.357	29.362	29.372	29.388
2	29.485	29.503	29.521	29.544	29.573	29.596	29.625	29.649	29.655	29.665	29.684	29.689	29.694	29.703	29.713
3	29.874	29.880	29.886	29.886	29.886	29.891	29.891	29.886	29.868	29.848	29.838	29.828	29.818	29.797	29.777
4	29.520	29.493	29.466	29.439	29.402	29.397	29.380	29.343	29.306	29.286	29.266	29.261	29.266	29.271	29.281
5	29.473	29.488	29.512	29.532	29.565	29.593	29.613	29.641	29.646	29.653	29.660	29.657	29.673	29.689	29.689
6	29.768	29.772	29.773	29.774	29.797	29.797	29.801	29.794	29.790	29.785	29.783	29.782	29.779	29.780	29.775
7	29.805	29.809	29.811	29.814	29.819	29.828	29.839	29.837	29.842	29.844	29.845	29.848	29.849	29.849	29.856
8	29.875	29.870	29.843	29.843	29.843	29.826	29.804	29.777	29.760	29.730	29.725	29.713	29.701	29.671	29.659
9	29.616	29.611	29.606	29.601	29.598	29.596	29.580	29.557	29.541	29.509	29.488	29.462	29.436	29.394	29.358
10	29.077	29.065	29.059	29.037	29.037	29.041	29.045	29.049	29.063	29.082	29.111	29.145	29.169	29.208	
11	29.456	29.486	29.511	29.531	29.556	29.576	29.601	29.613	29.619	29.619	29.615	29.598	29.598	29.581	
12	29.534	29.557	29.591	29.625	29.659	29.688	29.722	29.734	29.763	29.791	29.814	29.827	29.835	29.835	
13	29.825	29.819	29.813	29.807	29.801	29.801	29.801	29.801	29.790	29.790	29.789	29.790	29.790	29.790	
14	29.788	29.779	29.767	29.755	29.755	29.755	29.752	29.747	29.744	29.745	29.745	29.757	29.757	29.776	
15	29.855	29.857	29.862	29.871	29.881	29.885	29.895	29.900	29.895	29.888	29.871	29.866	29.859	29.852	29.845
16	29.737	29.704	29.686	29.668	29.650	29.632	29.621	29.598	29.585	29.558	29.525	29.497	29.469	29.447	29.430
17	29.325	29.304	29.270	29.250	29.243	29.238	29.222	29.211	29.185	29.165	29.152	29.135	29.135	29.131	29.128
18	29.081	29.079	29.079	29.079	29.092	29.105	29.129	29.142	29.155	29.186	29.186	29.189	29.193	29.197	29.197
19	29.251	29.248	29.245	29.239	29.236	29.233	29.233	29.230	29.224	29.224	29.217	29.203	29.197	29.197	29.197
20	29.171	29.176	29.176	29.176	29.171	29.171	29.171	29.171	29.170	29.173	29.176	29.179	29.186	29.189	
21	29.299	29.321	29.326	29.342	29.347	29.347	29.353	29.380	29.385	29.381	29.377	29.369	29.361	29.357	29.349
22	29.058	29.005	28.957	28.936	28.936	28.946	28.951	28.951	28.964	28.982	28.982	28.979	28.975	28.963	28.963
23	28.950	28.950	28.952	28.966	28.972	28.992	29.027	29.062	29.067	29.090	29.127	29.155	29.178	29.201	29.224
24	29.448	29.457	29.476	29.495	29.531	29.549	29.570	29.570	29.570	29.574	29.578	29.577	29.561	29.561	
25	29.434	29.414	29.388	29.352	29.332	29.327	29.301	29.270	29.234	29.215	29.157	29.116	29.092	29.072	29.052
26	29.012	29.011	29.011	29.014	29.034	29.039	29.055	29.065	29.081	29.100	29.120	29.128	29.130	29.130	29.136
27	29.254	29.248	29.248	29.264	29.272	29.277	29.282	29.277	29.272	29.268	29.265	29.261	29.257	29.254	29.250
28	29.203	29.193	29.171	29.171	29.194	29.199	29.209	29.209	29.209	29.214	29.219	29.220	29.234	29.239	29.268
29	29.370	29.370	29.370	29.370	29.370	29.370	29.358	29.353	29.345	29.325	29.313	29.291	29.257	29.229	29.206
30	28.966	28.954	28.951	28.960	28.963	28.966	28.966	28.969	28.972	28.989	28.994	29.016	29.028	29.047	29.072
Mean.	29.426	29.423	29.420	29.420	29.426	29.432	29.437	29.437	29.434	29.433	29.431	29.429	29.427	29.425	29.425

Absolute Maximum = 29.903 on 7th at 7 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

61

## —HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

NOVEMBER, 1913.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Date.
29.398	29.403	29.422	29.437	29.456	29.461	29.479	29.484	29.485	29.363	29.485	Midnight ...	29.267 2-3 a.m. ... 1
29.719	29.725	29.737	29.770	29.814	29.842	29.853	29.858	29.869	29.679	29.869	Midnight ...	29.485 0-1 a.m. ... 2
29.759	29.735	29.729	29.717	29.705	29.659	29.637	29.615	29.547	29.797	29.891	6-7 a.m. ...	29.547 Midnight ... 3
29.300	29.326	29.359	29.378	29.397	29.410	29.425	29.435	29.458	29.371	29.547	0 a.m. ...	29.261 Noon ... 4
29.689	29.699	29.704	29.725	29.741	29.757	29.762	29.768	29.770	29.648	29.770	Midnight ...	29.458 0 a.m. ... 5
29.775	29.775	29.781	29.792	29.795	29.795	29.800	29.801	29.802	29.785	29.802	Midnight ...	29.768 1 a.m. ... 6
29.863	29.871	29.887	29.903	29.899	29.899	29.899	29.899	29.887	29.853	29.903	7 p.m. ...	29.802 0 a.m. ... 7
29.650	29.645	29.640	29.640	29.635	29.626	29.621	29.621	29.616	29.728	29.887	0 a.m. ...	29.616 Midnight ... 8
29.319	29.296	29.257	29.224	29.196	29.168	29.133	29.111	29.094	29.417	29.616	0-1 a.m. ...	29.094 Midnight ... 9
29.228	29.257	29.291	29.330	29.355	29.384	29.396	29.416	29.436	29.173	29.436	Midnight ...	29.037 4-6 a.m. ... 10
29.545	29.527	29.526	29.515	29.513	29.502	29.498	29.516	29.522	29.550	29.619	9-10 a.m. ...	29.436 0 a.m. ... 11
29.844	29.838	29.838	29.847	29.861	29.855	29.843	29.831	29.831	29.760	29.861	8 p.m. ...	29.522 0 a.m. ... 12
29.790	29.790	29.793	29.806	29.805	29.809	29.803	29.802	29.802	29.800	29.831	0 a.m. ...	29.789 Noon ... 13
29.777	29.788	29.804	29.820	29.836	29.847	29.825	29.845	29.855	29.781	29.855	Midnight ...	29.744 10 a.m. ... 14
29.841	29.833	29.829	29.831	29.842	29.824	29.801	29.788	29.755	29.853	29.900	8 a.m. ...	29.755 Midnight ... 15
29.408	29.402	29.396	29.390	29.384	29.379	29.363	29.347	29.520	29.755	0 a.m. ...	29.347 Midnight ... 16	
29.117	29.106	29.100	29.094	29.098	29.092	29.085	29.084	29.083	29.170	29.347	0 a.m. ...	29.083 Midnight ... 17
29.201	29.205	29.209	29.215	29.228	29.240	29.254	29.254	29.251	29.160	29.254	10-11 p.m. ...	29.079 2-4 a.m. ... 18
29.190	29.183	29.171	29.171	29.179	29.182	29.182	29.182	29.166	29.209	29.251	0-1 a.m. ...	29.166 Midnight ... 19
29.200	29.203	29.206	29.209	29.237	29.245	29.251	29.267	29.283	29.195	29.283	Midnight ...	29.166 0 a.m. ... 20
29.338	29.333	29.322	29.286	29.255	29.214	29.183	29.135	29.099	29.313	29.385	9 a.m. ...	29.099 Midnight ... 21
28.963	28.963	28.963	28.967	28.951	28.955	28.952	28.952	28.952	28.970	29.099	0 a.m. ...	28.931 4-30 a.m. ... 22
29.238	29.262	29.281	29.305	29.339	29.318	29.387	29.410	29.424	29.152	29.424	Midnight ...	28.950 1-2 a.m. ... 23
29.555	29.549	29.542	29.546	29.528	29.521	29.506	29.485	29.465	29.531	29.578	11 a.m. ...	29.424 0 a.m. ... 24
29.031	29.024	29.017	29.016	29.015	29.013	29.012	29.012	29.012	29.172	29.465	0 a.m. ...	29.012 10 p.m.—mid't. 25
29.158	29.163	29.179	29.201	29.239	29.244	29.249	29.249	29.254	29.120	29.254	Midnight ...	29.011 2-3 a.m. ... 26
29.233	29.235	29.234	29.237	29.231	29.225	29.225	29.225	29.208	29.251	29.282	7 a.m. ...	29.208 Midnight ... 27
29.278	29.298	29.313	29.338	29.353	29.353	29.365	29.370	29.370	29.255	29.370	11 p.m.—midn't	29.171 3-4 a.m. ... 28
29.183	29.166	29.129	29.101	29.079	29.062	29.022	29.000	28.988	29.242	29.370	0-6 a.m. ...	28.988 Midnight ... 29
29.105	29.138	29.171	29.224	29.265	29.319	29.337	29.390	29.418	29.082	29.418	Midnight ...	28.951 3 a.m. ... 30
29.423	29.425	29.428	29.435	29.441	29.440	29.439	29.439	29.435	29.430	...	.....	..... Mean.

Absolute Minimum = 28.931 on 22nd at 4.30 a.m.

## MACQUARIE ISLAND.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.729	29.749	29.761	29.773	29.804	29.835	29.840	29.848	29.850	29.851	29.856	29.866	29.876	29.857	29.878
2	29.815	29.822	29.839	29.851	29.858	29.855	29.852	29.848	29.840	29.838	29.821	29.814	29.802	29.790	29.776
3	29.516	29.485	29.469	29.438	29.408	29.386	29.361	29.348	29.305	29.267	29.239	29.205	29.182	29.158	29.147
4	29.052	29.035	29.025	29.019	29.027	29.046	29.068	29.080	29.092	29.099	29.112	29.127	29.147	29.161	29.176
5	28.876	28.833	28.794	28.790	28.810	28.810	28.778	28.757	28.746	28.735	28.748	28.754	28.755	28.737	28.733
6	29.166	29.176	29.186	29.197	29.208	29.218	29.218	29.218	29.208	29.190	29.171	29.162	29.159	29.142	29.126
7	29.088	29.093	29.104	29.109	29.116	29.132	29.148	29.160	29.166	29.180	29.187	29.191	29.198	29.203	29.210
8	29.214	29.208	29.197	29.188	29.219	29.225	29.251	29.255	29.246	29.249	29.251	29.248	29.248	29.245	29.245
9	29.158	29.126	29.104	29.078	29.051	29.005	28.994	28.949	28.888	28.867	28.846	28.830	28.805	28.783	28.775
10	28.827	28.861	28.910	28.958	29.007	29.041	29.085	29.140	29.184	29.216	29.268	29.288	29.299	29.329	29.366
11	29.427	29.415	29.409	29.398	29.397	29.376	29.365	29.354	29.326	29.324	29.318	29.310	29.307	29.299	
12	29.266	29.258	29.246	29.243	29.243	29.245	29.240	29.237	29.233	29.237	29.240	29.243	29.249	29.256	29.260
13	29.328	29.328	29.337	29.345	29.355	29.367	29.380	29.395	29.413	29.435	29.443	29.457	29.481	29.514	29.531
14	29.661	29.652	29.644	29.644	29.638	29.628	29.608	29.583	29.553	29.538	29.528	29.533	29.538	29.549	29.556
15	29.662	29.654	29.655	29.668	29.661	29.669	29.670	29.665	29.652	29.607	29.594	29.562	29.573	29.556	29.542
16	29.233	29.173	29.128	29.055	29.089	29.120	29.143	29.128	29.123	29.105	29.102	29.098	29.101	29.101	
17	29.156	29.155	29.150	29.150	29.150	29.145	29.145	29.136	29.122	29.108	29.100	29.080	29.061	29.052	29.048
18	29.071	29.084	29.097	29.110	29.126	29.142	29.153	29.164	29.175	29.175	29.194	29.231	29.239	29.268	29.291
19	29.491	29.499	29.512	29.512	29.512	29.506	29.486	29.440	29.384	29.360	29.284	29.237	29.180	29.188	29.005
20	29.253	29.293	29.333	29.363	29.378	29.380	29.374	29.373	29.377	29.388	29.395	29.380	29.363	29.315	29.275
21	29.330	29.330	29.335	29.383	29.423	29.473	29.518	29.567	29.591	29.611	29.633	29.655	29.677	29.699	29.735
22	29.793	29.783	29.771	29.765	29.754	29.727	29.721	29.699	29.672	29.663	29.658	29.654	29.640	29.635	29.632
23	29.460	29.418	29.371	29.339	29.318	29.286	29.254	29.203	29.152	29.105	29.064	29.083	29.078	29.060	29.042
24	29.035	29.020	29.027	29.031	29.042	29.093	29.119	29.150	29.171	29.205	29.228	29.256	29.273	29.305	29.337
25	29.545	29.549	29.549	29.549	29.544	29.544	29.522	29.505	29.486	29.453	29.439	29.418	29.398	29.398	29.403
26	29.553	29.558	29.549	29.565	29.580	29.580	29.580	29.588	29.592	29.582	29.600	29.633	29.651	29.674	29.692
27	29.938	29.945	29.962	29.974	29.991	30.008	30.021	30.048	30.055	30.057	30.063	30.069	30.080	30.091	30.093
28	30.042	30.013	29.991	29.981	29.973	29.967	29.967	29.957	29.946	29.919	29.929	29.921	29.912	29.903	29.916
29	29.767	29.746	29.725	29.714	29.692	29.670	29.659	29.639	29.618	29.588	29.547	29.526	29.494	29.463	29.443
30	29.548	29.559	29.566	29.572	29.602	29.619	29.621	29.642	29.662	29.674	29.696	29.718	29.721	29.731	29.750
31	29.770	29.764	29.758	29.753	29.740	29.736	29.718	29.722	29.732	29.737	29.739	29.762	29.776	29.805	29.839
Mean.	29.412	29.406	29.403	29.404	29.410	29.414	29.415	29.413	29.405	29.399	29.398	29.397	29.396	29.396	29.394

Absolute Maximum = 30.107 on 27th at 5 p.m.

## —HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY,

DECEMBER, 1914.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29-875	29-872	29-865	29-836	29-848	29-838	29-830	29-821	29-818	29-832	29-878	3 p.m. ....	29-729 1 a.m. ... 1
29-754	29-721	29-714	29-688	29-653	29-638	29-617	29-589	29-572	29-765	29-858	5 a.m. ....	29-572 Midnight ... 2
29-148	29-123	29-127	29-124	29-111	29-108	29-086	29-064	29-053	29-244	29-572	0 a.m. ....	29-053 Midnight ... 3
29-192	29-193	29-205	29-198	29-180	29-153	29-102	29-039	28-983	29-105	29-205	6 p.m. ....	28-983 Midnight ... 4
28-684	28-770	28-827	28-902	28-982	29-042	29-084	29-125	29-135	28-842	29-135	Midnight ...	28-684 4 p.m. ... 5
29-112	29-096	29-096	29-096	29-102	29-097	29-092	29-087	29-087	29-150	29-218	6-8 a.m. ....	29-087 11 p.m.-mid't. 6
29-210	29-217	29-217	29-210	29-214	29-219	29-214	29-214	29-225	29-176	29-225	Midnight ...	29-087 0 a.m. ... 7
29-240	29-223	29-224	29-224	29-221	29-223	29-217	29-196	29-174	29-226	29-255	8 a.m. ....	29-174 Midnight ... 8
28-780	28-769	28-758	28-753	28-748	28-751	28-771	28-791	28-806	28-883	29-174	0 a.m. ....	28-748 8 p.m. ... 9
29-373	29-403	29-409	29-421	29-433	29-448	29-448	29-448	29-445	29-234	29-448	9-11 p.m. ....	28-806 0 a.m. ... 10
29-209	29-303	29-312	29-303	29-300	29-307	29-308	29-290	29-280	29-336	29-445	0 a.m. ....	29-280 Midnight ... 11
29-265	29-260	29-233	29-285	29-293	29-313	29-323	29-323	29-264	29-323	11 p.m.-mid't.	29-233 9 a.m. ...	12
29-547	29-555	29-531	29-602	29-625	29-637	29-659	29-666	29-672	29-486	29-672	Midnight ...	29-323 0 a.m. ... 13
29-570	29-583	29-594	29-644	29-633	29-634	29-634	29-635	29-662	29-602	29-672	0 a.m. ....	29-528 11 a.m. ... 14
29-493	29-478	29-468	29-458	29-453	29-408	29-359	29-262	29-239	29-542	29-670	7 a.m. ....	29-239 Midnight ... 15
29-109	29-117	29-125	29-142	29-148	29-155	29-155	29-155	29-128	29-239	0 a.m. ....	29-055 4 a.m. ... 16	
29-039	29-040	29-043	29-046	29-052	29-059	29-056	29-046	29-068	29-092	29-155	1 a.m. ....	29-039 4 p.m. ... 17
29-316	29-356	29-372	29-402	29-417	29-435	29-458	29-458	29-484	29-259	29-484	Midnight ...	29-068 0 a.m. ... 18
28-904	28-833	28-843	28-883	28-963	29-023	29-083	29-163	29-203	29-229	29-512	3-5 a.m. ....	28-833 5 p.m. ... 19
29-269	29-269	29-269	29-269	29-279	29-290	29-305	29-315	29-320	29-326	29-395	11 a.m. ....	29-203 0 a.m. ... 20
29-746	29-762	29-767	29-767	29-783	29-799	29-803	29-803	29-804	29-625	29-804	Midnight ...	29-320 0 a.m. ... 21
29-626	29-621	29-611	29-591	29-574	29-556	29-529	29-508	29-487	29-653	29-804	0 a.m. ....	29-487 Midnight ... 22
29-039	29-027	29-008	29-006	29-003	29-005	29-009	29-028	29-035	29-143	29-487	0 a.m. ....	29-005 8-9 p.m. ... 23
29-359	29-371	29-422	29-442	29-488	29-504	29-518	29-518	29-526	29-268	29-526	Midnight ...	29-020 2 a.m. ... 24
29-423	29-435	29-463	29-480	29-497	29-503	29-534	29-536	29-547	29-488	29-549	2-4 a.m. ....	29-398 1-2 p.m. ... 25
29-733	29-773	29-794	29-813	29-837	29-866	29-882	29-893	29-910	29-687	29-910	Midnight ...	29-547 0 a.m. ... 26
30-105	30-107	30-099	30-038	30-091	30-087	30-093	30-073	30-063	30-050	30-107	5 p.m. ....	29-910 0 a.m. ... 27
29-916	29-893	29-837	29-864	29-856	29-850	29-839	29-825	29-792	29-919	30-063	0 a.m. ....	29-792 Midnight ... 28
29-423	29-468	29-459	29-419	29-442	29-475	29-501	29-511	29-537	29-559	29-792	0 a.m. ....	29-408 5 p.m. ... 29
29-758	29-767	29-771	29-773	29-730	29-798	29-803	29-795	29-787	29-696	29-803	10 p.m. ....	29-537 0 a.m. ... 30
29-841	29-873	29-915	29-927	29-969	30-001	30-013	30-020	30-015	29-830	30-020	11 p.m. ....	29-718 7 a.m. ... 31
29-392	29-393	29-402	29-408	29-419	29-426	29-430	29-426	29-426	29-408	...	.....	..... Mean.

Absolute Minimum = 28-684 on 5th at 4 p.m.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN. INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	30.013	29.984	29.973	29.968	29.957	29.952	29.947	29.943	29.928	29.916	29.904	29.891	29.878	29.864	29.856
2	29.773	29.773	29.778	29.778	29.774	29.772	29.766	29.755	29.814	29.821	29.836	29.866	29.881	29.889	29.897
3	29.997	29.998	30.004	30.024	30.019	30.030	30.034	30.045	30.060	30.072	30.075	30.080	30.090	30.102	30.114
4	30.170	30.177	30.177	30.177	30.173	30.168	30.158	30.156	30.154	30.139	30.111	30.110	30.102	30.091	30.076
5	29.885	29.886	29.844	29.830	29.797	29.788	29.767	29.727	29.693	29.676	29.630	29.584	29.534	29.498	29.461
6	29.150	29.148	29.146	29.150	29.154	29.163	29.170	29.172	29.164	29.160	29.156	29.152	29.142	29.138	29.133
7	29.284	29.307	29.320	29.354	29.368	29.388	29.404	29.415	29.412	29.406	29.405	29.403	29.404	29.416	29.419
8	29.449	29.451	29.467	29.478	29.485	29.498	29.508	29.510	29.516	29.508	29.518	29.523	29.528	29.535	29.543
9	29.583	29.583	29.585	29.583	29.588	29.593	29.598	29.608	29.608	29.608	29.613	29.615	29.613	29.618	29.618
10	29.510	29.468	29.439	29.412	29.390	29.359	29.358	29.331	29.319	29.292	29.281	29.264	29.238	29.229	29.228
11	29.183	29.166	29.138	29.089	29.053	29.050	29.045	29.088	29.118	29.141	29.165	29.170	29.177	29.296	29.198
12	29.142	29.144	29.146	29.167	29.183	29.215	29.229	29.237	29.239	29.257	29.279	29.302	29.312	29.329	29.354
13	29.417	29.398	29.385	29.371	29.363	29.331	29.303	29.260	29.237	29.187	29.161	29.145	29.125	29.112	29.107
14	29.325	29.365	29.404	29.461	29.495	29.541	29.570	29.600	29.606	29.613	29.647	29.654	29.653	29.648	
15	29.185	29.127	29.074	29.057	29.041	29.103	29.139	29.200	29.224	29.267	29.311	29.320	29.347	29.369	29.407
16	29.620	29.644	29.661	29.667	29.691	29.715	29.727	29.744	29.742	29.742	29.754	29.765	29.778	29.787	29.803
17	29.658	29.598	29.540	29.502	29.456	29.374	29.307	29.212	29.128	29.114	28.930	28.890	28.839	28.808	28.770
18	28.831	28.885	28.943	28.981	29.023	29.070	29.097	29.119	29.131	29.147	29.177	29.228	29.207	29.217	29.229
19	29.321	29.321	29.321	29.311	29.318	29.326	29.333	29.335	29.336	29.336	29.337	29.347	29.354	29.357	29.355
20	29.337	29.306	29.258	29.242	29.191	29.164	29.135	29.102	29.073	29.019	28.975	28.940	28.925	28.919	28.903
21	29.061	29.089	29.116	29.127	29.148	29.168	29.186	29.196	29.202	29.214	29.214	29.214	29.204	29.167	29.142
22	29.057	29.048	29.037	29.027	29.023	29.018	29.017	29.011	28.986	28.967	28.933	28.913	28.887	28.865	28.843
23	28.894	28.908	28.918	28.928	28.939	28.946	28.944	28.950	28.960	28.953	28.955	28.954	28.953	28.946	28.944
24	28.733	28.752	28.789	28.822	28.862	28.902	28.916	28.937	28.946	28.951	28.960	28.970	28.982	28.991	29.007
25	29.003	29.020	29.039	29.057	29.075	29.097	29.129	29.141	29.169	29.179	29.220	29.233	29.264	29.280	29.307
26	29.258	29.225	29.207	29.159	29.130	29.082	29.050	29.020	28.966	28.911	28.907	28.898	28.888	28.878	28.888
27	29.179	29.202	29.211	29.229	29.245	29.257	29.262	29.256	29.229	29.164	29.095	29.062	29.087	29.117	29.139
28	29.203	29.209	29.231	29.251	29.276	29.306	29.341	29.364	29.377	29.395	29.393	29.390	29.386	29.382	29.380
29	29.358	29.350	29.327	29.316	29.297	29.284	29.271	29.265	29.253	29.269	29.299	29.327	29.343	29.363	29.385
30	29.562	29.574	29.586	29.611	29.626	29.640	29.656	29.685	29.695	29.697	29.699	29.699	29.701	29.706	29.711
31	29.752	29.756	29.760	29.772	29.779	29.783	29.793	29.802	29.787	29.785	29.789	29.785	29.790	29.791	29.801
Mean:	29.384	29.383	29.381	29.384	29.384	29.390	29.392	29.394	29.389	29.384	29.378	29.378	29.375	29.378	29.376

Absolute Maximum = 30.182 on 3rd at midnight.

## METEOROLOGY—MACQUARIE ISLAND STATION.

65

—HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY:

JANUARY, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean.	Maximum	Minimum	Date.	
29.839	29.815	29.806	29.784	29.793	29.795	29.796	29.780	29.776	29.882	30.015	0 a.m. ...	29.776	Midnight ... 1
29.907	29.924	29.932	29.947	29.967	29.981	29.986	29.986	29.997	29.868	29.997	Midnight ...	29.766	7 a.m. ... 2
30.121	30.126	30.139	30.144	30.154	30.159	30.174	30.179	30.182	30.088	30.182	Midnight ...	29.997	0-1 a.m. ... 3
30.057	30.046	30.042	30.030	30.013	29.999	30.084	29.954	29.915	30.095	30.182	0 a.m. ...	29.915	Midnight ... 4
29.425	29.389	29.347	29.313	29.279	29.251	29.215	29.188	29.172	29.549	29.915	0 a.m. ...	29.172	Midnight ... 5
29.102	29.133	29.143	29.163	29.182	29.211	29.227	29.244	29.254	29.165	29.254	Midnight ...	29.102	4 p.m. ... 6
29.432	29.436	29.440	29.450	29.470	29.487	29.476	29.460	29.452	29.409	29.487	9 p.m. ...	29.254	0 a.m. ... 7
29.550	29.548	29.548	29.558	29.568	29.573	29.578	29.578	29.578	29.525	29.578	10 p.m.-mid't.	29.449	1 a.m. ... 8
29.618	29.618	29.618	29.611	29.606	29.582	29.570	29.556	29.539	29.597	29.618	2-6 p.m. ...	29.539	Midnight ... 9
29.228	29.226	29.228	29.233	29.236	29.236	29.231	29.212	29.190	29.297	29.539	0 a.m. ...	29.190	Midnight ... 10
29.198	29.197	29.190	29.179	29.175	29.166	29.154	29.143	29.136	29.151	29.296	2 p.m. ...	29.045	7 a.m. ... 11
29.374	29.384	29.397	29.409	29.430	29.438	29.440	29.441	29.443	29.304	29.443	Midnight ...	29.136	0 a.m. ... 12
29.116	29.127	29.146	29.156	29.180	29.200	29.220	29.237	29.278	29.232	29.443	0 a.m. ...	29.107	3 p.m. ... 13
29.625	29.612	29.614	29.548	29.512	29.469	29.396	29.339	29.245	29.525	29.654	Noon ...	29.245	Midnight ... 14
29.428	29.455	29.487	29.512	29.552	29.567	29.580	29.588	29.596	29.331	29.596	Midnight ...	29.041	5 a.m. ... 15
29.800	29.796	29.779	29.759	29.750	29.750	29.738	29.706	29.688	29.734	29.803	3 p.m. ...	29.596	0 a.m. ... 16
28.715	28.666	28.646	28.588	28.578	28.605	28.651	28.702	28.767	29.002	29.688	0 a.m. ...	28.578	8 p.m. ... 17
29.257	29.272	29.282	29.289	29.312	29.319	29.325	29.320	29.320	29.166	29.325	10 p.m. ...	28.767	0 a.m. ... 18
29.355	29.360	29.366	29.361	29.361	29.361	29.363	29.365	29.344	29.365	29.365	Midnight ...	29.311	4 a.m. ... 19
28.891	28.876	28.867	28.883	28.927	28.955	29.006	29.028	29.045	29.039	29.365	0 a.m. ...	28.867	6 p.m. ... 20
29.122	29.119	29.110	29.103	29.109	29.103	29.091	29.077	29.070	29.140	29.214	10 a.m.-noon	29.045	0 a.m. ... 21
28.823	28.802	28.787	28.830	28.840	28.853	28.864	28.877	28.890	28.925	29.070	0 a.m. ...	28.787	6 p.m. ... 22
28.944	28.942	28.938	28.932	28.922	28.897	28.858	28.811	28.768	28.921	28.960	9 a.m. ...	28.768	Midnight ... 23
29.007	29.008	29.012	29.011	29.000	29.000	29.001	29.011	29.007	28.941	29.012	6 p.m. ...	28.733	1 a.m. ... 24
29.326	29.325	29.339	29.359	29.355	29.349	29.323	29.310	29.290	29.216	29.359	7 p.m. ...	29.007	0 a.m. ... 25
28.908	28.929	28.948	28.968	29.008	29.038	29.084	29.119	29.161	29.026	29.290	0 a.m. ...	28.878	2 p.m. ... 26
29.156	29.162	29.185	29.186	29.187	29.197	29.197	29.200	29.204	29.184	29.262	7 a.m. ...	29.062	Noon. ... 27
29.372	29.368	29.370	29.382	29.385	29.391	29.377	29.371	29.366	29.344	39.395	10 a.m. ...	29.203	1 a.m. ... 28
29.400	29.410	29.425	29.450	29.486	29.518	29.535	29.543	29.558	29.376	29.558	Midnight ...	29.253	9 a.m. ... 29
29.720	29.726	29.741	29.735	29.743	29.745	29.749	29.743	29.745	29.687	29.749	10 p.m. ...	29.558	0 a.m. ... 30
29.801	29.799	29.796	29.794	29.811	29.819	29.819	29.820	29.814	29.792	29.820	11 p.m. ...	29.745	0 a.m. ... 31
29.375	29.374	29.376	29.375	29.384	29.388	29.391	29.383	29.381	29.382	...	.....	....	Méan.

Absolute Minimum = 28.578 on 17th at 8 p.m.

Table I.—ATMOSPHERIC PRESSURE  
BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.794	29.779	29.763	29.753	29.733	29.726	29.718	29.709	29.696	29.693	29.692	29.698	29.700	29.702	
2	29.778	29.783	29.780	29.770	29.778	29.790	29.789	29.787	29.779	29.785	29.780	29.788	29.783	29.776	29.767
3	29.347	29.245	29.168	29.087	28.975	28.906	28.842	28.758	28.714	28.695	28.668	28.684	28.686	28.726	28.771
4	29.176	29.205	29.232	29.277	29.301	29.333	29.378	29.401	29.414	29.433	29.442	29.445	29.440	29.432	29.415
5	29.454	29.459	29.473	29.485	29.492	29.506	29.523	29.533	29.543	29.528	29.522	29.517	29.509	29.496	29.497
6	29.257	29.219	29.207	29.179	29.147	29.130	29.130	29.132	29.093	29.002	29.093	29.003	29.087	29.085	29.081
7	29.152	29.150	29.148	29.142	29.142	29.143	29.144	29.151	29.145	29.143	29.145	29.165	29.191	29.214	29.226
8	29.326	29.325	29.326	29.328	29.330	29.335	29.351	29.354	29.363	29.383	29.390	29.398	29.417	29.423	29.431
9	29.457	29.456	29.456	29.450	29.443	29.436	29.434	29.432	29.427	29.425	29.436	29.429	29.444	29.453	29.464
10	29.350	29.339	29.299	29.275	29.251	29.227	29.211	29.189	29.166	29.134	29.147	29.150	29.155	29.155	29.151
11	28.942	28.944	28.945	28.941	28.927	28.924	28.921	28.951	28.988	29.027	29.067	29.107	29.133	29.180	29.236
12	29.324	29.304	29.292	29.258	29.205	29.198	29.170	29.147	29.118	29.111	29.089	29.082	29.060	29.031	29.015
13	29.188	29.223	29.238	29.263	29.297	29.322	29.346	29.368	29.368	29.363	29.366	29.326	29.281	29.256	29.211
14	28.619	28.671	28.726	28.816	28.906	29.006	29.006	29.156	29.205	29.247	29.292	29.322	29.359	29.386	29.423
15	29.645	29.668	29.690	29.697	29.704	29.730	29.755	29.765	29.769	29.771	29.774	29.779	29.782	29.787	29.788
16	29.517	29.446	29.374	29.293	29.254	29.228	29.210	29.187	29.165	29.105	29.085	29.055	29.000	28.962	28.891
17	28.791	28.803	28.815	28.827	28.829	28.820	28.827	28.813	28.793	28.772	28.771	28.787	28.798	28.812	28.831
18	29.166	29.223	29.255	29.290	29.339	29.388	29.436	29.481	29.508	29.550	29.577	29.604	29.632	29.655	29.699
19	29.871	29.871	29.868	29.849	29.809	29.777	29.775	29.778	29.767	29.769	29.771	29.771	29.776	29.780	29.785
20	29.709	29.682	29.664	29.636	29.622	29.608	29.599	29.597	29.607	29.633	29.657	29.679	29.718	29.726	29.747
21	29.956	29.971	29.990	30.001	30.018	30.024	30.036	30.047	30.048	30.059	30.071	30.065	30.067	30.069	30.073
22	30.054	30.048	30.036	30.027	30.016	30.015	30.014	30.012	29.993	29.973	29.968	29.952	29.940	29.919	29.908
23	29.782	29.773	29.768	29.761	29.757	29.759	29.759	29.758	29.755	29.750	29.765	29.758	29.756	29.753	29.752
24	29.728	29.728	29.725	29.720	29.716	29.736	29.744	29.758	29.754	29.748	29.743	29.727	29.720	29.715	29.701
25	29.668	29.669	29.666	29.666	29.666	29.668	29.672	29.680	29.680	29.676	29.666	29.653	29.649	29.640	29.629
26	29.550	29.543	29.526	29.502	29.490	29.492	29.494	29.498	29.493	29.497	29.491	29.485	29.493	29.476	29.477
27	29.551	29.558	29.579	29.587	29.590	29.595	29.598	29.600	29.614	29.611	29.598	29.586	29.578	29.573	29.560
28	29.581	29.588	29.608	29.614	29.622	29.643	29.658	29.680	29.695	29.704	29.710	29.720	29.738	29.752	29.760
Mean.	29.455	29.453	29.451	29.446	29.441	29.446	29.451	29.455	29.452	29.453	29.456	29.458	29.460	29.462	29.464

Absolute Maximum = 30.076 on 21st from 9 to 10 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

67

## —HOURLY VALUES—continued.

REDUCED TO 32 FAHR. M.S.L. AND STANDARD GRAVITY.

FEBRUARY, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum:	Minimum:	Date:
29-729	29-736	29-744	29-752	29-757	29-763	29-764	29-768	29-772	29-735	29-814	0 a.m. ...	29-692 11 a.m. ... 1
29-751	29-720	29-710	29-664	29-508	29-541	29-520	29-494	29-409	29-713	29-790	6 a.m. ...	29-409 Midnight ... 2
28-799	28-827	28-859	28-916	28-968	29-020	29-054	29-098	29-132	28-914	29-409	0 a.m. ...	28-668 11 a.m. ... 3
29-303	29-366	29-349	29-363	29-373	29-389	29-402	29-418	29-434	29-367	29-445	Noon ...	29-132 0 a.m. ... 4
29-487	29-473	29-464	29-446	29-428	29-397	29-367	29-340	29-308	29-469	29-543	9 a.m. ...	29-308 Midnight ... 5
29-098	29-105	29-116	29-125	29-137	29-144	29-146	29-150	29-151	29-134	29-308	0 a.m. ...	29-081 3 p.m. ... 6
29-235	29-252	29-267	29-279	29-296	29-317	29-325	29-326	29-329	29-209	29-329	Midnight ...	29-142 4-5 a.m. ... 7
29-427	29-425	29-425	29-451	29-459	29-467	29-460	29-462	29-457	29-396	29-467	9 p.m. ...	29-325 2 a.m. ... 8
29-472	29-443	29-440	29-429	29-432	29-424	29-410	29-401	29-373	29-436	29-472	4 p.m. ...	29-373 Midnight ... 9
29-155	29-141	29-116	29-086	29-050	29-015	28-947	28-941	28-940	29-150	29-373	0 a.m. ...	28-940 Midnight ... 10
29-279	29-311	29-332	29-347	29-360	29-370	29-360	29-350	29-335	29-137	29-370	9 p.m. ...	28-921 7 a.m. ... 11
29-019	29-020	29-030	29-044	29-076	29-089	29-104	29-124	29-154	29-128	29-335	0 a.m. ...	29-015 3 p.m. ... 12
29-244	29-117	29-027	28-958	28-890	28-792	28-707	28-655	28-626	29-143	29-368	8-9 a.m. ...	28-626 Midnight ... 13
29-446	29-474	29-482	29-527	29-557	29-570	29-606	29-625	29-629	29-256	29-629	Midnight ...	28-619 1 a.m. ... 14
29-778	29-767	29-740	29-728	29-709	29-694	29-653	29-627	29-577	29-724	29-788	3 p.m. ...	29-577 Midnight ... 15
28-866	28-846	28-804	28-802	28-805	28-762	28-752	28-758	28-772	29-039	29-577	0 a.m. ...	28-752 10 p.m. ... 16
28-845	28-837	28-925	28-959	29-015	29-064	29-082	29-095	29-148	28-878	29-148	Midnight ...	28-771 11 a.m. ... 17
29-726	29-746	29-761	28-806	29-840	29-856	29-873	29-876	29-875	29-500	29-876	11 p.m. ...	29-148 0 a.m. ... 18
29-790	29-784	29-784	29-797	29-798	29-701	29-774	29-766	29-746	29-794	29-875	0 a.m. ...	29-746 Midnight ... 19
29-778	29-802	29-808	29-834	29-861	29-885	29-913	29-921	29-944	29-735	29-944	Midnight ...	29-597 8 a.m. ... 20
30-074	30-073	30-069	30-069	30-070	30-076	30-076	30-073	30-062	30-047	30-076	9-10 p.m. ...	29-944 0 a.m. ... 21
29-802	29-874	29-862	29-855	29-858	29-850	29-839	29-830	29-801	29-939	30-062	0 a.m. ...	29-801 Midnight ... 22
29-747	29-746	29-745	29-746	29-747	29-736	29-734	29-730	29-728	29-753	29-801	0 a.m. ...	29-728 Midnight ... 23
29-688	29-679	29-670	29-673	29-676	29-679	29-673	29-668	29-665	29-710	29-758	8 a.m. ...	29-655 Midnight ... 24
29-648	29-617	29-610	29-603	29-625	29-622	29-607	29-594	29-582	29-644	29-680	8-9 a.m. ...	29-582 Midnight ... 25
29-487	29-506	29-515	29-519	29-533	29-540	29-542	29-548	29-546	29-510	29-582	1 a.m. ...	29-476 2 p.m. ... 26
29-550	29-541	29-530	29-524	29-526	29-543	29-560	29-569	29-581	29-571	29-614	9 a.m. ...	29-524 7 p.m. ... 27
29-773	29-779	29-784	29-809	29-834	29-840	29-850	29-856	29-870	29-728	29-870	Midnight ...	29-581 0-1 a.m. ... 28
29-471	29-465	29-463	29-468	29-474	29-474	29-468	29-467	29-462	29-459	...	.....	..... Mean.

Absolute Minimum = 28-619 on 14th at 1 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES), CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.872	29.874	29.877	29.879	29.885	29.887	29.886	29.888	29.887	29.877	29.870	29.865	29.849	29.834	29.817
2	29.593	29.562	29.533	29.488	29.449	29.410	29.388	29.369	29.340	29.314	29.283	29.267	29.237	29.196	29.177
3	29.165	29.166	29.172	29.172	29.179	29.201	29.224	29.242	29.257	29.273	29.286	29.300	29.307	29.314	29.336
4	29.481	29.485	29.487	29.488	29.486	29.486	29.480	29.463	29.451	29.441	29.424	29.402	29.379	29.349	29.322
5	29.256	29.257	29.261	29.263	29.271	29.273	29.279	29.280	29.279	29.282	29.277	29.278	29.271	29.273	29.280
6	29.420	29.438	29.450	29.453	29.459	29.465	29.474	29.478	29.479	29.476	29.470	29.469	29.459	29.443	29.433
7	29.304	29.292	29.275	29.265	29.267	29.267	29.270	29.272	29.260	29.251	29.225	29.188	29.141	29.193	29.067
8	28.520	28.408	28.456	28.478	28.528	28.623	28.698	28.788	28.857	28.927	28.972	29.000	29.019	29.017	29.020
9	28.665	28.641	28.607	28.582	28.568	28.642	28.672	28.700	28.737	28.759	28.776	28.795	28.807	28.829	28.906
10	29.327	29.336	29.336	29.324	29.303	29.270	29.246	29.212	29.163	29.141	29.102	29.065	29.088	29.106	29.093
11	29.156	29.219	29.260	29.317	29.369	29.426	29.458	29.492	29.514	29.534	29.545	29.563	29.554	29.538	29.535
12	29.565	29.534	29.503	29.475	29.452	29.409	29.396	29.378	29.365	29.349	29.328	29.329	29.337	29.346	29.364
13	29.456	29.470	29.472	29.479	29.493	29.506	29.509	29.508	29.505	29.507	29.496	29.503	29.505	29.493	29.495
14	29.558	29.568	29.588	29.595	29.598	29.611	29.616	29.618	29.623	29.626	29.629	29.632	29.642	29.646	29.651
15	29.679	29.688	29.689	29.689	29.690	29.691	29.702	29.713	29.724	29.726	29.728	29.728	29.734	29.731	29.734
16	29.772	29.765	29.755	29.744	29.735	29.732	29.721	29.705	29.688	29.653	29.633	29.603	29.579	29.540	29.519
17	29.828	29.849	29.865	29.874	29.884	29.901	29.912	29.925	29.928	29.926	29.924	29.921	29.915	29.896	29.882
18	29.716	29.716	29.718	29.718	29.716	29.717	29.722	29.725	29.742	29.730	29.729	29.726	29.725	29.733	
19	29.648	29.626	29.606	29.572	29.566	29.546	29.538	29.533	29.532	29.533	29.528	29.517	29.487	29.452	29.433
20	29.184	29.153	29.156	29.135	29.137	29.119	29.123	29.144	29.157	29.156	29.141	29.114	29.107	29.095	29.099
21	29.724	29.758	29.782	29.829	29.852	29.896	29.920	29.952	29.974	29.987	29.988	30.005	30.018	30.013	30.011
22	29.888	29.903	29.922	29.936	29.948	29.970	29.993	29.996	30.001	-30.008	30.016	30.018	30.024	30.004	29.999
23	30.061	30.076	30.088	30.103	30.117	30.137	30.161	30.173	30.183	30.186	30.204	30.211	30.216	30.213	
24	30.229	30.229	30.223	30.214	30.212	30.211	30.210	30.206	30.212	30.211	30.197	30.183	30.170	30.148	30.121
25	29.872	29.851	29.829	29.818	29.794	29.790	29.795	29.813	29.841	29.882	29.892	29.916	29.921	29.923	29.927
26	29.647	29.570	29.496	29.444	29.420	29.388	29.365	29.342	29.329	29.307	29.298	29.346	29.397	29.462	29.518
27	29.780	29.789	29.792	29.788	29.781	29.767	29.754	29.737	29.710	29.678	29.656	29.604	29.549	29.454	29.385
28	29.107	29.113	29.115	29.098	29.094	29.083	29.069	29.057	29.040	29.039	29.013	28.997	28.979	28.951	28.944
29	28.948	28.934	28.922	28.914	28.901	28.871	28.844	28.877	28.714	28.709	28.702	28.710	28.727	28.754	28.776
30	28.952	28.945	28.945	28.966	28.964	28.971	28.991	29.001	29.004	29.020	29.027	29.035	29.033	29.032	29.029
31	28.952	28.977	28.978	28.984	28.987	28.999	28.994	28.999	28.986	28.990	28.959	28.959	28.969	28.978	28.993
Mean.	29.462	29.458	29.457	29.454	29.455	29.460	29.465	29.468	29.467	29.468	29.462	29.460	29.456	29.450	29.446

Absolute Maximum = 30.229 on 24th at 1 to 2 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

69

—HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

MARCH, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.		Minimum.		
29-791	29-754	29-739	29-730	29-722	29-712	29-672	29-652	29-624	29-810	29-888	8 a.m.	29-624	Midnight	1
29-165	29-160	29-157	29-152	29-158	29-169	29-157	29-164	29-165	29-294	29-624	0 a.m.	29-152	7 p.m.	2
29-345	29-366	29-385	29-409	29-433	29-446	29-464	29-467	29-471	29-308	29-471	Midnight	29-165	0-1 a.m.	3
29-307	29-291	29-254	29-240	29-238	29-237	29-237	29-250	29-256	29-372	29-488	4 a.m.	29-237	9-10 p.m.	4
29-290	29-294	29-307	29-330	29-357	29-375	29-397	29-398	29-414	29-302	29-414	Midnight	29-256	0-1 a.m.	5
29-420	29-407	29-394	29-385	29-375	29-363	29-340	29-326	29-316	29-425	29-479	9 a.m.	29-316	Midnight	6
29-023	28-987	28-971	28-906	28-841	28-797	28-737	28-659	28-609	29-086	29-316	0 a.m.	28-600	Midnight	7
29-006	28-987	28-958	28-938	28-897	28-862	28-790	28-755	28-704	28-800	29-020	3 p.m.	28-408	2 a.m.	8
28-993	29-036	29-111	29-149	29-200	29-236	29-262	29-300	29-311	28-893	29-311	Midnight	28-568	5 a.m.	9
29-090	29-093	29-096	29-072	29-093	29-099	29-102	29-115	29-127	29-167	29-336	2-3 a.m.	29-065	Noon	10
29-562	29-579	29-594	29-598	29-600	29-613	29-605	29-591	29-578	29-492	29-613	9 p.m.	29-127	0 a.m.	11
29-393	29-404	29-421	29-449	29-463	29-462	29-458	29-454	29-454	29-420	29-578	0 a.m.	29-328	11 a.m.	12
29-488	29-490	29-493	29-508	29-513	29-528	29-541	29-549	29-548	29-502	29-549	11 p.m.	29-454	0 a.m.	13
29-650	29-652	29-662	29-669	29-671	29-672	29-673	29-675	29-676	29-635	29-676	Midnight	29-548	0 a.m.	14
29-743	29-754	29-771	29-784	29-798	29-795	29-788	29-786	29-774	29-785	29-798	8 p.m.	29-676	0 a.m.	15
29-543	29-597	29-627	29-664	29-705	29-735	29-760	29-785	29-816	29-682	29-816	Midnight	29-519	3 p.m.	16
29-872	29-862	29-838	29-813	29-808	29-787	29-758	29-732	29-720	29-859	29-928	9 a.m.	29-720	Midnight	17
29-736	29-729	29-714	29-714	29-708	29-701	29-695	29-670	29-653	29-715	29-742	10 a.m.	29-653	Midnight	18
29-410	29-397	29-331	29-335	29-311	29-271	29-231	29-215	29-185	29-450	29-653	0 a.m.	29-185	Midnight	19
29-171	29-247	29-355	29-410	29-476	29-533	29-586	29-629	29-676	29-254	29-676	Midnight	29-095	2 p.m.	20
29-996	29-980	29-972	29-972	29-955	29-940	29-928	29-907	29-892	29-927	30-018	1 p.m.	29-676	0 a.m.	21
29-998	29-989	29-984	29-991	30-001	30-023	30-024	30-029	30-047	29-988	30-047	Midnight	29-888	1 a.m.	22
30-210	30-214	30-215	30-219	30-219	30-223	30-221	30-222	30-228	30-180	30-228	Midnight	30-047	0 a.m.	23
30-102	30-083	30-070	30-044	30-013	30-001	29-959	29-930	29-895	30-128	30-229	1-2 a.m.	29-895	Midnight	24
29-930	29-929	29-914	29-910	29-904	29-881	29-821	29-764	29-707	29-859	29-930	4 p.m.	29-707	Midnight	25
29-562	29-586	29-646	29-674	29-710	29-736	29-758	29-770	29-776	29-523	29-776	Midnight	29-208	11 a.m.	26
29-300	29-215	29-155	29-099	29-066	29-062	29-073	29-086	29-099	29-474	29-792	3 a.m.	29-062	9 p.m.	27
28-937	28-924	28-922	28-930	28-928	28-941	28-950	28-949	28-949	29-005	29-115	3 a.m.	28-922	6 p.m.	28
28-799	28-811	28-822	28-840	28-882	28-895	28-912	28-930	28-921	28-834	28-949	0 a.m.	28-702	11 a.m.	29
29-020	29-021	29-012	29-006	28-995	28-979	28-947	28-932	28-945	28-991	29-035	Noon	28-921	0 a.m.	30
28-999	29-007	29-008	29-012	29-027	29-029	29-032	29-022	29-027	28-994	29-032	10 p.m.	28-952	1 a.m.	31
29-447	29-447	29-448	29-450	29-454	29-455	29-448	29-443	29-437	29-455	...	.....	...	.....	Mean.

Absolute Minimum = 28-408 on 8th at 2 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.015	28.995	28.975	28.939	28.920	28.898	28.878	28.847	28.816	28.799	28.751	28.737	28.718	28.695	28.684
2	28.821	28.863	28.877	28.905	28.943	28.974	29.014	29.052	29.094	29.113	29.140	29.179	29.210	29.247	29.298
3	29.574	29.580	29.564	29.547	29.525	29.501	29.471	29.439	29.414	29.411	29.420	29.431	29.439	29.447	29.461
4	29.505	29.483	29.458	29.428	29.405	29.379	29.352	29.333	29.320	29.329	29.349	29.377	29.397	29.417	29.445
5	29.547	29.543	29.522	29.489	29.457	29.435	29.403	29.380	29.338	29.303	29.278	29.282	29.288	29.303	29.318
6	29.464	29.465	29.469	29.457	29.460	29.462	29.463	29.473	29.466	29.472	29.493	29.515	29.540	29.565	29.590
7	29.679	29.701	29.710	29.721	29.750	29.791	29.808	29.842	29.850	29.857	29.851	29.864	29.861	29.881	29.886
8	29.990	29.993	29.993	29.998	30.001	30.010	30.019	30.036	30.041	30.052	30.055	30.066	30.068	30.070	30.077
9	30.114	30.102	30.091	30.094	30.098	30.104	30.104	30.014	30.123	30.136	30.144	30.145	30.145	30.144	30.141
10	30.132	30.156	30.187	30.218	30.229	30.256	30.276	30.302	30.322	30.319	30.332	30.339	30.347	30.344	30.341
11	30.254	30.246	30.231	30.205	30.183	30.156	30.143	30.116	30.093	30.070	30.038	30.018	29.995	29.973	29.950
12	29.843	29.814	29.796	29.752	29.728	29.703	29.676	29.643	29.597	29.570	29.538	29.499	29.472	29.431	29.408
13	29.229	29.209	29.187	29.168	29.134	29.113	29.096	29.077	29.041	29.037	29.040	29.049	29.085	29.115	29.154
14	29.241	29.240	29.246	29.246	29.245	29.250	29.251	29.268	29.264	29.278	29.284	29.277	29.263	29.243	29.218
15	29.243	29.270	29.292	29.316	29.360	29.386	29.411	29.438	29.469	29.513	29.533	29.550	29.567	29.600	29.635
16	29.803	29.800	29.786	29.774	29.757	29.730	29.708	29.668	29.637	29.596	29.587	29.547	29.507	29.481	29.452
17	29.382	29.379	29.375	29.373	29.366	29.371	29.375	29.392	29.411	29.443	29.456	29.502	29.515	29.531	29.559
18	29.447	29.412	29.373	29.322	29.310	29.335	29.363	29.382	29.393	29.419	29.438	29.449	29.452	29.439	29.440
19	29.335	29.304	29.264	29.211	29.167	29.112	29.072	29.030	28.975	28.944	28.932	28.920	28.909	28.901	28.893
20	28.793	28.821	28.861	28.885	28.904	28.920	28.937	28.977	29.009	29.056	29.086	29.113	29.109	29.108	29.094
21	29.190	29.199	29.202	29.214	29.253	29.277	29.311	29.361	29.402	29.455	29.504	29.551	29.591	29.637	29.688
22	30.024	30.046	30.056	30.076	30.081	30.083	30.087	30.082	30.068	30.049	30.029	30.020	29.997	29.990	29.985
23	29.792	29.755	29.712	29.670	29.628	29.586	29.549	29.522	29.477	29.450	29.422	29.406	29.404	29.390	29.393
24	29.570	29.592	29.614	29.640	29.661	29.685	29.711	29.734	29.743	29.756	29.772	29.778	29.792	29.795	29.801
25	29.830	29.834	29.835	29.832	29.823	29.809	29.797	29.790	29.776	29.766	29.761	29.752	29.732	29.714	29.694
26	29.652	29.656	29.646	29.644	29.643	29.655	29.643	29.634	29.597	29.575	29.556	29.530	29.504	29.470	29.448
27	29.417	29.422	29.432	29.434	29.432	29.421	29.415	29.409	29.390	29.376	29.370	29.352	29.337	29.334	29.329
28	29.324	29.332	29.333	29.339	29.346	29.363	29.378	29.384	29.399	29.402	29.413	29.412	29.400	29.396	29.395
29	29.255	29.222	29.226	29.234	29.251	29.264	29.271	29.281	29.262	29.251	29.247	29.214	29.197	29.170	29.153
30	29.056	29.074	29.073	29.087	29.112	29.147	29.175	29.207	29.217	29.244	29.276	29.292	29.318	29.362	29.380
Mean.	29.517	29.517	29.513	29.507	29.506	29.506	29.505	29.507	29.500	29.501	29.503	29.506	29.505	29.507	29.510

Absolute Maximum = 30.347 on 10th at 1 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

71

## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

APRIL, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean	Maximum	Minimum	Date
28-676	28-686	28-710	28-741	28-773	28-803	28-807	28-827	28-843	28-814	29-027	0 a.m. ...	28-676 4 p.m. ... 1
29-340	29-382	29-423	29-450	29-503	29-535	29-550	29-573	29-573	29-211	29-573	11 p.m.—midn't	28-821 1 a.m. ... 2
29-472	29-483	29-502	29-505	29-521	29-525	29-525	29-515	29-507	29-491	29-580	2 a.m. ...	29-411 10 a.m. ... 3
29-471	29-471	29-484	29-506	29-516	29-541	29-549	29-548	29-544	29-442	29-549	10 p.m. ...	29-320 9 a.m. ... 4
29-332	29-366	29-400	29-434	29-461	29-475	29-478	29-477	29-471	29-407	29-547	1 a.m. ...	29-278 11 a.m. ... 5
29-609	29-634	29-672	29-678	29-689	29-691	29-681	29-675	29-667	29-556	29-691	9 p.m. ...	29-457 4 a.m. ... 6
29-803	29-902	29-927	29-938	29-956	29-966	29-981	29-990	29-980	29-858	29-990	11 p.m. ...	29-667 0 a.m. ... 7
30-087	30-091	30-101	30-109	30-115	30-120	30-119	30-124	30-122	30-161	30-124	11 p.m. ...	29-989 0 a.m. ... 8
30-141	30-127	30-115	30-117	30-121	30-118	30-107	30-108	30-120	30-119	30-145	Noon-1 p.m.	30-091 3 a.m. ... 9
30-333	30-331	30-323	30-313	30-305	30-299	30-290	30-276	30-268	30-285	30-347	1 p.m. ...	30-120 0 a.m. ... 10
29-942	29-926	29-914	29-913	29-912	29-893	29-873	29-861	29-850	30-031	30-268	0 a.m. ...	29-850 Midnight ... 11
29-374	29-368	29-366	29-340	29-315	29-296	29-269	29-259	29-235	29-512	29-850	0 a.m. ...	29-235 Midnight ... 12
29-188	29-232	20-249	29-261	29-257	29-250	29-240	29-238	29-224	29-161	29-261	7 p.m. ...	29-037 10 a.m. ... 13
29-188	29-170	29-150	29-142	29-154	29-176	29-195	29-206	29-221	29-226	29-284	11 a.m. ...	29-142 7 p.m. ... 14
29-656	29-673	29-703	29-723	29-754	29-760	29-783	29-796	29-797	29-551	29-797	Midnight ...	29-221 0 a.m. ... 15
29-438	29-423	29-410	29-407	29-401	29-396	29-392	29-392	29-388	29-562	29-803	1 a.m. ...	29-388 Midnight ... 16
29-573	29-579	29-587	29-585	29-581	29-555	29-538	29-514	29-478	29-476	29-587	6 p.m. ...	29-366 5 a.m. ... 17
29-446	29-447	29-445	29-440	29-431	29-409	29-401	29-391	29-356	29-406	29-478	0 a.m. ...	29-310 5 a.m. ... 18
29-802	28-862	28-837	28-808	28-779	28-767	28-754	28-760	28-766	28-966	29-356	0 a.m. ...	28-754 10 p.m. ... 19
29-079	29-057	29-065	29-085	29-104	29-107	29-136	29-169	29-173	29-027	29-173	Midnight ...	28-766 0 a.m. ... 20
29-724	29-786	29-838	29-875	29-910	29-939	29-967	29-987	30-008	29-578	30-008	Midnight ...	29-173 0 a.m. ... 21
29-071	29-963	29-962	29-940	29-929	29-901	29-886	29-870	29-828	29-997	30-087	7 a.m. ...	29-828 Midnight ... 22
29-401	29-411	29-438	29-457	29-483	29-495	29-505	29-522	29-557	29-518	29-828	0 a.m. ...	29-390 2 p.m. ... 23
29-808	29-822	29-833	29-846	29-844	29-847	29-845	29-840	29-833	29-757	29-847	9 p.m. ...	29-557 0 a.m. ... 24
29-670	29-640	29-626	29-616	29-621	29-630	29-640	29-648	29-650	29-729	29-835	3 a.m. ...	29-616 7 p.m. ... 25
29-427	29-406	29-391	29-379	29-378	29-385	29-391	29-400	29-408	29-518	29-656	2 a.m. ...	29-378 8 p.m. ... 26
29-318	29-302	29-306	29-298	29-293	29-297	29-301	29-313	29-314	29-359	29-434	4 a.m. ...	29-293 8 p.m. ... 27
29-393	29-376	29-367	29-366	29-359	29-354	29-336	29-321	29-285	29-366	29-413	11 a.m. ...	29-285 Midnight ... 28
29-129	29-100	29-078	29-062	29-055	29-056	29-057	29-060	29-046	29-173	29-285	0 a.m. ...	29-046 Midnight ... 29
29-418	29-451	29-486	29-526	29-542	29-546	29-557	29-554	29-532	29-319	29-557	10 p.m. ...	29-046 0 a.m. ... 30
29-513	29-516	29-524	29-529	29-535	29-538	29-538	29-540	29-536	29-516	...	.....	..... Mean.

Absolute Minimum = 28-676 on 1st at 4 p.m.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.533	29.525	29.486	29.410	29.340	29.284	29.191	29.160	29.159	29.165	29.259	29.379	29.474	29.524	29.575
2	29.818	29.822	29.828	29.830	29.822	29.813	29.798	29.767	29.734	29.686	29.651	29.591	29.565	29.480	29.411
3	28.957	28.954	28.923	28.918	28.899	28.875	28.819	28.746	28.682	28.658	28.609	28.569	28.546	28.616	28.662
4	29.317	29.304	29.452	29.519	29.576	29.638	29.688	29.739	29.777	29.818	29.855	29.887	29.921	29.945	29.970
5	29.062	29.950	29.029	29.904	29.880	29.865	29.845	29.824	29.805	29.782	29.759	29.736	29.706	29.694	29.682
6	29.821	29.813	29.802	29.789	29.779	29.771	29.748	29.737	29.722	29.700	29.686	29.656	29.637	29.628	29.628
7	29.737	29.738	29.751	29.754	29.756	29.758	29.759	29.758	29.746	29.728	29.705	29.688	29.660	29.651	29.627
8	29.631	29.611	29.594	29.570	29.560	29.550	29.546	29.547	29.528	29.499	29.481	29.459	29.441	29.416	29.405
9	29.119	29.065	29.030	28.985	28.940	28.894	28.846	28.814	28.760	28.735	28.709	28.687	28.619	28.566	28.681
10	29.118	29.129	29.140	29.149	29.151	29.153	29.162	29.175	29.181	29.198	29.180	29.174	29.164	29.161	29.149
11	29.249	29.262	29.277	29.291	29.304	29.305	29.298	29.287	29.271	29.260	29.247	29.212	29.152	29.077	29.014
12	29.096	29.173	29.250	29.311	29.374	29.425	29.468	29.532	29.570	29.615	29.668	29.684	29.721	29.735	29.761
13	29.827	29.825	29.824	29.819	29.815	29.790	29.785	29.777	29.749	29.733	29.712	29.686	29.633	29.608	29.579
14	29.612	29.633	29.637	29.647	29.651	29.650	29.652	29.653	29.662	29.677	29.701	29.731	29.764	29.794	29.825
15	29.976	29.971	29.962	29.938	29.915	29.893	29.866	29.850	29.845	29.815	29.792	29.741	29.692	29.641	29.616
16	29.473	29.479	29.483	29.484	29.504	29.518	29.527	29.535	29.535	29.528	29.523	29.523	29.502	29.503	29.508
17	29.436	29.433	29.426	29.437	29.446	29.448	29.454	29.463	29.456	29.465	29.450	29.437	29.425	29.413	29.399
18	29.479	29.533	29.572	29.606	29.641	29.682	29.711	29.755	29.784	29.814	29.828	29.840	29.846	29.868	29.883
19	30.031	30.039	30.041	30.043	30.045	30.047	30.061	30.068	30.064	30.058	30.054	30.044	30.031	30.027	30.025
20	30.047	30.052	30.054	30.056	30.057	30.051	30.048	30.049	30.051	30.048	30.049	30.041	30.038	30.029	30.021
21	30.042	30.038	30.025	30.003	29.988	29.980	29.973	29.965	29.949	29.947	29.942	29.883	29.871	29.851	29.836
22	29.759	29.756	29.733	29.712	29.708	29.798	29.688	29.677	29.662	29.643	29.619	29.608	29.604	29.600	29.599
23	29.047	29.978	30.011	30.023	30.036	30.048	30.054	30.066	30.071	30.065	30.071	30.068	30.070	30.072	30.082
24	30.101	30.099	30.097	30.090	30.084	30.081	30.079	30.079	30.083	30.100	30.096	30.098	30.081	30.069	30.064
25	29.956	29.937	29.926	29.917	29.908	29.900	29.896	29.893	29.879	29.878	29.868	29.863	29.860	29.845	29.836
26	29.734	29.716	29.702	29.681	29.660	29.647	29.631	29.615	29.584	29.566	29.535	29.510	29.491	29.468	29.459
27	29.362	29.360	29.349	29.350	29.344	29.331	29.312	29.294	29.260	29.246	29.217	29.190	29.138	29.122	29.112
28	29.170	29.187	29.189	29.199	29.218	29.227	29.241	29.266	29.273	29.288	29.306	29.323	29.334	29.368	29.397
29	29.681	29.706	29.728	29.755	29.767	29.789	29.817	29.829	29.844	29.846	29.850	29.840	29.851	29.862	29.870
30	29.856	29.852	29.837	29.825	29.812	29.802	29.790	29.784	29.769	29.755	29.745	29.730	29.712	29.701	29.603
31	29.646	29.650	29.650	29.651	29.653	29.658	29.670	29.681	29.674	29.685	29.692	29.695	29.699	29.709	29.722
Mean.	29.629	29.635	29.636	29.634	29.633	29.634	29.627	29.625	29.617	29.613	29.609	29.599	29.589	29.582	29.584

Absolute Maximum = 30.133 on 23rd at 9 p.m.

## —HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

MAY, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.620	29.655	29.691	29.713	29.735	29.765	29.778	29.775	29.814	29.500	29.814	Midnight ...	29.159 9 a.m. ... 1
29.369	29.322	29.275	29.225	29.178	29.111	29.055	29.000	28.957	29.505	29.830	4 a.m. ...	28.957 Midnight ... 2
28.719	28.780	28.845	28.898	28.985	29.050	29.120	29.196	29.246	28.841	29.246	Midnight ...	28.546 1 p.m. ... 3
29.979	29.989	30.001	29.999	30.004	30.001	30.002	29.988	29.975	29.814	30.004	8 p.m. ...	29.246 0 a.m. ... 4
29.691	29.728	29.774	29.783	29.795	29.804	29.808	29.812	29.819	29.806	29.975	1 a.m. ...	29.682 3 p.m. ... 5
29.623	29.624	29.628	29.639	29.654	29.673	29.692	29.707	29.711	29.703	29.821	1 a.m. ...	29.623 4 p.m. ... 6
29.620	29.614	29.618	29.619	29.628	29.640	29.656	29.651	29.644	29.646	29.759	7 a.m. ...	29.614 5 p.m. ... 7
29.381	29.302	29.334	29.313	29.294	29.257	29.233	29.188	29.153	29.431	29.644	0 a.m. ...	28.153 Midnight ... 8
28.812	28.897	28.951	29.063	29.078	29.051	29.086	29.095	29.104	28.899	29.153	0 a.m. ...	28.553 2:30 p.m. ... 9
29.153	29.156	29.147	29.156	29.169	29.179	29.199	29.207	29.223	29.166	29.223	Midnight ...	29.104 0 a.m. ... 10
28.988	28.988	28.986	28.993	29.003	29.002	28.982	29.000	29.038	29.187	29.305	6 a.m. ...	28.982 10 p.m. ... 11
29.780	29.790	29.813	29.824	29.823	29.824	29.819	29.815	29.826	29.612	29.826	Midnight ...	29.038 0 a.m. ... 12
29.560	29.516	29.488	29.451	29.430	29.425	29.495	29.548	29.578	29.653	29.827	1 a.m. ...	29.425 9 p.m. ... 13
29.878	29.898	29.937	29.957	29.981	29.991	29.993	29.987	29.981	29.787	29.993	10 p.m. ...	29.578 0 a.m. ... 14
29.599	29.582	29.578	29.572	29.569	29.556	29.521	29.508	29.477	29.728	29.981	0 a.m. ...	29.477 Midnight ... 15
29.511	29.510	29.520	29.526	29.512	29.505	29.500	29.477	29.464	29.506	29.535	8-9 a.m. ...	29.464 Midnight ... 16
29.391	29.383	29.377	29.365	29.335	29.332	29.348	29.383	29.430	29.414	29.465	10 a.m. ...	29.332 9 p.m. ... 17
29.902	29.932	29.940	29.955	29.958	29.991	29.997	30.005	30.021	29.814	30.021	Midnight ...	29.430 0 a.m. ... 18
30.029	30.032	30.044	30.054	30.053	30.040	30.041	30.041	30.046	30.044	30.068	8 a.m. ...	30.021 0 a.m. ... 19
30.027	30.032	30.038	30.045	30.056	30.055	30.048	30.055	30.044	30.045	30.057	5 a.m. ...	30.021 3 p.m. ... 20
29.826	29.823	29.805	29.806	29.799	29.786	29.777	29.766	29.762	29.893	30.044	0 a.m. ...	29.762 Midnight ... 21
29.626	29.655	29.688	29.732	29.783	29.826	29.859	29.886	29.922	29.714	29.922	Midnight ...	29.599 3 p.m. ... 22
30.086	30.092	30.093	30.106	30.115	30.133	30.114	30.103	30.104	30.067	30.133	9 p.m. ...	29.922 0 a.m. ... 23
30.061	30.053	30.040	30.028	30.017	30.001	29.993	29.987	29.969	30.060	30.104	0 a.m. ...	29.969 Midnight ... 24
29.830	29.822	29.805	29.797	29.795	29.787	29.770	29.755	29.743	29.853	29.969	0 a.m. ...	29.743 Midnight ... 25
29.451	29.451	29.431	29.423	29.409	29.401	29.389	29.378	29.364	29.520	29.743	0 a.m. ...	29.364 Midnight ... 26
29.115	29.116	29.110	29.115	29.126	29.129	29.141	29.152	29.158	29.215	29.364	0 a.m. ...	29.110 6 p.m. ... 27
29.431	29.462	29.495	29.522	29.554	29.585	29.611	29.642	29.660	29.373	29.660	Midnight ...	29.158 0 a.m. ... 28
29.804	29.871	29.881	29.884	29.882	29.876	29.869	29.868	29.854	29.829	29.884	7 p.m. ...	29.660 0 a.m. ... 29
29.680	29.667	29.653	29.653	29.648	29.646	29.640	29.639	29.642	29.730	29.856	1 a.m. ...	29.639 11 p.m. ... 30
29.737	29.752	29.767	29.773	29.786	29.790	29.801	29.806	29.809	29.715	29.809	Midnight ...	29.642 0 a.m. ... 31
29.592	29.598	29.605	29.613	29.618	29.620	29.624	29.626	29.630	29.615	...	.....	..... Mean.

Absolute Minimum = 28.546 on 3rd at 1 p.m.

Table I.—ATMOSPHERIC PRESSURE

MACQUARIE ISLAND.

BAROMETER (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 p.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.813	29.812	29.780	29.759	29.749	29.753	29.766	29.785	29.810	29.833	29.841	29.856	29.866	29.880	29.895
2	30.002	30.003	30.004	30.007	30.006	30.007	30.008	30.015	30.000	30.001	29.997	29.995	29.972	29.965	29.965
3	29.906	29.904	29.883	29.808	29.847	29.829	29.825	29.824	29.825	29.843	29.851	29.845	29.838	29.836	29.834
4	29.956	29.977	29.975	29.976	29.975	29.977	29.983	29.983	29.984	29.996	29.999	30.009	30.002	30.016	30.028
5	30.092	30.096	30.096	30.090	30.088	30.086	30.084	30.082	30.081	30.078	30.078	30.075	30.056	30.043	30.032
6	29.920	29.905	29.897	29.872	29.842	29.825	29.807	29.788	29.768	29.750	29.736	29.708	29.685	29.671	29.659
7	29.520	29.506	29.475	29.451	29.417	29.397	29.385	29.372	29.348	29.332	29.309	29.278	29.250	29.232	29.224
8	29.200	29.206	29.205	29.191	29.184	29.178	29.164	29.151	29.139	29.120	29.105	29.075	29.054	29.057	29.064
9	29.267	29.200	29.332	29.367	29.402	29.437	29.470	29.509	29.517	29.543	29.561	29.576	29.582	29.584	29.583
10	29.352	29.338	29.328	29.312	29.302	29.297	29.291	29.287	29.281	29.294	29.314	29.330	29.350	29.384	29.404
11	29.380	29.376	29.356	29.334	29.314	29.292	29.272	29.245	29.211	29.170	29.133	29.089	29.053	29.047	29.005
12	28.888	28.857	28.836	28.801	28.770	28.753	28.748	28.747	28.743	28.744	28.747	28.760	28.774	28.777	28.792
13	28.962	29.005	29.023	29.056	29.069	29.097	29.130	29.142	29.166	29.192	29.201	29.235	29.256	29.279	29.303
14	29.103	29.060	29.013	28.960	28.904	28.850	28.778	28.706	28.608	28.536	28.444	28.362	28.379	28.435	28.481
15	28.608	28.624	28.634	28.621	28.661	28.774	28.836	28.896	28.955	29.015	29.085	29.138	29.199	29.252	29.286
16	29.197	29.142	29.067	28.975	28.897	28.780	28.704	28.640	28.571	28.511	28.462	28.434	28.432	28.441	28.437
17	28.511	28.538	28.560	28.599	28.646	28.709	28.758	28.802	28.837	28.909	28.977	29.028	29.070	29.102	29.148
18	29.457	29.482	29.504	29.516	29.536	29.555	29.582	29.604	29.610	29.625	29.631	29.624	29.631	29.646	29.659
19	29.619	29.611	29.590	29.574	29.560	29.558	29.555	29.547	29.535	29.518	29.520	29.522	29.523	29.525	29.532
20	29.650	29.669	29.683	29.685	29.686	29.705	29.717	29.721	29.726	29.738	29.744	29.741	29.740	29.740	29.747
21	29.823	29.838	29.842	29.848	29.856	29.864	29.874	29.880	29.881	29.886	29.895	29.889	29.877	29.887	29.891
22	29.870	29.866	29.862	29.847	29.828	29.814	29.802	29.787	29.771	29.756	29.738	29.720	29.696	29.685	29.673
23	29.565	29.563	29.562	29.543	29.528	29.518	29.511	29.506	29.495	29.492	29.489	29.486	29.473	29.460	29.450
24	29.308	29.293	29.269	29.241	29.220	29.224	29.221	29.212	29.204	29.205	29.202	29.198	29.188	29.195	29.200
25	29.312	29.338	29.356	29.355	29.360	29.361	29.378	29.386	29.390	29.388	29.381	29.373	29.381	29.379	29.389
26	29.362	29.364	29.365	29.361	29.354	29.351	29.355	29.369	29.379	29.385	29.395	29.396	29.399	29.400	29.417
27	29.443	29.442	29.434	29.433	29.426	29.418	29.411	29.409	29.402	29.392	29.387	29.387	29.378	29.369	29.372
28	29.398	29.397	29.382	29.373	29.356	29.362	29.354	29.327	29.322	29.309	29.296	29.267	29.242	29.206	29.194
29	29.203	29.211	29.212	29.224	29.227	29.229	29.232	29.232	29.214	29.203	29.182	29.171	29.153	29.137	29.139
30	29.150	29.152	29.152	29.152	29.153	29.154	29.154	29.155	29.145	29.147	29.139	29.130	29.122	29.118	29.125
Mean.	29.428	29.429	29.423	29.413	29.406	29.405	29.405	29.404	29.397	29.397	29.305	29.390	29.387	29.302	29.398

Absolute Maximum = 30.096 on 5th at 2 to 3 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

75

## —HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JUNE, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum.	Minimum.	Date.
29.905	29.913	29.924	29.946	29.961	29.971	29.979	29.990	29.998	29.866	29.998	Midnight ...	29.749
29.966	29.965	29.952	29.965	29.947	29.942	29.940	29.930	29.919	29.978	30.015	8 a.m. ...	29.919
29.842	29.840	29.851	29.850	29.873	29.885	29.895	29.923	29.932	29.860	29.932	Midnight ...	29.824
30.042	30.052	30.077	30.074	30.079	30.089	30.090	30.093	30.093	30.022	30.093	11 p.m.—midn't	29.932
30.019	30.006	29.989	29.993	29.987	29.961	29.955	29.947	29.942	29.040	30.096	2-3 a.m. ...	29.942
29.655	29.653	29.638	29.621	29.598	29.578	29.561	29.549	29.534	29.717	29.942	0 a.m. ...	29.534
29.221	29.214	29.213	29.215	29.214	29.214	29.212	29.212	29.211	29.309	29.534	0 a.m. ...	29.211
29.003	29.129	29.144	29.161	29.182	29.192	29.200	29.231	29.246	29.153	29.246	Midnight ...	29.054
29.587	29.570	29.551	29.531	29.514	29.489	29.461	29.426	29.385	29.481	29.587	4 p.m. ...	29.246
29.400	29.449	29.453	29.453	29.455	29.432	29.423	29.402	29.388	29.363	29.455	8 p.m. ...	29.281
28.999	28.985	28.965	28.954	28.953	28.950	28.937	28.928	28.900	29.119	29.388	0 a.m. ...	28.900
28.812	28.827	28.844	28.864	28.886	28.898	28.907	28.927	28.952	28.819	28.952	Midnight ...	28.743
29.318	29.314	29.319	29.325	29.304	29.284	29.259	29.219	29.162	29.193	29.325	7 p.m. ...	28.952
28.527	28.559	28.582	28.601	28.610	28.617	28.614	28.618	28.618	28.665	29.162	0 a.m. ...	28.362
29.310	29.357	29.365	29.374	29.365	29.366	29.352	29.322	29.258	29.069	29.374	7 p.m. ...	28.608
28.441	28.438	28.430	28.434	28.449	28.460	28.463	28.473	28.486	28.615	29.258	0 a.m. ...	28.430
29.187	29.228	29.265	29.307	29.334	29.361	29.387	29.399	29.428	29.004	29.428	Midnight ...	28.486
29.661	29.662	29.662	29.665	29.667	29.658	29.653	29.646	29.634	29.607	29.667	8 p.m. ...	29.428
29.548	29.552	29.560	29.576	29.588	29.595	29.614	29.621	29.641	29.566	29.641	Midnight ...	29.518
29.760	29.771	29.783	29.787	29.791	29.795	29.806	29.814	29.822	29.743	29.822	Midnight ...	29.641
29.897	29.900	29.901	29.902	29.900	29.896	29.896	29.894	29.886	29.879	29.902	7 p.m. ...	29.822
29.662	29.649	29.634	29.629	29.623	29.619	29.618	29.611	29.589	29.723	29.886	0 a.m. ...	29.589
29.436	29.424	29.425	29.404	29.400	29.397	29.372	29.348	29.330	29.466	29.589	0 a.m. ...	29.330
29.197	29.178	29.173	29.187	29.199	29.202	29.223	29.259	29.275	29.220	29.330	0 a.m. ...	29.173
29.384	29.389	29.378	29.373	29.369	29.375	29.374	29.373	29.367	29.371	29.390	9 a.m. ...	29.275
29.427	29.438	29.438	29.438	29.439	29.444	29.445	29.444	29.443	29.400	29.445	10 p.m. ...	29.351
29.373	29.372	29.373	29.377	29.380	29.391	29.401	29.400	29.400	29.399	29.443	0-1 a.m. ...	29.369
29.173	29.160	29.165	29.146	29.138	29.141	29.149	29.173	29.187	29.259	29.400	0 a.m. ...	29.138
29.138	29.121	29.116	29.127	29.133	29.147	29.152	29.154	29.154	29.175	29.232	7-8 a.m. ...	29.116
29.127	29.135	29.143	29.163	29.179	29.203	29.210	29.231	29.240	29.157	29.240	Midnight ...	29.118
29.404	29.408	29.410	29.415	29.417	29.418	29.418	29.419	29.414	29.408	...	.....	Mean.

Absolute Minimum = 28.302 on 14th at noon.

## AUSTRALASIAN ANTARCTIC EXPEDITION:

Table I.—ATMOSPHERIC PRESSURE

MACQUARIE ISLAND.

BAROMETER (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.270	29.274	29.285	29.298	29.310	29.316	29.322	29.328	29.323	29.325	29.324	29.328	29.326	29.320	29.323
2	29.191	29.180	29.168	29.152	29.148	29.161	29.174	29.195	29.204	29.205	29.209	29.210	29.200	29.198	29.187
3	29.120	29.123	29.130	29.162	29.197	29.147	29.286	29.363	29.418	29.498	29.571	29.631	29.655	29.717	29.753
4	29.744	29.742	29.732	29.731	29.727	29.729	29.731	29.738	29.737	29.732	29.733	29.725	29.705	29.685	29.693
5	29.682	29.684	29.672	29.669	29.657	29.639	29.634	29.618	29.599	29.597	29.582	29.543	29.533	29.511	29.489
6	29.483	29.501	29.503	29.507	29.505	29.503	29.503	29.520	29.523	29.535	29.537	29.550	29.553	29.569	29.588
7	29.782	29.794	29.813	29.824	29.841	29.853	29.888	29.912	29.931	29.946	29.951	29.951	29.951	29.954	29.961
8	29.966	29.954	29.949	29.945	29.931	29.919	29.904	29.882	29.870	29.860	29.841	29.824	29.794	29.773	29.756
9	29.562	29.543	29.515	29.503	29.489	29.491	29.492	29.491	29.494	29.500	29.504	29.508	29.501	29.498	29.523
10	29.476	29.462	29.440	29.403	29.378	29.354	29.317	29.295	29.262	29.226	29.180	29.134	29.095	29.099	29.104
11	29.185	29.203	29.221	29.233	29.252	29.273	29.286	29.307	29.304	29.315	29.319	29.300	29.254	29.193	29.158
12	29.077	29.039	29.007	28.969	28.045	28.975	28.986	28.989	28.991	28.984	28.987	29.007	29.016	29.046	29.082
13	29.338	29.377	29.378	29.378	29.405	29.437	29.460	29.484	29.506	29.528	29.546	29.559	29.576	29.598	29.631
14	29.390	29.334	29.269	29.229	29.249	29.354	29.418	29.488	29.553	29.593	29.630	29.657	29.648	29.649	29.640
15	29.583	29.603	29.643	29.678	29.702	29.737	29.751	29.760	29.738	29.716	29.712	29.708	29.731	29.747	29.779
16	29.925	29.933	29.937	29.937	29.936	29.943	29.943	29.942	29.914	29.902	29.891	29.886	29.880	29.886	29.890
17	29.888	29.882	29.871	29.852	29.831	29.825	29.818	29.816	29.799	29.781	29.760	29.748	29.707	29.687	29.659
18	29.639	29.665	29.680	29.696	29.707	29.725	29.736	29.751	29.754	29.756	29.759	29.752	29.742	29.741	29.746
19	29.698	29.697	29.688	29.690	29.694	29.692	29.697	29.699	29.700	29.704	29.703	29.691	29.683	29.679	29.677
20	29.576	29.549	29.510	29.482	29.447	29.404	29.365	29.318	29.247	29.205	29.111	29.040	28.929	28.820	28.742
21	28.382	28.449	28.515	28.589	28.667	28.748	28.828	28.913	28.991	29.045	29.102	29.143	29.209	29.247	29.301
22	29.555	29.562	29.567	29.569	29.573	29.579	29.589	29.592	29.589	29.580	29.580	29.562	29.553	29.542	29.545
23	29.854	29.881	29.887	29.893	29.893	29.893	29.894	29.907	29.898	29.893	29.870	29.864	29.829	29.815	29.804
24	29.727	29.701	29.672	29.632	29.598	29.573	29.583	29.596	29.690	29.761	29.804	29.859	29.899	29.918	29.954
25	29.968	29.941	29.905	29.871	29.842	29.836	29.840	29.857	29.871	29.891	29.897	29.908	29.919	29.924	29.931
26	29.835	29.823	29.793	29.767	29.740	29.728	29.726	29.731	29.732	29.737	29.765	29.777	29.784	29.799	29.822
27	29.886	29.883	29.870	29.854	29.837	29.815	29.819	29.809	29.782	29.764	29.748	29.724	29.782	29.641	29.609
28	29.304	29.327	29.266	29.282	29.282	29.293	29.291	29.301	29.333	29.341	29.351	29.356	29.378	29.387	29.398
29	29.561	29.566	29.564	29.557	29.548	29.537	29.528	29.522	29.497	29.484	29.473	29.442	29.412	29.390	29.369
30	29.163	29.165	29.173	29.232	29.226	29.394	29.442	29.482	29.502	29.499	29.483	29.455	29.411	29.362	29.308
31	29.462	29.488	29.512	29.521	29.538	29.578	29.591	29.599	29.607	29.644	29.668	29.692	29.730	29.750	29.777
Mean.	29.525	29.527	29.520	29.520	29.519	29.531	29.543	29.555	29.560	29.566	29.567	29.566	29.565	29.553	29.555

Absolute Maximum = 30.030 on 24th at 8 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

JULY, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29.322	29.306	29.302	29.298	29.290	29.267	29.255	29.232	29.203	29.298	29.328	8-9 a.m. noon	29.203
29.182	29.180	29.179	29.165	29.153	29.136	29.125	29.124	29.117	29.173	29.210	Noon	29.117
29.784	29.808	29.809	29.817	29.821	29.793	29.779	29.770	29.750	29.539	29.821	8 p.m.	29.117
29.675	29.672	29.676	29.675	29.678	29.677	29.678	29.679	29.680	29.707	29.750	0 a.m.	29.672
29.482	29.472	29.456	29.466	29.479	29.480	29.494	29.483	29.493	29.559	29.684	2 a.m.	29.456
29.603	29.607	29.637	29.655	29.681	29.695	29.714	29.739	29.755	29.582	29.755	Midnight	29.483
29.969	29.970	29.979	29.989	29.989	29.979	29.974	29.975	29.977	29.923	29.989	7-8 p.m.	29.755
29.742	29.724	29.717	29.699	29.670	29.650	29.632	29.604	29.577	29.799	29.977	0 a.m.	29.577
29.530	29.542	29.545	29.546	29.530	29.517	29.512	29.492	29.479	29.513	29.577	0 a.m.	29.479
29.100	29.115	29.116	29.161	29.175	29.174	29.154	29.149	29.171	29.231	29.479	0 a.m.	29.095
29.116	29.125	29.138	29.160	29.167	29.174	29.152	29.136	29.111	29.212	29.319	11 a.m.	29.111
29.134	29.197	29.240	29.265	29.267	29.269	29.278	29.285	29.308	29.098	29.308	Midnight	28.945
29.647	29.656	29.670	29.674	29.658	29.638	29.600	29.528	29.458	29.530	29.674	7 p.m.	29.308
29.620	29.599	29.585	29.579	29.567	29.551	29.547	29.551	29.548	29.511	29.657	Noon	29.229
29.786	29.806	29.810	29.840	29.853	29.880	29.893	29.910	29.916	29.762	29.916	Midnight	29.548
29.897	29.899	29.012	29.938	29.934	29.924	29.919	29.915	29.901	29.916	29.943	6-7 a.m.	29.880
29.637	29.613	29.588	29.574	29.561	29.546	29.582	29.608	29.626	29.719	29.901	0 a.m.	29.546
29.751	29.734	29.736	29.725	29.715	29.710	29.708	29.705	29.698	29.722	29.759	11 a.m.	29.626
29.679	29.681	29.676	29.672	29.672	29.670	29.658	29.626	29.597	29.680	29.704	10 a.m.	29.597
28.717	28.651	28.574	28.512	28.441	28.371	28.355	28.337	28.343	28.960	29.597	0 a.m.	28.337
29.342	29.373	29.404	29.438	29.462	29.490	29.512	29.528	29.538	29.092	29.538	Midnight	28.343
29.553	29.566	29.583	29.633	29.676	29.731	29.761	29.786	29.812	29.610	29.812	Midnight	29.538
29.788	29.777	29.770	29.768	29.764	29.761	29.753	29.751	29.739	29.831	29.907	8 a.m.	29.739
29.978	29.992	30.002	30.012	30.030	30.029	30.018	30.012	29.999	29.835	30.030	8 p.m.	29.573
29.936	29.935	29.928	29.916	29.904	29.895	29.880	29.862	29.848	29.896	29.999	0 a.m.	29.836
29.831	29.835	29.841	29.857	29.868	29.875	29.873	29.894	29.887	29.805	29.894	11 p.m.	29.726
29.588	29.557	29.533	29.498	29.469	29.436	29.404	29.371	29.334	29.667	29.887	0 a.m.	29.334
29.405	29.426	29.431	29.451	29.468	29.486	29.518	29.533	29.559	29.382	29.559	Midnight	29.266
29.366	29.346	29.291	29.258	29.216	29.199	29.195	29.178	29.166	29.403	29.566	2 a.m.	29.166
29.251	29.253	29.275	29.223	29.335	29.362	29.387	29.417	29.441	29.343	29.502	9 a.m.	29.163
29.803	29.815	29.804	29.837	29.826	29.831	29.834	29.838	29.835	29.691	29.838	11 p.m.	29.441
29.556	29.556	29.555	29.558	29.559	29.555	29.553	29.549	29.544	29.548	...	...	Mean.

Absolute Minimum = 28.337 on 20th at 11 p.m.

Table I.—ATMOSPHERIC PRESSURE

MACQUARIE ISLAND.

BAROMETER (IN INCHES). CORRECTED AND

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.833	29.827	29.813	29.790	29.739	29.721	29.729	29.734	29.745	29.748	29.750	29.760	29.757	29.765	29.781
2	29.850	29.857	29.862	29.859	29.849	29.842	29.836	29.842	29.845	29.843	29.841	29.825	29.812	29.787	29.790
3	29.784	29.770	29.773	29.773	29.772	29.771	29.772	29.770	29.769	29.766	29.763	29.764	29.770	29.785	29.797
4	29.927	29.938	29.940	29.940	29.940	29.941	29.945	29.951	29.948	29.939	29.928	29.906	29.883	29.882	29.873
5	29.722	29.703	29.674	29.632	29.601	29.572	29.553	29.533	29.514	29.490	29.468	29.441	29.415	29.395	29.379
6	29.448	29.453	29.454	29.456	29.455	29.456	29.457	29.470	29.469	29.473	29.474	29.465	29.443	29.436	29.449
7	29.502	29.534	29.535	29.542	29.543	29.555	29.570	29.589	29.586	29.592	29.616	29.618	29.618	29.619	29.631
8	29.600	29.690	29.687	29.685	29.682	29.679	29.673	29.668	29.658	29.645	29.639	29.628	29.609	29.605	29.599
9	29.556	29.546	29.537	29.530	29.527	29.523	29.511	29.519	29.515	29.510	29.502	29.490	29.477	29.482	29.476
10	29.461	29.458	29.441	29.432	29.421	29.415	29.408	29.406	29.396	29.380	29.382	29.371	29.357	29.345	29.345
11	29.256	29.259	29.259	29.258	29.257	29.261	29.264	29.268	29.271	29.276	29.293	29.306	29.319	29.336	29.358
12	29.462	29.475	29.474	29.477	29.469	29.466	29.462	29.456	29.430	29.433	29.446	29.454	29.444	29.442	29.446
13	29.582	29.635	29.668	29.695	29.728	29.762	29.795	29.823	29.840	29.848	29.850	29.856	29.860	29.874	29.883
14	29.931	29.941	29.946	29.947	29.949	29.954	29.964	29.979	29.981	29.979	29.987	29.984	29.976	29.991	30.002
15	30.034	30.041	30.033	30.024	30.013	30.004	30.001	29.990	29.975	29.972	29.966	29.961	29.938	29.932	29.919
16	29.937	29.941	29.944	29.945	29.948	29.952	29.954	29.956	29.977	29.972	29.967	29.961	29.959	29.960	29.963
17	29.954	29.958	29.959	29.953	29.954	29.955	29.956	29.958	29.945	29.953	29.955	29.950	29.937	29.930	29.948
18	30.022	30.029	30.031	30.033	30.035	30.026	30.016	30.008	29.996	29.982	29.968	29.956	29.936	29.920	29.905
19	29.795	29.770	29.746	29.733	29.723	29.697	29.671	29.655	29.620	29.612	29.583	29.559	29.534	29.504	29.499
20	29.315	29.340	29.360	29.391	29.426	29.454	29.485	29.493	29.530	29.548	29.580	29.605	29.633	29.650	29.677
21	29.702	29.681	29.658	29.629	29.589	29.552	29.500	29.458	29.415	29.366	29.299	29.221	29.148	29.090	29.056
22	29.243	29.308	29.358	29.376	29.380	29.407	29.434	29.429	29.381	29.336	29.302	29.242	29.166	29.175	29.283
23	29.485	29.456	29.418	29.372	29.312	29.302	29.309	29.341	29.360	29.393	29.415	29.437	29.459	29.471	29.493
24	29.517	29.532	29.538	29.544	29.559	29.556	29.550	29.534	29.504	29.477	29.453	29.492	29.524	29.556	29.599
25	29.926	29.950	29.981	29.999	30.008	30.019	30.024	30.039	30.035	30.035	30.044	30.047	30.058	30.057	30.072
26	30.229	30.227	30.225	30.212	30.211	30.210	30.209	30.207	30.200	30.197	30.179	30.164	30.153	30.154	30.147
27	30.034	30.027	30.015	30.011	30.001	29.985	29.978	29.974	29.966	29.955	29.958	29.947	29.934	29.924	29.911
28	29.970	29.977	29.983	29.989	29.993	29.995	29.998	30.011	29.997	29.996	29.993	29.969	29.951	29.936	29.924
29	29.849	29.833	29.817	29.803	29.791	29.785	29.781	29.770	29.754	29.732	29.722	29.688	29.662	29.636	29.618
30	29.560	29.557	29.565	29.575	29.590	29.608	29.629	29.651	29.655	29.670	29.695	29.710	29.725	29.743	29.737
31	29.710	29.701	29.696	29.692	29.688	29.687	29.686	29.697	29.692	29.690	29.692	29.687	29.674	29.686	29.697
Mean.	29.719	29.723	29.723	29.719	29.715	29.713	29.714	29.715	29.709	29.703	29.700	29.693	29.682	29.680	29.686

Absolute Maximum = 30.229 on 26th a (1 a.m.)

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## -HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

AUGUST, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.	
29.796	29.809	29.820	29.812	29.830	29.839	29.848	29.851	29.789	29.851	Midnight ...	29.721	6 a.m. ... 1	
29.793	29.795	29.790	29.793	29.797	29.802	29.795	29.797	29.786	29.820	29.862	3 a.m. ...	29.786	Midnight ... 2
29.817	29.838	29.850	29.866	29.877	29.883	29.900	29.901	29.911	29.810	29.911	Midnight ...	29.763	11 a.m. ... 3
29.867	29.848	29.827	29.817	29.810	29.803	29.780	29.760	29.748	29.881	29.951	8 a.m. ...	29.748	Midnight ... 4
29.370	29.359	29.354	29.364	29.376	29.389	29.407	29.425	29.439	29.482	29.748	0 a.m. ...	29.354	6 p.m. ... 5
29.460	29.466	29.475	29.480	29.482	29.494	29.497	29.507	29.518	29.468	29.518	Midnight ...	29.436	2 p.m. ... 6
29.652	29.670	29.681	29.679	29.681	29.683	29.688	29.692	29.694	29.615	29.694	Midnight ...	29.502	1 a.m. ... 7
29.597	29.593	29.589	29.589	29.589	29.588	29.573	29.572	29.568	29.629	29.694	0 a.m. ...	29.568	Midnight ... 8
29.489	29.496	29.501	29.496	29.500	29.502	29.497	29.488	29.482	29.506	29.568	0 a.m. ...	29.476	3 p.m. ... 9
29.341	29.328	29.315	29.318	29.316	29.314	29.305	29.294	29.275	29.368	29.482	0 a.m. ...	29.275	Midnight ... 10
29.364	29.388	29.401	29.413	29.420	29.427	29.433	29.446	29.450	29.333	29.450	Midnight ...	29.256	1 a.m. ... 11
29.434	29.425	29.429	29.440	29.445	29.458	29.472	29.497	29.531	29.457	29.531	Midnight ...	29.425	5 p.m. ... 12
29.901	29.907	29.913	29.916	29.921	29.917	29.918	29.920	29.926	29.831	29.926	Midnight ...	29.531	0 a.m. ... 13
30.001	30.004	30.008	30.012	30.025	30.030	30.030	30.025	30.031	29.987	30.031	Midnight ...	29.926	0 a.m. ... 14
29.910	29.906	29.905	29.901	29.900	29.896	29.908	29.917	29.934	29.957	30.041	2 a.m. ...	29.896	9 p.m. ... 15
29.964	29.966	29.961	29.957	29.961	29.963	29.962	29.956	29.955	29.958	29.977	9 a.m. ...	29.934	0 a.m. ... 16
29.966	29.982	30.005	30.012	30.019	30.031	30.021	30.027	30.019	29.973	30.031	9-10 p.m. ...	29.930	2 p.m. ... 17
29.891	29.876	29.866	29.858	29.835	29.818	29.808	29.818	29.797	29.935	30.035	5 a.m. ...	29.797	Midnight ... 18
29.473	29.462	29.446	29.438	29.414	29.376	29.354	29.340	29.318	29.555	29.797	0 a.m. ...	29.318	Midnight ... 19
29.696	29.710	29.731	29.742	29.743	29.738	29.723	29.710	29.708	29.583	29.743	8 p.m. ...	29.315	1 a.m. ... 20
29.023*	29.014	29.047	29.119	29.165	29.189	29.211	29.208	29.203	29.314	29.708	0 a.m. ...	29.014	5 p.m. ... 21
29.343	29.387	29.398	29.437	29.449	29.465	29.471	29.476	29.486	29.364	29.486	Midnight ...	29.166	1 p.m. ... 22
29.493	29.497	29.508	29.507	29.497	29.507	29.512	29.520	29.520	29.441	29.520	11 p.m.—mid't	29.302	6 a.m. ... 23
29.025	29.617	29.699	29.732	29.775	29.798	29.839	29.862	29.902	29.616	29.902	Midnight ...	29.453	11 a.m. ... 24
30.088	30.021	30.149	30.170	30.188	30.199	30.218	30.216	30.220	30.073	30.220	Midnight ...	29.902	0 a.m. ... 25
30.135	30.131	30.124	30.108	30.096	30.089	30.069	30.055	30.041	30.157	30.229	1 a.m. ...	30.041	Midnight ... 26
29.904	29.901	29.897	29.896	29.897	29.902	29.917	29.931	29.949	29.951	30.041	0 a.m. ...	29.896	7 p.m. ... 27
29.913	29.905	29.900	29.896	29.886	29.889	29.880	29.869	29.861	29.945	30.011	8 a.m. ...	29.861	Midnight ... 28
29.003	29.580	29.562	29.550	29.553	29.546	29.537	29.543	29.562	29.679	29.861	0 a.m. ...	29.537	10 p.m. ... 29
29.739	29.733	29.719	29.712	29.711	29.710	29.720	29.717	29.712	29.673	29.743	2 p.m. ...	29.557	2 a.m. ... 30
29.701	29.705	29.710	29.710	29.705	29.706	29.711	29.711	29.713	29.698	29.713	Midnight ...	29.674	1 p.m. ... 31
29.689	29.688	29.696	29.702	29.705	29.708	29.710	29.711	29.713	29.705	...	.....	.....	Mean.

Absolute Minimum = 29.014 on 21st at 5 p.m.

## MACQUARIE ISLAND.

Table I.-ATMOSPHERIC PRESSURE

BAROMETER, (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.714	29.720	29.719	29.720	29.719	29.720	29.721	29.722	29.705	29.698	29.688	29.675	29.643	29.624	29.612
2	29.572	29.559	29.547	29.537	29.521	29.508	29.503	29.487	29.457	29.441	29.418	29.385	29.357	29.331	29.307
3	29.103	29.087	29.065	29.045	29.027	29.015	29.000	28.990	28.959	28.953	28.928	28.915	28.807	28.882	28.872
4	28.832	28.846	28.856	28.859	28.868	28.877	28.885	28.891	28.861	28.862	28.865	28.871	28.848	28.825	28.792
5	28.913	28.951	28.970	28.993	29.010	29.031	29.046	29.064	29.069	29.090	29.097	29.114	29.136	29.141	29.163
6	29.273	29.295	29.299	29.312	29.320	29.331	29.353	29.373	29.364	29.365	29.371	29.380	29.386	29.404	29.436
7	29.647	29.647	29.644	29.641	29.628	29.623	29.593	29.569	29.536	29.496	29.458	29.424	29.388	29.355	29.319
8	29.319	29.370	29.435	29.494	29.552	29.598	29.658	29.696	29.719	29.744	29.762	29.777	29.781	29.784	29.788
9	29.778	29.776	29.769	29.763	29.760	29.761	29.767	29.774	29.772	29.768	29.773	29.760	29.754	29.765	29.762
10	29.692	29.680	29.666	29.655	29.649	29.648	29.648	29.648	29.631	29.629	29.629	29.610	29.605	29.608	29.612
11	29.647	29.649	29.657	29.660	29.657	29.657	29.655	29.662	29.656	29.653	29.627	29.612	29.611	29.608	29.606
12	29.624	29.623	29.623	29.622	29.622	29.623	29.623	29.629	29.635	29.635	29.649	29.642	29.644	29.647	29.665
13	29.902	29.910	29.919	29.922	29.939	29.953	29.969	29.977	29.985	29.985	29.983	29.976	29.966	29.966	29.962
14	29.851	29.817	29.788	29.766	29.745	29.731	29.720	29.707	29.682	29.656	29.630	29.609	29.572	29.546	29.526
15	29.325	29.314	29.303	29.292	29.289	29.287	29.277	29.264	29.250	29.224	29.195	29.178	29.178	29.183	29.187
16	29.065	29.024	28.978	28.928	28.868	28.837	28.797	28.769	28.719	28.693	28.670	28.693	28.700	28.732	28.753
17	28.987	29.007	29.027	29.041	29.051	29.071	29.094	29.107	29.131	29.138	29.143	29.155	29.165	29.179	29.206
18	29.406	29.416	29.426	29.429	29.439	29.451	29.467	29.478	29.479	29.482	29.486	29.487	29.468	29.466	29.457
19	29.460	29.466	29.465	29.470	29.476	29.484	29.491	29.500	29.499	29.497	29.498	29.494	29.497	29.526	29.525
20	29.781	29.791	29.821	29.831	29.841	29.865	29.883	29.888	29.894	29.904	29.889	29.877	29.856	29.856	29.856
21	29.684	29.639	29.592	29.566	29.521	29.484	29.441	29.420	29.381	29.359	29.336	29.326	29.305	29.318	29.327
22	29.295	29.273	29.247	29.215	29.200	29.188	29.182	29.169	29.137	29.108	29.074	29.034	28.985	28.962	28.954
23	29.352	29.383	29.425	29.463	29.497	29.522	29.566	29.590	29.614	29.634	29.644	29.648	29.654	29.656	29.655
24	29.787	29.816	29.823	29.832	29.827	29.821	29.812	29.800	29.786	29.775	29.778	29.782	29.772	29.761	29.755
25	29.579	29.542	29.496	29.448	29.406	29.375	29.348	29.328	29.339	29.339	29.335	29.349	29.329	29.317	29.287
26	29.383	29.393	29.409	29.426	29.436	29.438	29.444	29.445	29.440	29.440	29.457	29.456	29.455	29.447	29.450
27	29.396	29.408	29.411	29.432	29.446	29.463	29.476	29.497	29.519	29.547	29.552	29.560	29.560	29.564	29.565
28	29.567	29.560	29.541	29.539	29.514	29.495	29.481	29.453	29.391	29.333	29.252	29.191	29.114	29.062	29.009
29	28.546	28.518	28.543	28.591	28.648	28.712	28.777	28.824	28.869	28.888	28.902	28.906	28.916	28.927	28.944
30	29.022	29.036	29.057	29.071	29.080	29.101	29.127	29.143	29.149	29.164	29.167	29.171	29.171	29.168	29.160
Mean.	29.417	29.417	29.414	29.419	29.419	29.422	29.427	29.429	29.421	29.417	29.409	29.402	29.391	29.387	29.384

Absolute Maximum = 29.985 on 13th at 9 to 10 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## -HOURLY VALUES—continued.

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

SEPTEMBER, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum	Minimum.	Date
29.508	29.602	29.602	29.599	29.598	29.597	29.585	29.586	29.579	29.656	29.722	8 a.m. ...	29.579
29.284	29.266	29.253	29.238	29.218	29.183	29.120	29.107	29.102	29.363	29.579	0 a.m. ...	29.102
28.855	28.848	28.853	28.844	28.835	28.845	28.832	28.838	28.828	28.930	29.103	1 a.m. ...	28.828
28.778	28.757	28.752	28.786	28.816	28.848	28.884	28.898	28.914	28.845	28.914	Midnight ...	28.752
29.165	29.186	29.197	29.196	29.204	29.226	29.234	29.250	29.263	29.113	29.263	Midnight ...	28.913
29.465	29.506	29.531	29.558	29.588	29.614	29.629	29.639	29.648	29.435	29.648	Midnight ...	29.263
29.313	29.284	29.275	29.251	29.239	29.233	29.223	29.238	29.270	29.429	29.648	0 a.m. ...	29.223
29.786	29.780	29.782	29.777	29.784	29.790	29.794	29.791	29.779	29.690	29.794	10 p.m. ...	29.270
29.759	29.757	29.753	29.749	29.744	29.745	29.725	29.716	29.706	29.756	29.779	0 a.m. ...	29.706
29.614	29.618	29.620	29.627	29.632	29.645	29.650	29.647	29.647	29.638	29.706	0 a.m. ...	29.605
29.605	29.608	29.606	29.616	29.621	29.640	29.636	29.625	29.624	29.633	29.662	8 a.m. ...	29.605
29.679	29.710	29.729	29.762	29.790	29.827	29.834	29.857	29.877	29.690	29.877	Midnight ...	29.622
29.649	29.938	29.930	29.930	29.928	29.918	29.901	29.889	29.872	29.940	29.985	9-10 a.m. ...	29.872
29.492	29.465	29.434	29.425	29.412	29.400	29.377	29.362	29.333	29.585	29.872	0 a.m. ...	29.333
29.196	29.201	29.202	29.192	29.187	29.174	29.153	29.138	29.106	29.221	29.333	0 a.m. ...	29.106
28.780	28.799	28.820	28.847	28.881	28.911	28.933	28.948	28.966	28.839	29.106	0 a.m. ...	28.670
29.221	29.246	29.257	29.289	29.313	29.338	29.365	29.370	29.389	29.179	29.389	Midnight ...	28.966
29.450	29.446	29.443	29.450	29.450	29.456	29.454	29.454	29.464	29.454	29.487	Noon ...	29.380
29.563	29.589	29.621	29.652	29.673	29.707	29.727	29.751	29.758	29.558	29.758	Midnight ...	29.464
29.845	29.843	29.836	29.811	29.796	29.787	29.758	29.728	29.716	29.831	29.904	10 a.m. ...	29.716
29.333	29.343	29.345	29.357	29.356	29.349	29.333	29.325	29.312	29.406	29.716	0 a.m. ...	29.305
28.954	28.964	28.975	29.018	29.077	29.140	29.186	29.247	29.292	29.120	29.312	0 a.m. ...	28.954
29.643	29.635	29.627	29.627	29.631	29.649	29.678	29.723	29.764	29.595	29.764	Midnight ...	29.292
29.730	29.718	29.707	29.692	29.681	29.674	29.652	29.637	29.614	29.751	29.832	4 a.m. ...	29.614
29.211	29.135	29.131	29.203	29.250	29.282	29.308	29.325	29.346	29.334	29.614	0 a.m. ...	29.131
29.443	29.425	29.424	29.408	29.399	29.389	29.378	29.373	29.376	29.422	29.457	11 a.m. ...	29.346
29.568	29.569	29.575	29.575	29.586	29.587	29.586	29.586	29.578	29.525	29.587	9 p.m. ...	29.376
28.961	28.908	28.881	28.842	28.814	28.775	28.723	28.663	28.507	29.153	29.578	0 a.m. ...	28.597
28.947	28.957	28.963	28.968	28.966	28.966	28.974	29.005	29.010	28.844	29.010	Midnight ...	28.518
29.160	29.153	29.134	29.107	29.073	29.039	28.988	28.929	28.856	29.093	29.171	Noon-1 p.m. ...	28.856
29.378	29.375	29.375	29.380	29.385	29.391	29.388	29.388	29.386	29.401	...	...	Mean.

Absolute Minimum = 28.518 on 29th at 2 a.m.

## MACQUARIE ISLAND.

Table I.—ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	28.798	28.748	28.700	28.691	28.695	28.698	28.699	28.700	28.694	28.685	28.673	28.661	28.666	28.681	28.700
2	28.956	28.978	28.980	28.982	28.964	28.950	28.952	28.954	28.957	28.964	28.976	28.983	29.002	29.003	29.001
3	28.923	28.897	28.879	28.864	28.850	28.848	28.855	28.854	28.864	28.875	28.893	28.910	28.928	28.937	28.967
4	29.071	29.052	29.020	28.992	28.975	28.970	28.945	28.944	28.944	28.949	28.951	28.960	28.971	28.998	.29.029
5	29.396	29.425	29.470	29.513	29.564	29.602	29.655	29.693	29.734	29.772	29.816	29.849	29.896	29.943	29.982
6	30.118	30.126	30.136	30.152	30.162	30.168	30.181	30.194	30.212	30.223	30.218	30.214	30.197	30.199	30.201
7	30.199	30.190	30.181	30.174	30.167	30.161	30.152	30.141	30.127	30.108	30.094	30.076	30.063	30.040	30.019
8	29.905	29.902	29.908	29.928	29.943	29.961	29.965	29.988	29.993	30.000	30.006	30.018	30.020	30.018	30.021
9	30.151	30.163	30.173	30.174	30.174	30.179	30.185	30.180	30.181	30.182	30.175	30.160	30.138	30.104	30.090
10	29.734	29.686	29.639	29.587	29.540	29.501	29.457	29.429	29.418	29.443	29.448	29.455	29.465	29.467	29.490
11	29.488	29.466	29.428	29.390	29.347	29.316	29.280	29.243	29.221	29.204	29.176	29.164	29.150	29.141	29.135
12	29.050	29.062	29.071	29.082	29.083	29.089	29.082	29.063	29.031	28.994	28.941	28.882	28.842	28.817	
13	28.932	29.002	29.067	29.113	29.162	29.194	29.238	29.266	29.289	29.313	29.323	29.339	29.371	29.378	29.396
14	29.404	29.398	29.393	29.389	29.390	29.391	29.393	29.398	29.400	29.399	29.397	29.408	29.397	29.394	
15	29.366	29.359	29.346	29.328	29.315	29.306	29.293	29.293	29.286	29.257	29.219	29.194	29.163	29.129	29.081
16	28.842	28.834	28.834	28.836	28.839	28.840	28.843	28.830	28.808	28.791	28.761	28.730	28.726	28.744	28.748
17	28.820	28.820	28.822	28.824	28.833	28.838	28.843	28.851	28.851	28.853	28.851	28.846	28.843	28.853	
18	28.860	28.866	28.860	28.875	28.894	28.906	28.917	28.935	28.943	28.956	28.961	28.974	28.987	28.998	29.012
19	29.164	29.182	29.187	29.187	29.195	29.211	29.222	29.236	29.247	29.254	29.257	29.281	29.282	29.313	29.337
20	29.435	29.425	29.403	29.375	29.338	29.328	29.314	29.289	29.245	29.202	29.157	29.101	29.048	28.992	28.950
21	29.076	29.087	29.094	29.109	29.114	29.138	29.174	29.193	29.205	29.207	29.224	29.243	29.251	29.202	29.275
22	29.128	29.090	29.054	29.019	28.977	28.969	28.965	28.971	28.976	29.004	29.021	29.059	29.084	29.114	29.146
23	29.197	29.196	29.196	29.194	29.186	29.190	29.199	29.206	29.215	29.208	29.208	29.209	29.212	29.214	29.215
24	29.240	29.241	29.241	29.235	29.253	29.263	29.273	29.283	29.286	29.289	29.296	29.315	29.331	29.324	29.324
25	29.408	29.391	29.392	29.394	29.393	29.397	29.395	29.403	29.393	29.392	29.395	29.399	29.390	29.390	29.366
26	29.042	29.054	29.092	29.119	29.134	29.137	29.156	29.172	29.175	29.187	29.203	29.221	29.232	29.245	29.269
27	29.320	29.331	29.335	29.338	29.350	29.353	29.354	29.358	29.360	29.360	29.369	29.366	29.361	29.350	29.333
28	29.231	29.227	29.224	29.217	29.215	29.215	29.216	29.215	29.200	29.190	29.187	29.184	29.187	29.190	29.193
29	29.133	29.112	29.088	29.073	29.078	29.101	29.128	29.163	29.176	29.179	29.197	29.210	29.222	29.229	29.238
30	29.306	29.306	29.306	29.315	29.326	29.343	29.351	29.356	29.354	29.359	29.364	29.364	29.368	29.374	29.378
31	29.444	29.452	29.465	29.474	29.480	29.486	29.496	29.507	29.513	29.525	29.532	29.534	29.544	29.555	29.571
Mean.	29.295	29.293	29.290	29.288	29.288	29.292	29.296	29.301	29.301	29.302	29.301	29.302	29.303	29.304	29.307

Absolute Maximum = 30.226 on 6th at 9 p.m.

-HOURLY VALUES—*continued.*

REDUCED TO 32° FAHR. M.S.L. AND STANDARD GRAVITY.

OCTOBER, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.	
28.717	28.744	28.770	28.796	28.825	28.864	28.886	28.914	28.928	28.747	28.928	Midnight ...	28.661    Noon ...    1	
28.999	28.999	29.003	29.010	29.009	29.002	28.995	28.967	28.941	28.980	29.010	7 p.m. ...	28.928    0 a.m. ...    2	
28.983	29.012	29.025	29.048	29.063	29.068	29.073	29.077	29.077	28.949	29.077	11 p.m.—midn't	28.848    6 a.m. ...    3	
29.062	29.094	29.127	29.175	29.212	29.256	29.284	29.325	29.354	29.069	29.354	Midnight ...	28.944    8-9 a.m. ...    4	
29.999	30.007	30.018	30.053	30.070	30.088	30.079	30.090	30.102	29.826	30.102	Midnight ...	29.354    0 a.m. ...    5	
30.203	30.205	30.204	30.210	30.218	30.226	30.224	30.223	30.224	30.193	30.226	9 p.m. ...	30.102    0 a.m. ...    6	
30.000	29.979	29.964	29.964	29.968	29.957	29.947	29.921	29.908	30.063	30.224	0 a.m. ...	29.908    Midnight ...    7	
30.029	30.045	30.053	30.073	30.093	30.113	30.126	30.137	30.139	30.016	30.139	Midnight ...	29.902    2 a.m. ...    8	
30.069	30.039	30.018	29.985	29.953	29.924	29.883	29.826	29.778	30.078	30.185	7 a.m. ...	29.778    Midnight ...    9	
29.499	29.516	29.520	29.535	29.544	29.536	29.544	29.534	29.511	29.521	29.778	0 a.m. ...	29.418    9 a.m. ...    10	
29.123	29.097	29.079	29.059	29.039	29.033	29.034	29.035	29.038	29.195	29.511	0 a.m. ...	29.033    9 p.m. ...    11	
28.807	28.790	28.790	28.804	28.810	28.815	28.797	28.804	28.840	28.935	29.089	7 a.m. ...	28.790    5-6 p.m. ...    12	
29.399	29.405	29.406	29.411	29.419	29.419	29.412	29.409	29.407	29.295	29.419	8-9 p.m. ...	28.840    0 a.m. ...    13	
29.394	29.392	29.391	29.303	29.392	29.390	29.377	29.381	29.373	29.393	29.408	1 p.m. ...	29.373    Midnight ...    14	
29.032	28.972	28.942	28.927	28.919	28.910	28.899	28.887	28.856	29.137	29.373	0 a.m. ...	28.856    Midnight ...    15	
28.760	28.758	28.766	28.770	28.784	28.798	28.802	28.810	28.814	28.794	28.856	0 a.m. ...	28.726    1 p.m. ...    16	
28.870	28.874	28.883	28.896	28.899	28.908	28.895	28.879	28.867	28.857	28.908	9 p.m. ...	28.814    0 a.m. ...    17	
29.019	29.024	29.055	29.076	29.098	29.123	29.131	29.148	29.161	28.991	29.161	Midnight ...	28.860    1 a.m. ...    18	
29.369	29.395	29.417	29.441	29.449	29.455	29.456	29.452	29.453	29.310	29.456	10 p.m. ...	29.161    0 a.m. ...    19	
28.947	28.998	29.019	29.046	29.060	29.068	29.075	29.074	29.063	29.165	29.453	0 a.m. ...	28.947    4 p.m. ...    20	
29.269	29.255	29.248	29.260	29.258	29.227	29.210	29.189	29.162	29.197	29.275	3 p.m. ...	29.063    0 a.m. ...    21	
29.175	29.196	29.205	29.217	29.227	29.240	29.229	29.227	29.213	29.104	29.240	9 p.m. ...	28.965    7 a.m. ...    22	
29.217	29.214	29.228	29.228	29.234	29.237	29.243	29.243	29.242	29.214	29.243	10-11 p.m. ...	29.186    5 a.m. ...    23	
29.340	29.347	29.376	29.379	29.393	29.398	29.390	29.404	29.414	29.318	29.414	Midnight ...	29.235    4 a.m. ...    24	
29.359	29.341	29.329	29.324	29.319	29.282	29.244	29.191	29.130	29.351	29.414	0 a.m. ...	29.130    Midnight ...    25	
29.267	29.281	29.287	29.292	29.307	29.317	29.320	29.313	29.319	29.214	29.320	10 p.m. ...	29.042    1 a.m. ...    26	
29.323	29.315	29.301	29.290	29.290	29.284	29.268	29.262	29.250	29.326	29.369	11 a.m. ...	29.250    Midnight ...    27	
29.189	29.179	29.178	29.192	29.190	29.188	29.189	29.178	29.152	29.197	29.250	0 a.m. ...	29.152    Midnight ...    28	
29.240	29.248	29.259	29.275	29.293	29.296	29.297	29.305	29.305	29.202	29.305	11 p.m.—midn't	29.073    4 a.m. ...    29	
29.386	29.398	29.400	29.420	29.434	29.441	29.441	29.441	29.441	29.374	29.441	9 p.m.—midn't	29.305    0 a.m. ...    30	
29.576	29.587	29.591	29.609	29.612	29.617	29.619	29.630	29.636	29.544	29.636	Midnight ...	29.441    0 a.m. ...    31	
29.310	29.313	29.318	29.328	29.335	29.338	29.334	29.331	29.326	29.308	...	.....	.....	Mean.

Absolute Minimum = 28.661 on 1st at noon.

Table I.-ATMOSPHERIC PRESSURE

BAROMETER (IN INCHES). CORRECTED AND  
MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.
1	29.636	29.636	29.635	29.637	29.646	29.655	29.664	29.664	29.659	29.669	29.665	29.650	29.636	29.632	29.625
2	29.519	29.516	29.503	29.489	29.480	29.473	29.478	29.467	29.455	29.434	29.414	29.408	29.394	29.380	29.361
3	29.115	29.072	29.026	28.983	28.932	28.903	28.865	28.849	28.838	28.843	28.849	28.859	28.876	28.883	28.905
4	28.976	28.973	28.991	29.002	29.020	29.043	29.055	29.068	29.072	29.076	29.084	29.082	29.079	29.066	29.057
5	28.625	28.543	28.476	28.434	28.402	28.367	28.326	28.291	28.248	28.214	28.205	28.204	28.215	28.232	28.253
6	28.578	28.604	28.639	28.662	28.682	28.699	28.713	28.724	28.734	28.742	28.739	28.740	28.737	28.719	28.704
7	28.641	28.646	28.656	28.658	28.670	28.678	28.689	28.699	28.703	28.711	28.714	28.724	28.727	28.724	28.731
8	28.786	28.787	28.788	28.790	28.797	28.808	28.808	28.816	28.818	28.819	28.819	28.821	28.825	28.827	28.834
9	28.914	28.910	28.901	28.883	28.874	28.880	28.894	28.907	28.908	28.909	28.912	28.912	28.921	28.928	28.927
10	28.826	28.834	28.844	28.852	28.855	28.864	28.876	28.896	28.914	28.927	28.939	28.960	28.962	28.974	28.978
11	29.124	29.118	29.121	29.112	29.108	29.000	29.080	29.057	29.026	28.994	28.968	28.939	28.917	28.900	28.881
12	28.835	28.839	28.849	28.861	28.880	28.895	28.907	28.923	28.930	28.941	28.953	28.961	28.957	28.941	28.923
13	28.716	28.739	28.741	28.750	28.754	28.756	28.762	28.765	28.761	28.770	28.774	28.774	28.779	28.770	28.775
14	28.696	28.684	28.657	28.636	28.617	28.604	28.599	28.601	28.604	28.608	28.618	28.628	28.647	28.655	28.676
15	28.843	28.856	28.867	28.886	28.897	28.913	28.921	28.932	28.936	28.955	28.977	29.007	29.024	29.039	29.057
16	29.300	29.314	29.327	29.345	29.371	29.387	29.405	29.423	29.430	29.443	29.456	29.470	29.476	29.484	29.499
17	29.511	29.500	29.489	29.470	29.458	29.450	29.433	29.410	29.375	29.357	29.326	29.299	29.268	29.240	29.230
18	29.242	29.207	29.155	29.105	29.041	28.978	28.906	28.845	28.775	28.743	28.720	28.744	28.774	28.806	28.839
19	29.134	29.142	29.153	29.163	29.188	29.204	29.232	29.249	29.265	29.196	29.218	29.343	29.371	29.390	29.433
20	29.552	29.539	29.528	29.521	29.506	29.495	29.482	29.471	29.455	29.445	29.444	29.443	29.445	29.479	29.498
21	29.446	29.426	29.392	29.361	29.336	29.309	29.282	29.277	29.229	29.211	29.191	29.184	29.181	29.194	29.216
22	29.483	29.486	29.463	29.460	29.453	29.446	29.434	29.424	29.407	29.398	29.385	29.372	29.357	29.348	29.344
23	29.237	29.215	29.194	29.166	29.156	29.137	29.132	29.128	29.113	29.101	29.076	29.057	29.042	29.045	29.054
24	29.282	29.313	29.339	29.354	29.382	29.395	29.413	29.440	29.461	29.469	29.478	29.486	29.493	29.505	29.522
25	29.619	29.634	29.636	29.637	29.647	29.652	29.661	29.665	29.660	29.639	29.640	29.643	29.643	29.624	29.606
26	29.430	29.403	29.380	29.355	29.340	29.318	29.294	29.265	29.237	29.226	29.210	29.200	92.177	29.159	29.151
27	29.167	29.167	29.157	29.162	29.163	29.163	29.162	29.156	29.140	29.148	29.152	29.151	29.137	29.136	29.132
28	29.058	29.047	29.037	29.043	29.069	29.104	29.157	29.186	29.205	29.234	29.266	29.283	29.306	29.321	29.344
29	29.270	29.237	29.208	29.153	29.169	29.163	29.157	29.158	29.147	29.139	29.145	29.164	29.154	29.142	29.168
30	29.209	29.213	29.215	29.222	29.236	29.248	29.265	29.282	29.290	29.298	29.323	29.353	29.368	29.376	29.396
Mean.	29.126	29.120	29.112	29.105	29.104	29.103	29.102	29.101	29.093	29.089	29.089	29.095	29.096	29.097	29.104

Absolute Maximum = 29.669 on 1st at 10 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —HOURLY VALUES—continued.

REDUCED TO 32° FAHR M.S.L AND STANDARD GRAVITY.

NOVEMBER, 1915.

4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
29-621	29-614	29-597	29-586	29-592	29-580	29-556	29-542	29-534	29-622	29-669	10 a.m. ...	29-534
29-345	29-320	29-300	29-287	29-279	29-239	29-198	29-163	29-139	29-377	29-534	0 a.m. ...	29-139
28-924	28-942	28-952	28-967	28-978	28-989	28-993	28-990	28-990	28-939	29-139	0 a.m. ...	28-838
29-039	29-015	28-984	28-958	28-924	28-879	28-823	28-770	28-693	28-989	29-084	11 a.m. ...	28-693
28-288	28-314	28-348	28-383	28-424	28-458	28-486	28-518	28-547	28-367	28-693	0 a.m. ...	28-204
28-687	28-657	28-641	28-634	28-634	28-623	28-623	28-627	28-632	28-674	28-742	10 a.m. ...	28-547
28-732	28-734	28-745	28-763	28-767	28-772	28-774	28-778	28-781	28-717	28-781	Midnight ...	28-632
28-839	28-847	28-849	28-867	28-882	28-895	28-899	28-913	28-922	28-836	28-922	Midnight ...	28-781
28-915	28-904	28-885	28-869	28-855	28-841	28-831	28-823	28-823	28-889	28-928	2 p.m. ...	28-823
28-992	29-022	29-058	29-090	29-113	29-116	29-134	29-138	29-136	29-971	29-138	11 p.m. ...	28-823
28-866	28-862	28-861	28-858	28-857	28-849	28-835	28-835	28-839	28-962	29-136	0 a.m. ...	28-835
28-901	28-880	28-840	28-802	28-763	28-751	28-714	28-706	28-705	28-861	28-961	Noon ...	28-705
28-766	28-737	28-713	28-706	28-721	28-730	28-730	28-730	28-728	28-748	28-779	1 p.m. ...	28-705
28-691	28-717	28-727	28-745	28-762	28-789	28-800	28-816	28-830	28-684	28-830	Midnight ...	28-599
29-075	29-100	29-135	29-170	29-206	29-237	29-257	29-277	29-281	29-035	29-281	Midnight ...	28-830
29-505	29-511	29-516	29-534	29-539	29-538	29-530	29-535	29-535	29-453	29-539	8 p.m. ...	29-281
29-249	29-252	29-249	29-257	29-284	29-290	29-290	29-299	29-275	29-344	29-535	0 a.m. ...	29-230
28-877	28-916	29-954	29-005	29-051	29-075	29-084	29-098	29-122	28-961	29-275	0 a.m. ...	28-729
29-457	29-493	29-522	29-548	29-563	29-587	29-584	29-585	29-570	29-358	29-587	9 p.m. ...	29-122
29-498	29-501	29-513	29-519	29-526	29-525	29-521	29-510	29-478	29-496	29-570	0 a.m. ...	29-443
29-240	29-270	29-305	29-351	29-411	29-447	29-456	29-466	29-473	29-319	29-478	0 a.m. ...	29-181
29-329	29-324	29-316	29-317	29-318	29-313	29-301	29-289	29-264	29-376	29-486	2 a.m. ...	29-264
29-068	29-050	29-053	29-084	29-124	29-167	29-200	29-233	29-257	29-129	29-264	0 a.m. ...	29-042
29-542	29-548	29-568	29-586	29-604	29-631	29-635	29-632	29-615	29-487	29-635	10 p.m. ...	29-257
29-596	29-583	29-578	29-563	29-551	29-525	29-498	29-485	29-464	29-602	29-665	8 a.m. ...	29-464
29-155	29-154	29-167	29-168	29-174	29-180	29-181	29-173	29-164	29-236	29-464	0 a.m. ...	29-151
29-129	29-121	29-114	29-117	29-116	29-107	29-095	29-089	29-072	29-136	29-167	1-2 a.m. ...	29-072
29-357	29-364	29-366	29-366	29-370	29-364	29-371	29-347	29-321	29-245	29-371	10 p.m. ...	29-037
29-165	29-159	29-150	29-158	29-180	29-202	29-185	29-206	29-208	29-175	29-321	0 a.m. ...	29-139
29-401	29-423	29-440	29-457	29-471	29-486	29-507	29-517	29-515	29-355	29-517	11 p.m. ...	29-208
29-108	29-111	29-115	29-124	29-135	29-140	29-136	29-136	29-130	29-111	.....	.....	.....
												Mean.

Absolute Minimum = 28-204 on 5th at noon.

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**TABLE II.**

**AIR TEMPERATURE**

At 4 ft. 6 in. above the ground, and 25 feet above sea-level.

Covering periods 1st January, 1912, to 30th November, 1913, and 1st December, 1914,  
to 30th November, 1915.

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## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	...	...	...	...	...	...	...	...	48.0	47.7	47.4	48.2	48.2	48.7	47.5	48.4
2	43.8	43.9	43.9	43.8	43.6	44.0	45.0	45.8	47.4	47.6	47.6	46.4	46.0	45.6	46.5	46.4
3	47.0	47.0	47.2	47.0	47.2	47.2	47.3	47.4	47.4	47.5	48.0	49.5	48.4	47.9	47.0	47.1
4	46.0	44.4	43.5	43.7	44.0	44.0	44.7	46.9	47.2	47.2	47.1	47.0	47.5	48.8	48.3	48.3
5	46.5	46.5	45.7	45.8	46.2	45.5	46.4	46.8	47.5	46.5	47.5	48.0	47.2	46.0	46.0	47.2
6	45.3	45.3	44.8	44.3	44.6	45.2	47.0	47.2	48.9	48.0	47.8	46.0	46.0	46.5	46.2	47.0
7	44.5	44.7	45.0	45.0	46.0	46.7	46.4	47.1	46.7	47.3	48.0	48.5	48.6	49.0	48.1	47.0
8	44.6	44.3	44.5	44.2	44.4	43.3	43.5	43.7	43.5	45.6	44.8	46.0	46.5	46.6	46.0	45.7
9	44.7	45.0	45.2	45.4	46.0	46.0	46.3	47.0	48.0	49.2	50.7	50.1	51.1	50.1	49.0	49.0
10	47.8	47.8	47.9	47.9	48.0	48.1	48.2	48.1	48.2	48.0	47.6	47.4	47.0	46.8	46.4	46.3
11	45.7	45.0	44.0	44.0	44.0	44.8	45.2	45.2	45.5	46.0	45.4	48.3	47.9	48.0	47.6	47.0
12	42.2	42.0	41.0	41.2	42.6	45.5	47.0	47.2	48.2	48.0	47.1	48.0	47.2	46.3	46.3	45.7
13	43.0	41.2	42.6	42.7	42.6	42.1	44.1	44.3	43.9	45.2	43.6	45.8	45.3	44.1	45.1	39.6
14	39.8	40.4	40.3	40.8	40.8	41.4	41.6	43.5	44.0	45.0	44.5	46.5	45.5	45.6	45.5	46.3
15	43.2	43.5	43.4	44.0	45.2	42.9	43.1	47.2	46.0	44.0	43.9	45.4	45.5	45.5	45.6	43.0
16	39.0	40.4	39.6	41.5	41.3	42.5	40.5	43.4	44.0	45.2	45.2	47.1	46.2	45.8	44.3	43.5
17	43.9	44.2	44.3	44.4	44.0	43.2	43.4	44.3	45.8	46.0	45.0	44.0	45.0	43.5	43.8	43.3
18	39.3	39.0	39.0	37.2	38.2	38.2	41.3	41.3	42.5	43.7	42.0	44.5	42.6	43.0	43.5	37.7
19	41.6	41.9	40.0	40.8	41.0	40.8	41.0	42.4	43.0	43.8	45.2	45.6	46.0	41.3	39.6	39.0
20	38.9	38.9	39.0	39.0	39.0	39.0	40.0	38.5	40.5	43.0	43.0	42.0	40.0	41.0	40.0	39.0
21	37.8	37.4	38.5	38.9	40.8	41.0	40.7	42.6	43.6	44.0	44.0	43.2	43.3	42.6	41.0	41.5
22	45.4	45.1	44.8	44.9	44.9	44.9	45.2	46.9	47.0	47.5	49.4	49.3	49.4	48.8	47.0	46.3
23	43.6	43.3	43.2	43.1	42.7	43.2	44.2	45.3	44.3	45.3	46.1	45.7	46.3	44.8	44.7	44.2
24	42.0	42.3	42.3	42.1	42.3	42.7	43.0	44.7	47.0	47.0	47.6	48.1	48.6	49.7	50.0	47.6
25	44.0	44.3	44.2	44.1	44.1	44.6	45.2	45.8	48.0	48.3	48.8	48.6	49.1	48.2	48.0	47.5
26	43.0	43.0	42.7	42.7	42.7	42.6	42.5	43.0	43.5	45.0	45.5	46.0	46.0	46.4	46.0	45.7
27	42.5	42.4	42.0	41.8	41.7	41.7	41.7	42.0	43.2	43.5	45.2	47.0	46.4	47.0	46.5	46.3
28	43.2	43.1	43.2	43.2	43.5	43.9	44.5	46.0	47.0	46.5	46.0	45.8	45.8	46.0	46.5	46.0
29	44.8	43.2	43.3	43.3	43.8	44.3	44.5	45.0	47.0	46.7	46.3	46.6	46.7	46.5	46.3	46.0
30	44.8	44.7	43.4	44.0	43.2	42.5	43.0	44.5	45.0	45.0	45.0	46.0	48.0	48.5	48.1	47.1
31	44.2	44.2	44.3	44.4	44.6	45.0	44.9	44.2	44.5	44.9	45.6	46.4	46.6	46.8	47.0	46.5
Mean.	43.4	43.5	43.4	43.2	43.4	43.6	44.0	44.9	45.7	46.1	46.2	46.4	46.6	46.3	45.9	45.2

Greatest range, 11.2 on 18th. Least range, 3.3 on 10th.

## HOURLY VALUES.

DEGREES FAHRENHEIT.

JANUARY, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly Mean	Maximum.		Minimum.		Range	Date
47.8	47.0	45.9	45.4	44.7	44.1	44.2	44.0	...	50.0	3:30 p.m.	...	...	...	1
46.2	46.4	47.0	46.3	46.4	47.1	47.3	47.1	45.8	49.0	10:45 a.m.	...	43.5	4:20 a.m.	5.5
47.1	47.0	46.6	46.6	46.1	46.2	46.2	46.1	47.2	49.5	Noon	...	46.1	9 p.m. & mid't.	3.4
47.1	47.0	46.6	46.2	46.3	46.3	46.6	46.8	46.3	48.8	2 p.m.	...	43.5	3 a.m.	5.3
47.0	46.0	45.8	45.6	45.1	45.2	45.4	45.7	46.3	49.2	12:10 p.m.	...	44.3	2:15 a.m.	4.9
45.9	45.6	45.5	45.4	44.0	44.0	44.0	44.5	45.8	49.0	8:55 a.m.	...	43.9	9:5 p.m.	5.1
46.6	46.0	45.9	45.8	45.7	45.0	44.7	44.6	46.3	50.0	1:30 p.m.	...	44.5	0:1 a.m.	5.5
46.0	45.2	45.1	45.1	45.0	45.0	45.0	44.8	45.0	48.0	10:30 a.m.	...	43.3	6 a.m.	4.7
48.5	48.2	48.1	47.7	47.6	47.8	47.9	47.8	47.7	51.2	12:45 p.m.	...	44.7	1 a.m.	6.5
46.1	46.0	45.9	45.8	45.3	45.4	45.3	45.0	47.0	48.3	7:15 a.m.	...	45.0	Midnight	3.3
45.6	44.9	44.3	43.3	43.2	43.0	42.8	42.0	45.2	48.8	11:45 a.m.	...	42.0	Midnight	6.8
45.7	45.7	45.7	45.3	45.3	45.5	44.2	45.3	45.3	48.2	9 a.m.	...	40.9	2:45 a.m.	7.3
42.1	42.0	42.0	42.0	39.7	39.0	40.0	38.9	42.6	46.3	1:55 p.m.	...	37.0	10:30 a.m.	9.3
44.5	44.4	44.1	43.3	43.3	43.7	43.4	43.1	43.3	47.3	12:10 p.m.	...	38.2	1:10 a.m.	9.1
40.6	40.4	40.6	40.6	39.0	40.9	40.0	40.0	43.1	47.2	8 a.m.	...	39.0	9 p.m.	8.2
45.3	44.9	44.1	43.9	44.0	44.3	44.3	44.3	43.4	48.2	12:20 p.m.	...	37.0	2:40 a.m.	11.2
39.2	40.6	41.0	41.9	39.5	40.0	40.0	40.0	43.0	47.4	10:5 a.m.	...	39.2	5:0, 8:30 p.m.	8.2
39.0	41.0	40.9	41.0	41.1	41.4	41.4	41.4	40.8	46.0	1:30 p.m.	...	37.2	4 a.m.	8.8
39.5	39.1	37.9	38.7	38.8	38.5	39.0	38.2	41.0	46.0	1 p.m.	...	37.9	7 p.m.	8.1
38.5	37.5	39.0	38.2	36.6	38.6	37.5	38.6	39.4	45.3	9:45 a.m.	...	35.5	9:20 p.m.	9.8
41.0	41.9	42.2	42.9	43.6	44.0	45.0	45.6	41.8	45.6	Midnight	...	36.9	0:30 a.m.	8.7
45.6	45.4	45.0	43.9	44.0	44.0	44.1	44.5	46.0	49.4	11 a.m. & 1 p.m.	...	44.0	9:10-30 p.m.	5.4
43.5	43.3	43.0	43.0	42.0	42.0	42.1	42.0	43.8	46.3	1 p.m.	...	42.0	9:10 p.m. & mid't.	4.3
47.3	46.5	46.3	45.8	45.0	44.6	44.0	44.0	45.4	50.0	3 p.m.	...	42.0	0:1 a.m.	8.0
47.1	46.2	45.3	44.9	44.0	43.5	42.2	42.6	45.8	49.1	12:30-1 p.m.	...	42.0	10:30 p.m.	7.1
45.0	44.4	43.0	43.0	43.0	43.0	42.8	42.7	43.9	46.4	2 p.m.	...	42.5	7 a.m.	3.9
45.6	44.8	43.9	43.6	43.3	43.2	43.2	43.2	43.8	47.0	Noon & 2 p.m.	...	41.7	5-7 a.m.	5.3
46.0	46.0	46.0	45.3	45.4	45.5	45.2	45.1	45.2	47.0	9 a.m.	...	43.1	2 a.m.	3.9
46.0	46.0	46.0	46.3	46.6	46.0	45.6	44.8	45.5	47.0	9 a.m.	...	43.2	2 a.m.	3.8
46.1	45.5	45.3	44.8	44.6	44.5	44.5	44.3	45.1	49.0	1:30 p.m.	...	42.5	6 a.m.	6.5
46.0	45.2	45.0	45.0	44.0	44.2	44.2	44.0	45.1	48.0	2:45 p.m.	...	43.8	10:15 p.m.	4.2
44.8	44.5	44.3	44.1	43.6	43.7	43.7	43.6	44.5	48.0	.....	41.7	.....	6.3	Mean

Absolute Maximum = 51.2 at 12.45 p.m. on 9th. Absolute Minimum = 35.5 at 9.20 p.m. on 20th.

\*964—M

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	43.9	43.5	43.5	43.4	43.6	43.5	43.5	44.0	45.0	45.5	46.1	45.6	45.0	44.1	44.0	44.7
2	45.1	45.1	45.0	45.0	44.8	44.9	44.9	45.0	45.7	46.0	46.6	46.6	46.6	46.6	46.6	46.6
3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
4	41.0	41.3	41.6	41.9	42.0	42.4	42.0	41.9	41.8	41.8	41.9	42.1	42.0	43.4	44.0	44.6
5	44.4	43.8	43.9	43.8	43.9	43.8	43.5	43.5	43.0	43.2	42.0	42.5	42.5	42.0	41.6	41.5
6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.3	41.2	40.2	41.7	42.7	41.0	41.1	41.5
7	39.2	39.5	39.5	38.9	38.8	38.8	38.8	39.9	40.7	41.9	40.9	43.7	43.0	43.0	41.2	40.5
8	37.0	36.8	37.0	37.0	37.0	38.3	38.3	39.5	40.0	43.0	40.0	41.0	39.0	41.5	41.2	40.5
9	38.9	38.9	38.3	38.0	38.3	38.7	39.7	40.0	40.6	41.0	41.4	42.3	43.3	43.3	43.6	43.4
10	42.5	42.5	42.9	43.0	43.0	43.4	43.5	43.6	43.6	44.0	44.2	44.1	44.1	44.6	44.6	44.7
11	44.0	44.5	44.7	45.0	45.0	45.0	44.8	44.7	44.6	44.4	44.8	44.0	45.0	44.9	44.9	44.8
12	42.8	42.8	42.6	42.4	42.6	42.8	42.9	43.0	43.5	44.0	44.1	44.0	44.2	44.2	44.6	44.5
13	43.4	43.4	43.2	42.9	43.1	43.1	43.5	43.3	45.0	46.4	46.3	47.2	46.1	45.1	47.0	46.5
14	42.0	42.0	41.0	41.0	39.0	40.2	42.0	43.0	42.6	43.2	44.4	42.5	43.3	43.6	42.7	43.1
15	40.0	40.0	39.9	39.0	39.5	39.8	40.2	40.9	42.0	42.5	43.0	43.0	44.1	43.0	43.7	43.4
16	43.9	44.0	44.2	44.3	44.4	44.5	44.5	44.5	43.0	43.5	44.0	44.0	44.4	44.3	44.2	44.4
17	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.6	45.3	45.0	43.2	43.4	44.0	43.0	43.4	43.8
18	41.8	42.3	42.3	42.2	41.8	41.9	42.0	42.0	42.5	43.0	42.6	42.5	42.3	42.1	42.0	41.9
19	40.7	40.7	40.7	40.1	40.0	40.0	40.0	42.4	43.0	41.8	41.5	42.7	43.5	43.7	44.0	42.8
20	43.0	42.7	42.4	42.3	41.5	41.5	41.8	42.0	43.0	44.0	44.0	45.0	45.8	45.5	45.0	44.5
21	41.5	41.4	41.2	41.2	41.5	41.6	41.7	41.8	41.9	42.0	42.5	42.8	43.4	42.6	43.3	42.0
22	40.6	41.0	42.0	43.0	42.7	42.6	42.5	42.3	42.4	42.6	43.0	44.0	44.0	43.9	43.9	43.0
23	40.1	40.1	42.0	41.2	41.5	41.7	41.5	41.8	41.8	42.0	44.0	44.0	43.2	43.7	44.0	42.3
24	42.2	42.2	42.2	42.3	42.3	42.3	42.2	42.2	43.0	43.3	44.2	43.9	44.0	43.9	43.8	43.8
25	44.4	44.6	44.7	44.6	44.6	44.6	44.6	44.6	44.9	44.8	44.8	44.7	44.7	44.7	44.5	44.5
26	43.7	43.7	43.7	43.4	43.5	43.5	43.5	44.0	44.5	45.0	45.1	44.0	44.7	46.6	44.9	44.9
27	44.0	44.2	44.3	44.3	44.2	44.1	44.1	44.1	44.5	44.8	45.0	45.1	45.3	45.2	45.0	45.0
28	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.5
29	43.2	43.4	43.5	43.5	43.1	43.2	43.4	44.3	45.4	46.0	44.6	46.5	44.8	46.0	46.2	45.0
Mean.	42.4	42.4	42.4	42.4	42.3	42.5	42.6	42.9	43.2	43.6	43.6	44.0	44.0	44.0	44.0	43.8

Greatest range, 8.3 on 8th. Least range, 1.2 on 25th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

FEBRUARY, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
45.0	45.0	45.1	45.1	45.1	45.1	45.5	45.4	44.6	46.3	11.30 a.m. ...	43.0	6.15 a.m. ...
46.6	46.6	46.5	45.5	45.0	44.5	44.4	44.3	45.6	47.0	11.15 a.m. ...	44.3	Midnight ...
44.3	44.3	44.3	44.2	42.5	41.2	41.2	41.0	43.9	44.3	0 a.m.—7 p.m. ...	40.8	10.15 p.m. ...
44.6	44.8	45.3	45.6	45.6	45.5	45.2	44.7	43.2	46.0	7.20 p.m. ...	41.0	0-1 a.m. ...
41.0	40.6	40.6	40.1	40.6	40.6	40.6	39.9	42.3	44.7	0 a.m. ...	39.8	11.45 p.m. ...
41.5	40.1	41.1	40.8	40.8	40.6	40.5	40.2	40.6	44.0	1.30 p.m. ...	38.8	5.30 p.m. ...
41.5	39.2	38.0	37.0	37.8	36.0	36.0	36.9	39.7	43.7	Noon ...	36.0	10-11 p.m. ...
39.5	40.2	40.0	39.5	39.8	39.0	38.6	38.6	39.2	43.0	10 a.m. ...	35.3	1.30 a.m. ...
42.9	41.4	41.7	40.5	41.5	41.7	42.0	41.9	40.9	45.5	2.30 p.m. ...	38.0	4 a.m. ...
44.6	44.3	44.0	43.9	43.8	43.9	44.0	44.1	43.7	44.9	2.30 p.m. ...	41.9	0 a.m. ...
44.5	44.0	43.6	43.3	42.9	43.0	43.1	42.8	44.3	45.6	3.30 p.m. ...	42.8	Midnight ...
45.4	45.0	44.0	44.0	44.0	43.7	43.6	43.8	43.7	45.4	5 p.m. ...	42.4	4 a.m. ...
45.7	44.5	44.0	43.5	43.4	43.2	43.1	42.5	44.4	47.3	12.45 p.m. ...	41.7	11.30 p.m. ...
42.8	42.4	41.5	40.4	39.5	38.8	38.8	40.0	41.8	45.0	10.55 a.m. ...	38.7	7.15 a.m. ...
43.2	43.0	43.1	43.1	43.2	43.4	43.5	43.7	42.1	44.1	1 p.m. ...	39.0	4 a.m. ...
44.3	44.2	44.2	44.4	44.5	45.0	45.0	44.2	45.0	45.0	11-midnight ...	43.0	9 a.m. ...
43.9	43.5	42.5	42.2	42.2	42.1	41.6	41.9	43.9	46.0	8.10 a.m. ...	41.6	11 p.m. ...
41.9	41.8	41.4	41.2	41.0	40.8	40.8	40.7	41.9	43.5	10.45 a.m. ...	40.7	Midnight ...
42.7	42.5	42.3	42.6	43.0	43.7	43.6	43.3	42.1	45.1	11.30 p.m. ...	40.0	5-7 a.m. ...
44.0	43.0	42.9	42.2	42.0	41.8	41.7	41.6	43.1	46.8	1.45 p.m. ...	41.1	4.40 a.m. ...
42.0	41.7	41.4	41.2	41.0	41.0	41.2	40.7	41.8	43.7	12.45 p.m. ...	40.6	1.10 p.m. ...
43.9	42.0	41.7	41.2	40.6	40.6	40.8	40.1	42.8	45.0	11.30 p.m. ...	40.1	Midnight ...
42.0	42.0	41.8	41.8	41.9	42.2	42.1	42.0	42.0	45.2	1.30 p.m. ...	40.1	0-2 a.m. ...
43.8	43.8	44.0	44.1	44.0	44.0	44.5	44.8	43.3	44.9	1.30 p.m. ...	42.2	0-3, 6-8 a.m. ...
44.5	44.0	43.8	43.7	43.7	43.7	43.7	43.7	44.4	44.9	9 a.m. ...	43.7	8 p.m.—mid't. ...
44.4	44.1	44.1	44.1	44.1	44.1	44.0	44.0	44.3	47.5	1.15 p.m. ...	43.4	4 a.m. ...
45.0	45.0	45.0	45.5	46.0	46.0	46.0	46.0	44.9	46.2	11.10 p.m. ...	44.0	0-1 a.m. ...
42.5	43.0	42.6	43.0	43.1	43.0	43.4	43.4	45.1	47.3	3.30 p.m. ...	42.5	5.15 p.m. ...
43.9	43.9	43.5	43.3	43.3	42.9	42.2	42.0	44.1	46.7	2.50 p.m. ...	39.7	6.15, 7.45 p.m. ...
43.5	43.1	42.9	42.6	42.6	42.4	42.4	42.2	43.0	45.3	.....	41.0	.....
											4.3	Mean.

Absolute Maximum = 47.5 at 1.15 p.m. on 26th. Absolute Minimum = 35.3 at 1.30 a.m. on 8th.

Table II.-AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	42.0	40.7	41.0	41.0	41.4	40.8	41.0	41.5	42.0	44.0	44.0	44.5	45.0	45.1	44.9	44.9
2	42.0	42.2	42.0	42.3	42.6	42.6	42.6	43.1	43.6	44.1	44.1	44.7	45.0	45.3	46.2	45.3
3	43.8	43.8	43.8	43.8	43.7	43.6	43.7	42.2	44.9	45.4	45.4	45.8	45.2	45.1	45.2	45.0
4	43.8	43.8	43.8	43.8	43.7	43.6	43.6	43.7	44.3	44.3	44.5	45.7	46.2	46.0	45.6	45.6
5	42.5	42.5	42.5	42.5	42.6	42.7	43.0	43.3	43.5	44.2	44.2	44.3	44.3	44.1	44.0	
6	41.2	41.3	41.4	41.7	41.0	38.5	37.5	39.0	40.9	42.5	42.0	42.0	43.5	43.0	41.6	41.6
7	40.8	40.3	40.3	40.6	40.7	41.3	41.5	42.0	42.7	42.7	44.0	43.9	43.8	43.7	43.6	
8	43.0	43.0	43.0	43.0	42.4	42.0	41.8	41.8	41.6	41.3	41.3	41.0	41.0	40.8	41.1	
9	39.1	39.1	39.0	39.3	39.8	39.9	39.5	39.0	38.8	38.7	38.7	38.2	38.0	37.5	38.4	38.3
10	38.7	38.4	38.8	38.8	40.2	41.3	41.7	42.2	42.7	43.5	43.0	45.8	45.7	45.1	44.6	44.6
11	44.0	44.0	43.7	43.7	43.6	43.5	43.6	43.7	43.7	43.7	43.1	43.2	43.3	43.2	44.4	44.1
12	38.0	38.2	40.0	40.2	39.1	40.0	39.2	40.1	40.3	40.2	42.2	41.5	41.3	41.2	40.0	39.7
13	40.2	40.1	39.0	39.2	39.7	39.7	40.0	40.9	41.3	40.4	39.0	41.5	41.0	41.0	41.4	41.5
14	41.3	41.9	41.0	41.6	41.8	41.9	41.5	42.3	43.0	42.4	44.1	42.3	42.5	42.6	42.2	42.8
15	41.3	40.4	40.0	40.2	40.0	39.9	40.5	42.0	40.0	40.0	44.0	45.0	45.5	46.0	44.1	43.3
16	40.6	41.0	41.0	41.5	41.6	41.7	42.5	43.2	43.7	43.8	44.3	44.2	44.2	44.2	44.2	
17	41.5	42.0	41.0	39.5	40.8	40.0	41.0	40.0	41.0	43.0	44.0	43.9	44.0	43.8	43.5	43.0
18	41.2	41.1	41.0	41.1	41.8	42.1	42.5	42.5	44.0	44.0	44.0	45.0	44.7	44.8	44.3	44.3
19	43.8	43.9	44.0	42.0	42.0	42.2	42.7	42.5	43.0	44.0	43.0	43.0	44.2	43.0	43.8	44.0
20	43.2	41.2	42.8	42.8	42.2	42.8	43.1	43.5	43.8	44.0	44.0	44.2	44.0	44.0	44.2	44.5
21	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	42.1	41.1	43.8	41.0	42.0	42.0	41.0	41.8
22	36.2	36.9	37.2	35.7	36.8	35.8	35.7	37.0	36.7	38.0	39.0	40.0	39.5	39.6	39.5	39.0
23	40.7	40.5	40.1	40.4	41.0	40.4	40.3	41.0	41.3	41.0	42.5	42.6	42.5	43.0	43.0	42.3
24	40.8	40.8	41.0	41.4	41.4	41.3	41.8	41.2	40.0	40.0	40.0	39.8	40.6	38.0	38.7	38.7
25	38.7	38.3	38.9	37.0	37.0	37.0	37.4	37.4	37.4	37.5	37.8	38.3	38.4	39.0	39.0	39.0
26	38.6	38.6	38.6	38.7	38.8	39.0	39.0	39.5	40.0	40.6	42.4	41.2	42.0	42.0	42.1	42.0
27	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.2	42.6	42.8	43.0	43.0	43.0	43.0	43.0	
28	42.0	42.0	42.0	42.0	42.0	42.0	42.5	42.7	42.8	43.0	43.2	43.0	42.7	43.3	43.0	43.0
29	42.4	42.4	42.5	42.7	42.8	42.9	43.0	43.0	43.0	43.0	43.1	43.2	43.5	43.4	43.4	43.5
30	41.8	41.7	41.3	41.0	41.1	41.3	41.0	41.1	41.5	41.8	41.0	42.0	42.8	43.4	43.5	42.5
31	43.2	43.7	43.8	44.0	44.0	44.2	44.3	44.4	44.5	44.8	45.0	44.0	44.9	44.8	44.7	44.0
Mean.	41.2	41.2	41.2	41.2	41.4	41.3	41.4	41.7	42.0	42.3	42.5	42.9	43.0	42.9	42.8	42.7

Greatest range, 9.0 on 21st. Least range, 1.1 on 27th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

MARCH, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
44.4	43.0	43.0	43.0	42.8	40.8	41.7	41.0	42.7	45.8	11.10 a.m.	... 40.7	2 a.m. ... 5.1 1
45.1	44.3	43.8	43.6	43.8	43.8	43.8	43.8	43.7	46.9	2.15 p.m.	... 41.0	0 a.m. ... 5.9 2
45.1	45.3	45.4	45.4	45.4	45.0	44.5	44.0	44.6	45.9	11.30 a.m.	... 42.2	8 a.m. ... 3.7 3
45.6	44.6	43.0	41.8	41.8	41.6	41.7	42.0	44.0	46.5	12.30 p.m.	... 41.5	9.15 p.m. ... 5.0 4
44.0	43.6	43.5	43.0	42.5	42.0	41.2	41.2	43.2	44.3	1.2 p.m.	... 41.2	11 p.m.—midn't. 3.1 5
42.4	41.2	41.2	41.0	41.4	41.4	41.4	41.2	41.2	43.9	1.50 p.m.	... 37.2	6.40 a.m. ... 6.7 6
43.6	43.6	43.5	43.5	43.0	43.0	43.0	43.0	42.6	44.3	11.30 a.m.	... 40.2	1.45 a.m. ... 4.1 7
41.2	41.4	41.0	40.3	39.6	39.4	39.3	39.1	41.4	43.0	0.4 a.m.	... 39.1	Midnight ... 3.9 8
38.3	38.3	38.2	38.0	38.1	38.2	38.2	38.5	38.6	40.0	5.30 a.m.	... 37.4	1.55 p.m. ... 2.6 9
44.6	44.5	44.4	44.4	44.2	44.0	44.0	44.0	42.8	45.8	Noon	... 38.4	2 a.m. ... 7.1 10
44.1	44.1	44.1	44.1	44.5	44.3	42.0	39.0	43.6	44.5	9 p.m.	... 39.0	Midnight ... 5.5 11
37.0	37.6	37.0	38.8	38.8	40.0	39.2	40.0	39.5	42.8	11.30 a.m., 12.30 p.m.	... 36.2	5.30 p.m. ... 6.6 12
41.6	41.3	41.4	41.7	41.8	42.1	42.2	40.5	40.8	42.2	11 p.m.	... 37.8	3.30 a.m. ... 4.4 13
42.8	42.0	42.0	41.8	41.8	41.1	41.3	41.6	42.0	44.1	11 a.m.	... 39.3	6.15 a.m. ... 4.8 14
41.8	41.0	40.6	40.2	40.4	40.3	40.2	40.3	41.6	46.0	12.30 p.m., 2.0 p.m.	39.7	7.30 a.m., 9.30 a.m. 6.3 15
44.2	42.0	41.8	41.8	41.8	41.9	42.0	42.0	42.7	44.3	11 a.m.	... 40.3	0 a.m. ... 3.9 16
43.0	40.0	41.0	41.8	41.5	41.6	41.0	41.5	41.8	44.7	12.30 p.m.	... 39.0	8.10 a.m. ... 5.7 17
44.1	44.0	44.0	44.0	44.0	44.0	44.0	43.9	43.3	45.8	12.30 p.m.	... 40.4	3.45 a.m. ... 5.4 18
43.0	42.3	42.3	42.3	42.8	42.8	42.9	43.0	43.0	44.7	10.45 a.m.	... 41.8	9.15 a.m., 11.15 a.m., 11.45 a.m. 2.9 19
44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.7	43.7	44.7	Midnight	... 41.2	2 a.m. ... 3.5 20
41.0	40.0	40.0	36.0	37.2	36.6	37.5	37.0	41.8	45.0	3.8 a.m.	... 36.0	8 p.m. ... 9.0 21
39.2	39.1	40.2	40.4	40.3	39.8	40.4	40.3	38.4	40.7	11.45 p.m.	... 35.7	4 a.m., 7 a.m. 5.0 22
41.9	41.5	41.8	42.0	42.0	41.9	41.0	40.8	41.5	43.2	2.10 p.m.	... 39.3	8.30 a.m. ... 3.9 23
35.3	36.9	36.4	36.3	36.7	36.8	36.9	36.8	39.1	42.0	1.10 p.m.	... 35.3	5 p.m. ... 6.7 24
39.0	39.0	38.8	38.8	38.6	38.6	38.6	38.6	38.0	39.0	2.6 p.m.	... 37.0	4.6 a.m. ... 2.0 25
41.9	41.8	41.9	41.9	41.9	42.0	42.0	42.0	40.7	42.7	11.15 a.m.	... 38.6	0.3 a.m. ... 4.1 26
43.0	42.6	42.5	42.4	42.3	42.3	42.0	42.0	42.5	43.1	2.30 p.m.	... 42.0	0.6 a.m. ... 1.1 27
42.8	42.4	42.3	42.3	42.3	42.3	42.4	42.4	42.5	43.7	11.30 a.m.	... 42.0	0.6 a.m. ... 1.7 28
43.5	42.5	41.8	41.7	41.5	41.5	41.7	41.7	42.6	43.5	1 p.m., 4.5 p.m.	41.2	9.15 p.m. ... 2.3 29
42.3	42.1	42.1	42.2	42.3	42.6	42.7	42.0	42.1	43.6	2.15 p.m.	41.0	4 a.m., 7 a.m. 3.6 30
43.6	42.8	42.7	42.7	42.7	42.7	42.7	42.7	43.8	45.0	11 a.m.	42.7	7 p.m.—midn't. 2.3 31
42.4	41.8	41.8	41.6	41.7	41.6	41.5	41.5	41.9	43.9	.....	39.5	..... 4.4 Mean.

Absolute Maximum = 46.9 at 2.15 p.m. on 2nd. Absolute Minimum = 35.3 at 5 p.m. on 24th.

Table II.-AIR TEMPERATURE

STATED IN

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	42.7	42.7	41.0	41.0	41.3	41.2	40.6	40.3	40.5	40.5	40.9	42.1	42.0	43.3	43.7	43.2
2	42.9	42.5	42.3	42.4	42.5	42.8	43.1	43.3	43.3	43.1	43.6	44.2	44.8	45.0	44.7	44.7
3	43.2	42.5	42.4	42.6	42.8	43.0	43.0	43.2	44.0	43.8	45.3	45.0	45.0	45.2	45.3	44.4
4	42.8	42.7	42.0	41.7	41.7	40.6	40.9	41.2	42.0	42.7	43.0	43.0	43.0	42.8	42.2	42.2
5	44.5	44.8	45.5	46.7	46.9	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.2	46.4	46.6
6	46.8	46.9	46.9	47.0	46.8	46.7	46.8	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.4	47.2
7	45.1	45.6	45.3	45.0	45.0	45.2	46.1	45.9	46.0	45.0	44.7	43.5	42.9	42.6	42.2	42.0
8	39.3	39.3	39.3	39.4	39.5	40.3	40.5	40.7	41.0	42.0	40.2	40.7	40.6	41.9	40.3	39.0
9	35.9	36.1	36.0	36.0	37.0	37.0	38.0	38.3	39.5	39.7	39.8	41.0	40.5	39.8	38.6	39.6
10	39.0	38.5	38.4	38.0	37.9	37.7	37.7	37.8	38.4	38.0	39.8	39.9	41.0	42.4	42.7	43.0
11	43.0	43.2	43.3	43.4	43.5	43.8	43.9	44.2	44.3	44.3	44.4	44.6	44.5	43.4	43.4	43.4
12	44.0	43.4	43.3	43.2	44.2	44.8	44.5	44.9	44.0	44.2	45.0	43.0	42.0	41.9	41.8	39.0
13	35.0	34.1	35.1	35.0	33.0	33.4	34.2	35.0	36.0	37.0	38.0	38.5	39.0	39.0	39.0	39.7
14	43.2	43.1	43.3	42.5	42.7	40.4	40.7	42.5	42.0	42.4	41.8	43.2	43.1	42.0	42.5	42.3
15	42.3	42.3	42.4	42.5	43.0	43.0	42.8	42.6	42.5	42.0	41.6	41.6	42.5	41.2	41.0	41.0
16	38.4	38.0	37.8	37.8	37.7	38.0	38.2	39.0	40.0	40.8	41.5	42.0	42.5	42.6	42.6	42.7
17	42.4	42.5	42.4	42.0	42.0	42.1	42.2	42.4	42.4	43.0	43.0	43.0	43.0	43.0	43.0	42.9
18	43.1	43.5	43.6	43.5	43.5	43.9	44.3	44.5	44.7	44.9	45.0	45.1	45.2	45.3	45.7	45.3
19	40.3	39.8	39.9	40.4	40.7	41.3	41.0	40.9	41.8	42.1	42.0	42.3	42.5	42.5	42.0	42.0
20	43.0	43.0	43.2	43.4	43.4	43.2	43.2	43.2	42.7	42.4	43.6	43.8	40.8	40.9	41.0	41.3
21	41.0	41.1	40.2	39.0	40.1	38.1	40.5	35.8	38.3	37.8	37.2	38.6	37.3	38.0	38.0	38.1
22	36.5	36.5	37.0	41.0	41.0	40.3	40.2	41.0	40.0	40.0	40.7	41.0	41.8	41.9	41.7	41.6
23	39.8	39.5	39.4	39.5	39.0	39.5	39.0	40.0	37.7	38.0	37.0	37.0	36.0	35.8	35.7	35.6
24	38.0	38.0	38.5	39.5	39.5	39.8	40.7	40.9	41.0	41.0	41.5	42.0	42.6	42.8	43.0	43.3
25	39.3	39.0	39.3	39.0	36.7	37.0	36.7	37.6	38.0	37.8	40.4	36.8	37.3	36.6	34.9	35.0
26	35.0	35.0	35.3	35.3	35.6	36.0	36.1	36.7	37.8	38.5	38.8	39.0	38.9	40.0	40.8	41.6
27	37.6	37.5	37.0	36.5	36.6	35.2	35.3	34.7	35.6	36.6	37.2	37.9	36.3	37.4	38.0	38.1
28	38.0	38.2	38.2	38.4	38.7	39.7	40.0	39.0	39.7	39.8	40.8	40.9	41.3	41.8	40.0	39.0
29	36.4	36.9	36.7	37.0	36.7	36.8	37.4	37.7	37.6	39.0	39.0	39.0	38.8	39.4	38.4	38.6
30	38.6	38.0	38.2	37.8	36.9	37.5	38.0	38.0	37.9	37.5	37.7	37.9	38.0	38.5	38.3	37.7
Mean.	40.6	40.5	40.4	40.6	40.5	40.5	40.7	41.2	41.1	41.2	41.6	41.7	41.6	41.7	41.5	41.4

Greatest range, 10.3 on 13th. Least range, 1.1 on 17th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

APRIL, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum.	Minimum.	Range	Date
42.5	42.5	42.7	42.8	43.1	43.1	43.1	43.1	42.1	44.0	12.30 p.m.	... 40.3	8 a.m. ... 3.7 1
44.1	44.1	44.0	44.0	44.0	44.0	43.9	43.2	43.6	45.0	2 p.m. ...	42.3	3 a.m. ... 2.7 2
44.1	44.0	43.8	43.8	43.7	43.5	43.0	42.9	43.7	45.6	2.30 p.m. ...	42.4	3 a.m. ... 2.2 3
42.2	42.4	43.1	43.8	43.8	43.8	44.0	44.1	42.5	44.1	Midnight ...	40.6	6 a.m. ... 3.5 4
46.5	46.6	46.7	46.7	46.7	46.8	46.9	46.9	46.2	47.0	11.30 p.m. ...	44.1	0 a.m. ... 6.9 5
46.0	46.0	45.8	45.7	45.6	45.4	45.1	45.1	46.5	47.8	2.30 p.m. ...	45.0	11.30 p.m. ... 2.8 6
41.5	40.7	40.8	40.5	40.0	39.8	39.7	39.3	43.2	46.1	7 a.m. ...	39.3	Midnight ... 6.8 7
40.0	38.0	37.4	37.0	36.0	35.7	35.7	35.8	39.2	42.4	2.30 p.m. ...	35.0	10.30 p.m. ... 7.4 8
40.2	39.8	40.6	40.1	39.9	39.6	39.5	39.4	38.7	41.0	Noon ...	35.2	2.30 a.m. ... 5.8 9
43.0	43.0	43.0	43.0	43.2	43.1	43.0	43.0	40.5	43.2	9 p.m. ...	37.7	6-7 a.m. ... 5.5 10
42.8	42.6	42.7	42.9	43.0	43.9	44.0	44.0	43.6	44.6	Noon ...	42.6	6 p.m. ... 4.0 11
39.2	39.0	38.0	38.5	38.4	36.7	36.0	36.0	41.6	45.0	11 a.m. ...	36.0	11 p.m.—midn't. ... 9.0 12
39.0	39.8	41.2	42.3	42.7	42.8	43.0	43.0	38.0	43.0	11 p.m.—midn't. ...	32.7	5.15 a.m. ... 10.3 13
42.3	41.9	41.8	41.2	41.4	41.5	42.0	42.0	42.2	43.7	12.15 p.m. ...	37.4	5.45 a.m. ... 6.3 14
40.9	40.9	40.2	40.0	39.8	39.0	38.5	38.6	41.4	43.0	5-6 a.m. ...	38.4	11.30 p.m. ... 4.6 15
42.8	42.7	42.7	42.7	42.8	43.0	42.8	42.4	40.8	43.0	10 p.m. ...	37.6	4.45 a.m. ... 5.4 16
42.8	42.8	42.7	42.3	42.2	42.2	42.4	42.5	42.5	43.1	1.30 p.m. ...	42.0	4.5 a.m. ... 1.1 17
44.8	44.0	43.0	42.4	42.0	42.0	40.3	41.0	43.8	46.0	3.15 p.m. ...	40.3	11 p.m. ... 5.7 18
42.9	42.5	42.5	42.9	42.8	43.0	43.0	43.0	41.9	43.0	10 p.m.—midn't. ...	38.8	1.30 a.m. ... 4.2 19
41.4	41.0	41.1	40.0	39.0	39.0	38.8	40.9	41.9	44.0	12.30 p.m. ...	38.8	11 p.m. ... 5.2 20
36.0	37.7	37.1	37.0	37.6	38.2	37.8	37.5	38.3	41.1	2-2.30 a.m. ...	34.9	8.15 a.m. ... 6.2 21
41.5	41.3	42.0	42.0	42.3	40.8	41.0	39.3	40.5	42.4	2.15 p.m. ...	36.5	1-2 a.m. ... 5.9 22
35.6	35.6	36.2	35.5	36.0	36.9	36.5	37.0	37.5	40.7	5.45 a.m. ...	35.1	5.45 p.m. ... 5.6 23
40.6	40.2	40.5	40.2	40.2	40.7	39.6	39.1	40.5	43.4	5.15 p.m. ...	36.1	1.15 a.m. ... 7.3 24
35.3	35.3	35.0	35.0	35.1	35.1	35.0	35.0	36.8	40.4	11 a.m. ...	34.9	3 a.m. ... 5.5 25
41.1	40.9	40.3	39.5	39.0	38.9	38.2	37.6	38.1	42.4	4.15 p.m. ...	35.0	0-2 a.m. ... 7.4 26
37.9	37.4	37.8	37.8	37.8	38.0	38.1	38.1	37.1	38.3	2.15 p.m. ...	34.7	8 a.m. ... 3.6 27
38.5	38.2	38.0	37.8	37.0	36.8	37.0	37.0	38.9	42.4	2.30 p.m. ...	36.8	10 p.m. ... 5.6 28
38.3	38.2	38.2	38.8	39.3	39.8	39.9	39.8	38.2	40.0	10.45 a.m. ...	36.4	1 a.m. ... 3.6 29
37.0	36.0	35.6	35.4	35.4	35.4	35.4	35.4	37.3	39.8	0 a.m. ...	35.4	8 p.m.—midn't. ... 4.4 30
41.0	40.8	40.8	40.7	40.7	40.6	40.4	40.4	40.9	43.2	.....	38.1	..... 5.1 Mean.

Absolute Maximum = 47.8 at 2.30 p.m. on 6th.

Absolute Minimum = 32.7 at 5.15 a.m. on 13th.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	35.5	35.6	35.7	35.0	36.2	36.4	36.6	36.9	37.0	36.9	39.2	41.0	42.1	42.0	41.0	41.1
2	41.2	40.0	39.9	39.9	39.0	38.5	39.2	39.0	39.3	39.1	37.2	39.0	39.1	39.0	38.0	38.0
3	43.2	43.3	43.5	43.7	43.7	43.6	43.6	43.7	43.7	43.6	43.6	43.7	43.6	43.6	43.4	43.0
4	41.7	39.6	38.6	36.1	35.3	34.6	33.7	33.7	35.0	35.8	36.8	38.0	37.0	38.5	38.5	38.5
5	41.1	41.2	41.5	40.5	38.9	39.0	38.2	39.8	39.6	40.3	40.4	40.0	40.1	40.7	40.5	40.6
6	40.5	40.8	41.4	41.6	41.8	41.8	42.1	42.5	42.6	43.2	43.4	43.4	43.4	43.4	43.3	43.1
7	43.2	43.5	43.6	43.8	43.8	43.8	43.9	43.2	43.2	44.0	44.1	44.5	44.5	44.5	44.0	43.5
8	42.5	42.5	42.6	42.8	42.8	42.9	43.0	43.2	43.0	43.2	43.1	43.0	42.9	43.0	42.8	42.7
9	41.1	41.1	41.4	42.0	42.2	42.4	42.5	42.8	42.8	43.1	43.2	43.2	43.5	43.4	41.2	40.8
10	41.8	41.9	42.2	42.4	42.0	42.0	42.9	42.0	43.0	43.1	43.2	43.1	43.2	43.1	43.1	43.5
11	42.8	42.6	42.7	42.8	42.8	42.8	42.5	42.4	42.4	42.7	42.9	43.0	42.9	42.2	42.0	42.3
12	42.7	42.0	41.9	42.0	42.1	42.6	43.0	42.0	43.0	42.2	42.5	42.0	41.9	41.6	41.2	41.0
13	41.7	41.6	41.6	41.5	41.7	42.0	42.1	42.3	42.3	42.0	42.0	42.2	42.3	42.1	42.7	42.3
14	42.4	42.3	42.3	42.2	42.1	42.0	41.9	41.8	41.9	42.0	42.0	42.0	42.2	41.9	41.9	41.6
15	43.0	43.1	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.2	43.2	43.1	43.2	43.0
16	39.7	39.4	43.1	43.5	43.5	43.4	43.4	44.0	44.0	44.0	44.0	44.3	42.4	42.3	42.0	39.5
17	32.9	32.3	33.0	33.6	33.3	33.6	33.3	34.0	34.8	35.5	35.8	37.0	36.0	36.5	37.0	38.5
18	41.3	41.3	41.4	41.7	42.0	42.7	42.3	42.6	42.8	43.3	43.8	43.8	44.0	44.3	44.0	43.7
19	40.2	41.7	41.5	41.7	41.3	41.6	41.6	40.0	39.0	38.4	38.8	38.0	39.5	39.1	39.0	39.5
20	39.7	40.2	40.7	40.8	41.3	40.7	41.7	42.0	42.3	42.5	42.7	42.7	42.6	42.8	42.5	42.5
21	36.0	36.7	36.6	36.7	34.6	35.7	36.3	36.0	35.8	33.0	35.0	36.8	34.0	34.0	34.0	32.2
22	30.0	29.0	29.2	28.7	29.0	30.5	30.5	30.5	33.0	33.7	35.4	36.3	35.5	36.3	37.0	36.8
23	40.8	41.0	41.0	41.2	41.1	41.3	41.6	41.8	41.8	41.8	41.6	41.6	41.6	41.2	41.0	41.2
24	42.0	42.6	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	42.8	42.7	42.6
25	34.0	35.0	34.7	35.0	34.0	32.0	32.5	31.5	32.0	32.7	32.8	32.7	32.0	32.1	32.0	31.8
26	33.9	34.1	35.3	35.0	37.1	37.0	38.5	39.1	40.2	41.0	41.2	41.6	41.5	41.2	40.8	40.8
27	40.2	41.0	41.3	41.7	41.6	41.5	41.4	41.4	41.6	42.0	42.0	42.0	42.1	42.1	42.0	42.0
28	39.7	39.6	39.6	39.7	39.6	39.5	39.2	39.3	39.8	39.8	39.8	40.0	39.7	39.0	39.0	39.0
29	36.9	36.2	34.4	33.9	33.8	34.4	35.0	35.3	36.1	36.4	36.7	36.9	36.9	36.8	37.0	36.5
30	35.7	35.2	36.0	36.0	35.3	35.5	35.7	36.5	36.9	36.7	38.3	37.7	37.9	38.0	38.0	38.3
31	39.5	39.6	39.7	39.8	39.8	39.8	39.8	39.8	39.8	40.0	40.2	40.0	40.3	40.0	39.7	39.8
Mean.	39.6	39.6	39.8	39.8	39.7	39.7	39.8	39.9	40.2	40.3	40.6	40.8	40.7	40.7	40.5	40.3

Grea'test range, 13.0 on 22nd.

Least range, 1.1 on 31st.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

MAY, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
41.1	41.2	41.2	41.1	41.3	41.3	41.1	41.0	39.0	42.1	1 p.m.	... 35.3	0.15 a.m. ... 6.8 1
39.4	39.9	39.5	40.2	40.2	40.5	42.0	43.1	39.6	43.1	Midnight	... 37.2	6.30 a.m., 11 a.m. ... 5.9 2
43.3	43.5	43.7	43.8	43.7	42.0	42.4	42.4	43.4	44.0	9.15 p.m.	... 41.8	10.15 p.m. ... 2.2 3
39.1	39.2	39.6	39.8	40.0	40.1	40.4	41.0	38.0	42.4	0 a.m.	... 33.7	7.8 a.m. ... 8.7 4
40.1	40.5	40.5	40.9	40.7	41.0	40.6	40.2	40.3	41.5	3 a.m.	... 38.0	6.40 a.m. ... 3.5 5
43.0	43.2	43.4	43.6	43.7	43.6	43.4	43.3	42.7	43.9	9.15 p.m.	... 40.2	0 a.m. ... 1.7 6
43.0	43.0	42.9	42.4	42.1	42.4	42.6	42.7	43.4	44.6	12.30 p.m.	... 42.1	9 p.m. ... 2.5 7
42.7	42.4	42.3	42.3	42.5	42.5	41.7	41.1	42.7	43.3	8.30 a.m.	... 41.1	Midnight ... 2.2 8
39.9	39.9	39.3	39.5	40.0	40.2	40.5	41.2	41.6	43.5	1 p.m.	... 39.3	7 p.m. ... 4.2 9
43.6	43.7	43.5	43.4	43.4	43.3	43.0	43.0	43.0	43.7	6 p.m.	... 41.2	0 a.m. ... 2.5 10
42.5	42.6	42.5	42.4	42.6	42.9	43.5	43.1	42.7	43.5	11 p.m.	... 42.0	3 p.m. ... 1.5 11
41.3	41.2	41.1	41.1	40.9	41.0	41.4	41.9	41.9	43.1	0 a.m.	... 40.8	10.30 p.m. ... 2.3 12
42.7	42.6	43.0	42.7	42.8	42.5	42.7	42.5	42.2	43.0	7 p.m.	... 41.4	0 a.m. ... 1.6 13
41.4	41.6	42.0	42.2	42.7	42.9	42.9	43.0	42.1	43.0	Midnight	... 41.4	5 p.m. ... 1.6 14
42.8	42.2	42.1	42.0	41.7	41.7	41.0	39.8	42.8	43.3	6-11 a.m.	... 39.8	Midnight ... 3.5 15
40.2	41.4	41.1	41.2	40.3	37.5	35.5	31.9	41.5	44.3	Noon	... 31.9	Midnight ... 2.4 16
38.5	39.2	40.1	40.3	40.5	40.8	41.0	41.2	36.4	41.2	Midnight	... 31.2	3.15 a.m. ... 10.0 17
43.0	42.9	42.9	42.8	42.8	42.8	38.0	42.7	44.7	44.7	1.45 p.m.	... 38.0	Midnight ... 6.7 18
37.6	37.7	38.0	38.7	39.1	39.5	39.6	39.5	39.6	42.0	2.15 a.m.	... 36.0	5.30 p.m. ... 6.0 19
42.5	42.5	42.5	42.4	42.3	39.5	38.5	35.2	41.5	42.8	2 p.m.	... 35.2	Midnight ... 7.6 20
32.0	32.0	31.1	31.2	30.7	30.7	29.9	29.8	33.9	37.3	12.30 p.m.	... 29.8	Midnight ... 7.5 21
37.2	37.2	38.8	39.2	39.5	39.5	40.0	40.8	34.6	40.8	Midnight	... 27.8	2.15 a.m. ... 13.0 22
41.4	41.8	41.9	41.8	41.8	41.8	41.9	42.0	41.5	42.0	Midnight	... 40.8	0.1 a.m. ... 1.2 23
42.0	41.8	41.6	41.2	39.0	36.5	34.6	34.5	41.7	43.5	9.45 a.m.	... 34.5	Midnight ... 9.0 24
31.0	31.7	31.9	32.0	32.3	32.3	33.0	33.3	32.7	35.2	2.10 a.m.	... 31.5	8 a.m. ... 3.7 25
40.8	40.9	40.8	40.8	40.7	39.6	39.6	40.2	39.2	41.7	11.30 a.m.	... 33.3	0 a.m. ... 8.4 26
42.0	42.0	42.0	42.0	42.0	42.0	41.9	40.0	41.7	42.1	1-2 p.m.	... 40.0	Midnight ... 2.1 27
37.0	38.0	37.3	37.3	37.4	37.6	37.6	37.0	38.9	40.0	0 a.m. and noon	... 37.0	Midnight ... 3.0 28
36.5	36.5	36.5	36.7	36.7	36.8	36.9	36.5	36.1	37.0	0 a.m., 3 p.m., 11.30 p.m.	... 33.6	4.45 a.m. ... 3.4 29
38.3	39.0	39.1	39.3	39.1	39.1	39.3	39.5	37.5	39.5	Midnight	... 35.2	5 a.m. ... 4.3 30
39.8	39.7	39.7	39.2	39.3	39.6	39.5	39.4	39.7	40.3	1 p.m.	... 39.2	8 p.m. ... 1.1 31
40.2	40.4	40.4	40.4	40.4	40.1	40.0	39.6	40.1	42.0	.....	37.2	..... 4.8 Mean.

Absolute Maximum = 44.7 at 1.45 p.m. on 18th.

Absolute Minimum = 27.8 at 2.15 a.m. on 22nd.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	39.3	39.5	39.5	39.3	39.3	39.3	39.1	37.7	37.6	37.7	37.6	38.0	37.7	37.7	37.7	37.2
2	37.3	37.3	37.2	37.0	36.9	36.2	36.1	36.2	37.0	36.8	37.1	37.7	35.7	37.0	39.7	39.6
3	34.8	35.9	35.9	36.0	35.6	35.8	35.9	35.0	35.0	34.0	34.0	33.0	33.0	33.8	33.7	33.7
4	34.0	33.7	33.9	34.2	34.2	34.2	34.1	34.0	33.0	33.7	33.8	34.0	34.0	33.7	33.9	33.8
5	35.4	35.8	35.0	36.7	37.5	39.0	36.5	36.3	37.0	37.7	37.1	37.0	36.3	37.0	36.5	36.3
6	35.8	35.8	35.2	35.2	35.0	34.8	35.0	35.0	35.2	35.5	35.6	36.3	36.8	37.2	38.0	38.6
7	40.6	40.8	40.9	41.0	41.0	40.7	40.8	40.9	41.0	41.0	41.4	41.0	40.9	40.8	39.0	38.9
8	35.2	35.3	35.4	35.8	36.3	37.5	38.0	38.0	39.0	40.4	41.0	41.3	42.7	42.6	41.6	41.1
9	41.0	41.0	41.1	41.4	41.5	41.6	41.8	41.3	41.0	41.3	41.2	41.5	41.4	41.3	42.0	42.0
10	41.5	41.5	41.3	41.4	41.2	41.7	41.6	41.9	42.6	42.5	42.7	43.0	43.5	43.1	43.0	42.3
11	42.0	42.0	41.0	36.7	36.4	34.0	34.0	34.4	34.7	33.8	32.5	33.2	33.3	33.9	34.3	34.4
12	34.5	35.0	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.8	35.8	36.0	36.0	36.3	36.5	36.8
13	38.8	39.0	39.2	39.3	39.4	39.5	39.7	40.0	40.5	40.7	41.0	41.5	41.7	41.0	40.1	40.5
14	42.7	42.8	42.0	43.0	43.0	42.8	42.8	42.9	43.0	43.0	43.1	43.0	42.5	42.3	42.1	43.0
15	40.6	40.5	40.5	41.0	41.0	41.0	41.0	41.0	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5
16	40.9	40.9	40.0	37.0	37.0	36.2	36.2	36.3	36.2	36.0	35.0	34.1	35.0	36.4	36.7	36.7
17	38.8	39.0	39.0	39.1	39.6	40.1	40.3	40.5	40.4	40.4	40.5	40.3	40.4	40.8	40.4	40.4
18	40.0	40.0	40.0	39.6	39.7	39.5	39.3	39.0	37.8	37.3	37.0	35.5	34.8	34.2	33.0	32.6
19	34.0	35.0	35.3	35.4	35.5	35.4	35.8	36.0	36.5	36.5	37.0	38.0	38.8	38.6	38.5	39.0
20	36.0	35.8	35.6	35.0	33.0	33.5	34.0	35.0	35.0	35.8	36.0	36.5	36.7	38.7	39.2	39.0
21	35.5	35.4	34.7	37.3	37.7	34.5	37.1	37.1	37.2	37.0	37.3	36.5	36.0	34.8	34.7	34.5
22	32.0	32.0	33.5	34.0	35.0	35.7	35.4	35.9	37.0	37.0	37.0	38.2	38.6	39.6	40.6	41.0
23	41.2	41.5	41.3	41.4	41.6	42.0	42.6	43.0	43.4	43.5	43.3	43.5	43.3	43.0	42.7	41.0
24	36.1	37.5	38.8	38.8	38.0	39.5	39.7	39.6	40.0	39.9	40.3	40.2	40.6	40.7	41.0	41.4
25	38.1	37.5	37.7	37.7	37.7	38.1	38.7	38.2	38.0	38.5	36.7	38.4	38.8	38.7	38.5	38.6
26	39.9	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.3	40.4	40.3	40.3	40.3	40.2	39.5	39.3
27	41.0	40.0	38.0	38.2	37.2	37.4	37.0	37.1	36.8	36.9	37.0	36.8	36.2	35.6	35.0	34.6
28	36.4	36.8	37.0	38.8	39.4	38.5	38.6	38.6	38.3	34.7	35.9	37.0	36.0	35.0	36.0	35.5
29	30.5	31.0	31.5	32.1	32.7	33.4	34.4	35.2	36.7	37.2	37.8	38.4	39.1	39.2	40.0	40.0
30	39.7	39.7	39.5	39.4	39.3	39.4	40.0	41.2	41.4	41.2	41.0	40.9	40.4	40.4	40.7	40.8
Mean.	37.9	37.9	37.9	37.9	37.9	37.9	38.0	38.1	38.3	38.3	38.2	38.4	38.4	38.5	38.5	38.5

Greatest range, 9.8 on 22nd.

Least range, 1.1 on 15th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

JUNE, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
37.4	37.1	37.2	37.1	37.0	37.2	37.0	37.3	38.0	39.5	2.3 a.m.	... 36.9	6.15 p.m. ... 2.6 1
38.8	38.5	38.0	38.0	38.0	38.0	37.0	34.7	37.4	40.0	3.30 p.m.	... 34.7	Midnight ... 5.3 2
33.0	34.0	34.0	33.0	34.0	34.0	33.8	33.2	34.4	36.0	4 a.m.	... 32.3	4.50 p.m. ... 3.7 3
33.6	33.0	33.1	33.3	33.5	33.7	34.2	35.0	33.8	35.0	Midnight	... 33.0	9 a.m. & 6 p.m. ... 2.0 4
36.0	36.0	36.0	36.1	36.5	36.1	36.1	36.0	36.5	39.5	6.20 a.m.	... 35.0	0 a.m. & 3 a.m. ... 4.5 5
39.1	36.2	37.0	37.3	38.0	38.3	39.3	39.5	36.6	39.5	Midnight	... 34.5	5.30 a.m. ... 5.0 6
37.0	36.8	36.0	35.4	35.8	35.5	35.0	35.2	39.1	41.4	11 a.m.	... 35.0	11 p.m. ... 6.4 7
40.9	40.9	41.1	41.2	41.3	41.3	41.2	40.9	39.5	42.7	1 p.m.	... 35.2	0-1 a.m. ... 7.5 8
42.2	42.3	41.6	42.0	42.0	41.8	41.5	41.4	41.5	42.6	8.15 p.m.	... 40.4	8.45 a.m. ... 2.2 9
42.0	41.9	42.0	42.0	43.0	42.0	42.0	42.0	42.2	43.5	1 p.m.	... 41.2	5 a.m. ... 2.3 10
34.3	34.2	34.0	34.0	34.0	34.0	34.0	34.0	35.3	42.0	0-2 a.m.	... 32.5	11 a.m. ... 9.5 11
37.4	37.2	37.1	37.6	38.0	38.0	38.1	38.2	36.3	38.2	Midnight	... 34.0	0 a.m. ... 4.2 12
40.6	40.8	41.1	41.3	41.7	41.9	42.0	42.5	40.5	42.5	Midnight	... 38.2	0 a.m. ... 4.3 13
43.0	43.0	43.0	42.5	41.3	41.0	40.0	40.6	42.5	43.4	10.15 a.m.	... 40.0	11 p.m. ... 3.4 14
41.5	41.5	41.3	41.2	41.0	41.0	41.0	41.0	41.1	41.6	9.30 a.m.	... 40.5	2-3 a.m. ... 1.1 15
36.7	37.0	36.7	36.8	37.0	37.7	38.5	38.7	37.1	41.0	0 a.m.	... 34.1	Noon ... 6.9 16
40.4	40.3	40.2	39.8	40.0	40.1	40.1	40.0	40.0	41.2	2.20 p.m.	... 38.7	0 a.m. ... 2.5 17
33.2	33.8	33.0	33.0	33.0	33.1	33.2	33.5	36.2	40.0	0-3 a.m.	... 32.4	3.50 p.m. ... 7.6 18
39.0	38.7	38.0	36.9	37.0	36.5	36.5	36.3	37.0	39.8	4.20 p.m.	... 33.5	0 a.m. ... 6.3 19
37.4	38.2	38.0	37.5	37.0	37.0	35.2	36.7	36.7	40.4	2.45 p.m.	... 33.0	5 a.m. ... 7.4 20
34.5	33.2	32.8	32.6	32.0	31.8	31.5	32.0	35.0	37.7	5 a.m.	... 31.0	10.30 p.m. ... 6.7 21
41.0	41.0	40.3	41.0	41.8	41.4	41.2	41.2	37.8	41.8	9 p.m.	... 32.0	0-2 a.m. ... 9.8 22
40.2	39.5	39.1	39.0	39.0	38.5	37.0	36.1	41.2	44.0	12.15 p.m.	... 36.1	Midnight ... 7.9 23
41.3	41.2	41.3	40.3	39.0	38.3	37.9	37.7	39.5	41.5	4.30 p.m.	... 36.1	0-1 a.m. ... 5.4 24
39.0	38.9	39.4	39.1	38.9	39.4	39.6	40.0	38.4	40.0	Midnight	... 36.7	11 a.m. ... 3.3 25
39.5	40.0	40.0	40.0	40.7	40.8	41.0	41.2	40.1	41.2	Midnight	... 39.3	4 p.m. ... 1.9 26
34.2	34.8	35.6	35.7	35.5	36.0	35.9	36.4	36.7	41.2	0 a.m.	... 34.2	5 p.m. ... 7.0 27
35.0	34.8	34.0	34.0	33.0	32.0	30.5	30.3	35.7	40.0	6.15 a.m.	... 30.3	Midnight ... 9.7 28
40.0	40.0	40.0	40.0	40.0	39.8	39.7	39.8	36.8	40.0	3-9 p.m.	... 30.3	0 a.m. ... 9.7 29
41.0	41.2	42.2	42.8	43.0	42.7	42.2	41.0	40.9	43.0	8.30 p.m.	... 39.2	4.30 a.m. ... 3.8 30
38.2	38.2	38.1	38.0	38.1	38.0	37.7	37.7	38.1	40.6	.....	35.4	..... 5.2 Mean.

Absolute Maximum = 44.0 at 12.15 p.m. on 23rd.      Absolute Minimum = 30.3 at mid-night on 28th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table II.—AIR TEMPERATURE.

MACQUARIE ISLAND.

STATED IN.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	39.5	37.0	36.0	36.5	36.2	36.6	36.9	36.7	36.2	36.2	36.2	36.0	35.9	36.0	36.1	
2	37.3	37.4	38.0	38.3	38.7	39.2	39.5	39.9	40.0	40.2	40.3	40.2	40.1	40.2	40.3	40.2
3	39.1	39.0	39.0	38.7	38.7	38.7	38.8	38.9	38.9	38.7	39.0	40.1	40.3	40.6	41.0	41.2
4	42.2	42.2	42.2	42.2	42.2	42.2	42.1	42.0	42.3	42.0	42.0	42.0	41.8	41.6	42.0	41.7
5	35.7	34.8	34.5	34.0	33.0	34.7	35.0	35.2	37.0	38.2	38.4	39.0	39.2	39.5	39.3	39.7
6	36.8	35.0	36.0	35.5	33.0	35.0	34.0	33.3	34.5	35.0	33.3	32.0	33.0	32.8	32.0	31.9
7	31.0	29.5	30.7	30.7	32.0	32.5	33.0	32.3	34.2	34.8	34.0	35.1	34.8	35.0	35.0	35.3
8	36.3	36.5	36.3	36.5	36.5	36.6	37.1	37.0	37.5	37.8	37.7	37.8	37.8	37.5	37.5	
9	35.5	35.3	35.1	35.0	34.1	33.8	32.2	32.7	31.3	30.6	31.0	31.6	30.9	32.2	33.1	33.9
10	34.8	35.1	35.0	35.9	36.7	37.0	38.0	38.0	38.5	39.1	38.5	39.0	39.5	39.8	39.4	39.3
11	39.7	39.5	39.6	39.7	39.5	39.5	39.5	40.0	39.8	40.0	40.0	40.4	41.0	41.0	40.8	40.9
12	40.5	41.0	40.9	41.0	41.0	41.0	41.0	40.6	40.5	40.5	40.7	41.0	41.1	41.1	41.5	41.7
13	40.0	38.0	38.0	37.8	35.9	35.3	34.6	33.2	33.2	33.3	33.5	34.0	34.2	34.1	34.0	34.1
14	32.8	31.7	31.6	31.0	30.1	30.8	30.8	30.9	31.0	30.9	30.9	31.0	32.4	33.0	33.0	
15	35.1	34.7	34.4	35.0	35.7	36.0	35.2	35.0	36.3	37.0	37.7	37.0	37.8	38.0	38.3	
16	40.0	39.9	39.9	40.0	40.6	40.5	40.7	40.9	41.1	40.8	39.2	39.0	38.8	37.2	37.3	37.2
17	33.2	32.7	32.5	32.7	32.2	32.6	33.6	34.6	35.0	36.3	36.1	36.3	36.4	37.0	37.3	37.7
18	40.0	39.7	40.0	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.6	40.9	40.9	41.0	41.0	
19	41.6	41.5	41.4	41.3	41.2	41.3	41.6	42.0	42.0	42.4	42.3	42.2	42.4	42.4	42.0	42.0
20	39.0	39.0	39.7	39.7	39.0	40.0	39.3	39.0	39.0	39.0	39.0	38.8	37.9	37.8	37.0	
21	40.9	40.9	40.9	40.9	40.9	40.9	39.2	39.2	38.5	38.7	38.4	38.4	35.1	35.8	35.8	34.8
22	36.8	36.9	37.0	37.0	37.0	37.4	37.5	37.7	39.8	40.2	40.8	40.8	41.1	41.1	41.0	41.0
23	41.3	41.5	41.7	41.7	41.8	41.9	42.0	42.0	42.3	42.8	42.9	43.0	43.2	42.7	42.8	
24	42.8	42.8	42.8	42.8	42.7	42.5	42.4	42.2	42.0	41.8	41.9	42.1	42.0	41.9	41.8	41.6
25	41.7	41.8	41.8	41.7	41.6	41.6	41.5	41.2	41.2	41.5	41.8	41.5	41.5	41.1	40.8	40.7
26	33.0	34.0	34.1	34.3	34.4	35.2	35.3	35.0	33.9	34.2	35.1	36.7	38.0	38.5	38.8	38.8
27	36.3	36.3	37.1	37.0	39.0	39.2	39.2	39.2	39.0	38.4	38.5	38.7	38.6	38.2	38.1	38.1
28	40.0	40.5	40.1	40.1	40.2	38.0	38.0	36.9	36.0	36.1	36.2	36.2	36.2	35.0	35.2	
29	38.0	37.7	37.5	37.5	37.6	37.6	37.4	37.2	37.0	37.6	38.0	38.3	38.5	38.2	38.0	37.4
30	37.0	38.7	38.8	38.5	38.5	38.5	38.9	39.0	39.2	39.7	40.0	40.1	40.1	40.1	39.5	
31	35.0	35.8	35.8	35.9	36.0	36.8	37.4	38.0	39.2	39.8	40.0	40.1	40.4	40.4	40.0	40.1
Mean.	37.8	37.6	37.7	37.7	37.6	37.8	37.8	37.7	37.9	38.2	38.2	38.4	38.4	38.4	38.4	38.4

Greatest range, 10.4 on 6th. Least range, 1.7 on 19th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

JULY, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Rangé.	Date.
36.0	35.9	36.1	36.6	37.0	37.4	37.2	37.2	36.6	41.0	0 a.m. ...	35.5	1
40.1	40.0	39.8	39.6	39.5	39.9	38.8	39.0	39.4	40.4	3 p.m. ...	37.2	2
41.1	41.5	42.1	42.8	42.3	42.0	42.0	42.0	40.2	42.8	8 p.m. ...	38.4	3
40.1	39.0	38.9	39.0	37.6	37.0	36.0	35.8	40.8	42.3	1.30 a.m. 9 a.m. ...	35.8	4
39.6	37.8	36.7	36.8	37.0	36.8	37.2	37.1	36.9	40.3	1.30 p.m. ...	33.0	5
30.6	30.2	30.0	29.9	29.5	31.0	31.1	31.2	32.9	37.1	0 a.m. ...	26.7	6
35.4	36.0	36.0	36.0	36.3	36.0	36.1	36.4	34.0	37.8	8.15 p.m. ...	29.2	7
37.5	37.5	37.2	37.1	37.0	36.9	36.7	36.0	37.0	38.2	1.30 p.m. ...	36.0	8
34.0	35.3	34.6	33.9	33.1	33.4	33.6	34.4	33.4	36.0	0 a.m. ...	30.4	9
39.3	39.3	39.0	38.9	39.0	38.9	39.0	39.4	38.1	40.2	1.30 p.m. ...	34.4	10
41.0	41.0	40.9	40.8	40.5	40.0	39.5	40.0	40.1	41.4	1.15 p.m. ...	39.4	11
41.7	41.8	42.0	42.1	42.5	42.5	42.6	42.5	41.3	42.6	11 p.m. ...	40.0	12
34.1	34.2	34.2	34.1	34.1	34.2	33.0	35.0	43.0	0.15 a.m. ...	33.0	13	
34.1	34.5	34.4	34.7	35.0	35.2	35.7	35.0	32.5	36.3	10.30 p.m. ...	30.1	14
38.6	39.0	39.4	39.5	39.9	40.0	40.0	40.0	37.3	40.0	10 p.m.—midn't.	34.0	15
36.4	36.2	36.2	35.5	35.0	34.4	34.0	33.8	38.2	41.3	9.5 a.m. ...	33.8	16
37.8	38.7	39.2	39.8	40.3	40.3	40.3	40.3	36.2	40.4	9.30 p.m. ...	31.8	17
41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.7	40.7	42.0	3.30 & 11.30 p.m. ...	39.5	18
42.2	42.1	42.1	42.2	42.3	42.3	42.3	42.9	42.0	42.9	Midnight ...	41.2	19
38.5	39.2	40.0	40.7	41.0	41.2	41.2	41.2	39.5	42.9	0 a.m. ...	37.1	20
34.4	35.6	35.8	35.5	35.8	36.0	36.2	36.5	37.8	41.2	0 a.m. ...	34.2	21
41.0	41.0	41.0	41.0	40.8	41.0	41.2	41.1	39.5	41.2	11 p.m. ...	36.5	22
42.0	43.0	42.8	42.6	42.5	42.6	42.7	42.9	42.4	43.3	12.30 p.m. ...	41.1	23
41.8	41.9	41.7	41.6	41.2	40.5	40.5	41.5	42.0	42.9	0 a.m. ...	40.5	24
39.0	36.0	34.2	34.8	35.0	35.0	33.5	32.3	39.5	41.9	12.30 p.m. ...	32.3	25
38.0	38.0	38.0	37.8	37.0	36.8	36.9	36.5	36.1	39.2	3.30 p.m. ...	32.3	26
38.2	38.1	39.0	39.4	39.8	39.9	39.9	40.0	38.5	40.0	Midnight ...	35.6	27
35.2	35.5	35.6	36.0	35.8	36.9	37.3	37.8	37.2	40.5	2 a.m. ...	34.0	28
37.3	37.6	37.8	37.6	37.4	36.9	36.5	36.2	37.6	39.2	1.10 p.m. ...	36.2	29
39.0	37.8	36.6	35.2	35.0	35.2	35.0	34.4	38.1	41.0	11.15 a.m. ...	34.4	30
40.0	40.0	40.0	40.3	40.5	40.0	40.7	38.7	41.0	41.0	2.15 p.m. ...	34.4	31
38.3	38.3	38.2	38.2	38.1	38.1	38.0	38.0	38.0	40.7	.....	35.1	Mean.

Absolute Maximum = 43.3 at 12.30 p.m. on 23rd.

Absolute Minimum = 26.7 at 9.15 p.m. on 6th.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	40·7	40·4	40·2	40·2	40·0	40·0	40·0	38·9	37·0	36·5	36·4	36·6	37·2	36·8	35·2	35·0
2	37·0	36·9	36·3	35·2	34·9	34·3	33·2	30·0	30·2	31·0	31·6	32·8	31·8	32·0	31·0	32·0
3	29·6	30·0	30·0	30·0	30·1	30·2	30·9	31·6	32·4	32·4	33·1	33·7	33·8	34·2	35·3	36·5
4	39·4	39·4	39·5	39·4	39·3	39·2	39·3	39·4	39·8	39·8	40·0	39·5	40·7	40·6	40·4	40·2
5	33·7	34·2	36·0	35·2	35·5	36·0	36·8	36·8	36·2	36·8	37·3	37·4	37·3	37·4	37·8	38·6
6	38·0	37·9	37·9	37·9	37·0	38·4	38·4	38·4	38·7	39·0	39·2	41·4	42·2	42·0	42·0	42·2
7	40·8	40·7	40·6	38·0	39·0	38·9	38·7	38·5	38·3	39·0	37·5	39·0	39·2	39·0	39·0	36·7
8	36·3	36·2	36·1	36·8	35·2	36·4	34·7	35·4	34·4	34·8	34·1	36·3	36·4	35·8	35·8	35·3
9	33·6	33·6	32·7	33·5	33·6	33·7	33·7	33·6	33·6	34·0	34·3	34·5	34·2	34·1	35·0	35·1
10	32·6	32·4	31·5	30·1	28·2	28·5	28·8	28·8	29·0	29·0	29·0	29·0	29·7	30·9	30·5	30·2
11	28·8	30·2	30·6	31·2	32·2	32·3	32·5	33·7	34·8	35·6	36·2	37·0	37·0	36·4	36·2	35·5
12	35·8	36·5	37·0	37·8	38·3	38·8	39·6	39·8	40·1	40·1	40·6	40·6	40·5	40·5	40·5	40·5
13	41·1	41·1	41·1	41·0	41·1	41·1	39·9	39·9	41·0	41·2	41·2	41·2	41·2	41·2	41·2	41·2
14	37·6	37·0	37·0	36·7	36·7	36·7	36·4	36·4	36·3	35·9	35·9	36·2	36·5	36·7	37·3	39·0
15	41·5	41·6	40·8	40·8	40·7	38·4	36·4	36·0	35·8	36·2	36·8	37·2	38·0	38·0	38·0	37·8
16	39·2	39·7	39·9	40·5	40·0	41·2	41·4	41·9	42·1	41·8	41·7	41·5	41·7	41·8	41·2	41·0
17	40·5	40·3	39·7	39·8	39·8	39·9	39·9	39·9	40·0	40·0	40·0	41·6	41·9	41·8	41·0	40·0
18	40·4	40·7	40·7	41·0	41·1	41·1	41·2	41·2	41·0	41·5	42·7	43·2	42·6	42·5	42·3	41·9
19	37·6	37·9	38·4	39·0	39·7	39·7	40·3	41·3	41·6	42·0	42·2	42·4	42·4	42·5	42·6	42·5
20	39·0	39·0	38·9	38·5	38·3	38·4	38·2	38·9	39·4	39·4	37·5	38·5	40·6	40·6	40·8	40·7
21	37·2	37·2	37·1	36·6	36·1	35·3	34·5	33·4	33·4	35·3	33·3	35·7	36·4	35·2	36·1	33·2
22	36·9	37·2	37·2	37·3	37·3	37·3	37·4	37·4	37·5	38·0	39·0	39·3	39·5	39·2	38·0	37·9
23	40·6	41·5	41·6	41·7	41·8	42·0	42·2	43·0	43·0	43·6	43·5	43·5	43·7	43·7	43·7	43·7
24	43·6	43·6	42·5	42·5	42·4	42·3	42·2	42·2	42·0	42·0	42·0	42·5	42·6	42·4	41·8	41·7
25	40·4	40·5	40·6	40·7	40·8	40·9	41·2	41·8	42·8	42·7	42·7	43·5	43·2	43·1	43·0	41·0
26	42·5	42·5	42·9	42·9	42·9	43·0	43·0	43·1	43·7	43·8	43·9	43·9	43·9	44·0	44·0	43·4
27	40·8	40·8	40·7	40·6	40·3	40·3	40·0	40·0	39·0	37·7	38·5	38·5	39·5	40·9	41·0	40·0
28	39·2	39·4	39·3	39·3	39·7	39·7	39·9	40·6	43·0	44·0	44·0	44·4	44·4	44·2	44·3	44·2
29	41·8	42·1	42·1	42·1	41·6	41·4	41·4	41·9	42·1	42·6	43·3	43·5	44·0	43·6	42·8	41·6
30	37·6	37·3	37·1	36·8	36·8	36·8	36·8	36·8	38·0	38·1	38·2	37·8	37·9	38·0	37·8	38·1
31	38·1	38·1	38·2	38·3	37·3	37·2	37·3	37·3	37·6	37·6	38·5	38·5	38·7	38·5	38·2	37·7
Mean.	38·1	38·3	38·2	38·1	38·0	38·0	38·0	38·0	38·2	38·4	38·5	39·1	39·3	39·3	39·2	38·9

Greatest range, 10·6 on 3rd.

Least range, 2·6 on 11th.

## —HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

AUGUST, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.		Minimum.		Range.	Date.
34.9	34.9	35.4	35.4	35.8	35.9	35.9	36.1	37.4	41.0	0-15 a.m.	34.8	6-15 p.m.	6.2	1
31.6	31.4	30.4	30.6	30.0	29.9	29.2	28.8	32.3	37.0	1 a.m.	28.8	Midnight	8.2	2
37.8	38.3	38.4	38.8	39.4	39.4	39.4	39.4	34.2	39.4	9 p.m.—midn't.	28.8	0 a.m.	10.6	3
40.0	39.6	39.3	39.0	38.8	35.6	35.2	36.2	39.2	41.1	1-45 p.m.	35.2	11 p.m.	5.9	4
39.6	40.8	41.2	41.4	41.5	41.3	41.4	38.1	37.8	41.5	9 p.m.	33.7	1 a.m.	7.8	5
42.0	42.0	42.0	42.4	42.6	43.0	43.1	42.8	40.4	43.1	11 p.m.	37.8	1-45 a.m.	5.3	6
34.7	34.9	34.4	34.2	33.7	32.6	34.3	35.0	37.5	43.0	0-50 a.m.	32.6	10 p.m.	10.4	7
34.9	34.4	33.2	33.1	32.0	31.3	30.6	32.1	34.7	37.1	12-15 p.m.	30.6	11 p.m.	3.5	8
35.1	35.0	34.7	34.5	34.0	33.6	33.6	33.1	34.0	35.1	4-5 p.m.	32.1	0 a.m.	3.0	9
30.0	29.5	29.1	28.6	28.0	26.3	27.5	27.4	29.5	33.1	0 a.m.	26.3	10 p.m.	6.8	10
35.3	34.6	34.2	34.2	34.0	34.6	34.9	35.0	33.9	37.0	Noon-1 p.m.	27.4	0 a.m.	2.6	11
40.6	40.9	41.0	41.1	41.0	41.0	41.1	41.1	39.7	41.3	8-30 p.m.	35.0	0 a.m.	6.3	12
40.7	40.3	39.1	39.0	38.3	38.4	37.6	37.6	40.3	41.2	10 a.m.-4 p.m.	37.6	11 p.m.—midn't.	3.6	13
39.3	40.4	40.8	41.0	41.2	41.6	41.5	38.2	41.6	41.6	11 p.m.	35.7	10-45 a.m.	5.9	14
37.5	37.2	36.9	36.8	36.8	36.7	36.9	38.6	38.0	41.7	2-30 p.m.	35.8	9 a.m.	5.2	15
40.6	40.6	40.5	40.2	39.3	39.4	39.5	39.7	40.7	42.1	9 a.m.	38.6	0 a.m.	3.5	16
37.8	37.0	36.8	38.0	39.6	39.7	39.9	40.0	39.8	42.2	1-30 p.m.	36.8	7 p.m.	5.4	17
41.0	40.8	40.9	40.8	39.0	39.0	37.7	37.2	41.0	44.7	11-30 a.m.	37.2	Midnight	7.5	18
42.4	42.1	39.7	39.2	39.0	39.0	39.0	39.0	40.4	42.6	3 p.m.	37.2	0 a.m.	5.4	19
40.0	36.0	37.8	37.7	37.9	37.5	37.5	37.2	38.7	41.2	2-45 p.m.	36.0	6 p.m.	5.2	20
32.7	32.6	33.5	34.3	35.0	36.4	36.2	36.6	35.2	37.7	12-45 p.m.	32.1	5-15 p.m.	5.6	21
36.6	37.2	38.3	38.4	39.0	39.3	39.8	40.3	38.1	40.3	Midnight	36.5	0-15 a.m.	3.8	22
43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	42.9	43.7	1 p.m.—midn't.	40.3	0 a.m.	3.4	23
41.5	41.0	40.8	40.5	40.0	40.1	40.2	40.3	41.8	44.8	12-30 p.m.	40.0	9 p.m.	4.8	24
41.0	40.8	40.7	40.7	41.6	42.0	42.5	42.5	41.7	44.8	12-30 p.m.	40.0	7-30 a.m.	4.8	25
43.4	43.4	43.4	43.2	43.0	43.0	41.4	41.2	43.2	44.3	2-30 p.m.	41.2	Midnight	3.1	26
39.6	39.3	38.6	38.6	38.6	38.6	39.0	39.2	39.6	41.2	0 a.m.	37.5	11-45 a.m.	3.7	27
43.9	43.7	42.4	42.2	42.0	41.8	41.8	41.8	42.0	44.3	3 p.m.	39.2	0-1 a.m.	5.1	28
41.6	40.2	40.2	40.3	40.3	38.7	38.3	37.4	41.5	45.2	1-15 p.m.	37.4	Midnight	7.8	29
38.5	38.5	38.4	38.1	38.1	38.3	38.1	38.0	37.7	39.0	4-30 p.m.	36.1	3-15 a.m.	2.9	30
36.8	36.2	36.3	36.0	36.1	36.1	36.1	36.1	37.4	40.1	12-30 p.m.	36.0	8 p.m.	4.1	31
38.5	38.3	38.1	38.1	38.0	37.9	37.9	37.9	38.3	49.0	.....	35.1	.....	3.9	Mean.

Absolute Maximum = 45.2 at 1.15 p.m. on 29th.

Absolute Minimum = 26.3 at 10 p.m. on 10th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	36.6	36.8	36.3	35.9	35.7	35.7	35.6	35.7	34.4	35.4	35.6	35.7	35.6	35.5	35.4	35.0
2	35.6	35.8	36.6	37.2	37.6	37.6	37.8	38.1	38.8	38.9	38.9	38.9	40.0	39.9	40.4	
3	40.5	40.8	40.8	40.8	40.9	40.9	40.9	40.9	41.0	40.9	40.9	40.9	40.8	40.9	40.9	
4	42.2	41.6	41.5	41.5	41.5	41.5	41.5	41.5	42.0	41.7	42.1	42.1	42.1	42.3	42.3	42.4
5	42.2	42.2	42.2	42.2	42.6	43.1	43.1	43.1	42.8	43.1	43.1	43.4	43.5	43.3	43.0	42.7
6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.3	42.3	43.0	43.0	42.8	42.5	42.0	41.8
7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.6	41.6	41.6	41.7	41.7	41.6	41.5	41.6
8	40.6	40.6	40.6	40.6	40.6	40.7	41.6	41.7	42.1	42.3	42.7	43.1	43.7	43.7	43.5	43.5
9	42.7	42.2	42.3	41.8	41.8	41.8	41.4	41.2	41.0	41.3	41.3	41.8	41.7	41.3	40.4	40.4
10	38.3	38.1	38.1	38.3	38.3	38.7	38.7	39.0	40.0	40.2	40.4	41.3	41.4	41.3	42.0	42.0
11	43.0	41.3	41.2	40.0	39.2	39.2	39.3	39.3	40.0	40.2	40.8	41.0	41.0	41.0	41.0	
12	37.5	37.7	37.7	37.8	38.5	38.5	38.6	38.8	39.0	38.7	38.7	38.7	38.7	38.0	38.0	36.5
13	35.4	35.4	35.8	36.2	36.3	37.1	37.1	37.1	37.3	38.1	38.2	38.6	38.6	39.0	39.0	38.8
14	35.7	35.7	35.9	37.6	39.1	40.2	40.6	41.7	42.2	43.4	43.4	43.4	43.4	43.8	43.8	
15	41.5	41.5	41.5	41.5	41.5	41.5	41.5	42.4	43.0	43.0	43.0	43.0	43.6	43.6	44.0	43.8
16	41.9	41.9	41.9	41.0	41.0	41.0	41.0	41.0	42.6	42.6	42.8	43.1	42.0	42.0	42.0	
17	40.0	40.1	40.0	40.3	38.9	39.2	39.2	40.1	40.1	41.1	41.2	41.0	41.6	42.3	41.5	41.3
18	39.1	37.8	37.4	37.3	34.9	33.8	32.9	32.4	31.3	31.0	30.3	31.1	29.9	29.2	29.2	28.5
19	30.7	30.7	30.7	31.4	31.8	32.6	32.8	32.9	34.3	33.7	35.4	35.5	36.8	35.5	35.5	35.5
20	36.0	36.0	36.0	36.0	36.0	36.0	37.0	37.0	37.6	38.2	36.6	36.1	37.7	37.2	37.0	
21	35.1	34.9	34.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.2	35.1	35.8	34.6	
22	34.0	35.1	37.2	37.4	37.4	37.4	37.7	37.2	37.4	37.4	37.4	39.6	41.4	39.4	38.4	38.2
23	35.6	35.6	35.6	35.6	35.2	35.4	35.7	35.7	35.8	36.3	35.6	35.9	36.2	36.3	36.2	
24	38.5	39.0	39.3	39.6	39.6	39.8	40.1	40.5	41.0	41.2	41.2	41.0	40.8	40.6	40.6	40.7
25	35.9	35.8	35.6	34.9	34.6	34.6	34.6	34.6	34.6	34.2	35.5	35.5	35.4	35.5	35.0	35.0
26	33.4	33.7	33.1	31.5	31.1	31.1	31.3	31.1	32.0	32.0	32.4	32.7	34.6	33.6	33.5	33.5
27	32.7	32.6	32.4	33.2	32.1	31.9	31.7	31.6	30.5	30.5	30.5	30.7	31.0	31.0	31.0	
28	35.2	35.1	34.9	35.4	35.4	35.9	36.8	38.5	40.0	40.0	41.1	40.1	41.6	41.0	40.8	40.4
29	37.3	38.1	37.9	37.1	37.2	37.6	38.8	39.1	39.0	39.7	40.4	41.5	42.3	42.8	43.4	43.4
30	43.2	43.0	43.0	42.3	42.3	42.3	42.3	42.3	42.3	42.2	42.2	43.0	41.6	40.4	37.0	39.8
Mean.	38.1	38.1	38.2	38.1	38.0	38.1	38.2	38.4	38.7	38.8	39.1	39.3	39.4	39.3	39.1	39.1

Greatest range, 10.6 on 18th; Least range, 3.9 on 4th.

## -HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

SEPTEMBER, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
35.2	34.9	35.0	35.4	35.3	35.4	35.5	35.6	35.6	37.5	2.15 a.m.	... 3.4	1
40.0	40.0	40.0	40.0	40.4	40.5	40.5	38.7	41.0	10.30 p.m.	... 5.4	2	
40.0	40.0	40.0	41.5	42.0	42.1	42.2	41.1	42.2	11 p.m.—midn't.	... 2.1	3	
42.3	42.3	42.7	42.7	42.6	42.6	42.2	42.2	43.0	6.30 p.m.	... 1.9	4	
42.7	42.7	42.7	42.6	42.5	42.5	42.5	42.8	44.4	12.25 p.m.	... 2.4	5	
41.0	41.0	41.0	41.0	41.0	41.0	41.0	42.0	44.0	11.45 a.m.	... 3.8	6	
41.4	41.5	41.5	41.5	40.8	40.8	40.8	40.6	41.3	42.2	12.30 p.m.	... 2.6	7
43.8	43.7	43.3	43.2	43.0	42.9	42.9	42.7	42.3	44.7	1.15 p.m.	... 4.3	8
40.4	40.4	39.9	39.5	39.2	38.9	38.8	38.2	40.9	42.7	0-1 a.m.	... 4.5	9
42.1	42.5	43.0	43.0	43.0	43.0	43.0	40.7	43.6	8.15 p.m.	... 5.6	10	
40.8	41.2	39.6	39.6	38.5	38.5	37.9	36.3	40.2	43.0	0-1 a.m.	... 7.3	11
36.3	35.2	35.0	35.0	35.0	35.0	35.1	35.4	37.2	39.5	9.15 a.m.	... 5.5	12
37.5	36.4	36.4	35.8	35.3	35.3	35.3	35.5	36.9	39.0	2-3 p.m.	... 4.0	13
43.8	43.8	43.8	42.8	41.6	41.6	41.6	41.7	43.8	3-7 p.m.	... 3.5	14	
43.8	43.1	42.9	42.0	41.0	41.9	41.9	41.9	42.5	44.0	3 p.m.	... 4.0	15
42.1	42.1	41.9	41.9	41.0	40.5	40.5	40.0	41.9	44.3	11.45 a.m.	... 4.3	16
40.7	40.4	40.4	40.4	40.4	40.0	39.1	39.1	40.4	43.5	1.50 p.m.	... 4.6	17
28.7	28.9	29.6	31.1	31.3	31.9	30.9	30.7	32.2	39.1	0-1 a.m.	... 10.6	18
35.5	35.5	35.5	35.8	36.0	36.0	36.0	36.0	34.1	38.7	2.30 p.m.	... 8.0	19
36.8	36.5	35.1	35.3	35.5	36.9	36.8	35.5	36.4	40.7	2.15 p.m.	... 5.6	20
34.6	33.4	32.2	31.7	32.4	31.4	31.6	33.0	34.2	35.8	3 p.m.	... 4.5	21
37.4	36.4	36.4	35.9	35.9	36.1	35.6	35.6	37.1	41.4	1 p.m.	... 8.4	22
36.1	36.1	36.1	36.2	37.4	37.6	37.9	38.3	36.1	38.3	Midnight	... 3.1	23
40.4	40.1	39.4	38.8	38.2	37.7	37.7	37.0	39.8	41.2	10-11 a.m.	... 4.2	24
35.0	34.0	34.0	34.5	33.9	33.4	33.4	33.4	34.9	37.0	0 a.m.	... 2.6	25
33.5	33.5	33.5	33.5	33.0	33.0	33.0	32.9	32.7	34.6	1 p.m.	... 3.5	26
31.0	31.1	31.7	32.0	33.0	33.5	34.0	34.8	31.9	34.8	Midnight	... 4.6	27
39.6	37.0	35.9	35.8	35.0	36.7	36.9	36.3	37.7	42.5	12.45 p.m.	... 8.2	28
43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.2	40.8	43.6	3.15 p.m.	... 7.3	29
40.2	39.0	40.0	40.6	40.0	40.7	40.0	39.9	41.4	44.0	12.45 p.m.	... 8.0	30
38.0	38.6	38.5	38.4	38.3	38.4	38.2	38.1	38.6	41.1	... 36.0	5.1	Mean.

Absolute Maximum = 44.7 at 1.15 p.m. on 8th.

Absolute Minimum = 28.5 at 4 p.m. on 18th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	38.0	39.8	40.0	40.6	40.8	40.9	42.0	42.4	42.3	42.3	42.3	42.7	42.9	42.9	43.0	43.0
2	40.2	40.2	40.3	40.4	40.4	40.7	40.7	41.1	41.7	42.4	41.6	40.0	41.3	42.1	42.7	42.9
3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	39.0	40.4	41.7	40.8	40.5	40.2	39.8	34.0	33.3
4	36.3	36.8	37.3	36.8	36.8	37.6	39.6	40.3	41.4	42.5	42.3	42.0	41.6	41.2	40.4	
5	43.3	43.3	43.5	43.6	43.7	43.8	43.8	43.8	42.2	42.2	38.2	38.1	37.7	37.2	37.0	36.8
6	35.2	35.3	35.3	35.3	35.9	36.3	36.5	36.5	37.4	38.9	39.8	40.7	41.6	41.7	41.7	41.7
7	40.6	40.6	40.6	40.6	40.6	40.7	40.9	41.2	41.2	42.4	43.1	43.8	43.8	43.8	43.8	44.0
8	44.0	44.0	44.0	42.8	41.0	40.4	40.4	40.4	40.8	41.0	41.7	41.8	42.0	42.3	42.3	
9	40.4	39.1	39.2	39.7	39.5	38.4	38.5	38.2	38.3	39.2	39.0	39.3	39.3	39.5	39.3	38.1
10	40.9	40.9	40.9	40.7	40.7	41.1	42.0	41.9	43.0	41.5	41.8	42.4	43.7	43.7	44.0	44.1
11	43.5	43.5	43.9	43.9	44.0	44.4	44.1	43.4	43.1	43.1	43.3	43.3	43.3	44.2	44.2	43.8
12	37.6	37.3	37.2	37.2	37.1	37.5	38.7	38.7	39.5	39.6	37.0	36.4	36.0	36.0	36.0	36.1
13	34.5	34.5	34.4	34.4	34.2	34.4	34.6	34.9	36.0	36.0	37.1	36.6	36.9	37.1	38.0	37.1
14	35.4	33.0	34.2	35.1	34.2	34.9	35.1	33.1	36.5	36.4	36.5	36.8	37.3	38.5	37.5	38.4
15	38.1	37.5	36.3	36.1	34.9	34.3	34.4	34.3	34.3	34.3	34.7	35.0	35.4	35.8	36.0	36.0
16	35.6	35.6	35.6	35.6	35.6	35.6	35.6	38.4	40.0	40.3	40.3	40.2	39.9	39.6	39.7	40.1
17	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.3	42.3	42.9	42.8	42.8	42.8	42.8	42.8	42.8
18	43.5	43.5	43.5	43.5	43.5	43.5	43.1	43.1	43.1	42.8	42.8	42.8	42.8	42.7	42.7	
19	41.9	41.9	39.2	39.2	39.7	39.6	39.5	39.7	40.7	40.8	41.4	40.2	41.8	41.7	40.8	40.6
20	43.0	43.0	42.9	42.6	42.6	40.8	40.8	41.2	40.0	41.0	40.8	40.4	41.0	40.6	36.3	35.5
21	33.8	33.7	34.5	34.8	34.9	35.2	35.5	35.9	36.0	36.3	36.4	37.4	37.4	37.7	38.3	38.3
22	41.0	41.1	41.3	41.6	41.6	41.7	41.9	42.5	43.8	43.8	43.7	43.7	43.7	43.5	43.3	44.8
23	41.0	40.5	40.0	40.4	40.4	38.4	38.4	38.9	41.0	41.2	41.9	40.5	41.6	40.2	41.0	38.9
24	38.9	38.6	37.7	37.5	37.5	38.9	40.4	38.3	38.0	36.5	36.4	37.1	37.4	36.9	37.0	37.2
25	32.7	32.7	31.9	30.7	31.6	33.1	34.2	35.6	36.5	37.3	38.4	37.5	37.5	37.5	38.5	38.7
26	37.9	38.2	38.2	38.2	38.2	38.4	38.4	38.5	40.0	40.0	40.1	40.2	40.0	40.1	39.3	39.3
27	39.0	39.0	39.0	39.4	39.8	40.2	41.5	42.0	43.0	43.4	43.5	44.0	44.0	44.0	43.7	43.7
28	42.2	41.3	41.3	41.3	39.1	37.3	37.0	37.2	39.5	39.5	40.0	41.0	41.7	41.8	40.8	
29	39.1	41.0	42.2	41.9	41.5	40.6	39.8	39.6	41.2	42.1	42.8	40.3	40.9	41.3	41.0	40.5
30	38.6	38.6	38.6	39.9	39.9	39.7	39.3	39.9	41.4	40.3	39.8	40.5	40.5	42.8	42.3	41.8
31	39.3	39.0	39.3	39.2	39.2	39.2	40.6	40.0	40.0	40.1	39.8	38.7	38.7	38.0	39.0	43.3
Mean.	39.3	39.3	39.2	39.2	39.1	39.0	39.3	39.4	40.1	40.3	40.3	40.2	40.5	40.6	40.3	40.2

Greatest range, 10.0 on 11th and 20th.

Least range, 1.6 on 17th and 18th;

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

OCTOBER, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
43.0	43.2	43.6	42.1	42.5	41.8	42.0	40.4	41.9	44.0	6.30 p.m. ....	38.0	1 a.m. ....	6.0 1
42.7	42.7	42.3	42.0	42.0	42.0	41.4	41.4	41.4	42.9	4 p.m. ....	40.0	Noon ....	2.9 2
33.4	34.2	36.4	38.8	39.0	36.6	36.4	36.3	38.9	41.7	10 a.m. ....	33.3	4 p.m. ....	8.4 3
40.4	40.3	41.8	43.0	43.3	43.3	43.3	43.3	40.2	43.8	11.45 p.m. ....	36.3	0-1 a.m., 6 a.m. ....	7.5 4
36.9	36.9	36.7	37.8	37.0	35.8	35.1	34.4	39.7	43.8	6-8 a.m. ....	34.4	Midnight ....	9.4 5
41.7	41.7	41.7	41.7	40.6	40.6	40.6	40.6	39.0	42.8	6.15 p.m. ....	34.4	0 a.m. ....	8.4 6
44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	4 p.m.—midn't	40.6	0-5 a.m. ....	4.6 7
42.3	41.3	41.0	40.8	40.6	40.6	40.6	40.6	41.7	44.0	0-3 a.m. ....	40.4	6-8 a.m. ....	3.6 8
37.6	37.3	36.5	36.0	39.0	39.8	39.9	40.2	38.8	40.6	0 a.m. ....	36.0	8 p.m. ....	4.6 9
43.8	43.8	43.8	44.0	44.0	43.8	43.8	43.6	42.6	44.7	9.20 a.m. ....	40.2	0 a.m. ....	4.5 10
43.4	42.8	42.4	38.9	37.5	35.7	36.1	36.5	42.3	45.0	2.30 p.m. ....	35.0	10.15 a.m. ....	10.0 11
36.0	36.0	36.0	35.5	35.3	35.2	35.2	35.2	36.8	40.0	10.15 a.m. ....	35.2	10 p.m.—midn't	4.8 12
37.1	36.3	36.3	36.1	35.7	35.7	35.4	35.4	35.8	38.7	2.30 p.m. ....	34.2	5 a.m. ....	4.5 13
37.7	37.8	38.1	38.3	38.5	39.0	38.0	38.4	36.6	39.0	10 p.m. ....	33.1	8 a.m. ....	5.9 14
35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	38.4	0 a.m. ....	34.3	6 a.m. ....	4.1 15
40.1	40.1	40.3	40.9	41.0	41.3	41.7	41.9	38.8	41.9	Midnight ....	35.6	0-7 a.m. ....	6.7 16
42.9	43.3	43.3	43.3	43.5	43.5	43.5	43.5	42.7	43.5	9 p.m.—midn't	41.9	0 a.m. ....	1.6 17
42.7	42.7	42.7	42.7	42.7	42.7	42.7	41.9	42.9	43.5	0-5 a.m. ....	41.9	Midnight ....	1.6 18
42.5	42.5	43.0	43.0	43.0	43.0	43.0	43.0	41.3	43.0	7 p.m.—midn't	39.0	6.45 a.m. ....	4.0 19
34.7	33.5	33.5	33.0	33.0	33.0	33.2	33.5	38.5	43.0	0-2 a.m. ....	33.0	8-10 p.m. ....	10.0 20
38.3	38.3	38.4	38.4	38.5	39.5	39.5	40.5	38.8	40.5	Midnight ....	33.5	0 a.m. ....	7.0 21
44.8	42.5	42.5	42.5	42.5	41.0	41.0	41.0	42.5	44.8	4-5 p.m. ....	40.5	0 a.m. ....	4.3 22
37.3	36.5	37.3	37.9	38.0	37.7	38.3	38.8	39.5	42.8	9.30 a.m. ....	34.3	5.30 p.m. ....	8.5 23
37.2	37.2	37.2	36.7	37.0	35.8	34.2	34.5	37.3	40.4	7 a.m. ....	34.2	11 p.m. ....	6.2 24
38.3	38.3	38.3	37.9	37.8	37.6	37.7	37.9	36.1	40.2	10.45 a.m. ....	30.7	4 a.m. ....	9.5 25
39.2	38.6	38.6	38.7	39.0	39.0	39.0	39.0	39.0	40.2	Noon ....	37.9	0-1 a.m. ....	2.3 26
43.7	43.7	43.5	43.3	43.0	43.0	43.0	43.0	42.2	44.9	11.45 a.m. ....	39.0	0-3 a.m. ....	5.9 27
40.3	39.4	39.1	38.8	38.0	37.5	37.7	38.0	39.7	43.0	0 a.m. ....	37.0	7 a.m. ....	6.0 28
40.0	37.1	36.8	36.0	37.7	37.6	38.2	38.2	39.9	43.4	11.15 a.m. ....	36.0	8 p.m. ....	7.4 29
41.5	41.5	41.5	41.2	41.2	40.6	38.8	38.8	40.4	43.5	1.30 p.m. ....	38.2	0 a.m. ....	5.3 30
42.5	40.4	39.8	39.8	40.0	39.9	39.0	39.3	39.8	44.0	4.30 p.m. ....	38.0	1 p.m. ....	6.0 31
40.1	39.7	39.7	39.6	39.7	39.4	39.3	39.3	39.9	42.5	.....	36.7	.....	5.8 Mean.

Absolute Maximum = 45.0 at 2.30 p.m. on 11th.

Absolute Minimum = 30.7 at 4 a.m. on 25th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	39.4	40.5	40.6	40.9	41.5	41.9	42.0	42.8	43.0	43.6	43.5	43.5	43.4	43.3	43.4	43.4
2	43.3	43.2	43.3	43.4	43.4	43.4	43.6	43.7	43.7	43.1	43.2	43.2	43.1	43.0	42.6	
3	33.9	33.3	33.3	33.4	33.1	33.1	33.0	35.7	38.7	35.6	39.0	39.4	41.7	41.2	41.0	39.1
4	41.0	41.2	41.2	41.2	41.2	41.2	41.9	42.8	43.5	43.9	43.9	44.5	44.7	44.5	44.0	44.0
5	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	39.3	39.0	39.0	39.4	40.0	39.9	39.7	39.7
6	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	39.9	40.1	41.3	41.0	41.0	39.7
7	39.5	39.9	40.2	40.5	41.5	42.1	43.0	41.0	41.0	42.6	44.1	43.5	44.2	43.7	43.5	42.2
8	37.8	37.8	36.7	36.5	36.5	37.0	37.2	38.3	39.3	39.5	40.4	40.3	40.2	39.3	39.0	38.5
9	36.0	36.8	37.7	36.6	36.6	36.7	38.1	39.5	40.8	41.0	40.8	40.8	40.8	42.9	43.8	43.5
10	42.0	41.9	41.5	40.8	40.4	42.0	42.8	43.1	45.0	45.8	45.8	45.8	46.3	46.3	45.4	
11	42.6	42.6	42.6	42.6	42.6	42.9	42.9	43.1	44.0	43.9	45.5	45.1	44.8	44.8	46.0	45.2
12	42.4	42.3	42.2	42.4	42.4	42.7	42.7	43.2	43.5	43.9	43.8	45.4	45.6	44.4	44.2	43.9
13	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	42.0	42.8	43.2	43.2	
14	41.6	41.7	41.8	41.9	42.0	42.1	42.1	42.2	43.1	44.3	44.0	43.7	44.6	44.3	43.0	42.8
15	42.5	42.2	42.2	42.2	42.2	40.8	40.8	40.8	40.8	39.1	38.6	38.7	41.5	40.8	40.3	39.7
16	40.8	40.1	41.2	41.5	39.8	38.2	38.4	38.5	38.6	40.2	40.2	40.2	40.2	40.0	40.0	40.1
17	40.0	40.6	41.1	40.7	40.1	40.6	40.9	41.4	40.4	41.4	39.7	39.2	38.7	38.6	38.5	38.2
18	40.7	40.8	40.9	41.5	41.6	41.7	41.8	41.9	42.0	41.9	41.9	42.5	42.9	40.8	41.2	39.6
19	40.3	40.2	39.2	38.5	38.2	39.4	40.1	41.5	42.9	42.9	42.8	42.9	43.2	43.5	43.5	
20	42.4	41.9	41.1	40.9	40.6	40.6	40.6	42.4	41.8	43.1	42.7	41.7	41.2	40.6	39.7	38.7
21	37.1	37.2	37.3	37.4	37.5	37.6	39.6	39.6	40.6	40.7	41.6	41.6	41.8	41.8	42.0	41.8
22	36.6	39.6	39.6	39.6	39.6	39.6	40.7	41.5	43.0	43.2	43.3	44.3	44.6	44.7	44.8	47.0
23	43.2	43.2	44.0	44.0	44.0	44.0	44.0	44.3	45.0	45.7	45.7	44.8	44.3	44.0	43.7	
24	42.0	42.0	42.0	42.0	42.0	42.0	44.4	45.4	45.3	45.6	46.1	46.1	46.1	46.1	46.0	45.1
25	38.4	37.7	37.6	37.6	37.6	37.6	37.6	37.6	37.6	36.6	36.9	37.6	37.0	38.8	39.0	38.5
26	36.2	36.3	36.6	36.3	36.3	36.3	37.3	38.6	38.6	39.3	40.6	40.6	39.4	41.4	41.0	39.7
27	37.6	37.7	37.9	36.9	38.1	37.6	39.5	42.3	40.7	41.5	43.1	44.0	42.8	43.2	43.0	42.0
28	42.5	42.5	42.5	42.5	42.5	43.2	44.7	44.8	46.0	45.8	45.5	47.4	46.8	45.7	45.6	44.6
29	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.2	44.8	45.4	44.1	45.2	45.2	45.7	46.2	44.8
30	44.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.5	45.6	46.5	46.7	46.9	47.4	46.8
Mean.	40.4	40.4	40.5	40.4	40.4	40.5	41.0	41.5	42.0	42.2	42.4	42.7	42.0	42.8	42.8	42.2

Greatest range 11.2 on 2nd.

Least range, 2.2 on 13th.

## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

NOVEMBER, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
43.3	43.2	43.1	43.0	43.0	43.2	43.2	43.3	42.5	43.7	9.30 a.m.	39.3	0 a.m.
42.6	41.3	39.3	38.6	38.0	35.6	34.9	33.8	41.7	44.0	9.45 a.m.	33.8	Midnight
40.0	39.7	39.7	39.9	40.6	40.4	41.0	41.0	37.1	41.7	1 p.m.	33.0	7 a.m.
43.8	43.2	43.2	39.4	38.5	38.6	38.5	38.2	42.1	44.7	1 p.m.	38.2	Midnight
39.0	39.0	39.0	39.0	39.0	39.0	39.6	40.4	39.0	42.0	12.30 p.m.	38.2	0 a.m.
40.6	40.6	41.0	41.4	41.8	41.9	41.8	40.3	40.7	43.8	2.45 p.m.	39.7	4 p.m.
41.9	41.5	40.7	40.8	41.0	40.9	40.0	38.9	41.6	46.2	2.45 p.m.	38.9	Midnight
38.4	37.6	37.1	37.1	37.0	37.2	37.0	37.0	38.1	41.8	10.45 a.m.	36.5	4-5 a.m.
43.2	43.2	42.5	42.3	41.8	41.8	41.8	41.8	40.4	43.8	3 p.m.	36.6	4-5 a.m.
44.8	44.4	43.9	44.4	42.4	42.5	42.5	42.5	43.7	48.0	2.30 p.m.	40.4	5 a.m.
45.2	44.2	43.7	43.5	42.7	42.0	42.2	42.2	43.6	46.3	10.30 a.m.	41.8	9.15 p.m.
43.3	42.8	42.2	42.1	41.7	41.7	41.7	41.6	43.0	45.8	12.45 p.m.	41.1	9.30 p.m.
42.2	41.8	41.3	41.3	41.0	41.2	41.3	41.4	41.9	43.2	2-4 p.m.	41.0	9 p.m.
42.8	42.8	42.8	42.8	43.2	43.0	42.9	42.5	42.8	46.0	12.30 p.m.	41.4	0 a.m.
38.7	39.1	39.6	40.0	40.7	40.0	40.0	41.0	40.5	45.2	1.15 p.m.	38.5	11 a.m.
41.4	41.7	41.7	41.5	39.7	39.8	38.9	39.7	40.1	41.7	6-7 p.m.	38.2	6 a.m.
38.5	39.0	39.3	40.3	39.0	39.5	40.0	40.6	39.8	42.3	8.45 a.m.	37.8	9.30 p.m.
40.1	40.2	39.9	39.7	39.7	40.1	39.8	39.9	41.0	44.0	1.45 p.m.	39.6	4-15 p.m.
43.5	43.4	43.4	43.4	43.0	43.0	43.0	43.2	41.9	44.0	3.30 p.m.	37.8	4.30 a.m.
38.5	38.2	37.7	37.6	37.2	36.9	36.9	37.0	40.1	43.2	0 a.m.	36.9	10-11 p.m.
41.4	41.1	40.1	39.7	39.3	39.6	39.6	39.6	39.8	43.8	3.45 p.m.	37.0	0 a.m.
44.4	43.2	43.2	43.2	43.2	43.2	43.2	43.2	42.5	47.0	4 p.m.	39.6	0-6 a.m.
43.3	43.3	43.3	43.3	43.0	42.0	42.0	42.0	43.9	45.7	10 a.m.—noon	42.0	10 p.m.—midn't.
44.9	44.9	44.9	44.8	44.0	44.2	38.8	38.8	43.9	47.6	11.30 a.m.	38.8	11 p.m.—midn't.
38.2	37.8	36.3	36.0	36.8	36.9	36.2	36.2	37.5	40.5	3.30 p.m.	35.7	6-45 p.m.
40.1	40.0	39.5	38.5	38.3	37.9	37.9	37.9	38.5	41.4	2 p.m.	35.3	4.30 a.m.
42.0	41.6	41.5	41.6	42.0	42.0	42.5	42.5	40.9	44.0	Noon	36.0	1.20 a.m.
44.6	44.3	44.1	44.1	44.2	44.5	44.2	44.5	44.4	49.0	2.30 p.m.	42.5	0-5 a.m.
44.4	44.4	44.4	44.4	44.2	44.1	44.1	44.0	44.6	48.0	2.30 p.m.	44.0	Midnight
45.0	45.2	44.5	43.6	43.3	43.0	43.0	43.0	45.0	47.8	3.15 p.m.	43.0	10 p.m.—midn't.
42.0	41.8	41.4	41.2	41.0	40.9	40.6	40.6	41.4	44.5	.....	38.8	.....
												5.7
												Mean.

Absolute Maximum = 49.0 at 2.30 p.m. on 28th.

Absolute Minimum = 33.0 at 7 a.m. on 3rd.

Table II.-AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	43.0	43.6	43.8	44.1	44.3	44.3	44.5	44.8	45.3	45.3	45.3	45.3	45.3	45.0	46.0	44.9
2	43.6	43.7	43.7	43.7	43.7	43.7	44.4	44.6	45.0	44.6	45.3	45.3	45.3	45.4	45.2	42.0
3	36.2	36.6	37.1	36.5	36.7	35.2	37.6	36.2	37.8	37.5	38.2	39.4	37.9	38.9	39.2	39.0
4	37.2	36.1	35.3	35.8	36.4	37.1	36.5	36.6	36.8	36.4	37.6	39.0	43.1	41.3	40.4	39.5
5	40.4	40.4	40.6	40.9	41.6	42.6	44.4	44.4	44.2	44.6	44.5	45.6	45.6	46.0	47.2	45.2
6	43.5	43.6	43.4	43.4	43.5	44.0	44.3	44.5	45.0	45.7	45.7	45.8	45.9	46.0	45.7	45.7
7	44.4	43.4	42.6	42.3	42.3	42.0	42.0	41.9	41.7	41.5	41.8	43.5	44.5	43.8	45.0	45.5
8	45.8	45.6	45.5	45.5	45.6	45.9	46.0	46.4	46.0	46.0	46.0	46.0	46.3	46.0	45.5	45.3
9	43.1	43.1	43.1	43.1	43.2	43.3	43.3	44.3	45.0	45.0	46.3	46.0	45.8	45.0	45.4	45.7
10	44.6	44.6	44.5	44.6	44.8	44.8	45.7	47.0	48.2	48.6	49.1	49.5	49.1	48.9	48.4	47.4
11	46.3	46.9	47.6	48.0	46.5	46.3	47.2	48.1	48.1	48.3	48.4	48.4	48.3	48.2	47.3	46.5
12	43.9	43.5	43.2	42.8	42.7	42.7	43.3	44.0	44.0	44.5	45.4	45.8	46.1	46.7	47.0	46.3
13	46.1	46.2	46.0	46.0	45.9	46.0	46.0	46.0	46.0	46.0	46.2	46.7	46.4	46.8	46.7	
14	43.5	43.6	43.7	43.9	44.0	44.5	45.6	45.8	46.0	45.9	47.3	46.7	47.0	45.8	45.5	45.7
15	43.9	43.9	42.9	42.8	42.7	42.7	42.7	42.7	42.7	43.4	44.4	43.5	43.4	40.1	40.0	38.3
16	41.0	41.0	41.0	41.0	41.0	41.1	39.4	39.1	39.0	39.9	41.1	43.1	42.5	42.1	42.9	42.2
17	38.7	38.7	37.9	37.9	37.8	38.0	39.5	40.3	40.0	39.7	40.9	44.2	43.6	44.5	44.0	42.0
18	36.7	35.3	35.3	35.3	37.3	38.4	40.3	41.8	40.8	43.6	43.5	42.9	42.5	44.5	44.0	41.2
19	42.0	42.0	42.0	42.0	42.0	42.2	42.9	43.8	44.7	42.6	40.4	40.2	39.9	39.4	40.3	41.6
20	43.1	42.8	42.9	42.9	41.8	42.0	42.8	44.4	44.8	44.8	42.7	42.7	43.2	45.2	44.0	44.4
21	41.2	40.9	40.5	40.4	40.4	42.2	42.6	44.2	45.0	46.2	44.7	48.3	47.2	46.9	46.0	45.8
22	45.0	45.0	45.0	45.0	45.0	45.3	45.4	45.4	45.6	45.7	45.7	45.7	45.7	46.0	47.7	47.6
23	42.1	42.4	42.6	43.0	44.0	44.2	45.5	46.1	46.5	47.0	48.2	46.7	47.5	47.4	47.8	47.8
24	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	46.0	46.3	47.0	48.5	50.4	49.8	50.0	50.1
25	44.7	44.7	44.7	44.7	44.7	45.5	46.2	47.3	47.6	47.3	48.8	49.6	49.7	49.7	49.0	48.0
26	43.0	43.0	43.6	43.6	44.2	44.6	45.7	46.0	46.2	46.6	46.6	46.5	43.0	47.8	47.8	48.7
27	45.1	45.5	45.8	45.8	45.8	45.8	46.6	47.0	47.0	47.3	47.7	48.2	47.8	47.8	47.0	46.6
28	43.8	44.4	44.1	43.2	43.2	43.9	44.4	44.8	46.7	47.5	46.0	47.8	47.3	46.6	44.8	44.1
29	42.0	42.9	43.7	43.3	41.8	42.4	44.7	45.4	46.0	46.0	44.9	44.2	47.3	47.8	47.7	46.9
30	44.0	44.0	44.0	44.0	43.0	43.8	45.0	45.0	44.8	46.3	45.5	46.7	46.7	46.6	46.7	
31	42.4	42.3	42.3	42.7	43.3	43.4	43.6	43.6	43.6	44.2	45.6	45.0	44.8	45.1	40.7	39.9
Mean.	42.8	42.8	42.7	42.7	42.7	43.0	43.7	44.1	44.5	44.7	44.9	45.4	45.5	45.5	45.3	44.8

Greatest range, 11.1 on 18th.

Least range, 1.8 on 2nd.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

DECEMBER, 1912.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
44.6	44.5	44.3	44.1	44.0	43.8	43.8	43.8	44.7	47.3	2.50 p.m. ...	43.0	0-1 a.m. ...	4.3 1
41.2	40.0	37.9	36.3	35.5	35.2	34.2	35.0	42.0	46.0	2.45 p.m. ...	34.2	11 p.m. ...	1.8 2
39.0	38.2	38.2	38.2	37.1	36.5	36.6	36.4	37.5	41.4	12.15 p.m. ...	35.0	0 a.m. ...	6.4 3
38.9	38.3	38.0	37.7	38.3	38.8	39.6	40.4	38.0	44.5	12.45 p.m. ...	35.3	3 a.m. ...	9.2 4
44.4	44.4	43.9	43.6	43.3	43.3	43.4	43.5	43.6	47.4	2.45 p.m. ...	40.4	0-2 a.m. ...	7.0 5
45.7	45.7	45.0	45.9	46.0	45.8	45.6	45.2	45.0	46.0	2 p.m. & 9 p.m. ...	43.4	3-4 a.m. ...	2.6 6
45.4	44.3	44.0	44.0	44.4	44.7	44.9	45.5	43.6	45.5	4 p.m. & midn't ...	41.5	10 a.m. ...	4.0 7
44.6	44.6	44.0	43.3	43.3	43.0	43.0	43.2	45.1	47.2	12.15 p.m. ...	42.8	10.30 p.m. ...	4.4 8
45.4	45.4	45.5	45.6	45.3	45.1	44.7	44.6	44.7	47.2	10.30 a.m. ...	43.1	3-4 a.m. ...	4.1 9
47.3	47.2	46.6	46.8	46.3	46.3	46.3	46.3	46.7	50.1	11.45 a.m. ...	44.5	3 a.m. ...	5.6 10
46.5	45.9	45.6	44.8	44.7	44.5	44.3	44.1	46.7	49.0	11.45 a.m. ...	44.1	Midnight ...	4.9 11
45.8	45.6	45.4	45.5	45.5	45.8	45.7	46.0	44.8	47.1	12.15 p.m. ...	42.5	6.30 a.m. ...	4.6 12
46.4	45.8	45.4	44.5	43.8	43.7	43.5	43.4	45.2	47.3	2.45 p.m. ...	43.4	Midnight ...	3.9 13
44.6	44.4	44.2	44.0	44.0	44.0	44.0	44.0	44.9	48.0	11.30 a.m. ...	43.4	0 a.m. ...	4.6 14
38.7	39.6	40.6	40.3	41.2	41.0	41.0	41.0	42.3	45.3	11.30 a.m. ...	38.3	4 p.m. ...	7.0 15
42.1	41.0	40.5	38.9	38.4	38.3	38.4	38.7	40.6	44.0	2.30 p.m. ...	37.1	8.45 p.m. ...	3.9 16
40.5	39.2	37.9	37.3	37.1	36.6	36.9	36.7	39.6	45.7	2.45 p.m. ...	36.6	10 p.m. ...	9.1 17
40.5	41.6	41.7	41.8	42.0	42.0	42.0	42.0	40.3	45.8	2.30 p.m. ...	34.7	3.30 a.m. ...	11.1 18
41.8	41.8	41.7	41.8	42.0	42.7	42.9	43.2	41.9	45.0	8.30 a.m. ...	39.1	2.30 p.m. ...	5.0 19
44.0	44.1	44.2	44.3	42.0	41.7	41.6	41.5	43.3	46.0	9.15 a.m. ...	41.3	10.45 p.m. ...	4.7 20
45.6	45.4	45.4	45.0	45.0	45.0	45.0	45.0	44.3	49.0	12.45 p.m. ...	40.3	4.30 a.m. ...	8.7 21
47.5	47.2	47.3	46.8	46.0	46.0	44.4	43.1	45.8	47.7	3 p.m. ...	43.1	Midnight ...	4.6 22
47.5	47.5	46.3	45.9	45.3	45.5	45.5	45.5	45.7	48.8	11.30 a.m. ...	42.1	1 a.m. ...	6.7 23
48.2	47.4	46.4	45.5	45.0	44.6	44.6	44.5	46.6	51.0	12.50 p.m. ...	44.5	Midnight ...	6.5 24
46.5	46.0	45.8	45.6	44.2	43.0	43.0	42.7	46.2	51.8	12.30 p.m. ...	42.7	Midnight ...	9.1 25
47.7	47.5	46.5	45.6	45.1	45.1	45.1	45.1	45.6	48.7	4 p.m. ...	41.8	11.5 p.m. ...	6.9 26
46.6	46.1	45.4	45.2	45.0	44.5	44.9	43.6	46.2	48.2	Noon ...	43.6	Midnight ...	4.6 27
44.6	43.6	42.0	43.7	43.3	41.7	42.7	42.8	44.5	48.1	12.30 p.m. ...	41.5	10.45 p.m. ...	6.6 28
46.8	46.0	45.8	45.8	44.7	45.0	44.8	43.9	45.0	48.0	1.45 p.m. ...	40.1	4.45 a.m. ...	7.9 29
46.2	44.0	41.6	42.0	42.0	42.0	42.0	42.5	44.4	48.3	12.20 p.m. ...	40.7	6.45 a.m. ...	7.6 30
40.9	41.2	41.4	41.2	41.0	40.0	39.4	39.6	42.6	48.1	2.20 p.m. ...	39.1	10.30 p.m. ...	9.0 31
44.4	44.0	43.6	43.3	42.9	42.7	42.7	42.7	43.8	47.2	.....	40.7	.....	6.5 Mean

Absolute Maximum = 51.8 at 12.30 p.m. on 25th.

Absolute Minimum = 34.2 at 11 p.m. on 2nd.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	39.6	39.6	39.5	40.3	42.8	42.4	42.6	42.9	44.8	45.2	45.2	47.1	47.0	47.0	47.0	47.0
2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	45.3	45.2	45.0	45.4	45.7	45.1	44.6	44.6	44.5
3	43.6	43.1	43.1	43.6	43.6	44.4	45.4	45.5	46.5	47.1	47.1	47.4	47.3	47.3	46.7	46.5
4	42.0	42.1	42.0	42.2	42.3	42.5	42.4	42.4	43.1	43.4	43.4	41.7	41.2	42.0	43.8	44.2
5	44.6	43.9	40.4	38.0	38.1	38.3	39.0	40.3	43.0	43.4	44.0	42.3	43.8	44.4	44.8	44.4
6	46.0	43.9	43.8	43.0	43.3	43.0	44.0	42.1	43.7	42.5	42.5	44.6	45.5	45.5	45.0	44.7
7	40.8	37.9	30.1	38.2	40.2	41.0	41.5	43.0	44.3	44.9	44.4	43.6	45.1	45.7	44.6	44.1
8	44.9	44.9	44.9	45.3	45.6	45.1	43.8	44.3	44.7	44.8	46.2	47.2	46.7	47.2	46.6	46.5
9	41.1	40.4	40.0	40.1	40.6	40.5	40.3	40.3	41.2	42.5	44.7	43.6	44.5	42.4	42.2	42.0
10	38.5	38.2	38.1	38.4	40.1	38.6	41.1	42.3	43.0	44.1	43.8	43.2	43.6	40.7	40.4	38.5
11	40.5	36.8	30.5	39.6	37.9	38.9	39.0	41.7	42.0	42.2	43.0	43.0	43.0	43.0	39.4	42.4
12	40.6	40.2	40.2	30.4	39.5	40.0	40.7	40.5	39.5	40.6	42.8	45.1	45.1	45.1	45.3	45.3
13	42.8	42.6	42.2	41.8	41.9	42.3	42.4	41.6	43.5	44.7	44.5	43.8	44.4	44.6	45.3	45.3
14	44.0	44.0	43.8	43.6	44.9	46.2	46.1	45.0	45.3	44.0	44.6	44.2	43.2	43.0	46.3	45.3
15	39.6	40.1	40.1	41.1	40.7	40.9	41.8	43.1	45.0	46.2	45.5	44.8	44.8	44.9	45.0	45.0
16	40.2	41.6	42.9	42.9	41.8	42.4	41.6	41.3	44.2	44.6	45.0	45.0	45.7	45.9	46.0	45.7
17	39.4	44.1	44.3	45.0	45.0	45.0	44.9	44.7	44.6	41.2	42.0	44.8	41.9	44.9	47.0	45.4
18	45.3	44.9	44.0	44.0	43.4	44.0	44.2	44.7	45.6	46.3	46.9	47.2	47.3	47.4	46.8	46.5
19	43.9	44.0	44.2	44.2	43.9	43.7	44.0	44.2	46.4	45.3	46.0	45.4	45.4	45.5	45.3	44.0
20	40.0	39.4	39.4	39.4	39.3	39.8	41.8	39.9	39.8	40.8	42.7	44.0	45.5	46.8	46.0	42.0
21	36.9	36.2	36.6	37.4	37.9	39.0	40.2	40.4	43.0	43.1	44.7	45.0	45.3	45.5	45.7	45.5
22	41.8	41.8	41.8	41.1	40.7	41.0	44.4	44.6	45.3	44.4	45.7	46.7	46.6	46.8	47.0	46.5
23	44.0	43.9	44.2	44.4	44.8	45.0	45.0	44.9	46.0	46.5	47.0	47.4	46.8	46.5	45.4	
24	41.9	41.5	41.3	40.5	41.4	41.9	42.7	43.0	43.8	42.3	44.5	44.5	44.8	44.2	44.7	44.2
25	41.1	44.4	44.5	44.5	44.7	44.7	44.7	45.0	46.2	46.3	45.1	47.1	46.8	46.2	46.0	46.0
26	40.8	40.8	40.5	40.7	40.8	41.9	43.2	44.0	44.0	44.4	44.1	44.9	44.0	42.6	42.5	41.8
27	40.1	37.9	38.2	37.9	37.9	38.6	38.8	37.7	41.0	42.2	43.4	44.8	44.2	44.4	42.6	44.3
28	37.0	37.8	37.4	38.5	36.8	38.3	41.2	42.7	44.0	45.3	45.5	46.5	45.6	44.3	44.0	44.3
29	42.6	42.9	43.4	43.6	44.6	44.9	45.0	45.1	45.0	44.9	45.2	45.3	45.4	45.6	47.3	46.6
30	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.8	44.8	44.6	45.6	45.0	45.2	45.0	44.8	44.4
31	42.9	42.5	42.5	42.4	42.4	42.6	42.9	43.5	43.7	43.7	43.7	43.7	43.8	43.2	43.0	42.5
Mean.	41.8	41.7	41.6	41.6	41.7	42.1	42.7	42.9	43.9	44.1	44.6	45.0	45.0	44.9	44.9	44.9

Greatest range, 11.5 on 20th.

Least range, 2.6 on 30th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

JANUARY, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
46.7	46.4	45.8	45.4	45.0	44.8	44.8	44.4	44.2	48.0	12.30 p.m.	... 39.3	3.10 a.m. ... 8.7 1
45.5	44.5	44.5	44.3	41.5	42.0	42.3	43.6	44.5	45.9	10 a.m. ...	40.3	9.30 p.m. ... 5.6 2
46.3	45.7	44.9	44.9	44.3	44.3	42.6	42.0	45.2	49.0	1.30 p.m. ...	42.0	2.20 a.m. & midn't. 7.0 3
45.1	45.0	44.9	44.6	44.5	44.3	44.7	44.6	43.2	45.2	5.30 p.m. ...	41.2	1 p.m. ... 4.0 4
41.2	41.9	44.3	44.7	45.0	45.7	46.0	46.0	42.8	46.0	11 p.m.—midn't.	38.0	4 a.m. ... 8.0 5
43.9	42.0	42.9	42.6	41.4	42.2	41.0	40.8	43.5	47.0	1.30 p.m. ...	40.4	10.30 p.m. ... 6.6 6
44.0	44.3	44.6	44.5	44.6	44.4	44.9	44.9	43.0	46.7	2.15 p.m. ...	35.8	3.30 a.m. ... 10.9 7
45.4	44.8	43.4	42.9	41.0	41.2	40.3	41.4	44.6	47.7	1.30 p.m. ...	40.3	11 p.m. ... 7.4 8
43.4	42.5	41.7	41.0	41.0	41.2	40.6	39.5	41.6	46.0	10.45 a.m. ...	39.5	Midnight ... 6.5 9
40.6	39.2	39.2	39.2	38.2	39.2	41.0	38.7	40.0	45.0	1.15 p.m. ...	35.3	6.30 p.m. ... 9.7 10
41.8	41.4	39.0	40.2	40.0	40.5	40.3	39.5	40.0	44.0	11.30 a.m. ...	36.0	1.40 a.m. ... 8.0 11
45.3	45.3	45.3	45.2	43.6	43.2	43.4	43.4	42.6	45.3	3.7 p.m. ...	39.3	3.45 a.m. ... 6.0 12
45.2	44.8	44.7	44.6	43.8	44.0	44.0	44.0	43.7	46.8	3.30 p.m. ...	41.5	8.45 a.m. ... 5.3 13
44.6	44.1	41.3	40.4	39.8	39.9	39.6	39.1	43.5	47.8	2.45 p.m. ...	39.1	Midnight ... 8.7 14
45.0	45.0	45.0	44.3	43.7	43.5	43.5	43.5	43.3	46.2	10 a.m. ...	39.1	0 a.m. ... 7.1 15
45.0	44.3	44.1	42.9	42.0	41.1	40.1	39.0	43.2	47.0	2.30 p.m. ...	39.0	Midnight ... 8.0 16
44.9	42.7	42.0	41.7	41.7	41.4	41.7	44.3	43.5	47.3	3.10 p.m. ...	39.0	0 a.m. ... 8.3 17
46.0	45.6	44.9	44.6	44.0	44.0	44.0	44.0	45.2	47.8	2.15 p.m. ...	43.0	4.30 a.m. ... 4.8 18
43.3	43.0	42.4	42.0	41.0	40.9	40.2	40.1	43.8	47.2	8.30 a.m. ...	40.1	Midnight ... 7.1 19
44.1	42.5	40.1	38.8	36.0	36.1	36.9	36.7	40.9	47.5	1.45 & 2.15 p.m. ...	36.0	9 p.m. ... 11.5 20
44.3	43.8	42.0	42.0	42.0	41.8	41.8	41.8	41.6	46.2	2.45 p.m. ...	35.1	1.30 a.m. ... 11.1 21
45.2	44.6	44.3	44.1	44.0	44.0	44.0	44.0	44.1	47.8	12.15 p.m. ...	40.7	5 a.m. ... 7.1 22
45.1	44.4	43.7	43.4	42.0	41.9	41.9	41.9	44.7	47.4	Noon ...	41.9	10 p.m.—midn't. 5.5 23
44.2	44.0	44.0	44.0	44.0	44.0	44.1	44.1	43.3	46.2	1.30 p.m. ...	40.5	4 a.m. ... 5.7 24
44.6	44.6	44.1	43.7	43.5	42.6	41.1	40.7	44.6	47.4	12.15 p.m. ...	40.7	Midnight ... 6.7 25
41.3	40.9	40.0	39.3	39.2	40.1	40.1	40.2	41.8	47.0	1.15 p.m. ...	39.2	9 p.m. ... 7.8 26
43.0	42.3	40.5	39.3	38.8	38.8	39.1	39.0	40.6	45.4	11.30 & 12.15 p.m. ...	37.7	8 a.m. ... 7.7 27
44.2	43.7	43.7	43.7	43.7	44.1	43.6	42.6	42.4	47.6	12.30 p.m. ...	36.8	5 a.m. ... 10.8 28
46.0	45.1	44.9	44.9	44.9	44.4	44.4	44.4	44.8	48.0	4.15 p.m. ...	42.6	0.1 a.m. ... 5.4 29
44.4	44.4	44.1	44.1	43.7	43.2	43.2	43.1	44.4	45.6	11 a.m. ...	43.1	Midnight ... 2.5 30
42.4	42.4	42.4	42.3	42.4	42.5	42.5	41.8	42.8	45.6	12.15 p.m. ...	41.8	Midnight ... 3.8 31
44.3	43.8	43.2	43.0	42.3	42.3	42.2	42.0	43.2	46.7	.....	39.5	..... 7.2 Mean,

Absolute Maximum = 49.0 at 1.30 p.m. on 3rd.

Absolute Minimum = 35.1 at 1.30 a.m. on 21st.

## MACQUARIE ISLAND.

Table II.—AIR TEMPERATURE

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	41.7	41.8	41.7	41.8	42.0	43.6	43.7	43.9	45.0	45.0	45.3	45.2	45.1	45.0	45.7	45.3
2	44.8	44.0	45.0	45.2	45.3	45.6	45.7	45.0	46.4	46.7	47.4	47.3	47.4	46.1	45.5	48.8
3	39.1	39.3	40.4	40.5	40.7	41.0	42.0	42.6	43.0	43.0	44.6	45.9	45.9	46.5	44.7	44.7
4	43.8	43.8	43.8	43.7	43.7	43.7	44.0	44.5	45.3	46.3	46.5	46.7	47.3	47.0	46.5	46.0
5	42.6	42.6	42.7	43.1	43.6	43.8	44.7	45.7	46.0	46.0	46.2	46.1	46.0	46.0	46.0	45.4
6	41.6	41.6	41.8	41.8	42.1	42.7	43.1	43.9	44.5	45.1	45.5	46.0	46.1	46.0	45.0	44.9
7	43.5	43.7	43.9	44.0	44.1	44.4	44.0	44.2	44.2	44.2	46.9	46.9	46.3	45.8	45.0	44.7
8	42.7	43.1	43.0	43.0	42.8	43.2	43.4	43.7	45.0	44.8	45.2	45.9	45.6	45.4	45.0	41.6
9	42.1	42.3	42.4	42.3	42.6	42.7	42.7	42.6	43.0	43.0	43.2	43.2	43.3	43.6	44.0	43.2
10	40.2	40.6	40.8	40.9	41.2	41.6	42.5	42.8	43.0	43.1	43.2	43.0	42.1	42.1	41.3	41.3
11	42.4	41.7	38.2	38.2	38.2	39.0	40.1	41.2	42.3	41.3	40.9	41.0	41.0	42.0	42.3	40.0
12	32.3	33.6	34.6	35.5	37.0	37.8	38.4	38.7	39.0	36.0	38.4	36.0	38.4	36.1	39.0	38.0
13	35.0	33.6	34.6	34.4	35.5	36.7	37.3	37.6	38.2	40.6	38.2	40.1	40.3	41.1	39.1	39.0
14	36.1	34.8	35.4	35.5	35.6	35.6	37.8	37.3	39.8	39.2	38.9	40.3	37.1	37.8	37.8	37.2
15	41.4	41.5	41.5	41.6	41.7	41.9	41.9	42.2	42.4	42.4	42.2	42.7	42.7	42.8	42.6	42.1
16	40.4	40.3	40.0	40.0	39.6	40.2	40.4	40.7	41.8	43.2	44.4	44.9	45.0	45.3	44.0	43.0
17	43.8	44.0	44.1	44.1	45.0	44.4	44.4	45.0	45.0	44.8	44.6	44.6	44.3	44.0	44.5	44.2
18	42.8	43.0	43.2	43.2	43.1	43.1	43.6	43.9	45.0	44.9	45.0	45.4	45.8	45.5	45.3	46.0
19	44.7	44.9	44.1	44.4	44.5	43.1	43.1	44.1	44.7	44.8	44.3	45.9	46.7	45.5	45.3	46.0
20	43.1	42.5	42.8	42.8	42.8	42.7	42.7	42.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
21	38.1	38.3	38.4	38.5	38.6	38.7	39.0	39.2	43.0	42.4	43.6	43.6	43.6	43.3	42.0	42.2
22	43.2	43.2	42.0	40.0	39.7	40.0	41.0	43.0	44.3	44.5	45.0	45.8	45.8	45.3	45.2	43.2
23	38.3	38.5	39.2	39.2	39.4	39.5	40.4	41.7	43.2	44.0	44.9	44.9	45.2	44.2	43.0	42.8
24	41.0	42.3	42.4	42.5	42.6	42.6	42.8	42.9	43.0	44.0	44.0	44.1	44.1	44.6	44.7	44.6
25	42.4	42.4	42.3	42.2	43.2	42.5	43.3	43.8	44.5	45.1	44.1	45.1	45.2	45.1	45.0	45.0
26	44.4	44.6	44.3	44.6	44.5	44.5	44.6	44.6	44.6	43.7	44.5	44.4	44.2	43.6	41.8	41.7
27	41.0	40.8	40.6	40.2	40.0	38.8	39.6	40.7	42.8	42.8	43.6	44.1	43.2	44.0	42.3	43.6
28	40.4	40.6	41.4	41.5	41.6	41.7	41.8	41.9	43.0	43.6	45.0	43.9	44.1	45.4	44.0	44.1
Mean.	41.2	41.8	41.2	41.2	41.4	41.6	42.1	42.5	43.3	43.2	43.5	44.1	44.0	44.3	43.5	43.3

Greatest range, 11.4 on 11th.

Least range, 3.2 on 25th.

## —HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

FEBRUARY, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
45.0	44.9	44.3	44.2	44.2	44.1	44.2	44.7	44.0	47.1	2.40 p.m. ...	41.7	1 a.m., 3 a.m. ...	5.4 1
48.8	48.8	48.8	44.9	43.0	41.9	39.8	39.4	45.6	48.8	4 p.m.—7 p.m. ...	39.4	Midnight ...	9.4 2
44.7	45.2	44.9	44.6	44.0	43.9	43.9	43.5	43.2	47.0	12.10 p.m. ...	39.0	1.30 a.m. ...	8.0 3
45.6	44.6	44.4	43.7	43.3	43.1	42.5	42.6	44.7	48.0	1.15 p.m. ...	42.5	11 p.m. ...	5.5 4
45.3	45.0	44.6	41.7	40.6	41.1	41.3	41.6	44.1	47.0	11.10 a.m. ...	40.5	8.45 p.m. ...	6.5 5
44.9	44.5	43.6	43.3	42.8	42.9	43.6	43.1	43.7	47.0	1.30 p.m. ...	41.6	0.2 a.m. ...	5.4 6
43.7	43.1	42.9	42.9	42.3	42.2	42.2	42.4	44.1	48.3	10.50 a.m. ...	42.1	8.30 p.m. ...	6.2 7
41.8	41.0	41.2	42.1	42.1	42.0	42.0	42.0	43.2	45.9	Noon ...	40.2	3.50 p.m. ...	5.7 8
43.3	43.4	43.3	42.4	41.8	41.4	39.6	40.4	42.6	44.0	3 p.m. ...	39.6	11 p.m. ...	4.4 9
40.4	41.9	41.1	42.0	42.3	42.3	42.2	42.2	41.8	43.8	8.30 a.m. ...	40.2	1 a.m. ...	3.6 10
39.0	37.0	39.7	35.8	33.3	34.7	33.2	32.9	46.9	43.5	1.45 p.m. ...	32.1	11.30 p.m. ...	11.4 11
40.2	41.9	40.9	39.2	37.7	38.6	37.1	37.2	37.5	42.5	6.15 p.m. ...	32.3	1 a.m. ...	10.2 12
39.1	38.5	37.2	37.1	37.0	35.8	36.1	36.2	37.0	42.3	1.30 p.m. ...	33.6	2 a.m. ...	8.7 13
37.7	36.7	36.0	36.2	37.0	37.3	38.1	39.3	37.2	43.8	11.45 a.m. ...	34.3	5.30 a.m. ...	9.5 14
42.9	41.6	41.3	41.2	41.0	41.5	40.5	40.5	41.7	43.1	1.15 p.m. ...	39.3	0 a.m. ...	3.8 15
43.8	43.7	43.6	43.5	43.4	43.5	43.6	44.0	43.0	46.0	1.10 p.m. ...	39.5	4.30 a.m. ...	6.5 16
44.2	43.5	43.2	42.6	42.3	42.5	42.3	42.0	44.0	45.8	2.15 p.m. ...	42.0	Midnight ...	3.8 17
46.0	46.0	46.1	46.0	46.1	46.0	46.0	45.3	44.8	46.6	6.30 p.m. ...	42.0	0 a.m. ...	4.6 18
45.0	44.5	44.2	43.2	43.0	43.2	42.9	42.8	44.5	47.7	1.15 p.m. ...	42.8	Midnight ...	4.9 19
42.0	41.8	40.9	40.5	39.4	39.1	38.4	38.0	41.9	43.1	1 a.m. ...	38.0	Midnight ...	5.1 20
42.2	42.3	42.7	42.7	43.0	43.0	43.1	43.2	41.3	43.6	11 a.m.—1 p.m. ...	38.0	0 a.m. ...	5.6 21
42.5	42.8	40.9	40.8	40.5	40.5	40.2	39.5	43.4	47.0	12.15 p.m. ...	39.0	4.30 a.m. ...	8.0 22
42.1	41.9	42.0	41.1	40.4	40.4	40.2	40.2	41.1	47.0	12.30 p.m. ...	38.3	1 a.m. ...	8.7 23
44.3	44.2	44.1	43.9	43.8	44.1	43.3	42.5	43.4	45.3	2.20 p.m. ...	40.2	0 a.m. ...	5.1 24
44.9	44.8	44.7	44.4	44.0	44.5	44.7	44.7	43.8	45.3	1.14 p.m. ...	42.1	5.30 a.m. ...	3.2 25
41.7	41.6	40.9	40.7	40.8	40.8	41.0	40.6	43.0	44.7	0 a.m. ...	40.6	11.30 p.m.—md't	4.1 26
42.7	40.9	41.6	41.4	41.0	41.0	41.0	40.1	42.0	44.2	2.30 p.m. ...	38.1	5.30 a.m. ...	6.1 27
43.4	43.1	42.9	43.1	43.2	43.3	43.4	43.3	42.8	46.2	2.15 p.m. ...	40.1	0 a.m. ...	6.1 28
42.8	43.3	42.6	42.0	41.5	42.0	41.3	41.2	42.5	45.5	.....	30.3	.....	6.2 Mean.

Absolute Maximum = 48.8 at 4 p.m.—7 p.m. on 2nd.

Absolute Minimum = 32.1 at 11.30 p.m. on 11th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	42.9	43.4	44.4	42.7	39.4	38.7	38.6	39.2	41.3	41.9	41.9	42.9	42.2	42.3	42.5	41.9
2	40.6	40.6	40.5	38.9	39.1	39.0	39.4	40.3	42.3	41.1	43.7	44.7	44.1	44.4	44.3	43.8
3	41.8	41.9	41.9	41.9	41.9	41.9	41.9	42.1	42.3	43.2	44.0	44.1	44.1	44.1	44.1	44.4
4	43.6	43.6	42.7	42.9	43.3	43.3	43.3	43.3	43.8	43.9	43.9	44.0	44.0	43.5	43.0	43.0
5	42.9	42.5	42.4	42.4	42.5	42.5	42.7	43.2	43.5	44.1	44.3	44.5	44.6	44.2	44.4	43.7
6	41.3	42.3	43.0	43.0	43.0	43.0	43.0	42.9	42.8	41.6	40.0	39.1	38.9	38.6	41.0	41.2
7	39.9	39.6	39.0	38.9	39.1	38.9	39.0	38.7	40.2	40.5	38.8	41.1	40.9	42.0	40.6	39.9
8	39.0	38.5	39.4	39.4	39.2	39.5	40.4	40.8	42.0	42.5	42.4	42.4	42.4	42.5	42.4	42.6
9	43.2	42.7	42.5	42.3	42.3	42.3	42.3	42.3	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.5
10	38.6	39.2	39.4	39.7	39.9	39.8	40.0	40.5	40.4	41.7	41.8	42.8	42.4	42.4	41.5	41.2
11	40.7	41.0	41.5	41.5	41.5	41.9	42.2	42.4	42.8	43.0	43.6	43.6	44.1	44.1	44.5	44.7
12	41.8	41.9	41.9	42.3	42.3	42.1	42.2	42.8	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.4
13	41.6	41.9	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.5	42.4	42.8	43.2	42.3	44.0	44.1
14	43.8	43.8	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.3	44.3	45.0	44.8	44.7	44.3	44.3
15	43.7	43.7	43.2	43.3	43.5	43.4	43.4	43.5	43.6	43.5	43.3	43.4	43.9	44.5	44.0	44.0
16	42.8	42.9	42.6	42.3	42.2	42.2	42.3	42.3	42.8	43.1	43.7	45.1	45.4	44.3	44.8	44.4
17	44.4	44.3	44.1	44.1	44.0	43.7	43.8	43.9	42.6	43.1	42.5	42.5	42.5	42.5	42.0	41.5
18	46.3	45.5	45.4	44.4	44.2	44.1	44.2	44.2	43.8	43.8	43.6	43.6	43.7	43.9	44.0	43.5
19	43.1	42.7	42.7	42.6	42.4	42.5	42.6	42.7	42.2	42.7	42.8	43.4	43.8	44.0	44.0	43.7
20	41.2	40.9	41.3	41.4	41.1	40.8	40.4	40.9	40.9	42.0	42.7	43.0	43.2	42.3	42.6	42.1
21	41.2	41.3	41.8	43.6	43.6	43.6	43.6	43.6	44.0	44.5	44.4	44.0	46.4	45.0	45.0	43.5
22	39.2	38.8	38.7	38.7	38.7	38.8	38.8	38.8	39.0	40.0	41.3	42.3	43.1	43.4	42.1	40.8
23	39.7	40.0	40.8	41.1	41.7	41.9	42.1	42.4	43.0	43.6	43.7	43.7	44.0	44.0	44.0	44.0
24	44.1	44.0	44.0	43.9	43.9	44.0	44.1	44.4	44.4	43.6	44.0	45.3	45.4	43.3	43.7	43.2
25	41.3	40.6	41.9	42.0	41.3	40.7	41.6	42.6	44.9	44.7	44.9	45.3	45.1	44.9	44.4	43.8
26	44.5	44.5	44.5	44.5	44.5	44.4	44.5	44.5	44.5	44.5	44.8	45.2	45.2	44.9	45.0	44.9
27	44.7	44.6	43.8	43.6	43.6	43.6	43.3	43.2	43.0	42.8	42.7	42.8	43.0	42.8	42.6	42.3
28	39.2	38.7	37.7	37.6	37.3	37.4	37.3	37.4	37.8	39.2	38.6	38.1	38.4	38.9	40.0	40.0
29	38.2	38.7	39.0	39.0	39.0	39.1	39.4	40.1	40.6	42.5	43.0	42.4	42.6	42.0	42.0	41.6
30	42.2	42.4	42.5	42.6	42.9	43.1	43.2	43.4	44.3	44.0	44.0	44.5	44.9	45.3	45.3	45.2
31	40.6	41.9	42.6	43.1	43.0	43.0	42.7	43.6	44.0	42.1	43.0	42.3	41.3	43.6	44.0	44.4
Mean:	41.0	41.9	42.0	41.9	41.8	41.8	41.9	42.1	42.6	42.8	42.9	43.3	43.4	43.2	43.3	43.0

Greatest range, 9.0 on 22nd.

Least range, 1.6 on 26th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

MARCH, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean.	Maximum.	Minimum.	Range	Date
42.5	41.9	41.9	41.6	41.4	40.2	40.4	40.8	41.6	44.4	3 a.m.	..	37.6
43.0	42.0	42.7	42.7	40.4	42.1	42.1	41.5	41.8	45.8	2-30 p.m.	..	38.0
44.2	44.1	43.8	43.6	43.4	43.4	43.4	43.4	43.1	44.4	4 p.m.	..	41.5
42.7	41.0	41.5	41.9	42.4	42.5	42.7	42.9	43.0	45.0	1-15 p.m.	..	40.1
43.4	41.8	42.4	42.1	42.0	41.8	40.0	40.4	42.0	44.8	1-30 p.m.	..	40.0
41.3	40.9	40.1	40.1	40.1	40.5	39.8	39.8	41.1	43.0	3-7 a.m.	..	38.6
39.8	39.2	39.2	39.5	38.1	39.0	39.1	39.7	39.6	43.0	2-15 p.m.	..	37.0
42.7	42.9	43.0	43.1	43.0	43.2	43.2	43.2	41.6	43.2	10 p.m.—midn't	..	38.3
41.6	40.5	39.8	39.7	39.0	39.0	38.2	38.4	41.7	43.2	0-1 a.m.	..	37.7
41.1	40.3	40.2	40.3	40.4	40.5	40.7	40.6	44.7	44.7	1-15 p.m.	..	38.4
44.0	43.3	43.0	42.4	42.0	41.7	41.7	41.9	42.6	44.8	3-30 p.m.	..	40.7
42.5	42.1	42.0	41.9	41.2	41.7	41.7	41.6	42.5	43.4	10 a.m.—4 p.m.	..	41.0
43.7	43.4	43.2	43.1	43.0	42.8	43.0	43.4	42.7	44.6	3-20 p.m.	..	41.6
44.2	44.3	44.2	43.7	43.7	43.7	43.7	43.7	44.0	46.7	11-45 a.m.	..	43.4
44.1	44.2	44.3	44.3	43.0	43.3	42.9	42.9	43.6	45.3	1-30 p.m.	..	42.9
45.0	43.7	43.5	44.2	44.2	44.3	44.2	44.4	43.6	46.3	1-30 p.m.	..	42.2
41.7	41.9	42.1	42.6	43.3	44.7	44.3	45.5	43.2	45.5	Midnight	..	41.1
43.4	43.4	43.4	43.4	42.7	42.7	42.7	43.1	43.9	47.0	1-30 a.m.	..	42.7
43.4	42.9	42.6	42.2	41.4	41.3	41.4	41.3	42.7	44.8	2-30 p.m.	..	41.3
42.1	42.0	41.8	41.2	39.5	38.9	40.1	40.9	41.5	45.0	10-15 a.m.	..	38.1
42.4	41.4	41.0	40.4	40.0	40.1	39.7	39.6	42.7	46.9	1-30 p.m.	..	39.6
40.4	37.2	37.2	36.7	36.5	37.6	37.9	38.6	39.5	44.9	12-30 p.m.	..	35.9
44.0	44.7	44.6	45.4	45.7	46.4	44.8	44.5	43.2	46.4	9-45 p.m.	..	38.6
42.1	40.3	40.5	39.7	40.2	40.5	40.5	41.1	43.0	45.8	1-20 p.m.	..	38.4
43.7	44.5	43.3	42.9	42.8	43.4	44.5	44.5	43.2	46.0	12-30 p.m.	..	40.6
44.8	44.5	44.5	45.2	45.2	45.0	45.0	45.0	44.7	46.0	12-30 p.m.	..	44.4
42.3	42.3	42.0	41.1	40.6	40.1	40.0	39.7	42.6	45.0	0 a.m.	..	39.7
39.7	39.5	39.5	39.4	39.0	39.1	39.2	38.2	38.7	41.0	3-35 p.m.	..	37.0
41.5	41.2	40.6	40.7	41.0	41.5	41.9	41.0	40.7	44.3	11-45 a.m.	..	38.2
45.2	45.2	45.4	45.5	45.7	45.5	40.4	39.7	43.9	46.0	9-30 p.m.	..	39.7
41.0	41.4	41.9	42.2	42.2	42.8	42.6	41.5	42.5	44.4	4 p.m.	..	39.7
42.7	42.2	42.1	42.0	41.7	41.9	41.7	41.7	42.3	44.8	.....	.....	39.8
												5.0
												Mean.

Absolute Maximum = 47.0 at 1.30 a.m. on 18th; Absolute Minimum = 35.9 at 6.15 p.m. on 22nd.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table II.-AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	40.9	39.3	39.6	40.7	40.4	40.8	41.3	41.5	42.0	42.3	42.6	43.0	42.7	42.3	40.9	30.4
2	37.2	37.4	37.3	37.0	37.1	37.2	37.4	39.1	39.7	39.4	40.1	38.3	37.6	37.8	36.0	36.2
3	34.5	35.2	35.9	37.4	37.8	38.0	38.9	38.9	38.6	40.4	40.0	40.0	41.0	38.8	39.1	39.0
4	37.1	37.0	37.4	37.5	37.5	37.8	37.9	38.5	39.7	40.5	38.4	40.3	41.0	37.9	39.5	38.4
5	35.3	34.0	34.4	34.9	35.8	36.4	37.6	38.3	40.1	40.4	40.5	41.2	40.0	41.2	40.0	40.4
6	41.5	41.2	41.5	41.8	42.1	42.3	42.5	42.8	43.7	43.8	43.8	44.0	44.1	44.3	44.4	44.3
7	44.4	44.8	45.0	44.9	45.2	44.9	44.9	44.9	45.0	45.5	45.6	45.7	45.8	45.9	46.3	46.5
8	46.8	46.7	46.3	46.3	46.3	46.3	46.5	46.4	46.2	46.4	46.5	46.7	46.6	46.2	46.3	46.2
9	44.9	45.1	44.7	44.3	44.3	44.1	43.8	43.8	44.2	44.2	44.4	44.4	44.4	44.3	44.0	43.6
10	42.8	42.9	42.9	43.0	43.0	42.1	42.5	42.6	42.6	43.1	42.8	41.5	41.0	40.4	39.6	39.4
11	34.8	35.2	35.8	36.5	37.3	38.3	39.0	39.5	37.7	39.3	42.1	42.1	42.2	42.5	43.0	42.7
12	40.4	40.4	40.4	40.4	40.7	40.8	40.7	42.1	43.2	43.8	44.4	43.6	42.7	42.9	42.8	41.2
13	38.9	36.6	37.1	37.1	36.8	36.0	35.1	35.9	37.6	35.6	37.3	38.5	38.2	35.3	35.0	36.0
14	37.5	36.6	37.6	38.5	40.6	42.6	41.1	41.7	42.2	42.7	43.0	42.7	43.0	41.6	42.3	41.4
15	41.6	41.6	41.9	42.0	42.1	42.2	42.2	42.4	42.7	42.9	42.9	42.8	42.7	42.4	42.2	42.0
16	32.8	32.0	32.6	33.2	33.8	34.4	34.8	35.3	36.4	37.7	37.7	39.8	40.6	41.2	39.0	40.4
17	40.8	40.9	41.2	41.3	41.5	41.6	41.6	41.6	41.6	42.3	41.6	42.2	42.1	42.9	42.1	42.5
18	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.1	43.5	43.8	43.7	43.8	43.6	43.7
19	40.9	40.6	41.2	40.1	41.4	41.0	39.8	41.4	42.0	42.8	43.0	42.8	42.5	42.7	42.8	42.4
20	42.5	42.5	41.7	41.5	41.3	41.3	40.2	40.4	41.0	40.2	40.2	40.9	40.3	40.4	40.5	40.4
21	41.7	42.0	42.4	42.8	43.0	42.9	42.8	42.8	43.0	43.4	43.5	43.3	43.0	43.1	43.0	43.3
22	43.4	43.4	44.0	44.0	43.9	43.9	43.9	43.9	44.0	44.2	44.5	44.6	44.9	44.9	44.7	44.3
23	39.5	39.5	39.7	39.2	39.4	39.6	39.3	38.9	38.8	38.8	38.9	39.0	38.1	38.0	38.4	38.4
24	38.6	38.7	38.6	38.5	38.5	38.6	38.6	38.6	39.2	39.7	40.6	40.7	40.8	40.8	39.7	39.5
25	38.3	38.9	39.1	39.3	39.6	39.7	39.6	39.2	38.5	38.0	38.5	38.9	39.2	39.4	39.3	39.2
26	39.9	40.1	40.2	40.2	40.3	40.3	40.4	40.8	41.0	42.0	41.9	41.9	42.0	42.2	42.6	42.6
27	43.0	42.5	42.1	42.1	42.1	42.1	42.5	42.5	42.3	42.4	42.6	42.9	42.9	43.0	43.0	43.0
28	43.0	42.3	42.0	41.2	41.0	40.8	40.0	39.0	39.4	39.0	38.5	39.0	39.5	40.1	40.0	39.8
29	39.4	39.1	38.4	37.9	38.2	38.0	38.3	38.2	38.0	36.7	35.4	37.8	38.1	37.6	37.5	35.6
30	32.3	32.9	34.6	35.1	35.3	35.6	36.0	36.1	37.2	37.8	38.6	39.6	40.3	40.7	41.0	41.3
Mean.	39.9	39.8	40.0	40.4	40.3	40.4	40.4	40.7	41.1	41.3	41.4	41.7	41.7	41.5	41.3	41.1

Greatest range, 9.6 on 16th.

Least range, 1.1 on 27th.

## —HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

APRIL, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean..	Maximum.		Minimum.		Range.	Date.
39.5	38.5	38.0	37.9	39.0	38.8	38.2	38.5	40.4	43.0	Noon	... 37.9	8 p.m. ...	5.1	1
36.4	36.5	36.7	36.9	35.7	34.5	34.5	34.5	37.2	41.4	10.45 a.m.	... 34.5	10 p.m.-midn't...	6.9	2
37.2	37.4	37.4	37.4	37.4	36.7	37.0	36.7	37.9	41.8	12.30 p.m.	... 34.5	0-1 a.m. ...	7.3	3
38.1	37.1	37.8	38.4	38.8	37.6	37.2	35.8	38.2	41.6	1.15 p.m.	... 36.7	0 a.m. ...	4.9	4
41.2	41.7	41.9	42.0	42.0	42.0	41.7	41.7	39.3	42.0	8-10 p.m.	... 34.0	2 a.m. ...	8.0	5
44.3	44.3	44.5	44.6	44.3	44.4	44.4	44.4	43.4	44.6	8 p.m.	... 41.0	2.30 a.m. ...	3.6	6
46.4	46.4	46.3	46.3	46.0	46.1	46.0	46.0	45.6	46.5	4 p.m.	... 44.4	0-1 a.m. ...	2.1	7
45.8	45.7	45.6	45.5	45.2	44.9	44.9	44.8	46.1	47.0	12.30 p.m.	... 44.8	Midnight ...	2.2	8
42.2	42.8	43.1	43.2	43.0	42.9	43.1	42.9	43.9	45.3	1.30 a.m.	... 42.2	5 p.m. ...	3.1	9
37.7	36.5	35.3	34.6	34.4	34.0	34.1	34.2	39.9	43.1	10 a.m.	... 33.8	10.30 p.m. ...	9.3	10
43.3	43.3	43.3	42.3	42.3	40.2	40.6	40.1	43.7	6.30 p.m.	... 34.2	0 a.m. ...	9.5	11	
38.8	39.8	36.4	37.7	38.7	37.1	36.6	36.9	40.6	45.0	11.30 a.m.	... 36.4	7 p.m. ...	8.6	12
36.4	36.2	36.0	35.3	35.7	36.1	37.1	37.4	36.6	38.5	Noon ...	... 35.0	3 p.m. ...	3.5	13
41.4	41.7	41.0	41.5	41.4	41.3	41.3	41.6	41.0	43.8	11.15 a.m.	... 36.6	2 a.m. ...	7.2	14
42.0	40.5	38.6	37.4	36.7	36.0	35.7	33.7	40.9	43.0	11.15 a.m.	... 33.7	Midnight ...	9.3	15
36.6	40.0	40.1	41.3	41.0	41.1	41.1	40.4	37.5	41.6	8.15 p.m.	... 32.0	2 a.m. ...	9.6	16
42.5	42.8	42.9	43.0	43.0	43.2	43.2	43.2	42.1	43.2	10 p.m.-midn't...	... 40.4	0 a.m. ...	2.8	17
43.9	43.6	43.4	42.5	42.7	42.5	41.7	41.8	43.2	44.1	4.30 p.m.	... 41.8	Midnight ...	2.3	18
42.5	42.5	43.0	43.0	43.0	42.9	42.7	42.5	42.1	43.8	2.30 p.m.	... 38.3	3.15 a.m. ...	5.5	19
39.8	39.8	39.9	39.9	40.0	40.2	40.6	41.0	40.7	42.5	0-2 a.m.	... 39.7	6.10 p.m. ...	2.7	20
43.5	43.4	43.4	43.6	43.2	43.1	43.3	43.4	43.0	43.6	8 p.m.	... 41.0	0 a.m. ...	2.6	21
43.9	43.6	43.2	43.1	42.1	39.4	40.2	40.2	43.5	45.4	12.30 p.m.	... 39.4	10 p.m. ...	6.0	22
38.0	37.8	38.2	38.2	38.2	37.6	37.1	37.5	38.7	40.2	0 a.m.	... 37.1	11 p.m. ...	3.1	23
39.5	39.0	38.8	38.8	38.3	38.3	38.3	38.3	39.1	40.8	1-2 p.m.	... 37.5	0 a.m. ...	3.3	24
39.1	39.0	39.0	39.0	39.2	39.2	39.4	39.5	39.1	39.7	6 a.m.	... 38.0	10 a.m. ...	1.7	25
42.8	42.9	43.0	42.9	43.3	43.2	43.0	43.0	41.7	44.1	9.15 p.m.	... 39.5	0 a.m. ...	4.6	26
43.0	43.2	43.1	43.0	42.7	42.7	42.7	42.7	42.7	43.2	6 p.m.	... 42.1	3-6 a.m. ...	1.1	27
40.0	40.4	40.8	40.9	41.5	41.5	39.5	39.1	40.4	43.2	0.45 a.m.	... 38.5	11 a.m. ...	4.7	28
35.4	35.2	34.7	34.0	34.4	34.1	33.5	33.2	36.7	39.4	1 a.m.	... 33.2	Midnight ...	6.2	29
41.3	41.3	40.8	40.5	40.9	40.9	40.0	40.2	38.2	41.3	4-6 p.m.	... 32.3	1 a.m. ...	9.0	30
40.8	40.8	40.5	40.5	40.5	40.2	39.0	39.9	40.7	42.9	.....	... 37.8	.....	5.1	Mean.

Absolute Maximum = 47.0 at 12.30 p.m. on 8th.    Absolute Minimum = 32.0 at 2 a.m. on 16th.

Table II.—AIR TEMPERATURE

STATED IN

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	40.0	39.0	39.6	39.6	39.5	38.2	38.0	38.0	38.0	38.5	38.8	38.0	39.0	37.9	38.3	37.0
2	36.3	36.1	35.9	35.9	35.8	35.7	35.8	35.7	36.0	36.2	36.7	36.5	36.6	36.6	36.4	36.5
3	39.5	39.7	40.2	40.3	40.4	40.5	40.4	40.5	40.5	40.6	41.2	41.4	41.5	41.7	41.6	40.7
4	37.3	37.0	37.0	36.9	36.0	36.0	36.0	36.0	36.8	36.8	37.2	38.0	38.7	38.7	39.0	
5	41.2	41.3	41.5	41.6	41.2	41.1	38.1	37.2	37.5	37.4	38.1	37.8	38.0	37.6	37.4	35.8
6	33.6	32.9	33.7	34.0	33.4	32.8	32.2	32.0	35.0	35.6	36.4	36.4	36.5	36.6	36.7	37.0
7	41.5	40.5	39.1	34.7	35.3	36.0	36.5	37.0	37.9	37.8	38.3	38.8	38.9	39.2	39.2	39.6
8	41.0	40.6	40.8	40.1	39.8	39.7	39.7	39.3	37.4	36.3	36.6	36.4	35.8	35.6	35.0	33.4
9	31.4	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	31.4	30.9	31.0
10	29.6	30.3	31.2	31.2	31.2	31.7	32.0	32.2	32.4	32.6	34.4	34.9	34.9	34.7	35.0	34.9
11	35.4	36.5	36.8	37.6	38.0	38.7	39.9	40.2	40.8	41.2	41.6	41.9	41.9	41.6	41.2	41.3
12	42.5	42.0	41.2	40.3	40.3	40.3	40.3	38.6	39.0	40.6	40.6	37.6	37.5	36.7	37.0	37.0
13	38.2	38.1	38.4	37.3	36.9	37.5	37.2	37.3	37.3	39.0	39.6	39.6	39.3	39.5	38.0	37.8
14	40.3	40.9	41.0	41.4	41.7	41.8	41.0	40.0	38.3	38.1	38.0	37.0	37.0	37.5	37.4	37.3
15	34.9	35.5	35.6	35.7	36.0	35.2	35.7	36.4	36.6	36.5	37.0	37.2	37.7	38.0	38.1	38.3
16	39.8	40.0	40.3	40.7	40.9	41.0	41.0	41.0	41.0	39.4	38.9	37.3	37.2	37.1	37.0	37.2
17	37.4	36.9	37.4	37.8	38.0	38.0	38.2	38.3	38.7	38.9	38.8	38.8	38.5	38.7	39.0	38.8
18	38.0	38.1	37.3	37.6	37.2	36.6	36.9	36.6	36.0	36.4	35.9	36.4	34.8	34.6	34.0	33.2
19	32.4	33.1	34.1	34.4	34.7	35.3	35.5	35.7	35.7	36.6	36.6	36.6	36.4	36.2	36.0	36.1
20	33.4	33.4	33.4	33.4	34.4	34.4	34.4	34.4	34.4	34.5	34.6	34.8	35.2	35.3	34.4	32.9
21	32.1	33.3	33.4	33.1	32.7	32.3	32.1	32.7	33.0	33.3	33.6	33.7	33.8	33.8	33.4	33.3
22	38.6	40.0	40.9	40.5	40.5	40.5	40.5	40.4	41.2	41.4	41.2	41.3	41.0	40.4	38.7	37.0
23	36.8	36.7	37.1	37.2	38.1	36.1	38.0	38.3	39.0	39.7	39.0	39.4	39.9	40.0	40.0	40.3
24	39.9	40.0	40.1	40.2	40.3	40.3	40.4	40.5	40.4	40.9	41.4	41.2	41.3	41.4	41.6	41.7
25	41.4	41.1	41.3	41.4	41.4	41.3	41.3	41.2	41.0	41.2	41.3	41.4	41.5	41.6	41.7	41.5
26	40.2	40.3	40.8	40.6	41.5	42.1	42.2	42.0	41.2	41.0	41.1	41.2	41.2	41.0	40.0	39.9
27	39.1	39.0	38.0	38.1	38.0	39.0	39.0	38.9	39.0	38.2	37.6	37.0	36.8	36.8	37.1	36.9
28	33.7	33.5	33.2	32.8	32.6	31.0	32.1	31.8	33.2	34.0	35.1	35.0	35.2	32.7	32.1	32.1
29	31.0	31.6	33.0	34.0	35.6	35.6	35.6	36.6	37.3	37.5	37.5	37.9	38.8	39.2	38.4	36.4
30	30.8	31.2	31.4	31.9	32.9	33.1	33.1	34.2	36.4	37.6	37.6	37.4	38.5	40.0	40.3	40.6
31	36.8	36.7	36.5	36.7	37.1	37.7	37.7	37.7	38.3	38.7	40.4	40.6	40.6	41.0	39.8	
Mean.	37.0	36.8	37.2	37.0	37.2	37.1	37.1	37.1	37.5	37.7	38.0	37.9	37.9	37.8	37.6	37.3

Greatest range, 10.0 on 30th.

Least range, 2.6 on 25th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

MAY, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.		Minimum.		Range.	Date.	
38.2	37.9	37.2	36.3	36.4	37.0	36.3	36.5	38.2	40.2	0 a.m.	36.0	8.30 p.m.	4.2	1	
36.5	36.5	37.0	38.2	39.1	39.3	39.5	39.6	36.8	39.6	Midnight	35.0	8.10 a.m.	4.6	2	
40.0	39.3	39.0	38.9	38.3	38.2	38.1	37.4	40.0	42.2	2.15 p.m.	37.4	Midnight	4.8	3	
40.0	40.0	40.1	40.6	40.9	40.9	41.0	41.0	38.2	41.0	11 p.m.—midn't.	36.0	5.8 a.m.	5.0	4	
35.8	35.1	35.0	34.9	33.8	34.1	34.1	34.3	37.6	41.6	4 a.m.	33.8	9 p.m.	7.8	5	
37.0	37.0	37.3	38.0	41.3	41.7	41.7	41.7	36.1	41.7	10 p.m.—midn't.	32.0	8 a.m.	9.7	6	
39.7	39.7	39.8	40.3	41.9	42.0	41.0	41.0	39.0	42.0	10 p.m.	34.7	4 a.m.	7.3	7	
33.9	32.4	32.3	32.2	32.3	31.6	31.6	31.5	36.2	41.0	0-1 a.m.	31.5	Midnight	9.5	8	
31.0	31.0	31.0	31.0	30.3	29.6	29.0	31.6	33.0	12.30 p.m.	29.0	Midnight	4.0	9		
34.8	35.0	35.2	35.3	35.4	35.0	34.9	35.2	33.3	35.4	9 p.m.	29.0	0 a.m.	6.4	10	
41.6	41.8	41.8	41.8	41.7	42.1	42.3	42.4	40.7	42.4	Midnight	34.9	0 a.m.	7.5	11	
34.6	35.8	37.4	37.4	39.0	39.3	37.6	37.2	38.6	42.5	1 a.m.	34.6	5 a.m.	7.9	12	
38.6	38.6	38.7	39.2	39.2	40.0	40.2	40.3	38.5	40.3	Midnight	36.4	6.30 a.m.	3.9	13	
36.3	35.1	35.4	35.3	35.5	35.4	34.9	34.9	38.1	42.0	6.15 a.m.	34.9	11 p.m.	7.1	14	
39.0	38.9	39.2	39.6	39.8	40.2	40.1	39.8	37.5	40.4	10.15 p.m.	34.0	7.30 a.m.	6.4	15	
37.2	36.7	37.0	37.0	37.0	37.3	35.6	36.7	38.6	41.2	9.30 a.m.	35.0	10.45 p.m.	6.2	16	
38.9	39.2	39.3	38.3	39.0	38.9	38.4	38.4	38.4	39.6	7.30 p.m.	36.7	0 a.m.	2.9	17	
33.4	33.5	33.5	32.9	31.4	31.8	31.8	32.1	35.1	38.4	0 a.m.	31.0	8.45 p.m.	7.4	18	
35.7	35.5	34.8	34.6	33.4	33.4	33.4	33.4	34.9	36.6	10 a.m.—noon	32.1	0 a.m.	4.5	19	
33.8	33.6	33.4	33.0	33.9	33.0	32.9	32.3	33.9	36.0	11.45 a.m.	32.3	Midnight	3.7	20	
33.7	33.9	34.1	34.7	35.3	36.2	36.6	36.6	33.7	36.6	11 p.m.—midn't.	31.1	6.30 a.m.	5.5	21	
37.4	38.1	37.3	37.0	38.2	36.9	38.7	38.9	39.4	42.2	12.45 p.m.	36.6	0 a.m.	5.6	22	
40.8	40.8	40.2	40.0	39.0	39.2	39.5	39.8	38.7	40.8	5-6 p.m.	36.1	6 a.m.	4.7	23	
42.3	42.5	42.2	42.0	41.4	41.7	41.8	41.8	41.1	42.5	6 p.m.	39.8	0 a.m.	2.7	24	
41.1	40.9	40.3	40.2	39.7	39.7	39.8	40.0	41.0	41.8	0 a.m.	39.2	8.45 p.m.	2.6	25	
39.5	39.5	39.5	39.5	39.2	39.2	39.3	39.3	40.5	42.6	6.30 a.m.	39.2	9.10 p.m.	3.4	26	
36.7	35.5	35.6	35.6	35.7	35.4	34.5	33.9	37.2	39.3	0 a.m.	33.9	Midnight	5.4	27	
30.5	30.2	30.7	30.0	30.1	28.8	29.4	30.0	32.2	37.3	1.30 p.m.	28.8	6 a.m.	8.5	28	
35.5	34.4	32.9	32.2	31.4	30.8	30.3	30.6	34.7	39.3	2.30 p.m.	30.0	0 a.m.	9.3	29	
40.5	40.4	39.4	38.3	38.4	38.5	37.9	37.3	36.4	40.6	4 p.m.	30.6	0 a.m.	10.0	30	
39.1	38.9	38.5	37.7	38.3	37.9	37.4	37.3	38.4	41.0	3 p.m.	35.7	3.30 a.m.	5.3	31	
5	37.2	37.0	36.9	36.8	37.0	36.9	36.8	36.8	37.2	40.0	.....	34.2	.....	5.8	Mean.

Absolute Maximum = 42.6 at 6.30 a.m. on 26th.      Absolute Minimum = 28.8 at 10 p.m. on 28th.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	37.3	36.9	36.7	36.3	35.7	34.9	33.5	34.5	35.3	36.3	35.3	35.2	35.0	34.8	36.0	38.5
2	40.0	40.0	39.9	39.9	39.9	39.9	39.8	39.8	39.6	39.6	39.8	40.2	40.5	40.5	41.1	41.1
3	38.9	39.3	39.4	39.3	38.4	38.4	38.5	36.9	38.0	38.7	37.2	39.4	39.3	40.2	40.4	41.0
4	41.0	41.0	41.0	41.0	40.4	38.9	38.9	38.6	38.3	38.3	38.1	37.4	37.7	37.6	37.5	
5	35.9	37.1	37.2	37.2	36.2	35.2	35.3	34.8	35.0	34.7	36.6	35.0	36.0	35.1	34.0	33.7
6	34.5	34.5	34.8	34.9	35.0	33.6	33.9	34.0	35.7	36.1	36.2	37.0	36.7	35.9	36.0	35.8
7	34.7	34.6	33.9	33.0	33.6	33.2	33.2	34.1	35.7	35.6	35.7	35.0	34.8	33.7	33.0	32.8
8	29.3	29.6	29.0	29.0	29.0	28.2	29.2	29.0	30.0	30.4	31.3	31.9	32.0	31.6	31.4	32.2
9	32.5	32.4	32.4	32.7	32.3	32.3	32.3	33.5	33.2	33.2	35.3	37.0	37.1	37.5	37.3	37.3
10	33.6	33.4	33.1	33.1	34.2	35.4	36.5	37.3	38.5	39.3	39.9	40.0	40.0	40.0	40.4	40.4
11	39.0	39.0	39.2	39.7	40.0	40.0	40.0	39.9	38.7	38.6	37.1	36.8	36.6	35.9	34.4	35.4
12	37.0	38.1	38.9	39.2	39.5	39.9	40.1	40.4	40.4	40.4	40.3	40.3	40.1	39.7	39.4	39.4
13	41.0	41.0	41.0	41.2	41.3	41.4	41.4	40.8	41.0	41.1	41.0	40.8	40.6	40.2	40.1	40.1
14	32.4	32.8	33.4	33.3	34.1	34.7	35.0	35.3	35.2	35.3	35.8	36.5	36.9	37.2	38.1	36.9
15	31.9	31.9	31.0	30.1	30.0	29.0	26.9	25.8	27.2	27.1	26.7	27.3	27.8	28.0	25.6	26.5
16	28.2	27.2	27.3	27.0	27.3	26.9	26.8	26.7	27.0	29.3	29.3	29.3	30.5	30.5	31.7	34.4
17	36.7	37.3	38.1	38.1	38.1	38.1	38.4	37.5	36.6	35.9	34.6	32.3	32.8	30.6	29.4	28.6
18	26.3	26.3	26.3	26.4	26.6	26.9	27.7	27.9	28.0	28.0	28.0	28.0	28.0	28.0	27.8	26.8
19	31.8	32.9	35.3	34.5	40.8	40.7	40.6	40.0	40.0	40.2	40.2	40.9	40.8	40.3	40.3	40.3
20	38.2	38.1	39.1	39.4	37.3	38.7	38.0	38.2	38.6	38.6	38.7	39.2	37.7	38.0	38.0	37.4
21	34.2	34.1	33.6	33.3	32.2	31.2	31.2	31.8	32.1	31.9	32.0	31.9	32.3	32.3	32.3	32.1
22	35.2	35.3	35.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.8	36.6	36.1	36.1
23	36.0	36.6	36.8	36.8	36.8	36.8	36.8	37.2	37.4	37.4	37.4	37.5	38.0	38.0	38.0	
24	39.8	39.8	39.3	39.8	39.8	39.8	39.6	39.5	40.0	40.0	40.0	40.6	40.7	40.7	40.2	
25	38.5	38.4	37.8	37.8	37.5	37.3	37.1	37.3	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26	40.0	40.0	39.9	39.9	39.6	39.0	39.0	39.0	38.7	38.9	38.9	38.9	39.0	39.1	39.1	
27	36.9	37.6	37.9	37.9	37.9	38.2	38.1	39.0	39.0	39.0	39.0	39.3	39.2	39.8	40.0	40.0
28	38.8	39.2	39.2	39.2	39.2	39.3	39.3	39.3	40.0	40.5	40.4	40.2	40.0	40.1	40.0	40.1
29	40.9	41.0	40.9	41.0	41.3	41.3	41.4	41.6	41.6	41.6	41.6	41.5	41.6	41.4	41.0	41.1
30	42.4	42.1	42.1	40.5	38.0	37.2	36.0	36.8	36.2	36.5	36.3	36.3	36.3	36.2	35.8	35.6
Mean.	36.1	36.2	36.4	36.2	36.2	36.1	36.0	36.0	36.3	36.5	36.5	36.6	36.7	36.6	36.4	36.5
Range	3.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Greatest range, 14.3 on 17th. Least range, 1.6 on 22nd.

—HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

JUNE, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
39.7	40.0	39.9	40.0	40.0	40.0	40.1	40.1	37.1	40.1	11 p.m.—midn't.	33.3	8.30 a.m. ... 6.8
41.2	41.3	41.1	41.0	41.0	41.0	41.0	38.4	40.4	41.6	5.50 p.m. ...	38.4	Midnight ... 2.2
40.9	41.5	42.1	42.0	42.6	42.7	42.5	42.9	39.9	43.0	11.45 p.m. ...	35.5	8.10 a.m. ... 7.5
37.3	37.2	37.0	37.0	36.2	36.3	36.2	35.9	38.4	42.9	0 a.m. ...	35.9	Midnight ... 7.0
33.5	33.5	33.6	33.2	34.6	34.3	34.3	34.4	35.1	37.2	3-4 a.m. ...	31.9	8.30 p.m. ... 5.3
35.5	35.8	35.6	35.3	35.1	35.0	34.9	34.8	35.3	38.0	11.45 a.m. ...	33.6	6 a.m. ... 4.2
33.0	32.0	30.7	29.7	30.5	29.1	30.3	29.0	33.1	36.0	11.30 a.m. ...	29.0	Midnight ... 7.0
32.6	32.8	31.2	29.3	28.3	29.0	29.4	30.9	30.2	33.8	12.30 p.m. ...	28.2	6 a.m. ... 5.6
37.2	37.2	37.0	36.8	36.3	35.5	34.6	34.4	34.8	38.5	2.20 p.m. ...	30.9	0 a.m. ... 7.6
40.4	40.3	39.4	39.4	39.0	39.2	39.7	39.0	37.9	40.6	2.45 p.m. ...	33.0	3.30 a.m. ... 7.6
35.1	35.0	35.0	34.9	34.9	35.0	35.8	36.4	37.2	40.0	5-7 a.m. ...	34.2	2.45 p.m. ... 5.8
39.1	38.8	39.1	39.8	39.7	39.7	40.7	41.0	39.5	41.0	Midnight ...	36.4	0 a.m. ... 4.6
39.8	39.2	37.9	35.9	34.3	33.8	33.3	32.8	39.4	41.4	6-7 a.m. ...	32.8	Midnight ... 8.6
35.7	34.2	34.2	34.2	34.3	34.3	34.7	33.3	34.9	38.1	3 p.m. ...	32.4	1 a.m. ... 5.7
25.6	26.1	26.6	26.2	24.0	26.8	24.1	27.7	27.6	33.5	0.15 a.m. ...	22.7	10.30 p.m. ... 10.8
35.5	35.7	36.0	35.8	36.5	36.8	36.8	36.8	31.0	37.5	10.30 p.m. ...	24.7	1.30 a.m. ... 12.8
29.1	27.3	26.0	26.0	24.6	25.0	24.6	26.3	32.4	38.6	5.45 a.m. ...	24.3	10.30 p.m. ... 14.3
25.8	27.0	27.9	28.6	29.1	29.3	29.8	30.8	27.6	30.8	Midnight ...	25.1	4.45 p.m. ... 5.7
40.1	40.0	38.9	39.7	38.7	38.7	39.2	38.0	38.7	41.3	8.30 a.m. ...	30.8	0 a.m. ... 10.5
37.3	36.6	36.2	36.2	36.2	36.3	35.9	35.2	37.7	39.4	4 a.m. ...	34.9	7.20 p.m. ... 4.5
32.2	32.6	33.2	32.2	33.4	33.7	34.4	35.0	32.7	35.2	0 a.m. ...	30.1	6.45 a.m. ... 5.1
36.1	36.1	36.1	36.2	36.0	35.7	35.7	35.7	35.6	36.6	2 p.m. ...	35.0	0 a.m. ... 1.6
38.0	38.2	38.3	39.0	39.8	39.8	39.8	39.8	37.7	39.8	9 p.m.—midn't.	35.7	0 a.m. ... 4.1
40.0	39.6	39.4	39.2	38.9	38.9	38.8	38.7	39.8	40.7	1-3 p.m. ...	38.7	Midnight ... 2.0
37.0	37.1	38.3	39.2	39.8	40.0	40.0	40.0	37.9	40.0	10 p.m.—midn't.	36.7	4.15 p.m. ... 3.3
39.1	39.1	39.0	38.5	38.5	38.5	38.4	37.5	39.1	40.0	0-2 a.m. ...	37.5	Midnight ... 3.5
39.9	39.8	39.9	40.6	41.0	39.8	38.0	38.4	39.0	41.0	9 p.m. ...	36.9	1 a.m. ... 4.1
40.2	40.2	40.1	40.6	41.0	40.9	40.4	40.3	39.9	41.0	9 p.m. ...	38.4	0 a.m. ... 2.6
41.3	41.4	41.2	41.0	41.3	41.5	41.9	42.1	41.3	42.1	Midnight ...	40.3	0 a.m. ... 1.8
35.5	34.9	34.3	35.4	35.9	36.4	36.0	36.8	37.2	42.4	1 a.m. ...	34.3	7 p.m. ... 7.1
36.5	36.4	36.2	36.1	36.0	36.1	36.0	36.1	36.3	39.1	.....	32.7	..... 6.4 Mean.

Absolute Maximum = 43.0 at 11.45 p.m. on 3rd.      Absolute Minimum = 22.7 at 10.30 p.m. on 15th.

Table II.—AIR TEMPERATURE

## MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	36.7	36.4	36.2	36.2	36.3	36.0	35.8	35.5	35.0	35.3	36.3	36.7	37.0	37.0	37.5	37.3
2	40.6	41.0	41.2	41.4	41.7	42.0	41.9	41.1	40.0	39.5	39.9	37.0	38.5	38.7	38.7	38.5
3	37.5	37.9	38.0	37.5	37.2	41.0	41.6	42.0	42.1	42.1	42.0	42.1	42.1	42.2	42.3	42.7
4	34.4	34.8	34.5	33.7	33.0	33.4	32.1	32.0	31.0	31.5	31.2	31.7	30.8	31.4	31.0	30.9
5	33.5	33.7	32.5	33.8	34.9	35.5	35.7	36.3	37.4	38.2	38.5	38.7	38.6	38.6	38.5	38.9
6	40.9	40.0	39.1	37.9	39.0	39.0	39.0	38.9	39.0	38.8	39.0	39.5	39.8	40.1	40.0	40.1
7	42.3	42.3	42.4	42.4	42.5	42.7	42.8	42.9	43.0	43.0	42.8	42.0	43.1	39.0	39.0	39.0
8	38.2	38.5	38.5	38.4	38.4	38.5	38.4	38.6	38.9	38.1	32.5	32.3	31.9	31.5	31.3	30.0
9	30.5	31.6	32.6	32.4	33.5	33.5	33.7	33.9	34.0	34.0	35.1	34.9	35.0	34.6	33.9	33.5
10	37.8	38.3	38.6	38.7	38.9	38.7	39.0	37.7	36.0	35.6	36.8	36.8	37.6	37.6	37.2	37.3
11	39.7	40.0	40.1	40.0	40.9	40.8	40.9	41.0	41.3	41.9	42.2	42.3	42.4	34.6	37.0	37.9
12	39.0	40.1	40.5	39.3	39.5	39.6	38.0	38.0	37.5	37.3	37.6	38.0	38.2	38.1	37.8	37.7
13	39.0	39.0	39.1	38.8	38.7	38.6	37.8	38.2	39.0	39.5	39.8	40.2	40.9	40.9	41.0	41.0
14	33.5	33.1	33.4	33.2	33.3	32.9	34.0	34.0	35.0	35.3	35.7	36.3	36.1	36.0	35.7	35.6
15	38.0	37.8	38.3	38.7	38.8	38.8	35.5	34.7	34.0	34.9	35.4	35.6	35.6	35.3	34.5	33.5
16	33.4	33.6	33.7	33.8	34.8	35.1	35.5	35.7	35.8	36.8	37.5	37.8	38.3	38.6	38.4	38.2
17	38.4	38.4	38.4	38.5	38.5	38.9	38.9	38.8	39.5	39.7	39.8	39.8	40.8	41.3	41.0	41.0
18	40.0	39.9	39.5	39.2	38.8	38.4	38.6	38.8	39.0	39.1	39.0	39.1	39.2	39.2	39.0	38.7
19	39.6	39.5	39.5	39.5	39.4	39.3	39.3	39.3	39.4	39.5	39.7	40.0	40.1	41.1	41.2	41.4
20	42.1	36.5	34.8	34.7	34.1	33.8	33.3	33.6	34.0	34.1	34.3	34.4	34.3	34.3	34.0	34.0
21	33.0	32.4	31.0	30.0	30.1	28.5	28.6	31.0	32.0	34.5	35.3	35.7	35.9	36.1	36.2	36.1
22	36.6	37.0	37.7	37.9	37.7	37.0	36.8	37.0	37.3	37.7	37.9	38.2	39.0	39.5	40.0	38.9
23	31.6	32.0	32.1	31.4	31.3	31.0	31.0	29.1	31.0	30.5	32.3	33.1	33.7	34.1	34.0	33.9
24	37.7	34.5	33.9	33.0	33.9	33.0	34.0	33.9	33.8	34.2	34.5	32.5	32.4	32.6	32.0	31.5
25	31.0	32.0	32.1	31.0	30.0	30.9	30.7	29.6	29.1	28.7	28.9	28.8	28.4	28.5	28.5	28.5
26	29.1	28.9	28.9	29.0	29.0	29.1	29.0	28.7	29.2	29.5	29.6	29.7	29.8	30.0	31.6	35.0
27	38.1	38.1	35.0	34.7	34.6	33.8	34.4	34.3	34.0	34.1	33.6	34.2	34.5	35.0	35.0	35.2
28	32.5	33.1	33.3	33.9	34.1	34.2	37.1	39.1	39.4	39.9	40.0	40.0	39.9	37.7	37.5	36.8
29	37.3	37.5	38.3	40.0	40.5	40.5	40.5	40.5	40.9	41.0	41.0	41.2	41.1	41.0	41.0	41.0
30	40.3	40.4	40.3	40.3	40.2	39.8	39.6	40.0	40.0	40.0	40.0	40.1	40.1	40.2	42.2	40.9
31	39.0	38.9	38.7	38.7	38.7	38.8	38.8	38.9	38.9	38.4	38.3	38.0	38.9	38.9	39.0	39.8
Mean.	36.8	36.7	36.5	36.4	36.5	36.6	36.5	36.5	36.5	36.7	37.0	37.0	37.2	36.9	37.0	36.9

Greatest range, 11.2 on 8th. Least range, 2.7 on 18th.

## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

JULY, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean	Maximum	Minimum	Range	Date
37.9	38.0	38.1	38.2	38.5	38.7	39.3	39.8	37.0	39.8	Midnight	... 35.0	9 a.m. ... 4.8 1
37.9	38.0	38.1	38.1	38.4	38.2	34.2	37.9	39.3	42.0	6 a.m. ...	34.2 11 p.m. ...	7.8 2
39.9	38.9	37.8	37.6	36.9	35.0	35.2	35.0	39.5	43.0	4.30 p.m. ...	34.9 10.5 p.m. ...	8.1 3
29.8	31.0	31.2	31.1	30.0	30.4	31.4	32.6	31.9	35.1	3.10 a.m. ...	29.3 9.15 p.m. ...	5.8 4
39.9	40.3	40.7	41.8	41.6	41.5	41.0	41.0	37.7	41.8	8 p.m. ...	32.5 3 a.m. ...	9.3 5
40.3	40.2	40.2	40.2	40.3	40.4	41.2	41.6	39.7	41.6	Midnight ...	37.9 4 a.m. ...	3.7 6
39.0	38.9	39.0	38.7	38.2	38.2	38.3	38.3	40.9	43.1	1 p.m. ...	38.2 9-10 p.m. ...	4.9 7
28.6	28.1	29.3	28.9	29.5	30.1	29.6	30.6	33.4	38.6	1.30 a.m. ...	27.4 6.10 p.m. ...	11.2 8
33.0	34.0	33.5	34.3	35.0	35.4	36.0	36.6	33.8	36.6	Midnight ...	30.5 1 a.m. ...	6.1 9
37.3	37.6	37.7	37.9	38.0	38.2	39.0	39.6	37.7	39.6	Midnight ...	35.6 10 a.m. ...	4.0 10
38.2	38.3	38.3	38.0	38.0	38.1	38.2	38.3	39.5	42.4	1 p.m. ...	34.6 2 p.m. ...	7.8 11
37.9	38.0	38.2	38.4	38.6	38.7	38.9	39.0	38.5	40.6	2.45 a.m. ...	37.0 10.10 a.m. ...	3.6 12
41.0	40.9	38.9	37.8	34.0	33.7	33.6	34.2	38.7	41.0	3-5 p.m. ...	33.1 10.45 p.m. ...	7.9 13
35.7	36.3	36.7	36.8	36.4	37.1	37.3	37.3	35.2	37.3	11 p.m.—midn't,	32.0 1.10 a.m. ...	5.3 14
33.4	33.1	32.0	32.4	31.8	32.3	31.9	33.4	35.1	38.8	5-6 a.m. ...	30.8 9.30 p.m. ...	8.0 15
38.3	38.2	38.2	38.2	38.3	38.3	38.3	38.3	36.7	38.5	2 p.m. ...	32.8 3.30 a.m. ...	5.7 16
42.0	41.9	41.8	41.7	41.0	40.8	40.2	40.0	40.0	42.0	5 p.m. ...	38.3 0 a.m. ...	3.7 17
38.2	37.3	38.0	38.5	39.0	39.2	39.4	39.5	39.0	40.0	0-1 a.m. ...	37.3 6 p.m. ...	2.7 18
41.7	41.9	42.0	42.0	42.1	42.3	42.4	42.5	40.5	42.5	Midnight ...	39.3 6-8 a.m. ...	3.2 19
34.0	33.9	33.8	33.8	33.7	33.6	33.6	33.6	34.6	42.5	0 a.m. ...	33.3 7 a.m. ...	9.2 20
36.1	36.1	36.0	36.0	36.5	36.5	36.5	36.5	34.0	36.5	9 p.m.—midn't...	28.3 6.30 a.m. ...	8.2 21
37.0	33.9	33.9	33.8	33.5	33.0	32.6	32.7	36.6	40.3	3.30 a.m. ...	32.0 10.30 p.m. ...	8.3 22
34.0	35.0	35.4	35.9	35.7	36.0	37.0	37.1	33.6	37.1	Midnight ...	29.1 8 a.m. ...	8.0 23
32.0	32.0	32.1	32.3	33.0	32.7	32.5	31.8	33.3	37.7	1 a.m. ...	31.8 Midnight ...	5.9 24
28.4	28.4	28.6	28.6	28.6	29.1	29.0	29.0	29.5	32.6	3.10 a.m. ...	27.1 2.45 p.m. ...	5.6 25
37.0	38.0	38.1	38.3	39.0	38.5	38.3	38.1	32.4	39.1	9.5 p.m. ...	28.7 9 a.m. ...	10.4 26
35.2	34.7	33.9	33.1	32.4	32.1	32.0	31.4	34.4	38.1	0-2 a.m. ...	31.3 11.55 p.m. ...	6.8 27
36.6	36.7	36.7	36.9	37.2	37.5	37.7	37.8	36.8	40.0	11 a.m.—noon ...	31.4 0 a.m. ...	8.6 28
41.0	40.9	40.8	40.6	40.4	40.7	40.3	40.3	40.3	41.2	Noon ...	37.2 0.30 a.m. ...	4.0 29
40.6	40.3	39.6	39.3	39.1	39.0	39.0	39.0	40.0	42.2	3 p.m. ...	39.0 10 p.m.—midn't.	3.2 30
39.3	39.2	38.2	37.0	36.0	36.7	36.7	36.9	38.5	39.9	3 p.m. ...	35.3 9.30 p.m. ...	4.6 31
37.1	36.8	36.7	36.7	36.5	36.5	36.5	36.8	36.7	39.8	.....	33.7 .....	6.1 Mean

Absolute Maximum = 43.1 at 1 p.m. on 7th.

Absolute Minimum = 27.1 at 2.45 p.m. on 25th.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	36.9	36.9	36.8	36.7	36.9	37.2	38.1	39.0	40.0	40.5	41.1	41.9	42.2	42.3	43.0	43.3
2	40.7	40.5	40.1	39.9	39.7	39.3	39.3	39.3	39.2	39.4	39.7	40.6	40.7	40.7	40.1	39.1
3	43.8	43.9	43.1	43.0	42.0	41.0	40.8	41.7	42.0	43.2	42.0	41.6	41.6	40.4	40.3	39.9
4	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1	40.0	40.0	40.0	40.5	40.1	39.0	38.7
5	35.4	34.5	34.6	34.7	34.9	35.2	35.3	35.2	35.6	36.5	37.1	37.0	36.9	36.8	36.0	35.7
6	36.7	37.1	37.6	38.0	38.5	39.0	39.0	38.9	39.0	39.5	39.9	41.0	42.5	41.5	41.2	41.1
7	41.6	42.1	42.1	41.6	43.7	42.8	42.2	42.1	41.2	41.1	41.0	40.8	40.3	40.2	40.1	40.0
8	40.5	40.5	40.6	40.5	40.5	40.4	40.4	40.2	40.1	40.2	40.2	40.3	40.5	40.4	39.7	39.7
9	39.5	39.5	39.5	39.5	42.0	42.0	42.1	42.1	42.0	42.1	42.2	41.7	41.4	41.1	40.4	40.1
10	37.7	37.4	37.7	38.0	39.0	39.6	39.9	40.7	40.3	40.3	40.8	40.9	40.8	40.5	40.0	39.9
11	38.6	38.8	38.8	38.6	38.6	38.0	37.2	37.0	37.4	37.6	38.3	38.5	38.4	37.7	36.8	35.1
12	32.1	31.2	32.2	31.9	32.0	32.2	32.4	32.3	32.8	32.5	31.6	30.7	30.9	31.0	30.9	30.7
13	29.1	30.0	30.3	30.8	30.9	31.8	32.2	32.4	33.0	33.4	33.6	34.1	34.0	34.3	34.4	34.7
14	34.5	34.6	34.5	34.5	34.5	34.6	34.7	35.5	36.2	36.8	37.6	37.8	37.9	38.0	38.0	38.1
15	37.9	37.8	37.8	37.7	37.7	37.6	37.8	38.4	38.5	38.6	38.8	39.0	38.9	39.0	39.1	
16	39.2	39.3	39.7	39.9	40.0	40.0	40.0	40.3	40.4	40.4	40.5	40.6	40.8	40.8	41.0	41.0
17	41.0	41.0	41.2	41.0	41.0	41.1	41.0	40.9	41.2	41.2	41.1	41.6	41.2	41.1	40.0	39.7
18	40.9	40.8	40.9	41.4	41.6	41.1	41.4	41.4	41.5	40.5	40.7	40.7	40.7	40.7	40.0	39.9
19	41.0	41.1	41.1	41.1	41.1	41.2	41.6	41.7	41.7	41.9	41.9	41.6	41.5	41.2	40.7	40.8
20	41.8	41.8	42.0	42.0	42.0	42.1	42.1	42.0	42.1	42.1	42.2	42.3	42.3	42.4	42.7	42.6
21	42.3	42.2	42.4	42.7	43.0	42.6	41.9	41.7	41.2	41.0	40.8	40.5	36.1	35.0	33.7	32.6
22	33.4	33.5	33.6	33.5	33.3	34.0	34.4	35.0	36.0	36.0	36.9	36.7	36.3	35.8	35.0	33.8
23	34.1	34.4	34.4	34.5	34.9	35.4	35.9	36.4	37.3	37.6	36.7	36.4	36.4	36.3	36.1	35.7
24	33.0	33.5	33.8	34.4	34.8	34.6	34.6	35.2	35.5	35.7	36.8	38.4	37.6	36.6	35.6	35.6
25	35.5	35.3	35.0	34.7	34.7	34.9	35.6	36.0	37.5	37.9	38.0	39.0	39.1	39.0	38.3	38.1
26	35.9	35.7	35.4	34.7	34.1	35.0	36.0	37.1	38.3	39.0	39.3	39.7	39.9	40.0	40.1	40.1
27	40.2	40.1	40.0	40.0	40.1	40.2	40.4	40.6	41.0	41.2	41.2	41.2	42.2	41.3	41.2	41.1
28	37.1	37.0	36.9	36.5	35.6	35.0	34.5	33.0	34.1	35.1	35.1	35.3	35.7	36.0	36.5	37.2
29	40.6	40.4	40.5	40.6	40.7	40.8	40.9	40.9	41.0	41.1	41.3	41.4	41.7	41.8	41.6	42.0
30	40.8	40.5	40.1	40.3	40.6	41.4	41.6	41.6	41.8	42.0	41.3	40.9	40.8	36.0	35.0	34.6
31	31.9	31.8	31.7	31.7	31.7	31.2	31.0	30.7	30.6	30.1	30.5	30.9	31.5	31.8	32.2	
Mean.	37.8	37.8	37.9	37.9	38.0	38.1	38.2	38.3	38.6	38.9	39.0	39.1	39.1	38.7	38.3	38.1

Greatest range, 11.0 on 21st. Least range, 1.1 on 20th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

AUGUST, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean.	Maximum.	Minimum.	Range	Date
42.7	42.6	42.5	41.9	41.0	40.8	40.8	41.1	40.2	43.5	3.30 p.m. ...	36.7	4 a.m. ...
38.5	42.2	42.0	41.9	42.0	42.4	42.9	43.2	40.5	43.2	Midnight ...	38.5	5 p.m. ...
39.8	39.7	39.7	39.4	39.3	39.3	38.0	38.5	41.1	44.0	1.30 a.m. ...	38.0	11 p.m. ...
37.6	37.5	37.4	37.2	34.0	33.9	35.3	35.0	38.3	40.6	12.30 p.m. ...	33.5	9.30 p.m. ...
34.0	33.0	33.3	33.0	34.3	34.9	35.1	35.7	35.2	37.1	11 a.m. ...	32.1	8.10 p.m. ...
41.0	40.9	41.0	40.9	41.1	40.9	41.0	41.4	39.8	42.7	12.30 p.m. ...	35.7	0 a.m. ...
39.8	39.0	39.8	40.1	40.4	40.6	40.6	40.5	41.0	43.7	5 a.m. ...	39.0	6 p.m. ...
39.7	39.9	38.7	39.3	39.4	39.5	39.5	39.5	40.0	40.7	12.20 p.m. ...	38.7	7 p.m. ...
39.7	39.0	38.5	38.3	38.0	38.0	38.0	37.9	40.2	42.2	7.10 & 11 a.m. ...	37.9	Midnight ...
39.8	39.8	39.8	39.7	38.8	38.8	37.9	38.1	39.4	41.7	11.30 a.m. ...	37.4	2 a.m. ...
34.0	34.6	34.4	34.3	34.0	33.5	31.9	32.0	36.6	39.4	12.30 p.m. ...	31.9	11 p.m. ...
31.2	31.1	31.1	30.8	31.0	30.8	30.6	30.0	31.5	32.8	9 a.m. ...	30.0	Midnight ...
34.6	34.3	34.3	34.2	34.2	34.4	34.5	33.0	34.7	4 p.m. ...	29.1	1 a.m. ...	5.6
38.2	38.2	38.2	38.1	38.0	38.0	38.0	38.0	36.7	38.2	5-7 p.m. ...	34.4	0.15 a.m. ...
39.0	38.9	38.9	38.8	38.7	38.8	39.0	39.1	38.5	39.1	4 p.m. & midn't.	37.6	7 a.m. ...
41.0	41.0	40.9	40.8	40.8	40.9	40.9	41.0	40.4	41.0	3, 4, 5, 6 p.m. and midnight.	39.1	0 a.m. ...
39.2	39.4	39.5	39.6	39.8	40.3	40.4	40.6	40.6	41.6	Noon ...	39.2	5 p.m. ...
39.5	39.0	38.9	38.5	39.4	39.5	39.6	40.0	40.4	42.1	4.30 a.m. ...	38.5	8 p.m. ...
40.9	41.1	41.2	41.2	41.3	41.3	41.4	42.0	41.3	42.0	Midnight ...	40.0	0 a.m. ...
42.6	42.6	42.7	42.5	42.6	42.7	42.7	42.4	42.3	42.8	9.30 p.m. ...	41.7	1.15 a.m. ...
32.1	32.3	32.5	32.7	33.0	33.1	33.2	33.3	37.8	43.0	5 a.m. ...	32.0	4.30 p.m. ...
33.7	33.6	33.6	33.6	33.7	33.9	34.0	34.4	37.0	10.30 a.m. ...	33.0	9.30 p.m. ...	4.0
35.6	35.0	34.2	34.9	35.4	35.5	35.6	35.7	35.6	38.4	10.40 a.m. ...	34.0	0 a.m. ...
36.1	36.2	36.3	36.2	36.0	35.8	35.7	35.7	35.6	38.4	Noon ...	33.0	1 a.m. ...
37.9	37.4	37.1	37.0	36.1	36.1	35.9	36.0	36.7	39.4	12.10 p.m. ...	34.7	4 and 5 a.m. ...
40.1	39.9	40.0	40.1	40.2	40.1	40.0	40.0	38.3	40.3	2.50 p.m. ...	34.1	5 a.m. ...
41.0	41.0	41.0	41.0	38.0	37.5	37.2	37.1	40.3	42.2	1 p.m. ...	37.0	11.5 p.m. ...
38.1	38.6	39.6	40.1	40.6	40.8	40.7	40.6	37.0	40.8	10 p.m. ...	33.0	8 a.m. ...
41.0	41.8	41.8	41.9	42.0	41.8	41.6	41.0	41.3	42.0	4 p.m. & 9 p.m. ...	40.4	2 a.m. ...
34.6	34.2	34.0	33.9	33.0	32.8	32.6	32.0	37.9	42.0	10 a.m. ...	32.0	Midnight ...
32.2	32.7	33.1	33.3	33.0	34.0	34.4	34.5	31.9	34.5	Midnight ...	28.4	6.40 a.m. ...
38.0	37.0	37.9	37.9	37.7	37.8	37.7	37.8	38.2	40.4	.....	35.9	.....
											4.5	Mean:

Absolute Maximum = 44.0 at 1.30 a.m. on 3rd.

Absolute Minimum = 28.4 at 6.40 a.m. on 31st.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND:

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	34.3	34.7	34.0	35.0	35.1	35.7	36.2	37.0	35.7	37.5	38.6	38.9	39.3	39.4	39.8	40.0
2	35.2	35.3	36.2	36.8	36.5	36.7	35.4	36.3	37.0	37.3	37.0	36.4	35.8	36.5	36.0	35.9
3	32.8	33.2	33.4	33.6	34.0	35.0	34.2	34.1	36.0	36.4	37.9	38.0	37.9	37.7	37.5	37.7
4	40.0	40.0	39.0	39.8	39.7	39.2	38.7	37.7	38.0	37.9	36.0	35.2	35.5	35.6	35.0	35.5
5	31.8	32.1	32.1	32.0	31.7	31.0	31.6	32.3	33.6	33.4	33.5	33.6	33.6	32.5	33.4	32.3
6	34.8	35.6	36.5	37.3	37.6	38.5	39.4	39.2	37.2	37.2	37.7	38.2	39.2	39.0	39.2	38.5
7	38.2	37.8	37.2	36.7	34.9	35.0	34.8	34.1	34.0	34.9	35.1	35.5	37.6	36.4	35.3	35.7
8	35.5	35.4	35.1	35.0	34.4	33.5	34.0	35.5	36.3	36.4	37.1	36.8	36.5	36.1	34.0	34.0
9	31.7	32.1	32.4	32.3	32.7	32.7	32.8	34.1	36.0	35.9	35.9	36.0	36.1	35.5	35.4	35.5
10	36.4	36.4	36.3	36.0	35.7	35.6	35.7	35.7	35.4	34.6	34.2	33.6	33.6	33.2	32.5	32.4
11	29.0	29.1	29.1	28.7	28.9	28.5	28.4	29.7	31.0	32.0	31.3	33.0	35.0	35.5	35.5	35.9
12	33.4	32.5	33.9	33.5	31.0	30.8	30.6	30.1	29.0	29.2	28.5	28.2	27.7	27.6	26.6	26.0
13	29.7	30.0	30.2	30.7	31.3	31.4	32.2	33.0	35.0	34.8	35.4	35.6	35.4	35.1	35.0	34.9
14	35.9	36.0	36.0	35.9	35.8	36.0	36.2	36.6	37.3	37.6	37.9	38.0	38.3	38.4	39.0	39.0
15	40.1	40.1	40.1	40.0	40.0	40.1	40.4	40.1	40.0	40.7	41.2	41.7	42.1	42.1	42.0	42.0
16	41.6	41.6	41.6	41.6	41.6	41.6	39.2	36.5	35.4	35.5	35.5	35.4	35.4	35.2	35.0	34.6
17	33.3	33.5	33.8	34.1	34.5	35.2	35.8	36.5	37.3	37.7	38.0	38.6	39.2	39.2	39.2	39.4
18	37.6	38.2	38.7	39.4	40.0	40.0	39.8	39.3	39.2	39.7	39.1	39.5	39.8	40.2	40.1	40.0
19	41.0	41.2	41.5	41.2	41.2	41.2	41.1	41.0	41.0	41.2	41.1	41.2	41.3	41.6	41.5	41.5
20	41.3	41.2	41.2	41.1	39.0	37.9	37.8	38.0	36.9	38.0	38.2	40.0	39.0	38.7	38.3	37.6
21	36.3	36.1	34.8	34.6	34.0	34.6	35.0	36.1	37.5	38.5	40.0	40.3	40.5	39.5	39.5	40.6
22	31.0	30.7	29.3	29.6	30.9	33.4	34.0	36.0	37.4	38.6	39.8	40.0	40.6	40.2	40.1	39.9
23	39.0	39.3	39.7	40.2	40.3	40.4	40.4	40.5	40.5	40.7	40.9	41.3	41.3	41.2	41.0	40.9
24	40.0	40.0	40.0	40.0	39.9	39.8	39.7	40.0	40.2	40.3	40.6	41.5	40.9	40.6	40.4	40.3
25	40.1	40.0	39.8	39.2	39.2	39.4	39.7	40.0	40.1	40.3	40.5	40.6	40.7	40.7	40.7	40.9
26	41.0	41.0	41.0	41.0	41.1	41.5	41.7	41.4	43.3	43.4	43.4	43.2	44.4	44.7	44.6	44.3
27	42.7	42.6	42.6	42.9	43.0	42.7	42.7	42.5	40.4	39.4	39.3	38.8	39.3	40.1	40.5	40.2
28	36.9	37.0	37.2	37.2	37.3	38.0	38.3	38.7	39.0	39.5	41.0	41.2	41.5	41.0	40.7	40.6
29	34.9	35.0	31.0	33.9	33.7	34.6	33.4	34.0	37.0	37.2	36.9	38.4	36.4	31.7	31.6	
30	33.9	33.7	33.7	34.4	34.6	35.4	36.3	36.4	37.0	37.1	37.6	38.8	40.0	39.5	39.0	39.2
Mean.	36.3	36.4	36.3	36.5	36.3	36.5	36.5	36.7	37.1	37.4	37.7	37.9	38.2	37.9	37.6	37.6

Greatest range, 13.3 on 22nd.

Least range, 0.6 on 19th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

SEPTEMBER, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean	Maximum	Minimum	Range	Date
35.0	37.0	36.4	36.0	36.8	36.5	35.7	36.8	36.3	40.2	4:10 p.m.	34.2	1:15 a.m.
35.1	34.9	34.8	34.3	33.0	32.1	32.5	32.6	35.5	38.0	10:15 a.m.	31.1	9:30 p.m.
38.9	39.3	39.5	40.0	40.0	40.1	40.0	40.0	36.8	40.1	10 p.m.	32.6	0 a.m.
36.0	36.3	36.3	35.5	35.0	34.0	32.6	31.7	36.9	40.0	0-2 a.m.	31.7	Midnight
31.6	31.2	31.0	31.9	32.9	33.0	33.6	34.6	32.5	34.6	Midnight	30.1	6:30 a.m.
38.2	38.5	38.6	36.1	37.3	41.0	38.3	38.2	37.9	41.0	10 p.m.	34.6	0 a.m.
34.5	34.8	34.7	35.8	36.1	36.1	36.1	35.9	35.7	38.3	0:50 a.m.	34.0	9 a.m.
33.3	32.3	32.4	32.2	32.0	31.8	31.4	31.0	34.4	38.6	11:10 a.m.	30.6	11:30 p.m.
36.3	37.8	38.6	38.0	37.7	37.0	36.6	36.4	35.1	38.6	7 p.m.	31.0	0 a.m.
32.1	31.7	31.3	29.8	29.1	29.0	29.2	28.9	33.4	36.5	0:5 a.m.	28.9	Midnight
36.7	37.5	37.4	38.3	38.7	34.3	34.4	33.0	39.0	10:5 p.m.	28.3	7:30 a.m.	10.7
26.0	24.8	26.5	26.6	27.0	27.1	27.5	28.4	28.9	35.7	1:50 a.m.	23.1	5:30 p.m.
34.8	34.7	34.6	35.0	35.5	35.6	35.8	35.9	33.3	35.9	Midnight	28.4	0 a.m.
30.0	39.2	39.3	39.7	40.0	40.1	40.1	40.1	37.9	40.1	10 to midnight	35.8	5 a.m.
41.9	42.6	42.0	41.8	41.7	41.6	41.5	41.5	41.1	42.6	6 p.m.	40.0	4, 5, 9 a.m.
34.5	34.3	34.2	34.0	33.8	33.5	33.3	33.0	36.8	41.8	3:30 a.m.	33.0	Midnight
37.3	35.0	35.6	36.2	37.0	37.1	37.0	37.1	36.5	40.1	3:30 p.m.	33.0	0 a.m.
40.0	40.0	40.1	40.1	40.0	40.4	40.9	41.0	39.6	41.0	Midnight	37.1	0 a.m.
41.5	41.4	41.5	41.4	41.4	41.4	41.4	41.4	41.3	41.6	2 p.m.	41.0	0:1 a.m.
36.9	36.4	36.0	36.2	36.1	36.3	36.4	36.4	38.2	41.4	0 a.m.	36.0	7 p.m.
41.0	38.6	37.5	37.9	37.0	36.7	33.8	32.8	37.3	41.2	4:15 p.m.	32.8	Midnight
39.7	39.7	39.6	39.5	39.3	38.9	38.9	38.9	36.8	40.6	1 p.m.	27.3	3:30 a.m.
40.9	40.3	40.3	40.3	40.2	40.1	40.0	40.0	40.4	42.3	12:15 p.m.	38.9	0 a.m.
40.0	40.0	39.9	40.0	40.2	40.2	40.1	40.2	40.2	41.5	Noon	39.7	7 a.m.
40.9	40.9	41.0	40.9	40.7	40.8	40.9	41.0	40.3	41.0	7 p.m. & midn't	39.2	4 and 5 a.m.
44.1	43.1	43.2	43.0	42.4	42.2	42.0	42.0	42.6	45.1	2:20 p.m.	41.0	0 to 4 a.m.
40.1	39.7	38.6	38.2	37.0	36.5	35.6	35.6	40.2	43.0	5 a.m.	35.0	10:30 p.m.
40.6	41.0	41.1	39.7	37.0	36.6	35.7	35.8	38.9	42.0	12:20 p.m.	35.6	0 a.m.
32.9	32.5	32.7	32.7	32.7	29.4	32.0	33.0	33.9	38.4	1 p.m.	29.0	10:5 p.m.
39.2	39.3	39.7	39.8	40.0	40.2	39.6	39.6	37.5	40.2	10 p.m.	33.0	0 a.m.
37.3	37.2	37.2	37.0	36.9	36.8	36.4	36.5	37.0	40.0	.....	33.5	.....
											6.6	Mean.
											4.86	Max.

Absolute Maximum = 45.1 at 2:20 p.m. on 26th.

Absolute Minimum = 23.1 at 5:30 p.m. on 12th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	38.7	38.7	38.8	38.8	38.0	38.2	37.7	37.9	37.4	37.3	38.0	39.0	35.1	37.0	34.3	34.2
2	30.0	29.2	29.0	29.7	29.0	29.6	29.9	29.8	29.2	31.4	31.8	31.2	32.8	31.5	32.4	32.8
3	34.4	34.6	35.0	35.1	35.8	36.1	37.5	38.4	38.8	39.0	39.5	39.6	39.8	39.9	40.5	40.4
4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.0	40.0	40.0	40.0	40.1	40.1	40.0	39.9
5	39.9	39.7	39.5	39.9	40.3	40.8	40.9	41.0	41.3	41.3	41.3	41.3	41.3	41.6	41.8	41.7
6	43.0	42.9	42.7	42.7	42.6	42.5	42.4	42.2	42.0	42.0	42.0	42.1	42.9	43.0	42.1	42.0
7	39.4	39.5	39.6	39.6	39.2	37.5	37.3	38.3	39.3	40.6	41.3	41.6	41.6	41.6	41.8	41.8
8	41.2	41.2	40.9	40.0	37.1	35.3	35.7	38.0	39.7	40.2	38.3	39.2	38.4	38.4	39.1	39.0
9	36.3	36.3	35.8	35.7	35.5	36.1	38.1	38.7	39.2	39.6	40.0	40.9	41.8	41.6	41.8	41.8
10	42.3	42.2	42.2	42.1	41.9	41.7	41.9	41.8	41.8	41.9	42.0	42.1	42.1	42.3	43.0	43.0
11	38.2	38.0	37.4	37.3	36.3	33.2	36.5	36.3	37.0	37.5	36.0	37.8	36.8	38.0	38.0	37.8
12	40.1	40.2	40.4	40.4	40.5	40.6	40.6	40.6	40.7	41.6	41.8	41.0	41.0	40.5	40.3	40.3
13	37.5	38.6	39.1	39.7	39.8	40.1	40.3	41.0	40.6	40.8	40.8	40.8	42.0	40.3	41.1	41.1
14	39.8	39.7	39.7	39.7	39.8	40.0	40.2	40.6	41.2	41.2	41.5	40.9	40.9	39.8	40.1	40.1
15	41.1	41.1	41.2	41.2	41.2	41.5	42.0	42.4	42.6	42.6	42.4	42.4	42.4	42.3	42.2	42.2
16	41.9	40.4	40.0	40.6	41.1	41.0	42.1	43.2	44.1	43.6	43.7	43.3	42.8	42.5	41.4	38.8
17	31.6	31.9	32.4	33.2	33.1	33.0	33.7	33.9	33.5	35.3	36.8	39.0	37.5	37.2	36.5	35.6
18	35.5	36.1	35.5	35.3	35.8	36.1	36.5	37.3	39.0	38.3	38.7	39.0	38.2	37.5	39.4	40.2
19	39.7	39.9	40.0	38.9	39.8	39.7	39.7	39.5	38.9	40.0	41.0	40.1	39.8	39.6	39.1	38.9
20	41.0	41.2	41.1	41.3	41.7	41.8	42.0	42.5	43.0	43.1	43.1	43.1	43.1	42.9	42.2	41.9
21	36.6	36.6	36.3	36.0	36.5	36.6	38.4	38.2	37.3	36.6	36.4	40.9	41.7	41.0	42.1	41.0
22	36.5	36.6	36.1	35.0	36.3	36.8	37.9	37.4	39.4	39.9	39.9	40.2	40.6	41.4	41.2	41.1
23	41.9	42.0	42.0	42.2	42.3	42.6	42.7	42.9	39.1	39.1	39.5	39.8	38.7	37.2	35.3	37.9
24	39.1	37.8	37.3	36.9	37.0	37.0	37.5	36.2	39.0	40.0	39.0	40.5	40.0	39.7	38.7	36.7
25	37.2	37.3	37.1	36.8	37.0	37.6	37.8	38.1	39.0	40.0	39.7	39.7	39.5	39.5	40.1	40.3
26	36.6	36.4	35.0	31.7	32.0	32.8	34.6	33.4	34.5	33.3	35.6	32.2	36.9	37.1	37.0	36.5
27	37.9	36.6	37.0	36.5	36.3	37.5	35.4	38.7	39.0	39.2	39.2	41.2	39.6	39.6	39.3	39.3
28	39.5	39.0	37.0	36.1	35.5	36.2	34.3	37.1	38.0	38.2	38.7	38.5	36.0	36.8	35.3	35.1
29	36.0	36.0	35.6	35.5	36.3	36.4	36.5	36.7	37.0	38.4	40.0	39.0	38.9	38.7	38.6	38.0
30	39.1	39.1	39.3	39.4	39.5	39.5	40.0	40.2	41.2	42.7	42.8	41.1	43.5	41.4	41.0	40.4
31	38.6	38.4	38.2	38.6	39.0	39.2	39.4	39.3	39.0	38.9	38.8	38.9	39.1	39.2	39.2	39.4
Mean	38.4	38.3	38.1	37.0	37.0	38.0	38.4	38.8	39.1	39.5	39.6	39.8	39.8	39.7	39.5	39.4

Greatest range, 14.6 on 1st.

Least range, 0.4 on 4th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## -HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

OCTOBER, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
33.7	33.9	33.4	31.6	30.0	27.9	29.0	29.4	35.5	39.6	0 a.m. ...	25.0	10-10 p.m. ...	14.6 1
32.9	33.0	32.1	32.7	33.3	33.8	33.9	34.0	31.4	34.1	1-15 p.m. ...	28.7	12-10 p.m. ...	5.4 2
40.2	40.1	40.0	40.0	40.0	40.0	40.0	40.0	38.4	40.7	3-5 p.m. ...	34.0	0 a.m. ...	6.7 3
30.9	30.8	30.8	40.0	40.0	40.0	40.1	40.2	40.0	40.2	Midnight ...	39.8	6 to 7 p.m. ...	0.4 4
41.8	41.9	42.0	42.2	42.5	42.4	43.0	43.0	41.3	43.0	11 to midnight...	39.3	2-15 a.m. ...	3.7 5
41.9	41.6	40.3	39.6	39.2	38.9	39.1	39.4	42.0	43.0	0-1 a.m. & 2 p.m. ...	38.9	10 p.m. ...	4.1 6
41.8	41.8	41.9	42.1	42.4	42.7	42.6	41.7	40.7	42.8	9-30 p.m. ...	36.8	6-15 a.m. ...	6.2 7
38.8	38.0	37.9	37.1	36.6	36.6	36.8	36.9	38.5	41.7	0 a.m. ...	35.3	6 a.m. ...	6.4 8
41.7	41.6	41.6	41.9	42.2	42.3	42.3	42.4	39.7	42.4	Midnight ...	35.5	5-10 a.m. ...	7.2 9
43.4	43.2	43.0	42.1	42.0	41.9	41.9	38.7	42.2	43.5	4-30 p.m. ...	38.7	Midnight ...	4.8 10
37.7	38.3	39.1	39.4	39.5	39.6	39.9	39.9	37.7	40.0	11-30 p.m. ...	33.0	5-55 a.m. ...	7.0 11
40.2	40.1	40.0	40.0	40.0	39.5	38.4	37.4	40.3	42.3	10-20 a.m. ...	37.4	Midnight ...	4.9 12
39.9	39.2	38.8	39.3	39.6	39.7	39.8	39.8	39.9	42.0	1 p.m. ...	37.3	0-10 a.m. ...	4.7 13
40.6	41.1	41.2	41.1	41.2	41.2	41.2	41.0	40.5	42.6	11-30 a.m. ...	39.6	1-45 a.m. ...	3.0 14
42.2	42.1	42.1	42.1	42.0	41.2	41.1	41.9	42.8	10-30 a.m. ...	41.0	0 a.m. ...	1.8 15	
36.7	34.7	34.2	33.7	33.0	31.2	31.0	30.8	39.2	44.7	11-30 a.m. ...	30.8	Midnight ...	13.9 16
35.8	35.9	36.3	36.7	36.3	36.0	36.0	35.9	35.0	39.8	12-15 p.m. ...	30.3	0-10 a.m. ...	9.5 17
40.4	41.0	39.6	39.6	39.7	39.8	39.7	39.7	38.2	41.0	6 p.m. ...	35.0	3-30 a.m. ...	6.0 18
38.7	38.2	38.1	38.7	39.4	39.5	39.7	40.5	39.5	41.0	11 a.m. ...	38.1	7 p.m. ...	2.9 19
41.4	41.2	38.8	38.0	37.3	36.0	36.9	36.8	41.0	43.2	1-30 p.m. ...	36.0	10 p.m. ...	7.2 20
41.5	37.6	39.0	39.0	38.3	37.8	36.5	36.6	38.4	42.3	3-30 p.m. ...	35.0	1-30 a.m. ...	7.3 21
41.6	41.7	41.8	41.9	42.0	42.1	42.0	41.6	39.5	42.1	10 p.m. ...	35.0	4 a.m. ...	7.1 22
38.8	38.3	38.2	38.3	38.4	38.3	38.1	38.5	39.7	43.0	8-50 a.m. ...	35.0	3-15 p.m. ...	8.0 23
38.1	37.5	37.6	37.6	37.1	37.0	34.1	36.0	37.9	40.5	Noon ...	34.1	11 p.m. ...	6.4 24
40.2	40.3	38.8	38.5	37.5	38.0	33.9	38.5	40.5	41.5 p.m. ...	33.9	Midnight ...	6.6 25	
37.8	38.8	39.3	39.9	40.0	40.0	40.2	38.0	36.1	40.2	11 p.m. ...	31.7	4 a.m. ...	8.5 26
37.6	36.5	36.1	35.8	38.0	40.1	39.9	39.7	38.1	41.3	12-5 p.m. ...	33.8	4-20 a.m. ...	7.5 27
34.6	34.3	34.8	34.7	35.2	35.0	35.1	35.7	36.2	39.7	0 a.m. ...	33.0	9-30 p.m. ...	6.7 28
37.5	37.4	37.3	37.5	38.6	38.0	38.5	38.9	37.5	40.2	10-50 a.m. ...	35.2	2-40 a.m. ...	5.0 29
40.3	39.9	39.7	39.9	40.0	40.1	39.8	39.5	40.4	43.5	1 p.m. ...	38.9	0 a.m. ...	6.6 30
30.4	30.6	30.6	30.8	30.9	40.0	40.0	39.2	40.0	10 to midnight...	38.1	2-30 a.m. ...	1.9 31	
39.3	39.0	38.8	38.7	38.8	38.6	38.5	38.3	38.9	41.4	.....	35.3	.....	6.1 Mean.

Absolute Maximum = 44.7 at 11.30 a.m. on 16th.

Absolute Minimum = 25.0 at 10.10 p.m. on 1st.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	40.0	40.0	40.0	40.0	40.1	40.1	40.2	40.4	40.5	41.3	41.3	41.2	41.2	42.7	44.3	43.5
2	39.2	40.0	39.4	39.1	39.0	39.2	40.1	40.7	43.0	43.8	45.0	44.8	44.2	44.0	43.4	42.8
3	36.4	34.7	36.8	37.1	37.5	38.4	39.6	40.9	42.7	43.5	44.2	45.7	44.5	44.0	43.5	43.0
4	40.2	40.5	40.0	39.8	40.2	40.3	41.1	42.1	42.0	42.3	42.4	41.7	41.9	42.9	42.8	42.4
5	37.8	37.6	34.8	34.4	35.3	36.0	36.7	36.7	36.6	36.9	36.7	36.5	36.1	36.7	37.0	37.2
6	37.8	37.9	38.0	38.0	38.2	38.6	38.9	39.0	39.0	39.2	39.3	39.5	39.6	39.5	39.4	39.2
7	36.4	35.2	33.5	32.2	33.3	35.0	35.4	35.8	37.0	38.3	39.8	38.4	38.0	37.4	37.0	36.4
8	34.4	34.7	34.6	34.9	35.5	36.6	37.9	38.1	39.8	40.5	41.0	39.6	39.8	39.2	39.1	39.2
9	38.7	38.6	38.6	38.7	38.8	38.9	38.5	38.1	38.0	38.5	38.6	38.6	39.0	39.6	39.6	39.7
10	40.1	39.4	39.4	39.3	38.8	38.7	36.0	37.4	36.6	37.8	35.8	36.4	35.5	33.9	33.1	32.3
11	30.8	29.7	29.3	30.5	31.2	31.5	32.3	32.8	35.0	35.3	37.6	35.7	37.0	39.7	37.0	36.8
12	35.7	35.0	34.6	34.9	35.0	35.2	34.8	36.6	38.3	38.7	38.8	39.7	37.5	38.5	38.8	38.6
13	38.6	37.7	37.8	37.9	37.9	38.1	38.3	38.9	39.6	40.0	41.4	43.0	42.4	42.8	42.0	42.2
14	40.6	40.5	40.4	40.3	40.2	40.5	40.9	41.8	42.7	43.7	43.8	43.4	44.1	43.6	43.0	43.6
15	41.9	41.8	41.7	40.7	40.7	41.0	41.2	40.9	40.9	41.1	41.8	42.3	42.3	42.3	42.5	42.6
16	42.9	42.6	42.5	42.7	42.5	42.8	43.0	42.5	42.2	42.2	42.4	42.7	42.8	43.0	42.9	43.0
17	43.4	42.7	43.0	43.0	43.1	43.3	43.2	43.5	42.8	44.1	44.0	43.2	42.8	42.8	45.6	44.4
18	40.2	40.1	38.9	37.7	38.0	38.6	37.9	41.0	42.6	43.3	44.7	42.9	42.2	41.6	40.6	40.9
19	37.3	37.5	37.7	37.6	38.0	38.6	39.3	41.0	42.7	43.0	43.2	44.0	43.4	43.4	42.2	41.3
20	38.7	38.1	38.0	38.0	38.7	36.3	39.2	39.9	42.0	41.5	40.9	42.8	42.2	41.4	42.0	41.4
21	39.0	38.5	38.2	37.8	38.0	38.2	38.9	39.0	40.3	42.9	43.0	44.0	42.4	42.3	41.4	41.2
22	43.3	43.1	44.0	43.5	43.2	42.7	43.2	43.8	44.4	44.7	45.1	45.0	45.2	45.5	46.0	45.0
23	40.9	39.2	39.2	38.7	38.5	38.4	38.3	38.3	39.0	38.9	39.5	40.3	41.0	39.5	38.5	38.7
Mean.	38.9	38.5	38.3	38.1	38.3	38.6	38.9	39.5	40.3	40.9	41.8	41.4	41.1	41.1	40.9	40.7

Greatest range, 12.8 on 10th. Least range, 1.5 on 16th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

NOVEMBER, 1913.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
42.3	40.9	39.5	37.3	37.0	37.3	37.7	38.8	40.4	45.0	3.10 p.m.	... 36.3	9.30 p.m. ... 4.7	1
41.5	41.1	39.8	39.0	37.6	36.4	37.4	36.8	40.8	45.0	11 a.m. ...	36.4	10 p.m. ... 4.6	2
41.9	41.7	41.1	41.1	40.3	40.1	40.3	40.2	40.7	45.7	Noon ...	34.7	2 a.m. ... 11.0	3
42.1	41.1	40.9	40.6	40.5	40.4	40.1	38.8	41.2	43.7	2.15 p.m. ...	38.8	Midnight ... 4.9	4
37.4	37.5	37.8	37.8	37.5	37.5	37.4	37.5	36.8	38.8	0 a.m. ...	34.4	4 a.m. ... 4.4	5
38.8	38.8	38.8	38.6	38.0	37.6	36.9	38.7	39.6	1 p.m., 3.15 p.m.	36.9	Midnight ...	2.7	6
36.6	35.4	33.0	31.2	32.0	32.1	32.7	33.8	35.3	39.8	11 a.m. ...	31.0	8.50 p.m. ... 8.8	7
39.3	39.3	38.9	38.9	39.0	39.0	39.0	39.0	38.1	41.0	11 a.m. ...	33.8	0 a.m. ... 7.2	8
40.3	41.1	41.2	41.3	41.4	41.3	41.1	40.9	39.5	41.5	8.55 p.m. ...	37.8	8.30 a.m. ... 4.7	9
32.1	31.8	30.3	31.6	30.4	30.3	29.9	29.4	35.1	40.9	0 a.m. ...	28.1	11.30 p.m. ... 12.8	10
36.6	36.7	36.0	36.2	36.4	36.6	36.0	35.7	34.6	40.0	2.15 p.m. ...	29.4	0 a.m. ... 10.6	11
38.8	37.7	37.2	37.2	38.1	38.5	38.9	38.9	37.3	40.0	11.45 a.m. ...	34.6	3 a.m. ... 5.4	12
41.4	41.5	41.5	41.7	42.0	41.3	41.2	41.0	40.4	43.5	1.45 p.m. ...	36.8	2.45 a.m. ... 6.7	13
44.0	43.1	43.0	43.3	42.8	42.3	41.9	42.0	42.3	45.0	10.30 a.m., and 12.45 p.m.	38.8	1.30 a.m. ... 6.2	14
42.7	42.4	42.6	42.7	43.1	42.8	42.9	42.8	42.0	43.3	2.45 p.m. ...	40.4	4.30 a.m. ... 2.9	15
43.0	43.0	43.0	43.0	43.0	43.5	43.6	43.3	42.8	43.7	10.30 p.m. ...	42.2	9.10 a.m. ... 1.5	16
43.4	42.3	41.9	41.1	40.4	40.3	40.2	40.2	42.8	45.6	3 p.m. ...	40.2	11 p.m.—midn't. ... 5.4	17
39.9	39.2	38.8	38.5	38.1	37.2	37.0	36.8	39.9	44.7	11 a.m. ...	36.1	11.30 p.m. ... 8.6	18
40.0	39.9	39.7	39.0	38.6	39.0	37.8	38.8	40.1	45.3	12.15 p.m. ...	37.0	1.30 p.m. ... 8.3	19
40.2	39.5	38.7	38.3	38.4	38.4	39.0	39.0	39.7	42.8	Noon ...	36.2	6.20 p.m. ... 6.6	20
40.8	40.7	40.9	42.3	42.6	42.9	43.0	43.8	40.8	44.2	12.10 p.m. ...	37.8	4 a.m. ... 6.4	21
44.0	43.9	43.2	43.0	42.8	42.7	42.4	42.3	43.9	46.2	3.15 p.m. ...	42.3	Midnight ... 3.9	22
38.0	36.8	36.3	36.0	35.7	35.8	35.2	35.0	38.3	42.3	0 a.m. ...	35.0	Midnight ... 7.3	23
40.2	39.8	39.3	39.1	39.0	38.9	38.8	38.8	39.6	42.9	.....	36.3	..... 6.6	Mean.

Absolute Maximum = 46.2 at 3.15 p.m. on 22nd.      Absolute Minimum, 28.1 at 11.30 p.m. on 10th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	34.4	34.6	34.6	34.7	34.7	35.1	35.2	35.4	36.2	35.9	36.1	36.7	37.3	38.0	37.1	36.5
2	39.0	38.8	38.8	38.7	38.6	38.8	39.2	40.0	40.2	41.0	41.4	40.9	40.6	40.6	40.2	40.4
3	40.9	41.2	41.4	41.8	42.0	42.0	42.0	43.2	42.5	42.9	43.0	46.0	45.0	44.2	42.2	
4	39.2	39.4	40.1	40.5	40.7	40.7	40.2	40.4	41.2	41.3	41.3	40.9	41.9	41.0	39.9	39.5
5	43.2	43.4	43.5	40.6	40.6	41.3	42.3	42.4	41.9	41.3	40.5	40.6	40.4	40.1	39.4	39.0
6	38.9	38.7	38.8	38.9	38.9	39.5	40.5	41.0	43.9	44.2	45.3	46.1	46.8	47.0	46.9	45.1
7	38.4	38.5	37.9	37.9	38.0	37.6	37.6	35.5	37.1	37.1	36.9	36.6	37.5	41.8	38.9	36.0
8	36.2	36.4	36.1	36.0	35.9	35.0	35.5	36.2	37.2	37.7	38.4	39.7	39.5	42.0	40.9	39.8
9	34.1	34.5	35.5	36.1	36.6	36.9	37.3	37.1	36.5	36.1	34.8	35.5	35.9	37.0	38.9	39.3
10	37.0	36.9	38.3	38.5	38.6	38.7	38.9	39.2	39.4	39.2	39.2	40.6	41.2	41.0	40.5	
11	36.7	36.3	36.1	36.2	36.4	36.0	37.3	37.7	39.0	39.3	39.6	39.8	39.9	40.2	40.2	39.8
12	36.8	36.5	36.3	36.6	36.8	37.4	38.0	38.6	39.5	39.7	40.0	41.6	43.4	43.3	43.0	42.5
13	34.1	34.1	34.1	34.1	35.5	36.7	36.7	36.8	36.6	36.9	37.3	37.6	37.0	37.7	37.9	37.6
14	34.5	35.8	36.1	36.1	36.1	36.1	36.1	37.2	39.8	40.3	41.1	42.1	40.7	40.1	41.1	41.6
15	41.5	41.6	41.6	41.6	41.6	41.5	42.1	42.6	44.2	43.9	43.7	44.7	47.3	46.0	44.9	44.5
16	41.4	41.3	41.3	41.3	40.1	41.3	41.0	41.6	42.3	41.9	42.0	41.9	42.6	42.3	41.9	41.7
17	40.0	39.9	39.8	39.7	39.8	39.7	39.6	39.8	40.0	40.0	40.0	41.1	41.2	41.3	41.6	42.4
18	39.9	39.0	39.2	39.4	40.6	39.1	39.5	40.4	40.5	40.4	39.8	40.2	39.9	40.6	41.2	40.2
19	39.5	39.8	39.6	40.0	41.0	42.0	42.1	42.7	42.4	42.1	42.1	41.4	41.5	40.9	41.0	40.8
20	37.5	37.5	38.0	38.0	38.5	39.0	39.5	39.7	38.9	41.0	39.0	38.1	37.3	37.2	37.3	38.0
21	36.3	35.9	36.0	36.2	37.0	37.6	38.2	38.3	38.9	39.6	40.1	41.1	41.2	41.6	41.8	41.2
22	37.1	37.5	38.1	38.7	38.8	39.6	40.5	40.9	40.9	40.9	41.6	42.1	42.6	41.6	41.5	41.6
23	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.8	41.9	41.7	40.9	40.0	40.1	40.9	40.1
24	38.4	36.9	37.0	37.1	36.7	36.8	37.9	38.9	38.9	39.8	39.5	40.7	43.0	39.2	39.0	39.0
25	36.9	37.2	37.5	37.7	38.0	38.6	38.0	38.9	39.1	39.1	40.5	41.6	41.4	41.2	40.9	39.7
26	36.7	36.8	37.0	37.0	38.0	38.1	39.0	39.3	39.1	40.3	42.1	42.5	46.9	44.5	44.9	42.5
27	35.0	35.4	36.3	37.0	36.7	37.4	37.5	38.6	39.4	40.2	41.3	40.0	41.8	41.2	41.4	41.4
28	40.0	40.5	40.8	40.7	40.5	41.2	41.5	42.0	42.9	44.0	44.5	45.5	45.1	43.6	43.0	42.8
29	42.0	42.0	42.0	42.3	42.5	43.4	44.5	44.6	44.7	44.8	44.9	45.1	44.6	44.3	44.1	
30	40.8	40.8	40.8	39.5	37.9	41.2	41.3	42.4	43.0	43.1	43.5	43.6	43.7	44.3	43.8	43.1
31	41.5	41.5	41.6	41.7	42.0	42.9	42.9	41.5	41.0	43.5	45.9	45.4	45.2	45.1	45.0	44.1
Mean.	38.4	38.4	38.6	38.6	38.7	39.1	39.4	39.8	40.3	40.6	40.9	41.2	41.7	41.6	41.4	40.9

Greatest range, 11.7 on 26th.

Least range, 2.7 on 16th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

DECEMBER, 1914.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean.	Maximum.	Minimum.	Range.	Date.
36.5	37.2	37.9	38.1	39.0	39.4	39.3	39.2	36.5	39.4	10 p.m.	... 34.2	0 a.m. ... 5.2 1
39.9	39.2	39.3	39.4	40.5	40.3	40.7	40.9	39.9	43.2	11-15 a.m.	... 38.6	5 a.m. ... 4.6 2
42.0	40.5	39.9	38.7	38.0	38.1	38.4	39.1	41.6	46.8	1-10 p.m.	... 37.5	9-15 p.m. ... 9.3 3
39.8	39.4	39.3	39.3	39.9	39.7	39.5	40.0	40.2	42.2	12-40 p.m.	... 38.1	2-20 p.m. ... 4.1 4
39.1	38.9	38.9	39.2	39.5	39.2	39.1	39.0	40.6	43.8	2-40 a.m.	... 36.2	10-30 p.m. ... 7.6 5
44.8	42.8	41.9	41.2	40.2	38.8	38.6	38.5	42.0	47.1	12-30 p.m.	... 38.5	Midnight ... 8.6 6
35.3	38.2	37.2	36.4	35.7	36.0	36.2	35.8	37.3	41.8	2 p.m.	... 33.1	9-50 p.m. ... 8.7 7
38.5	37.5	37.1	36.5	36.2	36.0	35.5	35.1	37.3	42.0	2 p.m.	... 33.5	5-30 a.m. ... 8.5 8
39.7	39.1	38.5	37.4	37.1	36.8	36.5	36.5	36.8	39.7	5 p.m.	... 34.1	1 a.m. ... 5.6 9
39.7	39.1	38.7	38.3	37.9	37.6	36.9	36.8	38.8	42.5	2-40 p.m.	... 36.5	0 a.m. ... 6.0 10
39.1	38.7	38.4	38.3	38.0	37.9	37.9	37.9	38.2	40.7	1-30 p.m.	... 36.1	3 a.m. ... 4.6 11
41.3	41.0	39.7	38.8	38.5	36.6	35.8	34.1	39.1	43.4	1 p.m.	... 34.1	Midnight ... 9.3 12
37.5	37.1	36.7	36.3	36.1	34.5	34.5	34.5	36.2	38.4	6-30 a.m.	... 34.1	0-4 a.m. ... 4.3 13
41.8	42.0	42.0	42.0	42.0	41.9	41.8	41.8	39.4	42.1	Noon	... 34.5	0-1 a.m. ... 7.6 14
44.1	43.4	42.8	42.4	42.0	41.9	41.8	41.7	43.1	47.3	1 p.m.	... 41.5	1 a.m. ... 5.8 15
41.6	41.5	41.5	41.5	41.5	41.4	41.2	40.2	41.5	42.8	11-30 a.m.	... 40.1	5 a.m. ... 2.7 16
42.1	40.8	40.7	40.9	40.7	39.9	40.1	39.9	40.5	43.6	4-15 p.m.	... 38.5	11-40 p.m. ... 5.1 17
38.8	40.0	39.6	39.3	39.4	39.3	39.2	39.3	39.8	42.1	9-40 a.m.	... 38.1	5-30 a.m. ... 4.0 18
40.1	39.5	38.2	36.9	37.4	37.5	37.4	37.6	40.2	43.2	9-10 a.m.	... 36.9	8 p.m. ... 6.3 19
38.4	37.1	38.6	38.5	37.9	36.4	37.5	36.0	38.1	42.3	9-30 a.m.	... 35.4	9-40 p.m. ... 6.9 20
40.4	40.0	36.8	36.5	36.0	36.2	36.4	36.9	38.3	43.1	3-30 p.m.	... 35.8	9-15 p.m. ... 7.3 21
41.2	41.2	41.1	40.9	40.9	41.0	41.0	41.0	40.4	44.1	11-50 a.m.	... 36.9	0 a.m. ... 7.2 22
38.1	37.7	39.2	39.2	38.8	39.2	38.8	38.2	40.4	42.2	11-50 a.m.	... 36.9	6-15 p.m. ... 5.3 23
38.8	38.7	38.0	37.5	37.0	37.0	37.1	37.1	38.4	43.0	1 p.m.	... 34.4	2-30 a.m. ... 8.6 24
38.6	38.6	38.3	37.6	36.1	36.9	36.9	37.0	38.7	41.9	12-15 p.m.	... 35.9	1-30 a.m. ... 6.0 25
41.8	41.2	40.6	39.1	39.0	38.7	38.0	36.3	40.0	46.9	1 p.m.	... 35.2	3-30 a.m. ... 11.7 26
40.0	39.7	37.9	38.2	38.9	39.1	39.4	39.9	38.8	43.1	11-20 a.m.	... 34.9	1-15 a.m. ... 8.2 27
42.8	42.3	42.1	42.1	42.0	42.0	42.0	42.0	42.3	45.5	Noon	... 39.9	0 a.m. ... 5.6 28
43.7	43.4	42.0	41.3	40.8	40.7	40.6	40.5	43.0	45.1	1 p.m.	... 40.2	9-30 p.m. ... 4.9 29
42.9	42.4	42.1	42.0	42.1	41.7	41.7	41.7	42.0	44.3	1-50 p.m.	... 37.9	5 a.m. ... 6.4 30
43.1	41.2	39.8	39.5	39.1	39.9	39.9	40.4	42.3	45.9	11 a.m.	... 39.1	9 p.m. ... 6.9 31
40.4	40.0	39.5	39.1	39.0	39.1	38.7	38.5	39.8	43.2	.....	36.7	..... 6.5 Mean.

Absolute Maximum = 47.3 at 1 p.m. on 15th. Absolute Minimum = 33.1 at 9.50 p.m. on 7th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	41.2	41.9	42.3	42.7	43.1	43.6	43.7	44.0	44.0	44.1	45.1	45.2	44.9	44.7	44.5	44.8
2	42.8	42.8	42.7	42.8	42.8	42.1	41.4	42.5	43.1	43.1	44.7	45.6	45.3	44.8	43.8	43.6
3	39.6	39.0	39.2	39.1	39.2	40.0	40.2	40.0	41.6	43.0	43.8	44.0	43.6	44.4	44.6	44.3
4	36.1	37.1	36.4	37.7	38.6	40.8	41.9	42.3	42.1	42.1	43.1	43.7	43.3	43.5	42.0	40.3
5	40.3	40.5	40.9	41.0	41.0	41.1	41.4	41.5	41.6	41.5	41.3	41.3	41.3	41.5	42.0	42.0
6	41.7	41.6	41.6	41.8	42.0	42.3	42.5	42.9	43.5	44.2	44.5	44.8	46.1	46.6	47.0	47.0
7	39.2	39.3	39.4	38.8	38.9	39.0	40.3	41.3	41.4	42.0	42.3	42.6	44.0	43.5	43.1	42.5
8	42.2	42.1	41.0	40.6	40.3	40.3	41.5	40.2	41.3	42.5	42.0	41.0	37.8	40.8	39.1	40.2
9	37.9	37.3	37.5	37.5	37.5	38.1	38.9	37.6	40.7	40.5	41.2	42.0	42.2	42.2	41.6	
10	40.2	40.2	40.2	40.3	40.4	40.5	41.8	41.9	42.1	42.5	42.6	42.7	42.7	42.7	42.7	42.7
11	42.8	42.8	42.8	42.9	43.2	43.2	43.2	43.2	43.5	44.0	44.2	44.6	44.8	45.4	45.0	
12	41.8	41.8	41.7	41.0	40.6	40.9	42.2	43.6	43.9	42.6	42.9	42.0	41.6	41.9	41.8	40.0
13	38.1	38.1	38.4	38.2	37.2	37.3	39.0	39.5	40.7	41.1	42.0	42.4	43.1	46.0	47.7	47.5
14	39.9	39.2	38.3	38.0	37.8	37.7	37.8	37.9	38.7	38.9	40.0	40.0	41.2	41.0	40.9	41.2
15	43.8	43.9	44.0	44.0	44.0	43.6	42.0	40.9	40.0	40.3	41.0	42.7	41.5	42.0	40.9	41.0
16	39.7	39.7	38.3	37.8	38.7	38.5	40.8	40.0	41.6	43.0	43.4	42.7	42.8	42.5	42.3	42.5
17	41.6	41.9	42.2	42.2	41.6	40.5	38.6	39.9	41.9	42.7	43.2	43.5	43.2	42.6	41.7	41.0
18	37.5	37.0	36.8	37.0	37.9	38.0	38.1	38.6	39.7	39.0	39.7	39.1	39.8	38.2	37.9	39.0
19	36.9	36.9	... ..	... ..	... ..	... ..	... ..	... ..	37.9	37.5	38.5	38.0	38.6	38.4	38.9	38.2
20	36.9	36.9	36.8	36.7	36.9	37.4	37.8	36.1	35.9	36.3	36.8	36.9	37.3	37.9	38.9	39.0
21	43.1	43.0	42.6	42.8	42.9	43.0	43.4	43.9	45.0	46.0	45.7	45.3	45.6	46.8	45.9	46.2
22	43.0	42.9	42.8	42.8	42.7	42.9	43.6	43.5	44.9	44.7	45.5	46.0	46.0	44.9	43.3	43.1
23	41.7	41.5	41.3	40.9	40.0	40.3	40.3	39.9	40.2	40.7	40.7	41.9	40.0	41.7	42.0	41.0
24	38.5	37.6	36.3	37.0	37.8	38.1	39.5	41.0	41.0	41.0	41.1	41.0	41.2	41.2	41.0	40.9
25	38.7	38.0	38.2	38.0	38.5	39.1	39.7	40.0	40.9	40.9	41.5	41.5	41.9	40.9	40.8	
26	41.8	42.1	42.1	42.2	42.3	42.4	42.6	42.7	41.9	41.6	41.7	41.2	41.4	41.7	42.0	42.1
27	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	41.9	41.4	43.3	45.6	45.8	46.0	46.1
28	44.0	44.1	44.1	44.0	44.2	44.1	43.9	44.3	44.9	45.3	45.9	45.3	45.8	45.9	46.0	46.0
29	43.8	43.7	43.8	43.8	43.7	43.7	43.6	43.1	43.0	42.9	42.0	42.5	43.7	43.5	42.8	43.2
30	37.5	36.0	34.9	35.1	36.0	37.3	37.4	37.6	37.9	40.0	40.5	41.2	40.6	41.8	41.0	40.6
31	38.2	38.8	38.9	38.8	38.8	38.9	40.7	40.1	40.3	42.3	42.0	43.5	43.8	43.8	43.0	43.6
Mean.	40.6	40.5	40.4	40.4	40.4	40.6	41.1	41.2	41.7	42.1	42.5	42.8	42.8	43.2	42.9	42.8

Greatest range, 11.8 on 4th;

Least range, 1.6 on 26th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

JANUARY, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Hourly mean	Maximum	Minimum	Range	Date	
44.8	44.3	43.9	43.9	44.0	43.9	43.7	43.0	43.8	45.3	1.30 p.m.	... 40.4	0 a.m. 4.9	1
43.3	42.1	41.3	40.6	39.8	39.6	39.6	39.4	42.6	46.2	10.50 a.m.	... 39.4	Midnight 6.8	2
43.2	42.2	40.1	39.3	38.0	36.4	36.1	35.1	41.0	44.8	2.50 p.m.	... 35.1	Midnight 9.7	3
40.2	40.2	40.2	40.3	40.1	40.0	40.1	40.0	40.4	46.9	11.50 a.m.	... 35.1	0 a.m. 11.8	4
42.0	42.0	42.0	42.0	41.9	41.9	41.8	41.5	42.0	3-9 p.m.	... 40.0	0 a.m. 2.0	5	
46.6	45.2	43.6	43.0	40.5	40.3	40.1	39.4	43.4	47.9	4 p.m.	... 39.4	Midnight 8.5	6
42.1	41.7	41.5	41.5	41.6	41.7	42.1	41.2	46.2	1.40 p.m.	... 37.8	3.40 a.m. 8.4	7	
40.5	40.5	38.0	38.8	39.0	38.2	38.0	38.4	40.3	43.0	11.45 a.m.	... 36.1	4.15 p.m. 6.9	8
40.8	40.5	40.4	40.3	40.2	40.2	40.2	39.9	42.6	2.15 p.m.	... 37.3	2 a.m. 5.3	9	
42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.0	42.8	42.8	9-midnight	... 40.2	0-3 a.m. 2.6	10
44.9	44.2	44.0	43.9	43.9	43.6	43.3	43.1	43.6	45.6	2.40 p.m.	... 42.8	0-3 a.m. 2.8	11
39.0	38.9	38.9	38.0	37.3	37.1	38.1	37.9	40.8	43.9	9 a.m.	... 36.5	10.30 p.m. 7.4	12
47.0	46.9	45.0	43.4	43.0	43.1	42.1	41.1	41.9	47.7	3 p.m.	... 36.8	4.30 a.m. 10.9	13
41.0	39.3	39.1	39.2	39.8	39.8	41.0	42.6	39.6	42.6	Midnight	... 37.7	6 a.m. 4.9	14
40.7	40.1	40.0	39.9	39.9	39.9	39.9	39.9	41.6	44.0	3-5 a.m.	... 39.9	8 p.m.-midn't 4.1	15
41.4	40.9	40.7	40.7	40.7	40.7	40.8	40.8	40.9	43.9	12.40 p.m.	... 37.2	9.30 a.m. 6.7	16
40.6	39.9	38.0	38.0	37.9	37.7	38.0	37.7	40.8	43.5	Noon	... 37.6	9.50 p.m. 5.9	17
35.9	38.0	38.1	37.5	37.1	...	...	...	...	...	...	...	...	18
38.1	38.2	38.0	37.9	38.0	37.8	37.4	37.0	...	...	...	...	...	19
39.4	40.0	40.3	42.7	43.3	43.4	43.4	43.3	38.6	43.4	10 p.m.-11 p.m.	34.5	8.30 a.m. 8.9	20
45.4	45.2	45.0	44.8	45.0	45.6	44.9	43.4	44.6	46.8	2 p.m.	... 42.6	3 a.m. 4.2	21
43.0	42.5	41.8	42.0	42.2	42.1	42.0	41.9	43.4	46.5	1.40 p.m.	41.8	7 p.m. 4.7	22
39.8	40.9	40.2	40.5	41.0	41.2	41.3	40.9	41.7	42.0	3 p.m.	39.4	12.50 p.m. 2.6	23
40.9	40.9	40.4	40.3	40.2	40.2	40.0	39.6	39.9	42.9	9.30 a.m.	36.3	3 a.m. 6.6	24
40.9	41.0	41.3	40.7	40.8	41.2	40.8	41.1	40.3	42.0	2.10 p.m.	37.6	2.15 a.m. 4.4	25
42.2	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.7	42.7	8 a.m.	41.1	0 a.m. 1.6	26
46.1	44.1	43.7	43.6	43.5	43.6	43.7	43.8	43.3	46.2	4.10 p.m.	41.4	11 a.m. 4.8	27
45.4	45.0	44.8	44.4	44.1	44.4	44.0	43.9	44.7	46.3	2.50 p.m.	43.8	0 a.m. 2.5	28
41.1	40.0	40.2	40.9	41.0	40.3	40.0	38.0	42.4	44.8	1.15 p.m.	39.0	Midnight 6.8	29
40.5	39.8	39.3	39.4	40.2	40.1	37.9	37.1	38.8	42.9	2.30 p.m.	34.9	3 a.m. 8.0	30
42.3	41.3	41.0	41.0	40.8	40.8	41.0	41.3	41.0	43.9	3 p.m.	37.1	0 a.m. 6.8	31
42.3	41.9	41.4	41.3	41.2	41.1	40.9	40.7	41.6	44.5	.....	38.6	..... 5.9	Mean.

Absolute Maximum = 47.9 at 4 p.m. on 6th.

Absolute Minimum = 34.5 at 8.30 a.m. on 20th.

Table II.—AIR TEMPERATURE

STATED IN

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	41.6	42.0	42.0	42.0	42.0	42.3	42.3	42.5	42.9	42.6	43.0	43.7	42.6	42.7	43.5	44.1
2	42.3	42.3	42.6	42.5	42.9	42.9	42.3	41.0	43.1	42.8	43.5	44.0	44.1	44.1	44.4	43.7
3	43.8	43.9	43.8	43.7	43.4	43.9	44.2	45.1	45.1	45.0	43.4	42.9	42.2	41.2	41.0	41.0
4	40.0	39.1	39.9	40.1	39.2	40.8	41.2	42.3	42.0	43.1	44.3	45.8	43.5	42.9	42.4	42.5
5	43.2	43.0	43.0	42.9	42.9	42.9	42.9	43.0	43.0	43.1	43.1	43.7	44.0	44.1	44.2	44.1
6	45.5	45.2	45.0	44.9	45.1	45.0	44.2	44.1	44.0	44.0	44.2	44.2	45.0	44.9	43.7	43.5
7	40.1	41.7	41.8	41.8	41.8	41.9	42.6	42.3	42.5	43.2	45.3	46.5	46.4	46.2	46.0	45.2
8	43.3	43.1	43.1	43.0	43.4	43.6	44.0	44.2	45.0	45.0	45.2	45.7	46.8	46.1	46.0	45.8
9	42.2	42.1	42.1	42.1	42.2	42.5	43.5	44.1	45.0	45.8	46.7	47.2	47.6	47.9	47.3	47.0
10	42.6	42.7	42.8	43.0	43.1	43.1	43.0	42.9	42.3	42.1	42.8	43.7	45.3	44.2	44.1	43.7
11	42.3	42.4	42.5	42.0	40.9	41.4	41.3	41.9	41.7	42.0	43.9	45.2	42.3	42.1	41.3	40.9
12	41.2	41.2	41.8	42.1	42.1	42.2	42.3	42.5	39.7	40.1	41.2	40.7	43.5	42.6	42.7	40.1
13	36.9	37.5	38.0	38.1	37.8	38.0	39.9	39.8	41.0	41.9	42.5	43.0	42.9	41.9	40.4	40.0
14	38.0	38.3	39.0	39.1	39.1	39.2	39.2	39.1	39.1	41.2	42.0	42.4	43.3	42.2	40.3	39.0
15	36.5	37.0	37.8	38.0	38.3	38.2	38.5	39.0	40.2	40.0	40.7	39.8	40.8	42.3	41.8	40.9
16	40.8	41.2	41.9	42.8	43.9	43.8	43.8	43.7	43.7	43.7	43.8	43.9	43.9	44.0	44.0	44.0
17	40.9	40.9	40.2	40.1	40.0	38.9	40.1	41.0	41.2	41.3	41.6	42.6	43.6	41.6	41.7	40.8
18	37.3	38.0	38.7	38.5	38.4	38.8	40.7	40.5	41.8	42.7	42.2	41.5	43.2	42.8	41.7	42.4
19	40.1	40.2	40.5	41.2	41.3	42.0	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.8
20	42.0	42.0	42.0	42.0	42.0	42.0	42.0	41.9	41.0	41.1	41.6	42.2	42.9	42.5	43.2	43.5
21	38.0	37.0	37.2	37.5	37.8	38.1	39.6	40.4	42.4	42.4	42.1	42.0	44.7	43.3	43.0	42.8
22	39.8	39.5	39.4	39.0	38.9	39.1	39.9	41.6	43.4	...	...	...	...	...	45.2	...
23	...	...	...	...	...	...	...	...	41.0	...	...	...	...	...	42.8	...
24	...	...	...	...	...	...	...	...	44.9	...	...	44.3	43.9	43.2	44.9	44.1
25	43.0	43.0	43.0	43.0	43.0	43.1	43.6	44.0	44.8	45.0	45.3	45.1	44.2	44.1	44.0	43.8
26	43.8	43.8	43.8	43.8	42.4	42.3	42.0	41.9	42.0	41.2	43.0	44.7	44.2	44.2	44.0	46.0
27	40.0	40.0	39.9	39.8	39.7	39.6	39.8	40.7	41.8	42.7	42.4	42.5	42.6	42.6	42.7	42.8
28	40.7	40.8	40.9	40.8	41.1	41.3	42.2	43.1	44.0	44.6	45.8	46.1	45.9	44.5	42.7	43.2
Mean.	41.0	41.2	41.3	41.4	41.4	41.5	41.9	42.2	42.5	42.8	43.3	43.7	43.9	44.5	43.2	42.0

Greatest range, 8.1 on 3rd;

Least range, 2.3 on 2nd and 25th.

—HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

FEBRUARY, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
43.5	42.1	41.5	41.4	42.0	42.1	42.2	42.3	42.4	46.7	1.30 p.m. ...	40.5	8.15 p.m. ...	6.2 1
43.3	43.2	43.1	43.0	43.0	43.1	43.3	43.6	43.1	44.6	12.30 p.m. ...	42.3	0.2 a.m. ...	2.3 2
40.7	41.0	40.9	41.3	41.5	40.8	40.0	39.0	42.6	45.9	9.15 a.m. ...	37.8	10.40 p.m. ...	8.1 3
43.1	43.0	43.8	43.3	43.2	43.1	43.2	43.3	42.2	45.8	Noon ...	38.8	4.50 a.m. ...	7.0 4
43.5	43.3	43.2	43.8	43.7	44.7	44.9	45.2	43.5	45.4	11.30 p.m. ...	42.9	4.7 a.m. ...	2.5 5
43.1	42.9	43.0	43.0	43.0	41.9	40.5	39.8	43.9	45.8	1.30 p.m. ...	39.8	Midnight ...	6.0 6
44.7	43.0	43.1	43.0	42.9	42.1	42.9	43.1	43.3	46.5	Noon ...	39.8	0 a.m. ...	6.7 7
45.3	44.9	44.1	43.9	43.0	42.8	42.4	42.3	44.3	46.8	1 p.m. ...	42.3	Midnight ...	4.5 8
46.2	44.0	42.1	41.2	42.3	42.4	42.4	42.5	44.1	47.9	2 p.m. ...	41.2	8 p.m. ...	6.7 9
42.7	42.4	42.4	42.4	42.3	42.5	43.2	42.7	43.0	45.8	1.15 p.m. ...	42.1	10 a.m. ...	3.7 10
40.0	39.8	39.9	41.0	41.3	41.2	41.1	41.2	41.7	45.2	Noon ...	38.9	5.30 p.m. ...	6.3 11
40.2	39.9	39.7	39.6	39.7	39.8	39.6	38.7	41.0	43.5	1 p.m. ...	38.7	Midnight ...	4.8 12
39.1	37.6	37.2	35.9	36.6	36.8	37.0	37.3	39.1	43.2	11.45 a.m. ...	35.9	8 p.m. ...	7.3 13
39.0	38.9	38.0	38.1	38.3	38.2	38.2	38.1	39.4	42.9	11.30 a.m. ...	37.3	0 a.m. ...	5.6 14
41.4	41.7	40.9	40.8	40.8	40.8	40.6	40.7	39.8	42.3	2 p.m. ...	36.1	1.30 a.m. ...	6.2 15
43.7	42.9	42.0	41.2	40.9	40.9	41.0	41.0	42.8	44.0	2.4 p.m. ...	40.7	0 a.m. ...	3.3 16
40.2	40.0	39.8	39.9	39.1	39.0	39.3	38.8	40.6	43.6	1 p.m. ...	38.7	6.10 a.m. ...	4.9 17
38.5	40.6	39.7	40.4	40.2	39.9	39.8	40.0	40.3	43.2	1 p.m. ...	36.5	1.30 a.m. ...	6.7 18
42.7	42.6	42.5	42.2	42.0	42.0	42.0	42.0	42.1	42.9	9 a.m.—3 p.m. ...	40.0	0 a.m. ...	2.9 19
41.0	40.9	39.4	38.9	39.0	38.8	38.9	38.3	41.3	43.5	4 p.m. ...	38.3	Midnight ...	5.2 20
42.2	41.7	41.3	41.1	41.0	40.8	40.5	39.9	40.7	44.9	12.40 p.m. ...	37.0	2 a.m. ...	7.9 21
...	...	...	...	40.4	...	...	...	...	...	...	...	...	...
...	...	...	...	40.0	...	...	...	...	...	...	...	...	23
43.8	43.5	43.0	43.0	43.0	43.0	43.0	43.0	...	...	...	...	...	24
43.2	43.3	43.4	43.5	43.5	43.4	43.4	43.4	43.7	45.3	11 a.m. ...	43.0	0.5 a.m. ...	2.3 25
44.1	42.0	41.5	41.0	41.5	40.9	39.9	40.0	42.7	46.2	3.40 p.m. ...	39.9	11 p.m. ...	6.3 26
42.8	42.7	42.8	42.8	42.9	42.5	42.2	40.6	41.6	42.9	9 p.m. ...	39.6	6 a.m. ...	3.3 27
43.1	43.0	42.8	42.9	42.9	42.0	42.0	42.8	42.9	46.1	Noon ...	40.6	0 a.m. ...	5.5 28
42.3	42.0	41.5	41.4	41.5	41.3	41.3	41.2	42.1	45.1	.....	40.1	.....	5.0 Mean.

Absolute Maximum = 47.9 at 2 p.m. on 9th.      Absolute Minimum = 35.9 at 8 p.m. on 13th;

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	42.6	42.6	42.6	42.4	42.0	41.8	42.0	42.7	44.3	44.9	45.2	45.3	45.6	47.7	45.9	44.5
2	44.2	44.6	44.5	44.7	45.7	45.3	44.9	45.0	45.0	45.1	45.3	45.4	45.7	45.8	46.1	46.3
3	44.3	44.6	44.6	44.2	43.5	42.5	41.9	42.3	43.0	43.6	43.8	44.8	44.2	44.1	44.3	43.9
4	39.9	39.7	39.8	39.3	39.3	39.4	41.1	42.1	43.0	43.1	43.7	44.0	43.5	43.6	43.9	44.0
5	41.8	41.6	41.4	41.1	41.0	40.8	40.3	41.8	41.9	42.6	43.1	43.6	43.8	42.1	40.9	41.5
6	38.1	37.9	37.6	37.6	37.9	37.7	36.1	37.4	39.0	39.0	38.9	40.5	41.8	42.1	42.3	42.7
7	44.3	44.8	44.8	44.7	44.5	44.6	44.3	44.4	44.7	44.9	45.8	46.0	45.8	46.0	46.8	46.8
8	47.0	46.3	44.8	44.2	44.2	43.5	43.2	42.9	43.9	45.1	44.9	45.1	45.4	45.5	45.3	45.4
9	47.3	46.8	45.8	45.7	42.8	42.9	42.8	41.9	42.9	43.8	43.9	43.7	44.0	42.2	42.0	41.3
10	41.9	42.2	42.4	42.9	43.2	43.4	43.8	44.0	44.1	44.8	44.9	42.3	42.2	43.6	44.9	44.3
11	42.1	40.0	40.8	39.2	39.4	39.8	38.5	38.3	40.9	39.1	41.6	41.2	42.5	42.4	42.7	41.6
12	40.5	37.6	41.0	41.3	41.4	41.6	39.4	41.5	42.3	42.4	42.9	39.0	41.3	38.5	41.0	39.0
13	39.6	38.5	39.3	39.3	38.6	38.8	39.3	39.8	40.1	40.6	41.2	40.1	41.0	40.7	38.1	40.2
14	35.9	37.2	37.2	37.5	37.6	37.7	38.0	38.3	40.0	39.9	42.2	41.0	41.2	41.0	40.6	39.9
15	38.9	39.1	39.5	40.0	40.2	40.1	40.3	40.3	42.0	43.0	43.1	42.9	43.9	44.0	43.9	42.7
16	41.9	42.1	42.5	42.3	42.7	42.5	42.2	42.2	43.0	43.1	43.4	43.9	43.3	43.1	43.2	42.5
17	39.9	40.1	40.1	40.4	40.5	40.7	40.8	41.0	42.5	43.0	43.7	44.0	44.5	44.0	43.0	43.2
18	43.7	43.8	43.8	43.5	43.4	43.3	43.3	43.6	44.1	44.1	44.1	44.1	44.3	43.7	44.8	44.9
19	45.2	45.2	45.2	45.3	45.6	45.8	45.9	46.0	46.0	46.0	45.5	45.2	45.1	45.1	45.2	45.2
20	45.0	45.8	45.7	45.4	45.5	44.8	43.2	43.2	44.0	44.3	44.5	42.6	42.4	42.3	42.5	42.7
21	38.2	38.2	38.1	38.1	38.1	38.1	38.0	38.5	41.0	41.5	42.5	42.6	42.3	42.6	42.4	42.1
22	42.8	42.7	42.6	42.5	42.5	42.4	42.3	42.2	42.7	43.0	43.2	43.2	43.9	43.0	42.0	42.0
23	42.2	42.1	42.1	42.0	42.0	42.0	42.0	42.0	42.0	41.8	41.7	41.7	41.7	41.6	42.3	42.2
24	42.1	43.0	42.8	42.9	42.1	42.1	42.2	42.2	42.2	42.2	42.8	42.9	43.0	43.1	43.1	43.1
25	44.1	44.3	44.3	44.3	44.3	44.2	44.2	44.2	44.2	44.2	43.8	43.6	43.4	43.2	43.0	43.0
26	44.0	44.0	45.1	46.2	46.2	46.2	46.1	45.9	45.5	45.8	43.7	42.1	42.0	42.0	41.9	41.3
27	40.8	40.8	40.9	40.9	40.9	41.1	41.9	42.7	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.1
28	39.2	38.8	38.0	37.0	35.1	35.6	36.0	37.0	37.0	37.7	37.6	37.5	38.1	37.8	37.0	36.0
29	35.9	36.0	36.1	36.2	36.5	37.1	37.3	38.0	39.0	40.7	40.1	41.0	40.3	39.2	40.2	40.0
30	37.5	39.0	39.1	39.1	38.0	39.0	36.4	39.0	40.8	40.8	41.0	40.9	41.2	42.0	42.0	42.0
31	41.0	40.1	40.3	40.0	39.0	37.2	40.0	39.0	37.3	39.0	40.0	37.9	37.9	38.0	40.7	37.5
Mean.	41.7	41.6	41.7	41.6	41.4	41.4	41.2	41.6	42.3	42.6	42.9	42.6	42.8	42.9	42.8	42.4

Greatest range, 9.8 on 20th;

Least range, 1.1 on 19th;

## METEOROLOGY—MACQUARIE ISLAND STATION.

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—HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

(MARCH, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
44.2	44.1	44.2	44.1	44.0	44.1	44.3	44.0	43.9	47.7	2 p.m. ....	41.5	6.30 a.m. ....	6.2 1
46.0	46.1	46.0	46.0	46.0	45.5	45.0	45.0	45.4	46.5	4:40 p.m. ....	44.0	0 a.m. ....	2.5 2
43.9	42.0	41.7	41.2	41.0	40.8	39.6	39.9	43.0	44.9	11:50 a.m. ....	38.7	11:30 p.m. ....	6.2 3
44.4	44.0	44.0	44.0	44.0	43.2	42.9	42.9	42.4	44.4	5 p.m. ....	39.2	4:30 a.m. ....	5.2 4
41.4	40.5	39.9	39.1	39.2	39.2	39.3	39.0	41.2	43.8	1 p.m. ....	39.0	Midnight ....	4.8 5
42.8	42.8	43.0	43.5	43.8	44.2	44.6	44.7	40.5	44.7	Midnight ....	36.1	7 a.m. ....	8.6 6
45.9	46.0	45.9	47.1	47.0	48.1	49.0	48.1	45.8	49.3	11:15 p.m. ....	44.3	1 a.m. & 7 p.m. ....	5.0 7
45.8	46.0	46.5	46.6	47.0	47.4	47.9	47.8	45.5	48.1	0 a.m. ....	42.8	7:50 a.m. ....	5.3 8
41.3	40.4	40.4	41.6	42.2	41.8	41.8	41.9	43.1	47.9	0:50 a.m. ....	40.4	6 p.m.-7 p.m. ....	7.5 9
43.7	43.7	42.6	43.0	42.6	42.6	42.5	42.2	43.2	44.9	11 a.m. & 3 p.m. ....	39.4	12:10 p.m. ....	5.5 10
40.8	40.4	39.5	39.9	40.2	38.9	40.1	40.6	40.5	45.5	12:45 p.m. ....	37.5	10:10 p.m. ....	8.0 11
39.4	39.3	38.2	38.4	39.3	39.3	39.5	39.6	40.2	42.9	11 a.m. ....	36.5	12:10 p.m. ....	6.4 12
40.0	39.6	38.5	38.1	38.7	38.6	37.9	37.8	39.4	41.2	11 a.m. ....	36.3	11:30 a.m. ....	4.9 13
39.7	39.9	40.0	40.3	40.2	40.1	39.9	39.8	39.3	42.2	11 a.m. ....	35.9	1 a.m. ....	6.3 14
42.4	42.3	42.1	42.1	41.2	40.9	41.6	41.9	41.6	44.3	2:15 p.m. ....	38.9	1 a.m. ....	5.4 15
42.2	40.3	40.4	40.3	40.0	40.5	40.5	40.3	42.1	43.9	Noon ....	38.1	6:50 a.m. ....	5.8 16
43.1	43.1	43.1	43.4	43.8	43.9	44.0	43.7	42.4	44.5	1 p.m. ....	38.8	0:15 a.m. ....	5.7 17
44.9	44.8	44.9	45.1	45.1	45.1	45.1	45.1	44.2	45.1	8 p.m.-midnight ....	43.3	6-7 a.m. ....	1.8 18
45.3	45.5	45.9	45.8	46.0	46.0	46.1	46.2	45.6	46.2	Midnight ....	45.1	0 a.m. & 1-2 p.m. ....	1.1 19
38.7	37.3	36.9	38.5	38.5	38.5	38.5	38.3	42.2	46.2	0 a.m. ....	36.4	7:30 p.m. ....	9.8 20
42.1	42.0	41.9	42.0	42.0	42.2	42.1	42.3	40.7	43.2	2:5 p.m. ....	37.8	6:30 a.m. ....	5.4 21
42.1	42.1	42.7	42.9	43.1	43.0	42.7	42.3	42.7	43.9	1 p.m. ....	42.0	3:4 p.m. ....	1.9 22
42.0	42.1	42.3	42.9	43.7	43.9	43.9	43.8	42.3	43.9	10-11 p.m. ....	41.3	2:10 p.m. ....	2.6 23
43.1	43.2	43.2	43.4	43.6	43.7	43.8	44.0	42.9	44.0	Midnight ....	41.9	11:10 a.m. ....	2.1 24
42.8	42.3	42.1	42.0	42.0	42.0	42.1	43.0	43.4	44.3	2:5 a.m. ....	41.8	9:10 p.m. ....	2.5 25
40.8	40.2	39.5	38.9	40.8	40.8	40.8	40.8	43.0	46.2	4:6 a.m. ....	38.9	8 p.m. ....	7.3 26
43.5	44.1	44.2	44.2	43.3	42.5	41.0	40.0	42.1	44.2	7-8 p.m. ....	40.0	Midnight ....	4.2 27
36.2	36.8	36.7	36.6	36.3	34.5	35.1	35.5	36.9	40.0	0 a.m. ....	34.5	10 p.m. ....	5.5 28
39.5	38.9	38.0	38.5	38.7	38.1	37.9	39.0	38.3	41.5	12:30 p.m. ....	35.5	0 a.m. ....	6.0 29
42.0	42.0	42.0	42.0	42.0	42.0	41.3	41.0	40.5	42.3	5:10 p.m. ....	35.4	0:15 a.m. ....	6.9 30
38.7	39.2	39.0	37.2	36.8	33.0	36.0	36.5	38.1	41.0	0-1 a.m. ....	33.0	10 p.m. ....	8.0 31
42.2	42.0	41.7	41.9	42.0	41.8	41.8	41.8	42.1	44.4	.....	39.2	.....	5.3 Mean.

Absolute Maximum = 49.3 at 11.15 p.m. on 7th.

Absolute Minimum = 33.0 at 10 p.m. on 31st.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	36.1	35.9	38.3	38.3	38.3	36.0	39.3	38.8	38.0	37.5	36.5	37.0	36.3	37.1	37.5	37.2
2	34.8	34.2	34.1	33.1	33.3	33.5	33.9	34.0	32.4	33.9	34.9	36.3	38.0	35.8	35.1	35.6
3	34.5	35.2	36.0	35.7	35.1	35.0	36.0	37.9	39.4	40.8	40.8	40.0	39.6	38.7	37.0	37.4
4	38.2	38.1	38.0	38.1	38.2	38.3	38.6	39.6	41.6	42.1	41.5	40.1	39.5	39.2	39.1	38.8
5	38.5	38.1	38.6	38.5	38.9	38.8	38.5	38.2	39.6	40.7	40.9	40.1	41.2	40.0	40.3	40.2
6	38.0	36.3	36.9	38.0	36.8	36.0	38.1	37.5	37.2	37.5	36.9	37.0	37.0	38.2	36.0	36.6
7	41.5	41.8	41.9	41.9	41.9	41.9	42.1	42.3	42.3	42.3	42.3	42.2	42.0	41.9	41.7	41.5
8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.1	42.1	42.0	42.0	42.0	42.0	42.0
9	41.6	42.0	42.5	42.4	42.4	42.3	42.2	42.2	42.1	42.0	42.0	42.0	42.0	42.0	41.9	41.9
10	40.1	38.5	38.5	38.5	37.9	37.2	36.2	36.2	36.8	36.8	36.7	36.5	36.4	36.4	36.3	
11	35.9	36.0	36.0	36.0	36.0	35.9	35.9	35.9	35.9	36.7	36.8	37.4	38.0	38.9	39.3	39.3
12	40.4	41.0	41.2	41.2	41.2	41.3	42.4	42.9	43.0	42.9	43.8	43.2	43.2	43.2	44.0	44.1
13	...	...	...	...	...	...	...	...	44.7	44.0	43.9	43.9	43.7	43.7	42.0	42.0
14	40.9	40.8	39.4	38.9	39.6	40.8	40.1	40.2	41.0	41.1	41.2	40.7	40.8	40.9	40.8	40.9
15	40.0	40.1	39.9	39.8	39.8	39.2	38.8	39.7	41.0	39.6	40.0	42.3	40.7	39.0	41.2	41.2
16	40.2	40.4	40.4	40.4	40.4	40.5	40.9	42.3	43.2	43.0	43.0	43.0	43.0	43.0	43.0	43.0
17	42.7	42.6	42.3	42.0	41.8	41.7	41.2	40.2	39.6	38.9	38.0	38.0	38.0	38.1	37.8	37.1
18	37.0	38.0	38.5	40.7	43.4	42.7	42.6	42.8	43.4	43.4	43.4	44.2	43.7	42.4	42.4	42.3
19	42.0	42.7	42.5	42.6	42.8	43.1	43.3	43.6	44.1	43.1	42.9	43.1	43.1	43.0	43.0	42.0
20	41.0	41.1	41.2	40.8	39.8	39.1	39.0	38.5	39.7	39.1	38.0	39.5	39.8	39.8	39.1	38.2
21	37.6	38.6	38.2	38.6	38.4	36.1	36.0	37.2	36.7	36.6	35.7	35.3	35.4	35.4	35.4	
22	35.9	36.9	37.3	38.2	38.4	38.6	39.5	40.4	41.4	41.7	42.1	42.6	42.6	42.7	42.7	42.6
23	43.2	43.2	43.2	43.4	43.7	43.9	43.9	44.2	44.2	44.8	44.4	44.1	44.0	43.9	43.7	43.3
24	37.9	37.8	36.9	35.9	35.2	35.8	36.0	36.0	36.0	36.0	36.1	36.0	38.0	37.8	39.0	38.0
25	40.8	40.7	41.0	41.5	41.5	41.6	41.8	41.9	42.0	42.1	42.3	42.4	42.3	42.3	42.8	42.8
26	40.8	40.3	40.4	40.2	40.0	39.8	39.7	40.1	41.2	41.0	41.2	41.9	41.9	42.0	42.0	42.0
27	39.9	40.2	40.4	40.8	40.9	40.9	40.9	40.9	41.0	41.3	40.1	41.0	41.5	41.0	40.9	40.5
28	38.8	38.2	38.6	38.0	37.0	37.5	37.9	38.0	38.2	38.0	38.1	39.0	39.8	39.7	39.2	38.9
29	39.8	39.8	38.2	38.7	38.7	38.6	38.3	38.3	37.6	39.4	39.1	38.2	37.5	39.1	36.3	37.0
30	36.6	35.0	34.4	35.2	34.4	35.1	34.3	34.2	34.0	35.9	34.2	32.2	35.8	36.0	35.0	35.0
Mean.†	39.1	39.1	39.1	39.2	39.2	39.0	39.2	39.3	39.6	39.9	39.7	39.8	40.0	39.9	39.7	39.6

Greatest range, 10.2 on 10th. Least range, 1.3 on 8th and 9th.

HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

APRIL, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
37.2	37.9	35.9	35.2	35.3	35.0	34.9	34.0	36.7	39.4	9.50 a.m.	... 32.9	11.10 p.m. ... 6.5 1
35.3	34.8	34.7	34.8	34.4	34.3	34.2	34.2	34.6	38.0	1 p.m.	... 31.7	3.50 a.m. ... 6.3 2
37.6	37.9	38.4	38.6	38.9	38.7	38.6	38.3	37.7	41.2	11.5 a.m.	... 34.2	0 a.m. ... 7.0 3
37.2	38.1	36.6	36.6	36.1	36.6	37.8	38.3	38.6	43.1	10.55 a.m.	... 34.9	4.30 p.m. ... 8.2 4
40.0	39.6	39.3	39.1	38.2	38.4	38.1	38.9	39.3	42.5	2.45 p.m.	... 37.0	4.45 a.m. ... 5.5 5
36.9	37.2	38.2	38.9	38.0	38.7	40.0	40.8	37.6	40.8	Midnight	... 33.2	8.30 a.m. ... 7.6 6
41.3	41.9	41.9	41.9	41.8	41.8	41.8	41.8	41.9	42.4	9.50 a.m.	... 40.8	0 a.m. ... 1.6 7
42.0	42.0	41.9	41.2	41.2	41.3	41.4	41.9	42.1	42.1	10.11 a.m.	... 40.8	11.15 p.m. ... 1.3 8
42.1	42.2	42.6	42.6	42.6	42.5	42.7	42.2	42.7	42.7	Midnight	... 41.4	0 a.m. ... 1.3 9
35.2	34.0	32.5	31.6	35.8	35.8	35.7	35.6	36.7	42.7	0 a.m.	... 32.5	7 p.m. ... 19.2 10
39.2	39.1	39.1	39.0	39.0	39.7	40.7	40.5	37.7	40.7	11 p.m.	... 35.6	0 a.m. ... 5.1 11
44.2	44.5	...	45.1	...	...	...	...	...	...	...	...	...
41.9	41.8	41.8	42.0	43.0	43.3	43.3	42.1	...	...	...	...	...
41.8	41.7	41.7	40.9	41.3	40.0	40.3	40.8	40.7	42.1	0 a.m.	... 38.9	4 a.m. ... 3.2 14
39.9	39.3	39.4	39.7	40.2	40.2	40.1	40.2	40.1	42.3	Noon	... 38.1	7.10 a.m. ... 4.2 15
43.0	42.9	42.9	42.9	42.9	42.8	42.7	42.0	42.0	43.2	10 a.m.	... 40.2	0-1 a.m. ... 3.0 16
36.9	36.8	36.8	36.8	36.7	36.7	36.5	36.4	39.0	42.7	0-1 a.m.	... 36.4	Midnight ... 6.3 17
41.3	41.3	41.4	41.5	41.9	41.9	41.9	41.9	41.7	44.3	11.45 a.m.	... 36.3	0.10 a.m. ... 8.0 18
41.9	41.2	41.3	41.8	41.2	41.1	41.2	41.3	42.4	44.1	9 a.m.	... 41.1	10 p.m. ... 3.0 19
40.0	39.3	39.5	38.7	39.2	39.2	37.0	39.0	39.4	41.3	0 a.m.	... 35.2	10.30 p.m. ... 6.1 20
35.4	35.5	35.4	35.8	36.0	35.9	35.8	35.7	36.4	39.5	2.30 a.m.	... 34.1	10.30 a.m. ... 5.4 21
42.6	42.7	42.9	43.0	43.2	43.2	43.2	43.2	41.0	43.2	9 p.m.-midnight	... 35.7	0 a.m. ... 7.5 22
42.1	41.0	40.1	39.0	37.3	37.2	37.0	36.5	42.3	44.8	10 a.m.	... 36.5	Midnight ... 8.3 23
38.5	38.9	39.5	40.7	40.8	40.8	40.8	40.8	37.8	40.8	9 p.m.-midnight	... 33.5	11.20 a.m. ... 7.3 24
42.8	42.8	42.8	41.6	41.0	41.0	41.0	40.9	41.8	42.8	3.7 p.m.	... 40.7	2 a.m. ... 2.1 25
42.0	42.0	42.0	42.0	42.0	41.9	41.8	41.1	41.2	42.3	8.50 p.m.	... 38.9	5.40 a.m. ... 3.4 26
39.0	34.2	37.0	39.1	39.0	39.0	38.3	38.5	39.9	41.5	1 p.m.	... 34.2	6 p.m. ... 7.3 27
37.4	38.3	38.0	38.3	38.8	39.5	39.6	39.7	38.5	39.9	2.30 p.m.	... 36.0	4.40 a.m. ... 3.9 28
36.7	37.0	37.2	37.9	38.8	36.2	37.2	37.5	38.1	39.8	1-2 a.m.	... 34.3	8.45 a.m. ... 5.5 29
35.3	34.7	35.6	35.1	37.5	37.6	37.7	37.8	35.4	37.9	0.10 a.m.	... 32.2	Noon ... 5.7 30
39.3	39.1	39.1	39.2	39.3	39.2	39.2	39.3	39.4	41.7	.....	36.3	..... 5.4 Mean.

Absolute Maximum = 44.8 at 10 a.m. on 23rd.    Absolute Minimum = 31.7 at 3.50 a.m. on 2nd.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	37.8	36.5	34.7	33.9	34.3	34.3	36.1	42.3	42.3	42.2	38.0	37.1	37.4	36.8	37.7	36.3
2	36.9	36.9	36.9	37.2	37.2	37.1	37.0	36.9	37.5	35.8	34.8	34.5	35.9	39.5	42.3	42.3
3	41.0	39.7	39.7	39.7	39.7	38.2	39.0	38.0	38.8	37.9	36.8	36.5	36.3	36.5	38.0	37.0
4	34.0	32.9	32.9	32.6	32.5	32.3	32.2	32.1	32.3	32.3	32.6	33.4	33.8	33.9	34.3	34.3
5	39.0	39.3	40.3	41.0	41.4	41.4	41.6	41.8	42.0	41.9	42.3	42.3	42.3	42.3	42.3	42.4
6	38.1	38.7	39.0	39.1	39.3	40.0	40.3	40.7	41.3	41.4	42.0	42.1	42.5	42.6	42.7	42.7
7	41.2	41.0	40.3	40.2	40.0	39.8	39.4	39.6	40.0	39.9	41.0	41.1	41.3	41.5	42.0	42.0
8	42.0	42.2	42.5	42.8	43.0	42.9	42.8	42.7	42.8	43.4	43.4	43.6	43.5	43.5	43.7	43.6
9	42.5	42.6	42.6	42.5	42.5	42.5	42.5	41.8	41.3	40.8	40.3	39.3	40.3	38.8	35.8	36.1
10	34.8	34.7	34.1	33.0	34.5	34.1	31.3	32.3	33.7	34.5	34.5	31.0	34.0	35.3	34.5	32.0
11	29.0	30.0	30.3	31.4	33.0	35.1	35.9	36.7	37.0	36.7	37.0	37.1	37.9	38.1	40.1	40.1
12	35.5	37.0	36.3	36.7	35.0	35.1	35.0	36.2	36.2	36.1	36.1	35.9	36.1	36.5	38.0	38.1
13	40.0	40.2	40.4	40.3	40.3	40.4	40.5	40.7	40.9	40.9	40.9	41.0	41.0	41.1	41.6	41.9
14	40.1	40.1	40.0	40.0	39.5	39.7	40.1	41.0	41.7	41.7	41.7	41.6	41.1	41.0	40.7	40.0
15	38.2	38.9	38.7	38.9	40.3	42.0	41.9	41.2	41.1	42.3	42.1	41.7	42.0	43.3	42.6	42.6
16	44.8	44.6	44.3	44.0	43.8	43.8	43.7	43.3	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.0
17	44.7	44.9	44.9	44.6	44.4	44.4	44.8	44.9	44.6	44.0	44.0	44.0	44.4	44.5	44.9	44.0
18	40.3	40.2	40.0	40.0	39.7	39.5	39.8	39.8	39.2	39.9	40.1	40.0	40.2	40.1	39.8	38.5
19	38.0	38.3	38.7	38.6	38.6	38.8	38.9	38.9	39.0	39.0	39.9	39.5	39.5	40.0	40.2	40.1
20	38.6	38.6	38.6	38.7	40.2	40.1	40.2	40.8	41.8	42.3	43.5	43.1	44.2	44.5	45.0	42.3
21	41.7	41.7	42.3	43.1	42.5	42.7	42.6	42.1	41.7	41.5	41.3	41.4	40.9	41.0	41.0	40.8
22	40.5	40.7	40.9	40.9	39.3	39.3	39.3	39.7	40.0	40.2	40.4	40.7	40.6	40.4	40.3	36.7
23	35.6	36.6	36.6	36.8	36.7	36.9	37.0	37.0	37.4	37.9	38.6	38.9	39.0	39.0	38.9	38.7
24	39.6	39.7	39.8	39.8	39.9	40.1	40.2	40.3	40.4	39.5	39.1	39.2	39.2	39.3	39.0	38.9
25	39.1	39.0	38.6	38.4	38.1	38.1	37.3	37.1	38.0	38.3	39.6	38.7	39.3	38.0	38.2	37.2
26	38.1	38.1	38.1	38.1	38.1	38.2	38.3	38.7	39.0	39.1	39.5	40.0	40.0	40.0	40.7	42.3
27	40.2	40.1	39.5	39.0	38.0	36.9	35.2	35.2	36.3	37.3	38.1	38.4	39.2	39.7	39.5	38.9
28	37.2	37.0	37.0	36.7	35.8	35.8	36.0	36.5	37.7	37.7	38.0	37.8	37.8	37.8	37.2	37.1
29	34.0	34.5	34.2	34.2	34.2	34.0	33.2	33.0	32.2	32.6	32.9	32.9	32.8	32.8	32.9	32.5
30	35.0	35.4	35.5	35.7	36.0	36.3	37.0	37.7	38.3	38.4	38.3	38.4	38.5	38.8	39.3	39.4
31	40.2	40.2	40.1	40.0	40.0	40.0	39.3	38.9	39.3	40.0	40.0	39.9	39.0	38.9	38.6	38.8
Mean.	38.6	38.7	38.6	38.6	38.6	38.7	38.7	39.0	39.3	39.4	39.3	39.2	39.5	39.6	39.8	39.4

Greatest range, 12.2 on 11th; Least range, 1.6 on 24th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

MAY, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.		Minimum.		Range.	Date
36.8	36.7	36.8	36.8	36.9	36.9	36.9	36.9	37.2	42.3	8-9 a.m.	... 33.9	4 a.m.	... 8.4	1
42.4	42.5	42.6	42.9	43.1	43.2	43.7	41.8	39.1	43.7	11 p.m.	... 34.0	11.50 a.m.	... 9.7	2
35.8	37.1	34.9	35.3	34.0	33.9	33.2	33.8	37.3	41.8	0 a.m.	... 33.0	11.40 p.m.	... 8.8	3
34.0	34.5	35.8	36.8	37.0	37.8	38.0	38.8	34.1	39.0	11.40 p.m.	... 31.9	7.20 a.m.	... 7.1	4
42.3	36.8	36.2	36.1	36.0	36.0	37.4	38.0	40.1	42.4	4 p.m.	... 35.9	9.15 p.m.	... 6.5	5
42.6	42.5	42.3	42.1	42.0	41.9	41.7	41.3	41.1	43.0	3.30 p.m.	... 38.0	0 a.m.	... 5.0	6
42.1	42.2	42.3	42.1	42.0	42.0	42.0	42.0	41.1	42.3	7 p.m.	... 39.4	7 a.m.	... 3.9	7
43.5	43.6	43.5	43.3	42.8	42.8	42.8	42.7	43.0	43.8	3.30 p.m.	... 42.0	0-1 a.m.	... 1.8	8
37.2	35.3	34.4	35.3	37.0	35.8	34.3	35.0	39.2	42.7	0 a.m.	... 33.8	6.30 p.m.	... 8.9	9
30.4	30.2	30.3	30.0	29.0	29.0	29.0	27.9	32.4	35.9	11.40 a.m.	... 27.8	11.50 p.m.	... 8.1	10
40.1	40.1	39.6	38.1	36.7	37.5	36.9	37.3	36.1	40.1	3-6 p.m.	... 27.9	0.15 a.m.	... 12.2	11
37.7	37.9	37.0	38.2	38.5	39.0	39.2	39.5	36.9	39.5	Midnight	... 34.2	5.45 a.m.	... 5.3	12
42.1	42.5	42.0	42.9	42.9	40.3	40.2	40.2	41.1	42.9	7-9 p.m.	... 39.5	0 a.m.	... 3.4	13
39.2	39.0	39.3	39.2	38.1	38.1	38.2	38.3	40.0	41.7	9-11 a.m.	... 39.1	9-10 p.m.	... 3.6	14
42.8	42.8	42.8	42.8	43.0	43.9	43.6	43.8	41.7	43.9	10 p.m.	... 38.2	1 a.m.	... 5.7	15
43.5	44.0	44.6	44.5	44.0	44.4	44.8	44.5	43.8	44.9	10.50 p.m.	... 42.3	4.30 p.m.	... 2.6	16
44.0	44.0	44.0	44.2	44.3	42.5	41.9	40.6	44.1	45.3	6.30 a.m.	... 40.6	Midnight	... 4.7	17
38.2	38.2	38.0	37.9	37.0	36.1	37.0	37.7	39.1	40.7	10.50 a.m.	... 35.9	9.50 p.m.	... 4.8	18
40.0	39.2	39.1	38.6	38.0	38.0	38.1	38.0	39.0	40.4	2.30 p.m.	... 37.7	0 a.m.	... 2.7	19
44.1	43.7	41.6	41.4	41.1	41.5	41.7	40.7	41.5	45.3	2.15 p.m.	... 38.0	0 a.m.	... 7.3	20
40.5	42.0	43.0	42.9	42.9	41.0	40.8	40.3	41.7	43.4	3.50 a.m.	... 40.3	Midnight	... 3.1	21
37.1	36.1	36.2	35.8	35.0	35.2	35.4	35.6	38.7	41.0	3.5 a.m.	... 34.9	2.55 p.m.	... 6.1	22
38.6	38.7	38.7	38.8	38.8	38.9	39.0	39.2	37.9	39.2	Midnight	... 35.6	0-1 a.m.	... 3.6	23
38.8	39.0	38.9	38.9	38.9	38.9	39.0	39.1	39.4	40.4	9 a.m.	... 38.8	5 p.m.	... 1.6	24
37.3	37.2	37.3	37.7	38.1	38.1	38.1	38.1	38.1	40.2	11.15 p.m.	... 37.0	6.5 p.m.	... 3.2	25
40.7	39.6	39.3	39.4	39.8	39.9	40.0	40.1	39.3	42.3	4 p.m.	... 38.1	0-5 a.m.	... 4.2	26
38.1	38.0	38.0	38.0	38.0	37.9	37.2	37.2	38.1	40.2	1 a.m.	... 35.1	7.55 a.m.	... 5.1	27
36.9	36.7	36.2	36.0	35.8	35.1	34.9	34.5	36.7	38.0	11 a.m.	... 34.5	Midnight	... 3.5	28
31.9	32.2	32.2	32.3	32.2	32.4	33.7	34.3	33.1	34.5	0 a.m. & 2 a.m.	... 31.9	5 p.m.	... 2.6	29
39.7	39.7	39.8	39.9	40.0	40.5	40.4	40.3	38.1	40.5	10 p.m.	... 34.3	0 a.m.	... 6.2	30
38.8	38.9	38.9	38.8	39.0	39.0	39.0	39.1	39.4	40.3	0 a.m.	... 38.6	3 p.m.	... 1.7	31
39.3	30.1	38.0	38.9	38.8	38.6	38.6	38.6	39.0	41.3	.....	36.2	.....	5.1	Mean.

Absolute Maximum = 45.3 at 6.30 a.m. on 17th and at 2.15 p.m. on 20th;      Absolute Minimum = 27.8 at 11.50 p.m. on 10th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	39.3	39.7	40.3	40.6	41.2	41.5	41.5	41.6	41.9	41.9	41.9	41.8	41.7	41.7	41.8	41.9
2	41.5	41.5	42.0	42.0	42.0	42.0	42.0	42.1	42.8	43.0	43.2	43.4	43.2	43.2	43.0	43.0
3	43.2	43.3	43.3	43.4	43.8	43.7	43.8	43.9	43.7	43.5	43.0	43.0	42.9	42.8	42.7	42.7
4	37.1	38.2	39.2	40.0	40.6	40.7	40.9	41.0	41.7	41.7	41.8	41.8	41.7	41.6	41.0	40.6
5	39.7	39.8	39.8	39.9	39.9	39.9	39.8	39.7	39.2	39.8	39.8	39.9	39.9	39.9	40.2	40.2
6	42.2	42.3	42.2	42.2	42.2	42.2	42.2	42.2	42.4	42.4	42.4	42.4	42.3	42.0	41.7	41.9
7	42.7	42.7	42.5	42.5	43.0	43.0	43.0	43.0	42.9	42.8	42.8	42.9	42.8	41.7	41.8	41.2
8	36.3	36.0	35.3	35.3	35.9	36.0	36.0	36.4	35.3	36.0	35.1	35.7	35.0	34.0	34.3	34.5
9	31.5	31.9	31.9	31.8	29.4	31.1	31.8	32.0	32.2	32.1	33.6	33.9	34.1	34.7	34.0	34.7
10	39.0	38.0	37.1	37.8	36.7	36.0	36.5	36.7	37.0	37.1	37.2	37.3	35.3	35.5	35.4	35.0
11	39.0	39.0	39.1	39.1	39.0	38.7	38.5	38.3	38.2	38.5	39.0	38.1	37.4	36.9	35.7	35.9
12	30.9	31.0	29.9	30.3	30.5	31.6	31.5	31.0	31.6	29.2	29.3	28.8	27.6	28.2	28.0	28.2
13	28.0	28.5	29.1	27.5	27.9	28.3	27.8	28.2	27.5	27.8	28.6	29.0	28.3	30.0	30.0	29.0
14	37.0	38.2	38.3	38.8	39.1	39.2	39.2	39.3	40.3	40.2	40.3	41.0	35.5	32.3	32.0	31.8
15	31.0	31.5	32.9	33.0	31.0	32.0	31.0	31.7	32.2	32.7	33.3	33.2	32.9	32.0	31.7	32.1
16	35.6	35.3	35.1	35.9	38.0	40.0	41.7	42.0	42.3	42.0	42.3	41.5	39.5	39.3	39.3	38.9
17	37.2	36.9	36.0	34.5	31.3	32.9	33.7	34.3	34.6	34.0	32.8	32.0	31.8	30.9	29.4	29.1
18	28.6	28.2	27.8	27.9	28.0	28.0	27.9	28.0	28.0	28.0	28.0	27.8	27.3	26.3	24.8	25.9
19	29.2	29.1	29.1	29.0	28.8	28.9	29.0	29.2	30.7	30.6	31.2	31.0	31.0	31.5	32.3	32.1
20	35.0	35.0	34.6	34.3	34.0	33.8	33.3	33.0	32.2	31.4	31.3	31.2	31.2	30.9	32.0	31.7
21	33.9	34.0	34.2	34.3	34.6	34.9	35.2	35.4	36.0	35.9	35.0	34.7	35.3	35.2	35.1	35.1
22	38.1	38.4	38.9	39.2	39.2	39.1	38.6	38.3	39.0	39.2	39.9	39.9	40.0	40.0	39.8	
23	40.7	40.8	41.6	41.7	41.5	41.4	41.0	41.3	41.5	41.7	42.3	42.5	42.5	41.9	42.0	42.0
24	41.8	41.7	42.3	42.3	42.5	42.3	42.3	42.3	42.5	42.4	42.4	42.3	42.4	42.1	41.8	
25	39.0	38.7	38.3	38.7	39.5	41.3	41.5	41.6	42.0	41.5	41.6	40.8	40.2	40.2	39.1	30.0
26	40.6	40.6	40.5	40.4	40.3	40.3	40.2	40.1	40.0	39.3	39.3	39.7	39.7	39.4	39.0	38.7
27	35.2	35.4	35.6	36.0	36.7	37.0	37.0	37.0	37.4	38.2	37.1	37.3	37.4	38.4	39.0	39.1
28	39.5	39.6	40.3	40.6	39.9	39.4	38.8	38.2	37.6	37.6	38.2	39.0	39.6	39.8	40.5	40.5
29	39.6	39.5	39.4	39.3	39.2	39.6	39.7	40.0	40.8	40.9	41.3	41.6	41.3	40.5	40.9	41.3
30	39.9	39.7	39.9	39.9	40.0	40.1	40.1	40.2	40.4	40.5	40.5	40.5	40.5	40.2	40.1	
Mean.	37.1	37.1	37.2	37.3	37.2	37.5	37.5	37.6	37.8	37.7	37.8	37.8	37.3	37.1	37.0	37.0

Greatest range, 13.3 on 14th.

Least range, 1.4 on 6th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

JUNE, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
41.9	41.9	41.5	41.7	41.6	41.5	41.5	41.5	41.4	41.9	9-11 a.m., 4-6 p.m.	39.1	0 a.m. ...	2.8 1
43.0	43.4	43.3	43.4	43.3	43.3	43.3	43.2	42.7	43.5	7.50 p.m. ...	41.5	0-2 a.m. ...	2.0 2
42.7	42.6	42.4	42.2	42.0	41.9	40.3	39.2	42.8	43.9	8 a.m. ...	39.2	Midnight ...	4.5 3
40.6	40.4	40.3	40.2	40.0	39.9	39.8	39.7	40.4	41.9	11.45 a.m. ...	37.1	1 a.m. ...	4.8 4
40.9	41.3	41.4	41.2	42.0	42.2	42.2	42.2	40.4	42.2	10 p.m.—midn't.	39.0	9.20 a.m. ...	3.2 5
41.8	41.9	42.0	42.1	42.4	42.9	42.9	42.8	42.2	42.9	10-11 p.m. ...	41.5	2.50 p.m. ...	1.4 6
41.0	40.8	39.5	38.9	37.8	37.1	37.6	37.0	41.4	43.0	5-8 a.m. ...	36.0	9.30 p.m. ...	7.0 7
34.0	34.0	33.5	33.8	32.9	33.1	31.2	32.2	34.8	37.0	0 a.m. ...	31.2	11 p.m. ...	5.8 8
35.1	35.0	35.5	36.7	37.0	37.5	37.7	38.5	34.2	38.5	Midnight ...	29.4	5 a.m. ...	9.1 9
35.1	35.8	36.6	36.9	38.2	38.3	38.7	38.7	36.9	39.0	1 a.m. ...	34.9	3.30 p.m. ...	4.1 10
35.5	35.0	34.3	34.7	32.4	31.1	31.2	31.8	36.7	39.2	4.15 a.m. ...	31.1	10 p.m. ...	8.1 11
28.1	25.2	25.4	26.8	28.0	28.2	27.5	28.9	29.0	31.8	0 a.m. ...	24.9	7.30 p.m. ...	6.9 12
29.9	30.0	30.1	30.9	32.3	32.7	34.2	35.0	29.7	35.0	Midnight ...	27.0	9.30 a.m. ...	8.0 13
31.4	31.0	30.4	29.4	29.0	29.1	29.2	30.2	35.2	40.3	9 & 11 a.m. ...	27.0	8.30 p.m. ...	13.3 14
32.1	32.2	32.0	33.0	33.0	34.1	35.3	35.2	32.4	35.3	11 p.m. ...	29.1	3.15 p.m. ...	6.2 15
38.4	38.3	38.1	37.5	37.4	37.0	37.0	36.9	38.7	42.4	11.30 a.m. ...	35.1	3 a.m. ...	7.3 16
28.2	27.6	26.0	27.1	27.0	27.2	27.7	27.0	31.4	37.2	1 a.m. ...	24.6	8.50 p.m. ...	12.6 17
26.4	26.9	27.4	27.6	27.8	28.3	28.8	29.0	27.6	29.0	Midnight ...	24.3	2.30 p.m. ...	4.7 18
32.9	33.5	33.7	34.0	34.8	35.0	35.3	35.2	31.4	35.3	11 p.m. ...	28.8	5 a.m. ...	6.5 19
31.8	31.9	32.7	33.3	33.9	33.6	33.5	34.0	32.9	35.2	0 a.m. ...	30.9	2 p.m. ...	4.3 20
35.0	35.0	35.3	35.8	38.0	38.0	37.9	38.0	35.4	38.0	9, 10 p.m. and midnight.	33.9	1 a.m. ...	4.1 21
30.9	30.9	40.0	40.2	40.3	40.2	40.3	40.5	39.5	40.5	Midnight ...	38.0	0 a.m. ...	12.5 22
42.4	42.6	42.0	41.9	42.0	41.8	42.4	42.4	41.8	42.6	6 p.m. ...	40.5	0 a.m. ...	2.1 23
41.3	41.3	40.5	40.5	40.6	41.2	40.1	39.2	41.8	42.7	2.10 p.m. ...	39.2	Midnight ...	3.5 24
38.9	38.7	38.2	37.9	38.6	38.7	40.1	40.7	39.7	42.0	9 a.m. ...	37.9	8 p.m. ...	4.1 25
38.0	37.7	37.4	37.4	37.4	37.3	37.1	35.9	39.1	40.7	0 a.m. ...	35.9	Midnight ...	4.8 26
39.2	39.4	39.5	39.5	39.3	39.2	39.1	39.3	37.8	39.5	7-8 p.m. ...	35.2	1 a.m. ...	4.3 27
40.7	40.8	41.2	41.5	41.6	40.7	40.3	39.9	39.8	41.8	9.30 p.m. ...	37.5	9.30 a.m. ...	4.3 28
41.9	40.3	40.2	40.3	40.3	40.1	40.1	40.0	40.3	41.9	5 p.m. ...	39.2	5 a.m. ...	2.7 29
39.5	39.2	39.2	38.8	37.6	37.4	37.3	38.0	39.6	40.5	10 a.m.-1 p.m. ...	37.3	11 p.m. ...	3.2 30
36.9	36.7	36.6	36.8	37.0	37.0	37.0	37.1	37.2	39.5	.....	34.2	.....	5.3 Mean.

Absolute Maximum = 43.9 at 8 a.m. on 3rd. Absolute Minimum = 24.3 at 2.30 p.m. on 18th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	35.3	36.4	37.4	38.0	38.5	39.0	39.4	39.9	40.5	39.9	40.6	40.8	40.8	40.8	40.7	40.7
2	40.8	40.8	41.2	41.5	41.8	41.7	41.7	41.4	41.0	41.6	41.4	41.4	41.4	42.1	42.3	42.3
3	40.0	40.1	39.9	39.5	40.0	39.9	38.2	36.7	35.8	36.6	36.2	35.7	36.1	36.5	37.0	36.7
4	42.6	43.0	42.8	42.8	42.8	42.9	42.8	42.8	43.0	43.1	43.1	42.7	42.6	42.6	43.2	43.3
5	43.6	43.1	43.0	42.8	42.9	42.9	42.9	42.9	43.0	43.1	43.4	43.5	43.6	43.6	43.6	43.2
6	38.6	38.7	38.6	38.7	38.7	38.0	37.7	37.7	37.6	37.7	36.9	37.0	37.8	37.8	37.7	36.8
7	36.7	36.0	35.2	33.8	33.5	32.5	32.4	33.5	34.8	34.9	35.2	34.9	34.9	34.9	34.9	34.7
8	35.3	35.2	32.5	32.7	33.1	33.6	34.6	34.6	34.9	34.8	34.7	34.6	34.5	34.2	33.8	33.7
9	34.7	34.7	34.5	34.7	34.8	35.0	35.0	35.2	35.8	35.9	35.9	35.4	34.1	33.9	34.3	35.4
10	39.8	40.1	40.3	40.9	40.9	41.0	41.0	41.0	41.7	41.7	41.8	41.9	41.6	41.2	40.5	40.1
11	33.7	34.6	32.5	32.7	34.7	32.7	33.8	33.3	34.8	35.0	35.9	36.8	37.5	36.4	37.9	40.1
12	40.5	40.7	41.0	40.9	40.9	40.0	39.0	38.0	38.9	39.0	38.5	38.2	38.1	37.0	36.0	
13	34.1	34.2	32.6	35.0	34.9	34.1	33.9	34.0	33.7	33.6	34.5	34.4	34.3	34.0	34.0	33.8
14	37.4	38.6	37.9	37.5	35.7	34.6	34.4	35.3	34.3	35.3	35.8	36.3	37.5	37.9	38.0	39.4
15	38.8	38.2	33.8	37.2	37.6	37.9	38.1	38.3	39.0	39.3	36.8	35.2	36.1	38.0	38.0	38.0
16	39.3	38.3	38.4	38.5	38.6	38.8	38.9	38.2	40.3	40.4	40.6	41.0	41.1	41.1	41.1	
17	40.5	40.4	40.2	40.1	40.1	40.1	40.4	40.6	40.8	41.0	40.9	40.9	41.2	41.3	41.4	41.3
18	36.9	36.6	35.8	35.5	35.5	35.1	35.6	35.8	36.2	36.2	36.8	37.0	36.9	37.1	38.2	38.1
19	38.9	40.4	40.8	40.8	40.7	40.8	40.8	40.7	39.8	40.0	40.8	41.0	40.9	40.7	40.8	40.6
20	40.1	40.0	40.3	40.6	40.6	40.3	39.4	39.6	40.0	40.7	40.9	41.0	41.5	41.8	42.8	43.2
21	40.9	40.9	40.9	40.8	40.0	39.2	38.5	37.1	36.5	36.5	36.5	35.8	34.8	33.5	33.1	32.5
22	33.0	33.2	33.9	35.4	35.2	36.5	36.9	37.9	38.7	39.1	39.3	40.0	40.5	40.2	40.3	40.3
23	35.7	35.3	34.7	34.9	36.3	36.9	37.1	37.2	38.1	39.0	39.4	39.8	40.3	40.5	40.9	41.0
24	41.1	41.0	41.3	41.6	41.9	42.1	42.3	42.3	38.0	36.0	36.3	36.9	37.0	36.8	36.1	35.0
25	37.8	38.8	39.1	39.4	40.4	40.6	40.7	40.6	40.3	40.1	39.9	39.3	39.0	39.0	38.3	38.3
26	41.7	41.8	41.9	42.1	42.3	42.6	42.7	42.6	42.6	42.5	40.9	41.4	41.3	41.0	40.8	40.4
27	39.8	39.9	40.0	39.8	39.8	39.7	39.7	40.0	40.6	40.9	40.9	41.0	41.2	42.2	43.1	43.3
28	44.3	44.5	40.6	40.7	40.6	41.0	40.7	40.6	38.0	39.2	39.8	39.9	38.4	39.0	39.0	38.2
29	36.0	36.1	36.0	36.6	37.0	37.6	37.7	38.0	38.0	36.8	36.1	37.8	38.2	38.1	37.7	36.2
30	35.4	32.7	32.5	32.3	31.4	30.6	30.0	30.1	30.3	31.3	31.9	32.0	33.0	34.0	34.8	37.0
31	30.0	29.4	28.9	28.2	26.9	26.9	27.1	25.8	28.7	29.0	28.5	28.1	27.5	27.3	25.7	25.2
Mean.	38.1	38.2	37.7	37.9	38.0	37.9	37.9	37.8	37.9	38.1	38.1	38.1	38.2	38.2	38.3	38.3

Greatest range, 10.7 on 11th. Least range, 1.7 on 4th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

JULY, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night	Hourly mean.	Maximum.	Minimum.	Range.	Date.	
40.8	41.4	41.0	41.0	41.0	40.9	41.0	41.2	40.2	41.9	6.30 p.m. ....	35.3	1 a.m. ...	6.6 1
42.2	41.5	40.8	40.6	41.0	41.1	40.4	40.2	41.4	42.3	3-4 p.m. ....	40.2	Midnight ...	2.1 2
37.5	38.5	39.7	39.8	40.8	41.6	41.5	42.0	38.6	42.0	Midnight ...	35.7	Noon ...	6.3 3
43.6	43.7	43.7	43.7	43.5	43.5	43.5	43.6	43.1	43.7	6-9 p.m. ....	42.0	0 a.m. ...	1.7 4
42.8	42.2	39.4	38.9	37.8	37.8	38.4	38.8	42.1	43.6	1 a.m., 1-3 p.m. ....	37.1	9.30 p.m. ...	6.5 5
38.5	37.2	37.8	36.1	37.1	37.7	36.7	37.0	37.7	38.8	0 a.m. ...	35.6	5.30 p.m. ...	3.2 6
34.5	34.2	34.7	34.8	35.3	35.3	35.4	35.3	34.7	37.4	0 a.m. ...	32.4	7 a.m. ...	5.0 7
33.8	34.1	34.5	33.7	34.2	34.1	34.1	34.2	34.2	35.3	0-1 a.m. ....	31.8	5.50 a.m. ...	3.5 8
35.8	36.0	37.0	37.9	38.8	38.9	39.9	39.8	35.9	39.9	11 p.m. ....	33.9	2 p.m. ...	6.0 9
38.0	36.6	37.2	37.4	38.0	37.4	33.9	34.9	39.6	41.9	Noon ...	33.9	11 p.m. ...	8.0 10
40.3	40.3	39.8	39.9	40.3	40.6	40.9	40.6	36.8	40.9	11 p.m. ....	30.2	3.15 p.m. ...	10.7 11
36.3	36.4	36.4	36.4	36.6	36.5	36.5	34.3	38.2	41.2	3.30 a.m. ...	34.3	Midnight ...	6.9 12
34.5	35.1	35.5	36.0	36.7	36.7	37.0	36.8	34.7	37.0	11 p.m. ....	31.9	2.40 a.m. ...	5.1 13
39.7	40.6	41.0	41.1	41.1	41.1	40.6	40.6	37.9	41.1	8-10 p.m. ....	33.2	6.40 a.m. ...	7.9 14
38.9	39.0	38.5	35.2	38.3	38.0	37.9	37.9	37.8	40.8	0.15 a.m. ....	33.8	3 a.m. ...	7.0 15
41.0	41.0	41.0	40.9	40.9	40.7	40.6	40.5	40.0	41.1	1 to 4 p.m. ....	37.9	0 a.m. ...	3.2 16
41.8	42.0	42.1	42.3	41.9	39.5	39.1	37.1	40.8	42.3	7.45 p.m. ....	37.1	Midnight ...	5.2 17
38.2	38.4	38.3	38.3	38.3	38.3	38.4	38.5	37.1	38.5	Midnight ...	35.1	6 a.m. ...	3.4 18
40.3	40.2	40.4	40.5	40.1	40.0	40.0	40.1	40.4	41.0	Noon & 3.15 p.m. ....	38.5	0 a.m. ...	2.5 19
43.5	43.6	43.7	43.7	42.0	41.8	41.3	41.2	41.4	43.7	7-8 p.m. ....	39.4	7 a.m. ...	4.3 20
32.3	32.0	31.9	32.2	31.8	32.0	32.3	32.7	35.8	41.2	0 a.m. ...	31.8	9 p.m. ...	9.4 21
39.0	38.8	37.7	37.2	37.2	36.3	35.7	35.7	37.5	40.5	1 p.m. ...	32.7	0 a.m. ...	7.8 22
41.0	41.1	41.2	40.7	40.9	40.9	41.0	40.9	38.9	41.2	7 p.m. ...	34.7	3 a.m. ...	6.5 23
34.1	35.4	35.7	36.2	36.4	36.3	36.7	37.0	38.1	42.3	7-8 a.m. ....	33.9	4.50 a.m. ...	8.4 24
38.6	39.3	40.0	40.4	40.7	40.7	41.2	41.3	39.7	41.3	Midnight ...	37.0	0 a.m. ...	4.3 25
40.3	40.3	40.3	40.3	40.0	40.1	40.0	39.9	41.3	42.7	7 a.m. ...	30.9	Midnight ...	2.8 26
43.4	43.3	43.6	43.7	43.7	44.0	44.1	44.3	41.6	44.3	Midnight ...	39.7	6-7 a.m. ...	4.6 27
36.8	37.0	36.7	36.5	36.1	36.2	36.2	36.2	39.2	44.5	2 a.m. ...	36.1	9 p.m. ...	8.4 23
38.2	38.4	36.3	37.1	37.0	35.7	36.6	36.2	37.1	38.4	6 p.m. ...	35.7	10 p.m. ...	2.7 29
35.9	34.0	33.2	32.5	30.8	30.8	30.2	30.1	32.6	37.9	4 p.m. ...	29.0	10-10 p.m. ...	8.9 30
25.5	25.7	26.4	27.1	27.1	28.0	29.3	29.8	27.6	30.1	0 a.m. ...	24.9	5.30 a.m. ...	5.2 31
38.3	38.3	38.2	38.1	38.2	38.2	38.1	38.0	38.1	40.6	.....	36.5	.....	4.1 Mean.

Absolute Maximum = 44.5 at 2 a.m. on 28th. Absolute Minimum = 24.9 at 5.30 a.m. on 31st.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	31.1	31.9	34.4	34.8	34.8	34.2	34.0	33.3	34.0	34.3	33.6	33.3	33.3	33.6	33.7	33.5
2	32.2	31.8	32.0	32.4	32.9	33.1	33.5	34.1	34.0	33.7	34.1	34.7	35.0	35.7	35.4	35.3
3	35.1	35.2	35.2	35.0	35.0	34.8	35.1	35.3	36.0	36.1	36.3	36.3	36.3	36.0	35.3	35.0
4	31.9	32.3	32.4	32.5	32.6	32.7	33.0	33.3	33.6	33.9	35.1	35.7	36.2	36.3	36.6	36.9
5	40.3	40.4	40.8	40.9	41.2	41.6	41.8	42.0	42.3	43.4	43.4	43.1	42.6	42.1	41.9	41.8
6	39.2	39.1	38.9	37.0	36.3	37.0	37.9	38.7	38.9	39.1	39.4	39.3	39.2	38.8	37.0	36.3
7	33.8	33.5	33.1	32.8	32.2	31.7	31.3	30.8	30.0	30.8	30.7	30.9	30.9	30.9	30.3	31.0
8	29.3	29.1	28.8	28.5	28.3	28.7	29.2	29.9	30.8	30.9	32.2	32.7	32.8	32.4	32.0	32.0
9	35.2	35.7	35.8	36.2	36.6	36.6	36.7	36.8	37.8	38.2	39.2	40.3	40.0	40.5	39.9	39.4
10	40.5	40.9	41.2	41.8	42.2	43.0	42.6	42.7	42.7	42.8	42.8	42.8	42.7	42.9	41.9	42.1
11	40.2	39.0	38.6	39.0	39.7	40.3	40.8	40.5	40.9	41.1	41.7	42.0	42.1	42.0	41.9	41.8
12	41.3	41.3	41.2	41.2	41.6	41.9	42.0	43.1	44.0	43.1	43.1	43.4	43.6	43.7	44.0	44.1
13	37.7	37.0	37.1	36.3	35.6	35.3	35.7	35.7	36.0	36.8	36.9	37.0	37.9	38.4	38.4	38.4
14	39.2	39.4	39.5	39.5	39.6	39.5	39.3	39.5	39.8	39.9	40.0	40.0	41.0	39.0	38.7	38.3
15	36.1	35.3	35.7	36.4	36.6	37.2	37.7	37.8	38.0	38.0	37.3	37.9	38.0	37.9	38.0	38.8
16	42.3	42.0	42.4	42.4	42.4	42.3	42.3	42.3	42.3	42.9	42.0	42.0	42.0	41.2	41.1	40.4
17	40.7	40.0	39.7	39.3	39.2	39.2	39.2	39.1	38.9	39.2	39.2	42.5	41.1	41.0	39.0	38.8
18	37.3	37.2	37.0	36.6	36.7	38.5	39.2	39.4	40.6	40.5	41.0	41.1	41.1	41.2	41.5	41.6
19	42.1	41.8	41.9	42.0	42.3	42.2	42.0	42.0	42.0	42.0	42.2	42.3	42.3	42.2	42.3	42.2
20	42.9	42.5	41.0	40.1	39.3	38.1	38.0	37.4	37.0	36.8	36.7	36.0	35.3	35.2	34.0	33.0
21	36.8	37.1	37.7	37.9	38.0	38.1	39.5	40.2	41.0	41.0	41.2	41.5	41.7	41.7	41.9	41.9
22	35.0	34.4	35.2	35.6	35.9	36.0	37.2	38.4	39.8	40.5	40.8	40.7	40.9	35.8	36.8	36.0
23	37.4	37.4	37.5	37.5	40.5	40.9	41.0	39.7	39.2	37.0	36.0	33.5	33.6	33.3	32.9	32.9
24	39.4	38.9	38.5	37.3	37.2	37.9	38.0	37.7	37.0	35.9	36.0	36.5	37.5	38.0	38.0	38.0
25	36.2	36.3	36.7	36.9	37.5	38.1	38.5	39.0	39.7	40.9	41.1	42.1	42.0	42.2	41.9	40.3
26	38.6	38.1	38.7	39.9	40.1	40.2	40.6	40.6	40.7	40.9	41.2	41.8	42.1	42.1	42.0	42.1
27	41.8	41.8	41.9	42.0	42.0	42.1	42.3	42.1	42.0	42.0	41.9	41.9	41.8	41.8	41.8	41.7
28	39.6	39.6	39.4	39.3	39.2	39.1	39.0	39.0	38.9	39.0	38.9	38.9	39.0	38.9	39.0	39.0
29	40.4	40.3	40.3	40.6	38.5	38.1	38.3	38.5	39.0	39.1	39.1	39.0	39.2	38.3	38.0	37.9
30	35.5	35.2	34.9	34.9	34.2	33.5	33.9	34.0	34.7	33.0	31.2	31.2	31.0	31.0	31.0	30.9
31	27.9	29.0	29.8	29.1	29.9	30.0	29.3	29.5	29.0	29.9	30.1	31.0	31.0	30.4	30.8	30.5
Mean.	37.3	37.2	37.3	37.3	37.4	37.5	37.7	37.8	38.1	38.2	38.2	38.4	38.5	38.2	38.0	37.9

Greatest range, 14.9 on 7th.

Least range, 1.2 on 19th.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

DEGREES FAHRENHEIT.

AUGUST, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
33.2	33.1	33.0	32.7	32.8	32.7	32.7	32.5	33.3	35.2	35.0 a.m. ...	29.8	0 a.m. ... 5.4 1
35.3	35.2	35.1	35.0	35.0	35.1	35.2	35.3	34.2	35.8	1.30 p.m. ...	31.8	2 a.m. ... 4.0 2
34.9	34.1	33.6	33.3	32.7	32.4	32.2	32.0	34.8	36.3	11 a.m.—1 p.m. ...	32.0	Midnight ... 4.3 3
37.3	38.5	38.7	39.5	39.6	39.7	39.9	40.3	35.6	40.3	Midnight ...	31.9	1 a.m. ... 8.4 4
41.5	40.8	40.7	40.2	40.0	39.8	39.1	39.0	41.3	43.5	10.30 a.m. ...	39.0	Midnight ... 4.5 5
35.0	35.5	35.6	35.5	35.2	34.8	34.7	34.5	37.3	39.4	11 a.m. ...	34.5	Midnight ... 4.9 6
30.9	30.3	30.3	30.1	29.9	29.7	29.7	29.6	31.2	34.5	0 a.m. ...	29.6	Midnight ... 14.9 7
32.8	32.9	32.9	33.0	33.0	33.8	35.2	35.0	31.4	35.2	11 p.m. ...	28.3	5 a.m. ... 6.9 8
38.8	38.0	37.5	38.7	39.7	39.8	40.1	38.1	40.6	2.30 p.m. ...	35.0	0 a.m. ... 5.6 9	
42.9	43.1	42.1	42.1	41.9	42.0	42.0	41.3	42.2	43.1	6 p.m. ...	40.1	0 a.m. ... 3.0 10
41.7	41.8	41.6	41.9	41.9	41.8	41.5	41.4	41.0	42.1	1 p.m. ...	38.6	3 a.m. ... 3.5 11
44.3	43.0	42.9	42.8	42.0	41.7	38.6	37.9	42.4	44.3	5 p.m. ...	41.1	3.45 a.m. ... 3.2 12
38.4	38.4	38.5	38.7	39.0	39.0	39.0	39.1	37.5	39.1	Midnight ...	34.9	6.15 a.m. ... 4.2 13
37.9	37.8	37.5	36.8	36.6	36.6	35.9	36.0	38.7	41.3	12.45 p.m. ...	35.9	11 p.m. ... 5.4 14
39.9	40.7	41.1	41.5	42.1	42.3	42.3	42.3	38.6	42.3	10 p.m.—midn't.	35.3	2 a.m. ... 7.0 15
40.3	40.4	40.4	40.4	40.9	40.7	41.2	41.0	41.6	42.9	10 a.m. ...	40.3	5 p.m. ... 2.6 16
38.0	38.0	38.0	36.8	36.0	36.0	37.0	37.1	39.0	42.5	Noon ...	35.6	9.30 p.m. ... 6.9 17
41.6	41.7	41.8	41.8	42.0	42.1	42.1	42.1	40.1	42.1	10 p.m.—midn't.	36.5	3.30 a.m. ... 5.6 18
42.2	42.2	42.3	42.7	43.0	43.0	42.5	42.6	42.2	43.0	9.10 p.m. ...	41.8	2 a.m. ... 1.2 19
33.4	33.1	33.7	34.1	34.9	34.9	35.3	35.9	36.8	42.9	1 a.m. ...	33.1	6 p.m. ... 9.8 20
41.9	42.0	38.1	37.0	37.8	37.5	35.5	36.3	39.3	42.0	6 p.m. ...	35.5	11 p.m. ... 6.5 21
34.2	35.0	33.8	35.7	35.7	36.1	36.9	37.1	36.8	40.9	1 p.m. ...	32.4	6.15 p.m. ... 8.5 22
32.8	33.4	34.0	36.5	40.0	40.0	39.8	39.9	36.9	41.0	7 a.m. ...	32.3	5.10 p.m. ... 8.7 23
37.3	37.2	37.2	36.8	36.9	36.8	36.3	36.2	37.4	39.9	0 a.m. ...	34.8	10.15 a.m. ... 5.1 24
40.3	40.7	40.6	40.2	40.1	38.9	38.7	38.7	39.4	42.3	1.55 p.m. ...	36.2	0-1 a.m. ... 6.1 25
42.0	41.9	41.5	41.5	41.4	41.6	41.6	41.9	40.9	42.1	1, 2, & 4 p.m. ...	38.1	2 a.m. ... 4.0 26
41.7	41.7	41.6	41.5	41.4	41.2	40.8	40.0	41.7	42.5	7.5 a.m. ...	40.0	Midnight ... 2.5 27
40.2	41.0	40.4	40.3	40.3	40.2	40.7	40.9	39.6	41.0	6 p.m. ...	38.5	10.30 a.m. ... 2.5 28
37.8	37.5	36.8	34.0	34.0	34.1	34.7	35.0	38.0	40.9	0 a.m. ...	34.0	8.9 p.m. ... 6.9 29
31.0	30.0	31.2	31.0	30.9	31.2	31.5	30.2	32.5	35.9	1.30 a.m. ...	29.2	10.15 p.m. ... 6.7 30
31.0	30.9	31.6	32.4	33.2	33.4	33.9	33.8	30.7	33.9	11 p.m. ...	27.4	0.55 a.m. ... 6.5 31
37.8	37.7	37.6	37.6	37.7	37.7	37.6	37.6	37.8	40.3	.....	35.0	..... 5.3 Mean.

Absolute Maximum = 44.3 at 5 p.m. on 12th.

Absolute Minimum = 27.4 at 0 a.m. on 31st.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	34.3	35.1	35.3	35.2	35.5	35.7	35.9	35.5	35.4	34.0	34.8	35.0	35.8	35.2	35.7	35.4
2	38.4	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.8	40.2	40.3	40.3	40.3	40.5	40.8	40.9
3	40.7	40.6	40.3	40.3	40.2	40.2	40.2	40.1	40.8	40.7	40.7	40.7	40.0	40.1	39.0	38.9
4	39.3	39.0	38.8	39.0	39.0	38.6	39.0	39.4	39.9	39.5	39.7	40.5	39.8	39.3	39.0	39.0
5	28.6	28.0	27.9	28.0	28.0	26.6	28.5	29.7	29.4	29.6	29.5	29.6	30.5	30.6	30.3	30.5
6	34.1	33.5	34.1	35.0	35.2	35.9	36.0	36.2	37.7	37.9	38.1	39.2	37.5	37.2	37.0	36.8
7	36.9	36.9	36.9	37.0	37.7	38.5	39.1	39.9	41.0	41.6	42.7	43.1	43.4	43.1	43.1	42.4
8	40.6	40.2	39.6	38.3	38.3	37.4	38.5	38.9	39.8	40.9	41.3	41.9	41.7	41.6	41.8	41.1
9	40.8	40.9	41.0	41.1	40.9	40.6	40.7	40.8	40.9	41.1	40.0	40.9	41.0	41.0	41.0	42.3
10	40.5	40.5	40.5	41.0	40.8	40.9	41.0	41.0	41.0	40.6	40.8	40.7	40.6	40.2	40.0	40.1
11	39.5	39.0	38.9	39.0	39.6	39.6	39.6	39.5	39.4	39.4	39.5	39.6	39.6	39.6	39.6	39.6
12	38.1	38.5	38.5	38.9	38.8	38.7	38.9	40.0	41.0	42.0	43.0	42.5	41.1	40.6	40.4	40.1
13	35.3	34.0	33.8	33.9	34.1	34.2	34.2	34.5	35.2	35.8	36.1	36.4	36.7	36.0	35.9	35.7
14	37.5	37.7	38.0	38.5	38.8	39.7	39.9	40.3	41.0	40.8	40.7	40.7	40.7	40.8	41.1	41.1
15	41.2	41.3	41.4	41.5	41.6	41.6	42.1	41.9	42.3	42.0	42.3	42.2	42.4	42.7	42.6	42.6
16	40.2	40.1	40.0	39.5	39.5	39.8	39.8	39.8	39.8	39.8	39.9	39.9	40.3	40.3	39.6	39.5
17	39.9	39.7	39.7	39.9	39.6	39.1	39.3	41.0	41.7	42.1	44.3	43.9	44.8	43.9	43.7	44.0
18	36.5	36.3	36.1	35.6	35.4	34.2	33.9	33.9	35.1	35.2	35.6	37.0	38.3	38.1	37.0	36.6
19	37.1	37.1	36.3	36.7	35.1	35.0	34.0	35.4	37.3	37.5	38.2	36.0	36.0	37.1	35.9	35.9
20	35.7	35.6	35.4	35.5	35.6	36.0	36.2	36.5	37.0	37.9	38.5	38.7	38.9	39.2	39.5	39.7
21	41.1	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.2	42.2	42.3	41.8	41.9	41.9	41.0	40.8
22	41.0	41.7	41.9	42.0	41.1	41.2	41.7	41.4	42.0	42.1	42.0	42.5	42.0	42.0	41.8	41.8
23	39.4	39.9	40.6	40.4	40.8	41.2	41.1	41.2	41.3	41.3	42.2	42.3	42.3	43.0	42.7	42.3
24	41.2	40.1	39.9	40.0	40.8	41.3	41.6	41.8	42.0	41.9	41.9	42.0	42.3	42.2	42.4	42.7
25	42.1	42.3	42.6	42.8	43.4	43.4	43.5	43.3	44.0	44.1	44.1	44.1	44.3	43.2	42.9	43.1
26	42.0	41.8	40.9	41.0	41.3	41.7	41.8	41.9	42.0	42.1	42.1	42.1	42.0	41.9	41.1	41.0
27	41.8	41.3	41.2	41.1	41.0	40.8	40.6	40.9	41.3	41.5	41.2	41.2	41.8	41.5	40.8	40.9
28	39.2	39.5	39.6	39.5	39.2	39.2	39.7	39.9	39.9	39.6	39.3	39.2	39.4	40.1	41.3	42.1
29	40.8	40.6	40.5	39.2	37.8	38.8	39.8	39.7	39.6	38.8	40.0	40.1	39.2	38.0	37.0	37.6
30	35.6	35.9	32.7	34.0	35.6	35.7	35.4	36.4	37.1	37.8	38.2	39.0	39.1	39.1	39.1	39.1
Mean.	38.6	38.6	38.4	38.5	38.5	38.6	38.8	39.1	39.6	39.7	40.0	40.1	40.1	40.0	39.8	39.8

Greatest range, 13.7 on 4th.

Least range, 1.3 on 10th.

## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

SEPTEMBER, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Range.	Date.
35.5	35.7	35.5	36.3	36.9	37.3	37.8	38.3	35.6	38.3	Midnight	...	32.8 0.20 a.m. ... 5.5 1
40.9	40.9	41.0	40.9	41.0	41.3	41.3	41.2	40.0	41.5	10.15 p.m.	...	38.3 0 a.m. ... 3.2 2
38.0	37.9	37.7	37.4	37.5	37.7	37.9	38.7	39.5	41.2	0 a.m.	...	36.6 8.5 p.m. ... 4.6 3
38.0	34.9	32.7	30.4	29.0	27.7	27.8	28.7	36.8	41.3	12.15 p.m.	...	27.6 10.15 p.m. ... 13.7 4
30.4	31.2	32.0	33.3	31.3	33.1	34.0	34.1	30.1	34.1	Midnight	...	25.9 6.10 a.m. ... 8.2 5
37.2	36.0	34.1	34.5	36.5	36.6	36.8	36.9	36.2	39.9	12.10 p.m.	...	33.3 2.5 a.m. ... 6.6 6
42.4	42.4	42.3	42.4	42.3	41.9	41.0	40.3	40.7	43.4	1 p.m.	...	36.8 0.5 a.m. ... 6.6 7
41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	40.4	42.2	2.30 p.m.	...	37.4 6 a.m. ... 4.8 8
41.8	40.9	40.8	41.0	41.0	41.0	41.0	41.0	41.0	43.1	3.15 p.m.	...	40.6 6 a.m. ... 2.5 9
40.1	40.0	40.0	40.0	40.0	40.0	40.0	39.8	40.4	41.1	9.15 a.m.	...	39.8 Midnight ... 1.3 10
39.5	39.1	39.1	39.0	39.0	38.7	38.2	38.0	39.3	39.8	0 a.m.	...	38.0 Midnight ... 1.8 11
39.3	39.0	39.1	39.2	39.2	38.5	36.9	36.8	39.6	43.6	10.50 a.m.	...	36.8 Midnight ... 6.8 12
35.8	35.8	35.9	36.0	37.0	37.0	37.0	37.1	35.5	37.1	Midnight	...	33.5 2.10 a.m. ... 3.6 13
41.1	40.9	41.0	40.9	41.0	41.0	41.1	41.2	40.2	41.2	Midnight	...	37.1 0 a.m. ... 4.1 14
41.4	41.2	41.6	41.2	41.3	41.0	40.2	40.2	41.8	42.8	2.10 p.m.	...	40.2 11 p.m.—midn't. 2.6 15
38.9	38.4	38.7	38.8	39.0	39.0	39.2	39.5	39.6	40.2	1-2 p.m.	...	38.4 6 p.m. ... 1.8 16
41.0	40.7	40.1	39.3	38.0	38.0	38.3	38.2	40.9	44.8	1.p.m.	...	38.0 9-10 p.m. ... 6.8 17
36.4	36.2	36.2	36.1	36.1	36.2	35.9	37.0	36.1	38.6	1.45 p.m.	...	33.9 7.8 a.m. ... 4.7 18
36.0	36.0	36.2	35.9	36.9	35.9	35.8	35.8	36.3	38.9	11.30 a.m.	...	33.3 1.45 p.m. ... 5.6 19
39.8	40.0	40.1	40.0	40.3	40.4	40.7	40.8	38.1	40.8	Midnight	...	35.4 3 a.m. ... 5.4 20
40.1	39.8	39.9	40.4	40.3	40.5	40.7	40.9	41.3	42.3	11 a.m.	...	39.8 6 p.m. ... 2.5 21
41.5	41.2	41.1	41.2	41.0	41.0	40.8	40.2	41.6	42.7	11.55 a.m.	...	40.2 Midnight ... 2.5 22
42.3	42.9	43.1	43.1	43.1	42.7	42.2	41.8	41.8	43.4	9.5 p.m.	...	39.4 1 a.m. ... 4.0 23
42.6	42.0	41.5	41.4	42.3	42.0	42.0	42.0	41.7	42.7	4 p.m.	...	39.9 3 a.m. ... 2.8 24
44.0	42.2	42.0	42.4	42.3	42.3	42.4	42.4	43.0	44.3	1 p.m.	...	42.0 0 a.m. ... 2.3 25
41.0	40.7	40.6	41.1	42.0	42.7	42.4	42.3	41.6	42.7	10 p.m.	...	40.6 7 a.m. ... 2.1 26
40.8	40.0	39.9	39.6	38.1	38.1	38.2	38.6	40.6	42.3	0 a.m.	...	37.9 9-10 p.m. ... 4.4 27
43.1	42.7	42.0	41.9	41.9	41.2	41.0	40.6	40.4	43.4	5.10 p.m.	...	38.6 0 a.m. ... 4.8 28
37.5	36.1	33.3	34.5	35.0	33.4	33.8	34.5	37.9	40.8	1 a.m.	...	33.3 7 p.m. ... 7.5 29
39.1	39.0	38.3	38.1	38.0	38.2	40.8	41.2	37.6	41.2	Midnight	...	32.7 3 a.m. ... 8.5 30
39.6	39.2	38.9	38.9	38.9	38.8	38.9	39.0	39.2	41.3	.....	36.6 .....	4.7 Mean.

Absolute Maximum = 44.8 at 1 p.m. on 17th.      Absolute Minimum = 25.9 at 6.10 a.m. on 5th.

Table II.—AIR TEMPERATURE

STATED IN

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	41.2	42.5	42.2	42.1	41.8	42.0	41.9	41.8	41.8	41.9	42.0	41.8	41.8	41.7	41.3	41.3
2	40.2	40.2	40.2	40.2	40.8	41.1	41.3	41.5	42.6	42.6	42.7	43.0	43.6	43.3	43.0	42.9
3	39.9	39.8	39.8	39.6	38.9	37.3	35.6	36.3	37.2	37.2	37.0	36.8	36.4	36.1	35.7	
4	32.0	32.0	32.1	32.2	32.3	31.5	30.9	30.3	31.2	31.3	31.6	32.2	33.1	33.3	33.1	33.2
5	...	...	...	...	...	...	...	...	31.1	31.0	30.5	31.7	32.8	33.4	33.0	32.6
6	39.3	39.6	39.7	39.7	40.1	39.8	40.1	40.7	41.0	41.3	41.4	41.7	41.7	41.5	42.0	41.7
7	41.4	41.5	41.6	41.9	41.9	41.8	41.8	42.0	42.0	42.0	42.8	42.2	42.1	42.2	42.0	41.9
8	41.3	41.3	40.0	36.9	35.6	34.8	36.4	37.3	37.6	37.1	38.2	38.1	40.1	40.5	39.9	38.0
9	35.4	34.7	34.8	34.9	35.2	35.6	36.1	37.0	38.0	38.0	38.0	38.0	37.4	37.5	37.4	37.0
10	40.9	41.7	42.1	42.1	42.2	42.4	42.5	42.6	42.7	41.1	40.5	41.0	40.6	40.4	39.7	38.7
11	34.3	34.3	34.6	34.8	35.1	35.2	35.3	35.3	35.1	33.7	34.1	34.1	33.9	35.0	35.7	35.0
12	40.9	40.9	41.0	41.0	40.7	40.7	41.0	41.0	42.0	42.4	41.0	40.5	40.4	41.1	41.2	40.9
13	36.0	35.8	35.3	35.1	35.0	34.9	35.5	36.0	37.2	37.3	38.1	37.6	38.0	37.0	37.0	37.0
14	37.3	37.5	37.5	37.4	37.1	38.0	38.2	37.0	37.0	37.7	37.6	38.9	40.0	42.1	43.0	42.2
15	41.2	41.5	41.3	41.5	41.7	41.8	42.0	42.0	42.6	43.6	43.0	43.6	43.1	43.2	43.1	43.2
16	40.3	40.4	40.4	40.0	40.2	40.3	39.8	38.9	41.1	39.0	41.7	40.5	39.9	39.7	40.9	39.2
17	35.0	35.7	36.7	37.0	34.0	35.4	37.0	37.5	38.1	39.1	40.2	39.3	39.9	39.8	35.0	34.5
18	32.7	32.2	32.2	33.0	32.1	32.1	31.8	30.3	30.3	30.2	31.0	30.7	30.8	31.1	31.3	30.7
19	29.9	29.9	30.0	30.3	30.7	30.4	30.3	30.2	30.3	30.1	31.7	28.2	31.9	30.8	30.7	30.5
20	34.5	35.3	35.3	36.6	37.6	37.6	38.0	38.3	39.0	40.0	40.2	40.1	39.5	39.3	39.6	34.3
21	30.7	34.0	34.1	33.0	33.3	32.1	32.0	31.5	35.1	35.2	33.3	36.0	37.0	36.9	36.4	37.2
22	37.8	38.1	38.2	38.5	38.9	38.9	37.5	36.3	36.2	36.6	36.0	36.6	40.8	39.0	38.8	38.2
23	39.4	39.8	40.0	40.0	40.0	40.0	40.0	40.1	40.3	40.7	40.6	40.7	40.7	40.6	40.4	40.5
24	39.0	39.1	39.1	38.1	36.9	37.0	36.5	35.8	38.4	39.2	37.8	36.0	33.1	35.4	33.7	33.4
25	31.0	31.0	29.8	30.5	30.0	30.5	31.1	32.0	32.2	33.8	35.6	30.8	29.9	31.7	34.0	33.9
26	32.0	34.0	30.1	29.3	28.3	28.1	29.5	29.2	31.0	31.0	30.9	30.3	30.2	30.9	28.0	30.1
27	32.2	32.3	32.9	33.0	33.5	33.9	34.0	34.1	35.2	35.4	35.7	35.6	35.7	36.6	37.8	37.9
28	38.6	38.7	38.7	38.7	38.7	38.8	39.2	39.7	41.0	41.4	41.9	42.2	41.3	41.1	41.0	40.8
29	41.4	41.0	41.3	41.1	40.8	40.4	40.4	40.9	42.1	42.9	43.1	43.7	43.8	43.1	43.0	42.9
30	39.2	38.7	35.5	37.4	37.7	37.8	37.6	37.7	37.0	37.5	37.9	38.1	38.0	38.6	38.0	37.8
31	33.6	33.6	32.9	33.0	33.5	34.0	35.4	35.8	36.1	36.7	36.9	36.7	37.2	37.2	37.3	36.0
Mean.	37.2	37.4	37.1	37.1	37.0	39.0	37.2	37.2	37.9	38.1	38.3	38.0	38.2	38.4	38.2	37.7

Greatest range, 10.7 on 20th. Least range, 1.5 on 7th.

## -HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

OCTOBER, 1915.

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.		Minimum.		Range.	Date.
41.2	41.1	40.8	40.8	40.7	40.6	40.3	40.1	41.5	43.0	2.20 a.m.	... 40.1	Midnight	... 2.9	1
41.6	40.5	40.2	40.0	40.2	40.1	40.0	39.9	41.3	43.6	1 p.m.	... 39.9	Midnight	... 3.7	2
35.1	34.3	33.7	33.3	33.1	33.1	33.1	32.8	36.3	40.0	0 a.m.	... 32.8	Midnight	... 8.2	3
33.2	33.1	33.0	32.9	32.7	...	...	...	...	...	...	...	...	...	4
33.4	34.5	35.5	36.4	37.1	38.0	38.5	39.1	...	...	...	...	...	...	5
41.5	42.0	42.2	42.1	41.8	41.5	41.7	41.6	41.0	42.2	7 p.m.	... 39.1	0 a.m.	... 3.1	6
41.7	41.6	41.5	41.4	41.3	41.2	41.3	41.3	41.8	42.8	11 a.m.	... 41.2	10 p.m.	... 1.4	7
38.0	37.1	36.0	35.9	35.3	35.5	35.7	36.0	37.7	41.3	0-2 a.m.	... 34.5	5.20 a.m.	... 6.8	8
38.0	37.1	38.4	39.4	39.8	40.6	40.8	40.9	37.4	40.9	Midnight	... 34.2	1.40 a.m.	... 6.7	9
38.5	36.7	36.3	36.7	36.3	36.4	35.4	34.5	39.8	42.7	9 a.m.	... 34.3	11.5 p.m.	... 8.4	10
35.2	35.5	35.9	40.0	41.3	40.8	40.8	40.8	35.9	41.3	9 p.m.	... 33.7	10 a.m.	... 7.6	11
40.8	40.4	40.5	40.2	41.0	41.2	41.3	38.2	40.9	42.4	10 a.m.	... 38.2	Midnight	... 4.2	12
36.8	37.3	37.4	37.2	35.2	34.0	35.0	36.3	36.4	38.2	0 a.m.	... 33.8	9.5 p.m.	... 4.4	13
42.2	41.3	41.8	41.9	41.8	41.7	41.6	41.7	39.6	43.0	3 p.m.	... 36.3	0 a.m.	... 6.7	14
43.1	43.3	41.0	40.7	41.0	41.0	40.6	40.3	42.1	44.0	11.50 a.m.	... 40.3	Midnight	... 3.7	15
38.1	38.0	38.2	36.9	36.1	35.5	36.2	35.5	39.1	41.7	11 a.m.	... 35.0	11.30 p.m.	... 6.7	16
34.1	33.7	32.5	32.9	33.8	35.0	35.7	33.2	35.7	41.2	2.10 p.m.	... 32.0	7.30 p.m.	... 9.2	17
30.4	30.0	28.9	30.0	29.0	27.0	29.8	28.6	31.2	33.2	0 a.m.	... 26.3	9.50 p.m.	... 6.9	18
31.1	31.3	31.4	31.3	31.9	32.0	32.5	33.4	30.8	33.4	Midnight	... 28.2	Noon	... 5.2	19
34.6	30.5	31.5	32.0	30.7	31.8	32.2	31.7	35.9	40.2	11 a.m.	... 29.5	8.15 p.m.	... 10.7	20
36.7	37.0	37.1	36.1	37.9	38.0	38.1	37.5	35.1	38.1	11 p.m.	... 30.0	0.50 a.m.	... 8.1	21
38.0	37.9	38.0	38.1	38.3	38.3	38.8	39.0	38.0	41.0	1.30 p.m.	... 36.0	11 a.m.	... 5.0	22
40.3	40.2	40.0	39.8	39.4	39.2	39.1	39.0	40.0	40.8	12.5 p.m.	... 39.0	0 a.m. & midn't	... 1.8	23
33.0	32.8	33.2	31.7	29.7	32.0	30.5	30.0	35.2	39.2	10 a.m.	... 29.4	11.50 p.m.	... 9.8	24
34.1	33.0	33.2	31.1	34.0	34.0	35.0	32.3	32.2	35.6	11 a.m.	... 27.0	4.30 a.m.	... 8.6	25
28.9	29.5	30.2	30.1	31.0	30.5	30.9	31.2	30.3	35.7	1.40 p.m.	... 25.7	2.50 p.m.	... 10.0	26
37.6	37.9	38.4	38.5	38.9	38.6	38.7	38.6	35.8	38.9	9 p.m.	... 31.0	0.15 a.m.	... 7.9	27
40.8	40.7	40.5	41.3	41.5	41.4	41.6	41.3	40.4	43.0	11.50 a.m.	... 38.6	0 to 1 a.m.	... 4.4	28
42.0	41.3	40.6	40.7	40.0	39.7	39.0	39.1	41.5	43.8	1 p.m.	... 39.0	11 p.m.	... 4.8	29
37.4	36.7	35.9	35.0	34.4	34.1	33.9	33.8	37.0	39.3	1.30 a.m.	... 33.9	Midnight	... 5.5	30
35.9	35.0	33.0	32.7	33.0	33.0	32.9	32.8	34.8	37.4	2.55 p.m.	... 32.7	8 p.m.	... 4.7	31
37.5	37.0	36.3	36.8	36.8	36.8	37.0	36.6	37.4	40.3	.....	37.6	.....	2.7	Mean.

Absolute Maximum = 44.0 at 11.50 a.m. on 15th.

Absolute Minimum = 25.7 at 2.50 p.m. on 26th.

Table II.—AIR TEMPERATURE

MACQUARIE ISLAND.

STATED IN

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.
1	32.8	32.5	32.2	31.6	31.4	32.2	32.8	33.8	34.0	35.1	34.8	34.9	35.1	36.0	37.0	36.8
2	39.1	39.2	39.3	39.4	39.2	39.3	39.6	39.5	40.0	40.2	40.7	41.4	41.5	42.1	42.0	40.8
3	41.2	41.4	41.3	41.2	41.4	41.1	40.9	40.7	40.7	41.4	42.3	41.7	41.9	41.0	40.6	40.0
4	39.2	37.5	37.2	37.2	37.7	38.0	39.8	40.4	40.0	42.0	42.9	42.5	42.9	43.1	43.2	42.0
5	38.1	38.6	39.9	40.6	40.8	40.8	41.0	41.2	41.3	41.3	41.5	40.5	40.4	40.3	40.3	40.0
6	37.0	37.0	36.9	37.0	37.4	37.7	38.4	38.8	39.9	39.9	41.0	41.1	41.1	40.3	39.3	38.7
7	35.5	35.8	35.6	35.7	35.3	36.0	37.0	35.7	38.4	39.2	37.8	39.9	37.5	37.7	35.1	35.8
8	35.1	35.2	33.2	33.3	34.8	36.0	37.3	38.1	39.7	40.4	40.5	40.6	40.6	41.0	40.6	38.0
9	35.5	36.8	36.8	36.5	33.8	35.8	35.9	36.0	38.0	37.0	37.0	37.9	37.8	37.9	37.9	37.7
10	34.4	34.3	34.5	34.7	34.9	35.4	36.0	37.3	37.9	38.8	41.3	40.5	40.0	39.0	38.9	39.1
11	36.9	36.6	37.3	37.5	38.0	39.0	40.0	40.7	41.2	41.2	42.3	43.0	43.0	43.4	45.0	42.7
12	39.4	38.9	38.7	38.3	38.0	38.3	38.5	38.6	40.6	41.8	42.5	43.3	41.5	42.0	42.9	42.0
13	40.0	40.2	40.5	40.4	40.6	40.7	41.6	41.8	42.0	42.7	42.9	43.0	43.9	42.7	41.8	41.3
14	39.3	38.9	38.8	38.8	38.9	39.5	40.0	39.8	40.0	41.3	41.5	41.9	41.7	40.9	40.7	40.5
15	38.7	38.2	38.0	37.6	38.0	39.3	39.7	40.8	43.0	42.0	45.1	41.3	41.9	41.0	40.7	40.2
16	34.1	34.0	34.3	33.8	32.7	33.8	35.5	36.2	37.7	39.0	39.8	40.3	38.5	40.3	39.0	37.2
17	38.9	39.0	39.0	39.1	39.7	40.0	40.4	41.0	42.0	41.8	42.0	41.5	41.0	41.0	42.8	42.9
18	39.1	39.4	39.9	39.8	39.8	39.8	39.7	39.4	39.3	38.7	37.9	38.0	38.3	38.8	40.2	40.5
19	37.3	37.7	37.0	36.1	37.8	38.9	39.6	41.0	41.0	41.1	43.0	43.0	43.1	43.2	44.1	42.9
20	40.9	41.3	41.2	41.0	41.1	41.6	42.1	42.2	42.3	42.9	43.3	43.2	42.5	41.3	41.4	41.2
21	41.7	41.8	42.0	42.5	42.6	43.1	43.0	43.2	43.5	42.1	41.9	42.0	42.2	41.9	42.0	40.8
22	39.0	39.6	40.0	40.4	40.9	41.9	42.4	43.0	43.8	46.0	45.5	44.2	44.9	46.5	45.3	45.0
23	42.1	42.0	41.6	42.5	43.3	42.1	43.6	43.5	42.2	42.1	42.1	42.1	42.0	43.2	41.7	41.6
24	36.6	34.2	35.8	36.0	35.1	36.2	35.7	36.2	37.0	38.8	38.9	38.2	40.1	40.8	39.7	38.4
25	36.8	36.6	36.2	35.3	36.0	36.9	37.0	38.5	40.3	40.7	40.8	41.2	41.9	40.2	40.0	39.0
26	38.3	39.0	39.3	39.5	39.6	39.2	39.0	38.5	37.1	35.8	37.7	38.0	38.8	38.1	38.7	38.3
27	38.3	38.1	38.4	38.3	38.9	39.0	39.2	40.3	41.3	41.0	41.3	43.3	43.6	42.0	42.6	41.1
28	41.8	42.0	42.1	41.1	41.3	40.0	40.7	42.2	43.4	43.5	44.2	44.5	45.0	45.1	46.0	45.3
29	41.0	41.1	41.2	41.0	41.1	41.0	41.0	41.1	42.2	45.0	46.0	45.1	44.8	44.3	43.9	43.9
30	40.9	39.8	38.9	39.0	39.2	39.5	39.0	40.5	41.0	39.9	39.4	39.0	42.9	44.3	42.9	42.0
Mean.	38.3	38.2	38.2	38.2	38.3	38.7	39.3	39.7	40.4	40.8	41.3	41.2	41.3	41.3	41.2	40.5

Greatest range, 11.1 on 15th. Least range, 3.1 on 14th.

## HOURLY VALUES—continued.

DEGREES FAHRENHEIT.

NOVEMBER, 1915;

5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night	Hourly mean.	Maximum.	Minimum.	Range.	Date.
37.0	37.0	37.3	37.5	38.0	38.2	38.7	38.8	35.1	38.8	Midnight	... 31.2	4.30 a.m. ... 7.6 1
40.3	39.8	39.5	40.2	40.9	41.3	41.3	41.3	40.3	42.4	1.20 p.m.	... 38.8	0 a.m. ... 3.6 2
40.0	39.9	39.0	39.0	39.3	39.2	39.1	39.2	40.6	42.3	11 a.m.	... 38.9	7.20 p.m. ... 3.4 3
41.0	39.7	39.8	39.9	40.0	40.2	40.1	39.2	40.3	43.8	2.50 p.m.	... 36.9	2.10 a.m. ... 6.9 4
39.7	39.0	38.7	38.6	38.3	37.2	37.3	37.2	39.7	41.5	11 a.m.	... 37.0	11.30 p.m. ... 4.5 5
37.1	38.2	36.7	35.2	36.3	37.0	35.3	36.3	38.1	41.8	1.20 p.m.	... 35.2	8 p.m. ... 6.6 6
36.1	36.1	36.2	36.2	35.8	35.9	35.5	35.2	36.5	40.3	12.5 p.m.	... 34.0	2.30 a.m. ... 6.3 7
38.3	38.6	38.1	37.7	37.0	36.9	37.1	35.1	37.6	41.7	2.30 p.m.	... 33.1	4.40 a.m. ... 8.6 8
37.6	37.0	36.1	35.8	35.3	35.0	34.6	34.5	36.4	39.4	9.30 a.m.	... 33.8	5 a.m. ... 5.6 9
38.3	37.8	36.7	36.7	36.7	36.7	37.0	36.9	37.2	42.0	12.40 p.m.	... 34.3	2 a.m. ... 7.7 10
41.3	39.8	39.7	39.7	39.7	39.7	39.6	39.6	40.2	45.0	3 p.m.	... 36.6	2 a.m. ... 8.4 11
41.7	41.0	40.4	40.2	40.1	40.8	40.5	40.2	40.4	43.3	Noon	... 38.0	5 a.m. ... 5.3 12
41.9	41.7	41.0	40.7	40.2	40.2	40.2	40.1	41.3	43.9	1 p.m.	... 39.9	0.30 a.m. ... 4.0 13
40.3	39.7	39.6	39.4	39.2	39.2	39.2	39.0	39.9	41.9	Noon	... 38.8	3 to 4 a.m. ... 3.1 14
39.0	37.3	36.0	35.0	34.0	34.9	34.8	34.9	38.9	45.1	11 a.m.	... 34.0	9 p.m. ... 11.1 15
33.4	35.6	35.0	35.6	35.3	37.0	38.2	38.3	36.4	41.3	12.10 p.m.	... 32.7	5 a.m. ... 8.6 16
42.0	41.8	41.0	40.8	40.0	39.5	39.1	38.9	40.6	43.1	3.20 p.m.	... 38.3	0 a.m. ... 5.8 17
38.9	38.0	37.2	37.1	37.0	36.9	37.0	37.6	38.7	42.4	3.30 p.m.	... 36.9	10 p.m. ... 5.5 18
42.3	42.2	41.8	41.6	40.2	40.1	40.0	40.4	40.6	44.5	2.50 p.m.	... 36.1	4 a.m. ... 8.4 19
41.1	41.1	41.0	41.0	41.0	39.9	39.8	41.2	41.5	43.9	11.30 a.m.	... 39.8	11 p.m. ... 4.7 20
40.7	40.1	40.1	40.0	39.9	39.5	38.7	38.7	41.5	43.5	9 a.m.	... 38.7	11 p.m.—midn't. 4.8 21
44.3	43.2	43.2	43.5	43.1	43.0	43.0	42.7	43.0	46.5	2 p.m.	... 38.7	0 a.m. ... 7.8 22
41.4	40.0	38.0	36.8	37.0	36.7	35.9	36.0	40.9	43.9	6.40 a.m.	... 35.9	11 p.m. ... 8.0 23
37.9	37.0	36.6	36.4	36.3	36.1	36.1	36.0	37.1	40.8	2 p.m.	... 34.2	2 a.m. ... 6.6 24
38.2	38.0	37.0	37.5	38.0	37.3	37.3	38.0	38.3	41.9	1 p.m.	... 35.0	4.30 a.m. ... 6.9 25
38.7	37.5	37.6	37.7	38.2	38.4	38.4	38.2	38.3	39.6	5 a.m.	... 35.8	10 a.m. ... 3.8 26
41.0	40.8	40.9	41.0	41.3	41.2	41.0	41.3	40.6	44.4	12.10 p.m.	... 38.0	1.30 a.m. ... 6.4 27
44.0	43.1	41.6	40.4	40.9	40.9	41.0	41.0	42.5	46.3	3.10 p.m.	... 40.0	6 a.m. ... 6.3 28
43.2	42.8	42.3	41.8	41.3	41.2	41.1	41.0	42.4	46.9	10.30 a.m.	... 40.8	11.50 p.m. ... 6.1 29
42.0	40.5	40.1	39.4	39.3	39.2	39.1	38.6	40.4	44.3	2 p.m.	... 38.3	11.30 p.m. ... 6.0 30
40.0	39.5	39.0	38.8	38.7	38.6	38.5	38.5	39.5	42.9	.....	36.7	..... 6.2 Mean.

Absolute Maximum = 46.9 at 10.30 a.m. on 29th.

Absolute Minimum = 31.2 at 4.30 a.m. on 1st.

TABLE III.

RELATIVE HUMIDITY.

Table III—RELATIVE HUMIDITY.

MACQUARIE ISLAND.

EXPRESSED IN PERCENTAGES

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.....	.....	.....	.....	.....	.....	.....	.....	89	88	89	86	88
2	91	89	86	85	80	69	72	74	72	75	79	89	89
3	89	89	89	87	87	87	87	87	87	87	87	86	91
4	94	94	92	89	87	88	89	89	87	87	87	87	85
5	89	87	87	87	85	85	84	82	81	84	75	81	83
6	94	94	94	94	94	94	94	90	86	86	85	87	88
7	89	87	87	87	87	87	87	87	87	87	87	88	88
8	86	88	91	88	91	90	91	91	92	92	82	83	79
9	86	86	86	86	86	86	86	86	85	86	85	84	83
10	92	92	92	92	92	90	90	91	91	94	94	95	95
11	98	98	98	98	98	97	97	97	96	96	96	94	92
12	96	96	95	94	94	93	89	87	84	84	85	81	81
13	91	91	91	89	88	87	91	86	86	86	89	89	86
14	87	89	80	82	84	87	88	83	85	88	88	82	83
15	93	93	93	93	93	93	93	86	85	85	86	82	82
16	89	76	82	73	71	80	88	85	76	84	76	77	83
17	85	85	85	85	91	91	88	83	84	86	92	96	91
18	93	96	96	96	94	94	90	89	86	82	76	72	73
19	92	91	93	93	94	95	95	95	95	95	95	95	95
20	99	92	94	99	96	87	95	100	97	94	100	97	93
21	86	88	93	87	83	92	83	86	82	82	84	77	89
22	94	94	92	92	91	89	89	89	88	89	90	91	91
23	97	97	97	97	97	96	95	96	97	97	96	94	94
24	92	90	88	88	84	83	83	81	77	74	88	85	80
25	93	92	91	90	89	88	85	85	81	81	81	81	81
26	95	95	95	92	92	90	89	87	87	87	87	85	80
27	92	92	92	92	92	89	87	84	85	77	68	72	78
28	84	84	84	84	82	82	79	79	78	75	76	76	84
29	93	93	93	94	94	94	90	88	86	90	98	98	98
30	86	84	87	74	89	89	89	87	85	88	89	90	84
31	97	97	97	97	97	95	95	96	96	95	95	95	95
Mean.	91	91	91	90	89	89	89	88	86	86	87	86	87

Absolute Maximum = 100 % on 20th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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—HOURLY VALUES—continued.

—SATURATION = 100 %.

JANUARY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date:
86	86	87	87	85	88	87	87	86	81	83	.....	.....	.....	1
90	90	90	90	90	90	91	88	89	89	85	91	69	69	2
91	91	90	90	92	94	94	94	94	94	90	94	86	86	3
76	76	80	85	83	89	91	91	91	89	89	88	94	76	4
85	85	86	88	90	90	89	94	94	94	94	87	94	75	5
88	91	90	92	94	95	95	94	94	94	94	92	95	85	6
88	88	89	88	87	87	87	86	86	86	84	88	89	84	7
77	77	77	76	79	81	84	84	84	85	86	85	92	76	8
81	91	91	91	93	93	93	92	92	92	92	88	93	81	9
96	97	97	97	98	98	98	99	99	99	99	95	99	90	10
81	81	88	92	91	92	94	96	96	96	96	94	98	81	11
83	87	88	88	89	88	88	91	91	90	91	89	96	81	12
85	91	91	95	90	86	78	91	90	89	87	89	95	85	13
78	81	80	79	86	84	93	95	93	93	93	86	95	78	14
74	80	86	87	90	87	87	94	84	91	85	88	94	74	15
85	87	82	83	81	83	83	84	83	86	86	81	89	71	16
92	86	93	95	92	92	91	98	99	96	94	90	99	83	17
73	77	91	88	87	80	83	86	89	87	89	86	96	72	18
98	98	98	98	98	98	93	95	94	92	94	95	98	91	19
100	97	97	98	95	98	79	94	91	89	95	95	100	79	20
92	93	93	93	93	93	94	94	94	94	94	89	94	82	21
94	96	97	98	100	100	100	100	100	100	97	94	100	88	22
94	94	94	95	94	94	97	97	97	95	95	96	97	94	23
76	71	88	91	91	93	95	97	96	95	94	87	97	71	24
81	84	84	87	90	92	95	97	97	97	97	88	97	81	25
80	82	94	91	91	98	93	96	96	93	94	90	98	80	26
78	73	79	80	84	85	79	88	86	86	84	84	92	68	27
84	86	86	88	89	89	90	91	91	91	91	84	91	75	28
98	98	97	97	97	97	96	95	93	93	92	94	98	86	29
81	81	84	94	90	89	89	90	90	88	88	87	94	74	30
95	91	91	91	91	94	93	100	99	93	91	95	100	91	31
88	87	89	90	90	91	90	93	92	92	91	89	95	80	Mean.

Absolute Minimum = 68 % on 27th.

## MACQUARIE ISLAND.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	85	91	89	89	87	93	90	84	85	91	91	95	98
2	93	92	91	91	91	93	87	90	88	88	86	82	87
3	93	92	92	96	97	92	94	92	92	91	93	93	93
4	99	99	99	99	98	98	99	99	100	100	99	98	96
5	93	90	90	90	92	90	93	96	93	94	100	94	92
6	99	99	99	99	99	98	98	98	98	93	91	93	91
7	98	97	97	98	97	96	94	92	92	100	98	91	91
8	96	96	80	85	88	97	100	100	98	91	97	91	97
9	100	100	100	100	97	97	95	95	95	94	93	90	86
10	95	94	94	94	94	94	94	94	94	94	93	93	92
11	96	96	95	95	94	94	93	93	92	92	91	91	91
12	95	95	97	98	97	98	95	93	93	91	93	93	93
13	94	93	92	91	90	89	88	88	87	84	78	178	78
14	98	98	98	98	98	98	98	97	98	95	98	90	99
15	100	100	100	100	93	93	94	99	97	91	93	93	93
16	95	95	95	96	96	96	96	96	97	96	95	95	94
17	94	94	94	94	94	94	94	94	94	94	94	94	97
18	100	100	100	100	100	100	100	100	100	100	100	100	99
19	100	100	100	97	97	99	96	95	94	89	100	99	98
20	98	98	98	99	97	97	97	97	97	94	94	91	91
21	94	94	94	94	94	94	94	94	93	93	93	93	91
22	94	94	93	93	93	93	93	93	93	93	93	93	93
23	94	94	94	94	94	94	94	94	94	94	92	92	82
24	91	91	91	91	91	91	91	91	91	91	91	92	93
25	92	92	92	92	92	91	91	91	91	91	91	92	93
26	95	95	95	95	95	96	96	96	96	95	93	92	90
27	96	96	96	96	96	96	96	96	96	96	96	96	96
28	95	95	95	95	95	95	94	94	94	94	94	94	95
29	94	94	94	95	95	95	95	94	94	94	94	94	94
Mean.	95	95	95	95	95	95	94	94	94	93	93	92	93

Absolute Maximum = 100% on 3rd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued*:

SATURATION = 100%.

FEBRUARY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
98	98	93	93	93	93	93	93	93	93	93	92	98	84	1
83	81	83	86	90	94	95	98	98	97	97	90	98	81	2
92	93	94	97	100	99	99	100	100	99	99	95	100	91	3
95	94	94	94	95	95	95	95	95	95	95	97	100	94	4
91	98	98	98	90	98	100	100	100	100	100	95	100	90	5
92	98	99	100	100	100	99	98	98	100	100	97	100	91	6
91	95	98	91	92	92	98	98	100	100	95	96	100	91	7
96	98	98	99	99	97	100	100	100	100	100	96	100	80	8
86	86	86	92	97	97	97	97	97	97	97	95	100	86	9
91	90	92	92	94	95	96	97	97	97	97	94	97	90	10
89	87	90	92	94	96	98	97	94	97	95	93	98	87	11
93	93	93	94	97	97	97	97	97	96	95	95	98	91	12
81	78	80	83	87	92	92	98	98	98	98	88	98	78	13
99	97	96	97	97	98	98	98	98	97	100	98	100	95	14
93	91	91	91	94	94	94	95	95	95	95	95	100	91	15
93	92	92	92	92	94	94	94	94	94	94	94	97	92	16
97	97	97	89	96	97	98	98	98	98	99	95	99	89	17
98	98	98	98	100	100	100	100	100	100	99	99	100	98	18
98	97	100	99	99	98	98	98	98	98	98	98	100	89	19
89	90	90	90	93	94	94	94	94	94	94	94	99	89	20
91	91	91	91	91	91	93	93	93	93	94	93	94	91	21
93	95	95	95	95	95	95	95	95	94	94	94	95	93	22
84	85	86	90	93	94	86	90	91	91	90	90	94	82	23
93	93	93	93	92	92	92	92	92	92	92	92	93	91	24
93	94	94	94	94	95	95	95	95	95	95	93	95	91	25
89	90	87	85	87	90	94	94	94	96	90	93	96	85	26
95	94	94	94	94	95	95	95	95	95	95	95	96	94	27
95	95	95	97	93	95	93	93	93	94	94	94	97	93	28
94	94	94	94	94	95	95	95	95	95	95	94	95	94	29
92	92	93	93	94	95	96	96	96	96	96	94	98	89	Mean.

Absolute Minimum = 78% on 13th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	95	95	95	95	95	94	94	94	93	93	94	94
2	90	94	92	93	93	94	93	93	93	93	93	93	93
3	94	94	94	94	94	93	93	93	93	93	93	92	92
4	92	92	94	94	94	94	94	94	94	95	95	91	91
5	96	96	96	96	96	96	97	97	97	97	97	97	97
6	96	96	96	96	97	97	97	87	87	84	85	84	83
7	94	94	94	94	94	94	94	94	94	94	94	94	95
8	97	97	96	96	96	96	96	96	97	97	97	97	97
9	95	95	95	95	95	95	95	95	93	94	92	88	89
10	93	93	96	96	96	96	96	96	96	96	96	96	97
11	97	96	96	96	96	96	96	96	96	97	97	97	97
12	96	92	93	88	91	90	93	91	87	92	83	83	83
13	92	92	92	93	87	86	86	86	89	92	95	92	95
14	96	95	94	92	93	96	95	94	94	95	94	96	96
15	95	96	95	95	95	96	96	95	96	95	91	91	91
16	91	91	92	93	96	96	96	96	96	96	96	96	96
17	92	95	95	97	95	95	97	96	92	93	93	93	93
18	94	93	87	88	88	97	96	96	96	95	94	94	94
19	96	96	97	96	96	92	91	89	92	92	93	96	91
20	93	93	97	94	94	95	94	94	95	96	96	96	97
21	96	96	96	96	97	97	97	97	97	96	91	90	96
22	97	94	90	95	85	95	91	89	97	87	89	90	88
23	97	96	95	91	95	93	92	96	92	94	91	98	98
24	98	97	97	98	96	92	95	95	96	92	87	96	100
25	86	86	76	87	77	79	74	86	87	85	90	90	88
26	86	86	89	89	90	92	93	95	96	96	96	96	96
27	98	98	98	98	98	98	98	98	98	98	98	99	99
28	100	100	99	99	99	99	99	99	99	98	98	98	93
29	95	94	95	95	96	96	96	96	98	98	98	98	98
30	89	89	93	93	88	94	94	92	96	97	99	92	92
31	97	97	97	97	97	97	97	97	97	97	97	97	97
Mean.	94	94	94	94	94	94	94	94	94	94	94	94	94

Absolute Maximum = 100% on 22nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —HOURLY VALUES—continued.

—SATURATION = 100%.

MARCH, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
94	89	89	90	92	92	92	94	94	94	94	94	95	89	1
93	93	93	93	93	93	94	94	94	94	94	93	94	90	2
92	92	92	92	92	92	92	92	92	92	92	93	94	92	3
91	92	91	92	92	96	96	96	96	96	96	94	96	91	4
97	97	97	97	97	98	98	98	98	98	96	97	98	96	5
83	83	83	83	83	85	88	95	95	94	94	90	97	83	6
90	96	96	96	96	97	97	97	97	97	97	95	97	94	7
97	97	97	96	96	98	98	98	98	96	96	97	98	96	8
88	88	90	90	90	92	93	94	94	94	94	93	95	88	9
97	97	97	97	97	97	97	97	97	97	97	96	97	93	10
97	97	97	97	97	97	97	97	97	97	96	97	97	96	11
86	86	88	95	98	96	98	96	91	97	94	91	98	83	12
95	93	94	94	94	95	96	96	96	96	96	93	96	86	13
94	94	94	92	92	94	94	94	94	95	94	95	96	92	14
91	91	91	91	91	91	91	93	96	91	91	93	96	91	15
97	97	97	97	97	93	91	90	93	91	93	94	97	90	16
93	94	96	97	96	96	96	96	92	94	95	95	97	92	17
94	96	95	95	95	95	95	95	96	96	96	94	96	87	18
91	91	90	90	90	90	90	90	90	90	90	92	97	89	19
97	97	98	98	98	98	98	97	97	97	96	96	98	93	20
93	89	83	83	83	83	98	98	99	99	97	94	99	83	21
94	98	100	100	100	100	97	97	97	96	97	94	100	85	22
95	96	95	99	97	98	97	97	98	98	98	96	99	91	23
100	93	97	90	82	83	82	79	83	76	83	94	100	76	24
92	92	92	86	88	85	87	86	85	86	86	86	92	74	25
96	95	95	96	99	99	99	99	99	99	99	95	99	86	26
100	100	100	100	99	99	99	100	100	100	100	99	100	98	27
93	94	94	94	91	95	94	94	95	95	95	97	100	91	28
98	99	99	99	99	99	99	93	87	87	90	96	99	87	29
93	94	96	97	97	97	97	97	97	97	97	95	99	88	30
97	97	97	97	96	96	96	96	96	96	96	97	97	96	31
94	94	94	94	94	94	95	95	95	94	94	94	96	89	Mean.

Absolute Minimum = 74% on 25th.

Table III.—RELATIVE HUMIDITY

MACQUARIE ISLAND.

EXPRESSED IN PERCENTAGES

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	
1	96	96	93	89	89	89	87	84	82	82	81	80	79	
2	92	93	95	95	95	94	91	95	96	97	96	96	96	
3	97	97	95	91	92	90	94	95	95	96	96	95	95	
4	97	97	96	96	96	96	95	95	96	95	94	96	95	
5	96	96	96	96	96	96	96	96	97	97	97	97	97	
6	98	98	97	97	97	97	98	98	98	98	98	98	99	
7	98	98	98	98	98	98	98	98	98	98	98	97	97	
8	95	95	97	97	98	98	98	97	97	92	96	96	87	
9	78	69	75	80	80	80	76	80	82	86	89	99	96	
10	96	96	96	96	96	96	96	96	96	96	96	96	97	
11	98	98	98	97	97	95	95	96	96	96	96	96	96	
12	96	96	96	96	96	96	96	96	97	97	91	96	93	
13	100	100	95	100	100	100	100	100	95	91	100	89	90	
14	96	96	96	90	90	90	92	96	92	94	95	95	96	
15	96	96	96	96	96	96	96	96	97	97	97	97	97	
16	97	97	96	97	96	96	97	97	97	97	97	97	97	
17	98	98	98	97	97	97	97	97	97	97	97	97	97	
18	97	97	97	97	97	97	97	97	97	97	97	97	97	
19	90	90	88	89	88	89	89	89	87	89	84	81	95	
20	98	98	97	97	97	97	97	97	98	98	99	100		
21	96	94	98	98	100	99	100	95	93	100	100	91	88	
22	99	99	96	95	96	96	95	95	95	98	94	94	93	
23	95	92	96	96	93	96	96	96	96	99	99	99	96	
24	100	93	95	95	95	100	100	97	97	98	98	98	98	
25	97	97	97	97	97	97	97	97	97	90	96	93	93	
26	92	92	92	91	91	91	91	92	93	96	96	96	96	
27	97	97	97	97	97	97	97	97	97	97	97	97	96	
28	97	97	97	97	97	97	97	97	98	98	98	98	98	
29	97	97	98	98	98	98	98	98	95	95	95	95	95	
30	99	98	98	98	98	98	98	98	98	98	98	98	98	
Mean.	96	95	96	95	95	95	95	95	95	95	95	95	95	

Absolute Maximum = 100% on the 9th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

167

-HOURLY VALUES—*continued*.

-SATURATION = 100%.

APRIL, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum.	Minimum.	Date.
82	81	84	86	89	89	91	91	91	91	93	87	96	79	1
96	96	96	95	97	97	97	97	97	98	98	96	98	91	2
95	94	96	97	97	97	97	97	97	97	97	95	97	90	3
97	97	96	96	96	96	96	96	96	96	96	97	97	94	4
97	97	97	97	98	98	99	99	99	99	99	97	99	96	5
99	99	99	99	99	99	99	99	99	99	99	98	99	97	6
97	98	98	98	98	98	98	98	98	98	98	96	98	96	7
87	89	94	87	98	91	87	91	86	80	77	93	98	77	8
100	96	99	97	97	96	96	96	96	96	96	89	100	69	9
97	98	98	98	98	98	98	98	98	98	98	97	98	96	10
96	97	97	97	97	97	96	96	96	96	96	96	98	95	11
92	87	98	95	98	82	78	93	93	86	89	93	98	78	12
88	92	96	96	96	96	96	96	96	96	96	96	100	88	13
96	96	95	95	96	96	96	97	97	96	96	95	97	90	14
97	97	97	97	97	97	97	96	96	97	97	97	97	96	15
97	98	98	98	98	98	98	98	98	98	98	97	98	96	16
97	97	97	97	97	97	98	98	98	97	97	97	98	97	17
97	97	97	97	95	92	92	92	92	92	88	96	97	88	18
90	94	94	98	98	96	97	96	96	96	98	92	98	81	19
100	100	99	98	97	97	97	97	97	97	94	98	100	94	20
87	88	100	94	85	98	94	94	98	99	99	95	100	85	21
97	96	97	97	97	96	96	97	97	97	97	96	99	93	22
84	80	83	83	79	99	94	96	99	100	90	93	100	79	23
98	98	98	98	97	96	98	97	99	99	97	97	100	93	24
97	93	90	88	89	88	94	94	94	95	92	94	97	88	25
96	97	97	97	97	97	98	98	98	98	97	95	98	91	26
95	94	94	95	95	96	96	96	96	96	96	96	97	94	27
97	97	97	97	97	96	96	96	96	96	97	97	98	96	28
99	99	99	99	99	100	100	100	100	100	99	98	100	95	29
98	93	93	92	91	91	90	90	90	89	89	95	99	89	30
95	95	96	95	95	96	95	96	96	96	95	95	98	90	Mean,

Absolute Minimum = 69% on the 9th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY.

MACQUARIE ISLAND.

EXPRESSED IN PERCENTAGES

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	93	90	91	90	92	92	92	95	100	96	96	96	96
2	99	100	95	89	90	95	88	87	87	86	90	85	86
3	97	97	97	97	97	98	98	98	98	98	98	97	97
4	98	99	100	99	94	100	94	84	84	79	94	99	84
5	95	96	95	94	93	96	93	95	94	94	96	94	94
6	97	97	97	97	97	97	97	97	97	98	98	98	99
7	100	100	100	100	99	99	99	99	99	99	99	99	98
8	99	99	99	99	100	100	100	100	100	100	99	99	98
9	100	100	100	100	100	100	99	99	99	99	99	99	98
10	98	98	98	99	99	99	100	100	100	100	100	100	99
11	98	98	98	98	98	98	98	97	97	95	95	95	97
12	98	98	98	98	99	99	99	99	97	90	87	86	86
13	91	91	94	94	94	94	94	97	97	98	98	98	98
14	97	97	98	99	99	99	99	99	99	99	99	98	98
15	98	98	98	98	98	99	99	99	99	99	99	99	98
16	97	97	97	97	98	98	98	98	98	98	98	99	99
17	84	65	67	76	81	80	74	75	77	79	82	94	94
18	94	94	94	94	94	94	96	96	97	97	96	96	95
19	95	95	95	95	95	95	95	95	95	95	91	91	91
20	94	94	94	94	94	94	94	94	94	94	95	95	96
21	96	96	96	96	96	95	95	94	94	94	94	91	93
22	89	90	89	89	88	88	89	89	88	88	88	88	88
23	94	94	94	94	93	93	93	93	97	97	96	96	97
24	98	98	98	98	97	97	97	97	97	96	96	95	94
25	96	92	92	87	91	94	93	92	88	88	84	82	85
26	88	88	87	88	90	92	92	92	93	94	95	95	96
27	99	99	98	98	98	97	97	97	97	97	97	97	97
28	98	98	98	98	95	95	95	94	94	94	93	93	92
29	95	97	97	97	97	97	90	87	79	75	72	74	73
30	98	98	98	98	98	98	95	95	93	93	90	91	91
31	97	97	97	97	97	97	97	97	97	98	98	98	98
Mean.	96	95	95	95	95	96	94	95	95	94	94	94	94

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

169

—HOURLY VALUES—*continued.*

—SATURATION = 100%.

MAY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
96	96	93	93	93	95	95	97	98	99	99	94	100	90	1
93	93	91	89	89	94	94	96	97	97	97	92	100	85	3
97	97	97	97	97	97	97	98	98	97	97	97	98	97	3
92	93	94	94	94	94	92	92	92	94	94	93	100	79	4
95	96	96	96	95	97	97	97	97	97	97	95	97	93	5
99	99	99	99	99	100	100	100	100	100	100	98	100	97	6
98	98	98	98	98	99	99	99	99	99	99	99	100	98	7
98	97	98	98	99	99	100	100	100	100	100	99	100	97	8
98	98	98	98	97	97	96	96	96	97	97	98	100	96	9
99	99	99	99	99	99	99	99	99	99	99	99	100	98	10
98	97	97	97	97	98	98	98	98	98	98	97	98	95	11
87	90	92	90	90	88	91	96	95	91	89	93	99	86	12
98	98	98	98	98	97	97	97	97	97	98	96	98	91	13
98	97	97	97	97	97	98	98	98	98	98	98	99	97	14
98	98	98	98	98	97	97	97	97	97	97	98	99	97	15
100	100	100	99	99	98	98	97	94	81	76	97	100	76	16
94	93	95	95	95	93	94	94	94	94	94	86	95	65	17
95	94	94	94	94	95	95	95	95	95	95	95	97	94	18
89	90	91	92	92	93	93	94	94	94	94	93	95	89	19
97	98	98	98	98	98	97	97	97	97	97	96	98	94	20
93	95	95	94	94	93	92	91	90	90	89	94	96	89	21
91	91	91	92	92	92	93	94	94	94	94	90	94	88	22
98	98	98	97	97	97	98	98	98	98	98	96	98	93	23
94	94	94	95	95	94	94	95	95	95	96	96	98	94	24
82	83	79	75	74	78	83	83	82	85	88	86	96	74	25
96	97	97	97	97	98	98	98	99	99	99	94	99	87	26
97	97	97	97	97	98	98	98	98	98	98	98	99	97	27
92	92	92	90	90	88	88	88	88	90	95	93	98	88	28
74	78	78	83	84	86	94	93	94	91	99	92	99	72	29
91	91	91	91	89	92	92	96	96	96	97	94	98	89	30
98	98	98	98	98	98	98	98	98	98	98	98	98	97	31
94	95	95	94	94	95	95	96	96	95	96	95	98	90	Mean.

Absolute Minimum = 65% on 17th.

\*964—Y

Table III.—RELATIVE HUMIDITY.

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	98	98	98	98	98	98	98	98	98	98	98	98	98
2	98	99	99	99	99	99	99	99	97	95	94	95	95
3	91	91	88	90	89	88	91	91	92	90	92	93	89
4	91	93	92	94	94	94	94	94	94	94	93	93	92
5	92	92	92	92	92	92	92	92	92	91	91	91	91
6	90	91	91	91	92	93	94	95	98	97	97	96	96
7	98	98	97	97	97	98	98	98	98	96	93	93	92
8	90	90	90	90	90	90	92	94	94	94	94	93	94
9	94	94	93	92	91	90	89	88	87	86	86	86	86
10	94	94	94	94	94	94	94	94	95	94	94	94	93
11	92	90	88	86	84	82	77	76	74	74	74	73	72
12	83	86	86	86	86	86	86	85	85	85	82	80	78
13	87	91	92	94	93	95	94	95	96	96	96	96	97
14	99	99	99	99	99	99	99	99	99	99	99	99	99
15	100	100	100	100	100	100	100	100	100	100	100	100	100
16	96	95	94	93	92	89	87	82	81	81	81	71	83
17	92	93	94	94	94	94	94	95	97	95	97	97	98
18	100	100	100	100	100	100	100	93	93	93	91	89	87
19	89	89	89	93	95	95	95	95	95	95	96	97	98
20	96	92	92	91	90	89	88	87	86	89	91	94	96
21	92	92	87	87	87	81	81	81	81	81	81	81	81
22	94	94	94	94	93	93	93	92	91	91	91	94	94
23	90	99	99	99	100	100	100	100	100	100	100	100	100
24	77	80	84	84	84	84	86	86	87	88	91	94	95
25	90	90	90	90	90	91	89	90	88	89	90	91	92
26	95	96	97	97	97	98	98	98	99	99	99	99	100
27	95	94	90	90	90	90	90	90	84	84	84	84	85
28	98	98	97	97	97	96	95	95	95	96	95	96	97
29	88	88	88	88	88	88	86	86	87	88	89	91	93
30	97	96	96	95	95	94	94	93	92	93	94	95	96
Mean.	93	93	93	93	93	93	92	92	92	92	92	92	92

Absolute Maximum = 100% on 13th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

171

## HOURLY VALUES—continued.

SATURATION = 100%.

JUNE, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date
97	96	97	98	98	98	98	98	98	98	98	98	98	96	1
95	95	95	95	95	95	95	95	95	95	95	95	95	94	2
92	84	84	84	86	86	86	83	86	86	88	88	93	83	3
92	90	90	90	90	90	90	91	92	92	92	92	94	90	4
91	91	90	89	88	87	86	86	87	88	89	90	92	86	5
95	97	97	98	99	97	98	98	98	98	98	95	99	90	6
92	90	89	89	89	89	89	89	89	89	89	93	98	89	7
94	94	93	93	95	95	96	97	97	96	94	93	97	90	8
85	85	87	88	89	90	91	92	94	94	94	90	94	85	9
91	92	93	93	95	96	96	97	96	95	94	94	97	91	10
70	71	71	71	71	72	73	74	77	80	77	92	70	11	
77	76	77	77	80	83	83	83	84	87	83	87	76	12	
97	99	98	98	98	99	99	100	100	100	100	96	100	87	13
99	99	99	99	99	100	100	100	100	100	100	99	100	99	14
100	100	100	100	100	100	100	100	99	98	97	100	100	97	15
69	69	76	83	89	91	90	89	89	87	89	85	96	69	16
99	100	100	100	100	100	100	100	100	100	100	97	100	92	17
85	84	84	86	87	88	88	88	88	88	89	92	100	84	18
98	99	99	96	96	95	95	95	95	95	96	95	99	89	19
97	98	98	95	95	94	94	93	93	93	93	93	98	86	20
81	85	88	91	94	95	98	100	100	98	94	88	100	81	21
97	100	100	100	100	100	100	99	99	99	99	96	100	91	22
100	96	95	93	89	84	81	76	73	77	77	94	100	73	23
96	97	97	97	95	93	94	95	92	92	90	97	77	24	
92	93	94	92	92	93	93	93	93	95	95	91	95	88	25
100	100	100	100	100	100	100	100	99	98	97	99	100	95	26
85	86	88	90	92	93	95	98	99	99	98	90	99	84	27
97	98	96	94	92	91	89	88	88	88	88	94	98	88	28
94	95	95	96	97	97	97	97	97	97	97	92	97	86	29
97	98	98	98	98	97	97	98	97	97	95	94	98	92	30
92	93	92	92	93	93	93	93	93	93	93	93	97	87	
92	93	92	92	93	93	93	93	93	93	93	93	97	87	Mean.

Absolute Minimum = 69% on 16th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon:	1 p.m.
1	93	92	90	87	86	77	74	72	72	72	72	72	72
2	92	92	92	92	92	92	92	92	92	92	92	92	92
3	98	98	98	98	98	98	98	98	98	98	98	99	99
4	100	100	100	100	100	100	100	100	100	100	100	100	100
5	79	79	79	79	79	79	81	82	82	82	84	84	86
6	82	83	81	76	76	76	76	72	75	78	81	83	86
7	86	83	86	84	86	83	86	86	87	88	89	94	94
8	95	95	94	94	93	93	92	92	91	91	90	90	89
9	95	95	95	95	95	95	95	95	95	98	94	91	90
10	85	86	87	86	85	86	86	86	85	85	88	89	89
11	92	92	92	95	95	95	95	95	99	97	97	95	93
12	96	96	96	96	96	96	96	96	96	96	95	95	94
13	93	92	91	90	88	87	85	84	82	83	84	85	86
14	81	78	78	74	74	74	74	69	69	71	78	78	77
15	89	89	88	88	88	88	88	88	88	88	88	88	88
16	92	92	92	92	92	95	95	95	99	99	99	99	99
17	92	92	92	92	92	92	92	92	99	99	99	100	100
18	90	99	99	99	97	97	97	97	92	92	92	92	92
19	95	95	95	94	94	94	93	93	92	92	93	92	94
20	98	98	94	94	94	94	92	77	76	76	76	75	75
21	89	88	87	86	85	84	83	82	80	82	85	87	88
22	81	81	81	81	82	85	85	85	86	88	89	90	91
23	96	96	96	96	96	95	95	95	95	95	95	95	94
24	96	96	96	96	96	96	96	96	96	96	96	96	95
25	96	96	96	96	96	96	96	96	98	98	98	98	98
26	85	86	87	90	90	92	92	92	96	96	96	96	96
27	98	98	99	99	99	99	99	99	100	100	100	100	99
28	98	98	98	98	98	95	66	66	66	68	70	73	75
29	85	93	93	93	93	93	93	93	93	93	93	93	93
30	92	94	94	94	97	97	97	97	97	98	98	95	96
31	77	84	84	86	89	88	98	98	98	97	95	95	95
Mean.	91	91	91	91	91	91	90	89	90	90	90	91	91

Absolute Maximum = 100% on 3rd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

173

—HOURLY VALUES—*continued.*

—SATURATION = 100%.

JULY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
72	72	77	77	77	77	80	83	85	89	89	80	93	72	1
92	97	97	97	97	97	98	98	98	98	98	94	98	92	2
100	100	100	100	100	100	100	100	100	100	100	99	100	98	3
100	100	100	100	97	97	94	86	82	80	82	97	100	80	4
86	86	86	89	90	86	91	87	87	89	89	84	91	79	5
86	84	86	81	83	86	78	77	78	83	85	81	86	72	6
94	94	94	95	95	96	96	97	97	96	96	91	97	83	7
89	87	88	89	90	91	92	93	93	93	95	92	95	87	8
89	87	87	87	87	88	88	88	86	86	85	91	98	85	9
89	85	87	90	90	90	90	92	92	92	92	88	92	85	10
94	94	94	94	95	95	95	95	95	95	96	95	99	92	11
94	93	93	93	95	96	96	97	96	95	94	95	97	93	12
87	89	89	89	89	89	75	79	86	86	84	87	93	75	13
81	81	81	84	84	90	90	90	90	90	89	80	90	69	14
88	89	90	90	90	90	90	90	90	90	92	88	92	88	15
99	95	95	93	91	92	92	92	92	92	92	94	99	91	16
100	100	99	99	99	99	99	100	100	100	99	96	100	92	17
93	90	91	93	94	95	97	97	97	97	97	95	99	91	18
97	98	98	98	98	98	98	98	98	98	98	95	98	92	19
75	74	74	76	84	89	89	91	91	91	90	85	98	74	20
90	90	90	86	86	84	81	79	81	81	81	85	90	79	21
93	94	95	95	96	96	96	97	97	97	97	90	97	81	22
94	94	94	94	94	95	95	96	96	96	96	95	96	94	23
95	94	94	94	94	95	95	96	96	96	96	96	96	94	23
98	100	100	100	100	100	100	85	85	85	85	96	100	85	25
98	98	98	98	98	98	98	98	98	98	98	94	98	85	26
90	99	99	99	99	99	100	100	98	98	98	99	100	98	27
76	79	79	80	80	81	82	82	82	82	82	81	98	66	28
94	97	97	97	97	93	91	90	92	92	92	93	97	85	29
98	99	99	99	97	93	87	82	82	82	79	94	99	79	30
94	92	92	94	95	96	97	97	97	97	97	93	98	77	31
91	92	92	92	92	93	92	92	92	92	92	91	96	84	Mean.

Absolute Minimum = 66% on 28th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	95	95	95	95	95	95	95	89	85	90	85	92
2	93	93	90	87	83	87	74	69	74	67	73	75	86
3	83	86	82	83	94	82	84	74	85	91	91	91	92
4	97	97	97	97	97	97	93	90	90	92	92	95	85
5	96	92	87	92	80	86	76	78	73	70	81	85	82
6	93	88	89	85	87	95	94	93	92	95	95	94	93
7	94	94	93	92	89	89	90	90	93	92	90	90	92
8	86	86	90	85	82	76	84	80	86	80	82	77	77
9	90	78	76	77	82	80	80	81	80	80	76	70	83
10	74	86	72	67	63	58	64	65	77	61	61	60	57
11	73	70	74	77	77	75	71	63	80	83	79	71	74
12	92	93	92	89	91	91	91	91	91	91	91	91	93
13	98	98	98	98	98	98	98	98	97	98	98	98	98
14	91	91	91	92	92	90	92	91	91	92	91	91	91
15	92	89	89	89	89	86	82	78	78	79	79	79	82
16	92	95	95	95	95	95	95	97	97	96	94	96	96
17	97	97	97	97	97	97	97	97	97	95	95	94	94
18	89	89	89	89	89	96	98	99	100	100	99	99	98
19	99	99	99	99	99	100	100	100	100	100	100	99	99
20	92	92	92	92	92	92	92	92	89	90	90	87	87
21	82	85	96	95	94	100	98	100	90	98	88	79	84
22	79	76	74	75	74	76	74	74	77	80	83	86	88
23	92	95	95	95	95	96	96	97	97	97	97	97	99
24	100	100	100	96	93	93	91	89	87	86	87	87	85
25	99	99	99	98	98	97	97	97	97	97	97	97	97
26	97	97	97	97	97	97	97	97	94	94	94	94	92
27	94	94	91	92	92	92	92	92	92	91	90	88	85
28	90	92	92	92	92	93	94	94	94	94	92	92	90
29	98	98	98	98	98	98	98	98	98	98	96	96	96
30	97	99	94	94	93	93	92	92	91	91	91	91	91
31	92	92	93	93	94	94	95	95	95	95	95	95	96
Mean.	91	91	91	90	90	90	89	89	90	89	89	88	89

Absolute Maximum = 100% on 18th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

175

HOURLY VALUES—*continued.*

SATURATION = 100%.

AUGUST, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
80	89	89	93	93	95	94	93	93	93	93	92	95	85	1
95	94	93	86	90	84	82	77	80	82	83	83	95	67	2
95	95	95	95	95	96	96	97	97	97	97	90	97	74	3
87	88	91	91	91	93	88	93	94	98	96	93	98	85	4
85	80	89	91	91	91	91	94	94	94	94	87	96	73	5
93	93	93	93	93	93	91	92	92	92	94	92	95	85	6
93	94	94	94	93	91	96	95	95	79	82	92	96	79	7
80	79	75	71	81	86	82	87	77	78	80	81	90	71	8
80	82	87	87	87	87	86	88	80	79	71	81	90	71	9
61	63	66	65	69	91	90	90	84	96	74	71	96	57	10
88	75	72	83	90	90	90	91	94	93	92	80	94	63	11
95	96	96	96	96	97	98	98	98	98	98	94	98	89	12
98	98	98	98	98	92	91	91	91	91	91	96	98	91	13
87	83	85	88	88	88	92	94	94	94	93	90	94	83	14
82	83	83	83	84	86	87	88	88	88	89	85	92	73	15
96	96	96	96	96	96	97	97	97	97	97	96	97	92	16
92	92	93	91	89	89	89	89	89	89	89	93	97	89	17
98	98	98	98	98	98	98	98	98	98	98	96	100	89	18
98	95	95	95	95	95	95	94	94	94	92	97	100	92	19
85	86	91	91	91	91	92	91	91	95	91	91	95	85	20
71	95	95	90	90	88	86	81	85	81	75	89	100	71	21
85	85	90	94	92	92	92	92	92	92	92	83	94	74	22
99	99	99	100	100	100	100	100	100	100	100	97	100	92	23
86	87	88	90	95	98	99	100	100	100	99	93	100	85	24
97	97	97	97	97	97	97	97	97	97	97	97	99	97	25
92	90	92	94	95	95	97	96	96	96	96	95	97	90	26
85	84	87	87	89	92	92	93	92	90	90	90	94	84	27
89	89	91	93	95	95	96	98	98	98	98	93	98	89	28
95	95	95	95	95	97	97	97	97	97	97	97	98	95	29
93	93	93	93	93	91	91	90	90	90	92	92	97	90	30
96	96	96	96	95	95	94	94	94	94	94	94	96	92	31
89	90	90	91	92	92	92	93	92	92	91	90	96	82	Mean.

Absolute Minimum = 57% on 10th.

## AUSTRALASIAN ANTARCTIC EXPEDITION;

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	94	95	95	95	95	95	95	95	95	100	100	100	100
2	98	99	99	99	100	100	100	100	100	100	100	100	100
3	100	100	100	99	98	98	99	99	99	99	99	99	99
4	100	100	100	100	100	100	99	98	98	98	99	99	99
5	98	98	100	100	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100	96	97	97	97
7	98	98	98	98	98	97	97	97	97	97	98	98	98
8	100	100	100	100	100	99	99	99	99	99	99	99	98
9	98	98	98	98	98	98	98	96	96	97	90	88	88
10	87	84	89	94	94	95	95	90	92	94	96	96	100
11	91	85	86	85	86	86	84	79	81	79	82	79	84
12	88	88	88	88	88	90	91	93	94	94	94	96	97
13	94	88	77	76	81	78	75	75	70	76	81	80	83
14	98	98	98	98	98	98	100	100	100	100	100	100	100
15	99	99	98	98	92	92	93	93	93	92	94	92	93
16	94	94	94	94	94	93	93	93	92	91	91	92	93
17	97	97	97	97	97	98	98	98	99	99	99	97	97
18	95	94	93	92	91	90	87	83	83	83	78	73	71
19	94	90	90	91	90	90	90	90	86	82	78	65	77
20	80	76	80	77	74	80	83	81	82	90	90	88	91
21	90	87	87	86	86	85	85	85	84	83	87	85	84
22	88	91	91	92	92	92	91	94	94	94	94	95	95
23	96	97	97	97	97	97	97	97	97	94	92	92	90
24	92	92	92	92	92	92	92	92	92	93	93	93	93
25	87	86	90	79	89	79	78	78	74	75	73	73	76
26	90	90	92	88	94	83	85	74	73	71	71	72	73
27	83	84	82	93	95	99	96	92	91	88	90	90	90
28	93	95	96	96	96	96	96	94	91	92	90	89	87
29	88	88	92	89	90	92	87	92	92	94	97	97	97
30	98	98	98	98	98	98	98	98	98	100	100	100	100
Mean.	94	93	93	93	93	93	93	92	92	92	92	91	92

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

177

HOURLY VALUES—*continued*:

SATURATION = 100%.

SEPTEMBER 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean:	Maximum:	Minimum:	Date:
100	100	99	98	98	98	98	97	97	97	97	97	100	94	1
100	100	100	100	100	100	100	100	100	100	100	100	100	98	2
100	100	100	100	100	100	100	100	100	100	100	100	100	98	3
99	100	100	100	99	98	98	98	98	98	98	99	100	98	4
100	100	100	100	100	100	100	100	100	100	100	100	100	98	5
97	97	99	99	99	99	98	98	98	98	98	99	100	96	6
99	100	100	100	100	100	100	100	100	100	100	99	100	97	7
93	96	96	97	97	97	97	98	98	98	98	98	100	93	8
95	95	94	92	88	84	80	82	82	83	82	92	98	80	9
100	100	100	100	100	100	100	100	100	100	98	96	100	84	10
84	82	85	88	84	84	85	88	88	88	88	85	91	79	11
98	100	100	100	98	97	96	96	95	95	94	100	88	12	
90	98	98	98	98	98	98	98	98	98	98	88	98	70	13
100	100	100	100	100	100	100	100	100	100	99	99	100	98	14
93	93	96	96	96	95	94	94	93	94	94	94	99	92	15
94	94	96	96	96	97	97	97	97	97	97	94	97	91	16
97	97	97	97	97	97	98	100	99	97	96	98	100	96	17
70	81	86	76	74	75	75	83	99	95	97	84	99	70	18
75	80	83	81	76	81	85	82	86	82	80	84	94	65	19
84	80	94	85	90	77	78	76	88	92	92	84	94	74	20
84	84	85	85	85	85	85	84	86	86	89	86	90	83	21
97	97	97	97	97	96	96	96	96	96	96	94	97	88	22
89	89	90	90	90	91	91	92	92	92	92	93	97	89	23
97	97	97	96	93	90	88	87	86	88	87	92	97	86	24
75	78	81	84	91	86	89	84	86	89	84	82	91	73	25
76	73	73	77	77	81	84	84	81	83	83	80	94	71	26
90	90	92	94	96	96	96	97	97	98	96	92	99	82	27
90	86	87	88	90	89	90	91	88	88	88	91	96	86	28
97	97	97	97	97	97	98	98	98	98	98	94	98	87	29
100	93	82	81	91	94	92	88	91	96	98	95	100	81	30
92	93	93	93	93	93	93	93	94	94	94	93	99	84	Mean

Absolute Minimum = 65% on 19th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	97	98	93	89	95	96	98	98	97	97	97	97	97
2	87	87	89	89	98	94	94	94	94	95	97	97	94
3	90	85	86	90	90	88	90	90	81	82	86	86	89
4	94	92	92	92	92	90	84	80	76	83	83	83	86
5	95	95	95	95	94	94	93	92	95	92	92	86	88
6	80	77	76	76	81	83	94	94	94	89	83	85	85
7	93	95	95	95	95	94	95	98	98	98	98	98	98
8	96	96	96	96	93	92	92	91	90	90	97	97	97
9	96	96	93	89	96	95	95	93	80	77	75	76	85
10	93	91	89	89	91	90	91	90	92	89	94	97	97
11	97	97	97	97	97	98	98	98	98	97	94	94	91
12	86	85	85	87	85	85	76	74	80	88	90	92	94
13	67	67	71	69	76	79	64	69	78	70	81	86	69
14	69	70	67	67	78	84	80	73	70	66	66	78	63
15	95	84	90	85	73	78	73	77	77	76	77	71	73
16	78	76	81	81	78	75	80	78	76	72	73	77	76
17	94	94	95	95	96	96	97	97	97	97	97	98	98
18	97	97	97	97	97	97	96	96	98	98	96	96	96
19	92	91	87	86	86	86	80	81	80	84	84	84	90
20	94	92	91	96	88	90	87	92	88	91	93	99	100
21	84	73	80	78	78	87	91	97	94	83	87	87	86
22	83	83	83	83	82	86	86	86	86	86	86	87	87
23	92	89	87	84	83	80	73	71	77	70	70	72	58
24	90	93	95	98	100	100	100	97	86	86	84	84	70
25	95	82	79	84	75	81	92	81	80	70	80	96	98
26	85	85	86	83	80	79	81	75	78	81	70	81	83
27	77	80	85	86	86	86	86	84	84	85	88	92	93
28	100	100	100	100	98	93	89	87	77	72	66	65	65
29	86	86	85	83	83	87	85	81	78	80	83	79	72
30	75	80	93	87	90	89	89	92	92	92	92	93	93
31	90	90	90	91	91	88	87	85	86	88	90	90	90
Mean.	89	87	88	88	88	89	88	87	86	85	86	87	86

Absolute Maximum = 100% on 5th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

179

HOURLY VALUES—*continued.*

—SATURATION = 100%.

OCTOBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum	Minimum	Date
97	97	97	97	98	94	94	97	94	89	89	96	98	89	1
89	79	84	84	90	92	92	94	94	92	90	92	98	79	2
95	97	97	97	97	97	88	97	97	96	95	91	97	81	3
82	80	87	93	97	97	97	97	96	96	96	89	97	76	4
82	83	83	83	88	94	83	88	100	97	97	91	100	82	5
86	87	87	89	89	89	93	91	92	92	93	87	94	76	6
98	98	98	99	99	99	98	98	96	96	96	97	99	93	7
97	97	97	97	96	96	96	96	96	96	96	95	97	90	8
79	76	77	80	92	92	92	93	93	91	93	88	96	75	9
90	97	94	97	97	97	97	97	97	97	97	94	99	89	10
90	90	90	92	94	94	92	93	87	87	88	94	98	87	11
96	96	96	94	94	91	87	88	81	90	67	87	96	67	12
69	69	71	67	67	68	72	78	74	69	69	72	86	64	13
63	79	80	82	81	88	90	88	90	90	88	77	90	63	14
68	70	74	75	78	85	91	94	87	85	81	80	95	68	15
78	78	80	83	86	90	92	93	93	93	93	81	93	72	16
98	98	98	99	99	99	99	97	97	97	97	97	99	94	17
96	96	96	96	96	96	96	96	95	94	93	96	98	93	18
92	94	93	94	93	94	95	96	96	96	94	89	96	80	19
100	97	93	83	77	72	84	68	83	67	68	89	100	67	20
74	73	79	65	73	79	83	83	83	83	83	81	97	73	21
87	89	92	93	94	95	97	98	98	98	98	89	98	82	22
68	70	80	62	63	62	80	76	81	79	83	76	92	58	23
74	68	67	82	75	91	84	75	90	94	93	87	100	67	24
93	93	95	87	82	83	77	79	82	84	79	85	98	75	25
83	89	87	89	91	90	86	83	80	84	76	83	91	75	26
94	94	96	97	98	99	100	100	100	100	100	91	100	77	27
64	65	66	78	82	82	83	86	86	86	86	83	100	64	28
65	73	68	84	77	77	80	77	73	84	80	80	87	65	29
96	97	97	97	97	98	98	98	98	95	90	92	98	75	30
90	88	93	93	96	96	100	96	94	96	96	91	100	85	31
86	86	87	88	88	90	90	90	90	90	89	86	96	77	Mean.

Absolute Minimum = 58% on 23rd.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date:	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	98	98	98	99	99	99	98	98	98	98	98	94	98
2	97	97	97	97	97	97	97	97	97	98	98	98	98
3	95	90	96	83	84	94	88	86	81	71	71	83	68
4	91	89	89	89	88	88	88	83	86	88	88	88	90
5	82	70	71	62	73	69	61	61	66	59	59	59	68
6	82	82	79	79	77	81	90	88	88	92	94	96	98
7	93	93	90	92	92	92	92	95	92	88	87	85	83
8	90	91	90	88	86	86	85	85	84	77	80	82	78
9	71	74	74	76	73	76	78	78	81	84	89	91	92
10	94	97	97	96	94	94	94	94	94	94	94	94	92
11	94	94	94	94	94	94	94	92	92	92	92	93	93
12	92	92	92	90	90	90	89	90	89	89	88	88	90
13	95	95	95	95	95	96	97	99	100	100	100	98	97
14	100	100	99	99	99	99	99	99	99	99	99	99	98
15	98	98	97	97	96	96	96	95	95	95	95	95	95
16	86	90	90	90	87	70	80	71	75	77	91	87	95
17	89	89	89	88	88	89	86	89	87	89	88	83	83
18	91	92	92	92	90	91	91	91	89	87	83	85	87
19	82	87	88	80	85	87	90	90	93	93	94	94	95
20	84	87	91	87	83	88	76	74	70	76	78	71	71
21	80	82	82	82	81	79	79	77	75	72	69	69	73
22	84	84	82	82	82	81	79	79	78	72	75	83	84
23	97	97	97	97	97	97	97	100	100	99	97	94	93
24	93	93	94	94	94	93	93	93	91	91	89	89	89
25	87	86	84	91	87	73	71	71	71	72	68	73	70
26	85	87	96	96	95	96	87	97	78	75	76	89	71
27	72	73	81	81	81	65	65	65	65	66	67	67	68
28	92	92	92	93	93	93	93	93	92	92	92	90	91
29	88	90	92	92	92	92	93	92	94	94	92	91	91
30	86	89	91	91	91	91	90	90	94	94	94	91	89
Mean.	89	89	90	90	88	88	87	87	86	86	86	86	86

Absolute Maximum = 100% on 2nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

181

HOURLY VALUES—*continued.*

SATURATION = 100%.

NOVEMBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean	Maximum	Minimum	Date
98	98	97	97	97	97	97	97	97	97	98	99	94	94	1
98	100	99	98	98	97	97	96	96	96	98	97	100	88	2
64	64	74	82	83	87	85	87	89	91	91	81	96	64	3
91	92	93	92	90	89	87	72	68	79	72	87	93	68	4
70	71	76	78	77	77	75	71	77	78	77	70	82	59	5
99	100	100	98	98	97	97	97	97	98	95	91	100	77	6
85	81	85	88	89	90	90	92	91	92	92	90	95	81	7
80	80	72	69	72	74	75	77	74	75	74	81	91	69	8
93	94	94	94	94	94	94	96	96	96	93	86	96	71	9
92	92	92	92	94	94	96	97	97	94	94	94	97	92	10
93	94	94	94	94	94	94	94	94	94	92	94	94	92	11
92	92	92	92	93	93	93	94	94	94	95	91	95	88	12
98	98	98	98	98	99	100	100	100	100	100	98	100	95	13
98	98	98	98	98	98	98	98	98	98	98	99	100	98	14
92	95	88	77	80	78	79	84	69	86	89	90	98	69	15
95	92	92	78	80	87	88	86	86	89	84	83	95	67	16
84	76	97	86	84	84	84	94	91	91	91	87	97	76	17
81	80	83	82	83	82	79	78	82	79	81	86	92	78	18
96	97	95	95	94	93	92	92	92	92	91	91	97	80	19
72	77	77	71	78	75	75	76	76	78	81	78	91	70	20
72	74	76	79	79	81	82	84	84	84	84	78	84	69	21
85	86	89	91	93	97	97	97	97	97	97	86	97	72	22
92	92	90	92	92	92	92	95	94	93	93	95	100	90	23
89	88	88	88	91	92	94	93	90	89	91	94	88	88	24
66	66	66	76	85	81	86	76	71	73	81	76	91	66	25
77	77	77	77	73	72	70	73	68	68	81	81	97	68	26
68	69	76	81	87	90	91	92	92	92	92	77	92	65	27
91	92	91	90	89	88	86	86	86	84	87	90	93	84	28
92	91	91	88	88	88	89	86	86	86	86	90	94	86	29
86	84	87	90	94	96	97	98	97	97	96	92	98	84	30
86	86	87	87	88	88	89	88	88	89	88	95	78	Mean.	

Absolute Minimum = 59% on 5th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	97	97	97	97	97	97	97	98	98	98	98	96	96
2	96	96	96	96	96	96	96	97	97	97	96	95	94
3	100	100	100	100	100	94	99	85	90	94	94	97	97
4	78	87	79	79	80	81	87	88	84	82	62	59	58
5	83	85	87	90	92	94	93	95	97	93	93	91	80
6	96	96	96	96	100	100	99	99	100	100	100	100	100
7	96	96	96	94	93	91	90	89	88	88	88	79	82
8	91	91	91	91	91	91	92	94	94	94	94	94	94
9	97	97	97	97	97	97	97	98	99	99	99	97	97
10	98	98	98	98	98	96	93	93	91	91	91	90	90
11	94	94	85	87	84	84	84	82	81	81	83	83	83
12	91	91	91	87	83	83	90	81	78	78	78	80	88
13	93	93	95	98	98	98	98	98	100	100	100	98	98
14	94	94	94	94	94	92	92	92	88	84	84	85	83
15	90	90	90	93	94	94	96	97	98	98	96	96	93
16	90	90	90	92	91	91	90	87	87	86	82	88	70
17	86	84	86	88	86	78	81	83	78	80	67	66	68
18	75	72	82	80	74	70	70	72	76	78	84	71	78
19	70	72	73	77	79	86	90	84	81	84	87	92	94
20	91	89	88	87	84	82	78	74	75	80	83	85	85
21	77	73	72	71	74	72	69	71	72	79	84	86	90
22	99	99	99	99	99	99	99	99	100	100	100	100	100
23	94	94	94	94	94	91	91	91	87	89	89	91	89
24	98	98	98	97	99	99	99	99	98	96	92	92	91
25	100	100	100	100	100	100	100	100	99	96	95	93	93
26	96	92	95	94	94	98	99	99	100	96	92	90	87
27	94	94	94	96	96	96	96	96	96	95	95	95	93
28	87	84	82	83	85	86	91	91	91	89	85	84	85
29	85	87	87	85	83	83	84	83	85	84	84	84	85
30	82	93	84	85	80	77	87	92	89	85	84	79	77
31	87	89	93	92	94	96	96	98	98	98	91	95	97
Mean:	90	90	90	91	90	90	91	90	90	90	89	88	88

Absolute Maximum = 100% on 2nd; etc.

## -HOURLY VALUES—continued.

-SATURATION = 100%:

DECEMBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
96	95	95	95	95	95	95	94	94	94	96	96	98	94	1
92	91	89	91	94	95	96	86	100	98	100	95	100	86	2
97	97	92	93	93	93	89	89	88	86	84	94	100	84	3
59	62	64	66	67	68	71	72	75	78	82	74	88	58	4
88	84	87	89	91	92	92	96	96	96	96	91	97	83	5
100	100	100	100	100	100	100	100	100	98	97	99	100	96	6
80	79	82	85	86	87	88	88	89	91	90	88	96	79	7
96	96	96	96	96	97	97	97	97	97	97	94	97	91	8
97	97	98	98	98	97	98	98	98	98	98	99	99	97	9
89	89	91	94	96	97	99	99	98	97	97	95	99	89	10
83	83	86	92	90	92	94	94	94	94	92	88	94	81	11
85	85	87	88	90	90	90	90	90	93	93	87	93	78	12
96	94	94	94	94	95	94	94	94	94	94	96	100	93	13
85	84	87	89	89	89	87	87	88	88	90	89	94	83	14
93	93	93	92	92	91	91	90	90	90	90	93	98	90	15
63	66	76	79	83	85	86	82	86	82	85	84	92	63	16
70	65	64	74	81	82	82	82	76	78	82	78	88	64	17
67	69	64	66	80	81	72	67	68	67	70	73	84	64	18
93	89	87	91	94	94	95	96	94	94	92	87	96	70	19
81	84	85	85	85	76	84	78	74	72	77	82	91	72	20
92	92	94	94	95	96	97	100	100	98	99	85	100	69	21
100	100	100	100	100	100	100	100	100	100	98	100	100	98	22
90	89	91	92	93	96	97	98	98	98	98	93	98	87	23
88	86	89	92	94	96	99	100	100	100	100	96	100	86	24
92	91	92	93	95	96	97	98	98	98	98	97	100	91	25
83	80	82	85	88	90	93	94	94	94	94	92	100	80	26
91	93	97	100	100	100	98	100	96	95	96	96	100	91	27
80	81	84	87	85	89	87	89	87	85	85	86	91	80	28
84	84	86	87	87	88	91	92	91	91	84	86	92	83	29
73	71	73	75	79	81	82	84	86	86	87	82	93	71	30
96	96	94	94	90	94	93	92	92	92	95	94	98	87	31
88	86	87	89	90	91	91	91	91	90	91	90	96	82	Mean.

Absolute Minimum = 58% on 4th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Dite.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	90	90	96	92	95	96	96	97	97	96	95	94
2	94	94	94	94	94	94	95	96	97	96	94	91	91
3	83	86	85	90	87	88	88	88	88	88	88	90	91
4	96	96	96	96	97	98	99	100	100	98	96	94	92
5	94	94	93	93	88	83	80	80	78	80	75	80	87
6	96	95	90	92	93	93	94	97	94	91	94	94	83
7	84	89	85	85	83	81	77	82	82	72	76	70	84
8	90	89	89	89	88	86	83	83	80	66	68	70	70
9	92	92	92	92	91	91	91	91	90	88	88	91	89
10	88	88	87	89	86	85	84	84	84	86	86	93	88
11	95	99	92	90	81	88	81	71	70	71	78	96	79
12	75	85	87	84	96	98	98	98	97	97	96	96	95
13	94	90	94	92	89	89	87	77	84	83	86	91	90
14	95	95	96	97	97	95	92	88	90	88	90	92	91
15	95	90	93	90	87	89	90	89	88	91	92	92	94
16	94	94	91	93	92	87	83	82	81	79	83	78	78
17	97	97	97	97	97	97	97	96	95	91	85	84	85
18	90	89	88	91	87	89	89	91	90	93	93	93	95
19	97	97	97	97	97	97	97	97	98	98	97	96	95
20	90	90	92	90	88	93	91	93	94	93	89	90	86
21	93	93	92	86	81	87	82	85	78	77	73	77	79
22	82	82	82	83	83	82	80	81	83	81	77	68	71
23	95	95	95	94	91	91	90	90	90	90	90	88	87
24	92	91	93	91	93	91	83	81	81	82	86	93	87
25	95	95	95	95	95	95	95	95	95	93	93	94	93
26	94	94	93	93	92	90	88	86	84	85	83	87	86
27	95	94	94	94	93	92	78	77	76	73	68	70	75
28	91	91	93	93	93	91	86	79	83	78	82	82	84
29	97	96	96	96	96	97	98	99	100	99	98	97	96
30	99	99	100	100	100	100	100	100	100	100	100	100	100
31	100	100	100	100	98	99	99	99	98	96	94	92	90
Mean.	92	92	92	92	91	91	89	89	88	87	87	88	87

Absolute Maximum = 100% on 4th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

185

-HOURLY VALUES—*continued.*

-SATURATION = 100%.

JANUARY, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
03	93	92	92	91	94	94	94	94	94	94	93	97	90	1
88	87	86	85	82	81	81	84	81	85	83	90	97	81	2
93	93	93	93	94	94	94	94	95	95	95	90	95	83	3
90	90	90	92	93	94	96	96	95	95	95	95	100	90	4
80	78	80	82	94	96	95	97	97	95	95	87	97	75	5
78	79	84	78	87	78	82	81	82	83	84	88	97	78	6
82	81	88	89	91	92	93	95	94	93	92	85	95	70	7
70	71	69	76	86	91	93	97	90	88	86	82	97	66	8
93	90	89	86	88	87	84	84	86	88	87	89	93	84	9
92	88	91	92	91	92	95	89	94	92	94	89	95	84	10
85	96	85	92	87	88	83	82	83	81	75	85	90	70	11
98	100	98	97	97	97	97	95	95	95	94	100	75	12	
91	91	93	94	94	95	96	97	97	96	95	91	97	77	13
90	90	93	95	95	95	94	94	91	92	93	93	97	88	14
05	100	95	94	94	95	96	94	97	95	91	93	100	87	15
78	78	74	78	87	92	96	97	97	97	96	87	97	74	16
78	73	74	76	82	81	81	86	89	90	90	88	97	73	17
95	95	95	96	96	97	97	97	97	97	97	93	97	87	18
94	90	91	92	93	94	95	97	95	87	86	95	98	86	19
84	81	82	85	84	91	92	98	95	94	93	90	98	81	20
70	75	72	73	76	79	79	78	80	81	82	81	93	70	21
75	76	80	83	86	90	93	95	95	95	95	83	95	68	22
85	85	85	87	89	90	91	92	93	92	95	90	95	85	23
82	80	91	90	92	95	96	96	96	96	95	90	96	80	24
94	94	94	94	95	96	96	96	96	95	94	95	96	93	25
94	94	92	94	90	95	91	90	92	94	94	90	95	83	26
78	80	82	76	80	90	91	86	91	90	94	84	95	68	27
83	84	81	87	92	94	94	95	95	95	95	88	95	78	28
97	98	97	96	97	97	98	100	99	98	98	97	100	96	29
100	100	100	100	100	100	100	100	100	100	100	100	100	99	30
92	92	87	93	88	90	85	93	85	83	90	94	100	83	31
87	87	87	88	90	92	92	93	92	92	92	90	97	81	Mean.

Absolute Minimum = 66% on 8th.

\*964--2A

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	85	82	83	90	91	87	80	80	84	85	74	91	94
2	98	98	98	98	98	98	99	99	100	100	100	100	100
3	97	97	95	95	81	79	86	86	92	95	94	82	88
4	96	96	96	97	96	96	94	95	94	94	92	90	92
5	100	100	100	100	100	100	100	100	100	100	100	100	100
6	94	93	97	98	97	98	94	93	94	94	89	89	89
7	99	99	100	100	100	100	100	100	100	92	95	91	95
8	95	95	95	96	95	92	94	90	92	87	92	89	93
9	93	93	94	95	96	97	98	100	100	99	100	100	100
10	96	97	95	94	95	94	95	95	94	94	95	93	92
11	96	94	93	95	94	93	93	91	90	86	91	87	84
12	90	95	93	91	96	95	82	90	93	95	99	85	91
13	93	86	97	93	95	89	95	95	93	95	90	94	93
14	87	97	89	84	91	77	95	86	79	79	80	100	95
15	99	99	99	99	99	99	97	97	97	97	96	96	96
16	96	95	93	93	93	93	92	92	94	94	94	96	97
17	97	97	98	98	99	99	100	100	100	100	100	100	100
18	97	97	97	97	97	97	97	97	97	97	98	98	99
19	100	100	100	100	100	100	100	100	100	98	94	95	94
20	99	99	100	100	100	100	100	100	100	100	100	100	100
21	95	94	93	93	91	90	87	86	86	84	89	85	96
22	99	97	91	96	91	86	93	86	87	85	81	79	85
23	97	100	96	98	98	81	81	81	80	81	81	81	87
24	97	97	96	96	97	97	99	99	100	98	97	96	96
25	98	98	98	98	98	98	98	97	97	97	94	96	99
26	100	100	100	100	100	100	100	100	100	100	100	100	98
27	91	91	92	95	94	95	96	86	79	76	77	80	80
28	81	90	80	84	96	95	95	93	95	94	95	93	94
Mean.	95	96	95	95	96	94	94	93	94	93	92	92	94

Absolute Maximum = 100% on 2nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

187

HOURLY VALUES—*continued.*

SATURATION = 100%.

FEBRUARY, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
93	95	95	96	97	97	97	98	98	98	98	90	98	74	1
100	100	100	100	98	97	97	98	98	98	98	99	100	97	2
95	97	98	98	97	95	92	92	93	94	95	92	98	79	3
92	95	95	97	99	99	100	100	100	100	100	96	100	90	4
100	100	100	100	100	100	99	95	94	90	94	99	100	90	5
89	96	93	94	96	97	98	98	98	98	100	95	100	89	6
96	95	96	96	96	97	97	97	97	96	96	97	100	91	7
93	92	94	91	95	90	91	91	91	92	92	92	96	87	8
100	100	100	100	99	99	98	98	99	97	97	98	100	93	9
93	97	97	99	100	100	99	100	100	98	96	96	100	92	10
93	90	90	87	95	84	97	92	94	91	99	92	99	84	11
93	100	99	98	98	96	93	93	93	93	88	93	100	82	12
86	91	73	75	76	77	78	78	78	79	95	88	98	73	13
100	95	100	100	100	100	98	98	99	99	99	93	100	77	14
96	96	97	97	97	97	97	97	97	97	97	97	99	96	15
97	98	98	97	97	97	97	96	96	96	96	95	98	92	16
100	100	100	100	97	98	98	97	97	97	98	99	100	97	17
99	100	100	100	100	100	100	100	100	100	100	98	100	97	18
94	94	94	95	95	96	97	97	97	98	99	97	100	94	19
100	100	100	100	100	100	100	100	100	100	100	100	100	99	20
96	95	96	97	97	98	100	100	100	99	99	94	100	84	21
84	85	87	88	92	92	88	88	91	95	97	89	99	79	22
89	92	83	86	90	97	95	98	97	97	97	90	100	80	23
95	94	93	95	96	97	98	98	98	98	98	97	100	93	24
100	100	100	100	100	100	100	100	100	100	100	99	100	94	25
98	97	97	98	92	90	92	91	90	91	93	97	100	90	26
75	84	72	74	73	72	82	91	90	92	99	85	99	72	27
93	95	95	95	96	96	96	96	99	99	99	93	99	80	28
94	96	94	95	95	95	95	96	97	96	97	95	99	87	Mean.

Absolute Minimum = 72% on 27th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date:	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	98	97	96	98	97	98	92	95	89	89	91	95	91
2	99	97	98	91	95	97	93	92	96	97	90	89	93
3	96	96	96	96	96	97	98	99	100	100	100	100	100
4	96	93	91	90	87	88	87	84	86	83	87	77	88
5	96	93	93	87	87	91	85	85	81	87	88	88	88
6	99	99	100	100	100	100	100	100	100	100	98	95	92
7	97	96	94	90	93	95	95	74	75	93	78	80	75
8	95	90	93	95	90	96	94	93	92	94	89	92	95
9	100	100	100	100	100	100	100	100	100	100	100	100	100
10	86	84	86	86	78	88	80	77	75	70	80	73	74
11	94	95	96	96	96	97	98	99	100	90	99	100	99
12	100	100	100	100	100	100	100	100	100	100	99	97	94
13	99	98	97	96	96	96	97	97	98	98	96	96	95
14	99	99	99	99	99	99	100	100	100	98	98	99	98
15	96	97	96	95	94	95	93	95	95	95	96	96	96
16	100	100	100	100	100	100	100	100	100	100	98	98	97
17	100	100	100	100	100	100	100	100	100	100	100	100	100
18	97	98	97	98	98	98	98	98	98	98	99	99	100
19	98	98	98	98	98	97	95	97	97	91	89	93	92
20	97	99	100	86	84	85	90	93	86	89	86	83	86
21	97	100	100	100	100	100	100	100	100	90	95	95	94
22	97	99	97	90	96	96	83	83	84	83	83	83	84
23	76	79	80	80	89	84	93	93	96	92	92	92	92
24	91	91	90	92	89	92	90	91	94	95	99	96	95
25	99	99	100	100	100	100	100	97	94	92	88	92	94
26	90	99	99	99	98	98	99	99	98	98	98	98	99
27	100	100	100	100	100	100	100	100	100	100	100	100	100
28	92	90	89	86	83	79	76	76	85	89	92	93	95
29	90	86	95	94	92	95	95	99	95	96	97	98	98
30	98	98	98	98	98	97	98	97	98	98	99	98	98
31	96	93	95	94	91	92	91	91	91	90	91	92	94
Mean.	96	96	96	95	94	95	94	94	94	94	93	93	94

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

189

—HOURLY VALUES—*continued.*

—SATURATION = 100%.

MARCH, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night,	Hourly mean.	Maximum.	Minimum.	Date,
90	94	94	92	90	100	100	97	100	100	100	95	100	89	1
90	94	86	94	96	96	96	97	93	93	94	94	99	86	2
100	100	100	100	100	100	100	100	100	100	100	99	100	96	3
83	84	86	88	91	94	96	97	96	96	94	89	97	77	4
86	87	89	91	94	94	96	97	95	96	97	90	97	81	5
90	84	87	87	90	92	94	96	95	95	90	95	100	84	6
85	75	84	80	84	84	84	90	89	87	87	87	97	74	7
98	100	100	100	100	100	100	100	99	99	99	96	100	89	8
100	100	99	98	95	90	89	88	89	84	85	97	100	84	9
80	78	81	80	81	85	89	89	91	92	93	83	93	73	10
99	100	100	100	100	100	100	100	100	100	100	99	100	94	11
90	88	90	89	89	90	90	89	91	92	93	95	100	88	12
94	94	94	95	95	96	97	98	98	98	99	96	99	94	13
97	97	98	99	99	100	100	100	100	98	98	99	100	97	14
97	98	99	99	100	100	100	100	100	100	100	97	100	93	15
97	97	96	96	97	97	97	98	98	100	100	99	100	96	16
100	100	100	100	100	100	100	100	99	96	95	100	100	95	17
100	100	99	98	99	97	98	97	97	97	98	98	100	97	18
90	92	96	92	95	98	98	97	97	98	98	95	98	89	19
85	88	87	92	93	93	86	87	100	100	100	91	100	83	20
91	91	92	94	96	95	86	88	100	96	95	96	100	86	21
85	79	98	90	90	99	98	97	97	84	81	91	99	79	22
92	97	96	96	99	99	99	98	83	88	90	90	99	76	23
98	95	98	100	100	100	97	97	98	100	100	95	100	89	24
96	95	97	96	97	99	99	100	100	99	99	97	100	88	25
99	100	99	99	98	98	98	98	97	97	97	98	100	97	26
100	100	100	98	98	98	98	97	95	94	92	99	100	92	27
96	100	83	81	92	89	86	88	90	93	83	88	100	76	28
90	95	98	97	94	92	96	97	99	99	99	95	99	86	29
98	95	98	99	98	98	98	98	98	98	98	98	99	95	30
95	94	95	94	98	97	97	97	95	96	96	94	98	90	31
93	93	94	94	96	96	96	96	96	96	95	95	99	88	Mean.

Absolute Minimum = 73% on 10th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

MACQUARIE ISLAND:

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	96	96	94	93	92	95	91	91	92	94	93	90	90
2	92	92	92	88	86	83	88	88	88	82	91	94	98
3	92	89	89	88	95	94	96	98	91	94	90	92	100
4	90	90	92	89	89	82	76	81	82	77	74	96	91
5	95	93	83	84	89	100	98	93	93	95	100	98	100
6	92	92	95	95	97	97	97	97	97	98	98	99	99
7	97	97	97	97	98	98	99	100	100	100	99	99	98
8	100	100	100	100	100	100	100	100	99	99	99	99	99
9	100	100	99	99	97	95	91	91	90	91	88	89	91
10	97	96	97	97	96	96	97	96	95	95	92	92	94
11	76	76	76	77	84	83	90	90	97	88	91	92	95
12	98	99	99	100	100	100	100	100	100	100	100	100	100
13	90	93	85	90	96	93	96	95	94	92	87	92	98
14	100	100	100	100	100	100	97	97	97	95	91	99	91
15	97	97	99	98	99	99	100	100	100	100	100	100	100
16	100	100	94	89	86	81	81	85	83	80	84	88	79
17	97	96	96	97	96	96	96	88	95	94	96	93	87
18	98	98	98	99	99	99	99	99	100	100	100	100	100
19	75	90	78	78	90	84	90	85	84	85	79	87	89
20	98	98	97	96	95	95	95	85	87	96	85	85	83
21	98	98	98	98	98	98	98	98	98	98	98	98	98
22	98	96	97	98	98	98	98	98	98	98	94	94	98
23	100	100	100	100	100	97	97	97	94	96	96	94	96
24	98	99	97	95	98	98	97	96	94	91	89	89	89
25	94	98	99	98	92	90	92	95	93	94	95	97	94
26	100	99	100	98	99	99	98	97	97	97	98	98	99
27	100	100	100	99	99	99	98	98	98	98	98	98	97
28	95	94	94	94	94	96	93	92	90	93	91	84	86
29	92	84	95	94	82	88	85	88	95	100	88	89	76
30	84	84	87	88	82	88	88	94	96	94	96	94	96
Mean.	95	95	94	94	94	94	94	94	94	94	93	94	94

Absolute Maximum = 100% on 2nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

191

HOURLY VALUES—*continued.*

SATURATION = 100%.

APRIL, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum.	Minimum.	Date.
92	94	90	90	95	89	88	90	92	92	88	92	96	88	1
99	100	100	99	97	93	90	93	91	95	93	92	100	82	2
99	98	99	93	90	96	93	93	93	93	91	94	100	88	3
92	96	82	90	76	91	90	95	92	97	94	88	97	74	4
100	100	97	98	97	99	98	97	98	98	98	96	100	83	5
100	100	99	100	99	99	98	97	97	96	96	97	100	92	6
98	100	100	100	100	100	100	100	100	100	100	99	100	97	7
99	99	99	99	99	99	99	100	100	100	100	100	100	99	8
93	99	100	99	98	98	98	98	98	98	97	96	100	88	9
91	91	91	94	94	94	94	93	92	92	82	94	97	82	10
95	97	97	97	97	98	97	98	98	98	94	90	98	76	11
96	95	98	92	100	98	98	96	97	94	95	98	100	92	12
100	100	99	94	95	92	88	93	78	83	99	93	100	78	13
95	96	94	95	91	96	92	97	97	98	96	96	100	91	14
100	100	100	100	99	100	100	100	100	100	99	100	97	97	15
79	93	85	92	94	94	96	97	94	97	96	90	100	79	16
93	97	97	97	97	97	97	98	98	98	98	96	98	87	17
99	98	97	94	95	88	81	83	90	72	77	95	100	72	18
94	96	97	98	98	96	96	98	97	97	97	90	98	75	19
85	91	90	92	97	98	99	98	98	98	98	93	99	83	20
98	98	98	98	98	98	97	98	99	99	98	98	99	97	21
98	97	98	99	99	100	100	97	94	93	100	97	100	93	22
94	94	95	95	94	93	91	96	96	100	100	96	100	91	23
90	92	92	92	90	94	92	94	96	95	97	94	99	89	24
97	97	96	100	100	100	100	100	100	100	100	97	100	90	25
99	100	100	100	100	100	100	100	100	100	100	99	100	97	26
97	98	98	99	99	100	100	100	97	94	100	97	100	97	27
88	90	93	96	93	97	93	98	92	97	96	93	98	84	28
73	92	91	94	96	99	83	79	80	86	84	88	100	73	29
94	97	98	99	98	97	95	95	95	96	95	93	99	82	30
94	97	96	96	96	96	95	96	95	95	95	95	99	87	Mean.

Absolute Minimum = 72% on 18th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon	1 p.m.
1	90	90	89	99	91	100	95	100	96	86	85	87	84
2	92	87	91	89	96	91	85	91	94	95	94	91	98
3	100	100	100	100	100	100	98	97	97	97	95	94	93
4	96	95	95	95	95	95	95	95	95	95	95	94	95
5	96	95	95	94	93	92	92	88	84	85	84	85	91
6	85	79	76	78	87	95	98	84	90	84	79	78	77
7	96	95	94	93	91	86	91	92	88	86	88	85	94
8	89	96	96	95	96	97	97	96	98	97	97	97	98
9	95	85	90	76	92	88	80	81	84	82	80	79	78
10	95	80	79	78	80	78	79	77	78	78	82	82	86
11	95	96	97	98	98	100	99	100	100	100	98	97	96
12	96	96	95	95	91	93	93	94	88	86	85	86	92
13	82	83	90	96	95	97	100	83	82	83	89	80	100
14	99	99	98	93	92	96	93	99	97	94	91	95	94
15	77	78	80	85	97	94	90	85	79	81	87	93	95
16	97	97	97	97	97	97	96	97	98	97	98	98	96
17	86	85	85	87	90	98	94	91	88	72	77	80	83
18	96	95	96	95	95	92	97	94	96	94	95	93	94
19	87	88	90	89	88	85	84	83	82	81	83	79	82
20	78	79	81	83	93	88	86	85	93	91	95	84	90
21	85	81	91	91	99	100	100	98	94	91	79	75	72
22	96	96	96	96	96	96	96	96	98	96	91	89	87
23	96	95	93	96	96	93	94	91	85	86	89	87	94
24	97	97	97	97	97	97	97	97	98	97	97	97	97
25	96	96	96	95	95	95	95	95	96	96	96	96	96
26	96	96	96	98	98	98	98	98	98	98	98	98	98
27	95	95	95	95	95	95	95	95	97	94	94	94	95
28	90	86	85	72	91	77	80	88	86	75	71	75	65
29	61	66	63	72	77	86	91	92	93	92	92	91	90
30	79	89	80	80	92	83	85	86	89	88	85	93	96
31	79	83	90	90	92	95	96	97	98	99	99	98	98
Mean.	90	90	90	90	93	93	93	92	92	90	89	89	90

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

198

HOURLY VALUES—*continued.*

SATURATION = 100%.

MAY, 1913:

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean?	Maximum.	Minimum.	Date.
88	88	85	94	81	78	89	96	85	90	90	90	100	78	1
100	96	100	98	96	94	93	97	100	100	100	94	100	85	2
90	95	95	96	97	98	99	100	99	98	97	97	100	90	3
97	100	100	100	100	100	100	100	99	98	97	97	100	94	4
84	85	100	87	98	93	81	83	76	76	78	88	100	76	5
78	83	82	77	87	98	99	100	99	98	97	87	100	76	6
90	95	94	100	100	100	100	100	99	98	95	94	100	85	7
98	98	98	97	98	95	91	91	87	97	90	95	98	87	8
98	76	95	78	76	76	82	93	94	80	90	85	95	76	9
92	84	88	89	91	89	89	87	85	94	91	85	95	77	10
96	97	95	95	94	94	95	97	95	95	95	97	100	94	11
90	88	88	88	91	81	84	88	89	90	83	90	96	81	12
100	98	97	97	97	98	98	98	98	98	99	93	100	80	13
90	93	92	92	95	92	92	93	84	88	89	94	99	84	14
97	91	93	94	96	96	96	98	98	98	98	90	98	77	15
95	93	94	96	94	88	84	80	84	88	97	94	98	80	16
86	86	83	84	93	98	98	97	96	97	97	89	98	72	17
97	100	100	98	93	91	91	91	91	91	90	95	100	90	18
70	83	82	86	83	90	84	79	80	75	79	84	90	75	19
80	95	99	99	95	93	89	92	84	86	83	89	99	78	20
69	65	70	76	80	82	86	93	95	96	97	86	100	65	21
85	78	76	82	83	90	91	93	96	87	86	91	98	76	22
95	96	96	96	97	97	98	97	97	97	97	94	98	85	23
97	99	98	97	97	97	97	98	97	97	97	97	99	97	24
96	94	96	96	96	96	96	96	96	96	96	96	96	94	25
98	97	98	98	98	98	98	98	97	96	95	97	98	95	26
96	97	97	97	97	96	92	94	88	90	93	95	97	88	27
80	81	79	75	65	63	64	77	80	75	57	77	91	57	28
84	86	88	89	76	79	74	71	70	71	75	80	93	61	29
97	97	96	95	93	93	90	83	87	75	76	88	97	75	30
97	97	97	96	93	92	91	88	83	83	84	92	99	79	31
91	91	92	92	91	91	91	93	91	90	91	98	81	Mean.	

Absolute Minimum = 57% on 28th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	78	85	82	79	83	87	91	92	84	86	85	95	96
2	97	97	97	97	98	98	98	98	98	98	98	98	99
3	88	87	82	82	82	79	75	70	77	81	82	91	92
4	95	94	93	94	95	95	94	95	97	96	95	95	95
5	93	94	94	94	94	94	92	90	89	86	89	87	88
6	91	90	90	86	95	97	96	97	97	96	91	88	89
7	94	94	94	94	94	94	94	94	90	91	92	91	96
8	85	85	84	84	92	89	79	95	85	90	80	94	95
9	75	80	84	86	85	90	92	93	93	93	94	95	95
10	90	91	92	92	93	95	95	95	96	96	96	96	96
11	96	96	95	95	95	95	95	95	93	93	91	88	76
12	92	93	95	95	95	95	95	95	95	94	95	94	95
13	95	94	93	94	94	94	94	94	89	88	86	88	90
14	75	76	79	77	86	88	94	94	93	94	95	95	95
15	80	84	84	78	70	66	66	65	43	62	58	65	67
16	86	85	81	67	60	74	79	78	78	84	73	83	75
17	87	87	87	87	89	89	80	90	90	88	92	84	94
18	65	58	58	65	84	82	68	67	66	63	67	75	70
19	87	92	92	92	92	92	91	90	89	88	87	88	89
20	90	86	92	92	87	91	92	90	88	92	90	90	90
21	94	92	88	91	92	92	89	85	82	84	84	88	88
22	93	93	94	94	95	95	95	96	96	97	97	97	96
23	98	98	98	98	98	98	98	98	98	98	98	98	98
24	98	98	98	98	97	97	96	95	94	94	94	94	95
25	97	97	97	97	97	97	97	97	97	97	97	97	97
26	97	97	97	97	97	97	97	97	98	97	97	97	97
27	96	96	95	95	95	96	96	96	97	97	97	98	98
28	85	90	91	84	88	90	94	96	97	97	97	97	97
29	96	96	96	96	96	96	96	96	96	96	96	97	97
30	96	96	96	93	90	92	94	94	81	80	75	76	73
Mean.	89	90	90	89	90	91	91	91	89	90	89	91	91

Absolute Maximum = 99% on 2nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

195

## HOURLY VALUES—continued.

SATURATION = 100%.

JUNE, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
97	97	97	97	97	97	97	97	96	96	91	97	78	1	
99	99	99	98	97	97	93	92	91	90	89	97	89	2	
94	94	92	93	93	95	93	93	93	94	94	87	95	70	3
93	92	93	94	94	94	94	93	92	93	94	94	97	92	4
89	86	87	87	78	78	78	77	80	80	86	88	94	77	5
89	88	89	89	92	93	94	95	95	94	94	92	97	86	6
93	94	92	87	95	90	91	91	90	89	85	92	96	85	7
93	94	92	91	90	88	79	74	77	79	77	86	95	74	8
94	94	94	94	94	94	94	92	94	92	91	91	95	75	9
96	95	94	93	92	93	95	97	96	96	96	94	97	90	10
73	68	67	73	77	74	73	71	74	82	88	84	96	68	11
95	94	94	95	96	96	96	96	96	95	95	95	96	92	12
87	86	91	91	89	93	92	85	80	76	75	89	95	75	13
95	94	95	92	91	93	84	75	80	80	85	88	95	75	14
68	71	85	79	85	81	86	82	89	67	60	73	89	43	15
72	95	95	93	92	81	80	84	84	85	87	81	95	60	16
94	81	84	86	86	70	79	67	72	78	76	85	94	67	17
67	75	80	81	83	87	76	78	80	78	81	73	87	58	18
87	87	86	82	83	90	96	98	97	96	95	90	98	82	19
92	88	86	93	95	96	97	98	97	96	95	92	98	86	20
89	88	90	90	91	91	91	92	92	92	92	89	94	82	21
98	98	98	99	98	97	97	97	97	97	97	96	99	93	22
98	98	98	98	98	98	98	98	98	98	98	98	98	98	23
95	96	97	97	97	97	97	97	97	97	97	96	94	98	24
97	96	96	96	96	95	95	95	95	96	96	96	97	95	25
97	97	97	97	97	97	96	95	96	97	97	97	98	95	26
98	98	98	98	98	99	99	99	99	98	83	97	99	83	27
97	97	97	97	97	97	97	97	97	97	97	94	97	84	28
97	98	97	97	97	97	97	95	96	96	96	96	98	95	29
74	75	76	76	84	81	76	75	73	79	80	83	96	73	30
90	90	91	91	92	91	90	89	90	90	89	90	96	81	Mean.

Absolute Minimum = 43% on 15th.

Table III.—RELATIVE HUMIDITY.

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m..
1	82	83	83	84	87	88	90	90	90	90	88	90	90
2	97	97	97	97	97	97	97	97	97	97	97	97	97
3	79	82	84	92	92	93	92	92	91	93	94	95	97
4	93	83	95	94	94	95	78	88	82	87	78	78	83
5	84	84	76	88	92	91	91	90	87	86	88	94	97
6	100	100	100	96	87	90	91	85	84	88	92	92	93
7	98	98	98	98	98	98	98	98	98	97	94	94	94
8	88	94	94	91	94	97	98	97	96	93	80	78	76
9	82	83	92	80	84	85	76	75	73	76	86	94	93
10	94	95	96	97	97	97	97	96	94	93	92	95	93
11	...	...	...	...	...	...	...	...	98	...	...	...	...
12	89	91	91	91	85	90	88	94	91	84	87	87	90
13	91	92	92	92	92	92	93	94	94	94	94	95	96
14	96	94	93	92	87	84	93	92	88	88	87	86	84
15	90	92	88	87	91	92	86	74	72	72	72	72	68
16	84	85	86	87	89	88	89	89	89	90	89	90	91
17	97	98	98	99	99	98	97	99	100	100	100	100	100
18	100	100	100	100	100	100	99	98	98	98	98	98	98
19	100	100	99	99	99	99	98	98	97	98	99	100	100
20	94	94	94	93	92	90	86	80	81	80	74	72	73
21	80	79	77	78	80	80	81	78	76	73	69	71	73
22	94	94	95	95	95	95	95	95	96	96	97	97	97
23	80	75	67	77	66	69	64	66	70	64	70	70	72
24	92	87	79	82	75	75	70	76	73	80	90	90	80
25	94	91	85	92	83	77	70	70	76	70	70	80	70
26	69	70	71	74	73	74	73	73	75	74	75	83	94
27	95	94	94	94	93	90	82	85	89	93	94	91	92
28	79	80	76	78	97	98	98	99	99	98	97	96	94
29	98	97	98	97	96	96	96	96	96	96	96	96	96
30	96	95	94	95	95	94	94	94	95	95	96	96	97
31	98	97	97	97	96	96	96	96	96	96	97	97	98
Mean.	90	90	89	90	90	90	88	88	88	88	88	88	89

Absolute Maximum = 100% on 5th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

197

—HOURLY VALUES—*continued*:

—SATURATION = 100%.

JULY, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
91	93	92	95	93	94	96	96	95	97	97	90	97	82	1
98	94	93	89	92	80	83	77	80	77	90	92	98	77	2
97	96	96	90	90	81	82	89	90	91	92	90	97	79	3
81	73	74	80	87	91	83	85	72	95	93	85	95	72	4
98	100	100	100	100	100	100	100	100	100	96	93	100	76	5
92	92	92	95	96	96	96	97	97	97	97	94	100	84	6
87	84	88	85	84	83	82	86	88	88	84	92	98	82	7
73	72	80	90	91	85	93	87	92	92	87	88	98	72	8
91	92	93	88	95	92	94	93	95	92	94	87	95	73	9
88	89	90	92	92	95	96	96	...	...	...	...	...	...	10
...	100	...	...	...	...	...	89	91	89	91	...	...	...	11
92	89	92	92	91	91	92	93	91	90	91	90	94	84	12
96	98	97	97	95	96	96	97	95	82	92	94	98	82	13
86	77	78	76	82	84	87	90	87	88	90	87	96	76	14
67	69	72	74	77	78	80	78	79	82	83	79	92	67	15
91	92	92	92	91	91	91	92	92	93	94	90	94	84	16
100	100	100	100	100	100	100	100	100	100	100	99	100	97	17
98	98	99	99	99	100	100	100	100	100	100	99	100	98	18
94	97	97	98	98	99	98	97	96	97	94	98	100	94	19
74	75	75	76	77	77	76	78	78	81	81	82	94	72	20
78	83	91	91	90	89	87	88	89	91	92	82	92	69	21
97	97	94	94	94	77	73	69	69	74	67	90	97	67	22
86	85	84	84	81	88	89	92	84	90	94	78	94	64	23
84	78	80	83	71	70	70	72	75	80	80	79	92	70	24
67	67	67	67	67	67	66	66	70	69	67	74	94	66	25
96	97	97	98	98	98	98	100	98	97	96	85	100	69	26
93	90	83	93	94	95	85	83	82	80	81	90	95	80	27
84	81	76	77	82	87	93	90	93	96	97	89	99	76	28
97	97	98	98	97	97	97	97	97	97	97	97	98	96	29
97	97	97	97	98	98	99	99	99	98	98	96	99	94	30
98	98	97	96	95	95	94	94	91	87	92	96	98	87	31
89	88	89	89	90	89	89	89	89	90	90	89	96	79	Mean.

Absolute Minimum = 64% on 23rd.]

Table III.—RELATIVE HUMIDITY.

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	93	93	94	94	94	94	94	94	97	97	97	96	96
2	94	89	89	88	90	89	90	92	92	90	87	85	86
3	95	94	94	94	94	93	91	89	86	83	79	82	82
4	92	92	92	93	92	92	93	93	91	91	91	92	93
5	96	96	96	97	97	95	93	91	86	86	87	86	87
6	86	87	89	90	91	93	94	95	97	97	98	98	98
7	97	97	97	97	97	96	96	97	97	96	95	95	95
8	95	95	95	96	96	96	96	97	97	96	95	90	89
9	95	96	97	97	97	97	97	97	98	98	98	100	100
10	99	99	98	98	98	98	98	98	98	98	98	98	98
11	94	94	94	94	94	94	94	94	94	94	94	94	96
12	88	93	91	82	80	85	78	85	83	81	80	81	78
13	84	85	86	86	87	92	92	92	92	93	93	93	93
14	89	90	91	90	91	91	92	92	91	92	92	92	92
15	92	94	94	94	94	94	94	95	96	95	94	94	95
16	89	89	90	89	85	87	90	87	90	89	90	90	91
17	92	92	91	93	92	93	94	96	97	98	98	94	95
18	96	96	96	97	97	98	98	100	100	99	98	98	97
19	99	98	98	97	97	97	98	98	100	99	98	99	99
20	100	100	99	99	99	99	99	99	99	99	98	98	98
21	98	98	97	97	97	97	97	97	98	97	96	96	90
22	79	77	75	75	76	75	76	80	81	82	83	83	77
23	77	78	80	83	83	85	85	85	88	91	91	87	80
24	97	99	98	86	81	76	76	78	79	77	74	75	76
25	86	90	91	94	93	92	92	91	89	91	91	91	91
26	95	95	95	95	95	95	94	93	93	93	93	91	93
27	96	96	97	97	97	97	97	97	97	97	95	94	94
28	92	94	94	94	93	92	91	90	83	77	84	88	85
29	99	99	99	99	98	98	98	97	97	97	98	99	99
30	98	98	98	98	97	97	96	95	94	92	92	91	90
31	76	78	78	75	78	75	74	76	75	73	73	69	68
Mean.	92	93	93	92	92	92	92	92	93	92	91	91	90

Absolute Maximum = 100% on 7th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

199

HOURLY VALUES—*continued.*

—SATURATION = 100%.

AUGUST, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
95	94	94	94	95	95	97	98	97	96	95	95	98	93	1
87	88	91	93	96	98	98	98	98	96	95	92	98	85	2
92	87	88	89	91	93	95	96	96	95	93	90	96	79	3
93	93	94	94	94	93	93	95	95	95	93	93	95	91	4
89	84	84	86	85	82	76	77	78	80	83	88	97	76	5
98	98	98	98	97	97	97	97	97	97	97	95	98	86	6
97	99	98	97	95	96	98	100	100	99	96	97	100	95	7
88	87	85	87	88	92	92	94	95	94	94	93	97	85	8
100	100	99	99	99	99	99	99	99	99	99	98	100	95	9
98	98	98	97	93	92	92	93	94	93	94	97	99	92	10
97	98	98	98	97	97	96	96	96	92	90	95	98	90	11
79	78	75	79	79	80	82	84	84	84	82	82	93	75	12
90	85	82	82	80	81	83	85	87	88	90	87	93	80	13
91	93	91	91	91	91	92	93	94	94	93	92	94	89	14
94	93	93	93	90	87	87	88	89	89	88	92	96	87	15
91	92	91	91	91	92	92	91	90	92	90	90	92	85	16
95	95	95	96	96	96	96	96	96	96	96	95	98	91	17
97	97	98	98	99	99	100	100	100	100	100	98	100	96	18
100	100	100	100	100	100	100	98	100	100	100	99	100	97	19
98	97	97	98	98	99	98	98	98	98	98	98	100	97	20
84	83	85	78	77	77	80	77	79	77	80	98	77	21	
75	78	76	75	76	78	76	83	74	75	76	78	83	74	22
75	78	77	78	79	77	81	80	80	81	82	82	91	75	23
75	77	83	83	85	85	85	88	91	87	87	83	99	74	24
92	94	95	95	96	96	96	97	97	97	97	93	97	86	25
96	97	97	98	98	97	96	96	96	96	96	95	98	91	26
95	96	95	95	95	95	96	97	96	92	90	96	97	90	27
92	90	88	88	90	95	98	99	99	99	99	91	99	77	28
90	100	100	100	99	99	99	99	99	99	99	99	100	97	29
86	81	76	79	80	73	78	83	82	83	84	89	98	73	30
65	75	75	72	73	81	82	83	83	82	91	76	91	65	31
90	91	90	90	90	91	91	93	92	92	92	92	96	85	Mean.

Absolute Minimum = 65% on 31st.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

MACQUARIE ISLAND.

EXPRESSED IN PERCENTAGES

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	90	97	89	88	86	88	89	90	95	96	97	98	98
2	86	81	78	80	77	85	66	67	76	86	85	87	88
3	86	97	99	100	100	91	95	99	89	96	89	83	87
4	92	92	92	92	92	93	93	93	93	94	95	96	97
5	81	88	92	99	93	91	96	93	84	87	86	75	84
6	83	89	93	93	94	96	95	94	96	97	96	93	94
7	95	98	99	99	95	99	99	98	97	94	92	89	88
8	89	97	98	92	90	84	84	83	83	81	83	80	77
9	82	78	79	85	89	87	86	82	81	81	80	80	81
10	91	92	92	92	92	92	94	95	96	95	93	89	90
11	66	66	70	76	68	67	70	72	69	83	83	80	78
12	93	90	94	94	95	97	92	85	87	86	79	80	77
13	77	76	85	90	88	87	87	85	83	82	80	82	81
14	85	84	84	82	81	81	80	80	80	80	80	79	79
15	98	98	98	98	99	99	99	99	99	99	99	99	98
16	98	98	98	98	98	98	98	98	94	92	89	85	86
17	85	86	88	90	90	95	95	98	98	98	98	99	99
18	94	92	93	94	95	98	99	99	98	89	95	95	94
19	97	97	98	98	98	97	97	97	97	97	97	97	97
20	98	98	97	96	92	93	92	97	97	97	96	95	94
21	100	99	99	98	98	98	97	97	97	97	96	96	98
22	90	89	94	86	83	85	93	87	91	92	91	95	94
23	98	98	98	97	97	97	97	97	97	97	97	97	97
24	100	100	99	99	99	99	100	100	100	100	100	100	99
25	98	98	98	98	99	99	99	99	99	99	100	100	100
26	97	98	98	98	99	99	99	100	100	100	99	99	98
27	99	99	98	98	98	97	96	96	95	95	91	88	86
28	91	92	94	95	96	100	99	97	96	97	100	100	98
29	100	98	96	92	89	86	84	83	82	83	86	92	92
30	71	77	72	71	73	73	77	78	82	98	89	89	92
Mean.	90	91	92	92	91	92	92	91	92	92	91	91	91

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

201

HOURLY VALUES—*continued.*SEPTEMBER, 1913.  
—SATURATION = 100%.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
99	100	100	94	86	88	84	88	86	80	88	91	100	80	1
86	89	89	99	100	100	94	88	87	87	88	85	100	66	2
87	89	94	99	100	100	100	97	97	96	94	94	100	83	3
98	100	100	98	98	98	97	96	92	89	83	95	100	83	4
68	72	70	69	68	69	71	77	79	84	87	82	99	68	5
93	93	94	95	95	95	98	98	96	91	96	94	98	83	6
87	92	88	89	88	89	92	93	93	94	91	93	99	87	7
78	84	89	88	86	85	83	80	79	80	82	85	98	77	8
90	94	93	93	92	93	92	92	91	91	91	87	94	78	9
90	90	89	86	78	78	82	85	75	70	75	88	96	70	10
88	93	93	94	94	95	96	98	94	89	94	82	98	66	11
76	70	72	71	74	71	72	74	74	76	78	82	97	70	12
85	85	88	90	95	96	97	93	92	92	92	87	97	76	13
79	78	79	81	83	88	87	90	93	94	94	83	94	78	14
98	98	98	98	98	98	98	98	98	98	98	98	99	98	15
83	83	83	84	85	85	85	86	86	86	86	90	98	83	16
100	100	99	98	95	88	87	86	88	90	92	93	100	85	17
94	91	93	93	93	94	94	95	95	95	96	95	99	89	18
97	97	98	98	98	98	98	98	98	99	99	98	99	97	19
93	91	90	90	92	94	95	97	99	100	100	95	100	90	20
99	100	100	100	98	96	95	93	92	83	83	97	100	83	21
95	97	99	98	98	98	98	97	97	98	98	93	99	83	22
97	98	98	98	98	99	99	100	100	100	100	98	100	97	23
99	98	98	98	98	98	98	98	98	98	98	99	100	98	24
100	100	100	99	99	99	98	98	98	98	98	99	100	98	25
98	98	98	98	99	99	99	100	100	99	99	99	100	97	26
89	89	91	82	86	90	90	89	85	86	87	92	99	82	27
97	96	94	84	85	87	90	91	93	96	99	94	100	84	28
92	92	92	87	80	77	74	73	73	78	75	86	100	73	29
96	95	96	97	98	98	98	98	99	99	100	88	100	71	30
91	93	92	91	91	91	91	93	91	91	91	91	99	82	Mean

Absolute Minimum = 66% on 2nd, etc.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	99	99	99	96	94	93	81	79	85	100	92	100	98
2	83	84	82	88	83	73	82	80	75	73	68	69	82
3	100	100	99	98	97	96	96	95	94	94	94	94	94
4	100	100	100	100	100	100	100	100	99	99	99	98	98
5	97	97	97	97	97	97	96	96	96	96	96	96	96
6	98	98	99	99	99	99	99	99	99	99	100	100	99
7	98	98	98	97	97	97	97	97	97	97	97	97	97
8	96	97	97	98	99	100	100	90	88	94	99	98	98
9	75	75	76	77	84	96	95	94	93	93	94	94	95
10	100	100	100	100	100	100	100	99	98	99	100	100	100
11	97	98	99	100	95	97	99	93	91	92	91	88	85
12	100	100	100	100	100	100	99	98	97	97	97	97	98
13	98	98	98	98	98	98	98	98	98	98	98	98	98
14	99	100	100	100	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	99	98	99	100	100	100
16	100	100	100	100	100	100	99	98	97	98	99	100	100
17	91	92	92	91	81	76	76	84	92	93	94	98	94
18	100	98	97	98	95	94	90	85	81	77	73	88	86
19	99	99	99	99	96	93	90	95	92	95	92	95	98
20	98	98	99	99	100	100	100	100	100	100	100	100	97
21	90	87	93	93	94	100	99	98	97	97	96	96	95
22	90	90	87	89	89	79	73	77	79	73	74	86	90
23	100	100	100	100	100	100	103	100	97	97	99	99	100
24	87	82	79	71	81	76	76	74	78	80	87	86	85
25	96	98	100	100	99	96	100	95	89	85	84	94	92
26	85	90	89	83	83	85	84	84	70	80	75	75	86
27	94	93	88	84	90	90	89	84	81	81	86	83	83
28	97	97	93	92	94	92	95	92	91	89	88	87	88
29	75	70	74	75	77	71	74	83	80	79	84	83	83
30	94	93	94	95	91	91	90	89	89	91	92	92	93
31	99	100	100	99	95	92	90	93	98	95	98	98	99
Mean.	95	95	94	94	94	93	92	92	92	92	92	93	94

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

203

—HOURLY VALUES—*continued.*

—SATURATION = 100%.

OCTOBER, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum.	Minimum.	Date.
94	93	86	99	100	97	85	82	89	88	88	93	100	79	1
80	80	70	78	81	84	85	86	90	97	100	81	100	68	2
94	94	95	96	97	98	99	100	100	100	100	97	100	94	3
97	97	97	97	98	98	98	98	98	98	98	99	100	97	4
96	96	96	96	97	97	98	98	98	98	98	96	98	96	5
98	98	98	98	98	98	98	98	98	98	98	99	100	98	6
95	94	95	96	97	97	97	97	97	97	97	96	98	94	7
95	94	93	95	97	99	97	94	80	76	75	94	100	75	8
95	96	96	97	97	98	99	100	100	100	100	92	100	75	9
100	100	99	98	97	96	95	93	95	95	96	98	100	93	10
82	81	80	85	87	89	91	94	98	97	99	92	100	80	11
98	98	98	97	97	96	96	95	96	96	97	98	100	95	12
99	99	99	99	99	99	98	97	98	99	99	98	99	97	13
100	99	98	97	98	99	100	100	99	98	98	99	100	97	14
99	98	99	100	100	100	99	99	100	100	100	99	100	98	15
100	100	97	95	93	92	91	90	91	91	91	97	100	90	16
95	93	96	100	100	99	90	90	90	95	98	91	100	76	17
93	100	100	100	100	97	94	94	97	98	99	93	100	73	18
92	80	93	93	92	95	98	96	98	100	100	95	100	89	19
95	94	97	96	96	93	94	86	88	95	88	96	100	86	20
93	91	92	93	94	95	96	93	93	92	92	94	100	87	21
93	97	97	97	97	97	97	98	98	99	100	89	100	73	22
98	97	92	93	89	94	90	89	92	82	82	96	100	82	23
85	86	86	87	85	87	90	93	89	91	95	84	95	71	24
90	97	99	95	97	96	95	93	93	84	85	94	100	84	25
93	97	87	95	100	100	100	100	97	95	96	88	100	70	26
83	83	84	92	93	96	97	97	97	97	97	89	97	81	27
90	79	72	72	68	69	70	81	71	71	90	85	97	68	28
85	87	90	88	92	94	90	89	89	92	96	83	96	70	29
94	94	95	95	94	94	94	95	96	97	98	93	98	89	30
100	100	100	100	100	100	100	100	100	100	100	98	100	90	31
94	94	93	94	95	95	94	94	94	94	95	94	99	84	Mean

Absolute Minimum = 68% on 2nd, etc.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	100	100	100	100	100	100	100	100	100	100	100	100	99
2	94	93	92	91	90	89	85	83	81	83	78	77	89
3	90	90	90	89	91	91	92	91	89	90	87	87	86
4	97	97	97	97	96	96	97	97	93	96	93	93	92
5	94	93	93	92	92	92	87	85	85	88	86	86	85
6	91	91	91	92	93	94	96	98	99	99	99	99	99
7	98	97	96	95	94	93	91	90	88	88	89	90	89
8	95	97	98	98	100	96	95	94	93	95	97	97	97
9	94	95	96	97	98	99	100	100	96	99	100	100	100
10	100	100	100	98	97	95	93	90	84	97	92	87	84
11	98	100	76	83	72	72	70	70	67	75	77	81	83
12	83	84	85	84	87	90	88	92	90	87	88	88	90
13	97	100	100	100	99	99	98	97	96	97	98	97	97
14	100	100	100	100	99	98	97	97	98	99	100	100	99
15	100	100	100	100	100	100	99	99	99	99	100	100	100
16	100	100	100	100	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100	98	89	82	78
18	97	97	95	92	88	86	90	93	92	98	92	90	95
19	95	93	93	95	92	91	92	90	88	88	86	83	83
20	87	80	90	88	94	100	97	92	89	86	80	79	83
21	97	95	95	95	92	91	90	88	89	87	88	90	98
22	98	98	97	96	96	96	96	95	94	94	94	94	93
23	96	93	91	89	91	91	89	92	96	95	96	94	95
Mean.*	96	95	95	94	94	94	93	93	92	93	92	91	92

\*Records for 23 days only.

Absolute Maximum = 100% on 1st etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

205

—HOURLY VALUES—*continued.*

—SATURATION = 100%.

NOVEMBER, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
98	97	97	97	97	97	97	96	95	94	99	100	94	1	
87	88	94	94	94	95	91	88	90	90	89	95	77	2	
86	87	90	92	93	94	97	97	97	97	91	97	86	3	
91	91	91	92	92	93	93	95	96	96	95	98	91	4	
84	83	84	88	89	89	89	88	89	89	89	94	83	5	
98	98	98	99	100	100	100	100	99	98	97	100	91	6	
88	88	89	90	92	92	91	90	90	92	93	91	98	88	
97	97	95	93	89	86	91	89	91	92	93	94	100	86	
100	100	100	100	100	100	100	100	100	100	99	100	94	9	
91	93	87	88	95	85	87	91	100	90	97	93	100	84	
84	85	90	89	88	88	88	87	86	89	84	83	100	11	
91	89	90	90	90	93	92	92	93	94	95	89	95	12	
96	96	97	98	99	100	98	97	98	99	100	98	100	96	
98	97	98	99	100	100	100	100	100	100	99	100	97	14	
100	100	100	100	100	100	99	99	100	100	100	100	99	15	
100	100	100	100	100	100	100	100	100	100	100	100	100	16	
83	87	87	91	93	94	98	98	99	98	97	95	100	78	
98	99	97	87	94	88	96	98	95	91	95	94	98	18	
81	81	96	80	92	87	93	94	95	98	93	90	98	81	
82	85	85	93	90	96	95	93	94	95	97	89	100	20	
97	95	96	97	98	99	99	99	99	99	99	95	99	21	
91	90	92	92	93	93	94	94	95	96	98	94	98	22	
94	94	88	87	84	83	84	85	84	82	81	90	96	23	
92	92	93	93	94	94	94	94	95	95	94	99	87	Mean.	

Absolute Minimum = 67% on 11th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	...	...	...	...	...	...	...	...	99	99	100	99	98
2	100	100	100	100	100	100	100	100	99	99	99	99	99
3	99	99	99	99	99	99	100	100	100	99	99	99	99
4	96	92	90	86	84	80	80	76	76	76	59	81	72
5	98	98	98	98	93	95	93	92	91	90	85	85	84
6	78	83	82	83	87	87	83	80	78	86	86	83	80
7	97	98	99	99	98	99	97	99	99	97	94	83	84
8	93	94	94	95	99	99	97	96	96	90	94	89	89
9	92	93	95	96	98	98	99	99	100	100	99	100	100
10	100	100	100	100	100	99	100	100	100	99	98	97	96
11	96	94	96	94	93	94	96	93	91	91	90	91	90
12	95	96	94	93	94	96	95	95	96	94	91	88	82
13	95	98	98	99	99	99	97	100	98	97	95	85	87
14	88	89	83	91	97	98	99	99	100	100	99	99	99
15	98	99	97	99	98	98	99	96	95	95	95	93	87
16	98	99	98	97	95	92	89	85	80	84	90	92	96
17	98	98	98	98	98	98	98	98	98	97	97	97	97
18	96	93	93	93	97	98	97	96	95	97	96	94	92
19	91	92	93	96	97	95	96	96	96	96	98	98	98
20	95	90	96	95	97	95	99	94	95	94	98	98	99
21	98	94	97	95	93	90	89	88	82	82	82	80	82
22	96	95	96	97	97	97	96	95	96	96	97	97	98
23	99	99	99	99	99	99	99	99	100	100	99	99	97
24	96	97	98	98	98	98	93	89	80	85	87	93	84
25	96	96	96	94	94	94	96	94	92	94	94	94	93
26	95	95	95	96	94	90	92	91	89	90	90	85	80
27	94	90	92	90	88	87	88	86	85	82	75	84	81
28	94	91	93	92	94	93	92	92	91	92	94	96	97
29	99	99	99	99	97	90	92	94	73	73	80	89	96
30	94	93	95	96	97	97	95	94	93	93	93	90	85
31	98	99	97	98	97	98	99	99	100	100	97	97	97
Mean.	95	95	95	95	95	95	95	94	92	92	92	92	91

Absolute Maximum = 100% on 1st, etc.

## HOURLY VALUES—continued.

SATURATION = 100%.

DECEMBER, 1914.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
98	99	98	99	98	100	100	100	100	100	100	...	...	...	1
99	98	97	97	98	98	98	97	97	98	98	99	100	97	2
99	98	98	98	98	98	98	98	97	97	97	99	100	97	3
63	73	78	86	96	96	97	80	100	98	98	84	100	59	4
87	83	93	95	88	85	81	82	80	77	83	89	98	77	5
84	77	75	79	82	89	96	100	100	100	97	85	100	75	6
79	71	73	78	81	87	88	85	94	91	92	90	99	71	7
87	73	75	77	79	83	85	87	89	91	93	89	99	73	8
100	100	100	100	100	99	99	98	99	100	100	98	100	92	9
95	94	97	99	98	98	94	92	93	95	97	97	100	92	10
85	79	81	82	88	91	87	85	88	92	94	90	96	79	11
78	75	78	84	87	84	79	78	85	92	95	88	96	75	12
85	81	88	91	88	84	86	88	86	84	89	92	100	81	13
90	90	99	99	99	99	99	99	99	99	99	96	100	83	14
92	92	95	97	99	99	99	99	98	99	99	97	99	87	15
93	91	94	97	97	98	95	93	96	98	98	93	99	80	16
99	98	97	97	97	97	96	95	97	98	94	97	98	94	17
90	89	93	95	96	93	90	87	88	90	92	93	98	87	18
99	99	99	99	99	99	99	96	87	85	98	96	99	87	19
99	100	96	94	96	95	97	97	95	95	98	96	100	90	20
78	76	78	81	90	96	93	90	94	96	97	88	98	76	21
99	96	97	98	99	99	99	99	99	99	99	97	99	95	22
96	100	96	96	97	92	90	88	93	90	95	96	100	87	23
88	87	94	90	91	91	88	81	87	94	96	91	98	80	24
94	95	95	94	94	95	96	98	95	94	95	95	98	92	25
78	68	80	86	90	96	88	82	91	95	93	89	96	68	26
81	78	78	81	84	85	83	82	89	90	92	85	94	75	27
99	98	99	99	99	99	99	100	99	99	99	96	100	91	28
97	100	93	100	100	92	92	92	92	92	92	93	100	73	29
80	76	80	85	90	96	95	94	96	98	98	92	98	76	30
96	91	97	96	98	98	90	89	92	96	97	96	100	89	31
90	88	90	92	93	94	93	91	94	94	96	93	99	83	Mean.

Absolute Minimum = 59% on 4th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon	1 p.m.
1	97	97	97	98	96	97	97	97	98	98	98	98	98
2	100	100	100	100	100	100	100	100	97	94	92	90	88
3	85	92	86	85	85	85	77	87	86	80	83	80	77
4	98	98	97	90	85	84	80	75	73	72	67	67	65
5	88	90	92	92	92	93	93	93	95	94	96	96	97
6	98	97	98	99	98	97	99	98	98	96	96	96	96
7	95	92	92	92	92	92	92	90	89	89	90	90	89
8	91	91	91	82	83	82	82	80	82	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	85	...	...	...	...
13	...	...	...	...	...	...	...	...	100	100	100	100	100
14	96	95	97	90	80	75	72	76	79	73	80	64	70
15	90	92	94	92	90	86	85	70	91	91	93	80	75
16	66	70	95	88	95	92	88	90	94	85	85	80	74
17	94	94	96	98	99	96	98	99	100	100	100	95	94
18	98	97	97	97	97	97	96	96	96	96	96	96	94
19	85	96	80	60	60	71	62	76	82	85	87	77	77
20	83	86	94	94	94	96	97	99	100	99	98	97	99
21	96	97	97	98	97	96	96	97	98	98	96	95	95
22	97	97	97	97	97	97	96	95	89	...	...	...	...
23	...	...	...	...	...	...	...	...	88	...	...	...	...
24	95	95	95	92	90	88	86	88	84	92	94	94	94
25	93	92	94	93	94	94	90	88	84	88	85	82	80
26	90	91	95	96	96	93	94	92	92	93	93	96	98
27	94	94	95	96	97	95	96	98	99	98	96	95	94
28	97	97	97	97	97	97	95	95	93	94	94	94	94
29	96	96	96	96	96	96	96	96	100	100	93	89	85
30	94	95	96	92	90	88	86	86	84	84	86	86	86
31	87	89	91	93	95	94	92	92	97	96	96	95	95
Mean,*	92	93	94	93	92	91	90	90	92	91	91	88	88

\* Means for 23 days.

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

209

—HOURLY VALUES—*continued.*

—SATURATION = 100%.

JANUARY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
98	98	98	98	99	99	99	100	100	100	100	98	100	96	1
86	86	86	88	90	92	94	93	87	90	85	94	100	85	2
75	73	75	77	80	87	85	81	84	88	91	82	92	73	3
65	65	66	70	72	78	81	79	88	85	85	79	98	65	4
98	100	98	96	96	98	99	100	98	99	99	95	100	88	5
97	98	96	95	95	95	95	95	95	95	95	96	99	95	6
89	90	90	87	89	88	88	87	90	90	92	90	95	87	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
...	85	...	...	...	...	...	90	...	...	...	...	...	...	12
98	94	93	92	96	94	96	98	96	96	95	...	...	...	13
74	76	78	80	84	90	95	100	95	95	95	84	100	64	14
75	75	72	70	70	70	70	72	66	70	95	81	95	66	15
78	88	79	82	80	85	90	97	92	92	94	86	97	66	16
92	89	91	94	95	97	99	100	99	98	98	96	100	89	17
91	98	82	96	79	75	85	91	88	62	95	92	98	62	18
78	82	80	79	83	83	80	81	82	85	85	79	96	60	19
99	100	98	97	97	98	97	98	97	98	97	96	100	83	20
93	91	95	97	97	97	96	94	97	98	97	96	98	91	21
...	97	...	...	...	...	...	89	...	...	...	...	...	...	22
...	74	...	...	96	94	90	86	94	95	95	...	...	...	23
95	93	96	96	96	96	96	97	95	94	94	93	97	84	24
87	88	90	88	90	93	89	86	89	88	90	89	94	80	25
99	100	99	98	97	96	92	89	88	91	93	94	100	88	26
93	92	94	95	96	98	99	100	98	97	97	96	100	92	27
93	92	95	95	95	97	98	96	96	96	96	95	98	92	28
82	79	83	87	91	88	82	78	88	95	95	91	100	78	29
86	82	86	86	83	86	84	82	84	86	88	86	96	82	30
93	87	91	91	93	93	94	96	95	95	95	93	97	87	31
88	88	88	89	89	90	91	91	91	91	94	91	98	81	Mean

Absolute Minimum = 60% on 19th.

Table III.—RELATIVE HUMIDITY

MACQUARIE ISLAND.

EXPRESSED IN PERCENTAGES

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	96	97	96	96	96	97	98	100	100	99	93	89
2	90	90	90	90	90	90	89	89	89	90	91	90	91
3	95	94	94	96	96	96	98	98	100	98	96	95	93
4	85	84	82	83	86	86	86	88	89	92	90	90	92
5	98	98	98	97	98	98	99	98	100	100	100	100	100
6	96	96	96	96	96	96	95	97	100	100	100	99	98
7	96	96	96	97	97	97	97	97	98	98	98	96	94
8	94	94	94	94	94	94	94	92	90	93	94	93	90
9	96	96	96	96	96	96	96	96	99	96	96	96	96
10	91	90	90	87	91	94	94	95	97	96	95	94	90
11	92	92	92	92	93	90	92	92	89	90	90	91	92
12	92	92	92	92	92	93	94	95	96	95	95	95	92
13	85	85	85	85	85	85	85	83	82	83	83	85	85
14	98	98	98	98	98	98	95	91	88	92	96	98	98
15	85	85	85	85	85	85	85	85	81	85	85	85	85
16	96	96	96	96	96	96	96	96	100	99	99	99	100
17	92	92	92	87	88	90	90	90	91	90	90	90	90
18	84	92	88	90	85	90	85	90	86	85	82	82	82
19	86	90	92	94	96	96	96	98	100	99	99	99	99
20	100	100	100	100	100	99	98	99	96	100	100	90	85
21	90	90	90	90	81	82	83	84	81	85	85	86	86
22	100	100	100	98	100	100	94	88	89	88	88	88	89
23	97	96	96	95	95	95	95	92	91	92	90	92	92
24	99	98	96	96	96	96	97	95	94	96	95	93	93
25	100	100	100	100	100	100	98	96	94	95	98	98	99
26	100	100	100	100	100	100	97	99	98	98	92	92	94
27	86	86	85	83	85	87	83	85	85	84	94	92	94
28	93	93	92	93	90	90	86	86	70	83	83	82	83
Mean.	93	93	93	93	93	93	93	93	92	93	93	92	92

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY-MACQUARIE ISLAND STATION.

211

-HOURLY VALUES—*continued.*

—SATURATION = 100%.

FEBRUARY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
86	79	78	80	85	89	99	87	90	90	90	91	100	78	1
92	94	94	95	96	96	96	96	95	95	95	92	96	89	2
92	91	94	95	90	85	81	79	90	88	93	93	100	79	3
97	100	97	97	97	98	98	98	98	98	98	92	100	82	4
100	98	98	99	100	100	99	95	96	96	95	98	100	95	5
97	96	97	97	96	96	96	95	97	97	97	97	100	95	6
92	88	90	90	90	93	91	92	94	95	95	94	98	88	7
90	89	90	89	91	94	94	96	96	96	96	93	96	89	8
93	86	88	90	94	96	95	95	96	92	90	94	99	86	9
77	74	87	85	87	90	96	100	96	96	96	91	100	74	10
92	91	93	95	97	89	96	89	91	91	91	92	97	89	11
92	89	91	92	93	90	87	85	89	89	89	92	96	85	12
87	88	90	92	94	96	98	100	99	98	98	89	100	82	13
98	79	93	92	92	92	91	72	90	85	85	93	98	72	14
85	85	86	87	90	94	94	92	93	95	96	87	96	81	15
100	100	100	100	100	98	96	90	95	92	92	97	100	90	16
85	82	86	89	92	91	91	89	88	82	86	89	92	82	17
82	81	82	82	84	85	86	88	86	85	86	85	92	81	18
90	100	100	100	100	100	100	100	100	100	100	97	100	86	19
80	79	75	73	80	85	85	90	85	85	85	91	100	73	20
86	83	89	93	100	100	100	91	100	100	100	89	100	81	21
89	89	90	93	94	96	96	98	100	100	100	95	100	88	22
90	90	93	95	96	96	96	95	97	99	99	94	99	90	23
88	85	92	93	96	97	98	100	100	100	100	95	100	85	24
90	100	100	100	100	100	100	100	100	100	100	99	100	94	25
95	92	90	85	85	85	85	81	85	87	85	93	100	81	26
94	85	90	98	96	96	97	96	99	98	94	90	99	83	27
81	84	88	92	91	95	96	84	97	98	98	89	98	70	28
91	88	91	92	93	94	94	91	94	94	91	93	98	84	Mean.

Absolute Minimum = 70% on 28th.

## AUSTRALASIAN ANTARCTIC EXPEDITION:

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	98	98	98	98	99	99	99	99	98	92	89	90	88
2	94	94	94	95	96	95	95	95	92	93	94	94	90
3	97	97	97	97	97	97	97	97	91	90	90	90	90
4	90	90	89	88	90	90	88	88	83	83	88	88	90
5	96	95	90	88	82	85	86	86	84	88	90	90	90
6	90	90	88	86	88	88	88	88	86	88	90	90	90
7	94	96	96	96	95	95	95	96	98	97	97	99	98
8	90	95	96	96	95	90	88	88	86	87	87	89	90
9	97	97	97	96	97	97	98	98	99	98	95	90	95
10	82	84	87	90	93	95	99	99	99	99	99	99	95
11	85	90	85	95	85	95	85	95	91	85	95	87	95
12	87	90	92	90	94	92	90	94	85	87	96	86	97
13	80	65	75	81	77	85	75	78	84	85	90	90	64
14	80	65	85	85	78	81	75	72	87	72	85	88	83
15	97	99	95	100	99	100	100	100	93	97	96	96	96
16	94	94	90	95	90	96	97	98	91	94	96	96	96
17	85	81	88	85	80	80	80	80	87	86	85	83	89
18	99	99	99	99	97	95	95	95	100	99	99	99	99
19	95	96	96	97	97	97	97	97	98	97	97	97	97
20	98	98	98	98	98	98	92	92	90	85	83	90	95
21	55	58	53	51	63	52	60	70	74	66	70	70	75
22	100	100	100	95	85	85	87	88	90	88	94	88	95
23	100	100	100	100	100	100	99	98	100	96	96	96	96
24	96	96	96	97	97	97	97	97	100	99	98	98	98
25	95	95	96	96	96	96	96	96	100	99	98	99	99
26	99	99	99	99	99	99	99	99	98	99	99	99	98
27	93	95	91	96	96	96	96	96	91	94	96	96	98
28	94	85	75	85	86	95	92	80	93	90	90	90	82
29	92	99	95	73	81	97	97	98	94	98	92	90	81
30	93	81	60	65	93	80	98	85	84	96	96	98	99
31	76	77	87	80	90	100	90	93	97	90	99	99	99
Mean.	91	90	90	90	91	92	91	91	91	91	92	92	92

Absolute Maximum = 100 % on 14th, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

213

## -HOURLY VALUES—continued.

-SATURATION = 100 %

MARCH, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
76	81	82	90	82	88	92	88	93	93	93	92	99	76	1
90	79	96	96	99	99	98	95	97	97	97	94	99	79	2
90	91	93	92	90	92	92	92	92	92	92	93	97	90	3
90	93	92	94	95	96	97	99	96	96	96	91	99	83	4
91	92	93	92	92	92	94	89	90	90	93	90	96	82	5
90	95	93	93	93	93	94	96	95	93	92	91	96	86	6
98	99	97	97	97	98	98	99	97	98	98	97	99	94	7
92	97	96	96	94	98	98	98	98	96	96	93	98	86	8
93	89	93	90	87	89	78	84	84	80	79	92	99	78	9
85	85	82	83	88	91	99	93	90	90	90	91	99	82	10
83	80	92	82	93	80	85	86	90	90	90	88	95	80	11
92	74	70	65	70	65	85	77	71	71	80	84	96	65	12
75	91	85	95	95	95	97	75	69	65	60	81	97	60	13
88	95	100	98	93	92	88	89	96	97	94	85	100	65	14
96	95	96	96	96	90	100	97	94	96	97	100	100	90	15
97	100	95	88	93	88	86	82	90	83	73	92	100	73	16
93	95	96	96	96	96	94	97	97	97	98	89	98	80	17
99	97	98	97	95	95	95	98	95	95	95	97	100	95	18
97	100	98	98	98	98	100	98	98	98	98	97	100	95	19
97	100	98	82	75	65	70	75	70	70	65	87	100	65	20
69	74	94	95	95	94	94	85	100	100	100	75	100	51	21
95	100	100	100	100	100	100	99	100	100	100	95	100	85	22
96	97	98	99	99	98	98	94	96	96	96	98	100	94	23
98	100	98	97	97	97	97	100	99	99	99	97	100	96	24
99	98	98	99	98	98	100	99	99	99	99	98	100	95	25
96	91	90	85	90	91	90	92	89	96	95	95	99	85	26
98	94	98	98	99	100	100	89	89	86	89	95	100	86	27
90	99	98	90	80	95	80	83	98	95	98	89	99	75	28
86	62	64	75	80	84	93	83	87	87	87	87	99	62	29
99	96	95	97	99	100	100	100	100	100	95	92	100	60	30
99	83	93	93	88	89	90	93	100	90	90	91	100	76	31
92	92	93	92	92	92	93	91	92	91	91	91	99	80	Mean.

Absolute Minimum = 51% on 21st.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	96	75	89	80	83	90	92	93	98	95	99	100	100
2	90	96	95	94	95	92	90	88	87	80	95	99	92
3	62	74	80	85	100	100	100	100	100	100	98	96	90
4	90	98	99	99	98	98	99	98	96	95	95	90	70
5	75	94	87	96	90	95	95	96	95	96	96	96	97
6	96	90	73	90	95	80	64	96	86	85	90	90	66
7	95	95	95	95	95	95	95	95	100	96	96	96	96
8	96	96	96	96	96	96	96	96	100	95	95	95	97
9	97	97	97	98	97	97	97	97	100	98	98	98	97
10	97	97	97	97	82	82	83	80	88	75	77	72	72
11	76	75	77	80	81	82	82	82	89	80	85	90	95
12	97	97	97	97	97	97	97	95	100	95	96	96	97
13	95	95	95	95	95	95	95	95	98	95	95	95	95
14	95	95	90	90	92	92	80	72	82	73	74	73	74
15	80	85	85	85	85	85	85	85	84	85	85	85	85
16	77	80	90	90	90	90	98	98	100	98	98	98	98
17	98	98	98	98	98	98	98	98	96	97	90	85	78
18	95	96	96	94	95	95	92	89	94	91	95	95	95
19	98	98	98	98	98	98	98	98	99	96	96	96	96
20	95	95	92	90	85	80	80	80	85	75	60	69	60
21	80	80	80	83	90	97	70	85	82	70	50	60	45
22	60	65	66	68	88	88	88	93	91	95	96	96	97
23	94	95	95	96	96	96	96	97	98	98	98	98	98
24	95	96	93	87	89	89	...	...	78	62	90	65	63
25	95	96	93	87	89	89	90	92	89	92	95	95	95
26	83	93	92	95	88	93	90	93	93	95	95	97	97
27	93	90	74	85	88	80	85	91	93	91	91	95	94
28	85	86	92	84	80	75	62	67	69	69	74	80	75
29	96	99	97	70	80	85	90	80	86	80	85	96	95
30	70	90	95	93	96	88	92	90	86	90	91	87	80
Mean.	88	90	90	90	91	90	89	90	91	89	89	90	87

\* Mean for 28 days.

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

215

—HOURLY VALUES—*continued.*

SATURATION = 100%.

APRIL, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
100	88	95	90	80	75	68	74	90	98	90	89	100	68	1
96	91	93	97	90	94	90	79	70	65	62	89	99	62	2
92	94	95	93	85	82	80	80	85	90	99	89	100	62	3
68	78	94	85	70	75	90	89	93	71	67	88	99	68	4
97	83	97	97	97	97	97	78	97	97	97	93	97	75	5
69	95	88	75	61	70	80	97	95	95	95	84	97	61	6
96	99	96	96	96	96	96	100	96	96	96	96	100	95	7
99	100	96	95	95	95	95	100	100	97	95	97	100	95	8
98	91	97	97	97	97	97	100	97	97	97	97	100	91	9
71	86	70	70	70	73	77	75	75	75	75	80	97	70	10
93	95	95	98	95	95	97	99	95	95	97	88	99	75	11
97	100	95	95	95	95	95	100	97	95	95	97	100	95	12
95	94	95	92	93	93	92	96	92	94	95	94	98	92	13
74	94	96	95	95	90	83	89	85	80	80	85	96	73	14
85	80	76	80	80	74	74	83	78	72	72	82	85	72	15
98	100	98	98	98	98	98	97	98	98	98	94	100	77	16
80	86	80	78	75	75	75	84	75	80	85	88	98	75	17
97	96	98	98	98	98	98	100	98	98	98	95	100	91	18
96	97	95	95	95	95	95	98	95	95	95	96	99	95	19
80	91	95	90	76	85	85	83	90	95	80	83	95	60	20
50	63	50	50	50	50	60	55	53	57	65	66	97	45	21
97	94	98	99	99	99	98	94	95	94	94	91	99	60	22
98	92	95	90	93	...	...	95	...	...	...	...	...	...	23
63	72	70	80	88	85	90	84	90	95	96	...	...	...	24
95	91	97	97	97	97	96	97	94	93	82	93	97	82	25
97	100	97	97	97	97	97	99	95	95	95	94	100	83	26
88	88	87	90	98	98	95	89	90	86	86	90	98	74	27
75	87	71	85	92	96	75	83	76	84	91	80	98	62	28
97	100	97	96	95	94	60	64	89	70	62	87	100	60	29
75	90	85	90	95	70	65	66	70	75	85	83	96	65	30
88	91	90	90	88	88	86	88	88	87	86	89	98	74	Mean.

Absolute Minimum = 45% on 21st.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

MACQUARIE ISLAND.

EXPRESSED IN PERCENTAGES

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	97	97	97	97	97	97	97	97	95	93	91	85
2	60	60	65	65	70	69	70	73	77	81	97	97	97
3	85	75	85	85	85	84	85	86	83	82	95	95	96
4	65	75	65	55	50	48	47	50	70	57	58	64	60
5	97	97	97	97	97	97	97	98	100	99	99	99	99
6	85	88	92	93	94	95	96	96	99	98	97	96	96
7	95	94	96	96	98	98	99	99	100	98	98	97	97
8	96	97	97	96	96	96	96	96	96	96	96	96	96
9	96	96	96	96	96	96	96	96	99	99	93	86	85
10	81	91	78	85	72	90	96	70	83	82	90	60	63
11	85	81	62	58	73	91	100	97	95	94	90	92	98
12	78	83	82	85	80	70	66	75	69	64	73	69	69
13	99	99	99	99	99	99	99	99	99	100	100	100	100
14	89	91	94	95	96	96	96	98	93	95	97	90	88
15	99	99	99	99	99	99	99	99	100	100	100	100	100
16	100	100	100	100	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100	100	100	100	100
18	94	94	94	94	96	96	96	96	97	96	95	95	95
19	97	97	96	96	96	93	98	99	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100	100	100	100	100
21	100	100	100	100	100	100	100	100	98	100	100	100	100
22	100	100	100	100	100	100	100	100	100	100	100	100	100
23	75	80	80	78	77	77	76	75	78	75	80	86	90
24	92	89	87	90	85	82	80	84	86	88	92	96	100
25	93	92	94	96	97	98	98	99	99	99	99	98	98
26	100	100	100	100	100	100	100	100	100	100	100	100	100
27	100	100	100	100	100	100	100	100	93	95	92	95	96
28	93	95	87	86	86	86	87	89	88	89	85	90	91
29	94	90	85	80	78	82	78	80	91	88	84	85	80
30	90	95	96	96	96	96	97	98	90	93	92	93	93
31	100	100	100	100	100	100	100	100	99	99	99	99	97
Mean.	91	92	91	91	91	91	92	92	93	92	93	92	93

Absolute Maximum = 100% on 2nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

217

HOURLY VALUES—*continued.*

SATURATION = 100%.

MAY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
89	73	78	82	86	70	65	67	55	55	60	84	97	55	1
97	100	98	97	97	97	97	100	97	97	94	85	100	60	2
91	92	93	95	85	75	80	82	85	77	75	86	96	75	3
64	66	66	72	73	74	76	78	85	90	97	66	97	47	4
99	100	99	99	99	99	99	90	94	90	78	97	100	78	5
94	94	95	95	96	96	97	99	95	93	94	94	99	85	6
97	100	99	97	97	96	95	94	95	95	95	97	100	94	7
96	97	96	96	96	96	96	100	96	96	96	96	100	96	8
91	91	80	72	85	85	85	78	82	90	84	90	99	72	9
60	63	90	99	98	98	99	100	91	96	95	84	100	60	10
99	100	99	92	82	96	94	95	83	78	58	88	100	58	11
79	81	90	88	95	95	90	94	95	98	99	81	99	64	12
100	100	100	100	100	100	100	99	99	95	91	99	100	91	13
89	91	88	93	93	95	96	99	99	99	99	94	99	88	14
100	100	100	100	100	100	100	100	99	99	100	99	100	99	15
100	100	100	99	99	99	100	100	100	100	100	100	100	99	16
100	99	99	99	99	99	99	100	99	92	90	99	100	90	17
95	93	95	97	98	99	99	100	99	100	99	96	100	93	18
100	100	100	100	100	100	100	100	100	100	100	99	100	93	19
100	100	100	100	100	100	100	100	100	100	100	100	100	100	20
100	100	100	100	100	100	100	100	100	100	100	100	100	100	21
100	100	100	90	84	84	80	72	71	71	71	73	100	71	22
92	92	96	95	90	87	92	94	96	94	94	85	96	75	23
100	100	100	100	99	98	99	100	98	98	95	93	100	80	24
98	97	99	99	100	100	100	99	100	100	100	98	100	92	25
100	100	100	100	100	100	100	100	100	100	100	100	100	100	26
97	98	98	98	98	98	97	96	96	96	96	98	100	92	27
92	95	91	91	92	95	85	92	90	92	90	90	95	85	28
81	83	85	80	77	76	92	95	90	89	89	85	95	76	29
93	95	93	94	95	98	99	100	99	99	99	95	100	90	30
95	93	94	94	94	95	96	90	90	89	94	97	100	89	31
93	94	94	94	94	93	94	94	93	93	91	93	99	82	Mean.

Absolute Minimum = 47% on 4th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	
1	90	90	85	86	94	94	95	96	100	97	93	93	85	
2	99	99	99	99	99	99	99	99	96	99	99	99	98	
3	97	97	97	97	97	97	97	97	97	99	99	100	100	
4	99	99	95	92	91	92	96	96	97	97	97	97	98	
5	100	100	100	100	100	100	100	100	88	90	90	91	93	
6	100	100	100	99	99	99	100	100	100	100	100	100	100	
7	100	100	100	100	100	100	100	100	89	95	95	96	93	
8	87	58	54	69	64	64	80	93	97	95	98	98	98	
9	98	90	75	68	90	70	70	66	77	80	70	66	70	
10	98	95	93	95	93	95	93	95	89	90	87	82	80	
11	99	99	95	95	96	97	98	99	98	99	99	99	99	
12	97	95	90	85	80	85	90	91	81	85	83	80	60	
13	95	85	95	80	87	80	75	80	83	82	85	80	82	
14	98	98	98	98	98	98	98	98	99	99	100	100	100	
15	97	80	90	80	91	94	90	90	81	85	80	80	75	
16	95	98	100	100	100	100	100	100	100	100	98	90	80	
17	85	86	90	98	98	98	97	97	94	97	92	90	92	
18	61	70	75	84	64	84	70	68	75	65	64	65	64	
19	74	75	75	80	81	86	84	84	84	85	87	88	92	
20	99	99	99	99	99	99	99	99	98	99	99	99	99	
21	99	99	99	99	99	99	99	94	90	93	93	92	95	
22	95	94	92	90	92	95	95	96	100	96	96	96	96	
23	96	96	96	96	96	96	96	96	94	94	94	94	95	
24	95	95	95	95	95	95	95	95	97	98	98	98	99	
25	98	98	98	98	98	98	98	96	90	97	97	97	97	
26	97	97	97	97	97	97	97	97	100	97	97	97	97	
27	97	97	97	98	98	98	98	98	98	98	97	97	97	
28	97	97	95	94	94	97	95	94	94	94	97	97	97	
29	98	98	98	98	98	97	98	98	98	94	93	92	92	
30	...	...	...	...	...	...	...	...	97	...	...	...	...	
*	Mean.	94	93	92	92	93	93	93	94	93	93	92	91	90

\* Means for 29 days.

Absolute Maximum = 100% on 1st, etc.

HOURLY VALUES—continued.

SATURATION = 100%.

JUNE, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
90	97	98	100	100	100	100	97	100	99	99	95	100	85	1
96	95	95	96	95	95	96	97	97	96	96	97	99	95	2
100	100	100	100	100	100	100	100	100	100	99	100	100	97	3
90	100	100	100	100	100	100	100	100	100	98	100	91	91	4
95	100	99	99	99	100	100	100	100	100	98	100	88	88	5
100	100	100	100	100	100	100	100	100	100	100	100	100	99	6
90	87	83	80	80	85	90	91	86	80	70	92	100	70	7
98	86	90	85	68	72	83	83	90	95	98	83	98	54	8
76	83	86	72	90	94	85	92	95	98	98	82	98	66	9
75	76	74	88	95	94	94	90	98	99	98	90	99	74	10
90	93	95	96	96	95	96	96	99	99	99	97	99	93	11
58	77	70	80	75	80	56	64	70	75	80	79	97	56	12
70	76	80	65	62	65	75	74	80	88	85	79	95	62	13
90	74	73	70	75	75	80	83	90	85	98	90	100	70	14
90	92	90	76	66	68	74	72	84	90	96	84	97	66	15
80	82	78	80	81	80	83	86	90	80	85	90	100	78	16
92	95	95	85	77	90	76	84	78	65	75	89	98	65	17
64	90	80	72	80	75	78	71	70	72	73	72	90	61	18
97	89	98	98	99	99	98	98	98	99	99	89	99	74	19
99	97	99	99	99	99	99	85	99	99	99	98	99	85	20
99	99	97	97	97	97	97	88	95	95	95	96	99	88	21
96	97	96	96	96	96	96	97	96	96	96	95	100	90	22
95	94	95	95	95	95	95	91	93	94	95	95	96	91	23
90	100	99	98	98	98	98	98	98	98	97	100	95	24	
97	99	98	98	98	98	98	98	98	98	98	97	99	90	25
97	95	97	97	95	94	94	94	94	94	94	96	100	94	26
95	95	95	97	99	99	99	100	100	99	99	98	100	95	27
97	97	97	97	97	97	97	98	97	97	97	96	98	94	28
92	92	94	88	87	87	87	88	90	90	90	93	98	87	29
...	97	91	91	91	94	95	97	95	95	95	...	...	...	30
91	92	91	90	90	91	90	90	93	92	93	92	99	81	Mean.

Absolute Minimum = 54% on 8th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	95	95	95	95	95	95	96	96	98	98	98	98
2	98	98	98	98	98	98	98	98	100	98	98	98	98
3	97	98	97	98	95	95	97	99	91	90	88	82	80
4	80	80	80	81	90	93	95	97	97	95	95	95	95
5	95	95	95	95	95	95	95	96	95	96	93	93	94
6	93	93	93	92	92	92	92	92	91	92	92	92	92
7	68	70	75	80	85	87	83	82	82	80	70	69	69
8	94	95	100	100	100	100	100	100	91	100	91	92	95
9	100	100	100	100	100	100	100	100	94	90	90	90	90
10	95	95	95	95	95	95	90	90	97	94	94	94	95
11	94	92	95	87	85	85	87	87	90	90	91	96	84
12	94	92	93	75	76	69	70	72	80	72	68	63	65
13	100	95	100	90	84	88	88	74	79	73	72	70	72
14	100	100	96	100	100	100	97	100	99	95	90	85	85
15	98	95	90	85	85	83	90	95	98	95	100	100	100
16	97	88	99	99	99	99	99	100	100	100	100	100	100
17	97	96	95	94	93	93	93	94	94	94	95	95	95
18	96	90	90	93	85	75	80	84	82	83	80	80	65
19	99	99	99	99	99	99	99	99	99	99	99	99	99
20	95	95	95	95	95	95	95	95	97	98	99	99	99
21	100	100	100	100	100	100	100	97	93	94	94	94	90
22	85	85	85	86	86	85	86	87	91	92	96	92	95
23	86	84	85	82	84	86	85	84	92	90	91	96	97
24	100	100	100	100	100	100	99	98	98	78	78	90	80
25	95	97	99	100	100	100	100	100	100	100	100	100	100
26	100	100	100	100	100	100	100	98	97	95	93	82	75
27	98	99	98	97	99	99	99	99	100	99	97	95	95
28	94	95	98	94	96	94	94	94	92	94	94	95	90
29	62	84	90	77	75	80	80	98	90	98	98	98	90
30	85	85	85	100	100	85	75	75	75	75	80	80	85
31	60	80	93	80	95	85	87	85	89	80	85	88	83
Mean.	92	93	94	92	93	92	92	92	92	91	91	91	89

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

221

-HOURLY VALUES—*continued.*

—SATURATION = 100%.

JULY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
97	97	97	97	97	98	99	100	99	99	99	97	100	95	1
97	97	97	97	90	85	89	99	97	99	99	97	100	85	2
80	87	84	83	85	90	92	98	89	85	82	90	99	80	3
95	96	95	95	95	95	94	95	95	95	95	92	97	80	4
96	97	94	94	94	94	94	100	96	96	96	95	100	93	5
92	87	80	85	87	88	85	90	80	70	70	89	93	70	6
69	80	83	86	86	86	88	85	90	91	92	80	92	68	7
95	95	97	98	98	98	98	100	98	98	98	97	100	91	8
89	86	89	85	80	88	90	93	95	95	95	93	100	80	9
95	96	96	85	85	90	90	84	90	91	97	93	97	84	10
88	100	90	90	90	90	90	100	90	90	90	91	100	84	11
70	87	75	78	75	70	80	81	81	95	100	78	100	63	12
68	73	69	72	78	70	75	84	85	95	100	82	100	68	13
90	95	95	100	100	100	100	99	100	100	97	97	100	85	14
100	90	89	92	94	95	83	92	95	94	97	93	100	83	15
100	99	100	100	100	100	100	97	97	97	97	99	100	88	16
95	96	96	93	95	97	99	98	97	97	97	95	99	93	17
80	88	90	98	98	98	99	100	99	99	99	89	100	65	18
97	96	97	97	96	95	97	94	94	94	95	98	99	94	19
100	100	100	100	100	100	100	100	100	100	100	98	100	95	20
85	95	85	85	85	85	81	78	86	82	86	92	100	78	21
96	100	100	100	100	100	90	85	85	87	86	91	100	85	22
97	97	95	95	95	100	100	100	100	100	100	92	100	82	23
76	74	78	80	85	85	80	76	90	93	94	89	100	74	24
100	100	100	100	100	100	100	100	100	100	100	100	100	95	25
77	76	92	94	94	90	90	95	95	97	97	93	100	75	26
95	96	93	93	90	92	94	94	96	94	94	96	100	90	27
92	98	85	94	80	77	65	70	60	60	60	86	98	60	28
96	94	99	97	92	100	90	97	80	80	80	88	100	62	29
83	82	85	75	65	65	75	80	70	75	80	80	100	65	30
80	78	80	80	95	80	100	99	100	80	90	85	100	60	31
89	91	90	91	91	90	91	93	91	91	92	91	99	80	Mean.

Absolute Minimum = 60% on 28th, etc.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	73	85	90	91	100	90	87	80	84	89	76	85	94
2	85	92	93	95	99	95	99	95	92	95	96	95	95
3	89	94	88	94	96	96	93	89	94	90	92	92	90
4	99	98	98	98	98	98	96	94	93	93	93	93	93
5	95	95	95	95	95	95	95	95	100	95	95	95	95
6	100	100	95	98	99	99	99	90	100	90	88	87	84
7	83	80	81	85	94	85	84	87	89	82	75	80	85
8	100	100	100	100	100	100	100	100	88	100	100	100	100
9	98	95	95	95	95	95	95	95	95	95	97	97	97
10	100	100	99	99	99	99	99	99	99	99	99	100	100
11	99	99	100	100	100	100	100	100	100	100	97	97	97
12	100	100	100	100	100	100	100	100	100	100	100	100	100
13	100	100	100	100	100	100	95	90	90	85	84	88	85
14	100	100	100	100	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100	100	100	100	95
18	100	100	100	100	100	100	97	95	95	94	94	97	98
19	100	100	100	95	93	90	90	94	98	99	98	97	97
20	93	96	95	95	94	92	90	90	90	88	85	83	80
21	75	64	70	84	95	98	99	98	100	100	100	99	99
22	95	85	75	70	90	70	73	80	90	90	98	98	97
23	75	80	93	100	100	100	100	100	98	98	100	100	100
24	93	95	100	100	90	80	85	95	100	100	100	100	100
25	83	88	90	92	94	95	97	100	100	100	100	100	100
26	99	99	99	99	99	99	96	96	98	99	98	98	98
27	99	99	100	100	100	100	100	100	100	100	100	100	100
28	100	100	100	98	98	98	98	98	98	98	98	98	98
29	100	100	100	100	90	90	98	98	98	98	98	100	100
30	88	88	90	75	75	75	78	78	78	65	65	70	60
31	85	65	50	65	72	70	79	60	63	70	80	95	60
Mean.	94	93	93	91	96	94	94	93	95	94	94	95	93

Absolute Maximum = 100 % on 1st, etc.

## METEOROLOGY--MACQUARIE ISLAND STATION.

223

-HOURLY VALUES—*continued..*

—SATURATION = 100%.

AUGUST, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
94	83	85	75	76	87	80	81	81	81	85	85	100	73	1
95	100	98	95	88	90	86	90	88	90	95	93	100	85	2
94	100	95	99	100	100	100	100	100	100	100	95	100	88	3
93	94	85	85	94	94	93	95	93	93	93	94	99	85	4
100	100	100	100	100	100	100	100	100	100	100	97	100	95	5
88	92	94	95	82	82	91	95	80	83	85	91	100	80	6
100	83	95	100	100	100	100	84	100	100	100	89	100	75	7
100	95	100	100	100	100	98	98	98	99	100	99	100	88	8
99	99	98	98	98	98	98	98	98	98	98	97	99	95	9
100	100	100	100	100	99	98	98	98	98	98	99	100	98	10
97	97	97	97	98	99	99	99	99	99	99	99	100	97	11
100	100	100	100	100	100	100	100	100	100	100	100	100	100	12
80	86	82	83	84	85	87	91	96	96	100	91	100	80	13
99	98	98	98	99	100	100	100	100	100	100	100	100	98	14
98	98	98	98	99	100	100	100	100	100	100	100	100	98	15
100	100	100	100	100	100	100	100	100	100	100	100	100	100	16
92	97	97	97	98	98	98	100	100	100	100	99	100	92	17
98	98	99	99	100	100	100	99	99	99	99	98	100	94	18
97	97	97	96	96	97	95	93	99	99	99	97	100	90	19
75	73	73	70	65	70	73	78	78	80	80	83	98	65	20
99	99	99	99	99	85	74	81	80	95	95	91	100	64	21
97	97	97	96	88	80	82	91	91	95	97	89	98	70	22
100	100	100	100	100	100	100	98	100	100	100	98	100	75	23
90	90	85	75	66	73	75	82	77	70	75	88	100	66	24
98	96	98	99	99	99	99	99	99	99	99	96	100	83	25
96	96	98	99	98	98	98	98	98	98	98	98	99	96	26
100	100	100	100	100	100	100	100	100	100	100	100	100	99	27
99	100	100	100	100	100	100	100	100	100	100	99	100	98	28
100	100	100	100	96	97	97	97	97	97	97	98	100	90	29
60	71	71	65	65	71	71	75	85	80	70	74	90	60	30
65	71	71	55	59	65	53	61	60	70	80	67	95	50	31
93	94	94	92	92	92	92	93	93	94	95	94	99	85	Mean.

Absolute Minimum = 50% on 31st.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	95	94	90	94	90	92	93	80	80	97	80	78	81
2	86	96	96	96	97	97	97	97	97	97	97	97	97
3	98	97	97	97	97	98	97	96	96	96	97	97	100
4	100	100	100	100	100	95	95	94	94	92	92	92	92
5	60	52	50	70	65	90	80	60	68	65	62	60	60
6	75	85	80	83	72	75	76	90	93	90	94	93	100
7	76	80	82	85	86	88	88	90	98	97	98	98	98
8	91	92	96	85	86	87	90	95	99	95	92	93	94
9	95	95	95	95	97	98	99	99	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100	100	100	100	100
11	99	99	99	99	99	99	100	100	100	100	99	99	99
12	98	98	97	94	94	94	95	95	91	91	88	86	90
13	97	97	97	97	96	96	97	98	98	98	99	100	100
14	100	100	100	99	99	98	97	97	97	97	96	96	95
15	98	98	98	98	98	98	98	98	99	99	99	98	98
16	97	97	97	97	97	97	97	98	99	98	98	97	97
17	92	90	89	90	91	92	92	93	94	93	90	90	90
18	100	100	98	97	98	95	95	96	96	95	93	92	92
19	94	93	93	80	85	92	84	86	88	80	84	88	88
20	88	85	85	85	87	88	89	90	90	90	90	90	90
21	95	99	95	97	97	97	97	99	99	99	99	99	100
22	98	98	98	99	99	98	98	98	98	98	98	95	96
23	97	95	90	95	95	96	98	99	100	100	100	98	96
24	90	93	95	95	96	97	98	95	90	90	94	96	97
25	95	95	95	95	95	95	96	96	96	96	92	91	93
26	95	95	95	95	95	95	97	99	100	100	100	100	100
27	100	95	95	95	98	98	98	96	96	96	96	96	98
28	100	100	100	100	100	100	100	97	96	98	100	100	100
29	96	97	98	98	97	88	90	90	94	90	85	92	74
30	67	60	82	75	58	67	80	74	83	83	79	65	72
Mean.	92	92	93	93	92	93	94	93	95	94	93	92	93

Absolute maximum = 100% on 2nd, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

225

## HOURLY VALUES—continued.

SATURATION = 100%.

SEPTEMBER, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly Mean.	Maximum.	Minimum.	Date.
85	93	75	68	74	90	82	91	85	80	84	85	97	68	1
98	99	99	97	97	97	97	100	97	97	97	96	100	86	2
100	100	100	100	100	100	100	100	100	100	100	98	100	96	3
92	99	98	97	96	96	97	98	90	80	60	94	100	60	4
70	66	67	82	78	80	84	83	98	90	80	71	98	50	5
90	93	80	75	76	80	86	88	75	77	78	84	100	72	6
99	100	100	100	100	98	97	96	93	97	93	93	100	76	7
96	98	98	98	98	98	98	97	97	95	95	94	99	85	8
100	100	100	100	100	100	100	100	100	100	100	99	100	95	9
100	100	100	100	100	100	100	100	100	100	100	100	100	100	10
99	99	99	99	99	99	100	100	100	100	100	99	100	99	11
94	96	95	96	96	96	93	95	94	96	97	96	98	86	12
100	100	100	100	100	100	100	100	100	100	100	99	100	96	13
95	94	90	93	94	96	98	100	99	98	98	97	100	90	14
97	97	97	97	97	97	97	97	97	97	97	98	99	97	15
97	97	97	98	98	98	99	100	100	100	99	98	100	97	16
92	93	93	97	98	99	99	100	100	100	100	94	100	89	17
88	94	94	95	95	95	96	96	95	94	94	95	100	88	18
94	88	89	85	84	80	87	91	90	89	88	88	94	80	19
94	96	96	94	96	96	96	97	96	95	95	91	97	85	20
100	100	100	100	100	99	99	99	99	99	99	99	100	95	21
96	97	97	95	96	98	100	100	100	100	100	98	100	95	22
95	94	94	94	95	95	96	99	99	96	90	96	100	90	23
98	98	96	97	97	97	97	97	97	96	95	95	98	90	24
95	99	99	98	97	97	97	97	97	96	95	96	99	91	25
100	100	100	100	100	100	100	100	100	100	100	98	100	95	26
99	99	100	100	100	100	100	100	100	100	100	98	100	95	27
100	100	100	100	98	95	94	90	90	95	96	98	100	90	28
85	90	75	80	85	97	97	90	80	92	75	89	98	74	29
71	80	80	88	94	97	99	100	100	100	100	80	100	58	30
94	96	94	94	95	96	96	97	96	95	95	94	99	86	Mean.

Absolute Minimum = 50% on 5th.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	100	100	100	100	100	100	100	100	100	100	100	100	100
2	96	96	96	96	96	96	96	96	96	96	97	97	96
3	99	98	97	97	96	95	94	91	88	89	90	91	93
4	90	90	92	93	93	100	100	100	100	99	99	99	99
5	81	75	70	70	68	64	62	58	62	65	57	60	64
6	86	91	89	97	96	95	87	89	91	95	95	95	94
7	97	97	95	93	93	95	95	95	95	96	94	93	97
8	100	100	100	100	100	99	86	85	87	87	76	76	76
9	69	69	71	71	70	71	70	70	72	72	67	75	73
10	100	100	100	100	100	100	100	100	100	86	83	82	91
11	100	99	100	98	97	96	98	99	100	100	100	100	100
12	100	99	98	98	98	98	98	98	98	98	98	98	98
13	93	71	66	66	73	73	70	71	75	84	87	83	86
14	100	99	99	99	99	99	98	97	98	99	98	97	96
15	100	100	100	100	100	100	100	100	97	97	97	96	97
16	99	99	99	99	99	99	98	98	99	98	97	97	96
17	99	99	99	92	92	96	96	96	92	92	92	92	91
18	95	97	97	91	88	84	79	82	84	78	78	76	72
19	72	63	65	67	75	64	67	69	75	82	83	90	85
20	96	99	100	100	100	100	100	100	100	100	99	98	98
21	89	71	68	90	73	93	76	68	68	87	92	73	89
22	100	100	100	100	100	100	100	100	100	100	100	100	99
23	99	99	99	99	99	99	99	99	100	100	100	100	100
24	100	100	100	100	99	95	85	98	86	93	85	78	95
25	93	75	92	98	100	80	83	59	44	55	92	100	100
26	100	100	100	86	92	72	68	68	63	63	84	86	86
27	92	78	81	88	88	99	100	100	98	87	100	97	90
28	97	100	100	99	99	99	99	99	99	97	96	97	97
29	96	98	98	98	98	98	98	98	98	98	98	98	98
30	100	100	99	99	99	99	99	99	99	99	99	99	97
31	100	100	100	100	100	100	99	99	100	100	100	100	100
Mean.	95	92	93	93	93	92	90	90	90	90	92	91	92

Absolute Maximum = 100% on 1st, etc.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

SATURATION = 100%.

OCTOBER, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
100	100	100	100	99	98	97	96	96	96	96	99	100	96	1
96	98	98	98	100	100	100	100	100	100	100	97	100	96	2
94	93	92	92	92	89	89	89	89	89	89	93	99	88	3
99	97	84	84	84	84	85	90	90	89	86	93	100	84	4
66	70	69	73	78	81	78	82	81	84	84	71	84	57	5
95	96	98	98	100	98	97	97	97	97	97	94	100	86	6
97	96	97	96	98	98	99	100	100	100	100	96	100	93	7
82	82	84	85	90	90	86	87	87	86	70	86	100	66	8
77	82	88	86	100	95	97	97	100	100	94	81	100	67	9
91	85	93	82	95	96	94	89	88	94	100	94	100	82	10
100	99	99	99	99	99	100	100	100	100	100	99	100	96	11
98	98	98	98	98	98	98	98	98	98	98	98	100	98	12
86	96	93	97	97	88	93	98	100	100	100	85	100	66	13
96	91	91	93	96	98	99	100	100	100	100	98	100	91	14
97	99	99	99	99	99	99	99	99	99	99	99	100	96	15
96	91	90	93	95	95	92	99	99	99	99	97	99	90	16
84	96	95	96	80	86	86	68	71	78	90	90	99	68	17
71	70	77	75	78	88	82	85	90	76	92	83	97	70	18
90	80	88	77	75	87	88	90	87	92	89	79	96	63	19
99	100	100	96	90	99	90	90	87	97	83	97	100	83	20
95	99	94	98	93	92	99	90	98	99	100	87	100	68	21
82	83	83	90	90	92	93	97	98	98	98	96	100	82	22
100	100	100	100	100	100	100	100	100	100	100	100	100	99	23
70	70	79	84	61	55	73	70	58	88	95	84	100	55	24
96	91	92	100	100	100	100	99	100	100	100	89	100	44	25
84	94	66	89	69	64	65	69	100	94	100	82	100	63	26
95	96	97	90	88	86	87	100	96	97	97	93	100	78	27
97	100	100	100	100	100	100	97	96	96	96	98	100	96	28
99	99	99	99	99	99	100	100	100	100	100	98	100	96	29
98	99	100	100	100	100	100	100	100	100	100	99	100	97	30
98	97	98	98	98	100	100	100	100	100	100	99	100	97	31
91	91	92	93	92	92	92	93	93	94	95	92	99	81	Mean.

Absolute Minimum = 44% on 25th.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table III.—RELATIVE HUMIDITY

EXPRESSED IN PERCENTAGES

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	100	100	100	100	99	99	98	99	95	95	95	95	94
2	98	99	99	99	99	99	99	99	100	99	95	94	92
3	97	86	87	93	98	98	98	98	96	95	91	93	88
4	100	100	100	100	100	99	98	97	94	94	94	94	94
5	91	91	91	93	94	96	95	96	97	100	99	98	97
6	96	97	97	97	84	83	83	85	90	87	89	89	93
7	96	90	96	96	94	97	92	92	92	92	92	97	99
8	97	97	97	97	97	92	90	86	86	86	88	88	91
9	98	98	95	97	97	97	84	94	84	94	90	90	92
10	100	100	100	100	100	100	100	100	100	100	100	100	96
11	93	95	96	96	96	96	96	96	98	98	98	97	97
12	97	96	96	96	96	96	96	96	96	96	92	88	85
13	97	97	97	97	97	97	97	97	96	96	95	95	95
14	99	99	99	98	98	98	98	98	100	100	92	89	89
15	98	98	98	98	98	98	96	85	80	80	80	80	95
16	82	85	85	85	99	100	88	83	66	62	58	60	52
17	91	89	92	93	94	93	92	92	91	92	92	94	95
18	97	97	97	97	97	97	97	97	97	99	100	100	100
19	88	86	100	100	77	80	78	80	80	79	80	77	79
20	97	97	99	99	98	97	100	100	100	100	100	98	98
21	98	98	98	98	98	98	97	96	96	98	98	100	88
22	95	92	91	92	92	92	92	93	95	95	95	95	96
23	100	100	100	100	100	100	100	100	100	100	100	100	100
24	93	90	87	100	96	100	100	100	90	100	96	87	88
25	92	92	93	90	90	91	86	81	79	78	79	81	83
26	98	98	98	98	98	98	98	99	98	99	98	98	98
27	100	94	92	91	91	91	90	90	89	89	84	84	94
28	100	100	100	100	100	100	99	94	89	86	86	84	88
29	100	100	100	100	100	100	100	100	100	98	94	87	87
30	95	95	94	94	93	93	92	92	91	91	92	80	71
Mean.	96	95	96	96	96	96	94	94	93	93	91	90	90

Absolute Maximum = 100 % on 1st, etc.

-HOURLY VALUES—*continued.*

-SATURATION = 100%.

NOVEMBER, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
93	90	90	94	95	98	100	100	100	98	98	97	100	90	1
93	94	95	96	96	95	96	97	97	97	97	97	100	92	2
94	97	98	98	97	100	100	100	100	100	96	100	100	86	3
94	91	91	89	92	91	91	91	91	91	91	95	100	89	4
97	97	97	97	97	97	97	95	97	96	95	96	100	91	5
93	93	95	95	82	72	88	94	93	99	98	90	99	72	6
99	100	100	100	100	100	100	94	97	97	97	96	100	90	7
88	94	95	95	95	96	97	98	98	98	98	93	98	86	8
91	93	96	96	97	97	98	100	100	100	100	95	100	84	9
100	100	98	96	95	95	94	93	93	93	93	98	100	93	10
97	97	98	98	99	99	100	100	99	99	98	97	100	93	11
84	79	81	84	84	86	87	97	97	97	97	92	97	79	12
95	96	96	97	97	97	97	99	99	99	99	97	99	95	13
90	92	94	94	95	97	98	98	98	98	98	96	100	89	14
94	94	94	93	94	94	93	92	87	80	81	91	98	80	15
48	67	82	97	96	97	97	97	84	83	80	81	100	48	16
96	96	97	97	97	97	97	98	97	97	97	94	98	89	17
100	89	96	89	91	84	82	80	82	84	88	94	100	80	18
86	86	89	89	94	100	100	99	99	99	98	88	100	77	19
97	97	97	97	97	97	97	98	98	98	98	99	100	97	20
83	86	93	81	80	83	82	91	93	93	94	93	100	80	21
97	98	99	99	99	99	100	100	100	100	100	96	100	91	22
99	98	98	98	97	97	97	93	95	91	93	98	100	91	23
88	83	89	88	92	91	88	87	90	89	90	92	100	83	24
85	85	87	87	89	86	86	90	96	96	98	87	96	78	25
97	96	97	98	98	99	100	100	100	100	100	98	100	96	26
99	100	100	100	100	100	100	100	100	100	100	95	100	84	27
88	91	95	99	97	100	100	100	100	100	100	96	100	84	28
86	85	86	89	90	92	95	97	97	96	96	95	100	85	29
74	83	88	84	82	80	84	91	91	92	92	88	95	71	30
91	92	94	94	94	94	95	95	96	95	96	94	99	85	Mean.

Absolute Minimum = 48 % on 16th.

TABLE IV.

VAPOUR PRESSURE.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	...	...	...	...	...	...	...	...	.299	.280	.289	.289	.297
2	.259	.254	.246	.242	.227	.198	.215	.228	.235	.246	.260	.281	.276
3	.286	.288	.286	.279	.281	.281	.282	.283	.283	.284	.291	.303	.308
4	.292	.265	.262	.253	.249	.252	.262	.285	.281	.281	.279	.279	.278
5	.282	.267	.268	.268	.266	.259	.264	.261	.266	.265	.244	.269	.268
6	.284	.284	.278	.273	.281	.282	.304	.291	.299	.287	.282	.270	.273
7	.260	.257	.259	.259	.270	.277	.275	.280	.277	.282	.291	.299	.300
8	.252	.255	.261	.254	.265	.255	.257	.257	.260	.281	.234	.265	.248
9	.253	.256	.258	.261	.267	.267	.270	.275	.284	.301	.314	.303	.310
10	.308	.306	.307	.307	.309	.303	.303	.307	.307	.315	.309	.311	.307
11	.300	.292	.281	.281	.281	.287	.291	.291	.292	.298	.291	.319	.307
12	.257	.255	.244	.243	.255	.283	.286	.281	.283	.281	.273	.269	.262
13	.253	.235	.248	.244	.240	.233	.262	.249	.246	.258	.253	.274	.260
14	.213	.222	.200	.209	.214	.226	.230	.235	.237	.262	.257	.257	.253
15	.260	.262	.261	.266	.279	.256	.259	.277	.257	.244	.246	.253	.250
16	.210	.189	.201	.190	.183	.217	.220	.240	.219	.252	.229	.249	.259
17	.242	.245	.246	.247	.261	.255	.248	.240	.259	.267	.274	.275	.279
18	.224	.227	.227	.213	.224	.217	.232	.230	.234	.233	.203	.210	.198
19	.241	.242	.229	.236	.241	.242	.244	.256	.264	.270	.285	.290	.295
20	.233	.217	.222	.234	.227	.206	.234	.233	.243	.261	.277	.258	.229
21	.195	.195	.217	.205	.211	.236	.210	.226	.232	.234	.240	.215	.250
22	.285	.281	.272	.273	.270	.264	.267	.285	.283	.290	.316	.319	.320
23	.274	.271	.271	.270	.265	.268	.274	.290	.282	.293	.299	.291	.295
24	.245	.242	.237	.235	.227	.228	.264	.238	.242	.238	.289	.285	.274
25	.266	.267	.263	.259	.256	.258	.255	.262	.269	.274	.279	.288	.282
26	.264	.264	.260	.251	.252	.245	.242	.242	.247	.259	.265	.264	.247
27	.249	.248	.245	.243	.242	.234	.229	.232	.238	.218	.205	.231	.244
28	.235	.234	.235	.235	.232	.234	.230	.244	.251	.237	.234	.233	.250
29	.275	.260	.260	.263	.267	.273	.263	.262	.275	.287	.307	.310	.312
30	.254	.247	.246	.213	.250	.242	.248	.254	.253	.262	.265	.279	.281
31	.280	.280	.282	.283	.285	.283	.272	.277	.281	.282	.290	.299	.301
Mean.	.258	.254	.252	.250	.253	.254	.256	.260	.264	.268	.270	.275	.275

Absolute Maximum = .323 on 22nd, at 2 p.m.

## HOURLY VALUES.

IN INCHES.

JANUARY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-296	-281	-294	-288	-272	-275	-264	-256	-247	-233	-237	...	...	...	1
-275	-285	-284	-281	-283	-290	-282	-286	-284	-288	-290	-261	-290	-198	2
-304	-294	-291	-291	-298	-298	-298	-293	-294	-294	-293	-293	-308	-279	3
-261	-257	-270	-273	-266	-283	-284	-285	-285	-283	-285	-273	-292	-249	4
-264	-264	-277	-283	-279	-277	-272	-281	-282	-285	-288	-271	-288	-244	5
-279	-284	-290	-253	-287	-289	-288	-269	-269	-269	-275	-286	-304	-253	6
-306	-296	-286	-280	-270	-270	-268	-267	-256	-253	-246	-275	-306	-246	7
-243	-237	-236	-234	-238	-242	-251	-250	-250	-253	-254	-252	-281	-234	8
-292	-315	-315	-309	-314	-313	-307	-302	-305	-307	-305	-291	-315	-253	9
-305	-305	-304	-302	-304	-303	-301	-295	-299	-298	-295	-305	-315	-295	10
-269	-267	-283	-281	-270	-268	-263	-267	-266	-263	-255	-283	-319	-255	11
-259	-274	-270	-270	-273	-270	-270	-274	-274	-274	-263	-268	-286	-243	12
-244	-272	-222	-254	-240	-229	-208	-222	-212	-220	-205	-242	-274	-205	13
-239	-247	-249	-230	-250	-241	-260	-266	-264	-261	-259	-240	-266	-200	14
-226	-254	-239	-219	-224	-219	-219	-222	-215	-224	-209	-244	-279	-209	15
-262	-252	-232	-250	-240	-238	-236	-240	-240	-249	-249	-200	-262	-183	16
-260	-245	-260	-227	-232	-236	-238	-237	-244	-236	-231	-250	-279	-227	17
-202	-218	-205	-208	-223	-205	-213	-222	-231	-226	-231	-219	-234	-198	18
-248	-238	-232	-237	-233	-223	-218	-224	-219	-218	-216	-244	-295	-216	19
-256	-239	-230	-229	-213	-232	-181	-203	-213	-199	-223	-230	-277	-181	20
-250	-238	-242	-238	-246	-249	-250	-266	-269	-280	-287	-236	-287	-195	21
-323	-310	-304	-299	-303	-298	-286	-287	-287	-287	-284	-291	-323	-264	22
-278	-277	-271	-268	-263	-261	-269	-258	-253	-254	-253	-274	-299	-253	23
-270	-253	-288	-296	-288	-292	-293	-289	-282	-272	-269	-264	-296	-227	24
-272	-281	-275	-280	-281	-278	-282	-278	-273	-260	-264	-271	-288	-255	25
-250	-254	-288	-271	-265	-272	-258	-266	-266	-255	-256	-258	-288	-242	26
-251	-230	-248	-245	-248	-243	-225	-247	-241	-241	-235	-239	-251	-205	27
-261	-272	-267	-273	-276	-276	-271	-276	-277	-273	-272	-253	-277	-230	28
-309	-307	-301	-301	-301	-301	-301	-289	-284	-272	-287	-312	-260	-260	29
-277	-267	-270	-293	-274	-268	-263	-264	-263	-257	-255	-261	-293	-213	30
-304	-294	-288	-282	-273	-280	-277	-287	-286	-268	-261	-283	-304	-261	31
-269	-268	-268	-266	-265	-265	-261	-264	-262	-260	-258	-259	-290	-232	Mean

Absolute Minimum = -181 on 20th, at 8 p.m.

\*964—2G

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.242	.257	.252	.251	.247	.262	.255	.240	.253	.277	.283	.290	.292
2	.278	.275	.271	.271	.269	.276	.253	.268	.270	.273	.273	.258	.277
3	.270	.267	.267	.279	.282	.267	.273	.267	.267	.264	.270	.270	.270
4	.254	.256	.259	.262	.260	.265	.263	.262	.264	.264	.262	.261	.265
5	.271	.257	.250	.257	.263	.257	.262	.270	.272	.263	.266	.254	.249
6	.244	.244	.244	.244	.244	.241	.241	.241	.243	.240	.226	.244	.249
7	.234	.235	.235	.231	.229	.226	.221	.226	.233	.265	.250	.259	.253
8	.211	.209	.175	.187	.193	.225	.231	.241	.236	.253	.239	.233	.230
9	.236	.236	.231	.228	.225	.228	.232	.234	.239	.241	.241	.242	.242
10	.257	.259	.260	.261	.261	.264	.265	.266	.266	.269	.268	.267	.265
11	.275	.281	.280	.283	.280	.280	.275	.274	.270	.268	.269	.270	.271
12	.261	.261	.264	.265	.264	.270	.263	.258	.262	.261	.267	.266	.268
13	.264	.261	.258	.252	.252	.249	.249	.247	.259	.264	.243	.253	.242
14	.260	.260	.251	.251	.232	.243	.260	.269	.267	.266	.286	.272	.277
15	.246	.246	.245	.237	.226	.228	.233	.253	.258	.247	.256	.258	.267
16	.271	.272	.274	.279	.280	.281	.281	.281	.269	.270	.272	.272	.274
17	.280	.280	.280	.280	.280	.280	.280	.287	.284	.280	.263	.264	.278
18	.264	.270	.270	.268	.264	.265	.266	.266	.272	.277	.273	.272	.267
19	.253	.253	.253	.240	.239	.244	.236	.256	.261	.235	.261	.271	.276
20	.272	.268	.265	.267	.253	.253	.256	.258	.269	.269	.269	.271	.280
21	.245	.244	.243	.243	.245	.246	.247	.248	.246	.247	.251	.255	.256
22	.236	.241	.247	.258	.254	.252	.251	.249	.250	.252	.258	.266	.266
23	.232	.232	.250	.243	.245	.247	.245	.248	.248	.250	.234	.234	.229
24	.245	.245	.245	.245	.245	.245	.245	.245	.253	.255	.263	.263	.266
25	.268	.270	.271	.270	.270	.267	.267	.267	.269	.269	.269	.271	.274
26	.270	.270	.270	.267	.268	.270	.270	.265	.281	.283	.278	.273	.265
27	.275	.277	.279	.279	.277	.276	.276	.276	.281	.284	.286	.287	.290
28	.295	.295	.295	.295	.295	.295	.292	.272	.292	.292	.292	.292	.295
29	.263	.264	.265	.268	.265	.266	.267	.273	.285	.292	.276	.297	.278
Mean.	.258	.258	.257	.257	.255	.256	.257	.259	.264	.264	.264	.264	.266

Absolute Maximum = .300 on 28th, at 4 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

235

-HOURLY VALUES—*continued.*

IN INCHES.

FEBRUARY, 1912:

	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
	-282	-281	-274	-277	-277	-278	-278	-278	-278	-283	-282	-268	-292	-240	1
	-262	-255	-262	-273	-286	-297	-289	-292	-287	-283	-282	-274	-297	-255	2
	-267	-270	-273	-282	-291	-288	-286	-272	-258	-256	-254	-272	-291	-254	3
	-267	-269	-276	-276	-281	-287	-290	-290	-289	-285	-280	-270	-290	-254	4
	-243	-256	-255	-251	-226	-246	-247	-252	-252	-252	-245	-256	-272	-226	5
	-236	-252	-258	-261	-247	-257	-252	-249	-246	-251	-248	-246	-261	-226	6
	-253	-246	-245	-237	-220	-211	-215	-222	-211	-211	-208	-233	-265	-208	7
	-250	-250	-245	-239	-246	-239	-241	-244	-237	-234	-234	-229	-253	-175	8
	-242	-244	-243	-255	-252	-255	-243	-253	-255	-258	-257	-242	-258	-225	9
	-267	-264	-271	-270	-273	-272	-274	-276	-277	-278	-279	-267	-279	-257	10
	-264	-258	-266	-269	-269	-274	-274	-267	-261	-270	-261	-272	-283	-258	11
	-268	-273	-272	-282	-280	-278	-278	-278	-275	-271	-270	-269	-282	-258	12
	-242	-251	-251	-255	-254	-264	-260	-277	-275	-273	-266	-256	-277	-242	13
	-280	-265	-267	-267	-262	-255	-244	-237	-230	-228	-237	-258	-286	-228	14
	-258	-259	-256	-255	-261	-262	-262	-266	-267	-268	-270	-253	-270	-226	15
	-270	-266	-268	-267	-266	-271	-271	-274	-275	-280	-280	-273	-281	-266	16
	-277	-272	-276	-254	-270	-263	-262	-262	-261	-256	-262	-273	-287	-254	17
	-261	-260	-259	-259	-258	-260	-258	-256	-253	-253	-253	-264	-277	-253	18
	-278	-278	-275	-276	-269	-264	-267	-272	-278	-277	-274	-262	-278	-235	19
	-271	-268	-263	-258	-258	-260	-252	-250	-248	-247	-246	-262	-280	-246	20
	-248	-255	-243	-243	-239	-236	-240	-238	-238	-240	-237	-245	-256	-236	21
	-265	-271	-271	-271	-253	-250	-246	-239	-239	-239	-232	-252	-271	-232	22
	-239	-240	-229	-229	-240	-245	-248	-227	-239	-245	-244	-240	-250	-227	23
	-265	-264	-264	-264	-262	-264	-265	-264	-264	-269	-272	-257	-272	-245	24
	-274	-275	-275	-275	-269	-270	-270	-270	-270	-270	-270	-270	-275	-267	25
	-283	-267	-247	-247	-250	-259	-270	-270	-270	-276	-275	-268	-283	-247	26
	-285	-280	-280	-280	-280	-283	-289	-295	-295	-295	-295	-282	-295	-275	27
	-295	-295	-300	-263	-258	-257	-258	-259	-258	-264	-264	-283	-300	-257	28
	-292	-294	-280	-268	-268	-266	-266	-266	-262	-255	-253	-272	-297	-253	29
	-265	-265	-264	-262	-261	-262	-262	-262	-260	-261	-260	-261	-278	-242	Mean.

Absolute Minimum = -175 on 8th, at 3 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-253	-240	-244	-244	-245	-242	-241	-245	-250	-266	-266	-275	-280
2	-240	-252	-245	-249	-252	-255	-252	-259	-263	-267	-267	-274	-277
3	-267	-267	-267	-267	-267	-263	-264	-249	-276	-282	-282	-284	-276
4	-262	-262	-262	-267	-267	-268	-266	-267	-273	-276	-278	-279	-284
5	-260	-260	-260	-260	-261	-262	-269	-271	-273	-280	-280	-280	-282
6	-248	-248	-249	-252	-249	-227	-217	-206	-222	-220	-226	-223	-235
7	-239	-233	-233	-236	-237	-243	-245	-250	-257	-257	-269	-268	-270
8	-269	-269	-266	-266	-259	-255	-253	-253	-255	-251	-251	-249	-249
9	-226	-226	-225	-229	-233	-233	-231	-225	-219	-220	-216	-203	-204
10	-218	-216	-226	-226	-238	-248	-252	-257	-262	-270	-274	-296	-297
11	-278	-275	-272	-272	-271	-270	-271	-272	-272	-275	-270	-271	-271
12	-220	-213	-229	-218	-228	-222	-222	-225	-216	-229	-222	-216	-215
13	-229	-228	-218	-222	-212	-210	-212	-220	-230	-230	-225	-240	-244
14	-248	-252	-241	-241	-245	-254	-248	-252	-261	-255	-270	-258	-260
15	-246	-241	-234	-236	-234	-235	-240	-253	-236	-234	-261	-271	-277
16	-229	-233	-236	-242	-251	-252	-260	-268	-272	-273	-277	-277	-277
17	-240	-253	-244	-235	-242	-234	-249	-236	-236	-258	-266	-265	-266
18	-243	-239	-223	-226	-232	-259	-260	-260	-275	-272	-269	-280	-277
19	-273	-274	-278	-255	-255	-247	-249	-242	-256	-264	-258	-266	-263
20	-260	-240	-267	-258	-252	-261	-262	-265	-270	-275	-266	-277	-278
21	-284	-284	-286	-286	-289	-289	-289	-289	-259	-247	-259	-230	-255
22	-208	-205	-199	-198	-185	-198	-190	-196	-211	-200	-210	-222	-214
23	-245	-240	-235	-227	-244	-232	-229	-246	-238	-241	-247	-267	-252
24	-249	-247	-249	-254	-249	-238	-251	-246	-236	-227	-222	-235	-204
25	-187	-188	-166	-191	-169	-173	-164	-191	-193	-189	-204	-208	-255
26	-201	-201	-208	-208	-211	-218	-220	-231	-236	-241	-259	-248	-255
27	-260	-260	-260	-260	-260	-260	-261	-262	-267	-270	-272	-275	-275
28	-266	-266	-263	-263	-255	-263	-269	-271	-273	-272	-274	-272	-264
29	-256	-253	-257	-258	-264	-265	-266	-266	-272	-272	-273	-274	-276
30	-222	-218	-226	-228	-223	-239	-240	-235	-250	-256	-262	-245	-263
31	-271	-275	-276	-278	-278	-280	-282	-283	-284	-287	-289	-288	-277
Mean.	-245	-244	-243	-244	-244	-245	-246	-248	-251	-254	-257	-260	-262

Absolute Maximum = -297 on 10th, at 1 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

237

## HOURLY VALUES—continued.

IN INCHES.

MARCH, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.281	.264	.264	.262	.256	.256	.256	.258	.237	.247	.241	.256	.281	.237	1
.281	.291	.281	.278	.270	.264	.266	.267	.267	.267	.267	.264	.291	.240	2
.275	.276	.274	.275	.278	.279	.279	.279	.274	.269	.264	.272	.284	.249	3
.282	.281	.278	.281	.269	.266	.253	.253	.255	.248	.248	.268	.284	.248	4
.282	.279	.278	.278	.273	.276	.272	.266	.260	.253	.248	.270	.282	.248	5
.230	.217	.218	.225	.214	.220	.225	.247	.247	.244	.243	.232	.252	.206	6
.273	.272	.271	.271	.271	.273	.273	.269	.269	.269	.269	.258	.273	.233	7
.249	.247	.250	.248	.247	.251	.243	.238	.236	.232	.228	.252	.269	.228	8
.196	.204	.208	.208	.208	.213	.213	.216	.217	.217	.218	.218	.233	.196	9
.290	.285	.285	.284	.283	.283	.280	.278	.278	.278	.278	.264	.297	.216	10
.271	.283	.282	.279	.279	.279	.284	.282	.260	.229	.274	.284	.229	11	
.223	.212	.215	.209	.222	.211	.231	.226	.224	.232	.231	.221	.232	.209	12
.244	.241	.245	.246	.243	.247	.252	.253	.256	.257	.240	.235	.257	.210	13
.254	.252	.258	.253	.245	.250	.248	.248	.242	.247	.246	.251	.270	.241	14
.282	.262	.255	.241	.233	.229	.226	.232	.238	.226	.226	.244	.282	.226	15
.280	.280	.280	.258	.245	.241	.238	.246	.243	.247	.257	.280	.229	16	
.264	.265	.266	.269	.236	.246	.253	.250	.241	.241	.248	.250	.269	.234	17
.278	.279	.276	.273	.272	.272	.272	.275	.275	.274	.263	.280	.223	18	
.253	.259	.258	.251	.242	.242	.242	.249	.249	.250	.251	.255	.278	.242	19
.278	.280	.287	.287	.263	.287	.287	.284	.284	.284	.283	.272	.287	.240	20
.247	.228	.218	.213	.202	.204	.206	.217	.214	.222	.213	.248	.289	.202	21
.229	.237	.237	.239	.238	.248	.242	.241	.233	.239	.241	.219	.248	.185	22
.264	.266	.255	.262	.253	.258	.258	.258	.259	.251	.249	.250	.267	.227	23
.228	.218	.228	.196	.179	.170	.167	.171	.181	.166	.181	.223	.254	.166	24
.218	.218	.218	.204	.208	.180	.205	.201	.198	.201	.201	.197	.255	.164	25
.255	.254	.253	.254	.258	.262	.262	.262	.263	.263	.263	.240	.263	.201	26
.277	.277	.277	.277	.270	.269	.268	.270	.270	.266	.266	.267	.277	.260	27
.260	.261	.261	.258	.246	.255	.252	.252	.255	.256	.256	.262	.274	.246	28
.275	.278	.279	.279	.261	.260	.242	.221	.220	.225	.262	.279	.220	.220	29
.261	.265	.260	.261	.259	.259	.260	.261	.264	.265	.268	.249	.268	.218	30
.287	.286	.278	.274	.258	.262	.262	.262	.262	.262	.262	.275	.289	.258	31
.260	.260	.258	.255	.249	.249	.249	.250	.248	.247	.245	.250	.272	.224	Mean,

Absolute Minimum = .164 on 25th, at 7 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.257	.257	.246	.228	.230	.230	.219	.209	.206	.206	.207	.214	.217
2	.255	.251	.255	.256	.257	.258	.254	.266	.268	.270	.271	.277	.285
3	.277	.263	.256	.248	.253	.251	.261	.266	.272	.273	.290	.283	.283
4	.267	.265	.255	.252	.252	.241	.243	.246	.255	.260	.261	.266	.264
5	.281	.284	.292	.304	.310	.298	.298	.301	.302	.302	.302	.302	.302
6	.313	.315	.312	.313	.310	.309	.313	.313	.315	.316	.316	.316	.319
7	.293	.299	.296	.292	.292	.294	.304	.303	.304	.292	.289	.273	.268
8	.229	.229	.233	.234	.237	.243	.245	.245	.249	.245	.238	.242	.219
9	.164	.146	.158	.169	.175	.175	.173	.185	.200	.210	.219	.254	.240
10	.227	.224	.223	.220	.219	.217	.217	.218	.223	.220	.231	.235	.249
11	.272	.274	.274	.272	.273	.270	.271	.277	.279	.279	.280	.282	.281
12	.275	.269	.268	.268	.277	.284	.281	.286	.278	.280	.271	.266	.247
13	.203	.196	.193	.203	.187	.190	.197	.203	.200	.200	.228	.204	.212
14	.268	.267	.268	.244	.247	.224	.233	.260	.245	.253	.251	.266	.267
15	.258	.258	.259	.260	.266	.266	.264	.261	.263	.258	.254	.254	.263
16	.226	.222	.218	.220	.217	.216	.222	.230	.239	.247	.253	.258	.263
17	.265	.266	.265	.258	.258	.259	.260	.262	.262	.269	.269	.269	.269
18	.270	.273	.274	.273	.273	.277	.282	.284	.286	.288	.289	.290	.291
19	.224	.221	.216	.222	.222	.230	.228	.227	.230	.238	.223	.218	.257
20	.272	.272	.271	.272	.272	.271	.271	.271	.268	.265	.277	.282	.254
21	.246	.242	.243	.232	.247	.227	.251	.198	.215	.226	.221	.213	.195
22	.213	.213	.211	.244	.246	.238	.236	.244	.234	.241	.237	.241	.245
23	.233	.224	.232	.233	.220	.233	.227	.236	.217	.226	.217	.217	.202
24	.228	.213	.222	.231	.231	.244	.253	.248	.249	.251	.255	.260	.267
25	.233	.230	.233	.230	.211	.213	.211	.218	.222	.204	.239	.202	.206
26	.186	.186	.188	.186	.189	.192	.193	.200	.211	.224	.226	.227	.226
27	.218	.217	.213	.209	.210	.198	.198	.198	.201	.210	.215	.221	.204
28	.222	.224	.224	.226	.228	.237	.239	.230	.239	.239	.249	.250	.253
29	.213	.212	.213	.215	.213	.213	.219	.222	.214	.225	.225	.225	.224
30	.232	.224	.226	.222	.214	.220	.224	.224	.223	.220	.222	.223	.224
Mean:	.244	.241	.242	.241	.241	.242	.243	.244	.246	.248	.251	.251	.250

Absolute Maximum = .323 on 6th, at 3 p.m.

HOURLY VALUES—*continued.*

IN INCHES.

APRIL, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date:
.230	.240	.235	.234	.242	.244	.251	.254	.254	.254	.259	.234	.259	.206	1
.286	.283	.283	.273	.279	.278	.278	.278	.278	.280	.274	.270	.286	.251	2
.285	.284	.280	.279	.278	.276	.276	.275	.273	.269	.268	.272	.290	.248	3
.267	.260	.257	.257	.259	.267	.273	.273	.273	.275	.276	.261	.276	.241	4
.303	.305	.307	.306	.310	.312	.315	.315	.317	.318	.318	.303	.318	.281	5
.319	.323	.321	.307	.307	.305	.304	.302	.300	.296	.296	.311	.323	.296	6
.264	.262	.260	.255	.247	.249	.245	.241	.239	.239	.231	.273	.304	.231	7
.231	.222	.222	.220	.224	.202	.191	.192	.179	.167	.161	.222	.249	.161	8
.244	.224	.240	.241	.237	.241	.237	.235	.234	.233	.232	.210	.254	.146	9
.262	.268	.272	.272	.272	.272	.272	.274	.273	.272	.272	.245	.274	.217	10
.272	.272	.267	.264	.265	.265	.266	.274	.275	.275	.273	.282	.264		11
.238	.230	.232	.227	.232	.188	.181	.216	.202	.182	.188	.246	.286	.181	12
.208	.218	.234	.227	.235	.248	.258	.262	.264	.266	.266	.219	.266	.187	13
.255	.260	.255	.255	.254	.253	.248	.252	.253	.255	.255	.254	.268	.224	14
.251	.249	.249	.248	.248	.241	.239	.231	.227	.227	.228	.251	.266	.227	15
.264	.267	.268	.270	.268	.268	.268	.270	.272	.270	.265	.246	.272	.216	16
.269	.269	.268	.267	.267	.265	.264	.262	.262	.262	.263	.265	.269	.258	17
.293	.297	.293	.287	.272	.256	.247	.245	.245	.238	.225	.274	.297	.225	18
.244	.260	.260	.271	.266	.260	.268	.264	.266	.266	.272	.243	.272	.216	19
.255	.256	.256	.254	.249	.250	.239	.230	.230	.229	.240	.259	.282	.229	20
.200	.202	.229	.198	.191	.216	.206	.211	.226	.224	.222	.220	.251	.191	21
.257	.252	.254	.253	.251	.255	.255	.261	.247	.249	.233	.242	.261	.211	22
.176	.167	.172	.172	.164	.211	.194	.202	.216	.215	.198	.210	.236	.164	23
.270	.272	.274	.246	.241	.240	.243	.241	.250	.240	.231	.245	.274	.213	24
.210	.198	.181	.179	.181	.177	.189	.191	.191	.192	.186	.206	.239	.177	25
.236	.247	.254	.250	.248	.241	.237	.232	.231	.226	.218	.218	.254	.186	26
.212	.215	.216	.217	.212	.218	.218	.218	.220	.221	.221	.213	.221	.198	27
.255	.239	.230	.227	.24	.220	.218	.211	.207	.211	.213	.230	.255	.207	28
.238	.230	.232	.229	.228	.230	.235	.239	.244	.245	.242	.226	.245	.212	29
.229	.215	.210	.202	.192	.189	.185	.185	.185	.182	.182	.212	.232	.182	30
.251	.250	.251	.246	.245	.245	.243	.244	.244	.242	.240	.245	.268	.215	Mean.

Absolute Minimum = .146 on 9th, at 2 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.192	.187	.190	.189	.196	.197	.199	.208	.219	.210	.229	.246	.256
2	.256	.246	.233	.219	.221	.222	.210	.206	.209	.205	.199	.202	.205
3	.271	.272	.273	.275	.275	.277	.277	.278	.278	.277	.277	.275	.274
4	.257	.240	.234	.210	.192	.200	.182	.162	.169	.165	.204	.226	.184
5	.245	.248	.248	.235	.236	.227	.215	.233	.229	.233	.239	.231	.232
6	.243	.247	.252	.254	.257	.257	.259	.263	.264	.274	.275	.275	.278
7	.279	.282	.283	.285	.282	.282	.283	.277	.277	.284	.285	.291	.288
8	.269	.269	.270	.273	.275	.276	.277	.279	.277	.279	.276	.275	.271
9	.257	.257	.260	.266	.268	.271	.269	.273	.273	.276	.277	.277	.276
10	.258	.259	.262	.263	.274	.274	.276	.276	.277	.278	.279	.278	.277
11	.270	.267	.268	.270	.270	.270	.266	.262	.262	.260	.263	.264	.268
12	.268	.260	.262	.260	.264	.270	.275	.274	.269	.242	.237	.229	.228
13	.239	.238	.246	.245	.243	.250	.251	.261	.261	.260	.260	.262	.264
14	.262	.261	.264	.265	.264	.263	.262	.261	.262	.263	.263	.260	.262
15	.272	.273	.274	.274	.274	.277	.277	.277	.280	.280	.277	.277	.274
16	.237	.234	.270	.273	.276	.275	.276	.281	.281	.281	.284	.288	.268
17	.157	.119	.126	.146	.153	.153	.140	.146	.154	.163	.172	.206	.198
18	.243	.243	.244	.247	.250	.257	.258	.261	.267	.271	.273	.273	.272
19	.230	.250	.248	.250	.246	.249	.249	.234	.225	.221	.214	.208	.221
20	.229	.233	.237	.239	.243	.237	.247	.250	.252	.254	.260	.260	.261
21	.202	.208	.207	.208	.191	.198	.202	.198	.196	.177	.190	.198	.182
22	.148	.142	.143	.140	.139	.149	.150	.150	.165	.170	.180	.188	.181
23	.239	.241	.241	.243	.239	.240	.243	.245	.256	.256	.251	.251	.254
24	.260	.267	.272	.272	.269	.269	.269	.269	.269	.266	.266	.264	.261
25	.188	.186	.184	.175	.178	.170	.171	.163	.159	.163	.156	.152	.152
26	.171	.173	.177	.187	.199	.210	.215	.219	.231	.241	.246	.249	.250
27	.246	.254	.253	.257	.256	.253	.252	.254	.258	.258	.258	.258	.259
28	.239	.238	.238	.239	.232	.231	.227	.226	.230	.230	.228	.229	.225
29	.208	.206	.192	.189	.188	.192	.182	.178	.168	.160	.156	.161	.159
30	.204	.202	.206	.206	.202	.202	.198	.204	.202	.202	.208	.205	.207
31	.235	.236	.237	.239	.237	.237	.238	.238	.237	.241	.243	.241	.244
Mean.	.235	.233	.235	.235	.235	.237	.235	.236	.237	.237	.240	.242	.240

Absolute Maximum = .291 on 7th, at noon.

## METEOROLOGY—MACQUARIE ISLAND STATION.

241

## HOURLY VALUES—continued.

IN INCHES.

MAY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-255	-246	-249	-249	-240	-246	-245	-251	-253	-255	-254	-225	-256	-187	1
-220	-213	-214	-216	-219	-228	-233	-238	-243	-258	-270	-223	-270	-199	2
-74	-272	-263	-71	-273	-275	-276	-278	-260	-262	-262	-273	-278	-260	3
-215	-217	-219	-223	-224	-229	-225	-227	-228	-234	-241	-212	-257	-162	4
-240	-240	-244	-237	-238	-243	-248	-245	-249	-244	-241	-238	-249	-215	5
-278	-277	-276	-275	-277	-281	-283	-284	-283	-281	-280	-269	-284	-243	6
-287	-281	-276	-272	-272	-283	-268	-264	-268	-270	-271	-279	-291	-264	7
-272	-267	-268	-268	-267	-270	-272	-272	-263	-257	-272	-272	-279	-257	8
-276	-253	-249	-240	-238	-233	-233	-236	-238	-243	-251	-258	-277	-233	9
-276	-276	-279	-280	-283	-279	-278	-278	-278	-277	-275	-274	-283	-258	10
-262	-258	-261	-263	-264	-266	-265	-267	-271	-276	-272	-266	-276	-258	11
-228	-232	-236	-232	-232	-226	-234	-247	-243	-233	-231	-248	-275	-226	12
-261	-268	-264	-268	-267	-269	-266	-267	-263	-265	-266	-258	-269	-238	13
-259	-257	-254	-252	-254	-258	-262	-268	-271	-271	-272	-262	-272	-252	14
-273	-274	-272	-270	-262	-259	-258	-255	-255	-249	-237	-269	-280	-237	15
-270	-266	-241	-246	-257	-252	-253	-241	-210	-167	-136	-255	-288	-136	16
-202	-204	-222	-222	-227	-230	-233	-235	-239	-241	-243	-187	-243	-119	17
-276	-269	-268	-261	-260	-263	-263	-261	-261	-261	-218	-259	-273	-218	18
-211	-212	-215	-207	-208	-213	-218	-223	-228	-229	-228	-227	-250	-207	19
-267	-266	-266	-266	-266	-266	-262	-261	-235	-227	-198	-249	-267	-198	20
-182	-186	-173	-170	-170	-162	-161	-155	-153	-149	-147	-183	-208	-147	21
-194	-200	-198	-204	-204	-217	-222	-228	-228	-231	-239	-182	-239	-139	22
-253	-251	-253	-252	-256	-257	-258	-258	-258	-259	-260	-250	-260	-239	23
-258	-256	-255	-253	-251	-246	-243	-225	-204	-189	-190	-251	-272	-189	24
-148	-149	-140	-134	-131	-139	-149	-151	-149	-159	-167	-159	-188	-131	25
-248	-245	-247	-247	-248	-249	-249	-247	-240	-240	-246	-226	-250	-171	26
-259	-258	-258	-258	-258	-260	-260	-260	-260	-259	-241	-256	-260	-241	27
-218	-218	-218	-205	-206	-195	-195	-195	-197	-202	-209	-221	-239	-195	28
-160	-171	-168	-179	-181	-186	-204	-202	-204	-199	-213	-192	-208	-156	29
-208	-208	-210	-210	-219	-222	-228	-228	-231	-231	-235	-210	-235	-198	30
-241	-239	-239	-239	-239	-239	-234	-235	-238	-237	-236	-238	-244	-234	31
-241	-241	-238	-237	-238	-240	-241	-241	-239	-238	-235	-238	-258	-207	Mean.

Absolute Minimum = -119 on 17th, at 2 a.m.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-235	-237	-237	-235	-235	-235	-233	-222	-221	-222	-221	-224	-222
2	-218	-220	-219	-217	-216	-211	-210	-210	-213	-207	-207	-215	-198
3	-182	-189	-185	-190	-184	-184	-191	-184	-186	-176	-180	-176	-168
4	-178	-180	-179	-185	-185	-185	-184	-184	-177	-182	-180	-182	-180
5	-189	-188	-186	-200	-213	-218	-198	-196	-202	-205	-205	-200	-194
6	-204	-190	-186	-186	-186	-190	-192	-200	-200	-201	-201	-204	-209
7	-246	-249	-248	-249	-249	-247	-249	-250	-251	-246	-241	-238	-235
8	-184	-184	-185	-198	-192	-201	-211	-215	-222	-234	-241	-240	-257
9	-241	-241	-239	-239	-237	-234	-235	-227	-223	-223	-223	-225	-224
10	-245	-245	-245	-244	-246	-247	-246	-249	-260	-254	-257	-261	-262
11	-245	-245	-233	-187	-180	-159	-150	-150	-148	-143	-137	-138	-136
12	-165	-173	-177	-177	-179	-179	-179	-177	-177	-178	-172	-169	-165
13	-205	-215	-220	-226	-225	-231	-229	-234	-240	-242	-246	-250	-255
14	-271	-273	-274	-275	-275	-275	-273	-274	-275	-275	-276	-275	-269
15	-252	-251	-251	-256	-256	-256	-256	-256	-260	-260	-260	-260	-260
16	-245	-243	-231	-204	-202	-190	-186	-175	-172	-171	-163	-140	-167
17	-210	-220	-222	-223	-229	-232	-233	-233	-242	-237	-243	-241	-244
18	-246	-246	-246	-242	-243	-241	-239	-220	-211	-206	-200	-183	-174
19	-174	-179	-181	-191	-196	-196	-198	-200	-204	-204	-211	-222	-231
20	-202	-192	-191	-184	-170	-170	-172	-175	-173	-186	-192	-202	-208
21	-190	-189	-173	-190	-196	-181	-178	-178	-179	-177	-179	-174	-171
22	-170	-170	-180	-184	-188	-194	-191	-193	-200	-200	-200	-217	-220
23	-256	-258	-256	-257	-262	-266	-273	-277	-281	-282	-280	-282	-280
24	-163	-179	-198	-198	-192	-204	-210	-209	-214	-216	-226	-233	-239
25	-207	-201	-203	-203	-209	-208	-207	-207	-202	-207	-196	-211	-217
26	-230	-236	-239	-239	-239	-241	-242	-242	-246	-247	-246	-246	-249
27	-244	-231	-206	-207	-199	-200	-198	-199	-183	-183	-184	-183	-181
28	-210	-213	-213	-225	-234	-224	-223	-223	-220	-192	-199	-211	-204
29	-149	-163	-155	-159	-163	-167	-170	-175	-194	-194	-202	-211	-221
30	-237	-234	-233	-230	-229	-227	-231	-240	-239	-240	-241	-243	-239
Mean.	-213	-215	-213	-213	-213	-211	-211	-212	-214	-213	-214	-215	-216

Absolute Maximum = -282 on 23rd, at 10 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

243

## HOURLY VALUES—continued.

IN INCHES.

JUNE, 1912.

	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
	-219	-217	-215	-219	-216	-217	-216	-215	-217	-215	-218	-224	-237	-215	1
	-209	-232	-232	-224	-222	-218	-218	-218	-218	-209	-190	-215	-232	-190	2
	-178	-162	-162	-157	-168	-168	-161	-161	-168	-167	-166	-175	-191	-157	3
	-178	-175	-174	-173	-170	-170	-171	-174	-178	-181	-186	-178	-186	-170	4
	-200	-196	-192	-188	-186	-184	-183	-186	-185	-187	-188	-196	-218	-183	5
	-211	-222	-228	-233	-211	-213	-218	-224	-227	-235	-237	-207	-237	-186	6
	-234	-212	-209	-196	-194	-188	-182	-186	-183	-179	-181	-224	-251	-179	7
	-255	-246	-239	-237	-243	-245	-248	-251	-251	-248	-240	-226	-257	-184	8
	-220	-226	-232	-236	-240	-235	-243	-245	-248	-245	-244	-234	-248	-220	9
	-254	-256	-249	-247	-252	-255	-255	-269	-255	-253	-250	-252	-269	-244	10
	-136	-141	-141	-141	-140	-139	-141	-143	-144	-150	-155	-157	-245	-136	11
	-164	-162	-167	-171	-177	-183	-186	-190	-190	-193	-201	-176	-201	-162	12
	-249	-245	-245	-246	-249	-255	-256	-263	-264	-266	-272	-241	-272	-205	13
	-267	-264	-275	-275	-275	-272	-272	-259	-256	-246	-252	-270	-276	-246	14
	-260	-261	-261	-261	-261	-259	-258	-256	-254	-251	-249	-257	-261	-249	15
	-147	-149	-164	-180	-196	-198	-196	-196	-201	-203	-208	-189	-245	-140	16
	-252	-250	-250	-249	-248	-244	-246	-246	-247	-247	-246	-241	-252	-210	17
	-167	-157	-155	-163	-169	-165	-165	-165	-166	-166	-170	-198	-246	-155	18
	-230	-231	-234	-227	-225	-218	-208	-209	-204	-204	-204	-207	-234	-174	19
	-228	-234	-232	-212	-220	-215	-210	-204	-204	-190	-202	-198	-234	-170	20
	-162	-170	-174	-180	-178	-179	-181	-180	-178	-173	-170	-178	-196	-161	21
	-236	-252	-256	-256	-256	-249	-256	-261	-257	-256	-256	-219	-257	-170	22
	-277	-262	-244	-231	-217	-201	-188	-181	-169	-169	-163	-244	-282	-163	23
	-241	-249	-252	-251	-246	-231	-222	-220	-210	-208	-208	-218	-252	-163	24
	-216	-217	-220	-218	-217	-223	-221	-219	-225	-232	-234	-212	-234	-196	25
	-248	-241	-239	-241	-246	-246	-246	-253	-251	-251	-251	-244	-253	-230	26
	-176	-173	-175	-177	-184	-193	-198	-202	-209	-208	-210	-197	-244	-173	27
	-196	-209	-198	-190	-184	-178	-174	-165	-159	-149	-148	-198	-234	-148	28
	-224	-234	-234	-236	-236	-239	-239	-239	-237	-237	-237	-202	-239	-149	29
	-242	-247	-249	-251	-253	-260	-267	-272	-265	-255	-241	-244	-272	-227	30
	-216	-216	-213	-216	-216	-215	-214	-215	-214	-211	-213	-214	-242	-185	Mean.

Absolute Minimum = -136 on 11th, from 1 to 2 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date:	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-233	-202	-190	-188	-184	-166	-161	-156	-154	-154	-154	-154	-152
2	-206	-207	-211	-213	-216	-220	-224	-226	-227	-229	-230	-229	-228
3	-233	-232	-232	-230	-230	-230	-231	-232	-232	-230	-232	-245	-246
4	-268	-268	-268	-268	-268	-268	-267	-266	-270	-266	-266	-266	-264
5	-165	-158	-157	-154	-148	-158	-163	-167	-180	-189	-194	-200	-200
6	-179	-167	-171	-157	-142	-154	-150	-136	-149	-157	-153	-149	-161
7	-150	-135	-148	-144	-155	-153	-161	-157	-171	-176	-174	-191	-188
8	-202	-204	-200	-202	-200	-200	-199	-203	-200	-203	-204	-203	-202
9	-198	-194	-193	-192	-187	-184	-173	-176	-166	-166	-163	-162	-154
10	-170	-174	-175	-176	-185	-189	-197	-197	-197	-203	-205	-210	-217
11	-226	-224	-225	-232	-231	-231	-231	-234	-243	-239	-239	-237	-238
12	-240	-246	-245	-246	-246	-246	-246	-241	-240	-240	-240	-244	-242
13	-229	-211	-208	-204	-185	-177	-170	-159	-155	-157	-161	-166	-169
14	-150	-138	-137	-129	-124	-127	-127	-119	-120	-123	-134	-134	-134
15	-180	-177	-173	-177	-183	-186	-179	-177	-190	-193	-199	-199	-201
16	-237	-236	-236	-227	-232	-238	-240	-243	-255	-248	-236	-234	-233
17	-175	-171	-169	-171	-168	-170	-177	-183	-200	-211	-210	-213	-214
18	-244	-241	-244	-243	-239	-239	-239	-239	-229	-229	-229	-232	-235
19	-249	-248	-248	-243	-243	-243	-243	-247	-245	-248	-249	-247	-253
20	-232	-232	-229	-229	-222	-231	-222	-184	-181	-181	-181	-179	-177
21	-227	-224	-222	-220	-217	-215	-200	-198	-186	-193	-196	-202	-178
22	-176	-176	-177	-177	-180	-188	-189	-191	-211	-218	-226	-228	-234
23	-248	-250	-252	-252	-253	-252	-253	-253	-255	-261	-263	-264	-263
24	-264	-264	-264	-264	-262	-260	-259	-257	-255	-253	-254	-256	-253
25	-252	-253	-253	-252	-251	-251	-250	-248	-253	-253	-255	-258	-255
26	-159	-168	-170	-177	-178	-188	-188	-186	-187	-189	-195	-208	-220
27	-209	-209	-218	-217	-234	-236	-236	-236	-237	-232	-233	-235	-232
28	-241	-245	-242	-242	-238	-218	-150	-144	-139	-144	-149	-155	-159
29	-194	-210	-208	-208	-209	-209	-207	-206	-204	-209	-213	-215	-217
30	-202	-220	-221	-219	-227	-227	-229	-230	-232	-239	-241	-235	-237
31	-155	-176	-176	-181	-188	-192	-219	-224	-234	-237	-234	-235	-237
Mean.	-209	-208	-208	-208	-207	-208	-206	-204	-206	-209	-210	-212	-213

Absolute Maximum = -275 on 3rd, at 8 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

245

HOURLY VALUES—*continued.*

IN INCHES.

JULY, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.151	.152	.164	.163	.162	.164	.173	.182	.189	.197	.197	.173	.233	.151	1
.229	.241	.240	.240	.239	.237	.238	.237	.240	.230	.232	.227	.241	.206	2
.252	.256	.258	.257	.261	.267	.275	.270	.266	.266	.246	.246	.275	.230	3
.262	.266	.263	.247	.230	.229	.222	.192	.180	.169	.172	.248	.270	.169	4
.200	.207	.210	.218	.204	.187	.198	.191	.190	.197	.197	.185	.218	.148	5
.160	.151	.154	.137	.139	.144	.129	.127	.135	.145	.149	.151	.179	.127	6
.190	.190	.192	.195	.200	.202	.202	.207	.204	.203	.205	.179	.207	.135	7
.202	.194	.196	.199	.201	.201	.203	.204	.203	.201	.200	.201	.204	.194	8
.162	.164	.169	.170	.177	.175	.171	.166	.164	.166	.168	.174	.196	.154	9
.219	.205	.209	.216	.216	.212	.211	.218	.217	.218	.223	.201	.223	.170	10
.241	.239	.240	.241	.244	.243	.242	.238	.234	.231	.236	.236	.244	.224	11
.242	.242	.244	.244	.251	.255	.256	.263	.260	.258	.254	.247	.263	.240	12
.171	.174	.174	.174	.175	.175	.147	.155	.168	.169	.157	.177	.229	.147	13
.148	.151	.151	.165	.167	.147	.180	.182	.184	.188	.179	.147	.188	.119	14
.200	.204	.208	.210	.212	.218	.219	.221	.222	.222	.227	.198	.227	.173	15
.219	.211	.211	.199	.194	.196	.190	.186	.182	.180	.178	.219	.255	.178	16
.219	.222	.224	.225	.232	.226	.232	.249	.249	.249	.246	.207	.249	.168	17
.237	.230	.233	.242	.248	.251	.256	.256	.256	.256	.255	.230	.256	.229	18
.262	.260	.260	.263	.261	.262	.264	.264	.264	.271	.254	.271	.243	.19	19
.170	.167	.168	.175	.202	.220	.225	.233	.235	.235	.232	.207	.235	.167	20
.188	.188	.181	.170	.178	.176	.167	.165	.171	.172	.174	.193	.227	.165	21
.230	.241	.244	.244	.246	.246	.246	.247	.249	.251	.250	.218	.251	.176	22
.263	.257	.258	.260	.261	.261	.258	.260	.261	.262	.265	.257	.265	.248	23
.252	.248	.246	.248	.249	.250	.249	.248	.240	.240	.250	.254	.264	.240	24
.252	.254	.253	.237	.211	.197	.201	.171	.171	.163	.155	.233	.258	.155	25
.220	.231	.231	.224	.224	.222	.215	.213	.214	.211	.201	.231	.169	26	
.228	.227	.227	.228	.227	.234	.240	.244	.240	.240	.241	.230	.244	.209	27
.161	.159	.161	.163	.165	.168	.174	.172	.179	.182	.186	.182	.245	.139	28
.217	.222	.216	.215	.218	.211	.204	.200	.201	.198	.196	.208	.222	.194	29
.242	.245	.239	.234	.224	.201	.177	.165	.167	.165	.156	.216	.245	.156	30
.234	.227	.228	.231	.234	.236	.241	.241	.243	.239	.245	.219	.245	.155	31
.215	.214	.215	.214	.215	.213	.213	.212	.212	.212	.212	.211	.237	.180	Mean.

Absolute Minimum = .110 on 14th, at 8 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE.

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-240	-237	-236	-236	-234	-234	-234	-224	-196	-183	-193	-184	-204
2	-204	-203	-192	-177	-167	-171	-139	-116	-124	-116	-129	-130	-154
3	-136	-144	-136	-138	-156	-137	-145	-131	-155	-167	-172	-176	-178
4	-234	-234	-235	-234	-233	-232	-224	-218	-221	-226	-227	-231	-215
5	-185	-181	-184	-186	-165	-182	-165	-170	-155	-172	-179	-180	-182
6	-213	-201	-203	-193	-199	-221	-218	-216	-216	-225	-227	-244	-249
7	-239	-237	-234	-211	-210	-209	-210	-209	-215	-218	-201	-212	-220
8	-184	-184	-191	-185	-167	-162	-168	-164	-170	-160	-160	-164	-165
9	-173	-150	-178	-147	-157	-154	-155	-155	-153	-155	-150	-140	-163
10	-137	-157	-127	-112	-098	-091	-103	-104	-123	-098	-098	-096	-093
11	-117	-118	-126	-134	-140	-137	-131	-122	-160	-172	-168	-156	-158
12	-192	-200	-202	-202	-210	-214	-222	-223	-225	-225	-229	-220	-233
13	-252	-252	-252	-252	-251	-252	-240	-240	-249	-253	-253	-253	-253
14	-204	-200	-200	-200	-196	-197	-195	-194	-194	-193	-191	-194	-196
15	-240	-233	-226	-226	-225	-199	-176	-165	-163	-168	-172	-174	-188
16	-220	-232	-233	-238	-243	-246	-247	-255	-259	-253	-247	-250	-252
17	-243	-241	-237	-237	-238	-238	-238	-238	-239	-234	-234	-246	-249
18	-222	-225	-225	-228	-229	-247	-253	-256	-256	-261	-271	-277	-267
19	-223	-225	-230	-234	-241	-243	-249	-259	-262	-266	-268	-268	-268
20	-218	-218	-217	-215	-213	-214	-213	-217	-216	-218	-201	-203	-219
21	-181	-188	-212	-205	-199	-205	-194	-190	-172	-200	-167	-165	-180
22	-172	-168	-163	-166	-164	-169	-164	-164	-172	-183	-198	-207	-214
23	-232	-248	-249	-250	-251	-255	-257	-269	-269	-274	-273	-273	-281
24	-283	-283	-272	-260	-250	-249	-245	-239	-232	-229	-232	-237	-233
25	-247	-248	-249	-247	-249	-248	-251	-256	-267	-265	-265	-273	-271
26	-263	-263	-268	-268	-268	-269	-269	-270	-267	-267	-268	-268	-263
27	-239	-239	-230	-232	-229	-229	-227	-227	-218	-205	-209	-205	-206
28	-213	-223	-222	-222	-225	-227	-230	-236	-261	-269	-264	-268	-262
29	-254	-261	-261	-261	-256	-254	-254	-259	-261	-267	-268	-270	-269
30	-218	-213	-207	-204	-202	-202	-200	-200	-208	-209	-210	-206	-207
31	-212	-212	-215	-215	-208	-208	-211	-211	-214	-214	-222	-222	-225
Mean:	-213	-213	-214	-210	-209	-209	-207	-206	-210	-211	-211	-214	-213

Absolute Maximum = -284 on 23rd, from 6 p.m. to midnight.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued...*

IN INCHES.

AUGUST, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.194	.181	.179	.187	.187	.195	.193	.194	.195	.195	.197	.206	.240	.179	1
.172	.163	.168	.153	.158	.142	.139	.128	.132	.132	.130	.153	.204	.116	2
.187	.194	.204	.216	.224	.223	.226	.234	.234	.234	.234	.180	.234	.131	3
.224	.219	.226	.224	.222	.224	.208	.219	.195	.200	.204	.221	.235	.195	4
.189	.202	.208	.222	.231	.235	.236	.245	.243	.244	.216	.198	.245	.155	5
.247	.247	.249	.247	.247	.247	.246	.250	.256	.257	.263	.232	.263	.193	6
.220	.222	.204	.188	.187	.180	.189	.184	.175	.156	.165	.206	.239	.156	7
.167	.165	.154	.144	.160	.163	.154	.157	.135	.132	.145	.163	.191	.132	8
.156	.165	.176	.176	.175	.183	.170	.172	.153	.152	.131	.100	.183	.131	9
.106	.106	.113	.109	.112	.145	.141	.138	.120	.144	.111	.116	.157	.091	10
.180	.159	.149	.169	.179	.177	.177	.178	.187	.187	.186	.156	.189	.117	11
.238	.240	.240	.241	.245	.249	.252	.251	.251	.252	.252	.229	.252	.192	12
.253	.253	.253	.247	.243	.219	.215	.210	.211	.204	.204	.241	.253	.204	13
.189	.184	.202	.213	.219	.223	.236	.241	.243	.246	.242	.207	.246	.184	14
.188	.190	.188	.185	.185	.188	.190	.192	.191	.192	.192	.195	.240	.163	15
.253	.248	.246	.241	.241	.240	.241	.233	.234	.235	.237	.244	.259	.220	16
.243	.236	.229	.206	.196	.194	.204	.218	.218	.219	.220	.229	.249	.194	17
.266	.264	.259	.251	.249	.250	.249	.232	.232	.222	.217	.247	.277	.217	18
.266	.258	.257	.256	.254	.232	.227	.222	.222	.222	.218	.245	.268	.218	19
.214	.219	.230	.224	.192	.206	.208	.207	.203	.213	.201	.213	.230	.192	20
.145	.201	.180	.167	.166	.168	.169	.163	.182	.172	.158	.181	.212	.145	21
.204	.194	.193	.195	.208	.213	.214	.218	.220	.226	.229	.191	.229	.163	22
.281	.281	.281	.284	.284	.284	.284	.284	.284	.284	.284	.269	.284	.232	23
.230	.230	.231	.234	.244	.249	.248	.246	.247	.248	.246	.246	.283	.229	24
.270	.269	.249	.249	.247	.245	.245	.254	.258	.263	.263	.256	.273	.245	25
.264	.258	.254	.259	.259	.267	.266	.269	.266	.249	.248	.264	.270	.248	26
.217	.216	.214	.212	.214	.216	.216	.218	.216	.212	.215	.219	.239	.205	27
.257	.258	.264	.265	.270	.256	.257	.260	.258	.258	.258	.248	.270	.213	28
.266	.261	.249	.249	.236	.236	.241	.241	.228	.225	.216	.253	.270	.216	29
.213	.211	.214	.217	.217	.211	.209	.207	.208	.207	.211	.209	.218	.200	30
.224	.222	.217	.209	.202	.202	.198	.199	.199	.199	.199	.211	.225	.198	31
.217	.216	.215	.214	.215	.215	.214	.215	.213	.212	.210	.212	.240	.183	Mean.

Absolute Minimum = .091 on 10th, at 6 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.203	.207	.202	.199	.198	.198	.197	.198	.188	.206	.208	.209	.208
2	.199	.207	.214	.219	.225	.225	.226	.229	.235	.236	.236	.236	.236
3	.251	.254	.254	.252	.250	.250	.253	.253	.254	.253	.253	.253	.252
4	.268	.262	.261	.261	.261	.261	.258	.255	.260	.257	.261	.264	.264
5	.262	.262	.268	.268	.273	.278	.278	.278	.275	.278	.278	.281	.282
6	.272	.272	.272	.272	.272	.272	.272	.270	.258	.269	.269	.267	
7	.251	.251	.251	.251	.251	.249	.249	.249	.254	.254	.256	.257	.257
8	.252	.252	.252	.252	.252	.250	.259	.260	.264	.267	.271	.276	.278
9	.268	.262	.264	.268	.258	.258	.254	.248	.246	.251	.232	.232	.231
10	.202	.193	.205	.217	.217	.223	.223	.212	.227	.233	.239	.248	.260
11	.269	.220	.223	.209	.206	.206	.202	.190	.200	.196	.209	.195	.207
12	.196	.198	.198	.200	.205	.209	.213	.219	.222	.220	.220	.225	.228
13	.193	.180	.161	.161	.173	.172	.165	.165	.156	.173	.186	.187	.194
14	.204	.204	.205	.221	.233	.243	.252	.263	.268	.281	.281	.281	.281
15	.258	.258	.255	.255	.240	.240	.242	.250	.258	.256	.261	.256	.263
16	.249	.249	.249	.249	.249	.246	.246	.246	.250	.248	.251	.257	.247
17	.239	.240	.239	.241	.231	.234	.234	.242	.245	.254	.256	.249	.254
18	.226	.213	.207	.204	.183	.174	.162	.152	.145	.144	.131	.127	.118
19	.161	.153	.153	.160	.161	.166	.168	.169	.169	.158	.160	.135	.167
20	.169	.160	.160	.163	.156	.169	.176	.177	.180	.202	.207	.191	.193
21	.183	.174	.174	.172	.172	.170	.170	.170	.169	.166	.174	.170	.171
22	.172	.185	.201	.206	.205	.205	.205	.202	.209	.209	.209	.232	.247
23	.193	.201	.201	.198	.199	.202	.202	.202	.202	.200	.191	.193	.192
24	.215	.218	.220	.226	.225	.226	.228	.231	.236	.240	.240	.238	.236
25	.183	.180	.187	.159	.177	.158	.156	.156	.148	.147	.151	.151	.156
26	.172	.174	.174	.168	.164	.144	.143	.129	.131	.128	.130	.133	.146
27	.154	.155	.160	.177	.172	.178	.171	.164	.153	.149	.151	.153	.155
28	.190	.193	.193	.197	.197	.201	.209	.219	.224	.227	.231	.221	.228
29	.195	.203	.210	.197	.199	.207	.205	.219	.218	.229	.242	.253	.261
30	.274	.272	.287	.264	.264	.264	.264	.264	.262	.268	.268	.277	.262
Mean.	.217	.215	.215	.216	.215	.216	.216	.216	.217	.215	.221	.221	.223

Absolute Maximum = .287 on 30th, at 3 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

IN INCHES.

SEPTEMBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-207	-206	-203	-200	-197	-198	-201	-198	-199	-200	-201	-201	-209	-188	1
-246	-245	-240	-246	-246	-246	-246	-250	-251	-251	-251	-234	-251	-199	2
-254	-255	-255	-255	-255	-255	-261	-266	-267	-268	-268	-256	-268	-250	3
-267	-270	-271	-270	-267	-268	-268	-267	-267	-262	-262	-264	-271	-255	4
-280	-277	-274	-274	-274	-274	-273	-272	-272	-272	-272	-274	-282	-262	5
-263	-258	-261	-254	-254	-254	-251	-251	-251	-251	-251	-263	-272	-251	6
-259	-261	-262	-260	-261	-261	-261	-254	-254	-254	-252	-255	-262	-249	7
-264	-270	-270	-274	-275	-271	-271	-272	-271	-271	-268	-264	-278	-250	8
-246	-237	-234	-230	-219	-206	-195	-198	-195	-196	-181	-235	-268	-181	9
-260	-266	-266	-267	-272	-277	-277	-277	-277	-277	-272	-243	-277	-193	10
-207	-211	-218	-223	-217	-205	-207	-205	-205	-201	-188	-211	-269	-188	11
-220	-233	-215	-213	-205	-198	-196	-194	-194	-193	-195	-209	-233	-193	12
-212	-232	-231	-220	-210	-210	-204	-200	-200	-200	-202	-191	-232	-155	13
-281	-285	-285	-285	-285	-275	-262	-262	-262	-259	-260	-285	-285	-204	14
-263	-266	-273	-273	-267	-263	-250	-249	-246	-249	-249	-255	-273	-240	15
-250	-250	-255	-256	-256	-257	-257	-249	-243	-243	-239	-249	-257	-239	16
-261	-253	-251	-245	-248	-248	-250	-250	-247	-231	-228	-245	-261	-228	17
-113	-130	-134	-121	-119	-124	-130	-145	-178	-163	-164	-156	-226	-113	18
-155	-165	-171	-167	-157	-167	-178	-174	-182	-174	-169	-164	-182	-135	19
-189	-190	-206	-185	-194	-155	-159	-157	-189	-190	-187	-179	-207	-155	20
-170	-171	-169	-169	-162	-154	-151	-154	-152	-153	-168	-167	-183	-151	21
-234	-226	-225	-216	-208	-205	-201	-201	-203	-199	-199	-202	-247	-172	22
-190	-190	-191	-191	-191	-193	-194	-205	-207	-210	-213	-198	-213	-190	23
-244	-244	-245	-239	-230	-218	-207	-205	-196	-198	-191	-226	-245	-191	24
-155	-157	-163	-169	-178	-168	-174	-167	-167	-170	-160	-166	-187	-147	25
-140	-140	-140	-147	-147	-155	-161	-157	-151	-155	-155	-149	-174	-128	26
-155	-155	-159	-163	-167	-171	-174	-182	-185	-192	-192	-165	-192	-149	27
-230	-210	-217	-215	-198	-187	-188	-184	-191	-192	-188	-206	-231	-184	28
-267	-272	-272	-272	-272	-275	-275	-275	-275	-274	-237	-275	-275	-195	29
-250	-204	-202	-201	-215	-240	-232	-217	-230	-236	-240	-248	-287	-201	30
-221	-224	-225	-220	-218	-219	-219	-217	-220	-220	-216	-219	-243	-195	Mean.

Absolute Minimum = -113 on 18th, at 2 p.m.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.222	.239	.220	.224	.241	.244	.260	.264	.261	.261	.261	.265	.268
2	.216	.216	.221	.222	.244	.238	.238	.242	.247	.256	.254	.239	.242
3	.233	.221	.224	.233	.233	.228	.233	.212	.202	.216	.219	.216	.221
4	.200	.200	.204	.200	.200	.192	.188	.196	.188	.215	.226	.223	.220
5	.267	.267	.268	.269	.267	.268	.265	.263	.255	.247	.213	.197	.198
6	.163	.157	.156	.156	.170	.178	.202	.202	.210	.209	.203	.215	.223
7	.234	.238	.238	.238	.237	.243	.253	.253	.265	.273	.270	.270	.270
8	.275	.275	.275	.265	.238	.230	.230	.227	.229	.230	.255	.256	.258
9	.239	.228	.222	.218	.233	.221	.222	.215	.184	.185	.179	.183	.204
10	.237	.232	.227	.225	.230	.231	.244	.239	.256	.232	.248	.262	.275
11	.273	.273	.277	.277	.278	.286	.282	.275	.273	.270	.263	.263	.255
12	.192	.188	.188	.192	.187	.189	.177	.173	.195	.215	.198	.197	.198
13	.134	.134	.141	.137	.149	.156	.128	.140	.165	.167	.178	.187	.150
14	.143	.137	.132	.137	.153	.169	.162	.137	.159	.162	.142	.170	.139
15	.219	.187	.192	.180	.147	.154	.144	.152	.152	.152	.154	.144	.160
16	.162	.157	.168	.168	.162	.156	.166	.180	.187	.180	.183	.190	.186
17	.251	.251	.254	.255	.257	.257	.260	.261	.261	.268	.266	.269	.269
18	.273	.273	.273	.273	.273	.270	.267	.267	.269	.269	.263	.263	.263
19	.244	.242	.208	.206	.210	.210	.195	.198	.203	.214	.218	.200	.237
20	.261	.256	.252	.261	.240	.228	.221	.238	.217	.233	.236	.247	.256
21	.163	.142	.159	.156	.158	.177	.188	.203	.198	.177	.187	.193	.190
22	.213	.213	.214	.217	.215	.227	.228	.234	.245	.238	.245	.248	.248
23	.236	.223	.214	.210	.207	.185	.169	.169	.197	.180	.186	.181	.152
24	.211	.218	.215	.220	.224	.236	.250	.225	.197	.186	.180	.185	.169
25	.176	.152	.141	.144	.138	.152	.181	.168	.172	.175	.206	.215	.220
26	.193	.195	.198	.191	.184	.181	.187	.173	.192	.200	.196	.201	.204
27	.184	.191	.202	.208	.211	.214	.225	.223	.233	.240	.249	.264	.266
28	.268	.259	.259	.259	.233	.207	.196	.192	.187	.175	.164	.167	.172
29	.205	.221	.228	.219	.216	.219	.208	.198	.202	.214	.229	.197	.183
30	.174	.187	.218	.213	.221	.218	.213	.226	.239	.230	.226	.233	.251
31	.215	.212	.215	.217	.217	.210	.219	.209	.212	.218	.220	.210	.206
Mean.	.215	.212	.213	.213	.212	.212	.213	.211	.214	.215	.217	.218	.218

Absolute Maximum = .286 on 11th, at 6 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

251

## HOURLY VALUES—continued...

IN INCHES.

OCTOBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-268	-269	-269	-269	-252	-266	-251	-263	-248	-237	-222	-253	-269	-222	1
-238	-216	-232	-231	-246	-247	-245	-250	-250	-239	-232	-237	-256	-216	2
-233	-190	-183	-184	-191	-208	-207	-230	-210	-205	-202	-214	-233	-183	3
-215	-207	-217	-232	-241	-256	-269	-271	-268	-268	-268	-222	-271	-188	4
-181	-182	-180	-181	-192	-204	-188	-193	-210	-197	-192	-224	-269	-180	5
-227	-229	-229	-234	-234	-234	-244	-229	-232	-232	-234	-207	-244	-156	6
-279	-279	-281	-284	-284	-284	-281	-281	-275	-275	-275	-264	-284	-234	7
-261	-261	-261	-261	-252	-246	-245	-241	-241	-241	-241	-249	-275	-227	8
-192	-182	-176	-192	-204	-198	-194	-220	-228	-224	-230	-207	-239	-176	9
-281	-278	-270	-270	-276	-276	-278	-278	-276	-276	-274	-256	-281	-225	10
-260	-260	-257	-259	-259	-253	-217	-208	-194	-185	-190	-254	-286	-185	11
-202	-202	-203	-198	-198	-192	-179	-179	-165	-184	-138	-191	-215	-138	12
-152	-157	-156	-146	-142	-145	-152	-163	-154	-143	-143	-152	-187	-128	13
-146	-176	-185	-185	-184	-212	-208	-205	-212	-206	-204	-168	-212	-132	14
-142	-148	-156	-156	-162	-176	-189	-195	-180	-176	-168	-166	-219	-142	15
-190	-190	-199	-205	-213	-224	-235	-238	-240	-244	-246	-192	-246	-156	16
-269	-269	-269	-274	-278	-278	-278	-273	-273	-273	-273	-266	-278	-251	17
-263	-262	-262	-262	-262	-262	-262	-259	-259	-256	-246	-265	-273	-246	18
-242	-238	-234	-254	-251	-261	-264	-266	-266	-266	-261	-233	-266	-195	19
-252	-207	-192	-166	-147	-138	-157	-128	-155	-127	-130	-209	-261	-127	20
-167	-168	-181	-149	-179	-182	-192	-193	-202	-202	-208	-177	-208	-142	21
-247	-250	-272	-275	-254	-257	-263	-266	-251	-251	-251	-242	-275	-213	22
-170	-179	-190	-136	-136	-136	-182	-173	-183	-182	-196	-183	-236	-136	23
-161	-149	-147	-181	-165	-201	-182	-164	-189	-185	-184	-193	-250	-147	24
-208	-217	-224	-202	-190	-192	-175	-179	-184	-189	-179	-182	-224	-138	25
-213	-213	-209	-212	-213	-210	-204	-198	-191	-200	-181	-197	-213	-173	26
-269	-267	-272	-275	-278	-279	-280	-277	-277	-277	-277	-245	-280	-184	27
-170	-172	-168	-194	-199	-197	-196	-197	-191	-193	-197	-202	-268	-164	28
-170	-187	-172	-207	-169	-168	-169	-174	-164	-193	-184	-196	-229	-164	29
-263	-261	-256	-253	-253	-255	-253	-253	-246	-224	-211	-232	-263	-174	30
-212	-222	-261	-251	-239	-234	-244	-236	-230	-227	-230	-223	-261	-206	31
-218	-216	-218	-219	-218	-222	-222	-222	-221	-219	-215	-216	-251	-179	Mean.

Absolute Minimum = -127 on 20th, at 11 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.236	.245	.246	.253	.258	.262	.260	.269	.272	.277	.276	.265	.276
2	.272	.271	.272	.272	.272	.272	.274	.275	.275	.273	.274	.274	.274
3	.185	.171	.182	.158	.158	.178	.165	.179	.190	.148	.170	.201	.179
4	.233	.230	.230	.230	.227	.227	.233	.229	.244	.251	.251	.257	.265
5	.190	.161	.163	.142	.168	.158	.140	.140	.159	.140	.140	.142	.168
6	.205	.205	.197	.197	.191	.202	.224	.219	.219	.230	.230	.237	.254
7	.226	.228	.223	.221	.240	.246	.256	.244	.236	.240	.250	.241	.238
8	.214	.206	.196	.190	.186	.189	.188	.196	.202	.187	.200	.205	.193
9	.155	.161	.167	.163	.157	.164	.179	.190	.206	.216	.226	.231	.234
10	.250	.257	.253	.244	.234	.250	.258	.262	.280	.290	.290	.290	.290
11	.255	.255	.255	.255	.255	.260	.260	.257	.264	.263	.280	.278	.275
12	.248	.248	.247	.243	.243	.247	.244	.253	.252	.254	.251	.266	.275
13	.249	.249	.250	.250	.250	.252	.255	.260	.263	.263	.264	.260	.266
14	.262	.263	.261	.262	.263	.264	.264	.265	.276	.288	.284	.281	.287
15	.266	.262	.260	.260	.257	.243	.243	.241	.241	.226	.222	.223	.248
16	.219	.223	.232	.234	.165	.160	.185	.164	.174	.190	.225	.216	.236
17	.220	.224	.229	.222	.218	.224	.220	.231	.217	.231	.216	.200	.195
18	.230	.234	.235	.240	.235	.239	.240	.242	.237	.231	.219	.232	.241
19	.205	.216	.210	.186	.195	.210	.223	.234	.257	.257	.260	.265	
20	.228	.231	.234	.222	.209	.221	.191	.200	.185	.211	.213	.186	.182
21	.176	.181	.182	.182	.181	.177	.193	.188	.189	.182	.180	.180	.193
22	.205	.205	.201	.201	.201	.198	.200	.192	.216	.201	.210	.240	.246
23	.271	.271	.278	.278	.278	.278	.278	.291	.298	.303	.297	.288	.255
24	.247	.247	.250	.250	.250	.247	.266	.281	.273	.278	.277	.277	.277
25	.202	.193	.188	.204	.195	.164	.159	.159	.155	.148	.164	.158	
26	.181	.186	.207	.204	.202	.204	.193	.228	.182	.177	.191	.234	.172
27	.161	.165	.184	.176	.186	.146	.157	.175	.164	.173	.186	.192	.185
28	.249	.249	.249	.251	.251	.260	.274	.275	.286	.283	.280	.292	.292
29	.257	.263	.269	.269	.269	.269	.272	.266	.278	.284	.265	.273	.273
30	.246	.263	.269	.269	.269	.269	.266	.266	.278	.275	.287	.288	.284
Mean.	.224	.225	.227	.224	.222	.222	.226	.228	.232	.232	.235	.233	.237

Absolute Maximum = 303 on 23rd, at 10 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

253

## HOURLY VALUES—continued.

IN INCHES.

NOVEMBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Hourly mean.	Maximum.	Minimum.	Date.
.275	.275	.273	.271	.270	.270	.269	.269	.270	.270	.271	.264	.277	.236	1
.273	.277	.270	.267	.254	.233	.228	.220	.199	.193	.171	.257	.277	.171	2
.167	.165	.178	.203	.203	.213	.208	.219	.222	.233	.233	.186	.233	.148	3
.266	.264	.266	.263	.253	.250	.210	.166	.158	.183	.166	.233	.266	.158	4
.172	.174	.185	.186	.184	.184	.179	.170	.184	.190	.191	.167	.191	.140	5
.254	.256	.243	.246	.246	.249	.252	.256	.257	.258	.237	.231	.258	.191	6
.242	.229	.228	.233	.232	.227	.228	.236	.232	.227	.217	.235	.256	.217	7
.193	.191	.166	.158	.162	.163	.165	.169	.163	.164	.162	.185	.214	.158	8
.267	.268	.265	.263	.263	.254	.252	.253	.253	.253	.245	.218	.268	.155	9
.290	.290	.279	.272	.274	.268	.280	.262	.263	.254	.254	.268	.290	.234	10
.275	.292	.282	.282	.271	.267	.265	.256	.250	.252	.247	.263	.262	.247	11
.268	.266	.263	.258	.255	.249	.248	.247	.247	.247	.249	.251	.275	.243	12
.274	.274	.262	.258	.256	.259	.256	.256	.258	.259	.260	.259	.274	.249	13
.284	.281	.270	.270	.270	.270	.270	.274	.272	.271	.266	.271	.288	.261	14
.234	.236	.215	.180	.192	.190	.195	.213	.170	.212	.228	.228	.266	.170	15
.234	.227	.228	.203	.211	.229	.229	.210	.211	.209	.205	.209	.236	.160	16
.196	.175	.224	.200	.200	.202	.209	.222	.221	.224	.229	.214	.231	.175	17
.206	.207	.202	.204	.206	.202	.194	.191	.204	.194	.199	.219	.242	.191	18
.270	.273	.268	.268	.264	.261	.259	.256	.256	.256	.255	.243	.273	.186	19
.182	.188	.180	.164	.179	.169	.168	.168	.166	.170	.177	.194	.234	.164	20
.190	.198	.202	.205	.204	.201	.201	.202	.205	.205	.191	.205	.176		21
.250	.254	.286	.265	.259	.271	.271	.271	.271	.271	.271	.238	.286	.192	22
.267	.264	.256	.258	.258	.258	.258	.264	.250	.247	.247	.271	.303	.247	23
.277	.273	.263	.261	.261	.270	.272	.269	.268	.211	.209	.261	.281	.209	24
.155	.156	.152	.174	.192	.173	.182	.165	.155	.155	.172	.170	.204	.148	25
.200	.197	.188	.190	.186	.175	.162	.168	.154	.154	.184	.188	.228	.154	26
.190	.190	.203	.215	.228	.234	.238	.245	.245	.249	.196	.249	.146		27
.279	.278	.267	.264	.258	.253	.247	.248	.251	.242	.254	.264	.292	.242	28
.282	.284	.269	.256	.256	.256	.259	.248	.247	.247	.246	.261	.284	.246	29
.274	.274	.278	.278	.282	.281	.274	.274	.269	.269	.266	.272	.288	.246	30
.239	.237	.237	.230	.230	.232	.233	.227	.226	.226	.226	.230	.258	.195	Mean.

Absolute Minimum = .140 on 5th, at 7 a.m., and 8 a.m., 10 a.m., and 11 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m..
1	.269	.274	.276	.279	.282	.282	.284	.290	.296	.296	.296	.290	.290
2	.271	.272	.272	.272	.272	.272	.280	.282	.289	.285	.290	.287	.284
3	.213	.216	.220	.215	.217	.192	.223	.181	.204	.210	.217	.234	.221
4	.172	.185	.161	.165	.171	.178	.188	.191	.183	.176	.135	.140	.161
5	.207	.212	.219	.229	.241	.255	.271	.277	.280	.273	.272	.278	.272
6	.270	.271	.269	.269	.282	.287	.288	.290	.298	.306	.306	.308	.309
7	.280	.289	.261	.252	.249	.243	.240	.236	.231	.229	.232	.224	.239
8	.280	.278	.274	.274	.278	.281	.286	.296	.292	.292	.292	.292	.295
9	.270	.270	.270	.270	.271	.271	.271	.285	.295	.295	.311	.301	.299
10	.288	.288	.287	.288	.290	.284	.285	.301	.307	.310	.316	.317	.313
11	.295	.303	.279	.291	.265	.263	.271	.275	.271	.274	.283	.283	.281
12	.260	.257	.255	.267	.228	.228	.253	.232	.224	.227	.237	.246	.274
13	.290	.291	.295	.304	.303	.304	.304	.304	.310	.310	.310	.306	.312
14	.265	.266	.267	.268	.269	.269	.281	.284	.273	.260	.273	.270	.266
15	.257	.257	.250	.255	.257	.257	.262	.265	.268	.275	.280	.270	.260
16	.230	.230	.230	.236	.233	.234	.218	.207	.206	.211	.212	.246	.189
17	.202	.197	.196	.201	.195	.178	.197	.206	.192	.196	.170	.191	.192
18	.162	.148	.167	.163	.164	.161	.176	.190	.192	.222	.238	.195	.211
19	.187	.192	.195	.205	.210	.231	.250	.239	.238	.230	.217	.229	.230
20	.254	.270	.244	.241	.221	.220	.214	.215	.222	.237	.228	.234	.238
21	.199	.186	.181	.178	.185	.193	.187	.206	.215	.246	.247	.291	.291
22	.295	.295	.295	.295	.295	.299	.300	.300	.305	.306	.306	.306	.306
23	.251	.253	.255	.261	.269	.263	.277	.283	.276	.286	.300	.290	.290
24	.298	.298	.298	.295	.301	.301	.301	.301	.304	.301	.298	.313	.332
25	.295	.295	.295	.295	.295	.304	.312	.326	.326	.313	.327	.330	.331
26	.266	.256	.269	.266	.271	.288	.303	.307	.312	.304	.293	.285	.242
27	.281	.286	.290	.296	.296	.296	.304	.310	.310	.310	.314	.320	.319
28	.248	.244	.235	.232	.238	.246	.262	.269	.290	.290	.264	.279	.276
29	.226	.241	.247	.239	.218	.225	.247	.252	.264	.261	.249	.242	.276
30	.234	.266	.240	.243	.221	.220	.259	.274	.263	.266	.256	.250	.244
31	.236	.240	.249	.252	.263	.269	.271	.277	.307	.283	.278	.283	.287
Mean.	.250	.249	.250	.251	.247	.248	.260	.263	.266	.267	.266	.269	.269

Absolute Maximum = 332 on 24th, at 1 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

255

HOURLY VALUES—*continued.*

IN INCHES.

DECEMBER, 1912.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.286	.295	.282	.279	.278	.276	.273	.269	.267	.267	.273	.281	.296	.267	1
.279	.273	.237	.235	.231	.217	.204	.177	.205	.193	.203	.255	.290	.177	2
.229	.232	.218	.220	.215	.215	.205	.197	.190	.187	.180	.211	.234	.180	3
.153	.155	.155	.155	.155	.162	.165	.177	.190	.205	.205	.167	.205	.135	4
.273	.271	.261	.259	.265	.263	.261	.268	.268	.269	.270	.258	.280	.207	5
.310	.306	.306	.306	.306	.309	.310	.308	.299	.291	.298	.310	.269	.269	6
.228	.230	.250	.258	.249	.249	.252	.256	.262	.270	.274	.250	.280	.224	7
.298	.202	.290	.282	.282	.278	.271	.271	.269	.269	.271	.283	.298	.269	8
.295	.294	.300	.297	.298	.295	.299	.296	.293	.289	.288	.288	.311	.270	9
.308	.301	.296	.306	.312	.307	.317	.311	.307	.304	.304	.302	.317	.284	10
.280	.270	.272	.292	.278	.282	.278	.277	.275	.273	.265	.279	.303	.263	11
.270	.272	.274	.271	.275	.273	.274	.274	.277	.285	.289	.259	.280	.224	12
.302	.301	.300	.296	.290	.288	.275	.267	.267	.265	.264	.295	.312	.264	13
.262	.256	.267	.261	.259	.257	.249	.249	.252	.252	.258	.264	.284	.249	14
.230	.229	.215	.208	.225	.220	.226	.232	.230	.230	.230	.246	.280	.208	15
.169	.182	.204	.211	.213	.213	.203	.190	.199	.190	.199	.211	.246	.169	16
.205	.186	.171	.186	.195	.187	.182	.181	.163	.170	.178	.188	.206	.163	17
.196	.198	.167	.166	.210	.213	.190	.178	.181	.178	.187	.185	.238	.148	18
.225	.222	.228	.241	.248	.247	.251	.255	.257	.260	.258	.230	.260	.187	19
.243	.240	.247	.243	.244	.220	.243	.208	.195	.188	.201	.231	.270	.188	20
.297	.286	.290	.287	.288	.291	.289	.298	.298	.292	.295	.249	.298	.178	21
.310	.330	.329	.328	.324	.326	.320	.310	.310	.292	.273	.307	.330	.273	22
.292	.295	.302	.301	.304	.301	.300	.296	.298	.298	.298	.284	.304	.251	23
.313	.310	.321	.311	.307	.302	.301	.298	.294	.294	.293	.304	.332	.293	24
.327	.315	.309	.294	.295	.296	.296	.283	.272	.272	.268	.303	.331	.268	25
.275	.265	.283	.280	.287	.285	.284	.281	.281	.281	.281	.281	.312	.242	26
.302	.301	.307	.317	.311	.303	.294	.298	.281	.282	.271	.300	.320	.271	27
.252	.239	.241	.255	.241	.247	.248	.250	.229	.234	.234	.253	.290	.229	28
.279	.277	.274	.278	.270	.271	.280	.271	.271	.269	.240	.256	.280	.218	29
.231	.226	.232	.233	.227	.212	.218	.223	.229	.229	.237	.239	.274	.212	30
.287	.242	.230	.240	.232	.244	.240	.236	.227	.223	.232	.255	.307	.223	31
.265	.261	.260	.261	.262	.260	.258	.254	.252	.251	.252	.258	.287	.226	Mean.

Absolute Minimum = .135 on 4th, at 11 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED.

## MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon	1 p.m.
1	.225	.220	.219	.224	.236	.256	.264	.274	.287	.291	.288	.308	.304
2	.278	.278	.278	.278	.278	.278	.281	.290	.291	.297	.285	.279	.272
3	.236	.240	.237	.256	.247	.256	.267	.268	.279	.284	.284	.292	.296
4	.255	.256	.255	.257	.261	.266	.268	.271	.278	.275	.269	.247	.238
5	.276	.268	.232	.213	.203	.192	.191	.200	.216	.226	.217	.215	.249
6	.298	.272	.257	.256	.260	.258	.269	.258	.267	.247	.254	.276	.253
7	.214	.203	.203	.196	.206	.208	.201	.227	.237	.219	.221	.199	.251
8	.267	.264	.264	.269	.269	.257	.237	.240	.234	.198	.212	.226	.222
9	.237	.228	.227	.228	.229	.228	.226	.226	.232	.239	.259	.258	.260
10	.205	.203	.200	.207	.213	.198	.208	.227	.233	.247	.246	.260	.250
11	.238	.215	.224	.220	.184	.207	.193	.186	.187	.182	.210	.266	.218
12	.189	.211	.216	.203	.233	.241	.247	.245	.235	.244	.264	.287	.284
13	.258	.245	.252	.243	.236	.240	.236	.212	.238	.244	.251	.259	.262
14	.272	.272	.273	.274	.288	.297	.287	.262	.271	.252	.261	.266	.255
15	.232	.223	.230	.223	.220	.227	.238	.249	.262	.284	.269	.272	.291
16	.233	.246	.251	.257	.243	.236	.217	.214	.234	.231	.247	.233	.239
17	.234	.279	.282	.289	.289	.289	.288	.283	.279	.246	.226	.248	.225
18	.272	.264	.252	.261	.246	.252	.257	.268	.275	.292	.300	.302	.310
19	.277	.278	.280	.280	.277	.275	.278	.280	.308	.296	.301	.290	.288
20	.222	.218	.222	.218	.212	.228	.241	.228	.230	.236	.244	.258	.262
21	.203	.198	.199	.191	.184	.207	.204	.213	.218	.214	.215	.230	.239
22	.216	.216	.216	.214	.210	.211	.232	.237	.251	.235	.236	.216	.225
23	.272	.271	.274	.274	.269	.271	.268	.267	.279	.285	.290	.286	.279
24	.244	.242	.240	.228	.241	.241	.228	.224	.231	.221	.251	.272	.257
25	.245	.277	.278	.278	.280	.280	.280	.283	.297	.292	.278	.305	.298
26	.239	.239	.233	.235	.234	.239	.247	.246	.240	.247	.238	.258	.246
27	.235	.214	.217	.214	.212	.216	.184	.174	.194	.196	.191	.208	.219
28	.208	.206	.207	.215	.202	.210	.223	.216	.237	.236	.250	.257	.257
29	.264	.265	.269	.271	.282	.288	.292	.296	.298	.294	.294	.293	.291
30	.280	.289	.292	.292	.292	.292	.294	.296	.296	.294	.305	.298	.300
31	.276	.272	.272	.270	.268	.270	.274	.279	.278	.272	.267	.262	.257
Mean.	.245	.244	.243	.243	.242	.245	.246	.246	.255	.252	.255	.262	.261

Absolute Maximum = .310 on 29th, at 3 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

257

—HOURLY VALUES—*continued.*

IN INCHES.

JANUARY, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-301	-301	-298	-294	-286	-290	-285	-280	-278	-278	-274	-272	-308	-219	1
-258	-255	-251	-248	-239	-236	-234	-219	-224	-220	-236	-263	-297	-219	2
-303	-297	-294	-292	-288	-279	-279	-273	-276	-258	-253	-272	-303	-236	3
-240	-257	-260	-275	-277	-279	-282	-281	-276	-280	-279	-265	-282	-238	4
-232	-234	-232	-212	-249	-279	-280	-289	-297	-295	-295	-241	-297	-191	5
-238	-236	-247	-227	-241	-215	-223	-211	-220	-213	-224	-248	-298	-211	6
-252	-237	-253	-255	-264	-270	-272	-279	-273	-277	-273	-236	-279	-196	7
-226	-225	-217	-231	-254	-256	-257	-246	-231	-210	-224	-240	-269	-198	8
-250	-242	-243	-243	-239	-229	-216	-216	-223	-221	-211	-234	-260	-211	9
-232	-218	-212	-232	-217	-220	-224	-205	-222	-236	-220	-222	-280	-198	10
-236	-227	-243	-264	-240	-215	-214	-203	-208	-201	-182	-216	-266	-182	11
-293	-302	-296	-293	-293	-203	-291	-274	-263	-267	-267	-258	-302	-189	12
-267	-275	-281	-282	-278	-280	-282	-276	-281	-275	-272	-259	-282	-212	13
-251	-283	-278	-279	-273	-246	-234	-230	-223	-225	-221	-262	-297	-221	14
-283	-298	-283	-280	-280	-283	-279	-267	-275	-268	-257	-260	-298	-220	15
-242	-241	-227	-233	-252	-265	-265	-258	-250	-240	-227	-241	-265	-214	16
-237	-234	-225	-226	-225	-215	-213	-227	-231	-237	-261	-249	-289	-213	17
-311	-304	-300	-298	-293	-288	-285	-278	-278	-278	-278	-280	-311	-246	18
-286	-272	-261	-258	-258	-249	-253	-249	-243	-216	-213	-270	-308	-213	19
-268	-251	-226	-244	-229	-225	-217	-206	-201	-203	-202	-229	-268	-201	20
-213	-230	-220	-212	-223	-210	-210	-208	-211	-213	-216	-212	-239	-184	21
-230	-245	-251	-249	-252	-261	-267	-272	-272	-272	-272	-239	-272	-210	22
-270	-268	-258	-260	-259	-257	-256	-245	-246	-244	-252	-267	-290	-244	23
-236	-235	-263	-260	-264	-272	-275	-275	-276	-273	-250	-276	-221	-221	24
-294	-292	-292	-276	-276	-273	-272	-270	-261	-245	-237	-278	-305	-237	25
-255	-254	-243	-244	-229	-234	-218	-215	-228	-232	-233	-239	-258	-215	26
-226	-218	-237	-210	-215	-225	-219	-202	-214	-213	-222	-212	-237	-174	27
-240	-240	-234	-251	-262	-267	-267	-270	-273	-269	-258	-239	-273	-202	28
-296	-319	-307	-298	-290	-288	-291	-297	-288	-286	-286	-288	-310	-264	29
-298	-296	-292	-292	-292	-288	-288	-284	-279	-279	-278	-291	-305	-278	30
-258	-256	-237	-250	-238	-243	-230	-250	-232	-226	-238	-258	-279	-226	31
-259	-258	-257	-257	-257	-256	-254	-250	-249	-247	-246	-251	-284	-216	Mean.

Absolute Minimum = -174 on 27th at 8 a.m.

## MACQUARIE ISLAND.

Table IV.—VAPOUR PRESSURE

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-224	-217	-218	-237	-243	-247	-228	-229	-250	-253	-224	-253	-281
2	-291	-291	-292	-294	-296	-299	-303	-295	-315	-318	-326	-326	-327
3	-231	-233	-237	-238	-205	-203	-220	-235	-256	-264	-276	-253	-272
4	-273	-273	-273	-275	-272	-272	-269	-278	-284	-295	-292	-287	-300
5	-273	-273	-274	-278	-283	-285	-295	-306	-310	-310	-312	-311	-310
6	-246	-243	-261	-258	-259	-268	-262	-265	-275	-281	-271	-276	-277
7	-279	-281	-286	-287	-288	-292	-287	-289	-289	-266	-306	-293	-298
8	-279	-265	-264	-266	-261	-258	-264	-257	-274	-287	-276	-275	-284
9	-248	-249	-253	-255	-261	-262	-265	-267	-277	-277	-277	-279	-280
10	-238	-244	-242	-240	-246	-246	-257	-261	-261	-202	-266	-258	-246
11	-259	-247	-215	-220	-217	-220	-230	-235	-242	-223	-232	-223	-216
12	-164	-183	-185	-188	-211	-216	-190	-211	-220	-200	-230	-180	-211
13	-188	-166	-193	-183	-188	-194	-211	-214	-214	-239	-207	-232	-230
14	-176	-194	-182	-173	-189	-160	-216	-190	-194	-190	-190	-249	-210
15	-257	-258	-258	-259	-260	-262	-257	-260	-262	-262	-257	-262	-262
16	-239	-236	-229	-229	-227	-231	-230	-233	-248	-263	-274	-285	-289
17	-276	-278	-282	-282	-295	-289	-292	-298	-298	-206	-296	-294	-290
18	-267	-269	-271	-271	-270	-270	-274	-277	-289	-288	-292	-297	-304
19	-295	-297	-288	-292	-293	-278	-278	-288	-295	-290	-272	-294	-288
20	-256	-269	-276	-276	-276	-274	-274	-271	-266	-266	-266	-266	-266
21	-219	-217	-216	-217	-212	-211	-206	-206	-239	-228	-253	-242	-271
22	-277	-271	-243	-236	-222	-212	-238	-239	-252	-248	-241	-243	-262
23	-225	-233	-229	-234	-236	-197	-202	-213	-223	-232	-240	-240	-261
24	-249	-261	-259	-260	-264	-264	-273	-274	-277	-281	-278	-276	-276
25	-265	-265	-263	-261	-274	-266	-274	-276	-284	-290	-270	-287	-297
26	-202	-297	-291	-294	-293	-293	-294	-294	-284	-293	-292	-289	-277
27	-233	-232	-232	-236	-231	-233	-234	-218	-216	-208	-219	-230	-223
28	-202	-226	-208	-219	-256	-250	-251	-246	-264	-266	-283	-265	-270
Mean.	-247	-249	-247	-249	-251	-248	-249	-252	-263	-263	-265	-267	-270

Absolute Maximum = -344 on 2nd, from 4 to 6 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

259

HOURLY VALUES—*continued.*

IN INCHES.

FEBRUARY, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-277	-291	-286	-286	-288	-282	-280	-283	-282	-283	-289	-258	-291	-217	1
-311	-304	-344	-344	-344	-338	-288	-269	-259	-240	-236	-303	-344	-236	2
-300	-286	-289	-289	-291	-282	-270	-264	-265	-268	-268	-258	-300	-203	3
-298	-300	-295	-296	-291	-289	-284	-280	-278	-272	-273	-283	-300	-269	4
-310	-310	-303	-302	-310	-294	-260	-239	-242	-232	-246	-286	-312	-232	5
-276	-286	-276	-279	-281	-274	-274	-270	-271	-277	-278	-270	-286	-243	6
-295	-283	-283	-272	-267	-268	-268	-261	-260	-257	-259	-280	-306	-257	7
-282	-274	-246	-241	-244	-232	-244	-244	-243	-245	-245	-260	-287	-232	8
-283	-287	-279	-280	-278	-278	-265	-258	-257	-236	-242	-266	-287	-236	9
-248	-251	-251	-247	-265	-257	-263	-270	-270	-262	-257	-254	-270	-238	10
-257	-242	-222	-206	-209	-205	-202	-175	-188	-173	-185	-220	-259	-173	11
-196	-237	-226	-242	-259	-245	-222	-210	-218	-205	-194	-210	-259	-164	12
-222	-216	-175	-180	-175	-170	-172	-171	-204	-168	-201	-196	-239	-166	13
-227	-216	-221	-226	-217	-211	-208	-215	-220	-227	-237	-209	-249	-160	14
-264	-261	-259	-268	-254	-251	-251	-240	-253	-243	-243	-257	-268	-243	15
-293	-281	-280	-276	-275	-274	-273	-272	-270	-271	-275	-259	-293	-227	16
-297	-293	-289	-289	-282	-271	-267	-263	-263	-261	-260	-284	-298	-260	17
-301	-281	-310	-310	-310	-311	-310	-311	-310	-310	-301	-291	-311	-267	18
-286	-283	-292	-283	-278	-277	-271	-271	-271	-271	-273	-284	-297	-271	19
-266	-266	-266	-266	-265	-255	-251	-240	-238	-232	-228	-263	-276	-228	20
-208	-253	-257	-260	-259	-268	-274	-277	-277	-276	-277	-244	-277	-206	21
-253	-255	-244	-239	-252	-235	-223	-220	-228	-236	-235	-243	-277	-212	22
-257	-256	-228	-230	-239	-258	-245	-244	-242	-240	-240	-231	-261	-197	23
-279	-277	-273	-275	-277	-279	-280	-279	-282	-274	-266	-272	-282	-249	24
-299	-298	-298	-297	-296	-295	-292	-287	-293	-295	-295	-283	-299	-261	25
-258	-258	-255	-257	-241	-229	-233	-231	-228	-233	-234	-270	-297	-228	26
-217	-227	-205	-202	-186	-188	-213	-233	-230	-236	-245	-223	-245	-186	27
-282	-272	-273	-267	-265	-267	-268	-278	-278	-278	-257	-283	-202	-202	28
-271	-269	-264	-264	-264	-258	-255	-252	-255	-250	-252	-257	-284	-223	Mean.

Absolute Minimum = -164 on 12th, at 1 a.m.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.245	.231	.229	.235	.230	.242	.235	.237	.245	.252	.252	.251	.246
2	.204	.205	.204	.193	.189	.181	.195	.209	.215	.199	.225	.217	.221
3	.182	.181	.187	.195	.216	.215	.226	.231	.213	.234	.222	.227	.256
4	.199	.198	.205	.199	.199	.187	.172	.188	.200	.192	.170	.238	.233
5	.194	.182	.164	.168	.186	.214	.221	.215	.230	.237	.251	.253	.255
6	.240	.238	.248	.251	.259	.261	.263	.267	.275	.270	.279	.284	.285
7	.283	.288	.289	.288	.294	.291	.294	.297	.298	.304	.302	.303	.302
8	.320	.319	.314	.314	.314	.314	.316	.315	.309	.312	.313	.315	.314
9	.297	.299	.292	.288	.282	.273	.259	.259	.260	.265	.255	.259	.265
10	.267	.265	.268	.269	.266	.256	.263	.261	.258	.265	.253	.240	.241
11	.153	.155	.159	.165	.186	.192	.212	.219	.219	.212	.244	.246	.255
12	.244	.247	.247	.250	.253	.254	.253	.267	.279	.285	.292	.283	.274
13	.211	.201	.188	.199	.209	.196	.195	.199	.211	.191	.192	.215	.226
14	.224	.216	.225	.233	.252	.273	.250	.255	.260	.259	.253	.271	.253
15	.254	.254	.262	.260	.264	.265	.268	.271	.274	.276	.276	.275	.274
16	.186	.180	.174	.169	.167	.160	.162	.173	.178	.181	.189	.216	.109
17	.246	.245	.248	.252	.251	.251	.251	.230	.249	.252	.251	.249	.259
18	.274	.274	.277	.277	.277	.277	.277	.277	.279	.278	.282	.285	.284
19	.190	.226	.202	.201	.233	.216	.221	.221	.223	.234	.218	.240	.242
20	.266	.266	.255	.250	.246	.246	.236	.212	.223	.238	.211	.217	.207
21	.257	.260	.265	.266	.272	.271	.270	.270	.272	.275	.276	.274	.272
22	.275	.269	.278	.281	.280	.280	.280	.280	.281	.283	.275	.276	.291
23	.241	.241	.243	.239	.240	.236	.233	.226	.221	.226	.226	.222	.221
24	.230	.233	.228	.222	.229	.229	.228	.225	.224	.222	.224	.225	.226
25	.217	.231	.235	.235	.225	.221	.225	.227	.217	.215	.222	.229	.224
26	.245	.245	.248	.243	.246	.248	.249	.247	.257	.258	.259	.259	.263
27	.277	.272	.267	.264	.264	.264	.266	.266	.263	.265	.267	.271	.268
28	.264	.252	.250	.243	.241	.244	.229	.219	.218	.220	.212	.200	.209
29	.227	.201	.221	.214	.190	.202	.196	.204	.218	.217	.180	.202	.216
30	.153	.156	.173	.178	.167	.182	.186	.191	.213	.214	.225	.229	.238
Mean.	.232	.234	.234	.234	.237	.237	.237	.238	.242	.244	.243	.248	.250

Absolute Maximum = .320 on 8th, at 1 a.m.

## HOURLY VALUES—continued.

IN INCHES.

APRIL, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.247	.240	.218	.219	.222	.204	.201	.212	.217	.213	.205	.231	.252	.201	1
.225	.211	.213	.212	.209	.202	.197	.194	.180	.188	.184	.203	.225	.180	2
.233	.233	.234	.206	.200	.214	.207	.207	.202	.204	.198	.213	.256	.181	3
.210	.233	.190	.207	.168	.206	.208	.224	.207	.215	.196	.202	.238	.168	4
.258	.246	.242	.253	.255	.262	.260	.258	.260	.257	.257	.232	.262	.164	5
.290	.291	.288	.291	.288	.290	.288	.282	.283	.280	.280	.273	.291	.238	6
.303	.314	.316	.315	.315	.314	.314	.310	.311	.310	.310	.302	.316	.283	7
.309	.310	.309	.305	.303	.302	.301	.300	.297	.297	.296	.310	.320	.296	8
.270	.284	.284	.265	.270	.273	.274	.272	.271	.273	.268	.274	.299	.255	9
.227	.222	.220	.205	.202	.192	.187	.183	.180	.180	.161	.232	.269	.161	10
.257	.269	.265	.268	.268	.274	.261	.263	.263	.221	.236	.222	.274	.153	11
.265	.261	.253	.217	.244	.210	.222	.225	.214	.203	.208	.248	.292	.203	12
.205	.203	.209	.201	.202	.194	.179	.190	.166	.183	.221	.203	.226	.166	13
.249	.258	.243	.247	.239	.246	.240	.251	.252	.253	.251	.247	.273	.216	14
.271	.268	.266	.266	.248	.234	.223	.217	.211	.209	.193	.254	.276	.193	15
.205	.220	.212	.199	.231	.242	.249	.249	.242	.250	.239	.202	.250	.160	16
.257	.259	.263	.263	.267	.268	.269	.272	.274	.274	.274	.256	.274	.230	17
.282	.277	.275	.268	.269	.278	.266	.268	.266	.257	.190	.266	.285	.190	18
.256	.264	.262	.266	.266	.266	.266	.272	.268	.265	.263	.239	.272	.190	19
.212	.228	.224	.226	.238	.240	.243	.241	.243	.245	.251	.236	.266	.207	20
.273	.272	.274	.276	.275	.269	.269	.274	.276	.277	.275	.271	.277	.257	21
.271	.286	.283	.283	.280	.279	.278	.259	.227	.231	.248	.273	.291	.227	22
.221	.218	.218	.213	.215	.210	.222	.216	.216	.220	.224	.226	.243	.210	23
.228	.225	.224	.224	.212	.221	.217	.217	.222	.220	.224	.224	.233	.212	24
.234	.233	.229	.238	.237	.237	.237	.239	.239	.240	.241	.230	.241	.215	25
.265	.273	.273	.275	.276	.277	.276	.280	.279	.277	.277	.261	.280	.243	26
.269	.272	.272	.275	.277	.276	.277	.274	.271	.268	.265	.270	.277	.263	27
.218	.222	.228	.236	.232	.246	.237	.255	.240	.235	.228	.234	.264	.200	28
.164	.206	.189	.193	.196	.198	.161	.156	.156	.165	.161	.193	.227	.156	29
.237	.249	.253	.256	.253	.247	.238	.243	.243	.236	.236	.215	.256	.153	30
.247	.251	.247	.247	.243	.246	.242	.243	.239	.238	.234	.241	.267	.202	Mean.

Absolute Minimum = .153 on 11th, at 1 a.m., on 30th, at 1 a.m.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.271	.272	.280	.268	.234	.231	.216	.227	.230	.236	.242	.263	.245
2	.249	.244	.240	.232	.226	.230	.225	.230	.258	.250	.257	.262	.267
3	.253	.254	.254	.254	.254	.257	.258	.264	.270	.279	.287	.288	.288
4	.271	.263	.249	.250	.245	.248	.245	.236	.245	.237	.249	.222	.252
5	.265	.251	.250	.236	.237	.247	.234	.238	.229	.250	.255	.257	.258
6	.256	.266	.277	.277	.277	.277	.277	.276	.275	.262	.241	.226	.217
7	.238	.234	.222	.212	.221	.225	.225	.171	.187	.233	.184	.207	.191
8	.225	.209	.225	.230	.214	.233	.234	.236	.245	.254	.241	.248	.256
9	.299	.274	.272	.269	.269	.269	.269	.269	.269	.274	.274	.274	.274
10	.201	.202	.208	.211	.192	.217	.198	.192	.187	.208	.212	.196	.200
11	.237	.244	.250	.250	.250	.257	.262	.268	.275	.275	.280	.282	.285
12	.264	.265	.265	.268	.268	.267	.268	.275	.277	.281	.278	.272	.264
13	.259	.259	.257	.257	.257	.257	.260	.260	.262	.266	.259	.264	.266
14	.282	.282	.282	.282	.285	.285	.288	.288	.288	.286	.286	.306	.290
15	.272	.275	.268	.267	.265	.267	.261	.268	.269	.268	.268	.269	.274
16	.275	.276	.273	.269	.268	.268	.269	.269	.275	.278	.278	.203	.294
17	.292	.291	.288	.288	.287	.284	.285	.286	.273	.278	.272	.272	.272
18	.304	.298	.294	.286	.283	.282	.283	.283	.279	.279	.280	.280	.284
19	.273	.268	.268	.267	.265	.263	.258	.265	.260	.249	.269	.261	.262
20	.251	.253	.259	.224	.217	.216	.224	.237	.229	.244	.236	.230	.241
21	.251	.259	.264	.283	.283	.283	.283	.283	.287	.290	.277	.272	.296
22	.232	.234	.229	.211	.226	.226	.196	.198	.207	.215	.223	.231	.237
23	.186	.195	.204	.207	.234	.222	.248	.250	.266	.261	.262	.262	.264
24	.262	.261	.258	.263	.254	.264	.259	.265	.274	.269	.284	.280	.288
25	.257	.249	.265	.266	.259	.250	.202	.204	.272	.271	.261	.277	.281
26	.290	.290	.290	.290	.287	.287	.290	.290	.287	.286	.286	.294	.297
27	.295	.294	.285	.283	.283	.283	.280	.279	.277	.275	.274	.275	.277
28	.220	.211	.201	.192	.184	.175	.169	.169	.192	.212	.216	.214	.221
29	.208	.226	.225	.222	.218	.226	.230	.245	.239	.260	.269	.265	.267
30	.262	.265	.266	.267	.271	.270	.274	.272	.284	.281	.284	.287	.291
31	.241	.246	.258	.262	.253	.256	.249	.258	.261	.241	.253	.248	.243
Mean.	.255	.255	.256	.253	.248	.252	.249	.249	.256	.259	.258	.261	.261

Absolute Maximum = .306 on 14th, at noon.

## METEOROLOGY—MACQUARIE ISLAND STATION.

263

HOURLY VALUES—*continued.*

IN INCHES.

MARCH, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.242	.254	.249	.249	.262	.265	.262	.252	.248	.255	.254	.251	.280	.216	1
.261	.273	.247	.268	.255	.262	.262	.242	.248	.248	.245	.248	.273	.225	2
.288	.288	.292	.289	.287	.285	.283	.281	.281	.281	.281	.274	.292	.253	3
.235	.233	.239	.241	.233	.245	.254	.262	.260	.262	.260	.248	.271	.222	4
.248	.253	.254	.256	.248	.253	.256	.258	.251	.236	.244	.249	.265	.229	5
.210	.216	.225	.226	.229	.228	.232	.237	.238	.233	.221	.246	.277	.210	6
.226	.189	.208	.197	.202	.202	.204	.207	.210	.231	.213	.211	.238	.171	7
.266	.271	.273	.274	.276	.277	.278	.277	.277	.277	.277	.251	.278	.209	8
.274	.274	.269	.256	.238	.221	.219	.208	.210	.194	.197	.256	.299	.194	9
.216	.204	.210	.207	.202	.211	.222	.222	.227	.231	.235	.208	.235	.187	10
.285	.293	.295	.287	.280	.277	.270	.266	.263	.263	.265	.268	.295	.237	11
.254	.248	.254	.242	.238	.240	.239	.229	.239	.243	.243	.258	.281	.229	12
.253	.269	.270	.270	.267	.268	.270	.272	.270	.272	.278	.264	.278	.253	13
.286	.281	.285	.286	.288	.289	.284	.284	.284	.278	.278	.286	.306	.278	14
.284	.281	.284	.285	.289	.280	.290	.277	.290	.276	.276	.275	.290	.261	15
.281	.287	.280	.286	.275	.273	.280	.283	.284	.289	.291	.279	.294	.268	16
.272	.266	.261	.263	.265	.267	.273	.280	.292	.279	.289	.278	.292	.261	17
.286	.287	.279	.275	.278	.272	.275	.265	.265	.265	.273	.281	.304	.265	18
.258	.264	.272	.259	.263	.267	.262	.252	.251	.254	.253	.261	.273	.249	19
.229	.240	.233	.246	.247	.245	.223	.211	.236	.247	.255	.236	.259	.211	20
.271	.271	.260	.253	.249	.244	.215	.217	.247	.235	.232	.263	.296	.215	21
.227	.201	.248	.224	.219	.219	.213	.209	.218	.191	.189	.219	.248	.189	22
.264	.278	.275	.275	.292	.291	.300	.300	.260	.260	.263	.253	.300	.186	23
.269	.270	.274	.267	.249	.251	.237	.241	.245	.251	.257	.264	.289	.237	24
.285	.277	.276	.272	.284	.278	.274	.275	.281	.290	.271	.290	.290	.249	25
.294	.298	.294	.292	.286	.286	.294	.294	.289	.289	.289	.280	.298	.286	26
.275	.273	.269	.263	.263	.260	.261	.244	.235	.231	.226	.260	.295	.226	27
.226	.246	.202	.199	.224	.217	.208	.208	.213	.222	.192	.206	.246	.169	28
.263	.253	.256	.253	.243	.232	.242	.249	.258	.262	.262	.242	.269	.208	29
.295	.287	.294	.297	.294	.297	.298	.300	.298	.244	.239	.278	.300	.239	30
.269	.269	.277	.241	.254	.257	.260	.260	.260	.261	.250	.255	.277	.241	31
.261	.260	.258	.255	.254	.257	.256	.252	.254	.253	.250	.255	.280	.228	Mean.

Absolute Minimum = .169 on 28th, from 7 a.m. to 8 a.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.222	.212	.215	.240	.221	.230	.218	.228	.220	.200	.201	.205	.200
2	.196	.185	.191	.187	.200	.190	.178	.190	.198	.201	.203	.196	.212
3	.241	.243	.248	.249	.250	.251	.244	.243	.243	.244	.245	.244	.242
4	.213	.209	.209	.208	.200	.200	.200	.200	.207	.207	.207	.208	.218
5	.248	.246	.248	.246	.240	.237	.212	.194	.187	.188	.193	.192	.208
6	.164	.147	.146	.152	.166	.177	.179	.151	.182	.174	.166	.167	.165
7	.251	.238	.223	.186	.186	.182	.196	.202	.200	.194	.204	.200	.221
8	.228	.241	.243	.235	.235	.237	.237	.230	.219	.207	.210	.208	.204
9	.166	.155	.164	.139	.168	.161	.164	.148	.153	.149	.146	.144	.142
10	.156	.136	.137	.136	.139	.138	.142	.139	.143	.150	.162	.164	.173
11	.195	.206	.211	.221	.224	.235	.243	.248	.254	.258	.260	.257	.254
12	.260	.255	.245	.236	.226	.231	.231	.220	.208	.217	.214	.192	.206
13	.189	.191	.208	.213	.208	.217	.221	.184	.182	.198	.218	.196	.240
14	.244	.245	.243	.234	.235	.245	.222	.220	.225	.207	.210	.209	.206
15	.157	.161	.166	.177	.204	.192	.187	.185	.171	.174	.191	.206	.215
16	.237	.239	.241	.245	.248	.249	.246	.249	.251	.234	.231	.218	.213
17	.190	.186	.188	.198	.206	.224	.217	.210	.206	.171	.182	.189	.193
18	.220	.219	.213	.214	.210	.199	.212	.203	.206	.201	.199	.199	.188
19	.158	.166	.177	.175	.176	.173	.173	.173	.171	.175	.180	.171	.176
20	.148	.150	.164	.158	.183	.173	.169	.168	.183	.180	.180	.168	.184
21	.154	.153	.173	.173	.183	.182	.181	.182	.177	.173	.152	.144	.140
22	.225	.236	.245	.240	.240	.240	.240	.239	.253	.249	.235	.230	.223
23	.209	.169	.205	.213	.221	.196	.215	.211	.202	.210	.210	.210	.230
24	.238	.239	.240	.241	.242	.242	.243	.243	.244	.248	.252	.251	.252
25	.249	.247	.248	.247	.247	.246	.246	.245	.246	.247	.248	.249	.250
26	.237	.238	.244	.246	.255	.261	.262	.260	.253	.251	.252	.253	.253
27	.226	.225	.218	.219	.218	.225	.225	.224	.230	.215	.210	.216	.207
28	.174	.165	.160	.134	.168	.134	.145	.157	.163	.146	.145	.152	.134
29	.106	.117	.118	.141	.160	.178	.189	.199	.206	.206	.206	.207	.211
30	.134	.155	.139	.143	.173	.156	.160	.169	.191	.197	.190	.207	.224
31	.172	.181	.194	.196	.203	.215	.217	.219	.227	.233	.247	.246	.246
Mean.	.197	.198	.202	.201	.207	.205	.207	.205	.206	.203	.205	.203	.207

Absolute Maximum = .265 on 7th at 9 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

265

=HOURLY VALUES—*continued.*

IN INCHES.

MAY, 1913:

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean:	Maximum.	Minimum.	Date.
.201	.204	.193	.217	.184	.172	.190	.205	.187	.192	.194	.206	.240	.172	1
.216	.205	.215	.211	.206	.206	.215	.231	.240	.241	.242	.205	.242	.178	2
.236	.249	.240	.236	.233	.232	.233	.231	.228	.225	.216	.239	.251	.216	3
.229	.233	.237	.246	.246	.247	.252	.255	.253	.251	.249	.224	.255	.200	4
.188	.188	.209	.192	.199	.188	.162	.160	.149	.149	.154	.201	.248	.149	5
.169	.180	.180	.169	.191	.218	.226	.259	.260	.257	.255	.185	.260	.146	6
.214	.227	.229	.243	.243	.244	.249	.265	.263	.251	.244	.223	.265	.182	7
.203	.198	.186	.189	.179	.173	.166	.167	.154	.172	.159	.205	.243	.154	8
.172	.133	.164	.135	.132	.132	.142	.161	.157	.131	.142	.150	.172	.131	9
.184	.169	.176	.179	.184	.179	.179	.175	.170	.188	.181	.161	.188	.136	10
.251	.251	.246	.249	.248	.248	.251	.255	.254	.255	.256	.241	.258	.195	11
.196	.193	.193	.175	.190	.180	.186	.208	.213	.202	.183	.211	.260	.175	12
.241	.224	.220	.228	.228	.231	.231	.234	.238	.240	.243	.216	.243	.182	13
.198	.207	.205	.196	.193	.189	.188	.192	.172	.176	.179	.212	.245	.172	14
.222	.209	.215	.222	.226	.229	.234	.239	.242	.242	.239	.203	.242	.157	15
.210	.204	.208	.213	.204	.193	.184	.175	.186	.182	.210	.220	.251	.175	16
.201	.204	.196	.199	.222	.235	.227	.230	.226	.226	.226	.206	.235	.171	17
.193	.195	.189	.186	.178	.174	.171	.160	.163	.163	.164	.194	.220	.160	18
.168	.176	.175	.179	.171	.180	.168	.150	.152	.142	.150	.169	.180	.142	19
.181	.187	.185	.192	.183	.177	.168	.179	.157	.160	.151	.173	.192	.148	20
.134	.124	.133	.146	.154	.160	.171	.190	.202	.207	.210	.165	.210	.124	21
.213	.183	.167	.181	.191	.200	.200	.215	.210	.204	.203	.221	.253	.167	22
.234	.236	.239	.244	.247	.241	.241	.230	.232	.235	.237	.221	.247	.169	23
.253	.258	.257	.261	.262	.260	.258	.254	.255	.256	.256	.250	.262	.238	24
.251	.247	.250	.247	.245	.238	.237	.234	.234	.235	.236	.245	.251	.234	25
.251	.239	.240	.237	.237	.237	.237	.234	.232	.230	.228	.245	.262	.228	26
.209	.214	.212	.210	.200	.199	.191	.196	.180	.178	.181	.211	.230	.178	27
.148	.147	.143	.127	.110	.109	.108	.129	.127	.123	.095	.141	.174	.095	28
.202	.201	.189	.183	.150	.147	.134	.124	.121	.120	.127	.163	.211	.106	29
.239	.241	.241	.238	.232	.225	.208	.192	.203	.170	.169	.187	.241	.134	30
.244	.249	.237	.228	.219	.215	.204	.204	.189	.184	.186	.214	.249	.172	.31
.208	.206	.206	.205	.203	.202	.200	.204	.197	.198	.199	.202	.235	.168	Mean.

Absolute Minimum = .095 on 28th, at midnight.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-173	-186	-179	-169	-173	-174	-174	-182	-171	-184	-173	-194	-194
2	-239	-239	-238	-238	-240	-240	-239	-239	-238	-238	-239	-243	-248
3	-207	-209	-199	-198	-190	-182	-173	-147	-176	-190	-181	-220	-222
4	-244	-241	-238	-241	-237	-224	-221	-223	-225	-222	-220	-219	-212
5	-195	-207	-208	-208	-200	-192	-188	-180	-179	-172	-193	-183	-186
6	-180	-178	-180	-172	-192	-186	-187	-190	-202	-203	-194	-193	-194
7	-188	-187	-183	-177	-181	-178	-178	-185	-188	-189	-192	-184	-192
8	-136	-139	-132	-132	-146	-138	-128	-151	-142	-150	-139	-169	-172
9	-138	-146	-154	-160	-155	-164	-168	-178	-177	-177	-192	-209	-210
10	-173	-173	-175	-175	-183	-195	-204	-211	-224	-231	-235	-236	-236
11	-227	-227	-227	-232	-234	-234	-234	-233	-218	-218	-201	-192	-163
12	-202	-214	-224	-227	-231	-233	-235	-237	-237	-234	-236	-233	-235
13	-244	-241	-238	-243	-243	-244	-244	-248	-228	-226	-221	-223	-226
14	-137	-141	-150	-146	-169	-175	-190	-192	-190	-192	-199	-204	-208
15	-143	-150	-146	-130	118	-106	-097	-091	-064	-092	-097	-102	-105
16	-132	-126	-120	-100	-089	-108	-115	-113	-115	-134	-119	-133	-127
17	-189	-193	-201	-201	-205	-205	-206	-201	-195	-185	-183	-153	-175
18	-094	-082	-082	-094	-121	-120	-099	-102	-102	-096	-103	-115	-108
19	-155	-173	-188	-182	-234	-233	-229	-222	-220	-218	-216	-224	-226
20	-207	-198	-219	-223	-193	-213	-211	-207	-206	-216	-210	-213	-203
21	-184	-180	-169	-173	-168	-161	-155	-152	-148	-150	-151	-158	-160
22	-189	-190	-195	-191	-193	-193	-193	-195	-195	-197	-197	-198	-200
23	-206	-195	-213	-213	-213	-213	-217	-219	-219	-219	-219	-219	-220
24	-239	-239	-239	-239	-237	-237	-234	-231	-231	-231	-231	-246	-240
25	-227	-226	-220	-220	-217	-215	-214	-215	-213	-213	-213	-213	-213
26	-239	-239	-238	-238	-236	-230	-230	-230	-230	-229	-229	-229	-230
27	-210	-216	-217	-217	-217	-222	-221	-227	-230	-230	-230	-235	-234
28	-200	-214	-216	-202	-210	-216	-226	-231	-239	-243	-242	-241	-239
29	-245	-246	-245	-246	-246	-248	-249	-251	-251	-251	-251	-253	-254
30	-259	-256	-256	-233	-206	-204	-198	-204	-173	-172	-159	-161	-155
Mean.	-193	-195	-196	-194	-196	-196	-195	-196	-194	-197	-195	-200	-201

Absolute Maximum = -260 on 3rd, at midnight.

HOURLY VALUES—*continued.*

IN INCHES.

JUNE, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.194	.204	.227	.237	.239	.238	.239	.239	.239	.237	.237	.201	.239	.169	1
.248	.255	.255	.253	.251	.250	.238	.236	.233	.230	.206	.242	.255	.206	2
.233	.234	.236	.237	.242	.254	.247	.252	.254	.255	.260	.215	.260	.147	3
.210	.207	.208	.208	.206	.206	.198	.196	.198	.197	.197	.217	.244	.196	4
.180	.168	.169	.167	.149	.150	.148	.153	.175	.175	.169	.179	.208	.148	5
.187	.186	.186	.183	.192	.193	.192	.193	.192	.189	.188	.188	.203	.172	6
.180	.177	.172	.163	.172	.153	.149	.153	.143	.149	.133	.174	.192	.133	7
.165	.165	.168	.168	.169	.154	.128	.116	.123	.129	.133	.145	.172	.116	8
.210	.208	.208	.208	.206	.204	.196	.194	.183	.179	.183	.210	.210	.138	9
.236	.237	.234	.232	.229	.225	.230	.230	.229	.234	.227	.215	.237	.173	10
.153	.135	.138	.149	.155	.150	.147	.143	.150	.172	.189	.185	.234	.135	11
.232	.227	.227	.226	.226	.228	.235	.234	.234	.240	.244	.230	.244	.202	12
.216	.213	.225	.223	.212	.212	.193	.168	.154	.144	.139	.217	.248	.139	13
.211	.216	.208	.192	.179	.183	.165	.148	.157	.160	.161	.177	.216	.137	14
.105	.100	.122	.110	.121	.117	.122	.107	.129	.087	.091	.112	.150	.064	15
.122	.169	.187	.192	.192	.171	.167	.181	.183	.185	.190	.142	.192	.089	16
.160	.131	.130	.136	.128	.099	.112	.088	.097	.103	.109	.159	.206	.088	17
.103	.099	.117	.114	.122	.131	.121	.124	.129	.129	.138	.109	.138	.082	18
.216	.216	.214	.204	.204	.211	.234	.230	.228	.229	.218	.212	.234	.155	19
.211	.202	.190	.206	.205	.202	.206	.208	.207	.201	.194	.211	.223	.190	20
.162	.160	.163	.164	.168	.173	.173	.175	.178	.181	.186	.166	.186	.148	21
.212	.207	.207	.210	.207	.205	.206	.204	.202	.202	.202	.199	.212	.189	22
.224	.224	.224	.224	.226	.227	.232	.239	.239	.239	.239	.222	.239	.195	23
.240	.242	.241	.239	.236	.234	.232	.229	.229	.229	.235	.246	.229	.24	
.213	.211	.211	.211	.212	.220	.227	.233	.234	.236	.236	.219	.236	.211	25
.231	.231	.231	.231	.231	.230	.224	.222	.224	.226	.217	.231	.239	.217	26
.239	.241	.241	.240	.239	.243	.249	.254	.242	.224	.192	.230	.254	.192	27
.240	.239	.240	.241	.241	.240	.244	.249	.248	.242	.241	.231	.249	.200	28
.252	.251	.250	.251	.252	.250	.249	.246	.250	.254	.256	.249	.256	.245	29
.157	.157	.158	.157	.168	.159	.156	.157	.155	.167	.174	.182	.259	.155	30
.198	.196	.199	.199	.199	.197	.195	.193	.195	.194	.192	.196	.223	.162	Mean.

Absolute Minimum = .064 on 15th at 9 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	
1	.170	.180	.178	.180	.186	.186	.189	.186	.182	.184	.188	.196	.198	
2	.244	.249	.251	.252	.255	.258	.257	.250	.239	.235	.238	.213	.227	
3	.176	.187	.192	.206	.204	.238	.241	.245	.244	.248	.251	.253	.259	
4	.183	.186	.188	.182	.177	.181	.141	.159	.142	.153	.136	.134	.143	
5	.161	.168	.140	.170	.185	.188	.190	.192	.190	.198	.205	.221	.228	
6	.255	.245	.238	.219	.206	.212	.215	.203	.200	.207	.218	.224	.228	
7	.263	.263	.265	.265	.266	.267	.269	.271	.272	.269	.258	.260	.261	
8	.203	.219	.219	.211	.218	.227	.228	.210	.187	.177	.147	.142	.136	
9	.138	.146	.170	.146	.161	.163	.146	.145	.143	.148	.174	.189	.188	
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
12	.210	.225	.228	.219	.206	.220	.202	.215	.203	.186	.195	.200	.207	
13	.215	.218	.219	.217	.216	.215	.211	.216	.222	.228	.230	.236	.245	
14	.183	.178	.177	.175	.165	.166	.182	.180	.177	.179	.177	.184	.179	
15	.208	.209	.204	.204	.214	.218	.177	.148	.141	.145	.148	.150	.142	
16	.160	.164	.166	.169	.178	.178	.183	.185	.186	.196	.199	.204	.210	
17	.226	.228	.228	.231	.231	.231	.229	.233	.241	.243	.244	.244	.254	
18	.246	.245	.241	.239	.235	.232	.232	.231	.232	.233	.232	.233	.234	
19	.242	.241	.239	.239	.238	.237	.235	.235	.234	.237	.241	.246	.247	
20	.251	.202	.188	.186	.181	.174	.163	.154	.157	.156	.146	.143	.144	
21	.149	.145	.134	.130	.133	.126	.127	.135	.137	.145	.141	.148	.153	
22	.203	.206	.215	.217	.215	.209	.207	.209	.213	.217	.221	.224	.230	
23	.141	.135	.123	.134	.115	.120	.112	.106	.122	.110	.127	.149	.139	
24	.208	.172	.153	.153	.145	.139	.136	.147	.142	.156	.178	.165	.146	
25	.163	.165	.154	.159	.138	.133	.120	.115	.123	.111	.111	.126	.110	
26	.111	.111	.113	.119	.118	.119	.118	.117	.172	.122	.124	.136	.154	
27	.219	.216	.190	.187	.185	.173	.162	.168	.174	.182	.180	.179	.182	
28	.146	.150	.144	.151	.191	.193	.216	.235	.238	.240	.239	.236	.230	
29	.218	.217	.225	.239	.240	.240	.240	.240	.245	.246	.246	.247	.247	
30	.238	.237	.233	.236	.235	.230	.229	.231	.234	.234	.237	.237	.240	
31	.232	.229	.228	.228	.225	.226	.226	.226	.223	.222	.222	.229	.231	
*	Mean.	.199	.198	.191	.195	.195	.196	.192	.193	.194	.193	.195	.198	.199

\* Mean for 29 days only.

Absolute Maximum = .272 on 7th, at 9 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

269

## HOURLY VALUES—continued.

IN INCHES.

JULY, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
·200	·208	·204	·217	·213	·216	·221	·224	·224	·233	·237	·199	·237	·178	1
·230	·220	·217	·203	·211	·184	·291	·177	·184	·151	·205	·223	·258	·151	2
·200	·258	·262	·221	·211	·183	·184	·195	·182	·186	·186	·220	·262	·176	3
·141	·127	·128	·131	·152	·159	·145	·142	·123	·166	·172	·153	·188	·123	4
·230	·233	·236	·245	·254	·253	·264	·262	·261	·256	·246	·215	·264	·140	5
·228	·227	·228	·236	·237	·237	·237	·241	·242	·251	·254	·229	·255	·200	6
·206	·200	·208	·202	·199	·198	·193	·198	·203	·204	·198	·237	·272	·193	7
·129	·126	·132	·141	·140	·135	·147	·142	·152	·151	·149	·170	·228	·126	8
·181	·179	·178	·165	·186	·176	·185	·188	·195	·193	·203	·169	·203	·138	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
·212	·202	·208	·210	·208	·210	·214	·218	·213	·211	·215	·209	·228	·186	12
·245	·251	·249	·249	·243	·226	·218	·190	·184	·158	·181	·221	·251	·158	13
·182	·161	·162	·158	·176	·183	·189	·193	·192	·195	·200	·178	·200	·156	14
·138	·138	·138	·140	·145	·140	·146	·139	·144	·146	·158	·162	·218	·138	15
·212	·214	·213	·213	·210	·210	·210	·213	·213	·215	·217	·195	·217	·160	16
·259	·256	·250	·266	·265	·264	·263	·256	·254	·248	·246	·245	·266	·226	17
·234	·232	·230	·228	·220	·226	·233	·237	·239	·240	·241	·234	·246	·220	18
·242	·251	·252	·257	·259	·263	·260	·259	·258	·262	·254	·247	·263	·234	19
·145	·146	·146	·148	·149	·148	·147	·150	·150	·156	·156	·164	·251	·143	20
·166	·177	·193	·193	·191	·188	·184	·190	·192	·196	·198	·160	·198	·126	21
·235	·239	·229	·206	·183	·149	·142	·132	·130	·138	·125	·196	·239	·125	22
·168	·166	·163	·164	·163	·180	·187	·191	·178	·198	·207	·152	·207	·106	23
·156	·140	·140	·149	·128	·127	·128	·134	·139	·147	·142	·150	·208	·127	24
·106	·106	·106	·105	·105	·107	·105	·105	·113	·111	·108	·122	·165	·105	25
·159	·172	·196	·215	·224	·225	·227	·237	·229	·225	·221	·155	·237	·111	26
·188	·182	·169	·190	·187	·185	·160	·152	·148	·144	·141	·178	·219	·141	27
·186	·181	·165	·166	·178	·180	·203	·199	·208	·217	·220	·195	·240	·144	28
·249	·249	·251	·251	·248	·247	·246	·244	·246	·241	·241	·241	·251	·217	29
·241	·260	·248	·244	·249	·238	·237	·235	·234	·232	·232	·238	·260	·229	30
·232	·240	·237	·229	·227	·219	·206	·198	·198	·189	·201	·222	·240	·189	31
·198	·198	·198	·198	·198	·195	·195	·194	·194	·195	·198	·196	·233	·161	Mean.

Absolute Minimum = ·105 on 25th, from 5 to 6 p.m., and 8 to 9 p.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.203	.203	.204	.204	.205	.208	.216	.222	.239	.242	.250	.254	.257
2	.237	.233	.221	.216	.220	.214	.216	.221	.220	.218	.213	.214	.218
3	.270	.268	.262	.261	.250	.238	.231	.234	.229	.232	.210	.215	.215
4	.218	.218	.218	.220	.218	.218	.220	.220	.216	.224	.224	.227	.233
5	.197	.190	.191	.194	.195	.192	.190	.186	.178	.186	.192	.189	.190
6	.187	.192	.200	.206	.212	.220	.222	.224	.230	.235	.240	.251	.266
7	.254	.259	.259	.254	.275	.269	.257	.259	.251	.247	.244	.242	.236
8	.238	.238	.239	.240	.240	.239	.239	.241	.240	.238	.236	.224	.223
9	.231	.233	.235	.235	.258	.258	.259	.259	.260	.261	.262	.263	.260
10	.224	.221	.222	.224	.232	.238	.243	.250	.243	.243	.243	.250	.243
11	.220	.221	.221	.220	.220	.215	.208	.206	.209	.211	.217	.219	.223
12	.160	.162	.166	.146	.144	.155	.143	.155	.154	.149	.141	.138	.134
13	.133	.142	.145	.148	.151	.157	.168	.168	.174	.177	.179	.182	.182
14	.176	.179	.180	.178	.180	.181	.184	.190	.194	.200	.207	.209	.210
15	.210	.213	.213	.212	.212	.212	.211	.213	.223	.222	.220	.221	.225
16	.213	.214	.220	.219	.209	.214	.222	.216	.224	.222	.225	.226	.230
17	.236	.236	.235	.238	.236	.239	.241	.245	.251	.253	.252	.246	.246
18	.245	.244	.245	.252	.254	.252	.254	.260	.261	.248	.247	.247	.245
19	.254	.251	.251	.250	.250	.251	.256	.257	.263	.262	.259	.259	.258
20	.264	.264	.263	.263	.263	.264	.264	.263	.264	.264	.262	.263	.263
21	.264	.263	.262	.265	.269	.264	.257	.255	.253	.249	.242	.240	.191
22	.150	.147	.144	.143	.144	.146	.150	.161	.171	.174	.181	.180	.164
23	.151	.154	.158	.165	.166	.174	.179	.182	.195	.204	.198	.187	.171
24	.182	.189	.191	.169	.162	.152	.152	.159	.163	.161	.161	.172	.168
25	.177	.184	.184	.188	.186	.185	.191	.192	.199	.207	.208	.215	.216
26	.199	.198	.195	.190	.187	.192	.198	.205	.215	.220	.223	.222	.228
27	.238	.237	.239	.239	.240	.241	.243	.245	.249	.251	.246	.243	.252
28	.203	.206	.205	.202	.193	.186	.180	.170	.162	.176	.170	.179	.177
29	.249	.247	.248	.249	.247	.249	.250	.248	.249	.250	.253	.257	.260
30	.249	.245	.242	.243	.244	.252	.251	.249	.248	.245	.238	.232	.228
31	.136	.139	.138	.133	.138	.130	.129	.130	.128	.122	.124	.119	.120
Mean,	.212	.212	.213	.212	.213	.213	.214	.215	.218	.219	.218	.218	.217

Absolute Maximum = .275 on 7th, at 5 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

271

-HOURLY VALUES—*continued.*

IN INCHES.

AUGUST, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-255	-261	-263	-256	-258	-257	-257	-251	-247	-243	-245	-236	-263	-203	1
-220	-218	-216	-217	-257	-260	-259	-260	-265	-265	-266	-231	-266	-213	2
-230	-216	-216	-219	-223	-227	-230	-231	-231	-218	-217	-233	-270	-210	3
-230	-220	-220	-211	-210	-209	-206	-182	-185	-194	-192	-214	-233	-182	4
-192	-178	-175	-168	-159	-155	-142	-152	-156	-162	-173	-179	-197	-142	5
-255	-253	-252	-251	-248	-249	-248	-250	-248	-249	-252	-233	-266	-187	6
-241	-245	-241	-237	-225	-235	-242	-250	-252	-249	-240	-249	-275	-225	7
-219	-212	-207	-212	-207	-216	-219	-227	-231	-228	-228	-229	-241	-207	8
-257	-250	-245	-241	-234	-231	-229	-226	-226	-226	-225	-244	-263	-225	9
-245	-241	-240	-237	-228	-226	-225	-219	-221	-212	-216	-233	-250	-212	10
-219	-213	-199	-199	-193	-191	-189	-188	-183	-166	-163	-205	-223	-163	11
-136	-168	-128	-136	-135	-138	-140	-146	-144	-143	-140	-146	-168	-128	12
-177	-168	-164	-163	-157	-159	-163	-167	-171	-173	-178	-163	-182	-133	13
-208	-213	-209	-210	-210	-210	-212	-213	-215	-215	-213	-200	-215	-176	14
-221	-220	-221	-220	-211	-205	-205	-207	-209	-210	-208	-215	-225	-205	15
-230	-236	-233	-233	-233	-235	-234	-231	-229	-235	-230	-224	-236	-209	16
245	-234	-232	-227	-232	-233	-234	-235	-238	-239	-241	-239	-253	-227	17
-245	-239	-238	-237	-232	-233	-231	-240	-241	-242	-246	-244	-261	-231	18
-258	-253	-254	-255	-257	-258	-258	-253	-259	-260	-266	-256	-266	-250	19
-264	-265	-264	-267	-267	-271	-266	-267	-268	-268	-265	-264	-271	-262	20
-169	-160	-157	-141	-140	-142	-143	-149	-145	-149	-146	-207	-269	-140	21
-157	-157	-147	-145	-146	-150	-146	-159	-142	-145	-149	-154	-181	-142	22
-159	-160	-161	-162	-159	-151	-162	-164	-165	-168	-171	-170	-204	-151	23
-161	-160	-172	-177	-181	-182	-181	-186	-190	-181	-181	-172	-191	-152	24
-218	-217	-219	-217	-214	-214	-211	-204	-204	-203	-204	-202	-219	-177	25
-236	-240	-240	-242	-240	-239	-237	-238	-237	-236	-236	-220	-242	-187	26
-246	-248	-245	-244	-244	-244	-246	-222	-215	-204	-199	-239	-251	-199	27
-194	-194	-194	-203	-210	-232	-242	-249	-252	-250	-249	-200	-252	-162	28
-261	-262	-266	-265	-264	-261	-262	-263	-261	-259	-254	-256	-266	-247	29
-182	-163	-152	-157	-157	-143	-151	-155	-152	-153	-151	-204	-252	-143	30
-114	-133	-136	-131	-135	-152	-155	-155	-161	-162	-180	-136	-180	-114	31
-218	-213	-210	-209	-208	-210	-211	-211	-211	-210	-210	-213	-237	-190	Mean.

Absolute Minimum = -114 on 31st, at 2 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.177	.194	.178	.177	.174	.183	.190	.198	.198	.215	.228	.231	.235
2	.176	.165	.166	.174	.165	.184	.136	.143	.167	.190	.187	.187	.184
3	.158	.183	.188	.192	.195	.184	.187	.194	.188	.205	.203	.190	.199
4	.227	.227	.226	.226	.225	.222	.218	.210	.213	.214	.200	.196	.200
5	.146	.159	.167	.179	.166	.157	.170	.170	.162	.166	.165	.144	.162
6	.166	.184	.200	.206	.211	.224	.230	.224	.212	.213	.216	.214	.224
7	.219	.222	.219	.215	.191	.200	.198	.193	.190	.189	.187	.183	.197
8	.183	.199	.199	.186	.177	.161	.164	.171	.178	.173	.183	.174	.165
9	.146	.139	.145	.154	.165	.160	.160	.160	.171	.170	.168	.169	.172
10	.195	.197	.195	.194	.191	.191	.196	.198	.197	.189	.183	.171	.173
11	.106	.107	.112	.121	.108	.106	.110	.119	.120	.149	.145	.149	.157
12	.177	.165	.183	.180	.164	.165	.156	.143	.137	.136	.124	.123	.116
13	.127	.127	.143	.152	.154	.152	.158	.159	.167	.163	.164	.170	.163
14	.179	.178	.178	.173	.169	.171	.170	.173	.177	.180	.182	.180	.182
15	.241	.241	.241	.241	.244	.245	.247	.245	.244	.249	.256	.260	.261
16	.254	.254	.254	.254	.254	.234	.211	.193	.190	.183	.174	.176	
17	.161	.165	.170	.177	.178	.194	.198	.211	.218	.221	.224	.232	.236
18	.211	.213	.219	.227	.234	.241	.241	.237	.234	.218	.226	.231	.229
19	.249	.251	.255	.252	.252	.250	.250	.249	.249	.251	.250	.251	.251
20	.253	.252	.251	.247	.218	.212	.209	.222	.212	.222	.222	.234	.222
21	.213	.210	.198	.195	.192	.195	.196	.205	.217	.227	.236	.238	.245
22	.155	.152	.152	.141	.143	.162	.182	.184	.202	.216	.223	.234	.236
23	.232	.235	.239	.241	.242	.242	.242	.243	.243	.245	.248	.251	.251
24	.246	.246	.244	.244	.243	.242	.243	.246	.248	.249	.252	.261	.253
25	.242	.241	.239	.234	.236	.236	.241	.244	.245	.246	.251	.252	.253
26	.249	.251	.251	.251	.255	.258	.260	.260	.280	.281	.278	.277	.286
27	.271	.270	.266	.271	.272	.265	.262	.260	.237	.230	.218	.207	.207
28	.199	.202	.208	.210	.214	.228	.229	.228	.227	.235	.256	.258	.256
29	.202	.198	.166	.179	.172	.171	.160	.161	.180	.183	.190	.201	.214
30	.138	.148	.139	.141	.146	.150	.164	.167	.180	.216	.200	.208	.227
Mean.	.194	.199	.199	.201	.198	.200	.200	.201	.203	.204	.205	.205	.211

Absolute Maximum = .289 on 26th, at 2 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

IN INCHES.

SEPTEMBER, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-238	-244	-246	-197	-189	-189	-178	-192	-186	-167	-192	-199	-246	-167	1
-186	-188	-187	-201	-202	-201	-185	-165	-157	-159	-161	-176	-202	-136	2
-196	-199	-212	-233	-239	-241	-246	-239	-240	-236	-231	-206	-246	-158	3
-202	-203	-207	-206	-209	-209	-200	-194	-180	-164	-147	-207	-227	-147	4
-126	-137	-128	-123	-118	-120	-127	-127	-143	-162	-173	-149	-179	-118	5
-220	-222	-219	-219	-222	-223	-207	-218	-246	-210	-222	-214	-246	-166	6
-178	-187	-183	-176	-176	-177	-192	-197	-197	-199	-191	-195	-222	-176	7
-166	-164	-174	-167	-157	-155	-150	-144	-140	-139	-142	-168	-199	-139	8
-186	-193	-192	-198	-209	-218	-211	-208	-200	-197	-195	-178	-218	-139	9
-171	-165	-162	-156	-138	-136	-135	-134	-121	-112	-120	-169	-198	-112	10
-181	-192	-195	-204	-210	-213	-214	-227	-220	-175	-185	-158	-227	-106	11
-113	-101	-102	-095	-099	-102	-104	-109	-110	-113	-122	-132	-183	-095	12
-171	-170	-176	-180	-190	-191	-196	-192	-191	-192	-193	-167	-196	-127	13
-183	-186	-188	-193	-200	-211	-212	-222	-230	-231	-231	-189	-231	-169	14
-261	-260	-260	-259	-267	-260	-258	-257	-256	-255	-255	-251	-267	-241	15
-168	-167	-166	-167	-168	-167	-166	-167	-165	-163	-161	-198	-254	-161	16
-239	-239	-238	-218	-192	-182	-186	-189	-194	-198	-203	-202	-239	-161	17
-233	-225	-229	-229	-229	-232	-232	-234	-237	-243	-246	-233	-246	-211	18
-254	-253	-255	-255	-254	-255	-255	-254	-254	-257	-257	-252	-257	-249	19
-218	-210	-202	-197	-197	-198	-202	-205	-211	-214	-214	-219	-253	-197	20
-239	-241	-252	-256	-230	-215	-217	-204	-200	-160	-154	-215	-256	-154	21
-236	-237	-243	-239	-239	-239	-238	-235	-233	-231	-231	-206	-243	-141	22
-251	-251	-250	-250	-243	-246	-246	-248	-247	-246	-246	-245	-251	-232	23
-249	-244	-243	-241	-241	-241	-240	-241	-243	-243	-242	-245	-261	-240	24
-253	-253	-255	-253	-253	-254	-250	-247	-248	-250	-251	-247	-255	-234	25
-289	-288	-285	-282	-276	-277	-275	-271	-268	-263	-263	-270	-289	-249	26
-221	-223	-226	-204	-210	-210	-207	-196	-183	-178	-180	-230	-272	-178	27
-249	-241	-236	-212	-218	-224	-220	-200	-201	-199	-207	-223	-258	-199	28
-189	-165	-164	-162	-147	-143	-137	-131	-119	-140	-140	-168	-214	-119	29
-233	-225	-229	-232	-235	-239	-240	-241	-244	-240	-242	-199	-244	-138	30
-207	-209	-310	-204	-206	-206	-204	-203	-203	-198	-199	-203	-236	-169	Mean.

Absolute Minimum = -095 on 12th, at 5 p.m.

Table IV.—VAPOUR PRESSURE

## MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.232	.232	.223	.226	.215	.215	.183	.179	.188	.222	.211	.237	.199
2	.138	.134	.130	.145	.131	.121	.135	.131	.122	.128	.122	.121	.152
3	.198	.200	.200	.199	.202	.203	.215	.221	.221	.222	.223	.220	.230
4	.246	.246	.246	.246	.246	.246	.246	.247	.244	.244	.244	.242	.243
5	.238	.237	.235	.238	.241	.241	.245	.246	.248	.248	.248	.248	.248
6	.272	.271	.271	.271	.270	.269	.268	.265	.263	.263	.266	.267	.274
7	.236	.237	.238	.236	.232	.217	.215	.225	.232	.244	.251	.254	.254
8	.248	.251	.248	.241	.217	.205	.210	.206	.216	.233	.228	.234	.228
9	.159	.159	.159	.161	.173	.203	.219	.220	.222	.227	.231	.240	.252
10	.270	.269	.270	.267	.265	.263	.265	.261	.258	.262	.266	.267	.267
11	.224	.224	.221	.222	.202	.183	.213	.198	.200	.206	.192	.200	.207
12	.247	.248	.250	.250	.251	.252	.249	.246	.245	.254	.256	.249	.251
13	.220	.230	.233	.239	.239	.242	.243	.251	.246	.248	.248	.248	.260
14	.243	.243	.243	.243	.243	.244	.246	.248	.252	.258	.258	.261	.255
15	.257	.257	.258	.258	.258	.261	.266	.268	.270	.270	.271	.271	.270
16	.265	.250	.246	.252	.257	.256	.264	.254	.279	.277	.281	.280	.275
17	.162	.166	.168	.173	.152	.142	.146	.163	.176	.190	.204	.232	.210
18	.207	.207	.200	.196	.198	.199	.194	.188	.193	.177	.171	.208	.199
19	.241	.243	.244	.233	.235	.227	.220	.231	.217	.234	.236	.235	.240
20	.251	.253	.255	.256	.263	.264	.266	.272	.277	.278	.278	.278	.270
21	.195	.189	.198	.196	.202	.216	.230	.226	.215	.210	.205	.245	.250
22	.194	.195	.185	.203	.189	.172	.166	.171	.191	.179	.181	.214	.226
23	.265	.266	.266	.268	.270	.273	.274	.276	.231	.231	.239	.242	.235
24	.207	.186	.175	.155	.177	.167	.170	.157	.186	.198	.206	.216	.209
25	.213	.217	.220	.217	.217	.223	.226	.219	.210	.209	.205	.229	.224
26	.184	.193	.179	.147	.149	.157	.200	.160	.140	.151	.158	.133	.188
27	.214	.201	.193	.181	.192	.201	.182	.197	.192	.195	.206	.214	.202
28	.235	.230	.204	.105	.194	.196	.187	.203	.208	.205	.192	.188	.186
29	.158	.148	.154	.155	.164	.151	.158	.180	.175	.182	.207	.198	.197
30	.223	.221	.226	.230	.221	.221	.222	.221	.229	.249	.254	.237	.262
31	.232	.232	.229	.232	.225	.220	.218	.222	.232	.224	.231	.231	.235
Mean.	.221	.221	.216	.214	.214	.212	.217	.217	.219	.223	.225	.230	.232

Absolute Maximum = .281 on 16th, at 11 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## HOURLY VALUES—continued.

IN INCHES.

OCTOBER, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-206	-183	-169	-191	-194	-184	-151	-136	-136	-139	-142	-194	-232	-136	1
-140	-146	-130	-145	-151	-152	-157	-164	-174	-189	-195	-143	-195	-121	2
-230	-235	-237	-237	-241	-241	-244	-246	-246	-246	-246	-225	-246	-198	3
-240	-239	-238	-238	-239	-239	-241	-241	-241	-242	-243	-243	-247	-238	4
-251	-253	-252	-253	-257	-258	-262	-266	-265	-272	-272	-250	-272	-235	5
-272	-261	-260	-259	-256	-243	-237	-234	-231	-233	-236	-260	-274	-231	6
-249	-248	-251	-253	-256	-257	-259	-262	-265	-264	-255	-245	-265	-215	7
-221	-223	-220	-224	-222	-225	-214	-223	-173	-164	-163	-220	-251	-163	8
-249	-253	-253	-255	-254	-256	-262	-268	-270	-270	-271	-227	-271	-159	9
-270	-277	-275	-275	-271	-266	-254	-247	-252	-252	-225	-264	-277	-225	10
-188	-185	-181	-191	-201	-211	-220	-228	-227	-238	-243	-208	-243	-181	11
-245	-244	-244	-241	-240	-236	-236	-234	-233	-223	-216	-244	-256	-216	12
-246	-255	-255	-243	-236	-233	-235	-236	-239	-242	-242	-240	-260	-220	13
-255	-242	-242	-244	-252	-256	-257	-258	-256	-253	-251	-249	-261	-242	14
-268	-264	-265	-268	-267	-267	-264	-264	-266	-258	-256	-264	-271	-256	15
-272	-260	-229	-211	-186	-181	-176	-170	-159	-157	-155	-235	-281	-155	16
-211	-200	-196	-209	-209	-208	-192	-196	-192	-200	-205	-186	-232	-142	17
-208	-240	-248	-250	-256	-236	-229	-229	-237	-239	-241	-214	-256	-171	18
-225	-211	-219	-218	-213	-219	-230	-231	-237	-243	-251	-230	-251	-211	19
-263	-252	-257	-249	-248	-218	-215	-213	-186	-208	-192	-249	-278	-186	20
-246	-244	-244	-242	-211	-225	-227	-215	-211	-198	-199	-218	-250	-189	21
-239	-251	-250	-254	-255	-256	-257	-260	-261	-263	-261	-218	-263	-166	22
-217	-198	-210	-219	-206	-217	-208	-206	-214	-189	-191	-234	-276	-189	23
-207	-202	-188	-201	-189	-195	-202	-205	-196	-178	-200	-190	-216	-155	24
-219	-240	-246	-236	-241	-238	-224	-217	-208	-192	-165	-219	-246	-165	25
-205	-213	-188	-217	-236	-239	-245	-246	-239	-236	-220	-191	-246	-133	26
-202	-200	-202	-207	-200	-203	-202	-222	-240	-238	-237	-205	-240	-181	27
-196	-161	-147	-144	-135	-137	-141	-164	-144	-145	-188	-178	-235	-105	28
-199	-203	-206	-196	-205	-208	-201	-208	-204	-215	-226	-186	-226	-148	29
-244	-241	-237	-236	-230	-230	-234	-237	-237	-237	-233	-262	-221	-221	30
-239	-239	-240	-240	-242	-242	-244	-245	-246	-246	-234	-246	-246	-218	31
-230	-228	-225	-227	-225	-225	-223	-224	-222	-221	-222	-252	-186	Mean.	

Absolute Minimum = 105 on 28th, at 4 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-246	-246	-246	-246	-247	-247	-248	-250	-251	-250	-250	-258	-256
2	-224	-229	-223	-216	-212	-213	-210	-210	-224	-236	-233	-228	-257
3	-193	-180	-196	-197	-203	-211	-225	-232	-244	-255	-251	-267	-251
4	-241	-243	-239	-237	-238	-239	-250	-259	-260	-258	-250	-244	-244
5	-213	-209	-186	-182	-188	-194	-189	-185	-184	-192	-188	-186	-181
6	-208	-207	-208	-211	-215	-220	-226	-232	-234	-236	-237	-239	-240
7	-210	-198	-183	-173	-179	-188	-187	-188	-193	-204	-219	-208	-209
8	-187	-194	-195	-197	-207	-207	-217	-216	-228	-238	-249	-236	-238
9	-220	-223	-225	-228	-231	-233	-233	-229	-220	-231	-234	-234	-237
10	-247	-240	-240	-235	-229	-224	-196	-200	-182	-220	-192	-187	-173
11	-167	-164	-124	-140	-126	-127	-128	-131	-137	-154	-173	-169	-182
12	-173	-169	-169	-169	-175	-184	-176	-199	-208	-205	-207	-216	-201
13	-228	-226	-227	-227	-225	-227	-227	-229	-234	-239	-254	-269	-262
14	-252	-251	-250	-249	-248	-248	-250	-256	-265	-278	-282	-281	-285
15	-265	-264	-263	-253	-253	-256	-256	-253	-253	-255	-264	-270	-270
16	-276	-273	-272	-274	-272	-275	-277	-272	-268	-268	-271	-274	-275
17	-281	-274	-277	-277	-278	-280	-279	-282	-275	-282	-255	-220	-214
18	-241	-240	-224	-216	-205	-201	-205	-238	-250	-274	-271	-250	-235
19	-219	-208	-210	-214	-211	-213	-222	-230	-241	-245	-241	-237	-234
20	-204	-184	-206	-202	-220	-213	-232	-226	-237	-225	-205	-216	-222
21	-230	-222	-220	-216	-211	-210	-211	-208	-222	-241	-245	-284	-271
22	-274	-273	-278	-270	-268	-265	-268	-270	-274	-277	-281	-280	-279
23	-245	-222	-217	-208	-212	-211	-206	-213	-227	-224	-233	-233	-244
Mean.	-219	-219	-223	-219	-220	-221	-223	-225	-231	-239	-239	-239	-237

\*Means for 23 days.

Absolute Maximum = .285 on 14th, at 1 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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HOURLY VALUES—*continued.*

IN INCHES.

NOVEMBER, 1913.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.268	.282	.273	.261	.248	.235	.215	.213	.213	.215	.221	.246	.282	.213	1
.249	.248	.258	.245	.242	.233	.215	.197	.193	.200	.196	.225	.258	.193	2
.246	.247	.251	.244	.244	.242	.250	.242	.240	.242	.241	.232	.267	.180	3
.252	.251	.246	.246	.237	.237	.234	.238	.239	.237	.246	.244	.260	.234	4
.183	.182	.180	.195	.199	.202	.198	.196	.199	.198	.199	.193	.213	.181	5
.237	.236	.234	.233	.235	.235	.235	.234	.228	.223	.216	.227	.240	.206	6
.195	.193	.191	.195	.189	.174	.159	.163	.163	.171	.180	.189	.219	.159	7
.232	.231	.227	.224	.214	.203	.214	.210	.215	.218	.220	.217	.249	.187	8
.242	.242	.243	.249	.257	.258	.259	.260	.259	.257	.255	.239	.260	.220	9
.177	.177	.158	.159	.169	.143	.154	.152	.168	.149	.158	.191	.247	.143	10
.206	.187	.196	.193	.191	.186	.188	.187	.187	.188	.175	.167	.206	.124	11
.212	.209	.210	.211	.203	.206	.204	.212	.217	.221	.225	.198	.225	.169	12
.264	.255	.260	.254	.258	.261	.257	.258	.253	.256	.256	.245	.269	.225	13
.277	.269	.272	.284	.278	.277	.280	.275	.270	.265	.266	.267	.285	.248	14
.270	.272	.273	.274	.271	.273	.271	.276	.273	.276	.275	.265	.276	.253	15
.277	.276	.277	.277	.277	.277	.277	.277	.282	.283	.280	.275	.283	.268	16
.228	.266	.253	.256	.249	.249	.252	.244	.246	.243	.241	.260	.282	.214	17
.256	.248	.248	.213	.224	.207	.224	.225	.211	.200	.207	.230	.274	.200	18
.228	.217	.248	.198	.226	.212	.220	.220	.225	.222	.219	.227	.248	.198	19
.213	.226	.221	.231	.219	.225	.220	.216	.218	.225	.230	.218	.237	.184	20
.261	.252	.248	.240	.247	.253	.267	.270	.274	.275	.282	.243	.284	.210	21
.277	.279	.274	.264	.265	.260	.261	.258	.260	.259	.264	.270	.281	.258	22
.228	.219	.206	.200	.183	.178	.178	.177	.176	.167	.163	.209	.245	.163	23
.238	.237	.233	.232	.232	.227	.227	.226	.226	.226	.226	.228	.252	.201	Mean.

Absolute Minimum = .124 on 11th, at 3 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	
1	...	...	...	...	...	...	...	...	...	211	208	212	215	218
2	237	235	235	235	234	235	239	246	246	254	257	253	249	
3	253	256	257	261	263	263	266	266	279	269	274	275	307	
4	229	223	223	216	213	203	199	189	196	197	153	207	191	
5	274	275	276	246	234	246	249	247	242	232	213	214	210	
6	185	197	194	197	205	211	208	206	223	248	260	258	255	
7	226	229	225	225	224	223	218	204	218	214	205	180	187	
8	198	201	199	200	208	200	200	204	213	203	218	218	217	
9	180	184	201	203	212	214	220	218	215	212	198	207	210	
10	219	218	231	233	233	232	235	236	239	238	234	232	241	
11	208	200	203	200	199	205	213	210	215	219	220	223	221	
12	207	206	200	201	204	214	218	223	233	229	224	256	231	
13	186	192	192	194	204	215	211	217	212	212	211	190	191	
14	174	204	177	193	205	207	207	219	244	249	255	264	250	
15	255	259	254	259	256	255	264	261	274	271	270	274	282	
16	254	256	253	251	235	238	228	223	215	222	240	244	261	
17	241	240	239	239	239	239	238	239	241	239	239	250	251	
18	235	220	222	225	244	233	235	239	238	242	235	233	223	
19	221	223	227	236	249	253	256	262	259	256	261	254	255	
20	213	201	220	218	227	225	239	229	224	241	232	225	220	
21	209	197	204	202	204	202	205	204	195	201	204	207	212	
22	212	213	221	228	229	236	240	243	245	245	254	259	267	
23	256	258	258	258	258	258	258	259	264	265	260	229	214	
24	223	212	215	216	213	213	212	209	190	208	211	235	233	
25	210	213	215	212	215	220	220	221	219	223	235	246	241	
26	206	207	209	211	215	207	218	219	211	224	241	232	256	
27	190	185	196	198	191	193	196	201	205	204	194	207	213	
28	231	228	236	235	235	240	240	245	252	264	275	292	290	
29	263	263	263	263	261	244	259	275	211	215	237	264	287	
30	239	236	242	233	221	251	246	253	258	259	262	256	242	
31	255	258	254	257	258	271	274	258	256	282	300	294	291	
Mean.	223	223	225	225	226	226	230	231	231	235	236	239	240	

Absolute Maximum = .307 on 3rd, at 1 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

279

—HOURLY VALUES—*continued.*

IN INCHES.

DECEMBER, 1914.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.224	.218	.211	.213	.217	.227	.229	.237	.240	.239	.239	...	.....	.....	1
.249	.243	.242	.238	.234	.235	.236	.243	.241	.247	.250	.242	.257	.234	2
.295	.283	.262	.260	.245	.240	.230	.224	.223	.226	.231	.259	.307	.223	3
.162	.180	.190	.210	.232	.231	.233	.197	.243	.237	.241	.208	.243	.153	4
.215	.201	.220	.226	.207	.201	.195	.200	.193	.185	.198	.226	.276	.185	5
.269	.247	.225	.234	.225	.236	.248	.248	.235	.234	.227	.227	.269	.185	6
.208	.169	.154	.159	.186	.192	.189	.177	.198	.194	.192	.200	.229	.154	7
.232	.186	.184	.178	.176	.183	.183	.186	.188	.188	.189	.198	.232	.176	8
.219	.236	.229	.243	.238	.231	.221	.216	.215	.215	.215	.214	.243	.180	9
.246	.241	.243	.241	.233	.230	.217	.210	.209	.208	.211	.230	.246	.208	10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
.210	.196	.199	.197	.206	.211	.202	.194	.201	.210	.214	.207	.223	.194	11
.219	.207	.211	.218	.223	.205	.186	.181	.184	.192	.186	.212	.256	.181	12
.191	.184	.197	.203	.194	.182	.184	.187	.170	.167	.176	.194	.217	.167	13
.223	.231	.259	.261	.263	.263	.263	.262	.261	.261	.261	.234	.264	.174	14
.286	.273	.278	.279	.278	.270	.268	.263	.259	.262	.260	.267	.286	.254	15
.249	.243	.247	.254	.253	.255	.248	.242	.249	.253	.243	.244	.261	.215	16
.253	.256	.265	.259	.247	.253	.245	.240	.238	.242	.230	.245	.265	.230	17
.226	.230	.231	.224	.226	.227	.216	.210	.212	.215	.222	.228	.244	.210	18
.253	.253	.252	.245	.233	.228	.216	.214	.194	.212	.221	.239	.262	.194	19
.219	.222	.220	.218	.210	.222	.227	.221	.203	.213	.206	.221	.241	.201	20
.205	.201	.202	.202	.222	.209	.200	.190	.200	.205	.212	.204	.212	.190	21
.259	.250	.254	.263	.256	.255	.253	.253	.254	.254	.254	.244	.267	.212	22
.237	.246	.237	.219	.219	.220	.215	.207	.222	.211	.220	.240	.265	.207	23
.210	.206	.224	.211	.213	.208	.214	.177	.191	.207	.212	.211	.235	.177	24
.243	.243	.232	.220	.220	.216	.207	.208	.205	.209	.221	.246	.205	25	
.227	.201	.217	.227	.232	.241	.209	.196	.213	.218	.198	.218	.256	.196	26
.209	.199	.203	.200	.205	.193	.191	.195	.211	.218	.226	.200	.226	.185	27
.280	.272	.273	.273	.267	.264	.264	.266	.263	.263	.263	.258	.292	.228	28
.285	.291	.267	.284	.281	.245	.238	.234	.233	.231	.231	.256	.291	.211	29
.232	.217	.222	.235	.243	.256	.253	.251	.252	.255	.257	.244	.262	.217	30
.287	.271	.279	.267	.253	.239	.219	.211	.226	.235	.241	.260	.300	.211	31
.237	.229	.231	.231	.231	.228	.223	.217	.220	.221	.223	.228	.256	.199	Mean.

Absolute Minimum = .153 on 4th, at 11 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND:

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-251	-257	-261	-268	-267	-274	-275	-278	-281	-282	-293	-294	-291
2	-275	-275	-274	-275	-275	-267	-260	-272	-278	-262	-271	-275	-266
3	-207	-218	-206	-203	-204	-209	-190	-214	-226	-221	-236	-229	-219
4	-205	-216	-208	-203	-198	-214	-212	-201	-195	-192	-186	-191	-182
5	-219	-225	-235	-236	-236	-239	-241	-242	-249	-245	-248	-248	-251
6	-260	-254	-259	-261	-260	-261	-269	-271	-276	-277	-281	-284	-299
7	-227	-222	-223	-217	-217	-218	-229	-232	-231	-237	-242	-245	-255
8	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	...
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	-235	-227	-225	-208	-181	-169	-163	-170	-186	-174	-108	-159	-180
15	-267	-263	-269	-264	-258	-244	-226	-179	-224	-226	-238	-219	-196
16	-162	-171	-220	-200	-223	-215	-223	-219	-246	-236	-240	-219	-203
17	-246	-249	-257	-262	-259	-240	-232	-243	-265	-274	-279	-268	-263
18	-220	-213	-211	-213	-221	-222	-221	-225	-234	-227	-234	-228	-230
19	...	...	...	...	...	...	...	...	...	...	...	...	...
20	-181	-188	-204	-203	-205	-214	-220	-210	-210	-211	-213	-212	-220
21	-267	-269	-264	-270	-268	-266	-269	-277	-292	-304	-294	-287	-284
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	-222	-214	-202	-202	-204	-203	-209	-225	-216	-236	-242	-241	-243
25	-218	-211	-217	-213	-219	-223	-220	-217	-215	-224	-222	-214	-212
26	-238	-244	-254	-257	-258	-250	-255	-262	-244	-243	-244	-248	-254
27	-250	-250	-253	-255	-258	-253	-255	-260	-263	-259	-249	-266	-287
28	-278	-279	-279	-278	-280	-279	-271	-276	-276	-284	-291	-284	-290
29	-273	-272	-273	-273	-272	-272	-271	-267	-277	-276	-247	-242	-242
30	-210	-200	-191	-187	-190	-195	-190	-192	-191	-207	-216	-223	-217
31	-201	-209	-214	-219	-224	-221	-233	-228	-241	-258	-265	-268	-270
Mean.	-231	-232	-233	-231	-230	-229	-230	-230	-242	-242	-245	-239	-240

\* Means for 21 days.

Absolute Maximum = -320 on 6th, at 4 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

281

—HOURLY VALUES—*continued.*

IN INCHES.

JANUARY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.289	.287	.290	.290	.288	.283	.283	.287	.286	.284	.277	.279	.294	.251	1
.254	.242	.244	.245	.241	.238	.236	.228	.212	.220	.205	.255	.278	.205	2
.219	.214	.218	.215	.215	.204	.185	.180	.187	.185	.210	.210	.236	.180	3
.184	.173	.165	.175	.179	.193	.202	.196	.217	.210	.209	.196	.217	.165	4
.255	.266	.260	.255	.255	.260	.263	.266	.259	.262	.261	.248	.266	.219	5
.310	.316	.320	.301	.285	.269	.253	.238	.236	.235	.230	.272	.320	.230	6
.252	.252	.244	.233	.234	.229	.229	.227	.235	.236	.246	.234	.255	.217	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
.189	.193	.202	.206	.202	.213	.227	.244	.233	.244	.258	.203	.258	.159	14
.206	.190	.184	.178	.174	.173	.172	.176	.163	.172	.233	.212	.269	.163	15
.211	.237	.214	.213	.205	.215	.227	.246	.233	.233	.239	.219	.246	.162	16
.250	.234	.233	.236	.233	.222	.226	.227	.224	.224	.222	.245	.279	.222	17
.210	.223	.196	.201	.180	.171	.189	.201	...	...	...	...	...	...	18
...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
.225	.236	.232	.234	.239	.243	.265	.274	.272	.275	.271	.226	.275	.181	20
.208	.281	.297	.294	.291	.289	.284	.280	.295	.291	.272	.283	.304	.264	21
...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
.246	.238	.245	.245	.245	.239	.238	.241	.236	.231	.229	.230	.246	.202	24
.231	.224	.228	.224	.230	.241	.225	.219	.230	.223	.231	.222	.241	.211	25
.260	.260	.264	.262	.258	.255	.245	.237	.234	.243	.247	.250	.266	.234	26
.287	.310	.293	.296	.276	.278	.280	.282	.277	.275	.276	.270	.310	.249	27
.288	.286	.295	.288	.283	.281	.283	.282	.280	.275	.274	.282	.295	.271	28
.232	.210	.232	.224	.224	.218	.210	.200	.219	.234	.218	.246	.277	.200	29
.227	.211	.217	.216	.203	.207	.203	.204	.208	.196	.194	.204	.227	.187	30
.264	.248	.258	.245	.240	.238	.241	.244	.242	.244	.246	.239	.270	.201	31
.244	.241	.239	.237	.231	.231	.234	.232	.233	.232	.236	.239	.268	.208	Mean.

Absolute Minimum = .150 on 14th, at noon.

\*064—2N

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-249	-255	-258	-255	-255	-258	-261	-266	-276	-273	-275	-255	-243
2	-242	-242	-245	-244	-250	-250	-240	-228	-249	-248	-257	-258	-262
3	-261	-268	-267	-272	-269	-274	-283	-293	-299	-292	-269	-263	-249
4	-209	-201	-202	-205	-206	-219	-223	-235	-237	-257	-261	-277	-260
5	-274	-272	-272	-268	-271	-271	-274	-272	-277	-278	-278	-284	-287
6	-202	-288	-286	-280	-287	-286	-274	-279	-287	-287	-289	-286	-292
7	-237	-252	-253	-256	-256	-257	-264	-261	-266	-274	-296	-303	-296
8	-263	-262	-262	-261	-264	-266	-269	-266	-268	-277	-282	-285	-279
9	-257	-256	-256	-256	-257	-260	-270	-276	-295	-296	-306	-312	-316
10	-248	-247	-248	-242	-254	-262	-261	-263	-261	-256	-261	-267	-272
11	-247	-248	-249	-245	-237	-233	-238	-244	-234	-240	-257	-273	-247
12	-238	-238	-243	-246	-246	-249	-252	-257	-234	-235	-246	-240	-260
13	-186	-189	-194	-195	-192	-194	-208	-203	-211	-219	-226	-236	-235
14	-224	-231	-232	-233	-233	-234	-227	-216	-209	-238	-255	-265	-264
15	-183	-187	-192	-194	-196	-195	-197	-202	-201	-205	-215	-208	-216
16	-244	-248	-254	-264	-274	-273	-273	-272	-284	-281	-282	-283	-286
17	-235	-235	-220	-215	-217	-211	-223	-235	-235	-232	-235	-245	-256
18	-186	-211	-206	-209	-196	-211	-215	-225	-227	-234	-220	-214	-229
19	-213	-223	-231	-243	-248	-255	-263	-270	-276	-274	-274	-274	-274
20	-266	-266	-266	-266	-266	-263	-260	-262	-246	-257	-262	-242	-235
21	-206	-198	-199	-201	-183	-189	-202	-210	-219	-231	-227	-229	-253
22	...	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	-277	-277	-277	-277	-277	-278	-277	-275	-279	-283	-296	-293	-286
26	-285	-285	-285	-285	-271	-270	-258	-258	-260	-253	-256	-271	-271
27	-209	-212	-208	-203	-207	-212	-203	-215	-250	-231	-253	-249	-256
28	-235	-236	-235	-236	-231	-232	-231	-240	-201	-243	-255	-255	-256
Mean.	-239	-241	-242	-242	-242	-244	-246	-249	-251	-256	-261	-263	-263

\* Means for 25 complete days.

Absolute Maximum = .316 on 9th, at 1 p.m.

—HOURLY VALUES—*continued.*

IN INCHES.

FEBRUARY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.236	.224	.225	.227	.227	.232	.257	.232	.241	.242	.242	.249	.276	.224	1
.265	.274	.267	.266	.268	.267	.266	.266	.265	.266	.269	.255	.274	.228	2
.238	.233	.241	.240	.230	.217	.210	.206	.228	.217	.220	.253	.299	.206	3
.268	.271	.263	.270	.277	.279	.274	.274	.273	.274	.274	.248	.279	.201	4
.288	.283	.282	.279	.280	.279	.282	.281	.283	.285	.285	.278	.288	.268	5
.288	.272	.273	.270	.265	.266	.266	.266	.257	.243	.237	.277	.292	.237	6
.288	.273	.270	.265	.257	.259	.253	.255	.251	.263	.265	.265	.303	.237	7
.280	.276	.277	.269	.270	.270	.268	.266	.264	.259	.258	.268	.285	.258	8
.310	.277	.283	.281	.269	.256	.246	.255	.259	.248	.244	.273	.316	.244	9
.223	.214	.248	.234	.234	.243	.259	.268	.260	.268	.262	.252	.272	.214	10
.246	.235	.237	.234	.237	.219	.246	.230	.235	.234	.235	.241	.273	.219	11
.250	.244	.225	.229	.228	.220	.212	.208	.242	.218	.208	.237	.260	.208	12
.231	.219	.222	.219	.210	.213	.205	.216	.215	.215	.218	.211	.236	.186	13
.262	.197	.220	.218	.217	.211	.209	.165	.207	.195	.195	.228	.265	.165	14
.230	.224	.220	.226	.236	.240	.231	.234	.236	.239	.242	.214	.242	.183	15
.287	.287	.287	.284	.276	.260	.248	.229	.243	.233	.236	.268	.287	.229	16
.223	.216	.219	.221	.227	.223	.223	.211	.208	.198	.202	.225	.256	.198	17
.225	.213	.222	.191	.212	.207	.215	.219	.211	.208	.212	.213	.234	.186	18
.274	.276	.275	.274	.273	.272	.268	.266	.266	.266	.266	.261	.276	.213	19
.217	.220	.213	.184	.205	.205	.201	.212	.200	.201	.196	.235	.266	.184	20
.242	.230	.246	.249	.263	.259	.257	.233	.254	.251	.245	.223	.263	.183	21
...	...	...	...	...	...	...	...	...	...	...	...	...	...	22
...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
.285	.287	.285	.279	.280	.281	.282	.282	.281	.281	.281	.281	.296	.275	25
.274	.264	.279	.244	.226	.222	.218	.211	.217	.213	.209	.255	.285	.209	26
.255	.234	.248	.270	.262	.264	.267	.265	.269	.260	.236	.238	.270	.203	27
.236	.231	.247	.257	.253	.261	.265	.232	.268	.271	.270	.244	.271	.201	28
.257	.247	.251	.247	.247	.245	.245	.239	.245	.242	.240	.248	.274	.214	Mean.

Absolute Minimum = .165 on 14th, at 9 p.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-267	-267	-267	-265	-263	-261	-263	-271	-285	-273	-267	-272	-269
2	-271	-276	-275	-280	-295	-287	-282	-283	-274	-278	-284	-285	-276
3	-282	-285	-285	-280	-273	-263	-257	-261	-253	-256	-257	-266	-260
4	-221	-220	-219	-212	-216	-218	-226	-235	-230	-231	-250	-252	-255
5	-253	-249	-233	-226	-211	-216	-214	-227	-222	-240	-252	-256	-253
6	-207	-205	-197	-192	-201	-198	-187	-195	-204	-208	-211	-225	-238
7	-273	-284	-284	-283	-278	-279	-276	-280	-289	-288	-259	-307	-302
8	-290	-298	-284	-277	-274	-255	-247	-244	-238	-260	-258	-266	-273
9	-317	-309	-297	-294	-267	-268	-270	-259	-272	-279	-271	-256	-272
10	-217	-226	-236	-250	-260	-267	-282	-284	-285	-293	-294	-267	-255
11	-227	-229	-216	-227	-205	-233	-197	-220	-232	-203	-249	-225	-257
12	-218	-200	-236	-232	-244	-241	-219	-245	-230	-236	-265	-204	-251
13	-196	-150	-181	-195	-179	-200	-181	-191	-208	-214	-232	-223	-165
14	-169	-143	-188	-189	-175	-183	-171	-165	-214	-176	-228	-225	-214
15	-229	-235	-231	-246	-246	-247	-249	-249	-247	-260	-267	-263	-274
16	-249	-251	-244	-255	-247	-260	-260	-262	-253	-262	-269	-274	-268
17	-208	-201	-218	-212	-201	-203	-204	-206	-237	-239	-242	-237	-280
18	-281	-282	-282	-279	-272	-266	-266	-269	-288	-285	-285	-285	-288
19	-285	-288	-288	-293	-293	-299	-300	-301	-304	-301	-295	-291	-290
20	-303	-302	-300	-297	-298	-290	-258	-258	-246	-242	-245	-255	
21	-127	-133	-121	-117	-144	-119	-136	-162	-189	-173	-189	-190	-201
22	-275	-274	-273	-257	-232	-231	-235	-236	-246	-245	-263	-247	-271
23	-268	-267	-267	-266	-266	-266	-263	-260	-266	-253	-252	-252	
24	-267	-266	-264	-268	-259	-259	-260	-260	-268	-265	-270	-271	-272
25	-273	-276	-278	-278	-278	-277	-277	-277	-289	-284	-279	-280	-278
26	-284	-284	-296	-309	-309	-309	-308	-306	-298	-305	-281	-264	-260
27	-236	-242	-232	-245	-245	-247	-254	-262	-252	-200	-265	-265	-271
28	-224	-200	-171	-187	-174	-197	-194	-175	-204	-203	-202	-201	-180
29	-103	-209	-201	-155	-175	-214	-215	-224	-222	-247	-228	-230	-202
30	-208	-193	-142	-154	-213	-191	-212	-202	-214	-244	-246	-250	-250
31	-194	-190	-216	-198	-212	-221	-222	-220	-215	-212	-244	-225	-225
Mean.	-242	-240	-239	-240	-239	-241	-238	-242	-248	-249	-255	-253	-254

Absolute Maximum = -340 on 7th, at 11 p.m.

—HOURLY VALUES—*continued:*

IN INCHES:

MARCH, 1915:

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean:	Maximum:	Minimum:	Date:
.250	.250	.239	.260	.235	.254	.265	.252	.267	.270	.266	.262	.285	.235	1
.277	.245	.301	.298	.308	.307	.304	.295	.295	.289	.289	.285	.308	.245	2
.259	.204	.265	.203	.240	.242	.238	.236	.234	.225	.226	.258	.285	.225	3
.256	.265	.264	.274	.272	.275	.278	.284	.268	.265	.265	.247	.284	.212	4
.244	.235	.242	.239	.231	.226	.223	.213	.215	.216	.220	.233	.258	.211	5
.241	.255	.254	.255	.255	.258	.265	.273	.274	.273	.271	.229	.274	.187	6
.304	.317	.310	.300	.301	.303	.317	.326	.325	.340	.328	.307	.340	.259	7
.280	.293	.291	.296	.292	.309	.310	.316	.320	.320	.319	.284	.320	.238	8
.249	.237	.240	.232	.218	.223	.205	.226	.221	.211	.209	.256	.317	.205	9
.242	.252	.237	.236	.250	.248	.275	.252	.245	.244	.242	.255	.294	.217	10
.225	.219	.241	.209	.232	.195	.208	.214	.211	.223	.226	.222	.257	.195	11
.215	.189	.167	.156	.169	.149	.196	.186	.172	.173	.196	.208	.265	.149	12
.189	.209	.211	.234	.232	.222	.223	.175	.160	.147	.135	.196	.234	.135	13
.225	.239	.245	.239	.243	.227	.219	.221	.237	.238	.230	.205	.245	.143	14
.275	.271	.262	.259	.258	.256	.241	.258	.248	.246	.254	.253	.275	.229	15
.270	.279	.257	.236	.231	.219	.214	.203	.225	.208	.182	.246	.279	.182	16
.266	.271	.268	.267	.267	.265	.269	.267	.277	.278	.278	.241	.278	.201	17
.281	.287	.294	.288	.281	.282	.284	.293	.284	.284	.284	.282	.294	.266	18
.290	.300	.294	.296	.298	.303	.302	.310	.304	.304	.304	.297	.310	.285	19
.261	.272	.268	.193	.166	.141	.162	.173	.162	.162	.149	.239	.303	.141	20
.187	.200	.251	.254	.253	.249	.250	.226	.268	.267	.270	.192	.270	.117	21
.264	.266	.266	.267	.267	.274	.276	.276	.277	.274	.269	.261	.277	.231	22
.251	.261	.262	.263	.264	.264	.271	.267	.274	.274	.272	.263	.274	.251	23
.273	.278	.273	.270	.271	.271	.271	.272	.283	.282	.284	.270	.284	.259	24
.277	.272	.272	.273	.264	.261	.260	.266	.263	.264	.275	.274	.289	.260	25
.255	.242	.232	.216	.223	.221	.211	.234	.226	.244	.242	.266	.309	.211	26
.271	.261	.273	.276	.285	.289	.289	.250	.242	.221	.220	.257	.289	.220	27
.204	.217	.206	.192	.174	.206	.173	.178	.194	.193	.202	.195	.224	.171	28
.206	.154	.159	.182	.190	.181	.217	.195	.201	.199	.206	.200	.247	.154	29
.263	.255	.253	.258	.263	.266	.266	.266	.266	.259	.244	.231	.266	.142	30
.226	.210	.208	.218	.210	.210	.199	.202	.187	.190	.194	.207	.244	.187	31
.251	.250	.252	.248	.247	.245	.247	.245	.246	.244	.244	.246	.280	.206	Mean.

Absolute Minimum = .117 on 21st, at 4 a.m.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.203	.157	.206	.185	.192	.190	.220	.219	.224	.213	.213	.219	.213
2	.180	.189	.186	.178	.182	.176	.175	.172	.159	.155	.191	.211	.211
3	.124	.151	.169	.177	.204	.210	.211	.223	.240	.254	.249	.236	.220
4	.207	.225	.226	.227	.226	.227	.232	.238	.251	.254	.248	.223	.170
5	.173	.216	.204	.224	.211	.224	.222	.222	.232	.242	.245	.237	.241
6	.220	.192	.159	.206	.207	.169	.146	.215	.190	.189	.197	.198	.149
7	.248	.251	.252	.252	.252	.254	.255	.270	.258	.258	.257	.257	.255
8	.253	.253	.254	.254	.254	.254	.254	.266	.254	.254	.253	.253	.258
9	.254	.258	.263	.265	.262	.261	.260	.260	.267	.260	.260	.260	.258
10	.240	.227	.227	.227	.191	.187	.183	.171	.188	.162	.167	.156	.154
11	.159	.158	.163	.169	.171	.173	.173	.173	.187	.173	.185	.200	.218
12	...	...	...	...	...	...	...	...	...	...	...	...	...
13	...	...	...	...	...	...	...	...	...	...	...	...	...
14	.243	.242	.217	.211	.225	.234	.199	.179	.211	.188	.191	.185	.188
15	.198	.210	.208	.208	.208	.204	.200	.207	.216	.207	.209	.230	.215
16	.190	.200	.224	.224	.224	.224	.245	.250	.270	.274	.272	.272	.272
17	.268	.267	.264	.260	.258	.257	.253	.243	.234	.229	.206	.194	.178
18	.209	.220	.224	.237	.267	.260	.250	.246	.264	.256	.267	.274	.270
19	.260	.268	.266	.267	.270	.273	.274	.277	.285	.267	.265	.267	.267
20	.244	.245	.238	.228	.208	.192	.191	.186	.207	.180	.136	.167	.146
21	.180	.187	.184	.194	.208	.205	.148	.188	.178	.151	.104	.123	.093
22	.126	.139	.146	.156	.204	.206	.214	.231	.236	.250	.256	.261	.264
23	...	...	...	...	...	...	...	...	...	...	...	...	...
24	...	...	...	...	...	...	...	...	...	...	...	...	...
25	.242	.242	.238	.227	.232	.233	.238	.244	.237	.246	.255	.256	.255
26	.211	.231	.230	.236	.217	.228	.220	.230	.240	.244	.246	.257	.257
27	.228	.224	.185	.216	.224	.205	.217	.232	.238	.235	.225	.244	.245
28	.200	.198	.216	.192	.175	.167	.139	.152	.158	.157	.169	.191	.184
29	.236	.242	.224	.164	.175	.198	.208	.185	.198	.194	.203	.222	.213
30	.151	.182	.188	.190	.190	.178	.181	.177	.168	.189	.179	.158	.167
Mean.	.209	.214	.214	.214	.217	.215	.212	.217	.224	.219	.217	.221	.214

\* Mean for 26 days.

Absolute Maximum = .286 on 5th, at 10 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

287

HOURLY VALUES—*continued.*

IN INCHES.

APRIL, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
-220	-196	-211	-200	-182	-157	-140	-152	-182	-197	-176	-195	-224	-140	1
-200	-185	-193	-198	-180	-188	-182	-156	-139	-128	-122	-178	-211	-122	2
-216	-206	-212	-209	-193	-190	-187	-190	-199	-210	-229	-202	-254	-124	3
-163	-187	-221	-188	-160	-161	-195	-189	-201	-160	-153	-207	-254	-153	4
-239	-206	-241	-239	-236	-233	-231	-179	-286	-223	-229	-225	-286	-173	5
-158	-200	-191	-163	-134	-160	-190	-222	-223	-234	-242	-180	-242	-134	6
-254	-260	-259	-248	-254	-254	-254	-264	-253	-253	-253	-254	-270	-248	7
-263	-266	-255	-253	-253	-253	-252	-258	-258	-251	-247	-255	-266	-247	8
-260	-242	-257	-259	-260	-264	-264	-273	-264	-263	-265	-260	-273	-242	9
-152	-185	-149	-144	-137	-135	-153	-157	-157	-156	-156	-176	-240	-135	10
-219	-229	-229	-234	-226	-226	-230	-234	-232	-240	-243	-200	-243	-158	11
...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
-188	-239	-245	-251	-250	-236	-212	-230	-209	-200	-204	-217	-251	-179	14
-202	-207	-196	-197	-193	-179	-181	-206	-193	-178	-179	-202	-230	-178	15
-272	-277	-272	-272	-271	-271	-271	-268	-271	-270	-268	-253	-277	-190	16
-184	-195	-176	-170	-162	-162	-162	-182	-162	-172	-182	-211	-268	-162	17
-262	-259	-264	-253	-253	-254	-255	-265	-259	-259	-259	-252	-274	-209	18
-266	-269	-253	-252	-246	-246	-251	-253	-245	-246	-246	-260	-285	-245	19
-197	-216	-220	-222	-183	-206	-199	-200	-215	-209	-191	-202	-245	-136	20
-103	-130	-103	-103	-104	-103	-105	-126	-115	-132	-119	-142	-208	-093	21
-265	-257	-267	-270	-271	-274	-272	-263	-266	-263	-263	-231	-274	-126	22
...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
-255	-251	-267	-267	-267	-267	-251	-249	-241	-238	-210	-247	-267	-210	25
-258	-266	-258	-258	-258	-258	-258	-263	-252	-251	-245	-244	-266	-211	26
-225	-224	-218	-212	-193	-215	-226	-210	-212	-199	-200	-220	-245	-185	27
-183	-208	-169	-189	-213	-220	-172	-196	-184	-205	-222	-185	-222	-139	28
-231	-211	-213	-208	-209	-208	-135	-150	-190	-154	-137	-198	-242	-135	29
-158	-182	-179	-184	-190	-146	-133	-147	-157	-169	-207	-171	-207	-133	30
-215	-221	-220	-217	-214	-210	-206	-211	-214	-210	-200	-214	-251	-170	Mean.

Absolute Minimum = .093 on 21st, at 1 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.216	.209	.194	.189	.191	.191	.205	.261	.261	.255	.213	.201	.189
2	.131	.131	.142	.143	.154	.152	.153	.159	.172	.169	.194	.192	.203
3	.218	.183	.207	.207	.193	.202	.197	.196	.187	.207	.204	.204	.204
4	.127	.140	.131	.134	.092	.087	.086	.090	.128	.104	.107	.122	.116
5	.230	.233	.241	.249	.252	.252	.254	.258	.266	.262	.267	.267	.267
6	.195	.206	.218	.221	.226	.234	.238	.242	.256	.254	.258	.256	.260
7	.246	.241	.238	.238	.241	.239	.238	.240	.246	.240	.251	.250	.251
8	.255	.260	.263	.264	.266	.263	.264	.262	.264	.269	.269	.271	.270
9	.260	.261	.261	.260	.260	.260	.260	.253	.256	.252	.231	.207	.211
10	.162	.180	.153	.159	.144	.176	.168	.128	.160	.163	.178	.104	.123
11	.133	.134	.105	.102	.136	.185	.210	.211	.209	.200	.198	.203	.223
12	.161	.182	.176	.185	.161	.143	.135	.159	.146	.136	.154	.145	.146
13	.244	.246	.247	.246	.246	.247	.248	.250	.253	.255	.255	.256	.256
14	.221	.225	.231	.234	.233	.234	.237	.251	.244	.250	.255	.235	.226
15	.228	.233	.232	.233	.246	.263	.262	.266	.257	.269	.267	.263	.266
16	.296	.294	.291	.287	.285	.285	.284	.280	.277	.277	.278	.278	.278
17	.295	.297	.297	.294	.292	.292	.296	.297	.294	.287	.287	.287	.292
18	.233	.233	.231	.231	.235	.233	.235	.235	.232	.235	.235	.234	.240
19	.222	.225	.225	.225	.225	.219	.231	.233	.237	.237	.245	.241	.241
20	.234	.234	.234	.235	.248	.247	.248	.254	.264	.270	.282	.278	.289
21	.263	.263	.270	.278	.272	.274	.273	.267	.257	.261	.259	.260	.255
22	.251	.253	.255	.255	.239	.239	.239	.243	.246	.248	.250	.253	.252
23	.156	.173	.173	.170	.167	.168	.167	.164	.173	.170	.186	.203	.212
24	.225	.218	.213	.221	.208	.204	.199	.209	.215	.214	.219	.229	.239
25	.221	.218	.220	.223	.223	.225	.218	.218	.226	.229	.240	.230	.235
26	.229	.220	.229	.229	.229	.230	.231	.235	.237	.238	.241	.246	.246
27	.248	.247	.241	.237	.228	.218	.205	.205	.198	.211	.212	.221	.229
28	.206	.209	.191	.187	.180	.180	.184	.192	.198	.201	.194	.204	.206
29	.184	.178	.168	.157	.153	.159	.147	.149	.166	.162	.157	.158	.148
30	.182	.195	.198	.200	.202	.204	.213	.222	.208	.216	.213	.216	.217
31	.248	.248	.247	.246	.246	.246	.239	.236	.238	.244	.244	.243	.230
Mean,	.217	.219	.217	.217	.215	.217	.218	.221	.225	.226	.227	.225	.226

Absolute Maximum = .298 on 20th, at 3 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

289

## —HOURLY VALUES—continued.

IN INCHES.

MAY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean	Maximum	Minimum	Date
-194	-165	-167	-179	-187	-152	-141	-146	-120	-120	-131	-189	-261	-120	1
-235	-270	-264	-262	-263	-264	-268	-278	-271	-275	-248	-206	-278	-131	2
-196	-211	-204	-198	-187	-151	-163	-159	-165	-145	-145	-192	-218	-145	3
-125	-131	-131	-141	-145	-155	-165	-171	-192	-206	-229	-134	-229	-086	4
-267	-270	-267	-267	-215	-211	-210	-190	-198	-200	-178	-241	-270	-178	5
-255	-257	-260	-259	-260	-258	-259	-263	-252	-244	-243	-243	-263	-195	6
-253	-266	-263	-259	-260	-258	-254	-250	-257	-257	-257	-250	-266	-238	7
-270	-275	-271	-270	-271	-270	-268	-275	-264	-264	-262	-266	-275	-255	8
-214	-190	-170	-159	-173	-168	-173	-171	-172	-177	-169	-217	-261	-159	9
-123	-126	-163	-166	-164	-164	-164	-159	-144	-153	-144	-153	-180	-104	10
-227	-247	-245	-228	-204	-234	-216	-206	-185	-170	-129	-189	-247	-102	11
-170	-185	-207	-200	-214	-217	-207	-219	-225	-234	-239	-179	-239	-135	12
-257	-262	-265	-267	-272	-276	-276	-274	-246	-236	-226	-255	-276	-226	13
-228	-230	-217	-222	-220	-229	-229	-227	-227	-228	-229	-232	-255	-217	14
-280	-273	-273	-275	-275	-275	-275	-277	-283	-280	-285	-262	-285	-228	15
-278	-278	-277	-282	-284	-291	-290	-287	-292	-291	-293	-285	-296	-277	16
-293	-294	-284	-284	-284	-284	-286	-291	-269	-244	-226	-286	-297	-226	17
-235	-228	-222	-224	-226	-226	-225	-219	-210	-219	-224	-224	-229	-210	18
-246	-248	-247	-246	-239	-238	-234	-228	-228	-229	-228	-234	-240	-210	19
-293	-298	-270	-288	-284	-262	-260	-257	-261	-263	-263	-261	-298	-234	20
-256	-256	-254	-249	-266	-277	-276	-276	-256	-254	-249	-263	-278	-249	21
-250	-249	-217	-199	-179	-179	-167	-146	-147	-146	-149	-221	-256	-146	22
-218	-217	-225	-223	-210	-204	-217	-221	-226	-222	-224	-194	-226	-166	23
-239	-237	-236	-235	-234	-231	-233	-236	-231	-232	-226	-225	-239	-199	24
-224	-224	-219	-220	-221	-222	-226	-227	-229	-229	-229	-225	-240	-218	25
-246	-253	-270	-253	-242	-239	-240	-244	-245	-246	-247	-240	-270	-229	26
-232	-237	-231	-225	-224	-224	-222	-220	-219	-213	-213	-224	-248	-198	27
-209	-215	-201	-199	-200	-202	-180	-192	-183	-185	-178	-196	-215	-178	28
-150	-154	-156	-143	-140	-139	-168	-173	-164	-172	-175	-159	-184	-139	29
-219	-229	-226	-229	-232	-239	-243	-246	-248	-247	-246	-219	-248	-182	30
-224	-218	-221	-221	-222	-224	-226	-212	-212	-210	-223	-233	-248	-210	31
-229	-232	-230	-228	-226	-225	-225	-224	-220	-219	-216	-223	-253	-187	Mean.

Absolute Minimum = -086 on 4th, at 7 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-216	-220	-211	-214	-243	-245	-248	-251	-265	-257	-246	-245	-224
2	-258	-258	-263	-263	-263	-263	-263	-264	-264	-275	-277	-278	-274
3	-271	-271	-271	-272	-276	-275	-276	-277	-275	-279	-275	-277	-276
4	-218	-228	-227	-227	-229	-233	-245	-246	-255	-255	-256	-256	-257
5	-243	-244	-244	-245	-245	-245	-244	-243	-210	-221	-221	-223	-228
6	-268	-270	-268	-265	-265	-265	-268	-268	-271	-271	-271	-271	-270
7	-274	-274	-272	-272	-277	-277	-277	-277	-247	-261	-261	-265	-255
8	-186	-122	-130	-142	-135	-135	-174	-199	-198	-200	-199	-204	-198
9	-173	-162	-167	-170	-146	-122	-126	-120	-140	-145	-135	-128	-139
10	-232	-218	-205	-216	-202	-200	-200	-206	-196	-199	-192	-181	-163
11	-234	-234	-226	-226	-227	-228	-229	-229	-226	-231	-234	-227	-221
12	-166	-164	-149	-143	-134	-151	-159	-157	-143	-135	-133	-127	-090
13	-145	-132	-152	-119	-132	-124	-114	-124	-124	-124	-132	-127	-127
14	-215	-226	-227	-231	-233	-234	-234	-235	-246	-246	-249	-256	-207
15	-167	-140	-169	-149	-157	-170	-155	-161	-147	-157	-151	-151	-140
16	-197	-200	-204	-206	-228	-246	-263	-266	-269	-266	-264	-234	-195
17	-188	-188	-190	-194	-171	-183	-187	-191	-187	-190	-172	-163	-165
18	-096	-109	-114	-128	-098	-128	-107	-105	-115	-100	-098	-099	-095
19	-120	-122	-122	-127	-128	-135	-132	-134	-144	-145	-152	-153	-159
20	-200	-200	-197	-195	-194	-192	-188	-186	-178	-174	-173	-173	-173
21	-193	-194	-195	-195	-197	-199	-202	-193	-190	-195	-188	-184	-194
22	-219	-218	-217	-215	-220	-226	-223	-222	-237	-229	-235	-235	-235
23	-242	-244	-250	-252	-250	-249	-246	-248	-249	-247	-252	-254	-257
24	-251	-250	-255	-255	-257	-255	-255	-255	-263	-265	-263	-265	-267
25	-232	-230	-227	-230	-237	-253	-255	-251	-240	-253	-254	-247	-241
26	-244	-244	-243	-242	-241	-241	-241	-240	-246	-237	-233	-237	-237
27	-198	-199	-201	-206	-213	-215	-215	-215	-219	-226	-214	-215	-216
28	-237	-236	-236	-236	-230	-234	-220	-217	-211	-211	-224	-230	-236
29	-238	-237	-236	-235	-234	-236	-239	-241	-249	-240	-240	-241	-238
30	...	...	...	...	...	...	...	...	...	...	...	...	...
Mean.	-211	-208	-209	-209	-209	-212	-213	-215	-214	-215	-214	-212	-206

\* Mean for 30 days.

Absolute Maximum = -279 on 3rd at 10 a.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

291

—HOURLY VALUES—*continued.*

IN INCHES:

JUNE, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.236	.256	.259	.265	.265	.261	.263	.254	.261	.253	.258	.247	.265	.211	1
.268	.264	.264	.266	.267	.266	.269	.271	.271	.268	.268	.265	.278	.258	2
.275	.274	.274	.274	.273	.271	.268	.266	.265	.249	.239	.271	.279	.239	3
.259	.256	.252	.252	.250	.249	.248	.246	.245	.244	.243	.245	.259	.218	4
.233	.248	.246	.253	.256	.260	.258	.266	.268	.268	.268	.244	.268	.210	5
.266	.263	.265	.264	.265	.266	.267	.271	.276	.276	.275	.268	.276	.263	6
.236	.230	.218	.206	.204	.206	.211	.206	.189	.180	.153	.239	.277	.153	7
.192	.169	.178	.166	.133	.134	.160	.155	.170	.165	.178	.167	.204	.122	8
.152	.161	.171	.147	.182	.194	.185	.202	.213	.222	.229	.163	.229	.120	9
.155	.156	.150	.178	.194	.203	.205	.207	.227	.232	.230	.200	.232	.150	10
.216	.194	.199	.198	.194	.187	.192	.176	.172	.173	.177	.211	.234	.172	11
.086	.108	.111	.123	.102	.110	.081	.098	.109	.112	.127	.127	.166	.081	12
.118	.127	.142	.108	.104	.109	.129	.135	.148	.173	.171	.130	.173	.104	13
.164	.133	.130	.124	.130	.127	.130	.131	.143	.135	.164	.190	.256	.124	14
.163	.131	.163	.138	.121	.123	.138	.134	.165	.184	.196	.152	.196	.121	15
.193	.198	.185	.185	.187	.184	.185	.191	.198	.175	.186	.213	.269	.175	16
.158	.154	.152	.130	.115	.126	.112	.123	.115	.099	.111	.158	.194	.099	17
.092	.121	.113	.103	.117	.112	.117	.108	.110	.115	.118	.107	.128	.092	18
.171	.162	.178	.183	.189	.191	.192	.196	.198	.202	.202	.158	.202	.120	19
.170	.176	.177	.177	.178	.184	.188	.165	.190	.180	.194	.184	.200	.165	20
.202	.197	.197	.196	.196	.198	.202	.202	.218	.217	.218	.196	.218	.184	21
.236	.239	.235	.235	.236	.238	.241	.238	.238	.240	.231	.241	.215	22	
.252	.250	.253	.256	.258	.253	.252	.243	.245	.253	.256	.250	.258	.242	23
.268	.267	.261	.253	.253	.245	.245	.246	.253	.242	.234	.255	.268	.234	24
.241	.235	.232	.231	.230	.226	.223	.230	.230	.242	.247	.238	.255	.223	25
.234	.225	.228	.222	.215	.209	.209	.209	.208	.207	.197	.229	.246	.197	26
.221	.225	.226	.232	.238	.239	.239	.239	.239	.235	.237	.222	.239	.198	27
.237	.243	.243	.245	.247	.251	.253	.256	.245	.241	.238	.236	.256	.211	28
.231	.235	.243	.233	.216	.216	.216	.219	.223	.223	.222	.230	.249	.216	29
...	...	...	...	...	...	...	...	...	...	...	...	...	...	30
.204	.203	.204	.201	.200	.201	.203	.203	.208	.207	.210	.208	.235	.176	Mean.

Absolute Minimum = .081 on 12th at 8 p.m.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.194	.203	.212	.218	.222	.225	.230	.235	.240	.240	.246	.249	.249
2	.249	.249	.253	.255	.258	.257	.257	.259	.256	.256	.254	.254	.254
3	.239	.242	.238	.237	.234	.233	.224	.215	.190	.195	.188	.171	.170
4	.218	.221	.219	.222	.248	.256	.261	.267	.269	.265	.265	.260	.258
5	.269	.265	.264	.261	.263	.263	.263	.265	.264	.267	.261	.262	.266
6	.218	.218	.218	.216	.216	.211	.208	.208	.204	.208	.201	.202	.209
7	.147	.148	.153	.154	.163	.159	.152	.157	.164	.161	.144	.140	.140
8	.192	.194	.183	.185	.188	.192	.200	.200	.183	.201	.182	.183	.188
9	.201	.201	.199	.201	.201	.203	.203	.205	.196	.189	.189	.185	.176
10	.233	.235	.236	.243	.243	.244	.230	.230	.255	.247	.248	.249	.249
11	.182	.183	.174	.161	.170	.157	.169	.165	.180	.182	.191	.209	.187
12	.235	.233	.238	.190	.193	.170	.167	.164	.190	.172	.157	.144	.149
13	.196	.187	.184	.182	.169	.172	.171	.144	.152	.141	.144	.139	.143
14	.223	.234	.219	.224	.209	.200	.192	.205	.195	.194	.188	.182	.180
15	.231	.220	.174	.188	.190	.189	.207	.220	.232	.229	.217	.205	.212
16	.225	.204	.230	.231	.232	.233	.233	.230	.249	.250	.252	.256	.257
17	.243	.239	.236	.232	.230	.230	.232	.236	.230	.241	.243	.243	.246
18	.210	.195	.188	.192	.175	.153	.166	.176	.175	.177	.174	.175	.142
19	.233	.247	.252	.252	.250	.252	.252	.250	.242	.244	.252	.254	.253
20	.235	.234	.236	.239	.239	.236	.230	.232	.230	.247	.253	.254	.258
21	.254	.254	.254	.254	.246	.239	.233	.214	.200	.202	.202	.196	.180
22	.150	.161	.165	.176	.175	.183	.188	.199	.213	.219	.231	.227	.238
23	.179	.171	.170	.164	.180	.188	.187	.185	.212	.212	.220	.235	.241
24	.257	.256	.259	.262	.265	.267	.267	.264	.206	.165	.167	.197	.175
25	.216	.229	.235	.240	.250	.252	.253	.252	.249	.247	.245	.239	.237
26	.263	.264	.265	.267	.270	.273	.274	.267	.264	.257	.237	.213	.194
27	.239	.243	.241	.237	.242	.241	.241	.244	.252	.253	.248	.244	.246
28	.273	.278	.246	.237	.241	.241	.237	.236	.211	.224	.230	.233	.208
29	.130	.179	.190	.166	.164	.180	.181	.224	.206	.213	.207	.222	.207
30	.174	.157	.156	.182	.175	.145	.125	.125	.126	.131	.143	.144	.159
31	.100	.130	.148	.124	.138	.124	.128	.120	.140	.127	.132	.135	.124
Mean.	.213	.215	.215	.213	.214	.212	.212	.213	.213	.211	.210	.209	.207

Absolute Maximum = .284 on 20th, from 7 to 8 p.m.

HOURLY VALUES—*continued.*

IN INCHES.

JULY, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.247	.245	.245	.247	.252	.251	.254	.256	.253	.254	.256	.258	.256	.194	1
.259	.261	.261	.260	.234	.216	.224	.254	.250	.247	.246	.251	.261	.216	2
.172	.191	.182	.185	.197	.220	.226	.249	.233	.222	.218	.212	.249	.170	3
.258	.268	.266	.269	.270	.270	.267	.268	.268	.263	.268	.256	.270	.218	4
.271	.274	.263	.257	.252	.227	.221	.226	.218	.223	.224	.255	.274	.218	5
.209	.196	.174	.197	.192	.200	.181	.199	.181	.151	.153	.200	.218	.151	6
.140	.161	.166	.170	.169	.171	.176	.173	.184	.187	.188	.180	.188	.140	7
.187	.184	.187	.190	.192	.194	.189	.197	.192	.192	.193	.190	.201	.182	8
.173	.169	.182	.178	.169	.193	.205	.219	.224	.233	.233	.196	.233	.169	9
.246	.240	.237	.194	.184	.199	.200	.192	.200	.177	.195	.226	.255	.177	10
.189	.227	.223	.224	.224	.221	.221	.249	.226	.229	.226	.198	.249	.157	11
.159	.191	.158	.167	.160	.150	.171	.175	.174	.204	.197	.180	.238	.144	12
.133	.143	.134	.144	.158	.145	.158	.182	.185	.209	.217	.163	.217	.133	13
.205	.224	.230	.243	.252	.258	.257	.255	.257	.252	.244	.221	.257	.182	14
.228	.211	.209	.217	.222	.222	.169	.196	.218	.214	.221	.211	.232	.169	15
.257	.255	.257	.256	.256	.256	.255	.248	.245	.244	.243	.243	.257	.204	16
.246	.249	.248	.253	.247	.254	.261	.262	.237	.231	.214	.242	.262	.214	17
.176	.203	.207	.226	.228	.227	.229	.231	.229	.230	.231	.196	.231	.142	18
.245	.244	.244	.241	.241	.239	.238	.240	.231	.231	.235	.244	.254	.231	19
.264	.275	.279	.282	.283	.284	.284	.266	.264	.259	.258	.255	.284	.230	20
.163	.180	.158	.155	.153	.152	.147	.139	.155	.149	.159	.195	.254	.139	21
.232	.249	.249	.237	.235	.226	.221	.199	.182	.181	.179	.205	.249	.159	22
.243	.248	.244	.244	.245	.258	.253	.255	.255	.256	.255	.219	.258	.164	23
.165	.156	.157	.156	.174	.177	.170	.162	.192	.202	.206	.206	.267	.156	24
.237	.231	.231	.234	.239	.246	.250	.253	.253	.258	.259	.242	.259	.216	25
.197	.191	.230	.233	.233	.224	.224	.234	.235	.239	.238	.242	.274	.191	26
.255	.267	.260	.261	.253	.261	.267	.267	.275	.270	.273	.251	.275	.237	27
.218	.232	.195	.204	.175	.167	.140	.148	.127	.127	.127	.209	.278	.127	28
.221	.212	.211	.224	.214	.213	.199	.213	.167	.173	.170	.194	.224	.136	29
.161	.164	.193	.157	.127	.123	.138	.136	.121	.126	.132	.149	.193	.121	30
.119	.109	.109	.111	.131	.115	.148	.146	.153	.129	.148	.129	.153	.100	31
.209	.215	.212	.213	.212	.212	.212	.216	.213	.212	.213	.212	.244	.174	Mean.

Absolute Minimum = .100 on 31st, at 1 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-128	-152	-177	-182	201	-177	-170	-151	-164	-174	-146	-162	-170
2	-154	-165	-168	-173	185	-180	-189	-186	-180	-183	-189	-189	-192
3	-180	-192	-179	-190	-194	-192	-189	-181	-198	-191	-196	-196	-192
4	-178	-178	-179	-180	-181	-182	-180	-179	-179	-181	-189	-193	-198
5	-236	-237	-240	-243	-246	-249	-250	-253	-269	-267	-267	-265	-258
6	-239	-238	-224	-215	-209	-217	-225	-210	-236	-213	-213	-209	-201
7	-160	-153	-152	-158	-171	-151	-147	-150	-148	-139	-129	-137	-147
8	-161	-160	-158	-156	-154	-157	-160	-165	-151	-172	-181	-184	-185
9	-199	-197	-198	-201	-205	-205	-206	-207	-216	-220	-232	-241	-244
10	-251	-255	-255	-260	-265	-275	-270	-271	-271	-272	-272	-275	-274
11	-245	-234	-234	-237	-243	-249	-254	-251	-255	-257	-255	-258	-259
12	-258	-258	-257	-257	-262	-264	-266	-278	-287	-278	-278	-281	-283
13	-226	-219	-220	-214	-209	-205	-198	-188	-190	-185	183	-193	-194
14	-230	-240	-241	-241	-242	-241	-239	-241	-244	-245	-246	-246	-256
15	-212	-205	-209	-214	-217	-220	-225	-226	-228	-228	-222	-227	-228
16	-268	-266	-271	-271	-270	-270	-270	-270	-270	-276	-266	-266	-266
17	-253	-246	-243	-239	-239	-239	-238	-236	-239	-239	-239	-272	-245
18	-222	-221	-219	-216	-217	-233	-232	-230	-239	-235	-241	-250	-252
19	-267	-264	-265	-253	-249	-242	-240	-250	-260	-263	-261	-261	-261
20	-271	-260	-244	-235	-225	-212	-206	-200	-198	-192	-185	-176	-164
21	-162	-141	-157	-191	-218	-225	-239	-243	-256	-256	-258	-258	-260
22	-192	-168	-153	-146	-189	-148	-161	-185	-220	-225	-248	-247	-248
23	-166	-178	-208	-224	-251	-255	-256	-243	-234	-213	-211	-191	-192
24	-236	-224	-233	-222	-200	-183	-194	-215	-219	-210	-211	-215	-224
25	-177	-188	-196	-201	-210	-219	-227	-237	-243	-255	-257	-267	-266
26	-232	-227	-233	-243	-245	-246	-241	-241	-247	-253	-253	-258	-261
27	-261	-261	-265	-266	-266	-267	-270	-267	-266	-266	-265	-265	-264
28	242	-242	-240	-235	-234	-233	-232	-232	-231	-232	-231	-231	-232
29	-250	-249	-249	-252	-209	-207	-227	-229	-232	-233	-233	-237	-239
30	-181	-179	-181	-151	-147	-143	-149	-150	-156	-122	-115	-123	-104
31	-127	-104	-97	-105	-121	-118	-128	-98	-102	-115	-133	-164	-104
Mean.	-212	-210	-207	-212	-216	-213	-216	-212	-217	-216	-220	-224	-222

Absolute Maximum = -269 on 12th, at 5 p.m.

## HOURLY VALUES—continued.

IN INCHES.

AUGUST, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.181	.160	.163	.141	.143	.163	.148	.150	.150	.150	.156	.159	.201	.128	1
.197	.206	.200	.194	.179	.183	.173	.182	.178	.184	.194	.183	.206	.154	2
.198	.205	.199	.199	.196	.192	.190	.185	.182	.181	.180	.191	.205	.179	3
.199	.203	.186	.188	.219	.220	.226	.232	.227	.228	.231	.197	.232	.178	4
.267	.265	.264	.261	.254	.253	.248	.246	.244	.238	.237	.251	.269	.236	5
.207	.202	.200	.171	.169	.170	.188	.193	.180	.166	.169	.204	.239	.166	6
.172	.149	.164	.172	.168	.163	.167	.139	.164	.164	.163	.156	.172	.129	7
.182	.172	.180	.185	.186	.186	.184	.184	.189	.202	.203	.174	.203	.151	8
.248	.243	.236	.239	.224	.220	.230	.239	.239	.240	.242	.222	.248	.197	9
.276	.265	.267	.276	.278	.264	.261	.259	.260	.260	.253	.267	.278	.251	10
.258	.257	.256	.255	.258	.259	.262	.202	.260	.258	.257	.253	.262	.234	11
.284	.287	.288	.289	.277	.276	.278	.266	.262	.234	.227	.270	.289	.227	12
.185	.199	.190	.192	.194	.197	.205	.215	.227	.227	.238	.203	.238	.183	13
.234	.233	.226	.223	.225	.224	.218	.216	.216	.210	.211	.234	.256	.210	14
.223	.224	.236	.240	.249	.257	.261	.267	.268	.263	.268	.233	.268	.205	15
.258	.257	.250	.249	.250	.250	.250	.253	.253	.258	.256	.262	.276	.249	16
.236	.230	.229	.222	.222	.224	.213	.206	.211	.219	.220	.234	.272	.206	17
.253	.255	.259	.259	.263	.264	.264	.263	.264	.264	.264	.244	.264	.218	18
.259	.260	.259	.257	.257	.261	.260	.258	.275	.269	.270	.259	.275	.240	19
.153	.143	.142	.133	.123	.135	.144	.156	.156	.163	.168	.185	.271	.123	20
.260	.262	.262	.262	.263	.195	.158	.183	.179	.196	.200	.219	.263	.141	21
.202	.211	.202	.189	.177	.154	.171	.190	.193	.208	.214	.198	.248	.146	22
.189	.186	.186	.186	.190	.195	.215	.241	.246	.244	.245	.215	.256	.166	23
.206	.206	.194	.166	.148	.162	.165	.179	.167	.149	.159	.197	.236	.148	24
.262	.254	.243	.246	.250	.249	.246	.245	.233	.232	.232	.233	.267	.177	25
.256	.255	.261	.263	.259	.255	.255	.254	.256	.256	.259	.251	.263	.227	26
.264	.264	.263	.263	.263	.262	.261	.260	.258	.254	.246	.263	.270	.246	27
.233	.237	.245	.248	.256	.250	.249	.249	.248	.253	.255	.242	.256	.231	28
.231	.228	.227	.227	.224	.209	.190	.190	.191	.194	.196	.224	.252	.190	29
.104	.124	.123	.113	.109	.125	.124	.129	.147	.140	.120	.137	.181	.104	30
.105	.120	.119	.097	.102	.115	.097	.115	.114	.136	.155	.118	.164	.097	31
.218	.218	.217	.213	.212	.211	.211	.213	.212	.214	.217	.215	.245	.184	Mean.

Absolute Minimum = .097 on 31st, at 5 p.m.

Table IV.—VAPOUR PRESSURE

MACQUARIE ISLAND.

EXPRESSED

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	-187	-191	-184	-192	-186	-192	-195	-165	-164	-190	-160	-157	-169
2	-199	-223	-224	-225	-228	-229	-229	-230	-237	-241	-241	-241	-241
3	-247	-244	-241	-241	-240	-243	-240	-237	-243	-242	-245	-245	-246
4	-239	-237	-235	-237	-237	-222	-225	-227	-230	-224	-225	-231	-226
5	-095	-080	-076	-108	-100	-130	-126	-098	-110	-107	-102	-099	-102
6	-147	-163	-156	-167	-146	-157	-160	-192	-210	-205	-216	-222	-224
7	-166	-174	-170	-187	-193	-205	-209	-221	-251	-254	-268	-273	-275
8	-229	-229	-234	-196	-199	-193	-209	-224	-242	-243	-238	-246	-247
9	-242	-243	-244	-246	-248	-246	-250	-252	-255	-257	-246	-255	-255
10	-251	-251	-251	-256	-254	-255	-256	-256	-256	-254	-254	-253	-252
11	-239	-234	-233	-234	-240	-240	-242	-241	-240	-240	-241	-240	-240
12	-225	-229	-227	-221	-220	-219	-224	-234	-233	-243	-245	-234	-281
13	-198	-190	-188	-189	-189	-188	-191	-194	-200	-204	-210	-214	-217
14	-224	-226	-228	-231	-233	-237	-238	-241	-249	-247	-242	-242	-240
15	-253	-253	-254	-255	-256	-256	-261	-259	-267	-263	-263	-262	-265
16	-241	-240	-239	-236	-235	-237	-237	-239	-241	-239	-240	-238	-241
17	-226	-220	-218	-221	-222	-219	-222	-238	-247	-248	-261	-257	-260
18	-215	-213	-207	-201	-201	-188	-185	-187	-195	-194	-193	-202	-213
19	-207	-205	-198	-173	-172	-186	-164	-176	-195	-179	-193	-186	-186
20	-183	-176	-174	-175	-180	-186	-190	-194	-198	-205	-209	-210	-211
21	-245	-260	-252	-257	-258	-258	-258	-263	-265	-265	-265	-261	-265
22	-251	-257	-259	-263	-255	-253	-257	-254	-260	-261	-253	-257	-255
23	-234	-233	-226	-237	-242	-248	-252	-256	-259	-259	-268	-264	-268
24	-232	-230	-233	-234	-244	-251	-256	-251	-220	-239	-249	-255	-261
25	-254	-255	-258	-261	-267	-267	-270	-268	-275	-276	-265	-262	-269
26	-253	-251	-243	-244	-246	-250	-256	-262	-266	-267	-267	-267	-266
27	-264	-246	-245	-245	-251	-249	-246	-245	-248	-250	-248	-248	-253
28	-239	-241	-242	-241	-239	-239	-243	-238	-235	-238	-240	-239	-240
29	-244	-244	-245	-234	-220	-207	-221	-220	-229	-211	-209	-229	-179
30	-189	-126	-152	-146	-120	-140	-164	-150	-183	-188	-182	-163	-173
Mean.	-219	-218	-218	-218	-217	-220	-223	-224	-230	-231	-231	-231	-232
M.													

Absolute Maximum = -281 on 25th, at 5 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

297

HOURLY VALUES—*continued:*

IN INCHES.

SEPTEMBER, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.173	.194	.154	.141	.154	.186	.176	.199	.188	.181	.194	.177	.199	.141	1
.245	.251	.253	.248	.248	.249	.248	.256	.252	.252	.251	.238	.266	.199	2
.247	.237	.236	.228	.227	.226	.223	.224	.226	.227	.235	.237	.247	.223	3
.222	.234	.232	.222	.193	.178*	.162	.157	.137	.121	.095	.209	.239	.095	4
.120	.111	.114	.137	.136	.144	.160	.145	.185	.176	.156	.121	.185	.076	5
.199	.204	.174	.165	.160	.156	.170	.190	.161	.167	.170	.178	.224	.146	6
.276	.278	.271	.271	.271	.264	.262	.258	.246	.249	.231	.237	.278	.166	7
.241	.258	.252	.251	.251	.251	.251	.251	.249	.244	.244	.236	.258	.193	8
.256	.256	.270	.264	.255	.254	.256	.256	.256	.256	.256	.253	.270	.242	9
.248	.246	.247	.247	.247	.246	.246	.246	.246	.246	.244	.251	.256	.244	10
.240	.240	.239	.239	.235	.235	.237	.237	.235	.230	.228	.237	.242	.228	11
.236	.239	.235	.231	.227	.228	.222	.227	.219	.210	.208	.228	.245	.208	12
.211	.209	.209	.209	.209	.210	.211	.219	.219	.219	.220	.204	.220	.188	13
.242	.243	.232	.240	.240	.246	.250	.256	.254	.252	.253	.240	.256	.224	14
.265	.264	.264	.252	.251	.254	.251	.252	.249	.241	.241	.257	.267	.241	15
.241	.236	.235	.229	.228	.231	.226	.237	.237	.239	.239	.237	.241	.226	16
.263	.264	.266	.249	.247	.245	.237	.228	.228	.231	.230	.240	.266	.218	17
.203	.206	.203	.203	.202	.202	.203	.203	.202	.197	.206	.200	.215	.185	18
.190	.194	.187	.180	.178	.170	.183	.199	.189	.186	.184	.187	.207	.164	19
.224	.233	.234	.230	.236	.237	.236	.241	.236	.240	.241	.210	.241	.174	20
.265	.256	.254	.247	.244	.243	.247	.246	.248	.250	.253	.256	.265	.243	21
.255	.256	.256	.253	.246	.247	.253	.256	.256	.254	.248	.255	.263	.246	22
.264	.256	.252	.252	.260	.265	.267	.276	.271	.257	.237	.253	.276	.226	23
.262	.265	.262	.264	.258	.253	.252	.261	.258	.255	.253	.250	.265	.220	24
.266	.274	.276	.281	.260	.258	.262	.261	.261	.259	.256	.265	.281	.254	25
.265	.267	.256	.256	.253	.252	.257	.266	.274	.271	.270	.259	.274	.243	26
.268	.252	.253	.254	.246	.245	.242	.229	.229	.230	.234	.247	.264	.229	27
.247	.259	.267	.278	.268	.253	.246	.239	.232	.244	.241	.245	.278	.232	28
.194	.198	.170	.179	.181	.184	.192	.182	.152	.179	.149	.204	.245	.149	29
.171	.192	.192	.209	.222	.225	.227	.228	.230	.254	.258	.184	.258	.120	30
.233	.236	.231	.230	.228	.228	.228	.231	.227	.227	.224	.226	.249	.198	Mean.

Absolute Minimum = .076 on 5th, at 3 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

## MACQUARIE ISLAND.

Date:	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon;	1 p.m.
1	-258	-272	-268	-267	-264	-266	-265	-264	-264	-265	-266	-264	-264
2	-237	-237	-236	-236	-244	-247	-248	-250	-261	-261	-265	-269	-271
3	-243	-239	-237	-234	-226	-211	-195	-194	-194	-197	-198	-198	-199
4	...	...	...	...	...	...	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...
6	-207	-222	-219	-237	-237	-233	-215	-225	-233	-246	-247	-250	-247
7	-252	-253	-249	-246	-246	-252	-252	-253	-253	-255	-258	-249	-259
8	-259	-259	-246	-218	-208	-198	-185	-188	-195	-192	-174	-174	-188
9	-142	-139	-143	-143	-144	-148	-149	-153	-164	-164	-152	-171	-162
10	-255	-263	-267	-267	-268	-271	-272	-273	-274	-222	-208	-211	-229
11	-197	-195	-200	-196	-197	-196	-201	-202	-204	-193	-196	-196	-194
12	-255	-253	-251	-251	-247	-247	-251	-251	-260	-265	-251	-245	-244
13	-196	-149	-136	-135	-148	-147	-145	-150	-166	-183	-201	-186	-197
14	-221	-222	-222	-221	-218	-226	-226	-213	-217	-224	-221	-229	-236
15	-258	-261	-259	-261	-263	-264	-266	-266	-264	-274	-269	-271	-270
16	-246	-247	-247	-244	-246	-246	-240	-231	-255	-232	-255	-243	-235
17	-200	-206	-215	-202	-180	-197	-211	-215	-212	-219	-229	-221	-223
18	-176	-177	-177	-172	-160	-152	-140	-137	-141	-130	-135	-129	-124
19	-120	-105	-109	-113	-129	-110	-113	-117	-126	-136	-147	-148	-152
20	-190	-202	-205	-216	-225	-225	-228	-231	-237	-246	-265	-242	-237
21	-152	-139	-134	-170	-138	-169	-137	-120	-139	-177	-175	-154	-196
22	-226	-229	-230	-233	-236	-236	-224	-213	-213	-216	-211	-216	-252
23	-238	-243	-244	-244	-244	-244	-244	-245	-249	-253	-252	-253	-253
24	-237	-238	-238	-229	-216	-209	-183	-204	-199	-228	-192	-165	-180
25	-161	-130	-151	-165	-166	-134	-144	-107	-080	-106	-192	-171	-165
26	-187	-195	-167	-138	-143	-112	-111	-110	-110	-110	-145	-145	-144
27	-168	-142	-150	-165	-168	-193	-195	-196	-200	-178	-209	-201	-188
28	-228	-235	-235	-233	-233	-234	-236	-241	-254	-252	-254	-260	-251
29	-249	-251	-253	-252	-248	-244	-244	-250	-261	-274	-273	-278	-279
30	-239	-235	-204	-221	-224	-224	-223	-224	-217	-222	-225	-227	-222
31	-192	-192	-186	-187	-191	-195	-203	-207	-212	-217	-218	-217	-221
Mean.	-213	-211	-209	-210	-209	-208	-205	-204	-216	-211	-217	-213	-217

\* Means for 29 complete days.

Absolute Maximum = -279 on 29th, at 1 p.m.

## METEOROLOGY—MACQUARIE ISLAND STATION.

299

HOURLY VALUES—*continued.*

IN INCHES:

OCTOBER, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date:
.263	.259	.259	.258	.255	.248	.247	.242	.242	.239	.237	.260	.272	.237	1
.268	.272	.271	.256	.251	.248	.246	.248	.247	.246	.246	.252	.272	.236	2
.201	.197	.191	.187	.181	.172	.169	.168	.168	.170	.165	.199	.243	.165	3
..	...	...	...	...	...	...	...	...	...	...	...	...	...	4
..	...	...	...	...	...	...	...	...	...	...	...	...	...	5
.248	.255	.257	.255	.266	.262	.259	.256	.253	.255	.254	.241	.266	.207	6
.260	.255	.257	.252	.255	.255	.257	.259	.259	.259	.259	.254	.260	.246	7
.206	.202	.196	.194	.199	.190	.181	.177	.139	.138	.148	.196	.259	.138	8
.172	.182	.197	.220	.220	.221	.234	.237	.252	.254	.240	.181	.254	.139	9
.227	.207	.218	.191	.206	.204	.204	.190	.185	.193	.199	.229	.274	.185	10
.203	.206	.200	.202	.204	.208	.246	.258	.254	.254	.254	.209	.258	.193	11
.252	.253	.250	.249	.244	.245	.242	.251	.253	.254	.226	.250	.265	.226	12
.189	.201	.204	.212	.215	.195	.206	.200	.195	.203	.213	.182	.215	.135	13
.256	.253	.245	.249	.248	.258	.262	.264	.263	.262	.263	.238	.264	.213	14
.271	.276	.277	.276	.278	.254	.250	.254	.254	.249	.246	.264	.278	.246	15
.235	.232	.214	.214	.280	.220	.201	.210	.204	.211	.204	.231	.255	.201	16
.206	.194	.188	.189	.154	.158	.160	.132	.144	.163	.171	.188	.229	.132	17
.125	.123	.132	.126	.130	.139	.136	.133	.133	.131	.126	.145	.177	.123	18
.153	.136	.149	.134	.131	.153	.154	.162	.157	.169	.169	.136	.169	.105	19
.237	.242	.197	.191	.151	.175	.163	.153	.155	.177	.147	.206	.265	.147	20
.208	.212	.208	.213	.204	.203	.210	.205	.224	.227	.224	.179	.227	.120	21
.196	.196	.191	.206	.205	.211	.214	.235	.227	.231	.232	.220	.252	.191	22
.252	.250	.251	.249	.248	.246	.244	.240	.239	.238	.237	.245	.253	.237	23
.144	.136	.150	.157	.113	.104	.130	.116	.104	.149	.157	.176	.238	.104	24
.171	.178	.179	.196	.187	.189	.188	.194	.195	.203	.182	.159	.203	.080	25
.145	.144	.111	.140	.112	.109	.109	.120	.169	.162	.175	.138	.195	.109	26
.205	.218	.221	.202	.201	.199	.203	.236	.225	.229	.228	.145	.236	.142	27
.250	.256	.254	.254	.253	.251	.249	.253	.249	.251	.248	.248	.260	.228	28
.276	.275	.274	.263	.256	.249	.253	.246	.243	.237	.238	.257	.279	.237	29
.230	.226	.226	.223	.217	.210	.203	.198	.196	.194	.194	.219	.239	.194	30
.217	.215	.206	.205	.198	.187	.185	.187	.187	.186	.185	.200	.221	.185	31
.216	.216	.213	.212	.209	.206	.207	.208	.207	.211	.209	.210	.244	.175	Mean.

Absolute Minimum = .080 on 25th, at 9 a.m.

Table IV.—VAPOUR PRESSURE

EXPRESSED

MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.
1	.185	.183	.181	.177	.174	.180	.182	.192	.191	.201	.187	.191	.191
2	.233	.236	.237	.238	.236	.237	.240	.239	.246	.246	.240	.244	.240
3	.251	.224	.225	.240	.251	.252	.250	.247	.242	.247	.245	.244	.233
4	.239	.224	.221	.221	.226	.226	.239	.242	.240	.250	.260	.254	.260
5	.209	.213	.223	.234	.239	.244	.244	.248	.251	.259	.258	.245	.242
6	.211	.213	.212	.213	.186	.187	.192	.200	.221	.213	.228	.229	.230
7	.198	.188	.197	.200	.192	.204	.202	.192	.214	.220	.209	.238	.222
8	.197	.198	.183	.184	.194	.194	.198	.198	.210	.215	.220	.221	.220
9	.202	.213	.207	.209	.188	.202	.177	.198	.192	.206	.198	.205	.209
10	.198	.197	.199	.201	.201	.206	.211	.222	.227	.235	.250	.251	.246
11	.203	.205	.213	.215	.220	.227	.236	.242	.253	.253	.264	.269	.269
12	.234	.226	.226	.222	.220	.222	.224	.225	.241	.253	.249	.239	.222
13	.239	.241	.243	.242	.244	.245	.254	.256	.255	.262	.263	.264	.271
14	.237	.226	.233	.231	.231	.237	.241	.239	.246	.259	.240	.236	.234
15	.231	.226	.224	.221	.224	.235	.234	.216	.221	.213	.240	.207	.252
16	.160	.166	.168	.165	.184	.193	.181	.178	.145	.146	.142	.140	.121
17	.214	.210	.218	.221	.229	.229	.230	.236	.243	.243	.245	.245	.244
18	.231	.234	.238	.238	.238	.238	.237	.234	.233	.232	.227	.228	.231
19	.195	.193	.219	.212	.174	.190	.190	.206	.206	.204	.221	.213	.210
20	.248	.251	.256	.254	.252	.254	.267	.268	.270	.276	.280	.274	.266
21	.257	.258	.260	.266	.267	.273	.269	.268	.270	.261	.259	.266	.266
22	.225	.225	.224	.230	.235	.244	.248	.258	.270	.295	.289	.274	.285
23	.267	.266	.262	.272	.280	.267	.283	.282	.268	.267	.267	.267	.260
24	.196	.177	.182	.211	.195	.213	.209	.213	.198	.235	.226	.201	.218
25	.200	.199	.198	.184	.190	.199	.196	.188	.197	.197	.201	.200	.219
26	.227	.232	.235	.237	.238	.234	.232	.231	.220	.207	.222	.224	.231
27	.231	.216	.214	.210	.214	.215	.215	.224	.230	.228	.218	.236	.266
28	.264	.266	.267	.257	.259	.246	.250	.252	.251	.244	.248	.245	.262
29	.256	.257	.258	.256	.257	.256	.256	.257	.268	.292	.292	.260	.257
30	.243	.233	.221	.222	.222	.226	.226	.231	.233	.223	.223	.191	.195
Mean.	.223	.220	.222	.223	.222	.226	.227	.229	.232	.236	.237	.234	.237

Absolute Maximum = .306 on 22nd, at 2 p.m.

HOURLY VALUES—continued.

IN INCHES.

NOVEMBER, 1915.

2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Hourly mean.	Maximum.	Minimum.	Date.
.196	.198	.196	.206	.209	.218	.224	.228	.230	.230	.231	.199	.231	.174	1
.248	.250	.242	.238	.235	.231	.238	.248	.251	.251	.251	.241	.251	.231	2
.241	.244	.241	.241	.238	.237	.237	.239	.239	.238	.239	.241	.252	.224	3
.261	.255	.243	.228	.225	.223	.223	.224	.226	.225	.217	.236	.261	.217	4
.241	.241	.239	.237	.230	.228	.228	.220	.215	.213	.211	.234	.259	.209	5
.231	.224	.223	.226	.189	.156	.179	.200	.204	.202	.209	.208	.239	.156	6
.224	.208	.209	.212	.212	.213	.213	.196	.203	.200	.198	.207	.238	.188	7
.225	.236	.218	.220	.223	.221	.219	.215	.214	.216	.199	.210	.236	.183	8
.207	.212	.217	.216	.213	.205	.204	.205	.203	.200	.199	.204	.217	.177	9
.237	.236	.233	.222	.216	.208	.204	.202	.202	.204	.202	.217	.259	.197	10
.272	.289	.268	.253	.242	.241	.243	.243	.241	.240	.238	.242	.289	.203	11
.223	.217	.215	.221	.216	.215	.216	.249	.247	.243	.231	.219	.253	.215	12
.260	.253	.248	.257	.255	.249	.245	.246	.246	.246	.245	.251	.271	.239	13
.229	.234	.235	.233	.232	.237	.236	.234	.234	.234	.232	.236	.259	.226	14
.244	.237	.233	.220	.208	.198	.188	.180	.174	.155	.163	.214	.252	.155	15
.120	.159	.181	.184	.199	.196	.201	.198	.184	.191	.206	.171	.206	.120	16
.246	.264	.266	.258	.256	.249	.247	.241	.235	.231	.229	.238	.266	.210	17
.235	.221	.240	.209	.208	.185	.181	.175	.179	.184	.197	.219	.238	.175	18
.241	.247	.247	.240	.252	.264	.262	.246	.245	.244	.244	.223	.264	.174	19
.251	.252	.251	.250	.250	.249	.249	.251	.244	.239	.253	.256	.280	.239	20
.219	.229	.236	.205	.199	.205	.203	.220	.226	.218	.220	.243	.273	.199	21
.306	.297	.295	.289	.277	.277	.282	.278	.277	.277	.274	.267	.306	.224	22
.277	.257	.256	.254	.239	.222	.211	.204	.206	.191	.196	.252	.283	.191	23
.223	.203	.206	.201	.202	.197	.189	.186	.191	.189	.190	.202	.235	.177	24
.211	.209	.206	.201	.204	.189	.191	.206	.213	.213	.224	.201	.224	.184	25
.223	.225	.225	.226	.220	.221	.224	.230	.232	.232	.230	.227	.238	.207	26
.203	.273	.257	.256	.254	.255	.256	.259	.258	.256	.259	.240	.273	.210	27
.263	.282	.287	.284	.270	.262	.250	.255	.255	.256	.256	.260	.287	.244	28
.249	.243	.246	.250	.248	.247	.251	.251	.251	.247	.246	.256	.292	.243	29
.215	.229	.234	.223	.206	.199	.203	.219	.217	.219	.213	.220	.243	.191	30
.236	.237	.236	.232	.228	.223	.223	.224	.225	.223	.223	.228	.256	.199	Mean.

Absolute Minimum = .120 on 16th, at 2 p.m.

TABLE V.

WIND DIRECTION—WIND  
VELOCITY.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
16	10	12	12	12	9	11	15	11	W.N.W.	14	14	13	15	14	16
17	9	10	11	12	13	12	10	10	W.	8	8	7	5	6	7
18	4	6	4	4	4	5	4	5	N.W.	5	7	5	7	6	18
19	7	5	6	7	7	14	10	16	E.S.E.	15	14	6	4	4	5
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
21	9	10	7	10	8	8	7	7	N.W.	7	6	8	8	9	21
22	14	12	10	10	9	8	9	10	N.	10	8	9	13	12	22
23	8	7	6	4	7	8	9	10	N.W.	12	13	13	11	12	23
24	5	7	6	5	5	5	4	4	N.W.	3	2	3	4	4	24
25	2	2	2	4	4	3	4	4	S.E.	4	6	6	6	5	25
26	6	6	6	5	5	6	7	9	S.E.	8	10	14	15	14	26
27	10	8	9	6	6	7	6	4	S.E.	4	4	3	3	3	27
28	7	8	7	7	6	6	8	8	N.W.	7	8	8	9	10	28
29	5	4	4	5	6	9	9	10	N.W.	11	12	14	14	15	29
30	13	11	14	12	10	13	14	14	N.W.	12	10	11	10	8	30
31	8	9	9	9	10	13	14	15	N.W.	16	20	20	21	12	31
Mean.	7.8	7.8	7.5	7.5	7.3	8.5	8.7	9.1		9.0	9.5	9.4	9.7	8.1	9.0

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1									
2	20	19	19	19	15	15	14	13	W.	13	11	14	15	16	1
3	11	12	13	15	14	14	13	14	W.	14	16	14	13	16	2
4	18	19	17	15	16	15	15	14	W.	15	14	15	13	16	3
5	4	4	4	5	7	2	2	6	E.	10	8	6	8	11	4
6	12	20	19	20	25	26	27	27	N.W.	25	20	20	22	6	5
7	20	24	15	15	14	14	15	16	W.	15	13	16	16	30	6
8	10	8	7	7	7	9	9	8	S.W.	13	12	10	10	15	7
9	12	7	13	8	5	10	12	11	S.W.	10	8	10	10	10	8
10	8	10	8	8	8	10	10	10	S.W.	10	10	12	11	10	9
11	11	12	13	12	12	12	11	10	W.	10	9	8	8	14	10
12	13	15	14	15	15	15	13	12	W.N.W.	12	10	9	8	9	11
13	6	8	8	8	8	7	6	6	N.W.	7	8	11	12	7	12
14	9	7	7	7	7	5	6	5	N.W.	4	6	6	6	12	13
15	5	4	4	4	4	4	4	4	S.	6	9	9	11	7	14
16	8	5	4	4	6	5	7	7	W.	6	6	6	7	10	15
17	6	7	7	7	8	7	7	5	N.W.	7	8	10	11	6	8
18	13	13	14	13	14	15	16	16	N.W.	15	16	14	12	12	17
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
22	6	6	12	7	7	8	10	9	W.N.W.	6	6	6	5	4	22
23	9	6	5	8	10	9	9	6	S.W.	8	8	7	5	6	23
24	10	11	13	12	13	13	12	10	W.	10	8	10	8	4	24
25	20	22	22	21	19	18	18	18	N.W.	17	17	17	18	11	25
26	8	10	9	9	8	7	10	10	W.N.W.	9	10	11	9	15	26
27	11	11	11	12	12	12	12	13	N.W.	14	14	14	13	10	27
28	13	13	12	13	10	10	10	10	N.	10	12	15	16	14	28
29	9	10	12	13	12	8	10	12	N.W.	12	10	11	11	15	29
Mean.	10.9	11.2	11.3	11.1	11.2	10.9	11.1	10.9		11.0	10.7	11.3	11.3	11.6	11.5

WIND VELOCITY—*continued.*

JANUARY, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	m.p.h.	m.p.h.	m.p.h.	miles.	m.p.h.	m.p.h.	m.p.h.	1							
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14
15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
16	N.W.	13	15	12	9	10	5	N.W.	7	7	8	270	11.3	15	5
17	W.	6	6	4	5	4	8	W.S.W.	6	7	5	187	7.8	13	4
18	W.N.W.	7	10	4	4	5	5	W.S.W.	6	7	8	135	5.6	10	4
19	S.	15	25	28	27	25	24	S.	20	16	14	327	13.6	28	4
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
21	N.N.W.	10	10	12	13	9	13	N.N.W.	10	9	16	231	9.6	16	6
22	N.N.E.	5	4	9	7	8	10	N.	5	6	8	215	9.0	14	4
23	N.W.	12	12	13	13	12	10	W.	10	7	6	235	9.8	13	4
24	N.W.	2	2	2	2	2	2	S.E.	2	3	3	82	3.4	7	2
25	S.E.	5	5	4	4	3	3	S.E.	3	6	4	99	4.1	6	2
26	S.E.	13	12	12	13	13	12	S.E.	10	9	10	237	9.9	15	5
27	N.W.	3	3	4	5	5	6	N.W.	5	6	6	126	5.3	10	3
28	N.W.	8	10	10	11	9	9	N.W.	9	10	11	205	8.5	11	6
29	N.W.	16	16	18	20	23	21	N.W.	17	14	16	311	13.0	23	4
30	W.	9	9	8	8	9	7	W.	10	9	9	247	10.2	14	7
31	N.W.	10	8	8	11	11	12	N.W.	10	10	11	290	12.1	21	8
Mean.		8.9	9.8	9.9	10.1	9.9	9.8		8.7	8.4	9.1	213.1	8.9	14.4	4.5

FEBRUARY, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	m.p.h.	m.p.h.	m.p.h.	miles.	m.p.h.	m.p.h.	m.p.h.	1							
2	W.N.W.	15	18	15	18	19	18	N.W.	17	15	15	384	6.0	20	11
3	W.	15	18	18	16	19	18	W.	17	15	15	360	15.0	19	11
4	W.	17	17	17	18	17	18	W.	16	16	14	384	16.0	19	13
5	E.	8	7	7	5	5	4	N.	4	4	4	139	5.8	11	2
6	W.N.W.	4	6	5	6	4	11	W.	9	11	11	353	14.7	27	4
7	W.	30	24	20	23	24	26	W.	27	28	28	510	21.3	30	13
8	S.W.	14	15	16	12	10	11	S.W.	10	7	8	251	10.5	16	7
9	S.W.	9	10	9	7	6	7	S.W.	8	11	9	219	9.1	12	5
10	W.S.W.	12	10	8	10	8	10	W.S.W.	13	9	6	220	9.5	13	6
11	W.N.W.	10	12	10	9	10	9	W.N.W.	9	9	10	253	10.5	14	8
12	W.N.W.	11	11	10	9	9	10	N.W.	11	12	13	276	11.5	15	8
13	N.W.	8	8	6	6	5	6	N.W.	6	6	6	175	7.3	12	5
14	N.W.	13	14	14	11	12	13	N.W.	12	10	11	223	9.3	14	13
15	S.S.W.	6	6	4	5	4	4	S.S.W.	4	4	4	125	5.2	11	4
16	W.N.W.	10	13	10	7	7	5	N.W.	4	4	5	162	6.8	13	4
17	N.W.	7	7	8	7	6	6	N.W.	6	6	6	172	7.2	11	5
18	W.N.W.	11	13	12	10	10	12	W.N.W.	10	10	11	308	12.8	16	10
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
22	W.S.W.	5	5	6	5	4	4	S.	5	9	6	155	6.5	12	4
23	W.S.W.	4	4	15	19	20	17	W.	16	14	11	234	9.7	20	4
24	W.N.W.	8	10	7	5	6	6	N.W.	7	7	9	216	9.0	13	4
25	N.W.	12	11	13	13	14	15	N.N.W.	18	18	16	397	16.5	22	11
26	W.	13	12	10	9	8	10	W.	10	9	9	236	9.8	15	7
27	N.W.	8	10	11	11	12	12	N.N.W.	12	12	11	280	11.7	14	8
28	N.N.E.	13	13	13	13	14	14	W.N.W.	14	15	14	309	12.9	16	10
29	W.N.W.	17	16	26	23	16	14	W.N.W.	15	13	11	322	13.4	26	8
Mean.		11.2	11.6	11.6	11.1	10.7	11.2	11.2	11.1	10.4	10.7	266.9	11.1	16.4	7.0

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.											
1	11	9	12	10	9	10	11	10	W.S.W.	9	10	9	14	15	1	
2	11	12	12	12	13	13	13	14	W.S.W.	12	11	11	11	11	2	
3	9	9	9	10	11	14	14	13	N.W.	14	15	16	18	20	3	
4	7	9	9	6	6	7	5	5	W.	5	6	5	6	4	4	
5	4	4	4	4	4	4	4	6	N.W.	6	5	9	9	8	5	
6	6	7	7	6	7	7	8	6	S.W.	7	5	7	10	6	6	
7	10	12	12	13	12	11	11	12	N.W.	11	12	12	14	16	7	
8	6	6	6	5	4	4	4	4	S.	7	7	8	10	12	8	
9	8	5	8	7	9	13	13	13	S.W.	13	10	10	10	11	9	
10	4	5	5	5	7	9	10	12	N.W.	13	12	9	12	12	10	
11	9	9	6	8	8	7	7	7	N.N.W.	7	9	9	10	12	11	
12	15	15	15	16	16	16	15	15	W.S.W.	15	16	15	16	15	12	
13	11	11	12	9	9	8	9	7	N.W.	9	12	15	12	12	13	
14	11	13	11	14	12	13	12	13	N.W.	13	12	11	10	13	14	
15	7	9	10	6	7	8	6	6	W.S.W.	6	6	5	6	5	15	
16	8	10	9	13	13	13	14	15	N.W.	15	17	17	17	18	16	
17	12	12	12	13	12	15	13	13	W.	16	14	14	14	15	17	
18	12	13	14	15	14	14	15	13	W.N.W.	14	13	13	12	13	18	
19	18	17	17	17	14	14	15	13	W.	14	14	16	14	15	19	
20	13	6	13	13	13	14	13	13	W.N.W.	14	13	14	16	15	20	
21	18	20	21	22	22	22	22	23	W.	13	13	14	15	15	21	
22	13	14	15	12	10	10	9	14	S.W.	8	8	12	12	12	22	
23	15	15	15	14	15	14	15	14	W.	16	12	13	15	15	23	
24	14	15	15	15	16	15	15	18	W.	19	24	25	26	18	24	
25	8	15	16	10	10	14	12	10	W.S.W.	12	12	12	12	14	25	
26	4	4	4	4	4	4	4	4	N.N.W.	2	7	4	10	7	26	
27	7	6	7	8	6	6	7	8	N.	9	9	11	12	10	27	
28	6	9	9	9	9	9	11	13	N.W.	13	14	13	12	9	28	
29	13	15	15	15	15	14	15	14	N.W.	16	17	17	18	18	29	
30	14	13	13	13	13	10	10	10	W.	9	9	9	8	8	30	
31	11	14	15	16	16	16	16	16	N.N.W.	16	18	18	18	17	31	
Mean.	10.2	10.7	11.2	11.0	10.8	11.2	11.4	11.0		11.4	11.7	12.0	12.6	12.4	12.7	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.											
1	11	12	8	11	12	13	12	13	W.	13	10	10	11	11	1	
2	13	13	13	14	13	14	13	14	N.W.	16	17	16	14	12	2	
3	7	4	6	7	7	7	4	4	N.W.	5	8	6	7	8	3	
4	4	4	4	4	4	4	4	4	S.	4	3	3	4	4	4	
5	3	3	4	8	10	8	9	9	N.	8	11	11	11	11	5	
6	12	3	3	3	3	3	3	3	N.N.E.	5	4	5	5	7	6	
7	3	3	3	3	3	3	3	3	S.S.W.	3	6	4	12	12	7	
8	4	3	3	3	3	5	6	7	W.	8	12	11	13	14	8	
9	8	10	10	16	16	17	17	17	W.	18	20	20	8	8	9	
10	3	3	3	3	3	3	3	3	W.	3	2	2	2	4	10	
11	14	18	19	19	19	20	20	20	N.W.	20	22	23	21	8	11	
12	16	12	10	10	16	19	17	20	N.W.	20	21	30	36	32	12	
13	6	7	10	10	15	9	10	13	W.S.W.	12	15	14	11	11	13	
14	19	18	21	22	19	21	19	20	W.	20	23	20	20	17	14	
15	14	16	14	15	16	14	14	14	W.	10	12	12	13	14	15	
16	6	6	9	6	7	9	7	11	W.N.W.	11	12	16	17	15	16	
17	12	11	13	14	10	11	11	12	W.	10	11	13	12	12	17	
18	12	13	14	4	13	15	16	16	N.W.	17	20	20	19	21	18	
19	15	14	12	12	13	14	14	13	N.W.	13	16	18	18	17	19	
20	22	22	21	21	22	20	17	16	N.W.	13	14	18	20	5	20	
21	16	20	18	21	22	23	18	17	W.	16	13	17	14	13	21	
22	5	4	6	16	15	15	15	14	W.	10	14	14	13	15	22	
23	11	11	9	10	11	14	14	15	W.S.W.	12	5	8	7	6	23	
24	16	16	15	15	16	16	17	20	N.N.W.	21	23	23	22	20	24	
25	2	2	2	2	4	3	6	3	S.W.	6	6	15	16	15	25	
26	8	4	4	3	7	5	5	11	N.W.	12	14	16	19	21	21	
27	7	8	7	8	9	9	11	11	S.S.W.	15	15	15	16	15	27	
28	4	3	9	11	13	16	17	18	N.N.W.	18	20	22	23	21	28	
29	14	15	16	13	12	10	7	9	S.W.	10	7	7	5	3	29	
30	8	8	10	10	9	7	9	6	W.S.W.	6	6	4	2	5	30	
Mean.	9.8	9.5	9.8	10.6	11.4	11.5	11.4	11.9		11.8	12.6	13.7	14.5	12.7	12.5	Mean.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## WIND VELOCITY—continued.

MARCH, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	W. 11	m.p.h. 11	m.p.h. 11	m.p.h. 12	m.p.h. 14	m.p.h. 12	W. 11	m.p.h. 12	m.p.h. 12	m.p.h. 11	265 miles.	11.0	15	9	1
2	W. 11	10	9	8	7	7	W. 7	7	7	8	248	10.3	14	7	2
3	N.N.W. 21	22	20	19	18	15	N.N.W. 10	7	7	7	336	14.0	22	7	3
4	W. 4	2	2	2	0	0	W. 1	3	4	4	108	4.5	9	0	4
5	N.W. 10	10	11	12	9	8	W.S.W. 6	5	5	4	160	6.7	12	4	5
6	S.W. 10	9	8	8	8	6	S.W. 7	8	10	9	178	7.4	10	5	6
7	N.W. 14	12	9	9	7	8	N.W. 7	9	7	6	261	10.9	16	6	7
8	S. 12	14	12	10	10	13	S.W. 9	11	10	8	206	8.6	14	4	8
9	S.W. 9	11	12	11	9	10	S.W. 9	8	7	4	233	9.7	13	4	9
10	N.W. 12	13	11	12	9	9	N.W. 9	9	9	8	228	9.9	13	4	10
11	N.N.W. 12	12	10	4	4	6	N. 4	4	12	16	200	8.3	16	4	11
12	W.S.W. 16	18	17	15	10	14	W. 14	15	10	10	352	14.7	18	10	12
13	N.N.W. 12	12	12	10	11	12	N. 9	9	11	9	256	10.7	15	7	13
14	W.N.W. 9	10	10	9	10	10	N.W. 9	9	9	10	263	10.9	14	9	14
15	S.W. 6	6	6	6	7	4	W.S.W. 6	7	5	5	151	6.3	10	4	15
16	N.W. 17	17	17	15	13	13	S.W. 12	12	11	12	335	14.0	18	8	16
17	W.N.W. 17	17	17	17	12	12	W.N.W. 12	12	13	11	331	13.8	17	11	17
18	W.N.W. 15	14	15	15	14	14	N.W. 14	15	15	15	335	14.0	15	12	18
19	W. 14	15	14	14	11	11	W. 12	12	12	11	338	14.1	18	11	19
20	N.W. 12	13	13	13	14	14	N.W. 15	15	14	18	325	13.5	18	6	20
21	W.S.W. 15	16	17	15	15	16	W.S.W. 14	12	12	10	387	16.1	22	10	21
22	W. 14	14	14	14	13	15	W. 14	14	15	15	303	12.6	15	8	22
23	W. 15	15	16	16	17	17	W. 15	15	16	16	361	15.0	17	12	23
24	W.S.W. 18	19	17	17	16	16	S.W. 17	17	16	17	424	17.7	26	14	24
25	W.S.W. 13	12	10	8	7	5	W.S.W. 5	6	4	4	244	10.1	16	4	25
26	N. 8	6	8	6	6	6	N.N.W. 6	6	6	6	133	5.5	10	2	26
27	N.W. 8	7	7	7	6	8	N.W. 7	5	5	5	183	7.6	12	5	27
28	W.N.W. 9	10	8	9	8	10	W. 11	12	13	14	249	10.4	14	6	28
29	N.W. 20	20	14	15	12	13	W.S.W. 14	14	13	14	371	15.5	20	12	29
30	N.W. 9	8	7	7	7	7	N. 8	9	8	10	225	9.4	14	6	30
31	N.W. 13	8	9	9	9	10	N.W. 10	9	10	10	322	13.4	18	8	31
Mean.	12.4	12.4	11.8	11.1	10.2	10.3	9.8	9.9	10.0	9.9	267.4	11.2	15.5	7.1	Mean.

APRIL, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	W.N.W. 10	10	12	12	12	11	W.N.W. 11	12	12	12	273 miles.	11.4	13	8	1
2	N.W. 12	12	11	10	10	10	N.W. 9	9	9	8	300	12.5	18	8	2
3	N.W. 6	7	6	7	7	8	N.W. 6	4	5	5	150	6.3	9	4	3
4	E.N.E. 5	4	4	5	5	7	E.N.E. 4	8	7	7	110	4.6	8	3	4
5	N. 11	11	13	13	15	13	N. 11	12	10	10	236	9.8	15	3	5
6	N.N.E. 7	4	4	3	3	3	N. 3	3	3	3	102	4.2	12	3	6
7	S. 10	10	9	15	14	14	S. 12	10	5	4	176	7.3	15	3	7
8	W. 15	15	14	10	11	12	W.S.W. 10	10	10	8	220	9.2	15	3	8
9	W. 8	7	7	7	5	10	W. 4	3	3	3	262	10.9	20	3	9
10	N.W. 7	8	8	9	13	13	N.W. 13	13	14	14	155	6.5	14	2	10
11	W.N.W. 8	8	9	10	10	12	N.W. 14	15	18	18	372	15.5	23	7	11
12	W. 20	15	16	14	12	12	S.W. 13	10	10	6	413	17.2	36	6	12
13	W. 10	12	12	15	15	17	N.W. 17	17	18	19	306	12.7	19	6	13
14	W.S.W. 17	17	17	16	12	11	W. 12	10	13	14	416	17.3	23	10	14
15	S.W. 10	10	10	10	11	11	W.S.W. 12	12	12	10	296	12.3	16	10	15
16	W.N.W. 14	14	13	13	11	12	W.N.W. 13	13	14	13	276	11.5	17	6	16
17	W.N.W. 12	12	12	12	13	13	W.N.W. 13	10	9	12	282	11.7	14	9	17
18	N.N.W. 22	22	18	17	17	17	N.W. 18	12	13	15	391	16.3	22	4	18
19	N.W. 20	20	19	20	20	20	N.W. 20	20	22	22	408	17.0	22	12	19
20	W.N.W. 10	8	8	9	10	8	W.N.W. 8	7	10	15	328	13.7	22	5	20
21	W. 14	15	12	10	10	10	W.N.W. 8	8	8	7	347	14.5	23	7	21
22	W.N.W. 18	19	15	14	15	15	N.W. 14	15	10	8	319	13.3	20	4	22
23	S.W. 6	8	9	8	10	9	W. 11	11	12	13	237	9.9	15	5	23
24	N.W. 18	20	14	12	9	8	W. 8	6	4	4	366	15.2	23	4	24
25	S. 16	17	16	15	15	13	S.W. 12	12	10	11	234	9.7	17	2	25
26	N.N.W. 20	12	10	8	9	9	W. 8	9	10	10	256	10.7	22	3	26
27	S.W. 17	15	11	14	9	5	S.W. 5	2	2	2	245	10.2	17	2	27
28	W. 13	9	12	13	14	15	S.S.W. 16	16	15	14	349	14.5	23	3	28
29	W.S.W. 4	5	5	5	9	10	W. 11	12	8	6	210	9.7	16	3	29
30	S.W. 8	10	12	13	13	13	S.W. 8	8	8	6	195	8.1	13	2	30
Mean.	12.3	11.9	11.3	11.3	11.3	11.4	10.8	10.3	10.1	10.0	274.3	11.4	18.1	5.0	Mean.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table V.—WIND DIRECTION

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.										
1	7	7	8	8	9	6	7	W.	8	12	9	15	18	1	2
2	16	15	16	16	18	17	16	W.	18	10	17	12	15	15	2
3	18	18	18	18	14	14	14	N.W.	14	17	18	18	19	19	3
4	23	24	20	26	26	20	18	W.S.W.	17	14	13	13	15	16	4
5	20	21	18	13	12	13	12	W.	12	10	8	10	15	14	5
6	12	12	9	10	11	12	13	N.W.	13	12	14	14	15	14	6
7	9	9	9	9	11	11	12	W.N.W.	12	10	10	10	13	14	7
8	4	5	4	4	4	4	4	W.S.W.	7	8	5	2	7	4	8
9	7	10	12	12	11	10	10	N.W.	12	13	12	10	10	9	9
10	8	7	6	7	7	7	9	W.N.W.	9	10	12	11	11	11	10
11	10	11	9	10	10	9	9	N.W.	9	11	11	13	12	9	11
12	13	14	14	15	16	19	20	N.W.	20	22	19	20	9	11	13
13	9	7	9	7	9	9	9	N.W.	10	10	13	11	12	11	14
14	11	9	8	7	7	4	4	N.W.	4	9	9	9	12	11	14
15	18	18	18	18	18	18	18	N.N.W.	18	22	20	18	16	16	15
16	4	8	20	21	20	18	20	N.N.W.	22	23	27	24	20	16	16
17	15	18	17	18	18	17	17	W.	17	16	15	17	18	18	17
18	15	15	15	18	17	20	23	N.	24	24	23	20	23	18	18
19	17	20	19	19	20	22	24	W.	18	17	16	14	16	12	19
20	17	19	20	20	23	24	24	N.N.W.	26	30	30	30	30	30	20
21	10	10	8	10	9	9	10	W.	11	7	10	10	9	10	21
22	6	7	7	4	3	4	0	S.W.	8	7	7	11	13	14	22
23	23	23	22	20	20	18	18	N.W.	17	16	15	15	12	11	23
24	23	22	22	22	20	20	20	N.W.	24	25	25	26	25	27	24
25	25	25	25	26	26	23	24	W.S.W.	26	15	16	16	12	12	25
26	10	11	15	15	15	13	15	N.W.	19	22	22	22	18	17	26
27	18	18	17	16	17	17	17	N.W.	17	15	16	17	17	17	27
28	3	3	3	3	4	3	4	W.N.W.	8	10	10	11	11	9	28
29	2	2	5	2	2	2	2	W.	4	4	4	2	7	5	29
30	10	10	12	14	7	4	7	W.N.W.	13	10	10	13	9	9	30
31	12	11	11	9	9	7	6	N.	2	3	2	2	2	2	31
Mean.	12.7	13.2	13.4	13.4	13.5	13.1	13.2	13.7	14.2	14.0	14.3	14.0	14.0	13.8	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.										
1	1	1	1	1	1	1	1	W.N.W.	2	2	2	2	2	2	1
2	2	1	0	2	0	0	2	W.N.W.	4	6	7	9	11	10	2
3	8	7	6	7	5	8	9	W.S.W.	10	10	10	10	10	12	3
4	8	8	8	8	10	12	12	S.W.	10	8	9	9	7	8	4
5	8	10	9	11	13	14	14	W.	12	12	12	12	15	13	5
6	4	1	0	0	0	1	3	N.W.	8	11	14	15	14	14	6
7	20	20	20	20	22	22	23	N.W.	25	24	23	20	15	15	7
8	8	8	12	11	12	13	15	W.N.W.	19	15	15	14	15	16	8
9	15	16	16	16	14	15	15	W.	15	15	15	14	15	16	9
10	15	14	14	15	16	17	17	W.N.W.	17	19	19	19	16	16	10
11	17	18	7	15	19	21	19	S.	15	11	9	9	7	11	11
12	14	13	13	14	15	13	13	W.	14	12	11	11	10	10	12
13	15	16	14	15	16	16	15	W.N.W.	17	20	20	22	22	24	13
14	19	18	18	17	17	16	16	W.N.W.	13	15	15	15	14	13	14
15	13	13	13	12	11	11	11	N.W.	13	13	12	10	10	9	15
16	9	11	8	7	6	6	5	S.W.	4	5	10	10	9	8	16
17	3	4	6	2	2	4	3	E.N.E.	10	13	12	12	13	13	17
18	12	16	20	23	25	26	28	S.S.E.	30	28	28	28	25	21	18
19	8	11	14	16	17	18	19	W.N.W.	20	21	21	21	21	22	19
20	12	11	11	10	11	12	14	W.	15	16	17	14	15	13	20
21	9	10	10	11	11	12	14	W.S.W.	13	10	7	10	11	12	21
22	3	10	8	4	10	11	12	W.	13	18	20	21	12	13	22
23	23	23	22	23	24	24	25	W.	13	32	34	34	27	26	23
24	18	29	22	22	23	27	25	W.N.W.	29	33	33	33	30	32	24
25	21	20	20	23	24	25	26	W.	26	26	25	25	25	26	23
26	17	17	17	17	17	17	17	W.	19	18	17	18	17	17	26
27	21	18	18	18	18	18	18	S.S.W.	14	12	12	11	9	8	27
28	19	20	22	25	26	26	25	W.	19	20	20	20	24	24	28
29	14	15	10	10	9	9	9	W.	17	15	14	16	15	16	29
30	16	16	17	16	14	15	14	W.	15	15	17	17	9	9	30
Mean.	12.4	12.8	12.3	13.0	13.5	14.2	14.3	15.1	15.6	15.8	16.0	15.9	14.8	14.7	Mean.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## WIND VELOCITY—continued:

MAY, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maxi-mum.	Mini-mum.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	miles.	m.p.h.	m.p.h.	m.p.h.	1
2	W.S.W. 17	18	16	16	17	17	W. 17	17	17	16	301	12.5	18	6	2
3	W.S.W. 14	14	15	16	11	12	W. 13	13	19	18	362	15.1	19	10	3
4	N.W. 20	19	19	21	22	21	N.N.W. 22	21	23	27	451	18.8	27	14	4
5	W.S.W. 13	11	11	15	13	13	W. 16	16	15	16	410	17.1	26	11	5
6	W.N.W. 11	9	12	13	14	15	N.W. 15	13	13	14	322	13.4	21	8	6
7	N.W. 13	13	13	17	16	15	N.W. 13	10	10	10	304	12.7	17	9	7
8	W.N.W. 15	15	12	7	8	6	W.N.W. 2	2	3	3	224	9.3	15	2	8
9	W.N.W. 5	6	5	1	3	5	W.N.W. 4	4	9	9	119	5.0	9	1	9
10	S.W. 2	2	2	2	2	2	W. 4	7	7	6	189	7.9	13	2	10
11	N.W. 11	11	9	8	9	11	N.W. 11	9	9	9	222	9.2	12	6	11
12	N.W. 9	13	11	11	12	12	N.W. 11	12	14	13	264	11.0	14	9	12
13	W. 9	7	4	4	5	5	W. 4	6	5	5	283	11.8	22	4	12
14	N.N.W. 9	12	10	13	13	13	N.N.W. 10	11	11	9	248	10.3	13	7	13
15	N.W. 11	12	13	14	14	14	N.W. 15	15	16	17	249	10.4	17	4	14
16	N.W. 15	14	12	10	9	9	W.N.W. 6	8	9	7	353	14.7	22	6	15
17	N.N.W. 17	13	17	15	13	11	W. 14	16	15	15	411	17.1	27	4	16
18	N.W. 18	18	19	19	20	19	N.W. 17	17	17	19	422	17.6	20	15	17
19	N.N.W. 23	24	23	22	22	21	W.N.W. 20	20	19	32	508	21.1	32	15	18
20	W.N.W. 14	14	12	17	17	16	W.N.W. 17	17	18	17	415	17.3	24	12	19
21	N.N.W. 30	30	27	24	23	22	W.N.W. 15	18	12	11	560	23.3	30	11	20
22	S.W. 9	3	8	1	2	4	S.W. 2	5	3	5	176	7.3	11	1	21
23	W.N.W. 15	16	19	21	22	23	N.W. 23	23	23	25	301	12.5	25	0	22
24	W.N.W. 14	14	15	17	19	20	N.W. 21	21	20	20	431	18.0	23	11	23
25	N.W. 26	26	25	25	24	25	W.N.W. 10	8	8	10	513	21.4	27	8	24
26	W.S.W. 12	9	5	6	4	3	W. 3	7	7	9	361	15.0	26	3	25
27	N.W. 17	17	17	17	16	13	N.W. 7	7	4	13	360	15.0	22	4	26
28	W.N.W. 17	17	18	18	18	18	N.W. 18	16	9	0	385	16.0	18	0	27
29	W. 8	7	4	2	3	5	W. 5	7	6	2	138	5.8	11	2	28
30	W.N.W. 7	9	5	7	9	9	N.W. 10	10	10	7	128	5.3	10	2	29
31	N. 10	11	11	11	12	N.	N. 12	12	12	13	254	10.6	14	4	30
Mean.	13.3	13.1	12.6	12.6	12.6	12.6	11.6	11.9	11.8	12.2	314.9	13.1	19.2	6.2	Mean.

JUNE, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maxi-mum.	Mini-mum.	Daily Total Cup Anemo-meter.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	miles.	m.p.h.	m.p.h.	m.p.h.	miles.	1
2	W.N.W. 4	1	2	3	3	2	W.N.W. 2	1	2	5	45	2.0	5	1	45	2
3	N.W. 10	12	11	11	7	6	N.W. 6	7	1	4	129	5.4	12	0	18	3
4	W.S.W. 13	11	10	13	8	7	S.W. 15	10	8	9	220	9.2	15	5	28	4
5	S.W. 9	8	7	6	5	4	W. 3	2	5	6	183	7.6	12	2	40	5
6	W.S.W. 9	5	6	9	10	5	S. 10	11	9	7	249	10.4	15	5	26	6
7	N.W. 14	15	10	8	9	12	N.W. 13	13	17	18	217	9.0	18	0	24	7
8	W. 15	14	15	8	5	5	S.W. 6	9	8	10	388	16.2	25	5	38	8
9	W. 16	17	16	17	17	16	W. 16	16	16	16	352	14.7	19	8	29	9
10	W.N.W. 17	18	17	19	18	21	N.W. 15	16	16	15	366	15.2	17	14	30	10
11	S.W. 5	4	4	3	0	6	W.S.W. 8	9	10	11	249	10.4	21	0	33	11
12	W. 11	12	11	13	13	13	W. 14	15	13	14	306	12.7	15	10	24	12
13	N.W. 23	25	25	24	22	21	N.W. 21	10	9	9	437	18.2	25	9	36	13
14	W.N.W. 14	12	12	13	11	12	N.W. 12	11	12	12	341	14.2	19	11	24	14
15	N.W. 9	9	9	10	9	9	N. 8	10	10	9	256	10.7	13	8	29	15
16	W.S.W. 6	5	0	5	0	0	W. 5	4	5	5	138	5.8	11	0	23	16
17	N.E. 4	6	5	3	5	4	N.E. 2	0	0	10	141	5.9	13	0	31	17
18	S.S.E. 17	16	9	10	7	5	S.S.E. 4	3	7	8	426	17.7	30	3	40	18
19	W.N.W. 22	14	14	13	10	9	W.S.W. 7	6	14	13	376	15.7	22	6	30	19
20	W. 8	8	8	10	9	9	W.S.W. 9	10	8	11	263	11.0	17	8	24	20
21	S.W. 16	10	11	14	15	11	S.W. 11	13	12	8	274	11.4	16	7	31	21
22	W.N.W. 13	14	11	9	9	9	N.W. 11	12	11	13	279	11.6	21	3	32	22
23	W.N.W. 25	18	15	15	16	16	W. 17	19	15	20	550	23.0	34	15	44	23
24	N.W. 32	31	30	32	28	23	W. 9	21	19	20	618	25.7	33	9	49	24
25	W. 27	24	24	22	22	20	W. 22	22	17	17	554	23.1	27	17	42	25
26	W. 15	14	14	17	19	21	W.N.W. 21	22	23	24	433	18.0	24	14	33	26
27	S.W. 12	12	11	10	10	11	W.S.W. 12	13	14	18	328	13.7	21	8	36	27
28	W.N.W. 25	25	26	18	15	16	S.S.W. 17	16	16	17	503	20.9	26	15	48	28
29	W.N.W. 15	16	16	16	15	15	W.N.W. 16	16	16	16	344	14.3	17	9	36	29
30	W.N.W. 9	9	9	10	10	10	N.W. 9	7	6	5	288	12.6	17	5	32	30
Mean.	14.4	13.4	12.4	12.4	11.6	11.1	11.3	11.5	11.3	12.2	322.4	13.4	19.4	7.1	33	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	I									
2	13	14	12	14	15	16	17	W.S.W.	15	14	15	15	15	11	2
3	11	15	13	13	13	14	14	W.	13	12	15	12	12	11	3
4	4	3	2	5	5	4	2	N.W.	6	5	7	7	6	7	4
5	16	15	17	17	15	17	11	N.W.	15	14	18	15	15	15	5
6	13	14	15	13	13	14	14	W.	18	20	18	20	20	23	6
7	13	13	14	12	14	12	10	W.	12	14	11	13	13	15	7
8	5	8	0	0	4	6	10	W.	10	11	13	12	15	12	8
9	19	19	19	17	18	16	18	S.	9	8	6	5	5	9	9
10	11	11	16	13	18	17	16	W.	19	19	18	18	18	17	10
11	15	13	16	16	15	18	19	N.W.	18	15	17	20	18	18	11
12	21	19	21	22	19	20	25	N.	19	17	20	19	20	16	12
13	15	16	13	11	9	4	7	S.	4	7	8	9	11	9	13
14	12	10	11	8	13	9	12	S.W.	8	8	8	7	7	10	14
15	13	14	14	13	12	14	12	W.	11	11	12	13	15	13	15
16	15	15	15	16	17	19	19	W.N.W.	18	15	16	16	16	15	16
17	3	3	3	3	3	3	3	W.N.W.	3	7	9	9	10	9	17
18	3	7	5	6	10	11	11	N.W.	15	13	15	15	15	17	18
19	13	14	13	11	11	13	15	N.W.	17	16	19	18	20	17	19
20	6	12	15	16	18	19	17	W.	15	12	14	16	14	14	20
21	17	18	17	18	17	12	11	W.	9	9	9	11	10	12	21
22	16	18	4	4	9	12	11	N.W.	14	17	19	17	16	15	22
23	13	13	14	13	14	16	14	N.W.	16	15	19	17	18	17	23
24	15	15	14	15	15	14	15	N.W.	15	15	14	13	12	12	24
25	12	11	13	14	15	15	15	N.W.	15	13	13	14	13	8	25
26	0	0	1	1	1	1	1	N.W.	2	0	0	1	8	8	26
27	10	4	8	6	6	12	12	W.N.W.	13	12	11	18	14	15	27
28	15	14	14	13	12	12	18	W.S.W.	25	24	21	19	19	22	28
29	24	22	23	24	22	24	24	W.	24	24	23	21	23	20	29
30	17	16	17	20	19	20	23	W.N.W.	29	28	26	23	24	22	30
31	19	19	20	18	17	16	13	W.	12	20	20	19	19	18	31
Mean.	12.7	12.5	12.2	12.1	12.7	13.1	13.4	13.3	13.9	13.8	14.6	14.5	14.8	14.4	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	I									
2	26	25	27	28	30	32	25	W.	15	14	16	15	20	21	1
3	22	24	23	24	14	13	15	S.S.W.	22	20	20	14	30	18	2
4	7	7	10	6	3	5	11	W.	10	13	13	17	18	17	3
5	17	15	15	13	15	17	19	W.N.W.	22	23	25	26	27	24	4
6	20	18	22	24	25	24	26	W.S.W.	16	16	17	16	14	14	5
7	16	17	14	17	17	16	17	N.W.	15	15	16	26	25	25	6
8	20	19	17	13	16	19	19	N.N.W.	16	22	20	26	18	13	7
9	13	14	11	12	12	9	3	C.	0	0	0	0	0	0	9
10	16	13	12	16	12	11	12	S.W.	9	7	12	3	4	4	10
11	6	2	7	6	11	9	8	W.S.W.	7	13	12	11	14	12	11
12	21	22	25	25	24	24	25	N.W.	25	26	26	26	29	29	12
13	21	23	23	21	19	20	18	N.W.	19	22	21	21	21	21	13
14	19	19	15	13	16	18	9	W.S.W.	13	7	5	9	13	13	14
15	25	25	20	18	17	15	17	S.S.W.	14	18	19	20	13	14	15
16	18	22	21	25	22	24	22	N.W.	23	21	21	21	22	22	16
17	13	6	12	2	9	11	10	W.N.W.	12	7	9	2	2	2	17
18	3	4	2	8	8	7	5	E.S.E.	3	2	1	1	1	1	18
19	14	12	14	15	16	14	18	N.W.	22	24	23	24	24	25	19
20	12	11	16	14	14	15	17	W.N.W.	20	31	22	24	25	26	20
21	17	21	20	21	21	22	21	W.S.W.	22	20	22	20	13	21	21
22	21	21	19	18	19	18	15	W.N.W.	17	16	16	16	17	14	22
23	20	21	20	22	19	18	18	N.W.	20	20	21	20	22	22	23
24	27	26	30	31	28	27	26	W.N.W.	24	21	18	15	14	13	24
25	16	14	15	12	18	13	14	N.	16	16	14	9	14	14	25
26	19	23	22	18	31	25	24	N.N.W.	24	24	27	29	31	26	26
27	21	23	25	19	17	17	18	N.W.	26	19	17	16	19	19	27
28	12	14	10	6	3	3	3	N.N.E.	1	1	14	14	14	13	28
29	5	7	8	10	6	8	10	N.N.E.	1	1	1	1	1	1	29
30	0	5	6	1	4	1	1	W.N.W.	9	10	12	14	13	14	30
31	4	6	7	2	7	3	7	W.S.W.	7	2	2	2	1	1	31
Mean.	16.0	16.4	16.4	15.6	15.8	15.6	15.2	14.6	15.2	15.3	15.6	15.5	15.9	15.6	Mean.

—WIND VELOCITY—*continued.*

JULY, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Maximum Gust.	Daily Total Cup Anemometer.	Date.
1	W. 15	15	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	W. 14	15	m.p.h.	351	14.6	17	12	26	707.34	1
2	W. 11	11	9	9	8	6	W.S.W. 7	7	7	3	259	10.8	15	3	19	622.93	2
3	N.W. 8	6	8	1	12	17	N.W. 18	14	16	15	183	7.6	18	1	22	350.87	3
4	N.W. 15	8	8	7	12	11	W.N.W. 18	13	14	13	331	13.8	18	7	24	513.99	4
5	W.N.W. 18	20	13	13	13	14	W.N.W. 18	18	12	13	380	15.8	23	12	37	632.55	5
6	W. 14	15	12	12	14	10	S.W. 10	12	10	8	294	9.8	15	8	30	765.44	6
7	W.N.W. 11	10	12	15	13	13	W.N.W. 12	13	9	6	236	9.8	15	6	22	537.10	7
8	S.E. 17	18	18	18	19	20	S.E. 20	18	18	19	321	13.4	20	1	26	513.81	8
9	W.S.W. 8	11	9	8	8	7	W.S.W. 4	7	10	8	261	10.9	19	4	27	562.80	9
10	W. 18	17	15	15	15	16	W. 14	17	15	17	388	16.2	19	11	29	348.99	10
11	N.W. 18	18	18	18	17	16	N.W. 17	21	21	19	417	17.4	21	13	29	598.60	11
12	N. 18	17	17	19	19	19	N.N.E. 18	20	19	17	459	19.1	25	16	35	689.90	12
13	S.E. 4	4	5	11	8	4	S.E. 4	4	11	11	193	8.0	16	4	22	565.48	13
14	W.S.W. 9	13	15	14	14	13	W. 13	13	13	15	263	11.0	15	7	24	279.38	14
15	W. 15	14	16	17	15	14	W.N.W. 16	15	17	15	332	13.8	17	11	24	451.44	15
16	W.S.W. 10	10	10	3	2	3	S. 6	2	3	3	282	11.7	19	2	26	617.12	16
17	W.N.W. 10	9	7	8	8	8	N.W. 4	4	7	3	139	5.8	10	3	12	284.63	17
18	N.W. 17	18	19	19	19	19	N.W. 18	18	17	16	336	14.0	19	3	26	324.85	18
19	N.W. 18	16	18	16	16	18	N.W. 19	19	20	8	380	15.6	20	8	30	656.62	19
20	W. 15	15	15	18	17	17	W.N.W. 15	16	16	17	365	15.2	19	6	28	754.89	20
21	W.S.W. 10	17	16	12	10	11	S.W. 17	3	2	17	290	12.1	18	2	26	711.89	21
22	N.W. 14	13	14	12	13	12	N.W. 11	12	12	11	308	12.8	19	4	25	433.40	22
23	N.N.W. 16	15	15	15	15	14	N.N.W. 15	13	13	14	359	15.0	19	13	22	663.12	23
24	N.W. 12	11	11	10	10	10	N.W. 11	10	11	9	302	12.6	15	9	19	760.84	24
25	W.N.W. 2	2	1	0	0	0	C. 0	0	0	0	190	7.9	15	0	18	617.48	25
26	N.W. 9	8	9	6	10	11	N.W. 9	7	8	10	111	4.6	11	0	14	265.94	26
27	W.N.W. 16	15	14	14	16	16	N.W. 18	17	19	23	323	13.5	23	4	29	240.72	27
28	W.S.W. 22	20	17	15	16	19	W. 19	20	22	23	446	18.6	25	12	46	580.52	28
29	W. 20	19	18	17	18	20	W.S.W. 16	17	18	19	504	21.0	24	16	40	642.78	29
30	W. 25	23	23	14	14	15	W.S.W. 16	16	15	19	492	20.5	29	14	38	605.45	30
31	W. 18	19	20	22	20	20	W.N.W. 23	23	26	25	461	19.2	26	12	43	595.64	31
Mean.		13.9	12.7	13.5	12.0	13.1		13.4	13.0	13.4	321	13.3	18.8	7.0	...	Mean.	

AUGUST, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Maximum Gust.	Daily Total Cup Anemometer.	Date.	
1	W. 24	24	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	W. 25	24	21	22	533	22.2	32	14	42	685.38	1
2	S. 23	23	24	18	16	15	S. 15	12	13	11	445	18.5	30	11	42	624.39	2	
3	W. 16	15	17	19	16	17	W.N.W. 18	19	18	17	321	13.4	19	3	26	386.41	3	
4	W.N.W. 24	25	26	23	26	27	W.N.W. 37	21	26	19	531	22.1	37	13	47	530.48	4	
5	N.W. 21	25	29	25	29	29	N.W. 32	30	15	17	520	21.7	32	14	43	772.66	5	
6	N.N.W. 26	25	23	23	25	24	N.N.W. 25	25	24	26	499	20.8	26	14	34	638.94	6	
7	N.N.W. 11	3	0	4	12	10	W. 13	12	16	19	356	14.8	26	0	44	704.83	7	
8	W.N.W. 21	15	20	21	14	16	W.S.W. 12	9	8	12	450	18.7	25	8	37	560.74	8	
9	S.E. 6	7	12	15	15	16	S.E. 16	17	18	17	216	9.0	18	0	25	466.18	9	
10	S.S.W. 10	9	8	8	6	3	S. 5	5	4	6	207	8.6	16	3	24	399.26	10	
11	W. 12	9	13	13	14	16	W.N.W. 14	16	15	20	260	10.8	20	0	25	233.30	11	
12	N.W. 25	25	26	24	24	23	N.W. 23	21	24	22	584	24.3	29	21	37	558.76	12	
13	N.W. 22	21	16	16	15	17	W.N.W. 19	19	24	23	481	20.0	24	15	31	778.33	13	
14	W.N.W. 18	17	14	15	15	19	N.W. 21	24	25	26	371	15.5	26	5	33	615.75	14	
15	W. 16	15	11	10	9	5	W. 1	12	13	16	358	14.9	25	1	34	557.50	15	
16	N.W. 24	25	20	18	15	13	N.W. 6	2	9	8	446	18.6	25	2	36	448.26	16	
17	E. 2	2	1	1	1	1	E. 1	3	6	7	133	5.5	13	1	18	383.00	17	
18	E. 1	1	1	0	7	11	W.N.W. 16	14	12	16	134	5.6	16	0	18	172.40	18	
19	N.W. 25	26	25	15	10	10	W.N.W. 11	11	12	11	441	18.4	26	10	36	286.94	19	
20	W.N.W. 28	24	24	18	20	17	W. 19	17	19	19	470	19.6	31	11	42	534.10	20	
21	W. 21	20	18	20	16	21	W. 19	23	21	19	480	20.0	23	13	40	592.19	21	
22	W.N.W. 17	21	16	18	21	24	N.W. 18	16	21	18	433	18.0	24	14	32	513.24	22	
23	N. 24	24	23	24	23	19	N. 22	21	22	25	509	21.2	25	18	36	458.27	23	
24	N.W. 15	12	13	13	14	18	N.N.W. 13	12	12	12	460	19.2	31	12	40	617.73	24	
25	N.W. 17	17	14	18	15	14	N.W. 16	16	19	21	368	15.3	21	9	28	334.68	25	
26	N.N.W. 26	27	32	26	30	30	N.N.W. 30	26	19	19	611	25.5	31	18	45	448.56	26	
27	W.N.W. 19	18	16	16	16	16	W. 14	15	13	11	426	17.7	26	11	34	649.65	27	
28	N.N.E. 10	0	0	0	0	0	C. 0	0	2	5	128	5.3	14	0	21	332.99	28	
29	C. 0	0	0	0	0	0	S. 5	4	0	0	70	2.9	10	0	20	208.49	29	
30	W. 12	10	12	11	1	5	W. 6	7	7	7	174	7.3	14	0	20	148.80	30	
31	W.S.W. 1	1	1	1	0	0	C. 0	0	1	1	59	2.5	7	0	16	236.45	31	
Mean.		16.7	15.7	15.3	15.0	14.5	14.8	15.2	14.6	14.8	15.1	370.1	15.4	23.3	7.8	...	Mean.	

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h. 1	m.p.h. 15	m.p.h. 12	m.p.h. 11	m.p.h. 14	m.p.h. 12	m.p.h. 14	m.p.h. 19	m.p.h. S.S.E. 20	m.p.h. 21	m.p.h. 18	m.p.h. 19	m.p.h. 19	m.p.h. 22	1
2	19	22	21	21	20	17	18	19	S.E. 18	18	16	15	19	15	2
3	6	3	8	8	5	7	8	6	E.S.E. 5	10	7	7	4	4	3
4	18	12	9	10	9	11	13	11	N.N.W. 10	13	16	16	16	16	4
5	11	16	11	13	17	22	21	17	N.W. 16	14	14	13	10	1	5
6	16	16	15	14	15	16	17	8	N.W. 16	17	13	14	13	10	6
7	0	0	4	4	0	2	2	0	C. 0	3	4	1	1	1	7
8	8	3	4	3	0	0	0	0	C. 0	3	7	3	2	1	8
9	12	13	13	16	16	16	16	16	W.N.W. 16	16	16	15	11	13	9
10	13	19	18	4	5	1	1	22	N. 21	7	15	10	18	20	10
11	25	24	21	24	17	13	17	18	W.N.W. 17	18	16	14	15	13	11
12	0	0	0	0	1	5	10	12	S.E. 12	13	8	9	12	9	12
13	12	12	17	18	13	16	15	18	W.N.W. 18	17	14	14	14	13	13
14	10	8	11	11	6	8	1	1	N. 1	12	17	18	18	15	14
15	0	0	12	0	6	6	8	11	N.N.E. 16	1	1	6	15	14	15
16	10	16	13	14	16	14	16	13	N.W. 14	14	12	14	19	20	16
17	1	1	1	9	4	1	2	6	E.S.E. 2	1	1	7	8	1	17
18	19	21	22	18	24	22	28	27	S. 26	25	26	25	32	29	18
19	15	15	11	6	14	10	12	13	W.S.W. 9	4	7	5	9	7	19
20	14	14	14	14	16	16	18	17	N.W. 17	17	19	19	1	1	20
21	9	9	12	14	11	10	12	10	S. 15	14	10	10	8	13	21
22	6	11	14	15	12	10	3	4	S. 2	1	5	4	6	6	22
23	1	10	1	1	1	2	2	2	N.W. 2	1	1	1	7	5	23
24	14	19	19	21	20	21	21	19	N. 25	20	19	18	18	18	24
25	19	21	22	16	17	17	14	8	S.W. 15	14	13	12	12	14	25
26	15	13	13	14	11	12	4	6	W.S.W. 8	12	10	13	14	14	26
27	12	0	0	1	1	7	12	12	S.E. 16	12	10	11	7	5	27
28	6	7	12	13	12	8	10	11	W.N.W. 11	13	13	14	12	11	28
29	0	10	14	12	12	17	17	19	N.W. 20	20	22	28	30	31	29
30	12	11	10	8	8	10	13	12	N.N.W. 16	16	24	21	21	31	30
Mean.	10.1	11.3	11.8	11.1	10.7	10.9	11.5	11.9	12.8	12.2	12.5	12.5	12.6	12.4	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h. 19	m.p.h. 17	m.p.h. 19	m.p.h. 23	m.p.h. 22	m.p.h. 30	m.p.h. 31	m.p.h. N.W. 33	m.p.h. 32	m.p.h. 31	m.p.h. 31	m.p.h. 31	m.p.h. 28	m.p.h. 27	1
2	16	17	17	15	17	12	16	12	W.N.W. 12	13	15	6	23	22	2
3	14	15	12	9	10	8	14	14	W.N.W. 12	11	14	10	9	8	3
4	5	10	6	12	8	8	11	12	W.N.W. 15	12	9	2	0	0	4
5	20	23	22	17	16	17	25	27	N.W. 31	25	20	21	26	27	5
6	21	19	18	15	17	16	16	4	W.N.W. 10	14	18	17	16	18	6
7	19	17	15	17	18	17	16	14	N.N.W. 18	18	19	21	16	18	6
8	20	17	16	14	13	20	1	1	E. 1	6	0	0	7	3	7
9	9	6	11	18	14	14	14	16	W. 15	16	22	21	20	18	9
10	28	24	21	18	18	16	17	15	N.W. 13	14	15	21	20	18	9
11	10	15	16	19	22	24	20	14	N. 14	14	14	14	27	26	10
12	16	22	20	18	17	19	17	18	W. 14	12	16	10	19	20	11
13	7	9	12	12	15	11	16	12	W.S.W. 16	13	12	14	10	14	12
14	15	17	18	16	22	21	23	23	W.S.W. 23	23	20	22	13	13	14
15	19	23	19	18	15	14	17	17	S.W. 17	18	20	21	19	22	14
16	18	18	11	13	13	15	14	15	W. 14	14	14	16	19	22	15
17	24	23	23	22	20	23	20	19	N.W. 24	23	25	28	27	30	16
18	27	29	28	28	25	28	28	27	N.N.W. 28	27	24	24	22	27	17
19	14	17	18	15	16	17	15	19	W.N.W. 15	18	21	17	16	19	18
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
21	11	15	15	14	15	11	15	16	W.S.W. 15	14	17	17	16	18	21
22	19	19	20	19	18	21	22	24	N.W. 27	22	26	24	28	26	22
23	13	12	13	11	12	13	15	15	W. 14	20	17	12	19	19	23
24	25	25	29	36	41	36	27	26	W.S.W. 27	25	17	12	24	24	24
25	15	17	13	13	16	15	19	18	S.S.W. 17	15	14	12	9	13	25
26	24	24	24	23	24	20	24	24	W. 21	22	22	22	21	20	26
27	14	13	12	15	14	16	18	19	N.W. 20	20	21	19	17	18	27
28	9	11	13	9	12	13	11	10	W.S.W. 7	2	9	0	7	6	28
29	21	23	32	31	33	27	26	24	W. 24	21	18	22	21	20	29
30	13	15	14	15	13	14	16	17	N.N.W. 17	19	27	25	23	23	30
31	19	19	23	23	22	21	5	5	W. 4	0	9	8	4	0	31
Mean.	16.8	17.6	17.3	17.6	17.9	17.8	17.4	16.9	17.3	16.8	17.6	16.7	17.0	17.4	Mean.

## WIND VELOCITY—continued.

SEPTEMBER, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Maximum Gust.	Daily Total Cup Anemometer.	Date.	
1	S.S.E. 23	22	23	22	22	23	S.S.E. 23	22	21	18	436	18.2	23	1	31	187.05	1	
2	S.E. 12	13	13	12	15	15	E.S.E. 12	10	9	7	370	15.4	22	7	30	654.16	2	
3	E. 1	3	8	5	1	5	E. 1	2	3	5	132	5.5	10	1	20	370.45	3	
4	N.N.W. 17	17	18	17	13	11	N.W. 12	12	13	10	320	13.3	18	9	29	208.60	4	
5	W.N.W. 1	11	14	14	16	11	N.W. 12	13	14	16	318	13.3	22	1	27	442.68	5	
6	N.N.W. 7	8	8	11	4	7	N. 7	0	0	0	251	10.5	17	0	21	403.75	6	
7	C. 0	0	0	0	3	0	S.S.E. 5	5	3	4	39	1.6	5	0	14	177.37	7	
8	N. 1	1	1	0	5	12	N.N.E. 11	14	11	7	96	4.0	14	0	21	182.58	8	
9	W.N.W. 13	12	11	11	12	10	W.N.W. 11	12	15	12	324	13.5	16	10	22	300.08	9	
10	N. 18	18	16	18	21	20	N. 16	20	18	19	358	15.0	22	1	37	341.89	10	
11	W.N.W. 14	14	11	5	6	0	C. 0	0	0	0	302	12.6	25	0	36	553.29	11	
12	S.E. 13	12	15	15	16	17	S. 13	5	6	12	215	9.0	17	0	23	274.07	12	
13	W.N.W. 9	0	0	0	0	0	C. 0	0	7	1	228	9.5	18	0	28	440.15	13	
14	N.N.E. 14	11	9	5	6	0	C. 0	0	0	0	182	7.6	18	0	27	290.71	14	
15	N. 13	14	13	11	10	10	N. 12	12	14	10	215	9.0	16	0	27	267.12	15	
16	N.W. 18	17	15	14	14	10	N.N.W. 7	7	5	12	324	13.5	20	5	29	353.61	16	
17	E.S.E. 1	1	1	1	1	1	S.S.E. 5	12	15	18	101	4.2	18	1	22	326.66	17	
18	S.S.W. 27	26	24	26	25	20	S.S.W. 23	17	20	17	569	23.7	32	17	42	344.20	18	
19	C. 0	0	0	0	0	8	W. 12	13	13	16	199	8.3	16	0	28	400.09	19	
20	S. 5	6	10	0	5	0	S.W. 5	5	0	4	237	9.9	19	0	26	271.13	20	
21	S. 8	6	2	3	0	0	C. 0	0	1	5	182	7.6	15	0	23	228.59	21	
22	C. 0	4	0	0	0	3	C. 0	0	9	10	133	5.6	15	0	20	208.84	22	
23	N.N.W. 5	8	10	11	14	13	N.N.W. 15	18	18	15	164	6.8	18	1	24	143.16	23	
24	N.N.W. 14	17	14	19	23	14	W. 16	18	14	17	438	18.2	25	14	33	338.98	24	
25	W.S.W. 16	15	14	13	12	14	W. 13	15	11	18	349	14.5	22	6	36	460.88	25	
26	W.S.W. 15	13	16	9	12	14	W.S.W. 9	8	4	0	259	10.8	16	0	30	350.54	26	
27	E. 4	8	8	10	8	7	E.N.E. 9	8	7	6	181	7.5	16	0	28	270.75	27	
28	W. 8	0	0	0	0	0	C. 0	0	0	0	161	6.7	14	0	24	260.87	28	
29	N.W. 32	35	36	34	27	23	N.W. 22	22	17	17	510	21.2	36	0	44	262.36	29	
30	W. 34	31	25	17	26	24	W. 26	24	16	21	457	19.0	34	8	43	584.86	30	
Mean.		11.5	11.5	11.2	10.1	10.6	9.7		9.9	9.9	9.5	9.8	268.4	11.3	19.3	2.4	...	Mean.

OCTOBER, 1915.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Maximum Gust.	Daily Total Cup Anemometer.	Date.
1	N.W. 26	25	26	31	23	22	W.N.W. 28	25	17	19	601	25.0	33	17	44	797.34	1
2	W. 22	21	24	19	18	16	W. 14	15	15	15	393	16.4	24	6	34	787.49	2
3	C. 0	9	0	0	0	10	W.N.W. 5	4	3	4	189	7.9	15	0	24	520.90	3
4	C. 0	0	8	0	0	19	N.N.W. 20	16	14	25	212	8.8	25	0	20	264.43	4
5	W. 24	27	25	26	24	24	W.S.W. 24	23	19	17	550	23.0	31	16	38	437.51	5
6	N.W. 18	21	23	27	16	18	W. 17	20	17	19	415	17.3	27	4	37	726.77	6
7	N.N.W. 25	28	28	24	20	27	N.N.W. 24	25	24	27	499	20.8	28	14	36	573.69	7
8	C. 0	0	9	15	14	9	E. 8	1	0	11	186	7.8	20	0	34	611.16	8
9	W. 19	18	17	16	19	18	W. 19	20	21	25	406	17.0	25	6	31	358.21	9
10	N.W. 22	23	23	26	20	24	N.N.W. 24	19	15	12	481	20.0	28	12	44	623.53	10
11	N.N.E. 18	18	17	8	12	17	W. 22	26	25	25	424	17.7	26	8	45	605.04	11
12	E.S.E. 15	17	21	23	22	17	S. 9	11	7	9	360	15.0	23	1	30	520.15	12
13	W.S.W. 15	15	13	13	14	13	W.S.W. 13	13	15	14	311	13.0	16	7	38	341.52	13
14	W. 19	21	19	16	19	18	W. 20	25	19	20	480	20.0	25	15	37	586.88	14
15	W.S.W. 18	24	16	20	17	18	W.S.W. 18	17	9	18	425	17.7	24	9	34	691.32	15
16	W.N.W. 21	20	18	18	17	19	N.W. 21	23	24	26	422	17.7	26	11	32	446.75	16
17	N.W. 30	29	30	29	29	29	N.W. 28	28	29	28	619	25.8	30	19	40	545.36	17
18	N.N.W. 19	18	17	17	18	18	N. 18	19	18	14	540	22.5	29	14	38	772.48	18
19	N.W. 20	19	28	25	30	27	N.N.W. 27	26	28	26	483	20.1	30	14	35	533.27	19
20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	20
21	W.S.W. 15	17	15	15	14	12	W. 14	15	17	17	360	15.0	18	11	26	470.43	21
22	N.W. 26	27	31	29	31	13	N.W. 17	15	16	17	537	22.4	31	13	41	435.14	22
23	W.S.W. 21	16	24	19	20	20	W. 19	17	17	20	399	16.6	24	11	34	579.19	23
24	S.W. 14	14	19	12	15	7	W. 20	20	17	15	518	21.6	41	7	50	641.90	24
25	W.S.W. 17	18	22	19	21	20	W. 21	22	23	24	412	17.2	24	9	34	413.80	25
26	W. 18	19	15	16	13	17	W. 17	16	14	14	474	19.7	24	13	34	549.77	26
27	N.W. 18	20	21	20	22	20	N.W. 18	17	16	11	419	17.5	22	11	27	433.28	27
28	W. 3	9	6	7	11	11	N. 15	17	20	23	241	10.0	23	0	17	439.21	28
29	W. 21	20	20	18	17	17	W.S.W. 14	14	13	14	511	21.3	33	13	45	471.47	29
30	N.W. 22	23	24	21	19	19	W. 19	22	23	19	462	19.2	27	13	36	483.78	30
31	W. 6	7	9	10	11	10	W.N.W. 14	13	15	16	273	11.8	23	0	32	505.42	31
Mean.		17.1	18.1	18.9	18.0	17.5	17.6	18.3	18.0	17.0	17.3	420.1	17.5	25.8	9.1	...	Mean.

## MACQUARIE ISLAND:

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1										
2	20	22	19	23	25	26	27	N.W.	27	27	26	N.W.	27	27	26	
3	26	24	25	24	22	24	23	N.W.	22	24	25	N.N.W.	24	24	24	
4	8	13	12	11	6	12	11	S.W.	7	14	17	W.S.W.	14	15	16	
5	20	21	23	25	26	25	26	N.W.	27	30	29	N.N.W.	29	30	30	
6	18	17	16	17	17	16	16	W.	15	16	15	W.N.W.	14	12	14	
7	18	19	17	17	16	16	14	N.N.W.	17	10	13	N.W.	15	13	15	
8	13	12	17	16	15	14	14	N.W.	18	18	18	N.W.	13	11	8	
9	22	22	23	25	26	26	27	S.S.E.	26	24	27	S.	25	24	21	
10	3	4	1	0	0	7	8	W.N.W.	11	15	15	W.N.W.	13	11	8	
11	12	13	12	11	8	7	10	N.W.	9	10	11	N.W.	10	11	10	
12	15	15	14	13	13	12	16	N.W.	11	13	12	N.W.	11	10	10	
13	15	12	11	11	10	11	10	N.	16	13	13	N.	8	0	2	
14	13	13	13	14	15	14	16	S.S.E.	15	14	14	S.S.E.	13	13	13	
15	14	15	13	12	12	10	9	S.	1	0	8	N.W.	5	12	16	
16	15	13	15	15	13	8	6	W.	4	6	8	W.S.W.	12	13	14	
17	27	32	34	40	28	28	32	34	W.S.W.	26	21	23	W.	21	23	21
18	23	20	24	17	14	15	14	S.S.W.	15	13	11	S.W.	17	18	17	
19	28	25	24	25	21	20	21	W.S.W.	24	27	28	W.S.W.	23	20	21	
20	20	18	19	17	16	17	16	W.	18	19	19	W.N.W.	20	19	19	
21	22	19	20	18	20	19	19	W.S.W.	18	21	14	S.W.	13	15	12	
22	14	11	12	12	13	14	14	W.	14	15	15	W.	13	14	13	
23	13	12	11	10	10	10	10	W.	11	9	12	W.N.W.	12	8	9	
24	16	16	16	17	18	17	18	W.N.W.	20	20	22	N.W.	22	22	23	
25	17	12	13	12	13	12	10	N.W.	15	17	17	W.N.W.	18	18	24	
26	16	16	16	16	15	16	15	S.S.E.	14	14	15	S.	13	13	11	
27	0	0	0	10	2	8	12	W.S.W.	2	13	12	W.	14	13	18	
28	19	15	12	9	10	7	9	W.S.W.	9	14	8	W.S.W.	6	0	6	
29	14	12	13	14	15	13	13	S.W.	1	4	8	S.W.	4	8	8	
30	0	0	0	8	11	14	18	W.	23	17	14	W.S.W.	14	17	19	
	21	18	18	21	18	18	16	W.N.W.	13	14	14	W.	12	15	30	
Mean.	16.0	15.4	15.5	16.0	15.0	15.2	15.5	15.5	14.9	15.7	16.1	15.1	14.9	15.4	Mean.	

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1									
2	7	2	1	2	0	2	3	W.S.W.	5	9	10	W.	11	12	12
3	17	18	17	17	18	18	19	N.W.	19	18	18	N.W.	18	17	2
4	17	16	18	17	18	16	19	S.W.	18	18	19	W.	19	21	3
5	20	13	12	10	13	14	12	S.	13	4	4	S.	11	2	4
6	15	16	12	12	15	13	13	W.	18	20	17	W.N.W.	18	18	5
7	15	14	12	12	12	16	15	N.W.	15	19	19	N.N.W.	20	20	6
8	8	0	6	13	14	14	8	S.W.	15	20	17	W.S.W.	15	15	7
9	20	16	20	12	19	20	23	N.W.	25	23	20	N.W.	17	15	8
10	0	9	14	17	17	14	8	N.W.	1	1	10	W.	12	13	9
11	10	9	12	13	13	14	12	N.N.W.	10	10	10	N.N.W.	12	14	10
12	7	16	20	24	26	30	31	N.N.W.	31	31	32	N.N.W.	34	33	11
13	37	37	35	34	31	30	31	W.N.W.	34	21	20	W.N.W.	19	21	12
14	32	32	32	32	33	32	33	N.W.	31	29	27	N.W.	22	18	13
15	16	17	16	17	17	20	18	W.N.W.	19	16	16	W.	15	16	14
16	11	16	17	11	0	0	0	S.E.	8	1	10	S.S.E.	13	8	14
17	15	14	11	11	13	13	28	W.S.W.	24	25	17	W.	20	18	16
18	8	9	2	0	7	1	1	S.	11	11	14	S.	6	10	17
19	0	0	0	0	0	0	0	W.N.W.	6	5	2	N.W.	12	12	18
20	2	5	3	7	0	3	3	E.N.E.	4	8	5	E.N.E.	9	13	10
21	9	0	0	2	13	13	14	W.	11	13	13	W.N.W.	16	15	20
22	19	14	14	8	8	15	14	W.	11	12	11	W.N.W.	10	13	13
23	18	18	20	17	16	18	19	N.N.W.	16	17	17	N.N.W.	19	18	22
24	19	16	16	16	13	15	15	W.N.W.	16	17	18	W.N.W.	20	21	23
25	21	20	19	21	15	17	17	W.N.W.	16	17	18	N.W.	16	15	18
26	0	0	0	0	0	0	0	C.	0	0	3	N.W.	6	2	25
27	8	9	5	3	5	11	13	N.W.	18	21	28	W.	23	24	26
28	27	28	26	24	25	24	25	N.W.	26	25	26	N.N.W.	26	23	27
29	22	30	24	23	25	23	26	N.W.	26	23	25	W.N.W.	27	25	28
30	15	18	18	25	20	24	19	W.N.W.	20	24	22	N.W.	19	23	29
31	22	21	21	19	23	19	19	N.W.	20	17	12	W.N.W.	11	9	30
	14	15	9	15	8	14	9	C.	0	17	17	W.	13	11	31
Mean.	14.5	14.5	13.9	14.0	14.1	14.8	14.9	15.4	15.7	15.9	16.0	16.4	15.9	15.7	Mean.

## —WIND VELOCITY—continued.

NOVEMBER, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Maximum.	Minimum.	Maximum Gust.	Daily Total Cup Anemometer.	Date.
1	N.W. 26	26	25	N.W. 24	25	25	N.W. 25	25	27	23	599	25.0	27	19	37	392.27	1
2	N.N.W. 24	27	20	W. 12	12	10	W. 12	10	6	10	478	18.8	27	6	34	732.60	2
3	W. 17	17	18	W. 15	17	18	W.N.W. 21	25	28	25	365	15.2	28	6	36	410.29	3
4	N.N.W. 31	34	35	W. 37	36	19	W.S.W. 24	21	21	19	654	27.2	37	19	46	562.69	4
5	W.N.W. 18	18	15	W.N.W. 14	15	17	W.N.W. 16	15	18	18	382	16.0	18	12	29	678.65	5
6	W.N.W. 14	11	13	W.N.W. 13	13	16	N.W. 17	18	12	13	354	14.7	19	10	28	393.57	6
7	N.W. 7	0	0	C. 0	0	11	S.E. 13	18	22	23	304	12.7	23	0	29	361.75	7
8	S. 21	23	19	S.S.W. 9	11	7	S.S.W. 10	9	7	5	464	19.3	27	5	37	463.41	8
9	W.N.W. 11	13	11	W.N.W. 9	9	9	W.N.W. 9	9	8	12	205	8.5	15	0	18	309.93	9
10	N.W. 13	12	10	N.W. 11	10	12	N.W. 13	13	17	17	276	11.5	17	7	18	270.07	10
11	N.W. 7	4	3	N.N.W. 12	10	10	N.W. 5	7	6	13	256	10.7	16	3	24	325.84	11
12	N. 9	0	5	C. 0	0	10	E.S.E. 11	10	11	12	213	8.9	16	0	22	218.63	12
13	S.S.E. 16	17	13	S.S.E. 13	13	13	S. 14	16	14	13	340	14.2	17	13	23	253.14	13
14	N.W. 13	19	15	N.W. 15	19	20	N.N.W. 21	19	15	14	299	12.0	21	0	27	305.67	14
15	W.S.W. 17	17	15	W.S.W. 16	13	18	W. 21	21	19	26	329	13.7	26	4	32	362.46	15
16	W.N.W. 18	18	23	W. 25	22	19	W. 21	19	24	25	604	25.2	40	18	53	631.94	16
17	W.S.W. 17	20	19	W. 20	15	23	W. 22	24	25	24	442	18.4	25	11	38	571.60	17
18	W.S.W. 21	17	24	S.W. 21	22	19	S.W. 16	19	16	16	523	21.8	28	16	40	625.30	18
19	W.N.W. 19	21	21	W.N.W. 23	23	21	W.N.W. 19	23	22	21	467	19.5	23	16	33	550.45	19
20	S.W. 13	14	13	S.W. 14	9	5	S.W. 9	15	15	14	369	15.4	22	5	37	620.16	20
21	W. 14	14	13	W. 12	12	13	W. 14	15	15	14	325	13.5	15	11	21	329.67	21
22	N.W. 7	9	10	N.W. 11	11	11	N.N.W. 12	12	13	15	259	10.8	15	7	...	392.90	22
23	W. 21	18	18	W. 18	17	17	W. 16	16	17	16	442	18.4	22	16	31	382.32	23
24	N.W. 17	16	15	N.W. 15	17	15	N.N.W. 13	20	22	21	377	15.7	22	10	22	498.83	24
25	S. 9	6	8	C. 0	0	5	S.S.W. 9	1	0	5	248	10.3	16	0	27	465.41	25
26	W.N.W. 19	21	24	W. 19	20	18	W.S.W. 15	16	17	15	300	12.5	24	0	30	199.58	26
27	W. 7	8	6	W.N.W. 9	11	8	N.W. 11	12	15	16	227	9.4	19	0	26	413.56	27
28	S.W. 1	0	0	S.W. 4	0	0	C. 0	2	0	0	133	5.5	15	0	18	326.97	28
29	W. 19	22	19	W.S.W. 20	23	20	W. 19	22	22	24	385	16.0	24	0	40	199.31	29
30	W. 14	14	15	W. 5	7	12	W. 14	14	12	10	345	14.4	21	5	22	598.37	30
Mean		15.4	15.2	14.8	13.9	13.7	14.2		14.8	15.5	15.5	15.2	22.2	6.8	...	...	Mean.

DECEMBER, 1912.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Maximum.	Minimum.	Maximum Gust.	Daily Total Cup Anemometer.	Date.
1	W. 11	11	13	W.N.W. 12	12	11	W.N.W. 11	14	17	18	206	8.5	18	0	20	279.46	1
2	W.N.W. 16	19	18	W.S.W. 20	19	17	S.W. 17	17	15	15	422	17.6	20	15	39	389.61	2
3	S.W. 15	24	20	S. 22	25	18	S. 17	19	17	15	437	18.2	25	13	45	522.91	3
4	C. 0	0	0	C. 0	0	0	N.W. 3	9	14	16	182	7.6	20	0	29	426.59	4
5	W.N.W. 17	15	15	W.N.W. 13	17	14	W.N.W. 13	12	11	16	363	15.1	20	11	26	300.11	5
6	N.N.W. 19	17	17	N.N.W. 19	22	21	N.N.W. 22	18	15	13	407	17.0	22	12	27	406.97	6
7	W.N.W. 16	17	16	N.W. 13	15	12	N.N.E. 15	17	21	21	334	13.9	21	0	38	456.43	7
8	N.N.W. 10	9	8	N.N.W. 6	10	0	C. 0	0	0	0	307	12.8	25	0	31	483.27	8
9	W.N.W. 8	4	5	N.W. 3	11	13	N. 13	10	9	10	217	9.0	17	0	21	280.84	9
10	N.N.W. 12	8	16	C. 0	6	0	N.E. 4	7	12	8	236	9.8	16	0	23	289.17	10
11	N.N.W. 37	36	37	N.W. 39	36	38	N.W. 37	29	29	29	730	30.4	39	7	53	404.41	11
12	N.W. 23	25	23	N.W. 22	26	27	N.W. 29	30	31	31	671	28.0	37	19	40	906.03	12
13	N.W. 17	15	17	W.N.W. 17	17	15	W.N.W. 15	15	17	16	564	23.5	33	15	38	774.43	13
14	W.N.W. 17	15	15	N.W. 17	18	18	N.W. 20	18	16	14	407	17.0	20	14	24	521.47	14
15	W.S.W. 15	17	23	W. 18	17	15	W.N.W. 14	10	11	12	268	11.2	23	0	28	425.56	15
16	W.S.W. 16	16	17	W.S.W. 16	15	17	W. 12	9	8	7	381	15.9	25	7	40	436.78	16
17	S.W. 9	12	7	S.W. 6	7	0	C. 0	3	0	5	153	6.4	16	0	25	362.39	17
18	N.N.W. 12	13	0	N. 8	8	11	N. 8	8	6	6	132	5.5	13	0	16	180.82	18
19	E. 12	9	14	E.N.E. 17	16	18	E.N.E. 16	9	6	0	190	7.9	18	0	32	208.94	19
20	W. 18	19	19	W.S.W. 13	13	17	W.S.W. 15	14	15	20	313	13.0	20	0	36	281.12	20
21	N.W. 14	12	13	N.W. 16	16	12	N.W. 14	19	17	16	322	13.4	19	8	27	428.98	21
22	N.W. 31	30	27	N.W. 28	26	24	N.W. 23	23	18	17	500	20.8	31	16	37	429.87	22
23	N.W. 21	20	22	N.W. 20	19	17	N.W. 22	22	21	20	442	18.4	22	13	28	600.48	23
24	W.N.W. 19	18	16	N.W. 17	14	14	W.N.W. 10	12	7	4	380	15.9	21	4	28	555.60	24
25	N.W. 7	5	3	N.W. 2	0	3	N.W. 4	6	6	6	60	2.5	8	0	14	304.54	25
26	W.N.W. 24	26	25	N.W. 23	21	24	N.W. 24	26	23	25	443	18.4	28	3	40	218.71	26
27	N.N.W. 19	13	10	N.N.W. 6	0	0	C. 0	18	18	22	456	19.0	28	0	35	746.66	27
28	W.N.W. 26	21	22	W.N.W. 15	24	22	W.N.W. 25	22	20	23	565	23.5	30	15	41	571.97	28
29	N.W. 26	26	21	W.N.W. 21	20	24	W.N.W. 20	20	23	22	517	21.5	26	15	40	678.07	29
30	W.N.W. 12	19	9	W.N.W. 2	7	14	W.N.W. 15	14	15	16	357	14.9	23	2	31	657.14	30
31	S. 17	20	12	S.W. 9	11	13	W.S.W. 14	17	16	16	300	12.5	20	0	34	329.25	31
Mean		16.6	16.1	15.6	14.2	15.0	14.5	14.6	15.0	14.6	363.3	15.1	22.7	6.1	...	Mean.	

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1
2	15	15	12	13	14	17	19	22	N.W.	22	24	26	N.W.	27	27
2	20	19	18	18	19	18	19	18	W.N.W.	16	20	19	N.W.	19	22
3	25	25	24	24	24	25	25	25	N.W.	25	24	24	N.W.	25	21
4	11	17	21	21	27	30	30	21	S.S.E.	16	14	15	W.	12	16
5	20	13	18	12	16	14	12	16	W.	16	18	16	W.N.W.	20	23
6	37	30	25	20	16	14	13	12	W.	8	9	10	W.	11	12
7	9	2	8	9	10	10	8	10	N.W.	12	15	17	N.W.	17	14
8	20	18	18	20	17	15	17	16	W.	15	15	14	W.	15	13
9	15	15	12	11	14	10	9	7	W.S.W.	14	13	13	W.S.W.	13	14
10	12	13	14	15	20	15	16	17	W.S.W.	17	16	15	W.	13	16
11	20	20	22	23	23	20	20	20	W.S.W.	22	25	24	W.S.W.	26	24
12	18	18	16	12	10	10	13	14	N.N.W.	14	17	23	N.N.W.	23	24
13	15	17	17	19	19	22	24	25	W.	26	24	24	W.S.W.	22	20
14	8	4	8	7	15	19	23	31	N.W.	33	28	26	N.W.	20	8
15	25	26	26	27	26	27	25	20	W.N.W.	17	19	20	N.W.	25	25
16	26	25	26	27	28	29	28	26	W.	26	25	24	W.N.W.	25	21
17	11	21	25	24	24	25	26	26	W.S.W.	18	15	20	S.S.W.	22	13
18	23	23	25	25	26	26	25	26	N.W.	25	24	25	N.W.	24	19
19	8	2	7	0	0	0	0	0	C.	0	0	2	W.N.W.	2	6
20	6	0	0	0	0	0	0	0	C.	0	3	0	W.	3	0
21	9	10	12	12	14	10	13	10	W.S.W.	8	11	12	W.N.W.	9	11
22	0	0	0	0	0	0	0	0	C.	0	10	11	W.N.W.	9	13
23	18	17	17	17	20	25	26	24	N.W.	24	26	26	N.W.	27	29
24	20	20	20	18	25	26	26	26	W.N.W.	27	22	22	W.N.W.	22	24
25	24	24	25	24	24	23	21	19	N.W.	20	23	24	N.N.W.	23	19
26	9	9	4	14	14	13	12	8	W.	16	14	15	W.	13	18
27	15	15	19	15	15	15	14	15	S.W.	1	12	13	W.S.W.	14	12
28	0	3	10	0	4	0	0	2	W.N.W.	3	6	9	W.N.W.	10	9
29	10	8	8	6	16	24	25	18	W.N.W.	12	4	1	N.W.	7	0
30	14	11	15	15	14	15	15	14	N.W.	15	17	15	N.W.	15	14
31	13	10	6	0	8	9	11	11	W.	14	15	16	W.S.W.	17	18
Mean.	15.4	14.5	15.4	14.4	16.2	16.4	16.6	16.1	...	15.6	16.4	16.8	17.1	16.8	16.0

## MACQUARIE ISLAND.

Date	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1									
2	20	19	18	19	18	16	15	13	W.	12	13	9	W.N.W.	9	12
2	12	13	12	11	12	11	14	13	N.	13	15	20	N.	18	14
3	30	28	28	28	28	25	25	25	W.	20	16	16	W.	19	17
4	18	18	17	15	13	15	16	18	N.W.	19	16	16	W.N.W.	15	15
5	0	0	0	0	0	17	13	20	N.	18	18	23	N.N.W.	25	28
6	20	18	17	21	19	19	20	22	N.W.	24	20	20	N.W.	20	6
7	22	23	24	25	25	24	24	21	N.W.	18	13	14	W.N.W.	12	11
8	18	19	20	20	19	21	20	22	W.N.W.	21	23	22	W.N.W.	24	8
9	16	17	16	17	17	20	22	24	N.W.	22	23	23	N.W.	24	9
10	20	17	17	17	17	15	14	16	W.S.W.	16	15	16	W.	16	15
11	23	24	30	30	26	26	25	25	W.S.W.	26	25	25	W.S.W.	26	11
12	15	14	16	20	17	16	17	15	W.S.W.	19	20	20	W.S.W.	24	20
13	10	10	8	8	16	16	15	15	S.W.	15	14	12	S.W.	16	17
14	10	10	10	10	12	12	13	15	S.W.	12	11	11	S.W.	11	14
15	16	14	13	14	18	18	20	19	W.	19	15	14	W.S.W.	15	15
16	5	6	9	9	9	7	8	0	W.	8	10	12	W.S.W.	12	16
17	0	0	0	0	0	0	0	0	C.	0	0	0	C.	0	7
18	15	14	14	13	15	14	13	14	N.N.W.	12	9	11	N.	9	7
19	0	0	0	0	0	11	12	11	N.W.	8	3	3	N.W.	4	19
20	0	0	0	0	0	0	0	0	C.	0	9	10	S.S.E.	10	11
21	22	22	20	13	7	0	0	0	C.	0	0	0	W.	10	21
22	18	15	10	14	8	0	0	5	W.	10	10	10	W.N.W.	8	22
23	10	10	11	2	0	7	5	9	C.	0	9	5	W.N.W.	8	0
24	0	9	0	16	19	13	14	19	W.N.W.	17	15	19	W.N.W.	20	24
25	10	2	11	11	8	13	17	16	N.N.W.	17	18	17	N.N.W.	19	25
26	13	14	11	12	9	17	11	12	N.W.	12	19	14	N.W.	19	26
27	19	18	19	18	19	20	20	20	W.S.W.	18	20	18	W.S.W.	20	27
28	16	14	17	14	13	9	10	11	W.N.W.	10	2	0	C.	0	28
Mean.	13.5	13.1	12.8	13.5	13.3	13.5	13.6	14.3	13.8	13.6	13.6	13.6	14.8	14.4	15.8

## METEOROLOGY—MACQUARIE ISLAND STATION.

317

## WIND VELOCITY—continued.

JANUARY, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	N.W. 25	m.p.h. 23	m.p.h. 23	N.W. 21	m.p.h. 23	m.p.h. 20	N.W. 20	m.p.h. 19	m.p.h. 19	m.p.h. 13	485 miles.	m.p.h. 20.2	m.p.h. 27	m.p.h. 12	1
2	N.W. 18	19	17	W.N.W. 16	16	16	W.S.W. 20	20	20	25	455	18.9	25	16	2
3	N.W. 20	16	13	N.N.W. 13	14	10	N.N.E. 8	10	0	0	443	18.5	25	0	3
4	W. 15	17	17	N.W. 16	17	10	N.N.W. 11	12	16	16	414	17.3	30	10	4
5	W.N.W. 24	23	18	N.W. 19	22	28	N.W. 30	34	34	35	502	20.9	35	12	5
6	W. 14	14	15	W. 14	15	11	W. 13	14	15	15	371	15.5	37	8	6
7	N.W. 16	16	17	N.W. 18	19	19	N.W. 19	20	20	21	343	14.3	21	2	7
8	W. 13	14	13	W.N.W. 14	11	16	N.W. 14	15	11	12	361	15.0	20	11	8
9	W. 14	15	13	W.S.W. 15	15	15	W. 14	16	12	13	317	13.2	16	7	9
10	W. 17	15	18	W. 20	18	20	W.S.W. 18	18	19	20	399	16.6	20	12	10
11	S.W. 20	23	26	S.W. 15	17	18	W.S.W. 20	18	16	18	503	20.9	26	15	11
12	N.W. 28	24	20	W.N.W. 18	19	21	W. 16	14	15	17	432	18.0	23	10	12
13	W. 17	14	12	W. 12	4	6	N.W. 6	0	10	8	379	15.8	26	0	13
14	S.W. 9	8	15	S.W. 17	20	20	S.W. 20	25	15	23	402	16.7	33	0	14
15	N.W. 25	24	25	N.W. 20	18	18	N.W. 20	23	23	24	552	23.0	27	17	15
16	W.N.W. 19	19	18	W.N.W. 17	15	8	N.W. 18	15	11	6	503	20.9	29	6	16
17	S.W. 4	0	0	C. 0	2	0	N.E. 6	8	10	20	327	13.6	26	0	17
18	N.W. 22	19	18	N.W. 18	17	16	N.W. 15	15	14	14	506	21.1	26	14	18
19	W.S.W. 6	8	8	S.W. 8	2	0	S. 11	9	9	9	103	4.3	11	0	19
20	C. 0	2	5	C. 0	0	0	C. 0	0	1	2	31	1.3	9	0	20
21	W.S.W. 8	4	0	C. 0	0	0	C. 0	0	0	0	165	6.9	14	0	21
22	W.N.W. 14	10	11	N.W. 12	13	13	N. 14	15	17	20	196	8.2	20	0	22
23	N.W. 28	26	23	N.W. 21	18	19	W.N.W. 18	19	19	20	535	22.3	29	17	23
24	W.N.W. 21	21	19	N.W. 24	23	24	N.W. 25	24	26	24	552	23.0	27	18	24
25	N.N.W. 18	17	14	N.N.W. 15	14	14	N.N.W. 13	17	10	12	454	19.0	25	10	25
26	W. 17	15	14	W.S.W. 12	12	10	W.S.W. 10	10	11	12	299	12.4	18	4	26
27	W. 14	11	12	W.S.W. 6	6	7	S.W. 8	4	5	8	268	11.2	19	1	27
28	N.N.W. 11	13	9	N. 10	12	12	N. 10	8	20	18	191	8.0	20	0	28
29	C. 0	0	0	N. 8	4	13	N. 11	11	11	12	212	8.8	25	0	29
30	N.W. 17	16	13	N.W. 12	13	6	N.W. 8	9	12	9	319	13.3	17	6	30
31	W.S.W. 17	17	18	W.S.W. 20	20	20	W.S.W. 20	21	21	22	362	15.1	22	0	31
Mean.	15.9	15.0	14.2	13.9	13.5	13.2	14.1	14.3	14.4	15.1	367.1	15.3	23.6	6.7	Mean.

FEBRUARY, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	N.W. 12	m.p.h. 2	0	N.W. 7	12	14	N.N.W. 14	14	15	14	305 miles.	12.7	20	0	1
2	N. 16	20	25	N.W. 23	21	22	W.N.W. 26	30	32	30	439	18.3	32	11	2
3	N.W. 15	18	20	N.W. 25	18	17	W.N.W. 16	14	14	16	496	20.7	30	14	3
4	N.W. 16	14	15	N.W. 14	12	12	N.W. 13	13	13	10	357	14.9	19	10	4
5	N.N.W. 28	26	25	N.W. 25	26	24	W. 23	20	18	20	435	18.1	28	0	5
6	N.W. 22	20	18	N.W. 17	17	18	N.W. 16	16	17	19	460	19.2	24	16	6
7	W.N.W. 9	11	11	N.W. 12	13	15	N.W. 16	17	17	17	406	16.9	25	9	7
8	W.N.W. 24	24	22	W.N.W. 23	24	18	W. 20	22	19	15	507	21.1	24	15	8
9	N.W. 25	26	18	W.N.W. 19	20	23	W.N.W. 16	20	18	21	494	20.6	26	16	9
10	W.N.W. 15	20	19	W.N.W. 22	24	26	N.W. 30	20	19	20	441	18.4	30	14	10
11	W.S.W. 15	14	20	S.W. 20	20	12	S.W. 20	14	18	18	517	21.5	30	12	11
12	W. 20	21	20	W. 18	20	18	W. 17	10	9	10	411	17.1	24	9	12
13	S.S.W. 16.	15	15	S. 16	16	13	S.W. 10	10	10	9	317	13.2	17	8	13
14	W.S.W. 16	16	16	W.S.W. 17	13	14	W. 16	16	15	14	326	13.6	22	10	14
15	W. 13	14	13	W. 13	12	12	W. 12	11	5	8	338	14.1	20	5	15
16	N.N.W. 15	8	12	N.N.W. 16	14	13	W.N.W. 8	8	8	0	208	8.7	16	0	16
17	W.N.W. 12	11	14	W. 14	16	17	W. 17	19	17	14	170	7.1	19	0	17
18	N. 4	6	15	N.N.E. 14	18	17	N.N.E. 16	11	4	0	265	11.0	18	0	18
19.	N.W. 9	7	0	C. 0	0	0	C. 0	0	0	0	85	3.5	32	0	19
20.	S.S.E. 12	14	13	S.S.E. 15	22	22	S. 24	24	23	24	246	10.2	24	0	20
21.	N.W. 10	7	9	N. 12	14	15	N. 13	15	15	15	235	9.8	22	0	21
22.	W. 11	3	11	W. 11	9	8	W. 10	10	9	8	221	9.2	18	0	22
23.	N. 4	9	9	N.N.W. 13	15	17	N. 18	18	14	10	203	8.5	18	0	23
24.	W. 16	21	20	W.S.W. 19	18	18	W.S.W. 17	17	10	0	350	14.6	21	0	24
25.	N.N.W. 18	18	18	N.N.W. 15	15	15	N. 15	16	13	11	367	15.3	30	2	25
26.	W.N.W. 22	20	22	W. 20	17	20	W.S.W. 20	16	16	16	390	16.2	22	9	26
27.	W.S.W. 20	18	18	W.S.W. 18	18	18	W. 18	17	16	16	445	18.5	20	16	27
28.	N. 12	13	14	N. 15	5	9	N.E. 8	7	5	15	236	9.9	17	0	28
Mean.	15.3	14.9	15.4	16.2	16.0	16.0	14.9	13.9	13.2	13.2	345.4	14.4	22.4	6.2	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1
2	18	12	25	33	44	44	40	35	35	30	30	W.	30	30	1
3	20	15	18	18	16	18	19	W.S.W.	18	16	18	W.	16	16	2
4	12	13	14	12	13	8	14	N.N.E.	20	20	18	N.	16	18	3
5	16	20	25	26	29	34	30	W.N.W.	28	30	30	W.N.W.	30	25	4
6	18	17	18	24	25	26	24	20	W.	25	20	W.N.W.	24	22	5
7	9	11	11	5	12	0	0	0	C.	0	0	C.	0	0	6
8	17	18	17	17	14	16	16	17	W.S.W.	10	10	W.S.W.	8	11	7
9	20	20	20	16	14	15	12	12	W.N.W.	15	14	W.N.W.	17	20	8
10	10	10	8	13	13	15	15	16	S.W.	14	15	W.S.W.	16	15	9
11	9	9	10	2	7	10	12	12	W.N.W.	14	12	W.N.W.	11	10	10
12	0	0	0	0	0	0	0	0	C.	0	0	C.	0	0	11
13	0	0	0	0	0	0	0	0	C.	0	0	C.	0	0	12
14	0	0	0	5	5	0	0	0	C.	0	0	C.	0	8	13
15	5	5	0	5	5	6	5	3	E.	4	5	E.	5	5	14
16	15	15	14	15	15	16	16	15	S.S.E.	14	12	C.	0	0	15
17	0	0	0	0	0	0	0	0	C.	0	5	S.E.	3	3	16
18	14	8	10	9	8	9	10	15	S.S.E.	20	15	S.W.	7	10	17
19	0	0	0	5	10	2	10	4	W.	4	7	W.	2	0	18
20	12	13	15	16	20	19	19	17	W.S.W.	18	18	W.S.W.	16	14	19
21	2	2	10	10	13	8	12	12	W.N.W.	10	9	W.	10	5	20
22	0	4	0	0	0	2	0	2	S.S.W.	2	5	C.	0	0	21
23	10	12	14	16	15	17	16	15	N.N.W.	18	16	N.	20	18	22
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
25	17	15	14	15	15	0	0	0	W.	4	2	W.	3	6	24
26	20	20	20	20	21	21	18	16	N.W.	15	14	N.W.	17	16	25
27	0	0	0	0	0	0	0	0	S.E.	8	10	S.E.	13	13	26
28	10	0	0	0	0	0	0	0	C.	0	0	W.	9	10	27
29	0	0	10	10	11	10	11	10	W.S.W.	10	13	W.S.W.	14	12	28
30	19	19	20	20	20	19	18	17	N.W.	20	29	N.W.	24	24	29
31	10	17	16	19	17	16	17	21	N.W.	23	23	N.W.	19	20	30
Mean.	10.0	9.9	11.1	11.5	12.5	11.6	11.8	11.0	...	12.2	12.2	12.0	11.7	11.9	11.5

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1										
2	0	6	10	15	15	18	20	22	W.N.W.	22	20	18	W.N.W.	22	20	18
3	15	18	13	18	16	17	12	16	W.N.W.	18	20	18	W.N.W.	22	0	2
4	0	0	3	6	5	11	12	15	W.S.W.	16	13	14	W.S.W.	16	15	3
5	16	16	16	17	18	18	17	18	W.S.W.	16	15	10	W.S.W.	16	14	4
6	10	8	13	14	15	16	15	13	W.S.W.	13	10	10	W.S.W.	16	15	5
7	15	18	15	17	15	16	18	15	N.W.	16	10	10	N.W.	15	16	6
8	15	16	17	18	18	20	16	16	N.N.W.	17	18	24	N.N.W.	25	23	7
9	26	27	24	28	30	30	30	30	N.W.	26	28	28	N.W.	30	26	8
10	26	24	23	24	25	23	22	22	W.N.W.	22	18	20	W.N.W.	22	18	9
11	18	16	20	18	12	8	13	8	W.	8	14	12	W.	8	0	10
12	6	8	14	10	16	18	20	20	W.N.W.	30	25	25	N.W.	30	32	11
13	20	20	20	28	26	27	27	32	N.W.	35	40	38	N.W.	35	32	12
14	30	29	27	20	17	14	14	16	S.W.	20	16	17	S.W.	16	20	13
15	18	20	26	34	35	33	30	22	W.N.W.	22	20	22	W.	20	26	14
16	17	19	22	18	20	16	20	16	N.W.	12	10	8	N.W.	10	13	15
17	22	16	10	10	10	11	14	16	W.S.W.	16	20	16	W.	18	20	16
18	15	16	14	18	16	16	18	18	W.N.W.	17	20	20	W.N.W.	18	20	17
19	24	20	20	19	22	25	25	24	N.W.	27	28	30	N.W.	30	30	18
20	20	25	24	22	20	21	21	23	W.	20	22	24	W.	24	24	19
21	20	20	20	18	16	20	20	20	W.	24	24	22	W.S.W.	23	23	20
22	15	17	20	18	18	20	20	20	W.N.W.	18	16	16	W.N.W.	15	17	21
23	22	20	20	20	24	24	25	25	N.W.	25	35	26	N.W.	28	28	22
24	22	20	24	24	25	26	27	24	W.S.W.	25	25	23	W.S.W.	23	18	23
25	4	2	5	4	6	10	15	15	W.	10	15	16	W.	17	15	24
26	6	8	10	10	13	14	14	15	W.	16	16	16	W.	16	16	25
27	14	12	14	13	6	0	0	0	N.	4	5	4	C.	0	0	26
28	18	18	17	18	19	20	20	12	N.W.	12	12	12	C.	0	0	27
29	5	0	0	5	5	11	10	15	W.S.W.	15	13	12	W.S.W.	14	8	28
30	12	10	14	6	17	6	8	14	W.S.W.	10	5	6	W.S.W.	14	14	29
Mean.	15.0	15.0	16.1	16.9	16.7	17.2	17.8	17.6	18.0	18.2	17.5	18.6	17.3	16.8	Mean.	

—WIND VELOCITY—*continued.*

MARCH, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	W. 30	30	25	W. 26	25	20	W. 17	18	19	18	669	27.9	44	12	1
2	W. 16	16	15	W. 16	14	13	W. 6	10	10	10	366	15.3	20	10	2
3	N.N.W. 15	18	18	N.W. 18	18	17	N.W. 18	19	19	18	390	16.3	20	8	3
4	W.N.W. 25	24	23	W.N.W. 22	25	22	N.W. 20	20	22	25	603	25.1	34	16	4
5	W.N.W. 24	20	18	W.N.W. 18	15	17	N.W. 17	22	13	9	482	20.1	26	9	5
6	W.S.W. 12	12	11	W. 12	14	13	W. 12	12	13	12	278	11.6	22	0	6
7	W.S.W. 14	14	14	W.S.W. 15	15	15	S.W. 14	15	16	15	256	10.7	16	0	7
8	W.N.W. 22	25	25	W.N.W. 25	24	25	W.N.W. 24	18	20	19	469	19.5	25	16	8
9	W.N.W. 20	20	18	S.W. 10	16	8	S.W. 10	8	5	8	357	14.9	20	5	9
10	S.W. 9	0	7	W. 7	0	0	W. 7	6	4	4	234	9.7	16	0	10
11	W.N.W. 7	4	0	C. 0	0	0	C. 0	0	0	0	146	6.1	14	0	11
12	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	0	0	0	0	12
13	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	0	0	0	0	13
14	C. 0	4	5	S.E. 6	5	6	S.E. 4	5	2	5	66	2.7	8	0	14
15	E. 5	10	12	S.E. 12	12	12	S.E. 13	12	12	13	175	7.3	13	0	15
16	N.E. 5	7	9	C. 0	0	0	C. 0	0	0	0	170	7.1	16	0	16
17	S.S.E. 14	15	14	S.S.E. 15	15	16	S. 16	17	18	17	181	7.5	18	0	17
18	W.S.W. 17	20	20	W.S.W. 18	16	15	W. 9	7	7	2	297	12.4	20	2	18
19	W. 5	2	4	W.S.W. 8	9	9	W. 10	11	11	14	127	5.3	14	0	19
20	W.S.W. 15	15	12	W.S.W. 9	9	0	C. 0	0	0	0	287	12.0	20	0	20
21	W. 7	8	2	S.S.E. 7	0	8	C. 0	0	0	0	146	6.1	13	0	21
22	C. 0	0	0	C. 0	0	0	C. 0	2	2	9	30	1.3	9	0	22
23	N. 18	30	22	N.N.E. 26	34	33	N.N.E. 30	25	24	20	488	20.4	34	10	23
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
25	W.N.W. 11	11	12	W.N.W. 13	17	16	N.W. 18	19	19	19	250	10.4	22	0	25
26	N.W. 13	6	2	N. 10	10	10	N.E. 10	13	12	9	341	14.2	21	2	26
27	S.S.E. 10	12	14	S.S.E. 14	18	15	S. 16	18	16	10	211	8.8	18	0	27
28	W. 11	11	15	S.S.W. 15	14	16	S. 7	7	3	10	166	6.9	16	0	28
29	W.S.W. 14	14	13	W.S.W. 14	9	4	W. 10	16	13	16	262	10.9	16	0	29
30	N.N.W. 20	22	22	N.N.W. 20	20	20	N.N.W. 22	22	20	10	471	19.6	24	10	30
31	N.W. 18	20	18	N.W. 20	16	16	N. 15	6	0	5	388	16.2	23	0	31
Mean.	12.6	13.0	12.3	12.5	12.3	11.5	10.8	10.8	9.8	10.1	276.8	11.6	18.7	3.3	Mean.

APRIL, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	W. 17	19	20	W. 20	18	20	W. 18	20	20	20	418	17.4	22	0	1
2	C. 0	10	15	C. 0	3	0	C. 0	0	5	6	242	10.1	22	0	2
3	W. 15	15	16	W.S.W. 17	14	15	W.S.W. 14	15	14	12	288	12.0	17	0	3
4	W.S.W. 16	14	13	S.W. 10	9	16	S.W. 17	20	16	20	373	15.5	20	9	4
5	W.S.W. 15	16	15	W. 16	14	12	W. 14	14	14	13	325	13.5	16	8	5
6	N.W. 18	20	18	N.W. 16	18	18	N.W. 18	16	15	14	385	16.0	20	10	6
7	N.N.W. 24	24	24	N.N.W. 25	24	23	N.N.W. 22	22	23	23	501	20.9	25	15	7
8	N.W. 27	26	26	N.W. 26	27	25	N.W. 25	26	26	25	650	27.1	30	24	8
9	W.N.W. 20	20	18	W.N.W. 20	20	20	W.N.W. 20	18	22	18	501	20.9	26	16	9
10	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	155	6.5	20	8	10
11	N.W. 35	36	37	N.W. 38	27	30	N.W. 35	25	22	24	588	24.5	38	6	11
12	N.W. 35	32	30	N.W. 30	23	23	W.N.W. 25	15	30	36	694	28.9	40	15	12
13	S.W. 10	10	12	S.W. 14	15	18	W.S.W. 16	16	15	16	412	19.2	30	10	13
14	W.N.W. 25	20	16	W.N.W. 20	20	18	W.N.W. 20	20	18	18	549	22.9	35	16	14
15	N.N.W. 8	0	0	S.E. 16	20	22	S.E. 24	25	26	20	374	15.6	26	0	15
16	W.N.W. 20	24	20	W.N.W. 20	24	22	W.N.W. 22	20	20	16	427	17.8	24	10	16
17	W.N.W. 17	18	24	N.W. 23	25	30	N.W. 30	30	30	26	495	20.6	30	14	17
18	N.W. 30	33	25	N.W. 26	27	28	W.N.W. 25	24	25	25	617	25.7	33	19	18
19	W.N.W. 24	25	26	W.N.W. 27	26	27	W.N.W. 28	27	28	26	577	24.6	28	20	19
20	W.S.W. 23	22	18	W.S.W. 20	18	13	W. 12	13	14	15	462	19.3	24	12	20
21	W.N.W. 16	16	15	W.N.W. 15	24	26	W.N.W. 22	20	22	23	440	18.3	26	15	21
22	N.W. 30	30	26	N.W. 25	26	20	W. 16	20	24	24	592	24.7	35	16	22
23	S.W. 13	14	10	S.W. 8	8	10	C. 0	4	4	0	392	16.3	27	0	23
24	W. 18	20	18	W.S.W. 18	15	15	W.S.W. 14	15	14	10	307	12.8	20	2	24
25	W.N.W. 15	15	14	W.N.W. 14	15	15	W.N.W. 14	13	15	15	331	13.8	16	6	25
26	C. 0	0	0	C. 0	0	0	N.W. 10	12	14	13	121	5.0	14	0	26
27	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	180	7.5	20	0	27
28	W.N.W. 8	12	14	N.W. 15	16	18	N.W. 16	20	15	12	265	11.0	20	0	28
29	W.S.W. 14	10	10	S.S.W. 8	7	13	S.S.W. 12	13	10	8	256	10.7	17	5	29
30	N.W. 18	23	18	W.N.W. 22	23	23	W.N.W. 23	22	18	18	343	14.3	23	0	30
Mean.	17.0	17.5	16.6	17.0	16.9	17.3	16.7	16.8	17.4	16.5	408.6	17.0	24.8	8.5	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1										
2	16	16	17	20	16	22	20	20	W.S.W.	20	16	23	W.	18	22	
3	20	16	10	8	8	16	17	15	S.	16	7	10	S.	11	8	
4	15	16	17	16	8	8	4	2	S.W.	7	0	0	C.	0	0	
5	0	0	0	0	0	0	0	0	C.	0	0	0	C.	0	0	
6	18	19	20	18	14	12	16	10	S.W.	8	6	6	S.W.	9	13	
7	10	8	15	10	6	10	0	10	S.W.	8	10	10	S.W.	8	10	
8	20	14	10	10	8	6	2	0	C.	0	5	2	W.	5	10	
9	13	14	8	6	6	9	8	10	W.	9	8	10	W.S.W.	12	8	
10	8	10	6	10	8	10	10	15	S.S.W.	17	12	10	S.S.W.	6	0	
11	20	24	25	25	26	27	26	25	S.	20	14	9	S.	6	17	
12	20	24	22	23	23	24	24	26	N.W.	25	20	20	W.N.W.	20	13	
13	0	6	12	16	15	15	16	20	W.	19	18	20	W.N.W.	20	15	
14	14	8	7	7	6	6	5	15	W.S.W.	15	16	18	W.S.W.	16	20	
15	20	20	20	15	17	19	20	21	W.	18	20	20	W.S.W.	16	35	
16	20	23	23	27	30	30	30	32	S.W.	34	35	35	S.W.	36	0	
17	18	12	10	10	8	8	6	5	W.N.W.	5	0	0	C.	0	0	
18	7	8	0	0	2	2	8	9	N.N.W.	15	20	20	N.N.W.	20	18	
19	20	20	20	19	21	20	24	25	W.	20	23	17	W.	19	17	
20	0	0	2	8	13	14	15	16	S.S.E.	17	18	19	S.S.E.	20	22	
21	16	16	20	16	18	16	16	15	S.S.W.	16	18	12	S.W.	12	10	
22	14	13	10	12	14	16	10	12	S.W.	14	10	10	S.W.	12	8	
23	20	22	12	13	12	12	0	20	N.W.	23	30	32	N.W.	32	30	
24	23	22	22	21	20	20	16	15	W:N.W.	18	16	20	W.N.W.	23	18	
25	16	17	17	18	17	18	15	16	N.W.	16	18	17	N.N.W.	18	18	
26	18	18	20	20	21	22	20	20	N.W.	18	17	14	N.W.	17	18	
27	6	0	0	0	7	10	10	15	N.W.	16	14	15	N.W.	12	14	
28	0	0	0	0	0	0	0	4	S.E.	12	18	26	S.E.	30	30	
29	0	8	0	8	0	0	0	5	W.	5	13	18	W.N.W.	22	20	
30	16	18	18	18	23	24	18	22	W.	25	20	20	W.	17	24	
31	10	10	10	8	12	13	10	2	C.	0	14	16	W.N.W.	24	23	
	14	8	5	0	0	9	9	9	W:N.W.	6	4	17	N.W.	12	25	
Mean.	13.3	13.2	12.2	12.3	15.2	13.2	12.6	13.7		14.3	14.2	15.0		15.3	15.2	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
1	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1										
2	14	10	8	6	0	0	0	0	C.	0	0	0	C.	0	0	
3	12	12	13	10	10	9	11	14	N.N.W.	15	10	15	N.	15	15	
4	19	16	24	26	25	25	20	21	W.N.W.	23	21	18	N.W.	21	24	
5	30	28	27	26	26	24	18	13	N.W.	11	10	12	N.W.	4	0	
6	0	0	0	5	0	0	0	0	S.W.	5	5	5	W.S.W.	5	4	
7	12	10	10	16	17	18	15	16	N:N.W.	10	10	12	W.N.W.	15	16	
8	0	0	0	0	0	0	0	0	S.E.	10	20	25	S.E.	28	30	
9	20	18	17	14	13	9	6	6	S.S.W.	12	10	10	S.W.	4	8	
10	8	8	5	6	5	10	0	0	C.	0	2	15	W.	18	20	
11	16	10	10	6	8	11	10	10	W...	10	5	8	W.	8	10	
12	14	7	8	8	14	16	18	16	W:N.W.	15	12	12	W:N.W.	11	15	
13	9	14	14	20	21	18	16	18	W.N.W.	21	25	25	W.N.W.	24	18	
14	30	35	35	34	30	26	24	20	W.N.W.	26	23	23	W.N.W.	23	18	
15	0	0	0	0	0	4	5	5	C.	0	0	0	C.	0	4	
16	10	10	10	15	18	15	20	21	W.	20	20	20	W.	22	25	
17	10	15	10	10	8	8	10	10	S.W.	9	15	10	W.S.W.	15	15	
18	24	21	20	18	30	25	23	25	W:N.W.	20	18	15	W.S.W.	10	15	
19	5	0	0	0	5	5	5	5	S.W.	3	0	0	C.	0	0	
20	5	0	5	10	16	17	22	28	W.N.W.	30	26	28	W.N.W.	32	30	
21	30	30	30	30	30	30	30	30	W.N.W.	30	26	28	W.N.W.	33	24	
22	0	9	4	3	5	0	4	15	W.S.W.	14	7	7	W.S.W.	4	0	
23	0	0	0	0	5	6	0	0	S.	7	9	9	S.S.W.	10	16	
24	5	11	11	5	6	13	15	12	W.	12	14	14	W.N.W.	14	14	
25	15	16	16	18	19	20	21	22	W.N.W.	24	25	26	W.N.W.	23	20	
26	23	25	24	22	20	18	18	19	W.	15	15	15	W.	16	15	
27	10	10	10	11	9	5	6	7	W.	6	6	5	W.	4	5	
28	14	18	20	25	20	16	14	10	W.N.W.	18	18	18	N.N.W.	4	11	
29	28	30	30	30	29	28	26	26	W.N.W.	28	28	29	W.N.W.	19	16	
30	30	30	28	25	20	16	17	14	W.S.W.	15	14	13	W.S.W.	12	10	
	13.1	13.1	13.1	13.6	13.8	13.1	12.7	12.7		13.9	13.1	14.0		14.1	14.2	14.6
Mean.	13.1	13.1	13.1	13.6	13.8	13.1	12.7	12.7		13.9	13.1	14.0		14.1	14.2	14.6

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —WIND VELOCITY—continued.

MAY, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	W. 22	20	20	W. 20	16	15	S.W. 15	16	15	m.p.h.	441	18·4	22	15	1
2	S. 6	8	7	C. 0	2	8	W. 10	16	15	m.p.h.	260	10·8	20	0	2
3	C. 0	0	0	C. 0	0	0	C. 0	0	0	m.p.h.	93	3·9	17	0	3
4	W.N.W. 10	13	13	W.N.W. 7	0	0	N.W. 6	8	13	m.p.h.	90	3·7	14	0	4
5	W.S.W. 13	13	14	W.S.W. 6	10	13	S.W. 10	4	13	m.p.h.	283	11·8	20	6	5
6	S.W. 6	5	0	N.W. 6	11	13	N.W. 15	13	17	m.p.h.	229	9·5	20	0	6
7	W.N.W. 14	13	14	N.W. 15	16	15	N.N.W. 16	10	10	m.p.h.	243	10·2	20	0	7
8	S.S.W. 18	19	20	S. 19	10	15	S.W. 16	8	12	m.p.h.	279	11·6	20	6	8
9	S. 3	8	10	S. 14	10	15	S. 18	20	18	m.p.h.	270	11·3	20	0	9
10	S. 16	15	10	S. 5	7	0	C. 0	0	0	m.p.h.	334	13·9	27	0	10
11	W.N.W. 13	13	20	W.N.W. 22	24	24	N.W. 24	23	24	m.p.h.	507	21·1	26	13	11
12	W. 12	16	16	W.S.W. 14	16	15	W. 20	24	20	m.p.h.	383	16·0	24	0	12
13	W. 15	14	14	W.N.W. 15	14	16	W.N.W. 15	16	15	m.p.h.	328	13·7	20	6	13
14	W.S.W. 36	34	30	S.W. 30	18	16	S.S.W. 15	14	16	m.p.h.	525	21·9	40	14	14
15	C. 0	0	6	N.W. 10	13	16	N.W. 15	15	14	m.p.h.	454	18·9	36	0	15
16	C. 0	0	0	W.S.W. 10	10	7	W. 8	7	10	m.p.h.	148	6·2	18	0	16
17	N.N.W. 20	16	16	N. 16	20	18	N.W. 16	17	19	m.p.h.	323	13·5	20	0	17
18	W. 16	12	8	W. 2	0	2	C. 0	0	0	m.p.h.	320	13·3	25	0	18
19	S.S.E. 23	24	24	S.S.E. 25	24	22	S. 20	20	18	m.p.h.	401	16·7	25	0	19
20	S.S.W. 10	10	20	S.W. 11	14	12	S.W. 15	15	16	m.p.h.	358	14·9	20	10	20
21	S.W. 9	7	4	W.S.W. 6	2	12	W.N.W. 15	16	19	m.p.h.	273	11·4	20	2	21
22	W. 25	20	22	W. 24	24	22	W. 24	22	24	m.p.h.	517	21·5	32	0	22
23	W.N.W. 22	25	26	W. 15	15	16	N.W. 18	8	16	m.p.h.	448	18·7	26	8	23
24	N.N.W. 24	25	25	N.N.W. 24	19	18	N.W. 20	18	16	m.p.h.	448	18·7	25	15	24
25	N.W. 17	15	15	N.W. 13	6	4	N.N.W. 4	0	7	m.p.h.	355	14·8	22	0	25
26	N.W. 4	0	0	N.W. 6	5	0	C. 0	0	0	m.p.h.	146	6·1	16	0	26
27	S.E. 35	34	35	S.E. 28	26	22	S. 8	10	8	m.p.h.	362	15·1	35	0	27
28	W.S.W. 10	10	10	S.W. 5	4	0	S.W. 6	10	6	m.p.h.	185	7·7	22	0	28
29	W. 30	26	20	S. 15	10	10	S.S.W. 10	6	14	m.p.h.	442	18·4	30	6	29
30	N.W. 20	20	18	W. 16	20	18	W. 16	16	16	m.p.h.	353	14·7	25	0	30
31	N.W. 26	15	15	W. 16	14	15	W. 13	14	15	m.p.h.	295	12·3	26	0	31
Mean.	15·3	14·5	14·6	13·4	12·3	12·2	12·5	11·8	13·1	13·4	325·6	13·6	23·6	3·3	Mean.

JUNE, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	C. 0	4	10	N.N.W. 12	13	14	N.N.W. 12	13	14	m.p.h.	145	6·0	15	0	1
2	N. 14	17	16	N. 17	16	17	N. 16	16	15	m.p.h.	336	14·0	17	9	2
3	N.W. 28	26	29	N.N.W. 30	34	35	N.N.W. 35	34	35	m.p.h.	630	26·3	35	16	3
4	C. 0	0	0	C. 0	0	0	C. 0	0	0	m.p.h.	229	9·5	30	0	4
5	S.S.W. 8	0	9	C. 0	0	0	W. 5	3	10	m.p.h.	84	3·5	13	0	5
6	N.W. 12	12	15	W.N.W. 16	6	4	C. 0	0	0	m.p.h.	266	11·1	19	0	6
7	S.S.E. 30	35	38	S.S.E. 36	35	35	S. 34	26	27	m.p.h.	465	19·4	38	0	7
8	W. 5	10	6	S. 16	10	16	S. 20	20	18	m.p.h.	301	12·5	20	4	8
9	S.W. 13	14	15	S.W. 8	10	10	S. 10	10	16	m.p.h.	236	9·8	20	0	9
10	W. 10	8	10	W. 15	12	13	W.N.W. 13	14	18	m.p.h.	265	11·0	18	5	10
11	W.S.W. 16	16	10	W.S.W. 10	16	15	W.S.W. 10	8	10	m.p.h.	302	12·6	16	7	11
12	W. 15	14	15	W.N.W. 14	17	8	N.W. 16	18	26	m.p.h.	432	18·0	30	8	12
13	W.N.W. 18	16	14	W. 16	15	6	S. 6	4	0	m.p.h.	461	19·2	35	0	13
14	W.N.W. 16	16	15	W.S.W. 15	16	16	W. 14	14	14	m.p.h.	175	7·3	16	0	14
15	W. 22	25	18	W.S.W. 16	10	8	S.S.W. 9	11	9	m.p.h.	390	16·3	26	8	15
16	N.W. 18	30	30	W.N.W. 25	24	23	W.N.W. 25	25	26	m.p.h.	415	17·3	30	8	16
17	S. 19	14	15	S. 12	5	6	S.W. 3	4	0	m.p.h.	371	15·6	30	0	17
18	C. 0	0	0	C. 0	0	0	C. 0	0	0	m.p.h.	33	1·4	5	0	18
19	W.N.W. 30	30	32	W.N.W. 30	28	25	W.N.W. 26	25	26	m.p.h.	555	13·1	32	0	19
20	W.N.W. 25	26	24	W. 23	18	20	W. 18	10	11	m.p.h.	589	24·5	33	9	20
21	C. 0	0	0	C. 0	0	0	C. 0	0	0	m.p.h.	72	3·0	14	0	21
22	W.S.W. 14	12	13	W.S.W. 10	0	14	W.S.W. 8	9	7	m.p.h.	171	7·1	16	0	22
23	W.N.W. 14	13	18	W.N.W. 19	17	16	W. 16	14	15	m.p.h.	316	13·2	19	5	23
24	W.N.W. 24	25	20	W. 19	19	20	W. 19	19	20	m.p.h.	496	20·7	26	15	24
25	W.S.W. 14	10	6	S.W. 6	0	10	W. 10	10	11	m.p.h.	352	14·7	25	0	25
26	W. 4	3	4	C. 0	4	6	C. 0	0	0	m.p.h.	128	5·3	11	0	26
27	N.N.W. 16	15	15	N.W. 16	18	24	N.W. 20	16	20	m.p.h.	221	9·2	24	0	27
28	W.N.W. 18	18	19	W.N.W. 20	20	20	W.N.W. 24	24	25	m.p.h.	455	19·0	25	10	28
29	W.N.W. 26	24	24	W.N.W. 26	26	28	N.W. 30	30	32	m.p.h.	669	27·9	33	24	29
30	W.S.W. 8	7	7	W. 4	0	4	W. 5	10	10	m.p.h.	323	13·5	30	0	30
Mean.	14·6	14·7	14·9	14·3	12·9	13·8	13·6	12·9	13·8	15·1	329·4	13·7	28·4	4·3	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
1	8	13	13	13	14	9	15	W.	14	12	16	W.N.W.	15	16	18
2	29	28	27	28	30	32	28	N.W.	26	27	25	N.W.	27	22	24
3	30	30	27	21	19	33	35	N.W.	43	45	45	N.W.	46	51	49
4	21	17	20	19	11	20	20	W.S.W.	10	11	16	S.W.	12	13	15
5	11	11	12	4	3	12	17	N.W.	23	26	31	N.W.	30	28	32
6	30	28	28	21	25	25	25	W.N.W.	27	27	26	W.N.W.	26	28	29
7	27	30	29	29	33	34	35	N.W.	36	37	36	N.N.W.	37	39	33
8	12	10	9	11	14	7	6	S.S.E.	13	10	13	S.S.W.	11	12	12
9	0	5	13	0	5	11	6	W.S.W.	8	0	7	C.	0	0	13
10	20	20	18	18	18	21	20	C.	0	0	0	W.	6	6	11
11	18	17	16	16	16	18	18	N.	25	27	28	N.W.	29	29	11
12	15	23	23	22	26	25	25	W.N.W.	30	25	20	W.N.W.	16	9	12
13	0	0	0	0	0	11	13	N.W.	14	18	14	N.W.	17	20	25
14	29	28	31	34	26	24	26	W.	34	31	33	W.S.W.	33	32	14
15	18	19	20	21	24	20	13	S.W.	5	0	0	W.	6	0	15
16	0	0	0	0	0	0	0	C.	0	13	12	W.N.W.	12	13	10
17	10	8	0	0	0	0	0	C.	0	0	0	C.	0	0	9
18	0	0	0	0	0	0	0	C.	0	0	0	C.	0	0	18
19	0	0	0	0	0	0	0	N.W.	17	13	0	N.N.W.	11	14	19
20	20	14	16	8	12	13	13	S.	14	9	12	S.	8	9	20
21	14	9	0	0	0	0	0	C.	0	0	0	C.	0	0	21
22	14	7	0	0	10	9	11	W.N.W.	15	17	20	N.W.	23	22	26
23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23
24	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
25	17	20	25	10	10	13	15	S.W.	10	10	8	S.S.W.	0	10	9
26	9	8	0	4	0	0	0	C.	0	0	0	C.	0	6	7
27	12	15	17	27	20	23	24	W.	22	23	23	W.S.W.	25	18	15
28	14	15	13	14	10	12	15	N.W.	20	20	22	W.N.W.	22	17	28
29	0	0	0	15	19	18	18	N.W.	18	23	23	N.W.	22	23	29
30	18	17	18	18	17	16	15	N.N.W.	14	10	5	C.	0	0	30
31	11	12	13	13	11	0	0	C.	0	0	4	C.	0	0	31
Mean.	14.0	14.0	13.4	12.6	12.8	14.2	14.0	14.1	15.1	15.0	15.1	15.3	15.1	16.1	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
1	0	0	4	1	2	4	8	E.N.E.	1	11	6	N.E.	11	15	10	
2	13	19	19	18	19	20	18	N.N.W.	12	12	15	N.	14	10	2	
3	21	25	19	17	16	22	14	N.N.W.	26	26	39	N.N.W.	43	47	3	
4	24	22	22	20	18	18	12	N.N.W.	12	12	12	N.N.W.	12	13	9	
5	16	5	4	5	4	2	7	W.N.W.	11	11	9	W.	8	5	4	
6	9	6	3	2	8	10	11	E.	12	12	2	N.E.	7	15	6	
7	16	5	1	6	23	28	29	N.W.	26	20	15	C.	0	0	7	
8	16	17	15	18	19	19	18	N.W.	18	17	17	N.W.	15	16	14	
9	0	0	0	0	13	16	19	N.W.	18	19	19	N.W.	17	14	9	
10	0	0	0	0	0	0	0	N.	4	2	0	C.	0	0	10	
11	8	8	8	5	5	0	0	C.	0	0	0	C.	0	0	11	
12	9	14	15	16	15	17	17	...	...	...	...	...	...	...	12	
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	
14	15	9	15	9	16	20	19	W.	18	18	17	W.N.W.	20	18	14	
15	15	13	16	14	13	10	7	8	N.W.	14	16	18	N.W.	19	22	15
16	28	26	26	28	24	22	26	N.W.	22	20	24	N.W.	21	21	16	
17	21	18	19	11	18	22	17	N.N.W.	23	25	27	N.W.	24	14	17	
18	27	27	28	25	26	28	29	N.W.	29	13	15	N.W.	15	14	18	
19	20	21	23	24	23	25	25	N.W.	24	22	20	N.W.	21	20	19	
20	21	22	25	28	30	30	32	N.W.	31	30	27	N.W.	29	26	20	
21	24	22	22	23	24	25	28	N.N.W.	28	18	13	S.	13	21	21	
22	4	1	0	0	0	0	0	C.	0	2	6	S.W.	1	3	22	
23	7	10	12	13	15	16	15	N.W.	17	17	16	S.S.E.	16	10	8	
24	5	10	7	10	13	10	10	11	S.W.	5	19	18	S.W.	11	10	23
25	9	10	14	10	9	10	8	C.	0	2	4	W.N.W.	7	12	25	
26	12	15	13	20	14	18	15	14	W.N.W.	17	20	20	N.W.	15	13	26
27	24	22	20	19	19	20	21	N.N.W.	23	23	22	N.W.	22	22	27	
28	15	17	13	13	6	10	0	4	C.	0	0	0	C.	0	7	28
29	30	30	27	28	27	26	25	N.W.	26	22	27	N.W.	27	29	29	
30	20	22	15	13	17	20	22	N.W.	24	25	24	W.	23	2	30	
31	7	6	8	4	5	4	3	0	S.S.W.	9	5	0	C.	0	0	31
Mean.*	14.7	14.0	13.6	13.2	14.7	15.6	15.1	16.0	15.5	15.1	14.8	14.2	13.7	12.8	Mean.	

\* Mean of the 29 complete days.

## —WIND VELOCITY—continued.

JULY, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	N.W. 15	20	19	N.W. 20	22	19	N.N.W. 20	17	24	25	360	16.2	25	8	1
2	W.N.W. 29	27	27	W.N.W. 24	25	28	W.N.W. 31	30	22	30	650	27.1	32	22	2
3	N.W. 49	44	34	W. 27	19	10	W. 17	14	13	15	754	31.4	51	10	3
4	S.W. 8	15	12	S.W. 6	12	8	S.W. 9	8	16	13	334	13.9	22	6	4
5	N.W. 37	35	36	N.N.W. 35	35	37	N.W. 29	25	26	32	587	24.5	37	3	5
6	W.N.W. 29	27	30	W.N.W. 20	20	20	N.W. 21	24	29	28	613	25.5	30	20	6
7	W.N.W. 25	24	28	W.N.W. 24	23	15	W.N.W. 17	13	15	14	659	27.5	39	13	7
8	S.S.W. 9	9	10	S.S.W. 15	13	12	S.W. 12	6	0	3	234	9.7	15	0	8
9	C. 0	0	6	W. 12	13	15	W.N.W. 17	20	20	20	198	8.2	20	0	9
10	W.N.W. 11	12	14	N.W. 13	17	17	N.W. 17	17	20	20	316	13.2	21	0	10
11	N.W. 25	29	25	N.W. 27	17	0	N.W. 10	0	12	0	473	19.7	46	0	11
12	C. 0	0	0	C. 0	0	0	C. 0	0	3	0	290	12.1	30	0	12
13	N.W. 25	24	25	N.N.W. 26	30	21	W. 29	28	23	21	397	16.5	30	0	13
14	W. 32	25	30	W.S.W. 25	22	17	W. 18	19	16	13	639	26.6	35	13	14
15	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	153	6.4	24	0	15
16	C. 0	0	0	W.N.W. 11	12	13	N.W. 14	16	16	13	155	6.5	16	0	16
17	N.E. 3	0	0	N. 5	0	0	C. 0	0	0	0	35	1.5	10	0	17
18	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	0	0	0	0	18
19	N.N.E. 18	19	19	N.N.E. 20	20	20	N.N.E. 22	23	24	23	279	11.6	24	0	19
20	S. 9	17	17	S.S.E. 22	22	22	S. 21	20	15	15	349	14.5	22	8	20
21	C. 0	6	0	C. 0	0	0	C. 0	8	13	14	64	2.7	14	0	21
22	N.W. 29	24	19	W. 17	18	22	W.S.W. 26	23	17	22	406	16.9	29	0	22
23	.....	...	...	.....	...	...	.....	...	...	...	...	...	...	...	23
24	.....	...	...	.....	...	...	.....	...	...	...	...	...	...	...	24
25	S.S.W. 9	14	19	S. 15	10	12	S. 7	7	8	7	290	12.1	25	7	25
26	N. 6	6	6	N.N.W. 10	10	11	N.W. 15	13	16	14	141	5.9	16	0	26
27	S.W. 7	11	9	S. 17	22	17	S. 7	3	0	3	382	15.9	25	0	27
28	W. 15	16	15	W. 14	13	11	W.N.W. 12	5	6	6	341	14.2	22	5	28
29	N.W. 24	20	21	N.W. 16	20	15	N.W. 16	14	15	17	398	16.6	24	0	29
30	C. 0	0	0	C. 0	3	0	S.S.E. 2	7	9	9	193	8.0	18	0	30
31	N.N.W. 8	0	0	W.N.W. 7	7	0	C. 0	0	0	0	86	3.6	13	0	31
Mean.	14.6	14.6	14.5	14.8	14.7	12.5	13.4	12.4	13.0	13.0	338.2	14.1	24.7	4.0	Mean.

AUG., 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	N. 10	16	5	N. 8	12	13	N. 13	15	15	15	196	8.2	16	0	1
2	N. 7	9	10	N. 8	14	18	N.N.W. 18	18	19	18	342	14.2	20	0	2
3	N.W. 37	33	32	N.W. 32	28	33	N.W. 29	28	25	26	680	28.3	47	14	3
4	N.W. 9	0	0	C. 0	0	0	C. 0	0	0	10	238	9.9	24	0	4
5	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	92	3.8	16	0	5
6	N.N.W. 14	12	14	N.N.W. 13	13	14	N.N.W. 16	16	9	15	258	10.7	16	2	6
7	N.W. 8	0	5	N.W. 10	11	9	N.N.W. 8	10	12	17	287	12.0	29	0	7
8	W.N.W. 16	15	14	W. 15	15	9	W.N.W. 9	10	8	0	347	14.5	19	0	8
9	N.W. 8	0	0	C. 0	0	0	C. 0	0	0	0	176	7.3	20	0	9
10	C. 0	0	3	N.W. 2	8	7	N.W. 8	10	4	7	65	2.7	10	0	10
11	C. 0	16	20	S.S.E. 16	16	16	S. 12	9	10	11	160	6.7	20	0	11
12	.....	...	...	.....	...	...	.....	...	...	...	...	...	...	...	12
13	W.N.W. 16	17	18	W. 18	16	17	W.N.W. 18	13	14	16	397	16.5	22	9	14
15	N.W. 18	18	20	N.W. 20	25	26	N.W. 24	25	22	26	427	17.8	26	7	15
16	N.W. 20	20	18	N.N.W. 18	18	19	N.N.W. 18	17	19	22	526	21.9	28	17	16
17	N.W. 5	8	13	N.W. 14	15	14	N.W. 18	19	22	25	424	17.7	27	5	17
18	N.W. 11	9	10	N.W. 5	0	6	N.W. 3	2	5	12	379	15.8	30	0	18
19	N.W. 20	17	18	N.W. 18	18	19	N.N.W. 20	21	20	22	407	20.7	25	17	19
20	N.W. 28	24	21	N.W. 20	21	25	N.N.W. 25	23	24	27	626	26.1	32	20	20
21	S.S.E. 16	12	0	S. 5	3	6	S. 5	6	6	5	371	15.5	29	0	21
22	C. 0	0	0	C. 0	0	0	C. 0	0	0	5	22	0.9	6	0	22
23	S.S.W. 7	10	8	S. 12	4	12	S.S.W. 10	12	15	15	293	12.2	17	4	23
24	S.W. 13	14	24	W.S.W. 15	25	5	W.S.W. 6	10	7	10	283	11.8	25	5	24
25	W.N.W. 15	16	14	W.N.W. 15	13	14	W.N.W. 14	15	13	13	267	11.1	16	0	25
26	N.N.W. 17	15	13	N.N.W. 10	14	14	N.N.W. 15	17	23	24	382	15.9	24	12	26
27	N.W. 24	19	19	N.W. 20	22	20	W. 25	20	15	16	502	20.9	25	15	27
28	N.W. 17	17	20	N.W. 23	24	25	N.W. 25	24	27	28	329	13.7	28	0	28
29	N.W. 23	20	17	N.W. 15	13	18	N.W. 20	18	18	18	556	23.2	30	13	29
30	S. 22	16	14	S. 9	8	12	S. 7	6	6	10	375	15.7	25	2	30
31	W. 2	2	3	W. 4	15	5	W. 15	15	18	21	161	6.3	21	0	31
Mean.	13.2	12.3	12.2	12.0	12.8	12.9	13.1	13.1	13.0	14.6	332.7	13.9	23.2	4.9	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.										
1	10	7	10	9	12	13	18	20	N.W.	20	23	25	N.W.	23	22
2	28	30	30	28	30	30	28	W.	26	21	16	W.S.W.	20	11	16
3	8	9	10	10	10	12	13	6	W.S.W.	14	15	14	W.	15	14
4	25	19	20	11	8	5	7	S.E.	5	15	20	S.E.	22	22	23
5	10	10	9	10	10	9	11	W.S.W.	11	9	9	W.	13	15	14
6	13	7	5	7	9	6	9	N.	15	6	18	N.W.	20	21	21
7	31	36	34	40	38	38	40	W.	45	45	42	W.	39	34	35
8	20	15	15	14	9	2	3	S.W.	1	1	0	C.	0	0	6
9	6	6	6	7	6	0	0	N.W.	7	1	5	N.	8	3	8
10	19	17	15	7	0	0	0	S.S.W.	7	9	11	S.W.	10	10	9
11	8	12	10	21	14	10	15	S.W.	1	11	7	W.	19	18	18
12	34	35	37	37	35	24	28	W.S.W.	26	20	14	S.W.	20	16	11
13	8	15	15	7	13	10	15	W.	7	10	10	W.	9	12	12
14	5	7	2	0	4	5	0	N.E.	8	6	3	C.	0	4	7
15	13	10	10	12	5	6	18	N.W.	19	20	17	N.W.	17	16	14
16	20	19	20	18	21	25	3	S.S.W.	9	2	3	S.	3	13	16
17	10	6	4	4	3	0	6	S.E.	10	9	10	C.	0	0	17
18	20	25	24	26	25	18	13	W.N.W.	9	13	20	W.N.W.	19	20	18
19	36	37	37	35	36	32	32	N.W.	31	30	24	N.W.	28	26	19
20	25	24	23	23	6	0	0	C.	0	0	0	C.	0	0	20
21	4	5	0	0	0	0	0	W.N.W.	16	18	18	W.N.W.	17	25	21
22	24	30	23	19	23	26	22	W.N.W.	26	26	25	N.W.	30	33	22
23	17	19	25	26	26	23	27	N.W.	23	24	24	N.W.	23	22	23
24	20	20	20	19	21	24	23	N.W.	19	18	20	N.W.	20	21	20
25	18	18	15	14	16	16	16	W.N.W.	17	16	17	N.W.	13	13	25
26	0	2	0	0	3	9	4	N.N.E.	16	17	18	N.N.E.	15	19	26
27	15	16	13	14	15	16	18	W.N.W.	15	11	11	W.	2	10	27
28	18	17	18	15	15	19	17	N.N.W.	25	30	34	N.W.	22	22	28
29	22	27	24	25	27	18	11	W.N.W.	20	24	17	N.W.	16	33	29
30	19	17	20	20	20	23	24	W.N.W.	25	24	17	W.N.W.	25	24	30
Mean.	16.9	17.2	16.5	15.9	15.3	14.0	14.1	14.8	15.8	15.8	15.6	15.6	16.7	16.9	Mean.

## MACQUARIE ISLAND.

Date.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.										
1	14	13	16	12	20	19	23	W.	18	21	19	W.	23	24	1
2	4	0	7	11	9	7	9	S.W.	9	7	24	S.W.	18	4	2
3	20	22	24	23	26	27	29	W.N.W.	32	29	28	W.N.W.	27	31	3
4	14	15	15	16	15	15	15	W.N.W.	14	13	15	W.N.W.	14	13	4
5	25	22	23	24	23	21	20	N.W.	22	24	21	N.W.	23	23	5
6	32	33	32	33	29	30	29	N.W.	27	22	23	N.W.	24	27	6
7	7	7	12	14	16	11	12	C.	0	19	18	N.N.W.	19	23	7
8	28	24	29	15	18	20	12	W.N.W.	20	19	22	N.W.	19	18	8
9	12	17	14	17	15	17	19	N.W.	22	30	30	N.W.	29	26	9
10	33	31	30	27	26	26	26	N.W.	24	21	20	N.W.	23	22	10
11	34	30	29	22	26	27	27	W.	21	22	23	W.	20	27	11
12	27	26	26	25	25	26	26	W.N.W.	20	17	17	W.N.W.	17	16	12
13	17	20	17	15	11	14	13	W.N.W.	16	13	13	W.N.W.	14	14	13
14	10	8	9	3	12	4	6	N.	6	10	9	N.	10	11	14
15	22	23	24	26	24	25	25	N.N.E.	25	25	21	N.N.E.	15	15	15
16	0	2	16	15	13	2	0	N.N.E.	21	18	18	N.N.E.	18	16	16
17	24	24	18	18	17	13	12	W.S.W.	9	15	11	W.	9	7	17
18	18	14	13	8	10	9	11	W.N.W.	7	8	14	N.W.	15	17	17
19	21	22	26	27	21	22	20	W.	18	24	23	W.	22	23	18
20	23	24	25	26	26	29	30	N.W.	32	33	34	N.W.	33	34	20
21	24	25	18	7	14	8	12	W.N.W.	10	15	3	N.W.	34	32	21
22	24	20	17	21	20	22	20	W.N.W.	18	16	17	W.N.W.	19	22	22
23	27	27	29	32	32	34	34	N.W.	35	22	22	W.N.W.	22	22	23
24	25	20	19	18	20	19	16	W.	20	15	20	W.N.W.	20	21	24
25	21	27	24	22	24	24	24	W.S.W.	20	23	22	W.	28	30	25
26	23	22	24	25	25	25	25	W.S.W.	24	25	24	W.	17	21	26
27	14	30	25	24	20	20	23	W.N.W.	25	23	22	W.	24	17	27
28	20	7	12	13	10	13	14	W.	13	7	12	W.S.W.	16	24	28
29	19	17	23	22	20	16	18	W.	10	15	13	W.	12	12	29
30	20	19	18	20	22	20	15	N.W.	15	12	13	N.W.	13	13	30
31	0	7	0	4	0	7	11	S.E.	15	16	18	S.E.	19	18	31
Mean.	19.4	19.3	19.8	19.3	18.9	18.5	18.9	18.7	18.3	18.7	19.0	19.9	20.1	20.4	Mean.

## METEOROLOGY—MACQUARIE ISLAND STATION.

325

—WIND VELOCITY—continued.

SEPTEMBER, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	N.W. 27	30	19	W.N.W. 24	24	25	W. 32	30	36	34	515	21·5	36	7	1
2	W.S.W. 15	14	11	W.S.W. 10	14	11	W.S.W. 16	10	13	9	465	19·4	30	9	2
3	N.W. 20	23	27	N.W. 31	31	27	N.W. 26	26	25	24	428	17·8	31	6	3
4	S.S.E. 28	16	18	S. 17	9	10	S.S.W. 7	6	6	10	335	14·0	28	5	4
5	W. 14	8	7	S.W. 3	0	0	W.N.W. 2	0	2	3	188	7·8	15	0	5
6	N.W. 22	20	19	N.W. 20	20	27	N. 14	27	30	30	397	16·5	30	5	6
7	W. 38	39	31	W. 35	30	23	W. 25	23	20	19	825	34·4	45	19	7
8	S.S.E. 5	6	5	S.S.E. 13	14	14	S. 3	6	1	0	159	6·6	20	0	8
9	E.S.E. 6	1	6	N.N.W. 6	9	23	N.W. 19	26	27	26	211	8·8	27	0	9
10	S.W. 15	16	17	S.W. 12	24	22	S.W. 13	14	14	16	279	11·6	24	0	10
11	W.N.W. 21	26	31	N.W. 34	31	33	N.W. 35	35	24	36	485	20·2	36	1	11
12	S.W. 11	9	6	S.W. 13	7	7	S.W. 10	8	13	9	455	19·0	37	6	12
13	W. 5	11	5	C. 0	3	3	W.N.W. 13	8	2	12	217	9·0	15	0	13
14	E. 7	8	10	E. 9	8	10	E. 10	10	3	7	133	5·5	10	0	14
15	N.N.W. 17	17	18	N.N.W. 20	18	18	N.N.W. 20	18	18	20	383	16·0	20	5	15
16	S. 11	10	5	S. 9	6	2	C. 0	2	6	6	226	9·4	25	0	16
17	C. 0	0	0	W. 2	10	10	W.N.W. 15	17	26	20	172	7·2	26	0	17
18	N.W. 23	26	27	N.W. 30	31	32	N.W. 35	38	35	36	574	24·0	38	8	18
19	N.W. 26	26	29	N.W. 24	26	29	N.N.W. 28	27	27	29	710	29·6	37	24	19
20	C. 0	0	0	C. 0	0	0	C. 0	0	3	4	108	4·5	25	0	20
21	N.W. 24	29	30	N.W. 21	28	24	W.N.W. 26	23	28	28	397	16·5	30	0	21
22	N.W. 35	35	34	N.W. 27	24	19	N.W. 18	17	15	17	603	25·1	35	15	22
23	N.W. 25	23	21	N.W. 21	20	21	W.N.W. 17	20	20	22	534	22·2	27	17	23
24	N.W. 22	18	20	N.W. 19	21	18	N.W. 17	16	22	17	476	15·6	24	16	24
25	N.W. 12	8	6	N.W. 8	13	13	N.N.W. 14	10	3	4	315	13·1	20	3	25
26	N.N.E. 18	20	17	N.N.E. 15	21	15	N. 12	14	11	14	292	12·2	21	0	26
27	N.N.W. 15	13	14	W. 16	16	20	W. 19	16	18	17	351	14·6	20	2	27
28	N.W. 16	15	23	N.N.W. 26	34	33	W. 24	23	23	23	533	22·2	34	15	28
29	S.W. 12	20	19	W.S.W. 24	23	16	W.S.W. 15	17	20	15	487	20·3	33	11	29
30	N.W. 26	20	21	N.W. 26	25	26	N.N.W. 23	23	20	12	527	22·0	26	12	30
Mean.	17·2	16·9	16·6	17·2	18·0	17·7	16·9	17·0	17·0	17·3	392·7	16·4	27·6	6·2	Mean.

OCTOBER, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	W.N.W. 20	22	22	W. 18	24	21	S.W. 20	1	4	7	420	17·5	24	1	1
2	W.S.W. 24	10	22	W.S.W. 20	10	7	W.S.W. 20	24	22	18	308	12·8	24	0	2
3	W.N.W. 29	22	20	W. 20	20	16	W. 15	13	13	13	559	23·3	32	13	3
4	W.N.W. 13	11	12	W.N.W. 12	16	17	W.N.W. 18	20	20	22	363	15·1	22	11	4
5	N.W. 27	28	26	N.W. 35	30	30	N.W. 31	28	32	34	620	25·8	35	20	5
6	N.W. 23	21	17	N.W. 18	12	18	W. 16	16	11	10	558	23·3	33	10	6
7	N.N.W. 21	25	26	N.N.W. 27	28	28	N. 27	32	32	27	454	18·9	32	0	7
8	W.N.W. 19	18	16	W.N.W. 16	10	10	W. 15	10	15	18	437	18·2	29	10	8
9	N.W. 28	28	27	N.W. 27	28	32	N.W. 32	31	32	32	595	24·8	32	12	9
10	N.W. 34	31	35	N.W. 34	36	36	W.N.W. 38	43	45	42	740	30·8	45	20	10
11	W. 21	20	23	W.N.W. 23	23	23	W.N.W. 25	25	26	27	590	24·6	34	19	11
12	W.N.W. 17	17	14	W. 15	16	11	W. 10	11	9	16	444	18·5	27	9	12
13	N.W. 13	13	11	N.W. 11	2	3	W.N.W. 2	4	10	7	284	11·8	20	2	13
14	N. 15	17	19	N. 24	25	23	N. 25	23	23	23	334	13·9	25	3	14
15	N.N.E. 18	17	20	N. 19	14	9	N. 9	0	0	0	417	17·4	26	0	15
16	N. 7	10	11	S. 12	21	10	S.S.W. 10	17	15	25	308	12·8	25	0	16
17	C. 0	0	5	W. 12	9	9	W. 15	17	18	20	302	12·5	24	0	17
18	N.N.W. 23	24	26	N.W. 30	19	20	W.N.W. 20	21	26	19	403	16·8	30	8	18
19	W. 19	17	19	W.N.W. 19	17	13	W.N.W. 15	14	16	25	479	19·9	27	13	19
20	N.W. 29	35	32	W. 29	26	27	S.S.W. 25	25	25	24	686	28·6	35	23	20
21	N.N.W. 23	28	30	W.N.W. 20	23	25	W.S.W. 22	21	22	22	487	20·3	34	3	21
22	N.W. 24	22	26	N.W. 25	26	26	N.W. 26	30	28	24	529	22·0	30	13	22
23	W. 21	24	19	W. 20	18	22	W. 23	25	23	22	611	25·4	35	18	23
24	W.N.W. 19	14	22	W.N.W. 15	17	14	W.N.W. 20	21	17	19	450	18·7	25	14	24
25	N.W. 33	30	31	N.W. 29	30	25	W. 21	21	29	26	618	25·7	33	21	25
26	W.N.W. 24	26	28	N.W. 26	26	30	N.W. 30	30	32	21	601	25·0	32	17	26
27	W. 17	19	15	N.W. 8	0	0	C. 0	20	22	26	435	18·1	30	0	27
28	W.S.W. 23	23	17	W.S.W. 18	18	16	W.S.W. 18	22	22	19	396	16·5	25	7	28
29	N.W. 12	11	12	W.N.W. 8	13	12	W. 18	21	20	19	371	15·5	23	8	29
30	N.W. 14	11	11	C. 0	0	5	C. 0	6	0	0	275	11·5	22	0	30
31	S.E. 19	20	19	S.E. 20	17	16	S.S.E. 15	14	15	14	318	13·2	20	0	31
Mean.	20·5	19·8	20·4	19·7	18·5	17·9	18·7	19·5	20·1	20·0	464·3	19·3	28·7	8·9	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.	1 a.m.	2 a.m.	3 a.m. <sup>+</sup>	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	Date.	
	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	
1	13	11	10	10	5	7	12	13	S.S.E.	12	12	5	S.S.E.	5	1	
2	0	9	3	5	4	10	7	0	W.	2	0	0	W.N.W.	8	2	
3	0	0	0	0	0	2	5	8	N.	7	8	16	N.	15	3	
4	0	0	0	0	0	2	6	N.N.E.	5	10	8	N.W.	15	17	4	
5	7	7	3	5	1	10	17	19	S.	23	25	24	S.S.E.	27	5	
6	30	28	26	28	26	25	25	26	S.E.	26	28	25	S.S.E.	24	6	
7	20	24	20	22	21	19	12	12	S.	16	15	16	S.	14	7	
8	7	8	7	15	16	15	15	19	W.	19	21	22	W.	22	8	
9	24	25	24	24	22	19	19	25	W.	22	20	19	W.N.W.	26	9	
10	20	18	18	13	17	17	18	22	W.S.W.	20	17	3	S.W.	9	10	
11	5	7	6	10	8	8	7	10	W.	10	10	17	W.	18	11	
12	17	17	10	8	8	8	8	8	S.S.W.	8	9	8	C.	0	12	
13	13	12	16	14	16	18	17	17	W.	15	15	13	W.N.W.	16	13	
14	0	0	0	6	0	0	6	7	N.W.	8	6	7	N.W.	5	14	
15	0	0	12	12	13	15	14	17	S.E.	13	10	10	S.E.	7	15	
16	0	3	7	8	0	8	5	5	E.N.E.	6	7	7	E.N.E.	3	16	
17	0	0	0	0	0	4	0	1	C.	0	0	0	N.	2	17	
18	0	15	21	23	16	16	10	11	W.N.W.	11	11	7	W.	6	18	
19	12	10	10	12	0	0	7	1	W.N.W.	1	0	0	C.	0	19	
20	17	14	15	16	19	20	21	19	W.N.W.	19	19	21	W.N.W.	22	20	
21	19	18	18	18	18	15	10	14	W.N.W.	12	9	3	C.	0	21	
22	5	2	0	15	17	15	15	15	W.N.W.	23	15	16	N.N.W.	16	22	
23	24	23	24	24	24	23	15	14	W.S.W.	18	12	8	S.W.	7	23	
24	0	0	0	6	0	2	0	0	C.	0	0	0	C.	0	24	
25	5	5	4	10	7	13	14	17	E.	7	15	15	E.S.E.	20	25	
26	0	0	0	0	0	0	0	0	C.	0	2	6	W.N.W.	5	26	
27	5	8	12	8	6	7	5	7	W.	8	14	13	W.	11	27	
28	10	15	16	8	4	0	8	12	S.S.E.	10	6	10	...	13	28	
29	5	2	0	0	0	0	0	0	...	0	0	0	...	2	29	
30	13	17	16	15	14	12	13	12	...	14	14	16	...	15	30	
Mean.	9-0	10-3	9-6	11-4	9-4	10-3	10-2	11-2		11-1	11-0	10-5		11-1	11-7	10-8

## —WIND VELOCITY—continued.

NOVEMBER, 1913.

Date.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Mid-night.	Daily Total.	Mean.	Maximum.	Minimum.	Date.
1	C. 0	0	0	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	miles.	m.p.h.	m.p.h.	m.p.h.	m.p.h.	1
2	N.W. 13	15	17	W.N.W. 16	4	0	W.S.W. 7	12	7	0	160	6.7	13	0	2
3	N. 15	16	13	N. 14	8	7	C. 0	0	0	0	131	5.5	17	0	3
4	W.N.W. 12	15	15	N.N.W. 12	14	14	W.N.W. 13	14	13	15	218	9.4	17	0	4
5	S.E. 27	28	29	S.E. 32	33	32	S.E. 31	30	30	31	529	22.0	33	1	5
6	S.S.E. 22	22	22	S.S.E. 22	20	19	S.S.E. 19	20	18	20	569	23.7	30	18	6
7	S. 10	10	11	S. 5	0	0	C. 0	0	0	5	278	11.6	24	0	7
8	W. 20	20	25	W. 24	26	24	W. 24	23	24	23	464	19.3	26	7	8
9	W.N.W. 24	25	25	N.W. 25	26	27	N.W. 27	27	23	22	568	23.7	27	19	9
10	S.W. 5	11	6	S.W. 8	6	7	S.W. 9	6	3	9	275	11.5	22	3	10
11	W. 29	24	23	W. 23	26	25	W. 26	26	22	19	391	16.3	26	5	11
12	W. 3	0	2	C. 0	0	0	W. 4	12	13	13	162	6.8	17	0	12
13	W.N.W. 5	3	8	N.W. 8	8	10	N.W. 12	0	0	0	261	10.9	18	0	13
14	C. 0	0	0	C. 0	0	0	C. 0	0	0	0	45	1.9	8	0	14
15	C. 0	5	0	C. 0	0	0	N.E. 2	1	1	4	144	6.0	17	0	15
16	E.N.E. 2	0	1	N.E. 6	0	0	N.E. 2	6	0	4	85	3.5	8	0	16
17	N. 2	7	5	N.N.E. 7	4	3	C. 0	0	0	0	42	1.7	7	0	17
18	W. 15	17	15	W. 16	17	15	W. 13	15	6	11	313	13.0	23	0	18
19	W.N.W. 13	11	11	W.N.W. 16	19	15	W.N.W. 16	16	17	18	216	9.0	19	0	19
20	W.N.W. 24	25	23	W.N.W. 22	23	19	W.N.W. 19	20	22	19	492	20.5	29	14	20
21	C. 0	0	0	S.E. 12	12	10	S.E. 2	0	0	0	190	7.9	19	0	21
22	N. 16	15	16	N. 16	13	13	N.N.W. 13	14	17	19	334	12.0	23	0	22
23	S.S.W. 8	5	7	S.W. 7	0	5	S. 5	0	1	0	260	10.9	24	0	23
24	E. 5	0	2	E. 2	3	0	E.N.E. 2	6	1	5	34	1.4	6	0	24
25	S.S.E. 20	19	15	S.S.E. 12	7	0	C. 0	0	0	0	244	10.2	20	0	25
26	W.N.W. 12	14	14	W. 7	0	0	C. 0	2	2	5	84	3.5	14	0	26
27	W. 12	14	14	W. 15	12	8	W. 13	16	12	5	251	10.5	16	5	27
28	... 15	15	16	... 14	15	10	... 16	17	5	6	271	11.3	17	0	28
29	... 0	0	7	... 7	6	9	... 3	5	6	10	62	2.6	10	0	29
30	... 18	22	22	... 21	22	20	... 22	23	25	22	424	17.7	25	12	30
Mean.	11.3	11.9	12.1	12.3	11.0	10.1	10.0	10.4	8.9	9.5	255.4	10.6	19.1	2.8	Mean.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction Miles p.h.	20	21	15	14	14	15	14	16	S.S.W.	13	7	16	S.W.	12
2	Direction Miles p.h.	28	28	20	15	15	16	16	14	W.	12	15	12	S.W.	11
3	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	N.	15	0	0	C.	.....
4	Direction Miles p.h.	8	12	14	13	13	11	9	7	W.	0	0	0	W.	8
5	Direction Miles p.h.	11	12	18	23	26	29	30	30	32	24	24	22	23	20
6	Direction Miles p.h.	27	31	36	33	32	30	38	30	N.W.	39	39	39	N.W.	40
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.	20	20	20	W.	18
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	E.N.E.	23	23	23	E.N.E.	20
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	4	0	0	15	0
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	S.S.E.	26	26	26	S.S.E.	22
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.N.W.	18	18	18	N.N.W.	13
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	E.	22	22	22	S.E.	21
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.N.W.	14	14	14	22	28
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.N.W.	4	4	8	7	2
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.N.W.	25	25	30	27	25
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.	8	10	10	N.	10
21	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.N.W.	33	33	33	N.W.	32
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	S.W.	31	31	31	S.S.W.	30
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.	28	28	28	W.N.W.	29
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.W.	35	35	35	N.W.	32
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	S.W.	26	26	26	S.W.	31
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.W.	22	22	22	N.W.	27
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	S.W.	18	18	18	S.W.	16
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.N.W.	10	10	10	W.N.W.	9
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.	25	25	25	N.	25
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.W.	22	22	22	N.W.	22
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	W.	37	37	37	W.	34
	Mean.	20.0	20.7	22.6	23.2	21.6	22.0	22.0	22.2	21.7	21.9	22.1	22.0	21.4	21.1

—WIND VELOCITY—*continued.*

DECEMBER, 1914.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.		Date.
S.W. 21	15	14	S.W. 17	23	14	W. 23	23	26	28	416	17.3	28	7	37	.....	Direction	1
.....	.....	.....	W.N.W. 16	12	11	W. 12	14	20	19	367	15.2	28	7	40	479.20	Miles p.h.	
C. 0	11	8	W.N.W. W. 21	23	20	W. 15	15	12	14	215	8.9	18	0	21	309.42	Direction Miles p.h.	2
N.W. 45	44	37	W.N.W. W. 23	33	33	W.N.W. 33	29	27	25	523	21.3	32	11	36	261.69	Direction Miles p.h.	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	847	35.3	47	25	64	728.21	Direction Miles p.h.	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Direction Miles p.h.	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Direction Miles p.h.	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Direction Miles p.h.	7
S.W. 17	16	9	W. 12	0	0	0	13	7	5	436	18.2	35	0	48	405.46	Direction Miles p.h.	8
W. 25	22	23	W. 22	18	18	W.N.W. 18	18	18	16	383	16.0	31	0	45	201.30	Direction Miles p.h.	9
S.S.E. 22	18	18	S.S.E. 18	16	14	E.S.E. 14	13	13	7	480	20.0	30	0	38	349.20	Direction Miles p.h.	10
E.S.E. 15	23	22	S.S.E. 20	15	10	E.S.E. 5	10	15	15	349	14.5	23	4	29	347.70	Direction Miles p.h.	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Direction Miles p.h.	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Direction Miles p.h.	13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Direction Miles p.h.	14
W.N.W. .7	2	7	N.N.E. 4	6	9	E. 12	22	12	12	323	13.4	24	2	33	431.02	Direction Miles p.h.	15
S.E. 27	25	S.E. 24	22	26	22	S.E. 21	7	17	483	20.1	28	7	43	222.78	Direction Miles p.h.	16	
N.N.W. 4	18	22	W. 15	7	7	W.N.W. 20	25	25	25	284	11.8	25	2	38	337.15	Direction Miles p.h.	17
N.W. 30	29	N.W. 27	27	30	27	N.W. 30	31	28	627	26.1	32	17	43	288.90	Direction Miles p.h.	18	
E.N.E. 20	12	S. 5	9	17	34	W. 40	41	38	41	521	21.7	41	5	62	501.26	Direction Miles p.h.	19
N.W. 10	6	15	W. 17	17	21	S.W. 20	8	16	15	596	24.8	38	6	53	533.70	Direction Miles p.h.	20
S.S.W. 24	20	S.S.W. 20	18	12	10	S.W. 12	10	20	569	23.7	33	10	57	401.03	Direction Miles p.h.	21	
N.N.W. 23	26	25	W. 25	26	26	W. 20	24	26	28	604	25.2	30	20	41	377.09	Direction Miles p.h.	22
W.N.W. 26	28	30	W.N.W. 32	25	28	W. 29	28	29	29	738	30.7	37	25	47	580.01	Direction Miles p.h.	23
S.S.W. 28	20	17	S.S.W. 20	28	27	S.S.W. 22	20	21	613	25.5	35	17	56	632.87	Direction Miles p.h.	24	
W. 29	22	26	S.W. 21	18	24	S.W. 20	18	30	12	517	21.5	30	12	46	362.58	Direction Miles p.h.	25
S.S.W. 25	18	20	S. 22	22	23	S. 18	15	6	4	473	19.7	26	4	41	390.41	Direction Miles p.h.	26
W. 24	22	25	W. 25	26	6	W.N.W. 20	22	25	25	361	15.0	26	0	32	222.24	Direction Miles p.h.	27
N.N.W. 18	18	14	N.N.W. 20	22	25	N. 25	23	25	24	574	23.9	30	14	35	406.76	Direction Miles p.h.	28
N. 25	25	23	W.N.W. 21	25	21	W. 25	21	26	30	614	25.6	32	21	38	485.94	Direction Miles p.h.	29
N.W. 32	32	29	N.W. 27	28	27	N.W. 25	25	24	25	732	30.4	37	24	47	558.65	Direction Miles p.h.	30
W.N.W. 15	19	18	W. 22	24	25	W. 20	20	23	22	507	21.1	20	15	36	556.62	Direction Miles p.h.	31
21.1	20.3	20.0	20.1	19.3	20.0	20.2	20.3	20.0	20.0	505.8	21.1	30.9	9.8	42.5	414.87*	Mean.	

\*These readings are daily total miles recorded for 24 hour periods ending 9 a.m.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.N.W.	.....	.....	N.N.W.	.....	.....
	Miles p.h.	31	30	33	34	34	35	34	36	36	35	37	37	35	33
2	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.N.W.	.....	.....	W.N.W.	.....	.....
	Miles p.h.	28	27	22	16	2	0	10	18	20	22	20	21	25	19
3	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.S.W.	.....	.....
	Miles p.h.	10	10	8	16	18	18	13	18	16	15	20	16	12	12
4	Direction	.....	.....	.....	.....	.....	.....	.....	.....	C.	.....	.....	C.	.....	.....
	Miles p.h.	0	0	0	0	0	0	0	0	0	0	0	0	2	0
5	Direction	.....	.....	.....	.....	.....	.....	.....	.....	E.S.E.	.....	.....	S.E.	.....	.....
	Miles p.h.	11	0	2	0	11	13	15	15	15	15	20	15	17	14
6	Direction	.....	.....	.....	.....	.....	.....	.....	.....	C.	.....	.....	.....	.....	.....
	Miles p.h.	10	0	0	0	0	6	18	0	0	0	0	0	0	0
7	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.W.	.....	.....	N.W.	.....	.....
	Miles p.h.	15	16	16	15	22	25	25	20	24	26	26	27	23	23
8	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	.....	.....	.....
	Miles p.h.	32	30	30	28	30	30	22	25	25	25	25	25	23	23
9	Direction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Direction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Direction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Direction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	Direction	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h.	10	5	18	10	10	18	10	14	18	20	9	12	0	0
14	Direction	.....	.....	.....	.....	.....	.....	.....	.....	S.	.....	.....	C.	.....	.....
	Miles p.h.	32	30	32	29	22	20	18	18	16	16	0	0	18	8
15	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.S.W.	.....	.....	W.S.W.	.....	.....
	Miles p.h.	35	36	36	40	40	33	38	38	36	37	37	37	35	35
16	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.	.....	.....
	Miles p.h.	30	31	31	30	28	30	28	27	29	22	28	20	23	15
17	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.	.....	.....	N.W.	.....	.....
	Miles p.h.	0	0	0	0	9	17	19	14	11	27	23	25	30	36
18	Direction	.....	.....	.....	.....	.....	.....	.....	.....	S.W.	.....	.....	S.W.	.....	.....
	Miles p.h.	27	29	30	25	23	18	8	10	9	7	12	14	17	17
19	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.S.W.	.....	.....
	Miles p.h.	20	32	33	32	33	33	34	34	32	35	34	34	33	32
20	Direction	.....	.....	.....	.....	.....	.....	.....	.....	E.	.....	.....	E.	.....	.....
	Miles p.h.	0	0	0	0	0	0	0	0	8	15	22	28	20	15
21	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.N.W.	.....	.....	N.	.....	.....
	Miles p.h.	15	18	18	8	9	0	0	0	.6	0	7	10	12	11
22	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.	.....	.....	N.W.	.....	.....
	Miles p.h.	11	12	12	4	10	0	15	15	25	20	21	14	15	13
23	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	N.W.	.....	.....
	Miles p.h.	12	11	20	20	18	20	25	22	20	25	28	24	22	25
24	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.	.....	.....
	Miles p.h.	0	4	19	25	22	27	27	27	28	32	32	28	26	26
25	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.	.....	.....
	Miles p.h.	16	23	23	22	27	27	27	30	31	30	28	28	27	22
26	Direction	.....	.....	.....	.....	.....	.....	.....	.....	C.	.....	.....	C.	.....	.....
	Miles p.h.	6	6	8	0	8	0	12	15	0	0	0	0	0	6
27	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.	.....	.....	N.	.....	.....
	Miles p.h.	20	21	20	20	20	15	18	15	12	14	17	32	30	30
28	Direction	.....	.....	.....	.....	.....	.....	.....	.....	N.W.	.....	.....	C.	.....	.....
	Miles p.h.	20	25	23	27	25	23	14	4	9	0	0	0	16	18
29	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.	.....	.....
	Miles p.h.	4	15	17	16	16	10	10	16	7	16	18	20	22	22
30	Direction	.....	.....	.....	.....	.....	.....	.....	.....	W.	.....	.....	W.	.....	.....
	Miles p.h.	23	18	22	14	10	16	20	20	24	8	19	16	5	14
31	Direction	.....	.....	.....	.....	.....	.....	.....	.....	C.	.....	.....	N.W.	.....	.....
	Miles p.h.	0	5	0	0	0	0	0	0	0	10	12	21	11	7
	Mean.	15.5	16.1	17.5	16.0	16.6	16.1	17.0	16.7	16.9	17.4	18.3	18.7	18.5	17.6

## METEOROLOGY—MACQUARIE ISLAND STATION.

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**—WIND VELOCITY—*continued.***

JANUARY, 1915.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction Miles p.h.	N.W. 5	N.W. 24	N.W. 26	N.W. 19	N.W. 22	N.W. 24	N.W. 25	N.W. 20	N.W. 21	N.W. 19	N.W. 8	C. 0	N.W. 11	W. 2
2	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Direction Miles p.h.	20 N.W. 33	16 N.W. 34	16 N.W. 32	17 N.N.W. 23	16 N.N.W. 22	20 N.N.W. 21	24 N.N.W. 40	24 N.N.W. 45	24 N.N.W. 34	16 W.N.W. 36	14 W.N.W. 40	26 N.W. 44	10 N.W. 40	10 W.N.W. 39
4	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Direction Miles p.h.	22 C. 0	14 C. 0	20 C. 0	25 C. 0	22 C. 0	8 C. 0	14 C. 0	10 C. 0	10 C. 0	12 C. 0	18 C. 0	0 C. 0	12 C. 0	11 C. 0
6	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Direction Miles p.h.	25 C. 0	25 C. 0	22 C. 0	13 C. 0	13 C. 0	0 C. 0	0 C. 0	0 C. 0	0 C. 0	0 C. 0	0 C. 0	0 C. 0	0 C. 0	24 C. 0
8	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Direction Miles p.h.	25 C. 0	30 C. 0	31 C. 0	25 C. 0	24 C. 0	26 C. 0	27 C. 0	24 C. 0	22 C. 0	14 C. 0	13 C. 0	22 N. 9	24 N. 9	24 C. 0
10	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Direction Miles p.h.	27 .....	25 .....	26 .....	25 .....	24 .....	25 .....	18 .....	18 .....	15 W.N.W.	15 .....	15 W.	13 .....	27 .....	32 .....
12	Direction Miles p.h.	10 .....	7 .....	12 .....	4 .....	14 .....	14 .....	23 .....	18 .....	20 N.W.	30 .....	13 W.N.W.	15 .....	10 W.N.W.	8 .....
13	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Direction Miles p.h.	14 .....	12 .....	15 .....	15 .....	14 .....	0 .....	0 .....	0 .....	10 .....	7 .....	4 .....	7 .....	0 .....	10 .....
15	Direction Miles p.h.	32 W. 9	32 C. 0	33 C. 0	37 C. 0	34 C. 0	32 C. 0	20 C. 0	14 C. 0	15 C. 0	16 C. 0	0 C. 0	0 C. 0	12 C. 0	12 W.N.W. 0
16	Direction Miles p.h.	15 .....	11 .....	19 .....	10 .....	2 .....	1 .....	0 .....	9 .....	.....	.....	.....	.....	.....	.....
17	Direction Miles p.h.	16 .....	17 .....	20 .....	15 .....	20 .....	18 .....	15 .....	11 .....	.....	.....	.....	.....	.....	18 .....
18	Direction Miles p.h.	15 .....	15 W.N.W.	30 N.W.	18 N.W.	27 N.W.	26 N.W.	20 N.W.	12 N.W.	0 N.W.	6 N.W.	19 N.W.	20 N.W.	19 N.W.	19 N.W.
19	Direction Miles p.h.	14 .....	10 W.N.W.	4 N.W.	14 N.W.	20 N.W.	28 N.W.	22 N.W.	13 N.W.	14 N.W.	15 N.W.	20 N.W.	15 N.W.	18 N.W.	15 N.W.
20	Direction Miles p.h.	15 .....	15 .....	16 .....	16 .....	12 .....	12 .....	10 .....	8 .....	6 S.W.	0 C.	0 C.	0 C.	0 C.	6 .....
21*	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22*	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23*	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24*	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25*	Direction Miles p.h.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Direction Miles p.h.	4 .....	7 .....	12 .....	7 .....	7 .....	0 .....	0 .....	6 C.	0 C.	0 C.	13 C.	17 C.	17 N.W.	12 .....
27	Direction Miles p.h.	0 .....	0 .....	5 .....	0 .....	0 .....	0 .....	0 .....	5 C.	5 C.	5 C.	15 W.N.W.	18 W.N.W.	19 W.N.W.	22 .....
28	Direction Miles p.h.	9 .....	10 .....	14 .....	14 .....	16 .....	20 .....	19 .....	18 .....	22 .....	22 .....	22 .....	23 .....	20 .....	21 .....
	Mean.	13.3	13.1	15.0	13.0	13.0	12.2	12.8	10.9	10.4	11.4	11.8	11.7	13.4	13.6

\* From visual observation—Incomplete

—WIND VELOCITY—*continued.*

FEBRUARY, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Daily Total	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.	Date.	
W. 12	W.N.W. 4	W.N.W. 2	W.N.W. 5	W.N.W. 10	W.N.W. 11	N.W. 12	N.W. 11	N.W. 12	.....	317	13.2	26	0	33	407.99	1	
N.W. 8	N.W. 3	N.W. 15	N.W. 5	N.W. 2	N.W. 3	N.W. 10	N.W. 25	N.W. 30	.....	359	14.9	30	2	49	428.76	2	
W.N.W. 38	W.N.W. 38	W.N.W. 36	W.N.W. 33	W.N.W. 30	W.N.W. 27	N.W. 20	N.W. 21	N.W. 12	20	758	31.6	45	12	70	563.19	3	
N 15	.....	N.W. 14	.....	N.W. 20	.....	C. 0	C. 0	C. 0	.....	277	11.5	25	0	40	679.89	4	
C. 0	C. 0	C. 0	N.N.W. 9	.....	.....	C. 0	.....	.....	.....	69	2.9	26	0	45	300.24	5	
S.S.E. 28	.....	S. 24	.....	.....	.....	W.S.W. 8	.....	.....	C. 0	280	11.7	28	0	46	326.66	6	
N.W. 9	.....	N.W. 10	.....	N.W. 15	.....	N.W. 10	.....	N.W. 12	20	172	7.2	22	0	31	169.53	7	
N.W. 22	.....	N.W. 14	.....	N.W. 15	.....	N. 6	.....	N. 5	.....	427	17.8	31	0	43	480.23	8	
C. 0	C. 0	C. 0	C. 0	C. 0	.....	C. 0	.....	C. 0	.....	29	1.2	11	0	24	366.13	8	
N.W. 24	.....	N.W. 14	.....	N.W. 11	.....	N.N.E. 9	.....	N.N.E. 22	.....	205	8.5	24	0	43	151.98	10	
N.W. 30	.....	.....	W.N.W. 28	.....	.....	N.W. 15	.....	N.W. 10	.....	492	20.5	33	10	56	498.74	11	
W.N.W. 14	.....	.....	W.N.W. 12	.....	.....	W.N.W. 10	.....	W.N.W. 22	.....	330	13.7	30	4	43	530.55	12	
C. 0	.....	.....	C. 8	.....	.....	C. 0	.....	C. 20	.....	200	8.3	24	0	50	404.06	13	
W.S.W. 8	W.S.W. 10	W.S.W. 9	W.S.W. 8	W.S.W. 4	W.S.W. 0	W.S.W. 5	W.S.W. 6	W.S.W. 0	.....	339	14.1	37	0	49	507.14	14	
N.W. 10	N.W. 10	N.W. 8	N.W. N.W.	N.W. N.W.	N.W. C.	N.W. C.	N.N.E. C.	N.N.E. 10	N.N.E. 11	101	4.2	17	0	34	215.69	15	
.....	.....	.....	.....	.....	11	13	16	15	17	.....	.....	.....	.....	43	313.33	16	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	63	562.89	17	
W.N.W. 18	.....	.....	W.N.W. 21	.....	24	26	23	22	23	24	.....	.....	.....	.....	377	15.7	18
N.W. 10	N.W. 16	N.W. 4	N.W. 16	N.W. 17	N.W. 10	N.W. 16	N.W. 13	N.W. 12	.....	377	15.7	30	0	55	545.90	19	
W.S.W. 10	.....	N.W. 6	C. 0	N.W. 0	N.W. 4	N.W. 0	N.W. 8	N.W. 11	N.W. 12	281	11.7	28	0	40	513.47	20	
.....	.....	.....	C. 0	.....	C. 0	.....	C. 0	C. 0	C. 0	141	5.9	16	0	32	526.04	Miles p.h.	
W. 10	.....	.....	W. 7	.....	.....	W. 7	.....	W. 0	.....	.....	.....	.....	.....	18	208.10	Miles p.h.	
W.N.W. 4	.....	.....	C. 0	.....	.....	W. 4	.....	C. 0	.....	.....	.....	.....	.....	.....	298.78	Miles p.h.	
S. 4	.....	.....	C. 0	.....	.....	S.W. 4	.....	.....	.....	.....	.....	.....	.....	14	204.97	Miles p.h.	
N.N.W. 10	.....	.....	N.N.W. .19	.....	.....	N.N.W. 19	.....	.....	.....	.....	.....	.....	.....	.....	154.99	Miles p.h.	
N.N.W. 19	.....	.....	N.N.W. 19	.....	.....	N.N.W. 7	.....	.....	.....	.....	.....	.....	.....	20	380.95	Miles p.h.	
S.W. 2	.....	S. 4	S. 6	C. 0	.....	C. 0	C. 0	C. 0	.....	136	5.7	17	0	28	327.69	26	
N.W. 20	.....	N.N.W. 23	.....	N.N.W. 24	.....	N.W. 25	.....	N.W. 23	.....	293	12.2	25	0	35	191.15	27	
N.W. 17	.....	.....	N.W. 16	.....	N.W. 9	.....	N. 10	N. 15	N. 18	16	2.0	33	2	33	476.68	Miles p.h.	
13.7	12.3	11.9	10.9	10.0	9.0	9.0	10.1	10.4	10.4	284.1	11.8	26.1	1.4	40	383.42	Mean:	

days not taken for Means.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h...	2	4	4	5	2	2	0	0	0	5	7	4	8	16
2	Direction...	.....	.....	26	27	29	20	27	30	34	33	34	42	43	.....
	Miles p.h...	20	20	26	27	29	20	27	30	34	33	34	42	43	.....
3	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	C.	C.	C.	C.	C.	C.
	Miles p.h...	14	15	20	19	18	11	15	18	0	0	0	0	0	0
4	Direction...	C.	C.	C.	C.	C.	C.	N.W.	N.W.	N.N.W.	N.	N.	N.N.E.	N.N.E.	.....
	Miles p.h...	0	0	0	0	0	0	5	4	10	20	20	22	24	.....
5	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h...	6	7	10	10	12	12	15	16	21	20	18	20	19	19
6	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	W.N.W.	W.N.W.	.....
	Miles p.h...	19	14	7	10	10	10	10	5	10	2	9	8	8	8
7	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h...	18	16	17	17	20	23	15	8	5	15	10	12	7	22
8	Direction...	E.N.E.	E.N.E.	N.N.E.	N.N.E.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...	15	40	40	40	45	48	40	40	36	36	30	14	14	14
9	Direction...	N.E.	N.E.	N.E.	N.E.	N.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.	N.	N.N.W.	N.N.W.
	Miles p.h...	40	25	25	30	25	28	25	14	20	20	24	25	25	24
10	Direction...	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.	N.	N.W.	N.W.	.....
	Miles p.h...	25	23	28	31	34	35	40	40	40	40	40	32	34	34
11	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...	39	32	24	30	30	20	30	30	22	28	30	29	27	27
12	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.	W.	W.N.W.	W.	W.	W.	W.
	Miles p.h...	28	28	30	32	34	35	36	31	31	36	35	26	29	30
13	Direction...	W.S.W.	W.	W.	W.	W.	W.S.W.	W.S.W.	.....						
	Miles p.h...	28	26	20	25	24	20	14	14	14	14	15	15	11	11
14	Direction...	S.W.	W.S.W.	S.W.	W.S.W.	S.W.	W.S.W.	S.W.	W.S.W.	W.S.W.	S.W.	S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h...	6	10	12	9	10	7	9	13	13	11	11	10	10	10
15	Direction...	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.	W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.	W.	W.
	Miles p.h...	25	21	20	18	20	17	25	25	20	20	20	20	20	12
16	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.									
	Miles p.h...	20	24	22	25	21	23	23	26	26	30	30	30	34	34
17	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.								
	Miles p.h...	26	20	19	20	14	15	14	13	14	16	20	20	22	23
18	Direction...	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.									
	Miles p.h...	25	24	26	17	19	19	18	23	24	24	24	24	25	25
19	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h...	20	20	22	20	21	22	23	25	24	33	30	32	30	30
20	Direction...	N.	N.	N.	N.N.E.	N.	N.	N.	N.	N.	N.N.E.	N.N.E.	N.N.E.	N.N.E.	N.N.E.
	Miles p.h...	34	30	28	26	30	25	24	17	28	20	20	16	20	8
21	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	W.	C.	C.	C.	C.	C.	C.	N.W.
	Miles p.h...	15	8	12	6	13	0	4	0	0	0	0	0	5	5
22	Direction...	N.W.	N.N.W.	C.	C.	C.	C.	C.	C.						
	Miles p.h...	20	18	10	13	15	12	8	10	0	0	0	0	0	0
23	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.									
	Miles p.h...	7	5	6	9	11	10	5	10	10	10	10	10	8	13
24	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.	N.	N.
	Miles p.h...	2	2	8	15	10	10	12	18	18	18	12	18	20	10
25	Direction...	N.	N.	N.	N.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.	C.	C.	C.
	Miles p.h...	28	30	33	33	32	33	30	30	20	14	4	0	0	0
26	Direction...	N.	N.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.								
	Miles p.h...	15	14	20	30	32	35	30	35	35	30	32	15	15	15
27	Direction...	N.N.W.	N.	N.	N.	N.	N.	N.							
	Miles p.h...	10	10	7	10	12	10	18	22	20	16	19	22	25	26
28	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...	25	26	26	28	28	14	25	26	20	24	23	20	24	20
29	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h...	11	12	13	20	22	22	20	30	38	23	20	25	30	30
30	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	N.W.	N.W.	N.W.
	Miles p.h...	20	24	25	20	21	20	15	13	10	16	15	14	10	15
31	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.									
	Miles p.h...	19	23	24	21	18	19	13	14	11	17	13	12	20	20
	Mean.	18.8	18.4	18.8	19.9	20.4	18.6	19.0	19.4	18.6	19.0	18.2	18.3	17.9	18.3

—WIND VELOCITY—*continued.*

MARCH, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.	Date.	
.....	16	20	15	15	20	19	16	15	18	231	9.6	20	0	44	343-87	Direction Miles p.h.	1
.....	32	25	22	20	20	22	23	24	26	651	27.1	43	20	61	452-16	Direction Miles p.h.	2
C.	C.	C.	C.	.....	.....	C.	C.	.....	.....	130	5.4	20	0	31	520-89	Direction Miles p.h.	3
0	0	0	0	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N.	N.	N.	N.	N.	N.W.	N.W.	N.W.	C.	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	26	25	24	24	20	10	10	0	14	304	12.7	26	0	35	129-33	Direction Miles p.h.	4
.....	20	13	20	20	17	20	19	15	16	384	16.0	21	6	48	455-62	Direction Miles p.h.	5
N.N.W.	N.	N.	N.	N.	N.	N.	N.E.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	13	10	12	10	10	10	13	16	16	244	10.2	19	2	34	444-63	Miles p.h.	6
.....	28	15	0	0	0	11	10	20	20	339	14.1	30	0	60	381-92	Direction Miles p.h.	7
N.N.W.	N.	N.N.E.	N.E.	N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	.....	.....	.....	.....	.....	.....	.....	.....
15	17	24	25	30	24	20	25	25	35	708	29.5	48	14	65	591-51	Miles p.h.	8
N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	W.N.W.	W.N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
12	22	17	19	15	15	15	16	14	16	511	21.3	40	12	65	669-72	Direction Miles p.h.	9
N.W.	N.W.	N.N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.	W.N.W.	W.N.W.	.....	.....	.....	.....	.....	.....	.....	.....
30	32	40	40	44	40	40	39	38	38	857	35.7	44	23	63	621-78	Miles p.h.	10
W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	.....	.....	.....	.....	.....	.....	.....	.....
29	29	26	17	22	27	28	32	26	26	663	27.6	39	17	55	905-37	Direction Miles p.h.	11
W.S.W.	W.	W.	W.	.....	.....	.....	.....	.....	.....	.....	.....						
30	30	27	30	20	28	34	36	36	37	749	31.2	37	20	57	758-89	Miles p.h.	12
W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	S.W.	W.S.W.	W.S.W.	.....	.....	.....	.....	.....	.....	.....	.....
11	9	10	9	8	9	10	2	10	4	332	13.8	28	2	45	644-11	Miles p.h.	13
W.S.W.	W.	W.	.....	.....	.....	.....	.....	.....	.....	.....							
9	10	12	15	8	15	18	20	18	24	290	12.1	24	6	35	368-85	Miles p.h.	14
W.	W.	W.N.W.	.....	.....	.....	.....	.....	.....	.....	.....							
12	14	10	14	10	10	15	18	20	24	435	18.1	25	10	39	424-90	Miles p.h.	15
N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
34	24	20	24	20	22	24	22	16	15	581	24.2	34	15	44	523-56	Direction Miles p.h.	16
N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	.....	.....	.....	.....	.....	.....	.....	.....
22	23	25	27	28	30	31	32	32	30	536	22.3	32	13	45	599-73	Miles p.h.	17
N.N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....							
25	24	23	24	26	26	26	30	32	30	581	24.2	32	17	41	637-91	Miles p.h.	18
N.W.	N.N.W.	N.	N.	.....	.....	.....	.....	.....	.....	.....	.....						
32	32	33	34	32	32	34	32	35	36	684	28.5	36	20	47	733-07	Miles p.h.	19
C.	S.W.	S.W.	S.W.	S.W.	S.W.	S.W.	N.W.	W.N.W.	W.N.W.	.....	.....	.....	.....	.....	.....	.....	.....
0	10	22	20	12	5	8	12	10	15	440	18.3	34	0	47	819-83	Miles p.h.	20
N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	.....	.....	.....	.....	.....	.....	.....	.....
10	10	10	20	23	25	24	30	30	28	278	11.6	30	0	40	325-C0	Miles p.h.	21
C.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
0	2	2	3	9	7	8	7	3	10	157	6.5	20	0	35	426-44	Miles p.h.	22
N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
14	9	7	5	5	6	4	7	6	3	190	7.9	14	3	25	282-32	Miles p.h.	23
N.	N.	N.	N.	N.	N.	N.	N.	N.	N.	.....	.....	.....	.....	.....	.....	.....	.....
16	22	26	20	24	24	23	24	23	23	369	16.6	26	2	37	356-25	Miles p.h.	24
C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	.....	.....	.....	.....	.....	.....	.....	.....
0	0	0	0	0	0	0	0	0	0	287	12.0	33	0	45	639-29	Miles p.h.	25
N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
12	10	12	9	10	10	14	15	12	12	482	20.1	35	9	45	315-00	Miles p.h.	26
N.	N.	N.	N.N.E.	N.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
26	30	34	34	35	36	32	35	32	26	547	22.8	36	7	51	478-16	Miles p.h.	27
W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.	W.	W.	C.	W.	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	15	12	10	10	12	10	0	10	12	430	17.9	28	0	44	718-15	Direction Miles p.h.	28
.....	24	28	24	22	24	16	14	18	19	523	21.8	38	11	58	544-09	Miles p.h.	29
N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
20	18	16	20	22	20	22	29	30	27	462	19.3	30	10	47	690-00	Miles p.h.	30
W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	.....	.....	.....	.....	.....	.....	.....	.....
16	30	20	20	22	16	20	20	22	15	442	18.4	30	11	48	605-22	Direction Miles p.h.	31
17.4	18.1	17.5	17.8	17.7	18.0	18.0	19.2	19.3	20.1	446.7	18.6	30.7	7.9	44.3	531-21	Mean.	

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	C.	C.	
	Miles p.h....	10	20	18	20	20	25	28	5	30	10	10	0	0	
2	Direction...	W.	W.	W.	W.	W.	W.	W.	S.	C.	S.	W.S.W.	W.S.W.	W.S.W.	
	Miles p.h....	15	16	10	16	15	13	10	20	0	4	6	7	15	
3	Direction...	W.	C.	W.	W.	W.	W.	W.	S.	S.	S.	S.S.W.	W.S.W.	W.S.W.	
	Miles p.h....	4	0	9	9	8	11	20	22	20	14	15	16	10	15
4	Direction...	W.	W.	C.	N.W.	N.W.	C.	C.	C.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h....	5	4	0	15	10	0	0	0	13	12	12	13	23	15
5	Direction...	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h....	10	14	20	26	30	30	30	30	30	33	25	20	25	
6	Direction...	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h....	20	20	18	19	17	14	14	24	14	15	14	17	20	18
7	Direction...	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h....	19	20	16	25	18	14	10	11	12	12	15	12	15	13
8	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h....	10	10	11	19	20	18	18	18	11	12	11	13	14	11
9	Direction...	C.	N.W.	N.W.	N.W.	N.W.	C.	N.W.	N.W.	C.	C.	C.	C.	C.	
	Miles p.h....	0	15	16	10	8	0	2	4	0	0	0	0	0	
10	Direction...	C.	S.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	
	Miles p.h....	0	18	22	24	22	25	20	10	10	13	0	0	0	
11	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	Direction...	C.	C.	C.	C.	C.	C.	N.N.W.	N.	N.	N.	N.	N.	N.	
	Miles p.h....	0	0	0	0	0	0	10	12	13	17	19	18	0	
13	Direction...	N.	N.	C.	C.	C.	C.	N.	C.	N.	N.N.W.	C.	N.W.	N.W.	
	Miles p.h....	7	4	0	0	0	0	0	10	0	5	9	0	7	
14	Direction...	C.	C.	C.	C.	C.	C.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h....	0	0	0	0	0	0	5	5	10	10	11	14	20	
15	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.										
	Miles p.h....	20	13	12	16	17	10	11	14	20	19	27	15	14	
16	Direction...	C.	C.	C.	C.	C.	C.	N.E.	N.E.	N.N.E.	N.	N.	N.	N.	
	Miles p.h....	0	0	0	0	0	0	5	7	15	14	10	10	9	
17	Direction...	N.W.	N.W.	C.	C.	W.N.W.	C.	C.	S.S.E.	S.S.E.	S.E.	S.E.	S.E.	S.E.	
	Miles p.h....	4	2	0	0	4	0	0	5	10	15	22	23	22	
18	Direction...	E.N.E.	E.N.E.	C.	N.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	N.W.	C.	W.N.W.	C.	
	Miles p.h....	15	13	0	15	14	10	10	10	7	10	5	0	5	0
19	Direction...	N.	N.	N.	N.	N.	N.	N.N.E.	N.	N.	N.W.	C.	N.W.	N.W.	
	Miles p.h....	12	12	11	9	15	15	15	20	15	16	11	0	5	8
20	Direction...	N.	N.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h....	11	10	17	16	22	28	30	26	34	26	28	30	30	22
21	Direction...	W.N.W.	W.	W.	W.	W.	W.N.W.	W.N.W.							
	Miles p.h....	26	24	26	20	16	10	12	15	10	12	24	22	20	21
22	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	
	Miles p.h....	0	0	0	0	0	0	0	0	5	15	16	19	19	20
23	Direction...	N.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.								
	Miles p.h....	16	18	14	18	18	20	24	24	28	24	28	26	22	25
24	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	C.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h....	9	9	10	10	10	10	10	10	0	0	10	10	12	16
25	Direction...	W.N.W.	W.N.W.	W.N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.							
	Miles p.h....	26	28	25	26	28	27	26	26	26	26	28	28	25	26
26	Direction...	N.W.	N.W.	N.W.	N.W.										
	Miles p.h....	20	18	12	12	13	14	20	24	27	30	32	31	31	
27	Direction...	N.W.	N.W.	C.	N.W.	C.	C.	N.W.	C.	N.W.	N.W.	N.N.W.	N.W.	N.W.	
	Miles p.h....	14	14	0	4	0	0	6	0	5	10	4	2	9	
28	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	C.	N.W.	
	Miles p.h....	9	2	10	2	4	0	10	2	5	7	0	0	4	
29	Direction...	N.N.W.	N.N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	C.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.
	Miles p.h....	26	27	10	10	10	5	5	0	0	9	5	14	10	
30	Direction...	W.N.W.	W.	W.	W.	W.N.W.	W.N.W.								
	Miles p.h....	20	17	20	17	18	25	22	25	20	20	19	20	16	
	Mean.	10.9	11.6	10.2	11.9	12.0	10.8	13.1	12.1	13.0	14.4	13.2	13.5	13.0	13.3

## METEOROLOGY—MACQUARIE ISLAND STATION.

337

—WIND VELOCITY—*continued.*

APRIL, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.	Date.	
C. 0	C. 0	S.W. 7	W.S.W. 9	W. 9	W.S.W. 10	W.S.W. 2	W. 2	W. 10	W. 10	275	11·5	30	0	42	629·11	Direction Miles p.h.	1
S.S.W. 9	S.S.W. 15	S.S.W. 13	W.S.W. 12	W.S.W. 7	C. 0	C. 0	C. 0	C. 0	C. 0	218	9·1	20	0	47	298·44	Direction Miles p.h.	2
S.S.W. 15	S.S.W. 16	S.S.W. 18	W.S.W. 14	W.S.W. 14	W.S.W. 15	W.S.W. 12	W.S.W. 10	W.S.W. 10	W.S.W. 10	307	12·8	22	0	47	319·61	Direction Miles p.h.	3
W.N.W. 15	W.N.W. 15	W.N.W. 14	W.N.W. 15	W.N.W. 20	W.N.W. 13	W.N.W. 8	W.N.W. 10	W.N.W. 15	W.N.W. 10	257	10·7	23	0	48	418·83	Direction Miles p.h.	4
W.N.W. 28	W.N.W. 29	W.N.W. 25	W.N.W. 22	W.N.W. 20	W.N.W. 18	W.N.W. 15	W.N.W. 15	W.N.W. 15	W.N.W. 10	555	23·1	33	10	52	591·29	Direction Miles p.h.	5
N.W. 15	W.N.W. 20	W.N.W. 12	W.N.W. 16	W.N.W. 15	W.N.W. 13	W.N.W. 10	W.N.W. 10	W.N.W. 10	W.N.W. 20	388	16·2	24	10	46	631·87	Direction Miles p.h.	6
N.N.W. 14	W.N.W. 13	W.N.W. 10	W.N.W. 4	W.N.W. 4	W.N.W. 7	W.N.W. 10	W.N.W. 10	W.N.W. 8	W.N.W. 9	301	12·5	25	4	48	507·58	Miles p.h.	7
N.W. 10	N.W. 10	N.W. 11	N.W. 12	N.W. 12	N.W. 9	N.W. 20	N.W. 10	N.W. 0	N.W. 4	294	12·1	20	0	33	491·73	Direction Miles p.h.	8
C. 0	C. 5	N.W. 9	N.W. 9	C. 0	C. 0	88	3·7	16	0	29	467·87	Miles p.h.	9				
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	164	6·8	25	0	36	409·44	Direction Miles p.h.	10
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	0	0	0	0	19	144·78	Miles p.h.	11
N. 7	N. 21	N. 19	N. 0	N. 0	N. 4	N. 14	N. 16	N. 3	N. 0	173	7·2	21	0	43	311·33	Direction Miles p.h.	12
N.W. 11	N.W. 9	N.W. 4	N.W. 7	N.W. 0	N.W. 10	N.W. 18	N.W. 15	N.W. 17	N.W. 17	168	7·0	18	0	30	445·15	Miles p.h.	13
N.W. 28	N.W. 30	N.W. 26	N.W. 16	N.W. 24	N.W. 24	N.W. 20	N.W. 21	N.W. 20	N.W. 20	328	13·7	30	0	46	373·97	Direction Miles p.h.	14
W.N.W. 13	W.N.W. 15	W.N.W. 10	W.N.W. 10	W.N.W. 7	W.N.W. 10	W.N.W. 9	W.N.W. 5	W.N.W. 0	W.N.W. 13·0	311	13·0	27	0	44	629·51	Direction Miles p.h.	15
N.N.W. 16	N.W. 8	N.W. 4	N.W. 4	C. 0	N.W. 4	N.W. 5	N.W. 2	N.W. 2	N.W. 5	130	5·4	16	0	42	386·74	Direction Miles p.h.	16
S.E. 14	S.E. 15	S.E. 10	S.E. 8	S.E. 5	S.E. 4	E.S.E. 8	E. 2	E. 10	E. 15	223	9·3	25	0	33	370·03	Direction Miles p.h.	17
N.W. 6	N.W. 10	C. 0	C. 0	N.N.W. 5	N.N.W. 5	N.N.W. 4	C. 0	N. 2	N. 10	146	6·1	15	0	42	446·36	Direction Miles p.h.	18
N.W. 8	N.W. 6	C. 0	C. 8	180	7·5	20	0	45	381·07	Direction Miles p.h.	19						
W.N.W. 16	W.N.W. 16	W.N.W. 20	W.N.W. 20	W.N.W. 14	W.N.W. 14	W.N.W. 20	W.N.W. 15	W.N.W. 15	W.N.W. 20	500	20·8	34	10	51	463·25	Miles p.h.	20
W.N.W. 20	W.N.W. 21	W.N.W. 17	W.N.W. 14	W.N.W. 11	W.N.W. 4	W.N.W. 14	W.N.W. 0	W.N.W. 9	W.N.W. 0	368	15·3	26	0	55	588·95	Direction Miles p.h.	21
N.W. 20	N.W. 17	N.W. 16	N.W. 19	N.W. 19	N.W. 21	N.W. 15	N.W. 16	N.W. 20	N.W. 25	282	11·7	25	0	34	337·58	Direction Miles p.h.	22
N.W. 25	W.N.W. 28	W.N.W. 20	W.N.W. 20	W.N.W. 10	W.N.W. 9	W.N.W. 10	W.N.W. 10	W.N.W. 4	W.N.W. 10	459	19·1	28	4	41	524·48	Miles p.h.	23
W.N.W. 20	W.N.W. 23	W.N.W. 22	W.N.W. 21	W.N.W. 15	W.N.W. 20	W.N.W. 24	W.N.W. 26	W.N.W. 30	W.N.W. 28	355	14·8	30	0	44	663·61	Direction Miles p.h.	24
N.N.W. 26	N.N.W. 25	N.N.W. 22	N.N.W. 30	N.N.W. 24	N.N.W. 20	N.W. 2	N.W. 10	N.W. 15	N.W. 15	555	23·1	30	2	45	725·65	Miles p.h.	25
N.W. 32	N.W. 30	N.W. 30	N.W. 30	N.W. 28	N.W. 20	N.W. 12	N.W. 11	N.W. 9	N.W. 9	549	22·8	33	9	45	682·06	Direction Miles p.h.	26
C. 0	N.W. 2	C. 0	N.W. 2	N.W. 0	N.W. 11	N.W. 5	N.W. 9	N.W. 2	N.W. 6	109	4·5	14	0	33	688·83	Direction Miles p.h.	27
N.W. 6	N.W. 9	N.W. 2	N.W. 2	C. 0	N.W. 4	N.W. 7	N.W. 13	N.W. 17	N.W. 21	136	5·7	21	0	33	456·00	Miles p.h.	28
N.W. 6	W.N.W. 5	W.N.W. 5	W.N.W. 7	W.N.W. 9	W.N.W. 16	W.N.W. 15	W.N.W. 20	W.N.W. 16	W.N.W. 21	261	10·9	27	0	55	500·24	Direction Miles p.h.	29
W.N.W. 17	W.N.W. 15	W.N.W. 9	W.N.W. 10	W.N.W. 11	W.N.W. 11	W.N.W. 10	W.N.W. 10	W.N.W. 4	W.N.W. 4	387	16·1	25	4	63	635·25	Direction Miles p.h.	30
13·3	14·1	14·5	10·8	9·9	10·3	10·9	9·1	9·1	10·2	282·2	11·8	24·2	1·8	42·4	484·02	Mean.	

## AUSTRALASIAN ANTARCTIC EXPEDITION.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	C.	C.	C.	C.	C.	N.	N.W.	N.W.	N.W.	S.W.	W.S.W.	C.	W.	
	Miles p.h....	0	0	0	0	0	13	25	28	30	19	10	12	0	10
2	Direction...	C.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Direction...	N.W.	N.W.	W.N.W.	N.W.	N.W.	N.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.	
	Miles p.h....	26	25	26	26	30	30	20	34	40	34	30	26	14	20
4	Direction...	W.N.W.	W.N.W.	W.N.W.	W.	W.N.W.	W.	W.							
	Miles p.h....	24	20	20	15	20	15	12	14	15	10	16	10	4	
5	Direction...	N.N.W.	N.N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.								
	Miles p.h....	21	25	25	25	26	30	30	33	33	28	30	33	32	
6	Direction...	N.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.								
	Miles p.h....	24	24	25	28	30	30	34	35	35	35	35	36	37	40
7	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	C.	N.W.	C.	C.	C.	N.W.	N.W.	N.W.	
	Miles p.h....	23	20	14	6	9	0	4	0	0	0	20	25	28	30
8	Direction...	N.N.W.	N.	N.	N.N.W.	N.N.W.	N.N.W.								
	Miles p.h....	25	26	28	33	35	35	36	36	37	30	33	35	35	35
9	Direction...	N.	N.N.W.	N.N.W.	N.N.W.										
	Miles p.h....	20	20	15	20	12	14	18	20	10	18	35	30	28	33
10	Direction...	W.N.W.	W.N.W.	W.N.W.	C.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h....	20	10	10	0	20	25	14	16	10	22	4	30	22	15
11	Direction...	W.N.W.	C.	C.	N.W.	N.W.	N.W.	N.W.	N.N.W.						
	Miles p.h....	8	0	0	5	17	25	32	36	26	24	22	30	33	32
12	Direction...	W.N.W.	W.	W.	W.	W.N.W.	W.N.W.								
	Miles p.h....	38	40	40	25	22	18	20	28	20	20	21	22	15	10
13	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	26	27	27	25	27	25	30	30	34	34	30	30	30	32
14	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	
	Miles p.h....	10	10	25	23	22	26	30	34	35	28	24	22	15	20
15	Direction...	C.	C.	C.	C.	C.	N.N.E.	N.	N.	N.	N.	N.E.	C.	C.	N.
	Miles p.h....	0	0	0	0	10	14	10	12	15	0	0	0	0	20
16	Direction...	N	N	N.N.W.	N.N.W.	N.N.W.	N.	N.							
	Miles p.h....	34	35	38	36	35	32	30	22	20	12	22	20	22	22
17	Direction...	N.N.E.	N.N.E.	N.N.E.	N.	N.	N.	N.	N.	N.N.E.	N.	N.	N.N.E.	N.N.E.	
	Miles p.h....	25	35	37	30	28	28	30	22	21	16	20	19	22	22
18	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	C.	C.	C.	C.	C.	C.	
	Miles p.h....	25	25	16	20	10	4	7	2	0	0	0	0	0	0
19	Direction...	C.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.E.	S.E.	S.E.	S.E.	S.S.E.	C.	C.	C.	
	Miles p.h....	0	2	4	10	16	16	15	15	10	10	0	0	0	0
20	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	N.N.E.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
21	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Direction...	C.	C.	N.W.	C.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	0	0	2	0	4	2	4	20	24	25	26	25	20	10
23	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.
	Miles p.h....	15	16	5	9	20	15	15	15	15	20	20	25	20	25
24	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	C.	C.	
	Miles p.h....	24	24	24	24	30	28	28	24	25	18	12	0	0	0
25	Direction...	N.W.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h....	2	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Direction...	S.E.	S.E.	C.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	C.	C.	C.	C.	C.	C.	
	Miles p.h....	4	6	0	7	7	5	5	0	0	0	0	0	0	0
27	Direction...	C.	C.	W.N.W.	N.W.	C.	N.W.	N.W.	N.W.	N.N.W.	C.	N.	N.	N.	
	Miles p.h....	0	0	7	4	0	4	7	10	9	0	2	10	15	12
28	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
29	Direction...	W.S.W.	S.S.W.	C.	S.S.W.	S.S.W.	S.	S.	S.	C.	C.	C.	C.	C.	
	Miles p.h....	12	5	0	5	5	5	5	6	0	0	0	0	0	0
30	Direction...	N.	N.	C.	C.	C.	N.	N.	N.	N.	N.	N.	N.	N.	
	Miles p.h....	7	5	0	0	0	4	5	20	20	10	20	15	14	18
31	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h....	0	0	0	0	0	0	0	0	9	10	9	10	9	
	Méan,	13.3	13.3	12.9	12.5	14.2	14.6	15.7	17.0	15.9	14.8	15.0	15.6	14.1	15.3

## METEOROLOGY—MACQUARIE ISLAND STATION.

339

—WIND VELOCITY—*continued:*

MAY, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.		Date.
W. 9	C. 0	W. 5	W. 15	W. 14	W. 12	W. 15	W. 7	W. 4	C. 0	228	9.5	30	0	43	465.37	Direction	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miles p.h.	2
W.N.W. 25	W. 22	W. 15	W. 30	W. 25	W. 20	W. 25	W. 29	W.N.W. 26	W.N.W. 26	627	26.1	40	14	73	550.94	Direction	3
W.N.W. 10	W.N.W. 5	W.N.W. 2	W.N.W. 0	W.N.W. 4	W.N.W. 10	W.N.W. 15	W.N.W. 20	W.N.W. 19	W.N.W. 20	292	12.2	24	0	63	605.11	Miles p.h.	4
N.N.W. 30	N.W. 25	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	N.W. 9	N.W. 10	475	19.8	33	0	45	473.15	Miles p.h.	5
N.W. 40	N.W. 40	N.W. 38	N.W. 38	N.W. 37	N.W. 35	N.W. 29	N.W. 25	N.W. 20	N.W. 20	790	32.9	40	20	52	566.39	Miles p.h.	6
N.W. 30	N.W. 32	N.W. 33	N.W. 33	N.W. 30	N.W. 32	N.W. 25	N.W. 24	N.W. 26	N.W. 26	467	19.5	33	0	43	722.25	Miles p.h.	7
N.N.W. 34	N.N.W. 32	N.N.W. 30	N.N.W. 28	N.N.W. 26	N.N.W. 25	N.N.W. 23	N.N.W. 20	N.N.W. 20	N.N.W. 20	717	30.0	37	20	50	692.59	Miles p.h.	8
W.N.W. 40	W.N.W. 30	W.N.W. 22	W.N.W. 20	W.N.W. 21	W.N.W. 4	W.N.W. 22	W.N.W. 12	W.N.W. 9	W.N.W. 10	483	20.1	40	4	69	641.45	Miles p.h.	9
N.W. 20	N.W. 4	C. 0	W.N.W. 7	W.N.W. 10	C. 0	C. 0	C. 0	C. 0	C. 0	259	10.6	30	0	43	590.35	Miles p.h.	10
N.W. 34	N.W. 33	N.W. 30	N.W. 30	N.W. 26	N.W. 30	N.W. 30	N.W. 30	N.W. 38	N.W. 38	601	25.0	38	0	53	413.34	Direction	11
W. 10	W.N.W. 7	C. 0	N.W. 7	C. 0	N.W. 10	N.W. 12	N.W. 20	N.W. 24	N.W. 22	451	18.8	40	0	75	759.88	Miles p.h.	12
N.W. 34	N.W. 34	N.W. 32	N.W. 33	N.W. 35	N.W. 43	N.W. 44	N.W. 20	N.W. 12	N.W. 12	706	29.4	44	12	52	544.09	Direction	13
W.N.W. 20	W.N.W. 5	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	349	14.5	35	0	47	743.60	Miles p.h.	14
N. 15	N.N.W. 20	N.N.W. 20	N.N.W. 24	N.N.W. 25	N.N.W. 23	N.N.W. 23	N.N.W. 26	N.N.W. 30	N.N.W. 32	333	13.9	32	0	51	343.92	Miles p.h.	15
N. 20	N.N.W. 14	N. 15	N. 12	N. 30	N. 25	N. 24	N. 25	N.N.E. 25	N.N.E. 13	583	24.3	38	12	57	622.26	Direction	16
N.N.E. 20	N.N.E. 15	N.E. 15	N.E. 30	N.E. 24	N.E. 25	N.E. 35	N.E. 20	N.N.W. 30	N.N.W. 34	603	25.1	37	15	60	632.89	Direction	17
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	109	4.5	25	0	45	544.65	Miles p.h.	18
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	98	4.1	16	0	27	230.63	Direction	19
N.N.E. 5	C. 0	C. 0	N.N.E. 9	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	19	0.8	9	0	29	121.96	Miles p.h.	20
C. 0	C. 0	C. 0	C. 0	N.W. 7	N.W. 6	C. 0	C. 0	C. 0	C. 0	13	0.5	7	0	18	145.34	Direction	21
W.N.W. 10	W.N.W. 20	W.N.W. 20	W.N.W. 15	W. 12	W. 15	W. 15	W. 16	W.N.W. 15	W.N.W. 15	315	13.1	26	0	47	248.43	Miles p.h.	22
N.W. 20	N.W. 25	N.W. 25	N.W. 26	N.W. 26	N.W. 20	N.W. 12	N.W. 10	N.W. 18	N.W. 18	442	18.4	26	5	45	461.06	Direction	23
C. 0	N.W. 15	N.W. 20	N.W. 15	N.W. 20	N.W. 23	N.W. 17	N.W. 15	N.W. 16	N.W. 20	422	17.6	30	0	41	598.51	Miles p.h.	24
C. 0	0	0	0	0	C. 0	C. 0	C. 0	C. 0	C. 0	2	0.1	2	0	29	324.40	Direction	25
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	34	1.4	7	0	22	198.00	Miles p.h.	26
N.W. 7	N.W. 6	W.N.W. 4	N.W. 9	W.N.W. 5	C. 0	C. 0	C. 0	C. 0	C. 0	111	4.6	15	0	33	198.22	Direction	27
C. 0	W.S.W. 5	W.S.W. 5	W.S.W. 5	W.S.W. 14	W.S.W. 14	S.W. 12	S.W. 13	W.S.W. 15	W.S.W. 10	97	4.0	15	0	34	207.36	Miles p.h.	28
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	43	1.8	12	0	30	304.63	Direction	29
N. 10	N. 8	N. 10	N. 7	N. 7	N. 6	N. 7	N. 10	N. 9	N. 2	214	9.0	20	0	29	189.24	Miles p.h.	30
N.W. 10	N.W. 14	N.W. 10	N.W. 12	N.W. 11	N.W. 12	N.W. 20	N.W. 14	N.W. 18	N.W. 20	188	7.8	26	0	32	326.49	Direction	31
	15.1	13.7	11.8	13.5	13.3	13.4	14.0	11.9	12.5	335.7	14.0	26.7	3.4	44.6	443.88	Mean.	

## AUSTRALASIAN ANTARCTIC EXPEDITION.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	10	20	32	35	32	28	25	25	20	15	17	20	18	20
2	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.									
	Miles p.h....	18	16	22	18	20	16	16	18	20	20	24	26	25	26
3	Direction...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	30	28	29	32	35	35	34	36	35	33	25	18	24	25
4	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.						
	Miles p.h....	25	26	22	25	28	30	30	32	33	30	26	28	23	22
5	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.
	Miles p.h....	24	24	22	23	25	26	26	25	30	25	25	24	24	18
6	Direction...	N.	N.	N.N.W.	N.N.W.	N.N.W.									
	Miles p.h....	25	25	20	18	20	23	20	23	22	16	12	20	23	16
7	Direction...	N.N.W.	N.W.	N.W.	N.W.	N.W.									
	Miles p.h....	35	26	25	28	27	32	31	30	28	30	30	33	32	33
8	Direction...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	C.	C.	C.	C.
	Miles p.h....	30	33	30	30	25	20	24	25	10	5	0	0	0	0
9	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h....	15	18	20	20	20	15	17	17	12	15	15	13	10	10
10	Direction...	N.N.W.	N.N.W.	N.N.W.	W.N.W.	W.N.W.	W.N.W.	W.	W.	W.	W.	W.	W.	W.	W.
	Miles p.h....	30	8	15	22	18	22	24	24	30	28	29	30	30	22
11.	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	25	25	25	28	28	26	28	25	28	25	24	25	20	10
12.	Direction...	W.N.W.	N.W.	C.	C.	C.	N.W.	N.W.	S.W.	S.W.	S.W.	S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h....	10	10	0	0	0	0	4	10	15	12	15	10	15	10
13	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.	W.	W.
	Miles p.h....	33	34	33	30	28	30	30	40	40	40	40	40	40	44
15	Direction...	W.	W.	W.S.W.	W.S.W.	W.									
	Miles p.h....	25	23	24	35	36	34	30	33	35	30	34	30	30	33
16	Direction...	N.	N.N.E.	N.E.	N.N.E.	N.N.E.	N.	N.	N.	N.	N.	N.	N.W.	N.W.	N.W.
	Miles p.h....	15	26	24	23	40	38	36	36	36	28	35	18	20	20
17	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	S.W.
	Miles p.h....	0	0	0	0	0	0	0	0	0	15	30	33	30	30
18	Direction...	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.									
	Miles p.h....	15	15	25	24	28	24	25	25	25	28	28	20	30	31
19	Direction...	S.W.	S.W.	S.S.W.	S.S.W.	S.S.W.									
	Miles p.h....	30	30	32	30	34	36	36	36	38	33	40	40	40	40
20	Direction...	S.S.W.	S.S.W.	S.S.W.	S.	S.	S.	S.	S.	S.	C.	C.	C.	C.	C.
	Miles p.h....	22	20	15	19	20	15	10	8	4	0	0	0	0	0
21	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	E.S.E.	E.S.E.	E.S.E.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	8	4	4
22	Direction...	S.E.	C.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	C.	E.S.E.	C.	C.	E.N.E.	E.N.E.	E.N.E.
	Miles p.h....	9	0	15	15	15	10	10	0	10	0	0	0	10	10
23	Direction...	C.	E.	E.	E.S.E.	E.S.E.	E.S.E.	C.	C.	E.S.E.	E.	E.	C.	C.	C.
	Miles p.h....	0	10	10	10	12	0	0	9	4	4	0	0	0	0
24	Direction...	E.	C.	E.	C.	E.	C.	E.	E.	E.	E.	C.	C.	C.	C.
	Miles p.h....	4	0	3	0	4	0	10	12	14	10	0	0	0	0
25	Direction...	C.	C.	C.	C.	C.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
	Miles p.h....	0	0	0	0	0	15	15	23	23	15	14	16	15	9
26	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	N.W.	N.W.	C.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	5	5	0	0
28	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	N.	N.	N.	N.
	Miles p.h....	0	0	0	0	0	0	0	0	0	15	10	12	16	10
30.	Direction...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Miles p.h....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean.	15.0	14.9	15.8	16.6	17.7	17.0	17.2	18.3	18.8	16.7	16.9	17.2	17.4	15.8

## METEOROLOGY—MACQUARIE ISLAND STATION.

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**—WIND VELOCITY—*continued.***

JUNE, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.	Date.
N.W. 20	N.W. 23	N.W. 23	N.W. 20	N.W. 14	N.W. 20	N.W. 15	N.W. 19	N.W. 10	N.W. 20	501	20.9	35	10	46	479.06	1
N.N.W. 25	N.N.W. 26	N.N.W. 26	N.W. 30	N.W. 29	N.W. 30	N.N.W. 26	N.N.W. 28	N.N.W. 29	N.N.W. 30	564	23.5	30	16	41	456.31	2
N.W. 20	N.W. 20	N.W. 23	N.W. 25	N.W. 20	N.W. 22	N.W. 24	N.W. 22	N.W. 18	N.W. 15	628	26.2	36	15	45	657.49	3
N.W. 18	N.W. 22	N.W. 20	N.W. 20	N.W. 24	N.W. 20	N.W. 15	N.W. 20	N.W. 24	N.W. 23	586	24.4	33	15	44	577.73	4
N.N.W. 16	N.N.W. 6	N.N.W. 7	N.N.W. 20	N.N.W. 25	N.N.W. 23	N.N.W. 25	N.N.W. 26	N.N.W. 25	N.N.W. 26	540	22.5	30	6	41	559.55	5
N.N.W. 18	N.N.W. 20	N.W. 25	N.N.W. 15	N.N.W. 11	N.N.W. 21	N.N.W. 25	N.N.W. 32	N.N.W. 30	N.N.W. 28	508	21.2	32	11	41	492.22	6
N.W. 35	N.W. 35	N.W. 34	N.W. 35	N.W. 30	N.W. 30	N.W. 25	N.W. 28	N.W. 30	N.W. 27	719	30.0	35	25	48	553.19	7
C. 0	W. 12	W.N.W. 14	W.N.W. 15	W.N.W. 15	W.N.W. 20	W.N.W. 23	W.N.W. 32	W.N.W. 28	W.N.W. 26	417	17.4	33	0	48	687.58	8
N.W. 7	N.W. 15	N.W. 10	N.W. 20	N.W. 24	N.W. 25	N.N.W. 30	N.N.W. 30	N.N.W. 33	N.N.W. 34	445	18.5	34	7	43	455.54	9
W. 22	W. 17	W. 20	W.S.W. 16	W.S.W. 10	W.S.W. 20	W.S.W. 20	W.N.W. 25	W.N.W. 26	W.N.W. 28	536	22.3	30	8	52	517.97	10
N.W. 7	N.W. 12	N.W. 12	W.N.W. 15	W.N.W. 24	W.N.W. 17	W.N.W. 13	W.N.W. 16	C. 0	W.N.W. 6	464	19.3	28	0	40	593.99	11
W.S.W. 17	W.S.W. 14	W.S.W. 13	W.S.W. 12	W.S.W. 6	W.S.W. 18	W.S.W. 24	W.S.W. 20	W.S.W. 22	W.S.W. 24	281	11.7	24	0	47	343.48	12
W. 52	W. 48	W. 52	W. 43	W. 39	W. 37	W. 39	W. 30	W. 37	W. 34	912	38.0	52	28	63	577.01	13
W. 28	W. 27	W. 20	W. 20	W. 11	W. 6	W. 0	W. 0	W. 5	W.N.W. 11	560	23.3	36	0	69	793.75	14
N.W. 22	N.W. 23	N.W. 20	N.W. 11	N.W. 22	N.W. 14	N.N.W. 18	N.N.W. 0	N.N.W. 14	C. 0	547	22.8	40	0	63	486.62	15
W.S.W. 18	W.S.W. 15	W.S.W. 19	W.S.W. 21	W.S.W. 14	W.S.W. 13	S.W. 17	S.W. 18	S.W. 15	W.S.W. 16	304	12.7	33	0	58	350.67	16
W.S.W. 26	W.S.W. 28	W.S.W. 30	W.S.W. 25	W.S.W. 30	W.S.W. 25	S.W. 30	S.W. 30	S.W. 30	S.W. 30	627	26.1	31	15	51	436.46	17
S.S.W. 40	S.S.W. 40	S.S.W. 36	S.S.W. 35	S.S.W. 32	S.S.W. 30	S.S.W. 30	S.S.W. 28	S.S.W. 25	S.S.W. 25	816	34.0	40	25	57	.592.80	18
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	133	5.6	22	0	32	596.67	19
E.S.E. 8	E.S.E. 7	E.S.E. 9	E.S.E. 8	E.S.E. 5	E.S.E. 0	C. 10	E.S.E. 11	E.S.E. 9	E.S.E. 8	88	3.7	11	0	26	127.97	20
N.E. 10	N.E. 12	N.E. 7	N.E. 12	N.E. 10	N.E. 0	C. 0	N.E. 4	C. 4	E. 0	163	6.8	15	0	40	202.82	21
E. 6	E. 7	E. 10	E. 4	E. 5	E. 4	E. 8	E. 12	E. 10	E. 6	131	5.5	12	0	36	136.97	22
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	57	2.4	14	0	41	165.56	23
N.E. 7	N.E. 5	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	N.N.E. 7	168	7.0	23	0	40	189.29	24
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	0	0	0	0	13	151.97	25
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	0	0	5	0	16	36.57	26
C. 0	C. 0	C. 0	N. 0	N. 0	N. 0	N. 0	N. 11	C. 0	C. 0	0	10	0.4	5	0	200.98	27
N. 14	N. 14	N. 20	N. 22	N. 20	N. 22	N.N.W. 24	N.N.W. 18	N.N.W. 11	N.N.W. 12	270	11.2	24	0	47	195.85	28
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miles p.h.
15.6	16.2	16.5	15.9	15.5	15.2	15.8	16.0	15.9	15.5	393.2	16.4	26.7	6.5	44.0	414.86	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.						
	Miles p.h....	20	26	30	24	25	26	27	28	30	23	24	28	27	30
2	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h....	5	10	22	27	30	28	25	24	8	26	14	20	26	26
3	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	35	36	34	28	29	35	36	34	33	36	29	26	28	28
4	Direction...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	42	43	44	40	43	42	43	40	41	42	43	41	43	43
5	Direction...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.									
	Miles p.h....	40	38	40	36	35	38	37	38	38	39	38	41	38	41
6	Direction...	N.W.	C.	C.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.
	Miles p.h....	9	0	0	1	1	1	1	1	1	10	13	19	21	20
7	Direction...	N.W.	N.W.	N.W.	W.N.W.	W.	W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	C.	C.
	Miles p.h....	21	26	12	9	1	1	1	13	10	9	5	0	0	0
8	Direction...	C.	C.	C.	C.	C.	C.	C.	W.N.W.	C.	S.E.	S.E.	S.E.	S.E.	S.E.
	Miles p.h....	0	0	0	0	0	0	0	8	0	2	11	20	17	24
9	Direction...	S.	S.	S.	S.	S.	S.	S.	S.	S.	S.	C.	C.	W.	W.
	Miles p.h....	30	31	32	33	32	28	23	22	13	2	0	0	10	12
10	Direction...	N.N.W.	N.	N.	N.	N.	N.	N.W.	N.W.						
	Miles p.h....	25	26	28	32	30	26	31	33	33	34	36	35	39	28
11	Direction...	W.N.W.	W.N.W.	N.W.	N.W.	N.N.W.									
	Miles p.h....	28	28	27	33	28	37	26	32	29	25	28	30	35	39
12	Direction...	N.W.	N.W.	N.W.	N.W.	W.N.W.									
	Miles p.h....	38	42	37	42	43	40	39	41	46	52	50	50	46	46
13	Direction...	W.N.W.	W.S.W.	W.S.W.	C.	C.	C.	C.	C.						
	Miles p.h....	7	11	20	22	37	28	14	10	10	0	0	0	0	0
14	Direction...	N.	N.N.W.	N.N.W.	C.	W.N.W.	W.	W.	W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	32	35	32	0	22	30	24	32	34	30	28	27	26	21
15	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	W.N.W.	W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	35	28	33	37	25	28	28	26	27	31	17	7	11	27
16	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h....	24	28	20	27	24	20	20	18	26	31	33	31	31	30
17	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	28	27	28	26	30	30	29	30	31	33	34	35	33	33
18	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.
	Miles p.h....	26	23	17	25	23	22	19	16	12	19	25	23	27	26
19	Direction...	C.	N.W.	N.W.	N.W.	N.W.	N.W.								
	Miles p.h....	0	24	26	24	18	25	27	26	26	28	29	20	25	24
20	Direction...	N.	N.E.	N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.						
	Miles p.h....	25	24	25	16	20	22	28	14	10	15	6	10	2	8
21	Direction...	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.	W.	W.	W.	W.N.W.	W.N.W.	C.	C.	C.
	Miles p.h....	31	33	27	19	24	21	29	27	13	9	0	0	0	0
22	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.							
	Miles p.h....	9	8	7	16	21	21	25	24	25	26	25	25	26	29
23	Direction...	W.N.W.	C.	C.	C.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	5	0	0	0	15	20	27	26	31	32	33	33	34	34
24	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.S.W.	C.	C.	C.	C.	C.
	Miles p.h....	35	34	37	38	41	43	44	41	15	12	0	0	0	0
25	Direction...	N.	N.	N.	N.	N.N.W.	N.W.	N.W.	N.W.	N.W.	C.	C.	C.	C.	N.W.
	Miles p.h....	16	7	16	9	23	23	19	18	1	4	0	0	0	1
26	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h....	31	34	35	37	38	40	40	37	35	35	25	24	25	26
27	Direction...	N.N.W.	C.	N.W.	C.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	9	0	20	0	1	26	25	24	28	30	34	36	33	35
28	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.							
	Miles p.h....	47	47	36	33	36	35	34	30	28	34	31	27	25	26
29	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h....	16	18	16	22	27	25	24	14	27	23	29	23	23	24
30	Direction...	N.W.	C.	C.	W.	W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	17	9	0	26	16	14	15	24	20	20	26	24	38	40
31	Direction...	W.N.W.	W.	W.	W.	W.	W.	W.							
	Miles p.h....	33	37	36	37	28	18	22	22	20	13	14	18	10	10
	Mean.	23.2	23.4	23.8	23.2	24.7	25.6	25.2	25.0	22.9	23.6	22.9	21.7	22.7	23.6

—WIND VELOCITY—*continued.*

NOVEMBER, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Total.	Mean.	Max.	Min.	Max.	Daily Total Cup Anemometer.	Date.
W. 4	W.N.W. 4	N.W. 1	N.W. 16	N.W. 20	N.W. 18	N.W. 26	N.W. 22	W.N.W. 23	W.N.W. 24	192	8·0	26	0	32	207·98	1
N.W. 19	N.W. 20	N.N.W. 22	N.N.W. 19	N.N.W. 27	N.N.W. 21	N.N.W. 22	N.N.W. 26	N. 25	N. 31	570	23·7	32	15	44	354·22	2
W.N.W. 28	W.N.W. 26	W.N.W. 19	W.N.W. 21	W.N.W. 20	W.N.W. 17	W.N.W. 19	W.N.W. 19	N.N.W. 16	N.N.W. 18	576	24·0	32	16	56	442·10	3
N.W. 10	N. 13	C. 0	C. 0	N.E. 16	N.E. 16	N.E. 20	N.E. 16	N.E. 30	N.E. 26	282	11·7	30	0	56	400·21	4
W.N.W. 31	W.N.W. 28	W.N.W. 27	W.N.W. 34	W.N.W. 36	W.N.W. 34	W.N.W. 38	W.N.W. 34	W.N.W. 36	W.N.W. 36	660	27·5	40	12	62	298·09	5
C. 0	C. 0	C. 0	C. 0	S.W. 6	C. 0	W. 0	W.N.W. 4	W.N.W. 12	W.N.W. 7	360	15·0	38	0	52	697·83	6
C. 0	C. 0	N.W. 2	N.W. 1	N.W. 1	C. 0	C. 0	W.N.W. 0	W.N.W. 2	W.N.W. 0	300	12·5	27	0	37	261·51	7
W.N.W. 18	W.N.W. 24	W.N.W. 16	W.N.W. 14	W.N.W. 12	W.N.W. 18	W.N.W. 21	W.N.W. 18	W.N.W. 8	W.N.W. 14	257	10·7	24	0	30	190·22	8
W.N.W. 7	W.N.W. 1	G. 0	I. 0	O. 0	O. 0	O. 0	O. 0	C. 0	C. 0	290	12·1	25	0	41	364·28	9
C. 0	C. 0	C. 0	C. 0	W.N.W. 2	C. 0	W. 8	W.N.W. 24	C. 0	W.N.W. 0	34	1·4	24	0	20	137·00	10
C. 0	N.E. 2	C. 0	C. 0	C. 0	N.E. 0	C. 1	C. 0	C. 0	C. 0	45	1·9	10	0	28	126·96	11
N.N.W. 14	N. 16	N.E. 1	C. 0	N.E. 7	N.E. 11	N.E. 13	N.E. 1	W.N.W. 17	W.N.W. 27	130	5·4	27	0	35	67·86	12
N.W. 26	N.W. 14	N.N.W. 6	N.N.W. 6	N.N.W. 15	W.N.W. 2	W.N.W. 14	W.N.W. 8	W.N.W. 8	W.N.W. 13	463	19·3	26	2	36	323·34	13
W.N.W. 23	W.N.W. 18	W.N.W. 17	W.N.W. 19	W.N.W. 9	W.N.W. 8	W.N.W. 6	W.N.W. 5	W.N.W. 2	W.N.W. 1	184	7·7	24	0	33	236·81	14
W. 2	W. 9	S.S.E. 17	S.S.E. 22	S.S.E. 30	S.S.E. 30	S.S.E. 30	S.S.E. 18	S.S.E. 21	S.S.E. 14	275	11·5	30	0	42	266·51	15
W.N.W. 12	W.N.W. 8	C. 0	C. 0	W.N.W. 2	C. 0	C. 0	W.N.W. 16	W.N.W. 16	W.N.W. 19	110	5·0	19	0	32	258·02	16
W.N.W. 20	W.N.W. 22	W.N.W. 23	W.N.W. 18	W.N.W. 16	W.N.W. 18	W.N.W. 8	W.N.W. 2	W.N.W. 2	W.N.W. 0	481	20·0	28	0	44	298·85	17
S. 26	S.W. 27	S.W. 19	S.W. 11	S.W. 4	S.W. 6	S.W. 9	S.W. 13	S.W. 9	S.W. 11	375	15·6	35	0	47	305·16	18
W.S.W. 22	W.S.W. 18	W. 20	W. 1	W. 8	W. 4	W.N.W. 18	W.N.W. 23	W.N.W. 21	W.N.W. 24	374	15·6	24	1	36	396·45	19
W.N.W. 25	W.N.W. 27	W.N.W. 26	W.N.W. 26	W.N.W. 26	W.N.W. 25	W.N.W. 23	W.N.W. 23	W.N.W. 24	W.N.W. 14	732	30·5	40	14	53	532·44	20
W.N.W. 37	W.N.W. 36	W.N.W. 35	W. 34	W. 28	W. 26	W. 23	W.N.W. 20	W.N.W. 19	W.N.W. 2	730	30·4	38	2	51	620·56	21
N. 23	N. 22	N.N.W. 26	N.N.W. 18	N.N.W. 17	N.N.W. 18	N.N.W. 13	N.N.W. 10	N. 5	N. 0	474	19·7	29	0	49	537·33	22
W.N.W. 8	W.N.W. 8	W.S.W. 20	W.S.W. 8	W.S.W. 20	W.S.W. 10	W.S.W. 10	W.S.W. 11	W.S.W. 21	W.S.W. 22	229	9·5	22	0	44	267·74	23
W. 4	W. 4	W. 3	W. 9	W. 0	C. 0	C. 0	C. 0	C. 0	C. 0	226	9·4	26	0	39	285·24	24
N.E. 6	E.N.E. 12	E. 13	E. 16	E. 16	E. 10	E. 22	E. 23	E. 21	E.S.E. 22	166	6·9	23	0	32	105·67	25
W.N.W. 6	C. 0	N.W. 2	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	253	10·5	27	0	32	354·07	26
C. 0	N.E. 8	N.E. 9	N.E. 7	N.E. 11	N.E. 1	N.E. 1	N.E. 0	C. 0	N.E. 2	67	2·8	11	0	24	110·37	27
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	E.S.E. 7	E.S.E. 15	248	10·3	28	0	37	189·40	28
N.W. 24	N.W. 25	N.W. 22	N.W. 24	N.W. 20	N.W. 17	N.W. 14	N.W. 8	N.W. 9	N.W. 8	352	14·7	26	0	37	258·41	29
W. 13	W. 18	W. 17	W. 14	W. 15	W. 10	W. 9	W. 9	W. 8	W. 8	262	10·9	18	0	40	299·34	30
13·6	13·7	12·0	11·0	12·7	10·8	11·9	11·4	12·9	11·9	323·5	13·5	26·9	2·1	40·0	306·47	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	W.N.W.	W.	W.	W.	W.	W.	W.	W.
	Miles p.h...	4	1	1	9	25	24	21	22	23	23	20	19	19	26
2	Direction...	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...	16	14	18	19	17	19	23	20	17	15	11	20	18	22
3	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...	27	28	25	26	27	28	25	26	26	26	25	25	23	23
4	Direction...	C.	C.	C.	C.	C.	S.E.	S.E.	S.E.	E.	C.	E.N.E.	C.	E.N.E.	N.E.
	Miles p.h...	0	0	0	0	0	6	9	8	4	0	13	0	8	6
5	Direction...	C.	C.	C.	E.N.E.	E.N.E.	C.	E.N.E.	C.	N.E.	N.N.W.	N.	N.	N.	N.
	Miles p.h...	0	0	0	10	15	0	4	0	1	20	25	21	24	23
6	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	G.	C.	C.	C.	S.S.E.
	Miles p.h...	5	2	9	1	1	1	1	1	1	0	0	0	0	1
7	Direction...	S.S.E.	S.E.	S.E.	S.E.	S.E.	S.E.								
	Miles p.h.	8	2	10	14	2	16	16	15	15	15	7	3	8	9
8	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.
	Miles p.h...	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Direction...	E.S.E.	E.S.E.	C.	E.S.E.	E.S.E.	C.	E.S.E.	E.S.E.	E.	E.	E.N.E.	E.N.E.	C.	C.
	Miles p.h...	16	13	0	12	1	0	4	9	5	1	1	0	0	0
10	Direction...	C.	C.	C.	C.	C.	N.N.E.	N.N.E.	N.N.E.	N.	N.	N.N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h...	0	0	0	0	0	16	15	13	21	27	25	27	15	17
11	Direction...	C.	C.	C.	N.W.	N.W.	N.	N.	N.	N.	N.	N.N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h...	0	0	0	9	4	10	19	20	11	14	18	18	25	23
12	Direction...	C.	C.	C.	C.	C.	C.	C.	N.E.	N.	N.	N.	N.	N.	N.
	Miles p.h...	0	0	0	0	0	0	0	1	13	14	22	22	26	23
13	Direction...	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h...	12	10	6	10	10	10	10	0	S	2	7	7	9	9
14	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	C.	C.	C.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...	22	18	14	18	6	2	0	0	0	2	12	10	3	3
15	Direction...	C.	C.	C.	C.	E.N.E.	E.N.E.	E.	E.S.E.	E.S.E.	E.	E.	E.	E.	E.
	Miles p.h...	0	0	0	0	4	4	8	10	18	10	10	18	17	17
16	Direction...	N.	N.	N.N.E.	N.	N.N.E.	N.	N.	N.	N.N.W.	N.	C.	N.	N.	C.
	Miles p.h...	9	10	12	10	13	8	8	5	11	4	0	1	8	0
17	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	W.N.W.	C.	C.	C.
	Miles p.h...	0	0	0	0	0	0	0	0	0	0	2	0	0	0
18	Direction...	N.W.	N.W.	N.W.	W.N.W.	C.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h...	15	11	18	16	0	14	18	22	24	26	28	26	25	27
19	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.									
	Miles p.h...	25	25	29	34	33	36	34	36	36	35	34	35	37	35
20	Direction...	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.	W.	W.	W.	W.	W.	W.	W.	W.
	Miles p.h...	40	33	28	26	25	24	24	26	23	25	27	27	27	23
21	Direction...	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h...	24	20	22	18	20	22	23	24	30	33	34	40	36	36
22	Direction...	W.N.W.	W.	W.	W.	W.	W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...	34	35	30	35	32	31	32	33	43	44	46	48	48	46
23	Direction...	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.	W.	W.	S.S.E.	C.	S.E.	S.E.
	Miles p.h...	32	30	26	23	34	36	26	25	15	1	2	0	4	4
24	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	W.N.W.	W.	W.	W.	W.
	Miles p.h...	30	32	26	26	20	20	25	26	18	14	5	5	25	26
25	Direction...	W.	W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...	22	23	11	8	2	18	16	18	22	24	32	28	28	26
26	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.							
	Miles p.h...	18	21	23	26	23	25	25	26	33	26	24	22	26	27
27	Direction...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.									
	Miles p.h...	32	30	31	29	30	30	29	29	28	28	28	27	28	28
28	Direction...	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	C.	C.	C.	C.	C.
	Miles p.h...	8	10	14	4	6	1	1	1	0	0	0	0	0	0
29	Direction...	C.	C.	C.	C.	S.S.W.	S.S.W.	S.S.W.	S.	S.	S.	S.	C.	C.	C.
	Miles p.h...	0	0	0	0	20	18	15	11	1	1	1	0	0	0
30	Direction...	W.N.W.	W.	W.	W.	W.	W.	W.	W.	W.S.W.	S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h...	6	8	14	7	8	13	7	15	9	8	20	21	14	17
31	Direction...	W.	W.	W.	W.S.W.	W.S.W.	W.	W.	W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h...	12	10	11	12	11	14	14	15	6	14	13	13	13	16
	Mean.	13.5	12.5	12.2	13.0	12.4	14.4	14.5	14.7	15.0	15.1	15.5	15.5	16.8	16.5

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## WIND VELOCITY—continued.

AUGUST, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.	Date.
W. 17 W.N.W.	W. 25 W.N.W.	W. 18 W.N.W.	W. 26 W.N.W.	W. 17 W.N.W.	W. 14 W.N.W.	W. 15 W.N.W.	W. 15 W.N.W.	W. 16 W.N.W.	W. 16 W.N.W.	415	17.3	26	1	48	328.81	Direction Miles p.h.
25 W.N.W.	27 W.N.W.	26 C.	27 S.	22 C.	22 C.	24 C.	24 C.	24 C.	24 C.	494	20.6	27	11	40	439.55	Direction Miles p.h.
16 C. 0 N. 26	25 C. 0 N.N.W.	0 C. 2 N.W.	2 C. 9	0 E.N.E.	0 E.N.E.	5 E.N.E.	0 E.N.E.	0 E.N.E.	0 E.N.E.	403	16.8	28	0	40	533.53	Direction Miles p.h.
0 S.E. 9 C. 0 C. 0 N.N.W.	0 C. 0 E.S.E.	0 C. 0 E.S.E.	2 E.S.E.	9 E.S.E.	10 E.S.E.	5 E.S.E.	0 E.S.E.	8 E.S.E.	7 E.S.E.	95	4.0	13	0	30	256.72	Direction Miles p.h.
29 S.S.E. 1 S.E. 9 C. 0 C. 0 N.N.W.	29 33 C. 0 C. 2 C. 0 N.N.W.	31 31 C. 0 C. 6 C. 0 N.	29 31 C. 0 C. 10 C. 0 N.	26 26 16 10 9 10 0 N.N.W.	26 26 20 10 9 10 0 N.N.W.	26 26 20 10 9 10 0 N.N.W.	26 26 20 10 9 10 0 N.N.W.	26 26 20 10 9 10 0 N.N.W.	26 26 20 10 9 10 0 N.N.W.	383	16.0	33	0	41	160.11	Direction Miles p.h.
1 S.E. 9 C. 0 C. 0 N.N.W.	0 C. 0 E.S.E.	0 C. 0 E.S.E.	2 E.S.E.	9 E.S.E.	10 E.S.E.	5 E.S.E.	0 E.S.E.	8 E.S.E.	7 E.S.E.	116	4.8	20	0	29	369.24	Direction Miles p.h.
0 C. 0 C. 0 N.N.W.	0 C. 0 E.S.E.	0 C. 0 E.S.E.	2 E.S.E.	9 E.S.E.	10 E.S.E.	5 E.S.E.	0 E.S.E.	8 E.S.E.	7 E.S.E.	151	6.3	16	0	30	236.27	Direction Miles p.h.
2 C. 0 C. 0 N.N.W.	2 C. 0 C. 0 N.N.W.	6 C. 0 C. 0 N.N.W.	6 C. 0 C. 0 N.N.W.	13 C. 0 C. 0 N.N.W.	13 C. 0 C. 0 N.N.W.	2 C. 0 C. 0 N.N.W.	2 C. 0 C. 0 N.N.W.	2 C. 0 C. 0 N.N.W.	2 C. 0 C. 0 N.N.W.	59	2.5	13	0	31	134.18	Direction Miles p.h.
7 N.N.W.	10 N.N.W.	17 N.N.W.	9 N.N.W.	7 N.N.W.	2 N.N.W.	0 N.N.W.	0 N.N.W.	0 N.N.W.	0 N.N.W.	63	2.6	16	0	33	151.73	Direction Miles p.h.
14 N.N.W.	2 N.N.W.	10 N.N.W.	17 N.N.W.	9 N.N.W.	7 N.N.W.	2 N.N.W.	0 N.N.W.	0 N.N.W.	0 N.N.W.	237	9.9	27	0	45	97.78	Direction Miles p.h.
19 N.N.W.	19 N.N.W.	16 N.N.W.	16 N.N.W.	6 N.N.W.	13 N.N.W.	2 N.N.W.	0 N.N.W.	0 N.N.W.	0 N.N.W.	262	10.9	25	0	34	276.14	Direction Miles p.h.
22 N.W.	27 N.W.	27 N.W.	24 N.W.	23 N.W.	18 N.W.	24 N.W.	26 N.W.	26 N.W.	26 N.W.	339	14.1	27	0	45	194.57	Direction Miles p.h.
8 W.N.W.	1 C.	7 C.	2 C.	9 C.	9 C.	18 C.	16 C.	13 C.	17 C.	210	8.7	18	0	30	339.38	Direction Miles p.h.
4 E.S.E.	0 E.S.E.	0 E.	-0 E.N.E.	-0 E.N.E.	0 E.N.E.	0 E.N.E.	0 E.N.E.	0 E.N.E.	-0 E.N.E.	111	4.6	22	0	31	303.22	Direction Miles p.h.
19 C.	18 C.	13 C.	16 C.	15 C.	10 C.	7 C.	13 C.	18 C.	7 C.	235	9.8	19	0	37	113.94	Direction Miles p.h.
0 W.N.W.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	106	4.4	13	0	30	236.37	Direction Miles p.h.
6 N.W.	0 N.W.	0 N.W.	0 N.W.	0 N.W.	5 N.W.	0 N.W.	6 N.W.	13 N.W.	16 N.W.	48	2.0	16	0	22	110.38	Direction Miles p.h.
26 N.W.	28 N.W.	27 N.W.	24 N.W.	26 N.W.	26 N.W.	25 N.W.	28 N.W.	24 N.W.	26 N.W.	530	22.1	28	0	40	179.72	Direction Miles p.h.
34 W.	33 W.	33 W.	34 W.	34 W.	36 W.	37 W.	40 W.	39 W.	40 W.	824	34.3	40	25	55	605.87	Direction Miles p.h.
20 W.	23 W.	18 W.	16 W.	17 W.	16 W.	14 W.	17 W.	18 W.	18 W.	555	23.1	40	14	55	775.24	Direction Miles p.h.
38 N.N.W.	35 N.W.	34 N.W.	32 N.W.	40 N.W.	41 N.W.	35 N.W.	33 N.W.	38 N.W.	38 N.W.	739	30.8	41	18	54	420.61	Direction Miles p.h.
39 W.	37 W.	38 W.	34 W.	35 W.	34 W.	36 W.	30 W.	35 W.	33 W.	888	37.0	48	30	71	797.11	Direction Miles p.h.
0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	0 C.	340	14.2	36	0	50	834.08	Direction Miles p.h.
23 W.	26 W.	29 W.	29 W.	32 W.	27 W.	32 W.	30 W.	24 W.	25 W.	575	24.0	32	5	45	298.64	Direction Miles p.h.
26 W.N.W.	26 W.N.W.	22 W.N.W.	18 W.N.W.	1 N.W.	1 N.W.	1 N.W.	18 N.W.	23 N.W.	19 N.W.	429	17.9	32	1	38	430.91	Direction Miles p.h.
27 N.N.W.	28 N.N.W.	30 N.N.W.	29 N.N.W.	27 N.N.W.	26 N.N.W.	30 N.N.W.	29 N.N.W.	31 N.N.W.	30 N.N.W.	630	26.3	33	18	42	428.51	Direction Miles p.h.
29 C.	27 C.	26 C.	27 C.	26 C.	27 C.	26 C.	26 C.	20 C.	19 C.	645	26.9	32	10	45	564.49	Direction Miles p.h.
0 C.	0 C.	0 C.	0 C.	15 C.	8 C.	5 C.	1 C.	0 C.	0 C.	75	3.1	15	0	25	406.43	Direction Miles p.h.
0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	0 W.S.W.	305	12.7	21	6	44	97.34	Direction Miles p.h.
14 W.S.W.	12 W.S.W.	14 W.S.W.	20 W.S.W.	14 W.S.W.	11 W.S.W.	14 W.S.W.	14 W.S.W.	14 W.S.W.	11 W.S.W.	364	15.2	28	6	46	242.03	Direction Miles p.h.
9 W.S.W.	15 W.S.W.	13 W.S.W.	7 W.S.W.	22 W.S.W.	20 W.S.W.	14 W.S.W.	25 W.S.W.	28 W.S.W.	26 W.S.W.	345.1	14.4	25.9	4.7	39.8	337.70	Mean.
15.2	14.9	14.1	14.6	13.9	13.9	13.9	13.9	14.6	14.7	345.1	14.4	25.9	4.7	39.8	337.70	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	W.	W.	W.	W.N.W.	W.N.W.									
	Miles p.h...	26	25	26	26	27	26	23	24	25	28	26	29	24	
2	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	
	Miles p.h...	31	29	27	28	26	26	21	24	26	25	26	27	30	
3	Direction...	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.W.	C.							
	Miles p.h...	29	24	20	19	23	21	16	14	22	22	12	17	15	0
4	Direction...	N.W.	N.W.	N.N.W.	N.N.W.										
	Miles p.h...	13	18	14	19	20	18	16	24	28	2	13	11	11	
5	Direction...	W.S.W.	C.	C.	C.	W.N.W.	W.	W.	W.	W.	W.	W.	W.N.W.	W.N.W.	
	Miles p.h...	9	0	0	0	0	1	1	14	17	16	17	18	20	
6	Direction...	N.W.	N.N.W.	N.W.	N.W.	N.W.	C.								
	Miles p.h...	26	21	26	16	22	24	19	23	20	8	12	10	1	0
7	Direction...	N.N.W.	N.	N.	N.	N.	N.N.W.	N.N.W.							
	Miles p.h...	24	23	17	23	26	26	26	36	32	34	38	34	33	
8	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	
	Miles p.h...	36	35	33	30	30	28	26	24	20	24	24	27	28	30
9	Direction...	N.N.W.	N.N.W.	N.W.	N.										
	Miles p.h...	26	27	26	30	30	25	20	24	18	19	18	20	26	
10	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	E.	E.	
	Miles p.h...	0	0	0	0	0	0	0	0	0	0	0	0	5	4
11	Direction...	C.	C.	C.	C.	C.	E.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h...	0	0	0	0	0	0	7	0	0	0	0	0	0	0
12	Direction...	C.	C.	N.N.W.	N.N.W.	C.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h...	0	0	13	4	0	0	0	0	0	0	0	0	0	0
13	Direction...	C.	C.	C.	C.	C.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	
	Miles p.h...	0	0	0	0	0	0	2	8	16	14	16	9	12	4
14	Direction...	E.	E.	E.	E.	E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.	E.	
	Miles p.h...	19	18	19	19	19	0	7	15	14	18	15	15	12	15
15	Direction...	E.	E.	C.	C.	C.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	N.W.	N.W.	
	Miles p.h...	13	11	0	0	0	0	5	2	3	16	10	14	18	5
16	Direction...	E.	E.	E.	E.	E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	N.W.	N.W.	
	Miles p.h...	16	15	12	16	19	25	21	19	18	10	8	15	16	
17	Direction...	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h...	22	13	11	10	21	0	0	0	0	0	0	0	0	
18	Direction...	E.	E.	E.	E.	E.	C.	C.	C.	C.	C.	C.	C.	C.	
	Miles p.h...	14	8	7	6	6	1	0	0	0	0	0	0	0	0
19	Direction...	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	
	Miles p.h...	15	20	22	29	24	26	22	29	25	29	23	25	26	26
20	Direction...	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h...	13	13	11	9	15	15	2	6	13	14	18	17	19	20
21	Direction...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.	N.	N.	N.	N.N.W.	N.N.W.	N.W.	W.N.W.	W.N.W.	
	Miles p.h...	24	27	28	28	17	26	33	36	35	33	25	21	23	22
22	Direction...	N.N.W.	N.N.W.	N.N.W.	N.W.										
	Miles p.h...	22	24	25	24	11	26	22	21	24	25	26	31	33	37
23	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h...	26	24	25	15	17	23	23	25	22	21	27	26	28	
24	Direction...	W.N.W.	W.N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.							
	Miles p.h...	26	16	3	10	12	20	23	25	30	29	34	34	35	34
25	Direction...	N.N.W.	N.W.	N.W.	N.W.	N.N.W.									
	Miles p.h...	26	24	28	29	32	34	34	34	38	40	38	36	36	32
26	Direction...	N.W.	N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h...	36	33	26	24	28	25	30	28	30	27	27	30	22	
27	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	
	Miles p.h...	31	26	24	28	31	28	24	23	23	22	16	19	19	12
28	Direction...	W.N.W.	C.	C.	C.	E.N.E.	E.N.E.	E.N.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	S.E.	S.E.	
	Miles p.h...	6	0	0	0	0	9	5	18	24	28	36	35	34	25
29	Direction...	N.E.	C.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	
	Miles p.h...	5	0	31	29	37	38	39	38	38	34	32	29	32	28
30	Direction...	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	W.	
	Miles p.h...	32	33	28	32	32	34	34	35	34	33	30	28	25	30
	Mean ...	18.9	16.9	16.7	17.1	17.5	17.8	16.8	18.5	20.0	19.9	18.4	18.5	19.6	17.7

—WIND VELOCITY—*continued.*

SEPTEMBER, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Daily Total.	Mean.	Max.	Min.	Max. Gust.	Daily Total Cup Anemometer.		Date.
W.N.W. 29	W.N.W. 31	W.N.W. 29	W.N.W. 25	W.N.W. 28	W.N.W. 26	W.N.W. 29	W.N.W. 31	W.N.W. 32	W.N.W. 32	654	27.2	32	23	48	400.93	Direction	1
N.N.W. 29	N.N.W. 32	N.W. 29	N.N.W. 25	N.N.W. 29	N.N.W. 20	N.N.W. 22	N.N.W. 26	N.N.W. 34	N.W. 29	646	26.9	34	20	43	575.31	Miles p.h.	2
N.W. 2	C. 0	C. 1	N.W. 1	259	10.8	29	0	40	501.38	Direction	3						
N.N.W. 22	N.N.W. 21	N.N.W. 26	N.N.W. 1	N.N.W. 22	N.N.W. 8	N.N.W. 4	N.N.W. 14	N.N.W. 14	N.W. 9	386	16.1	38	1	46	280.41	Miles p.h.	4
W.N.W. 23	W.N.W. 24	W.N.W. 26	W.N.W. 22	W.N.W. 27	W.N.W. 31	W.N.W. 19	W.N.W. 28	W.N.W. 27	N.W. 30	379	15.8	31	0	49	240.94	Direction	5
W. 10	W. 9	C. 0	C. 0	C. 0	C. 0	C. 0	N.W. 5	N.W. 11	N.W. 21	284	11.8	26	0	38	425.74	Miles p.h.	6
N.N.W. 30	N.N.W. 34	N.N.W. 30	N.N.W. 32	N.N.W. 31	N.N.W. 32	N.N.W. 37	N.N.W. 37	N.N.W. 38	N.W. 37	744	31.0	38	17	56	248.58	Direction	7
N.W. 29	N.W. 27	N.W. 28	N.W. 30	N.W. 32	N.W. 29	N.W. 27	N.W. 30	N.W. 28	N.N.W. 28	683	28.5	36	20	51	695.48	Miles p.h.	8
N. 3	N. 27	N. 8	N. 12	N.N.W. 0	C. 0	C. 0	C. 0	C. 0	C. 0	375	15.6	30	0	40	568.45	Direction	9
E.S.E. 6	E.S.E. 7	C. 0	E.S.E. 1	E.S.E. 2	E.S.E. 6	E.S.E. 3	C. 0	C. 0	C. 0	34	1.4	7	0	24	122.24	Miles p.h.	10
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	7	0.3	7	0	14	183.09	Direction	11
C. 0	C. 0	C. 0	C. 0	C. 0	S. 0	S. 0	S. 2	S. 16	S. 14	67	2.8	18	0	25	97.40	Direction	12
S.S.E. 8	S.S.E. 11	S.S.E. 15	S.S.E. 16	S.S.E. 15	S.S.E. 15	S.S.E. 16	S.S.E. 16	S.S.E. 19	S.S.E. 21	233	9.7	21	0	32	108.56	Miles p.h.	13
E. 15	E. 16	E. 26	E. 25	E. 22	E. 20	E. 25	E. 17	E. 16	E. 11	398	16.6	26	0	45	361.31	Direction	14
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	97	4.0	18	0	38	351.30	Miles p.h.	15
N.W. 26	N.W. 28	N.W. 24	N.W. 22	N.W. 23	N.W. 18	N.W. 24	N.W. 23	N.W. 25	N.W. 22	445	18.5	28	0	37	243.29	Direction	16
C. 0	C. 0	C. 0	C. 0	S.S.E. 0	S.S.E. 8	S.S.E. 16	S.S.E. 16	S.S.E. 13	S.S.E. 9	148	6.2	22	0	33	349.60	Miles p.h.	17
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	42	1.7	14	0	21	140.72	Direction	18
W.S.W. 17	W.S.W. 16	W.S.W. 15	W.S.W. 14	W.S.W. 12	W.S.W. 16	W.S.W. 17	W.S.W. 15	W.S.W. 20	W.S.W. 15	508	21.2	29	12	52	166.95	Direction	19
N.W. 19	N.W. 22	N.W. 23	N.W. 24	N.W. 26	N.W. 8	N.W. 18	N.W. 20	N.W. 18	N.N.W. 383	16.0	26	2	45	318.88	Miles p.h.	20	
W.N.W. 6	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	N.N.W. 0	N.N.W. 12	396	16.5	36	0	54	402.89	Direction	21
N.W. 36	W.N.W. 39	W.N.W. 37	W.N.W. 36	W.N.W. 38	W.N.W. 35	W.N.W. 31	W.N.W. 31	W.N.W. 32	W.N.W. 27	693	28.9	39	11	50	307.36	Direction	22
N.W. 25	N.W. 31	N.W. 32	N.W. 34	N.W. 36	N.W. 36	N.W. 36	N.W. 38	N.W. 31	N.W. 27	654	27.3	38	15	53	591.51	Miles p.h.	23
N.N.W. 31	N.N.W. 32	N.N.W. 32	N.N.W. 32	N.N.W. 30	N.N.W. 31	N.N.W. 30	N.N.W. 28	N.N.W. 26	N.N.W. 26	629	26.2	35	3	48	529.15	Direction	24
N.N.W. 34	N.N.W. 30	N.N.W. 36	N.N.W. 44	N.N.W. 32	N.N.W. 33	N.N.W. 33	N.N.W. 34	N.N.W. 34	N.W. 34	808	33.7	44	24	56	622.57	Miles p.h.	25
N.N.W. 24	N.W. 15	C. 0	C. 0	C. 0	C. 0	N.W. 21	N.W. 32	N.W. 32	N.W. 32	550	22.9	36	0	44	801.25	Direction	26
N.W. 11	N.W. 10	N.W. 3	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	N.N.W. 3	353	14.7	31	0	39	481.57	Direction	27
S.E. 18	C. 0	N.E. 4	N.E. 4	N.E. 12	N.E. 11	N.E. 4	N.E. 0	N.E. 5	N.E. 2	280	11.7	36	0	44	216.94	Miles p.h.	28
W.N.W. 36	W.N.W. 28	W.N.W. 24	W.N.W. 34	W.N.W. 30	W.N.W. 30	W.N.W. 32	W.N.W. 28	W.N.W. 29	W.N.W. 29	709	29.5	39	0	55	490.93	Direction	29
W. 29	W. 25	W. 20	W. 13	W. 4	W. 0	W. 0	W. 0	W. 12	W. 0	543	22.6	35	0	52	681.50	Miles p.h.	30
17.3	17.2	15.6	14.9	15.0	13.8	14.9	16.5	17.1	16.4	412.0	17.2	29.3	4.9	42.4	383.54	Mean.	

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	C.	N.N.E.	N.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...:	0	14	24	27	20	25	20	24	27	27	26	29	32	28
2	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...:	34	24	23	16	26	32	32	32	23	29	29	28	28	28
3	Direction...	C.	S.	S.S.E.	S.S.E.	S.S.E.	S.E.	E.S.E.							
	Miles p.h...:	0	8	14	24	24	27	27	26	26	24	23	26	27	27
4	Direction...	E.	E.	E.S.E.	E.S.E.	E.S.E.									
	Miles p.h...:	26	26	30	31	35	37	45	43	37	45	30	33	43	43
5	Direction...	S.E.	S.E.	S.E.	S.E.	S.S.E.	S.S.E.	S.	S.	S.	S.W.	S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h...:	33	34	35	31	25	25	19	18	15	11	13	16	3	5
6	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...:	35	34	31	30	29	31	30	33	33	34	36	35	35	35
7	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...:	34	37	36	36	37	35	35	34	35	36	37	36	38	36
8	Direction...	W.N.W.	W.N.W.	W.N.W.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	W.S.W.	C.
	Miles p.h...:	27	23	1	18	315	31	17	11	8	9	8	1	0	0
9	Direction...	W.S.W.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	W.N.W.	W.N.W.	N.W.
	Miles p.h...:	3	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Direction...	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.	W.	W.
	Miles p.h...:	38	35	41	42	42	41	41	38	36	33	33	25	26	26
11	Direction...	C.	C.	C.	C.	E.	E.	E.	E.	E.	E.	E.	E.S.E.	E.S.E.	E.S.E.
	Miles p.h...:	0	0	0	0	4	4	16	18	19	18	23	20	18	17
12	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...:	29	29	32	29	29	28	29	28	28	28	24	25	29	29
13	Direction...	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.	W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...:	30	24	26	24	25	22	19	19	17	10	15	18	13	13
14	Direction...	C.	W.N.W.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.
	Miles p.h...:	0	1	0	0	0	0	0	0	0	0	0	0	0	0
15	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.
	Miles p.h...:	24	25	19	26	24	25	26	28	28	32	28	27	30	30
16	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...:	18	21	25	26	27	26	28	23	22	22	22	25	24	24
17	Direction...	W.N.W.	W.N.W.	W.N.W.	W.	W.	C.	C.	C.	C.	C.	C.	C.	C.	N.W.
	Miles p.h...:	4	6	12	15	10	0	0	0	0	0	0	0	0	5
18	Direction...	W.S.W.	S.W.	C.	S.S.W.	S.W.	S.S.W.	S.S.W.	S.W.						
	Miles p.h...:	9	9	0	17	24	20	20	25	26	27	26	16	16	16
19	Direction...	S.S.W.	S.W.	S.S.W.	S.S.W.	S.S.W.	S.S.W.								
	Miles p.h...:	15	16	15	16	15	16	17	17	20	25	28	20	28	28
20	Direction...	W.S.W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.							
	Miles p.h...:	22	18	19	21	20	24	24	22	24	28	27	31	32	34
21	Direction...	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.
	Miles p.h...:	34	33	35	36	34	33	30	28	33	32	34	25	26	26
22	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.
	Miles p.h...:	16	17	20	12	1	0	5	20	19	17	14	5	6	12
23	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h...:	27	29	30	31	30	29	27	28	28	26	27	28	27	27
24	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.	W.	W.
	Miles p.h...:	27	28	22	26	10	16	20	25	26	23	28	32	24	26
25	Direction...	W.S.W.	W.S.W.	W.N.W.	W.N.W.	W.									
	Miles p.h...:	24	18	8	19	19	24	26	28	26	18	6	11	9	9
26	Direction...	W.	S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	S.W.	S.W.	C.	S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h...:	28	25	18	11	11	10	23	15	15	0	10	9	15	16
27	Direction...	W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.	W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h...:	24	16	18	27	24	20	22	23	26	27	26	30	29	29
28	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h...:	32	34	28	28	26	25	26	26	26	28	26	27	25	25
29	Direction...	N.N.E.	N.N.E.	C.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h...:	16	5	0	25	29	27	26	23	16	8	9	16	9	11
30	Direction...	C.	C.	C.	C.	C.	C.	C.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.
	Miles p.h...:	0	0	0	0	0	0	0	9	14	16	19	22	22	18
31	Direction...	S.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.	S.S.E.						
	Miles p.h...:	18	20	23	22	24	20	24	25	27	25	24	23	21	20
	Mean.	20.2	19.6	18.9	21.5	20.6	20.1	21.7	22.7	22.2	21.7	21.9	21.3	20.2	21.3

## METEOROLOGY—MACQUARIE ISLAND STATION.

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## —WIND VELOCITY—continued.

OCTOBER, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight	Daily Total	Mean.	Max.	Min.	Max. Gust	Daily Total Anemometer	Date
W.N.W. 29	W.N.W. 25	W.N.W. 24	W.N.W. 21	W.N.W. 18	W.N.W. 26	W.N.W. 31	W.N.W. 28	W.N.W. 30	W.N.W. 30	585	24.4	32	0	42	370.14	Direction Miles p.h.
N.W. 26	N.W. 23	N.W. 20	N.W. 18	N.W. 14	N.W. 0	C. 0	C. 0	C. 0	C. 0	489	20.4	34	0	42	567.82	Direction Miles p.h.
E.S.E. 26	E.S.E. 23	E.S.E. 24	E.S.E. 20	E.S.E. 17	E.S.E. 16	E.S.E. 23	E.S.E. 24	E.S.E. 21	E.S.E. 21	521	21.7	27	0	36	358.62	Direction Miles p.h.
E.S.E. 44	E.S.E. 43	E.S.E. 41	E.S.E. 39	E.S.E. 38	E.S.E. 36	E.S.E. 35	E.S.E. 35	E.S.E. 34	E.S.E. 32	889	37.0	45	26	55	618.60	Direction Miles p.h.
W.S.W. 4	W.S.W. 10	W.S.W. 12	W.S.W. 19	W.N.W. 23	W.N.W. 28	W.N.W. 31	W.N.W. 30	W.N.W. 33	W.N.W. 32	505	21.0	35	3	46	774.90	Direction Miles p.h.
W.N.W. 36	W.N.W. 36	W.N.W. 35	W.N.W. 35	W.N.W. 33	W.N.W. 32	W.N.W. 34	W.N.W. 34	W.N.W. 32	W.N.W. 31	806	33.6	36	29	47	519.12	Direction Miles p.h.
W.N.W. 35	W.N.W. 35	W.N.W. 36	W.N.W. 35	W.N.W. 36	W.N.W. 36	W.N.W. 35	W.N.W. 34	W.N.W. 34	W.N.W. 33	843	35.1	38	34	47	788.97	Direction Miles p.h.
W.S.W. 3	W.S.W. 23	W.S.W. 24	W.S.W. 26	W.S.W. 27	W.S.W. 28	C. 1	C. 0	C. 0	C. 0	354	14.7	36	0	46	91.96	Direction Miles p.h.
N.W. 22	N.W. 23	N.W. 24	N.W. 26	N.W. 27	N.W. 28	N.W. 31	N.W. 33	N.W. 34	N.W. 36	159	6.6	27	0	40	627.47	Direction Miles p.h.
W. 26	W.S.W. 23	W.S.W. 21	W.S.W. 18	W.S.W. 15	W.S.W. 4	W. 4	C. 0	C. 0	C. 0	623	26.0	42	0	54	629.12	Direction Miles p.h.
E.S.E. 10	E.S.E. 5	E.S.E. 1	C. 0	C. 0	W.N.W. 24	W.N.W. 26	W.N.W. 30	W.N.W. 30	W.N.W. 32	315	13.1	32	0	39	350.55	Direction Miles p.h.
W.N.W. 20	W.N.W. 23	W.N.W. 25	W.N.W. 17	W.N.W. 15	W.N.W. 23	W.N.W. 25	W.N.W. 35	W.N.W. 34	W.N.W. 30	643	26.8	35	15	47	471.16	Direction Miles p.h.
W.N.W. 4	C. 0	C. 0	C. 0	C. 0	W.N.W. 14	W.N.W. 15	W.N.W. 0	W.N.W. 0	W.N.W. 0	286	11.9	30	0	53	512.95	Direction Miles p.h.
N.N.W. 29	N.N.W. 29	N.N.W. 35	N.N.W. 35	N.N.W. 32	N.N.W. 20	N.N.W. 15	N.N.W. 18	N.N.W. 20	N.N.W. 18	110	4.6	24	0	35	119.55	Direction Miles p.h.
W.N.W. 21	W.N.W. 21	W.N.W. 21	W.N.W. 28	W.N.W. 19	W.N.W. 23	W.N.W. 15	W.N.W. 15	W.N.W. 14	W.N.W. 14	643	26.8	35	19	54	309.93	Direction Miles p.h.
W.N.W. 21	W.S.W. 21	W.N.W. 21	W.N.W. 28	W.N.W. 19	W.N.W. 24	W.N.W. 15	W.N.W. 15	W.N.W. 16	W.N.W. 17	526	21.9	28	6	44	557.27	Direction Miles p.h.
S.S.W. 20	S.S.W. 20	S.S.W. 19	S.S.W. 10	S.S.W. 0	S.S.W. 0	C. 0	7	0	4	146	16.1	20	0	30	380.75	Direction Miles p.h.
S.S.W. 24	S.S.W. 7	S.S.W. 13	S.S.W. 24	S.S.W. 22	S.S.W. 16	W.S.W. 24	25	18	16	440	18.3	27	0	45	256.30	Direction Miles p.h.
S.S.W. 26	S.S.W. 24	S.S.W. 22	S.S.W. 20	S.S.W. 22	S.S.W. 9	W.S.W. 14	14	15	14	443	18.5	28	9	54	352.05	Direction Miles p.h.
W.N.W. 36	W.N.W. 19	W.S.W. 16	W.S.W. 30	W.S.W. 28	W.S.W. 26	W.S.W. 31	W.S.W. 28	W.S.W. 32	W.S.W. 36	628	26.2	36	16	55	407.72	Direction Miles p.h.
W. 25	W.N.W. 25	W.N.W. 25	W.N.W. 30	W.N.W. 28	W.N.W. 29	W.N.W. 30	W.N.W. 26	W.N.W. 25	W.N.W. 22	701	29.2	36	22	56	688.83	Direction Miles p.h.
W.S.W. 12	W.S.W. 17	W. 20	W.N.W. 20	W.N.W. 20	W.N.W. 26	W.N.W. 23	W.N.W. 26	W.N.W. 26	W.N.W. 29	383	16.0	29	0	38	495.62	Direction Miles p.h.
W.N.W. 26	W.N.W. 26	W.N.W. 26	W.N.W. 24	W.N.W. 24	W.N.W. 20	W.N.W. 22	W.N.W. 21	W.N.W. 16	W.N.W. 15	615	25.6	31	15	39	491.48	Direction Miles p.h.
W. 25	W.S.W. 23	W.S.W. 26	W.S.W. 28	W.S.W. 32	W.S.W. 28	W.S.W. 26	W.S.W. 27	W.S.W. 17	W.S.W. 12	577	24.0	32	16	46	477.45	Direction Miles p.h.
W.S.W. 22	W.S.W. 17	W.S.W. 20	W.N.W. 16	W.N.W. 15	W.N.W. 0	13	18	22	1	406	14.9	28	0	45	553.98	Direction Miles p.h.
W.S.W. 9	W.S.W. 7	W.S.W. 20	W.S.W. 3	W.S.W. 10	W.S.W. 10	W.S.W. 16	W.S.W. 16	W.S.W. 15	W.S.W. 21	333	18.9	28	0	46	347.80	Direction Miles p.h.
W.N.W. 26	W.N.W. 30	W.N.W. 39	W.N.W. 33	W.N.W. 37	W.N.W. 36	W.N.W. 36	W.N.W. 37	W.N.W. 36	W.N.W. 34	679	28.3	37	16	47	380.93	Direction Miles p.h.
N.N.W. 21	N.N.W. 21	N.N.W. 18	N.N.W. 15	N.N.W. 18	N.N.W. 24	N.N.W. 24	N.N.W. 24	N.N.W. 20	N.N.W. 15	581	24.2	34	15	41	648.70	Direction Miles p.h.
N.W. 13	N.W. 4	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	237	9.9	29	0	46	429.25	Direction Miles p.h.
S.S.E. 20	S.S.E. 22	S.S.E. 23	S.S.E. 26	S.S.E. 22	S.S.E. 21	S.S.E. 21	S.S.E. 21	S.S.E. 9	S.S.E. 14	319	13.3	26	0	31	141.49	Direction Miles p.h.
S.S.E. 21	S.S.E. 20	S.S.E. 15	S.S.E. 0	S.S.E. 14	S.S.E. 1	S.S.E. 10	S.S.E. 0	S.S.E. 6	S.S.E. 0	403	16.8	27	0	35	385.71	Direction Miles p.h.
21.3	19.6	19.9	19.5	19.4	18.4	20.3	20.6	19.5	19.6	489.9	20.3	31.7	7.6	44.5	454.72	Mean.

## MACQUARIE ISLAND.

Table V.—WIND DIRECTION

Date.		1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.
1	Direction...	S.S.E.	C.	C.	C.	C.	C.	C.	C.	C.	W.	W.	W.	W.	W.
	Miles p.h....	7	0	0	0	0	0	0	0	0	5	8	9	5	5
2	Direction...	W.N.W.	W.N.W.	N.W.	N.W.	N.W.									
	Miles p.h....	27	26	26	32	26	28	26	22	16	15	23	23	24	24
3	Direction...	N.	N.	N.	N.N.E.	N.N.E.	N.N.E.	N.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	30	28	32	20	18	26	30	24	24	25	28	32	28	28
4	Direction...	N.N.W.	N.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	16	18	24	13	12	14	4	2	7	4	2	2	9	9
5	Direction...	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	E.N.E.	N.E.	N.	N.W.	W.N.W.	W.N.W.
	Miles p.h....	40	35	30	18	13	13	13	20	22	12	33	22	26	29
6	Direction...	W.N.W.	W.N.W.	C.	C.	C.									
	Miles p.h....	34	38	36	30	32	30	28	27	23	21	16	16	0	0
7	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.									
	Miles p.h....	18	23	21	20	22	23	22	24	24	22	27	14	20	14
8	Direction...	C.	C.	C.	C.	C.	C.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	0	0	0	0	0	0	0	12	2	7	8	11	16	18
9	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.	W.	W.	W.	W.	W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	12	13	19	25	20	21	23	24	25	24	17	22	19	17
10	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Direction...	C.	C.	C.	C.	N.N.W.	N.N.W.	N.N.E.	N.N.E.	N.E.	N.E.	N.E.	C.	C.	C.
	Miles p.h....	0	0	0	0	10	8	10	8	1	1	4	0	0	0
12	Direction...	C.	C.	C.	C.	C.	C.	C.	W.	C.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.N.W.
	Miles p.h....	0	0	0	0	0	0	0	0	0	2	1	2	7	3
13	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	24	26	25	26	24	25	23	26	26	26	25	26	26	23
14	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	0	0	0	0	0	0	0	0	0	2	13	16	21	24
15	Direction...	W.N.W.	W.N.W.	W.N.W.	C.	W.N.W.	C.	W.N.W.	W.N.W.	W.N.W.	W.	W.	W.	W.	W.
	Miles p.h....	2	5	1	0	8	0	5	7	9	10	7	10	10	8
16	Direction...	C.	C.	C.	C.	C.	S.S.E.	S.S.E.	S.S.E.	C.	S.	W.	W.	W.	W.
	Miles p.h....	0	0	0	0	0	8	6	1	0	1	9	5	8	8
17	Direction...	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	26	26	27	26	27	20	22	23	24	24	28	28	25	26
18	Direction...	C.	N.W.	C.	C.	C.	C.	C.	S.S.E.	S.S.E.	S.S.E.	S.	S.	S.	S.
	Miles p.h....	0	2	0	0	0	0	0	17	23	31	34	35	34	29
19	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.
	Miles p.h....	8	2	5	5	11	21	18	21	18	22	22	21	22	19
20	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	30	33	36	34	34	37	38	40	39	37	35	37	37	26
21	Direction...	N.W.	N.W.	N.N.W.	N.N.W.	N.W.	N.W.	N.W.	N.W.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	27	31	30	33	36	38	38	37	35	35	29	33	32	36
22	Direction...	N.N.W.	N.N.W.	N.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	N.N.W.						
	Miles p.h....	14	17	16	20	25	26	26	25	26	29	27	25	26	20
23	Direction...	C.	C.	C.	N.N.W.	N.N.W.	N.W.	N.N.W.	N.W.						
	Miles p.h....	0	0	0	11	16	10	18	20	10	2	1	1	1	1
24	Direction...	W.S.W.	W.S.W.	W.N.W.	W.	W.	W.	W.	W.	W.	W.N.W.	W.	W.	W.	W.
	Miles p.h....	21	21	26	23	18	12	12	17	10	9	15	6	6	6
25	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	C.	N.E.	C.
	Miles p.h....	0	0	0	0	0	0	0	0	0	0	0	0	5	0
26	Direction...	S.E.	S.S.E.	S.S.E.	S.S.E.	S.E.	C.	C.	C.						
	Miles p.h....	22	23	27	25	23	23	24	24	24	20	10	0	0	0
27	Direction...	C.	C.	C.	C.	C.	C.	C.	C.	C.	N.E.	N.E.	N.E.	N.E.	N.E.
	Miles p.h....	0	0	0	0	0	0	0	0	0	6	4	2	9	7
28	Direction...	C.	C.	N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.	W.N.W.
	Miles p.h....	0	0	7	23	26	22	28	20	24	23	17	14	14	8
29	Direction...	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	E.S.E.	C.	C.	N.N.W.	N.W.	N.W.	N.W.	N.W.
	Miles p.h....	26	21	19	21	20	13	1	0	0	0	14	15	14	17
30	Direction...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	C.	C.	C.	S.S.W.	S.S.W.	S.S.W.	S.S.W.	W.	W.	W.
	Miles p.h....	14	17	18	10	0	0	0	10	8	15	10	16	13	10
	Mean.	13.3	13.5	13.2	13.8	14.1	13.9	14.8	15.4	14.3	14.4	15.5	15.2	15.3	13.8

—WIND VELOCITY—*continued.*

NOVEMBER, 1915.

3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Total.	Mean.	Max.	Min.	Max.	Daily Total Cup Anemometer.	Date.
W. 4	W.N.W. 4	N.W. 1	N.W. 16	N.W. 20	N.W. 18	N.W. 26	N.W. 22	W.N.W. 23	W.N.W. 24	192	8·0	26	0	32	207·98	1
N.W. 19	N.W. 20	N.N.W. 22	N.N.W. 19	N.N.W. 27	N.N.W. 21	N.N.W. 22	N.N.W. 26	N. 25	N. 31	570	23·7	32	15	44	354·22	2
W.N.W. 28	W.N.W. 26	W.N.W. 19	W.N.W. 21	W.N.W. 20	W.N.W. 17	W.N.W. 19	W.N.W. 19	N.N.W. 16	N.N.W. 18	576	24·0	32	16	56	442·10	3
N.W. 10	N. 13	C. 0	C. 0	N.E. 16	N.E. 16	N.E. 20	N.E. 16	N.E. 30	N.E. 26	282	11·7	30	0	56	400·21	4
W.N.W. 31	W.N.W. 28	W.N.W. 27	W.N.W. 34	W.N.W. 36	W.N.W. 34	W.N.W. 38	W.N.W. 34	W.N.W. 36	W.N.W. 36	660	27·5	40	12	62	298·09	5
C. 0	C. 0	C. 0	C. 0	S.W. 6	C. 0	C. 0	W. 4	W.N.W. 12	W.N.W. 7	360	15·0	38	0	52	697·83	6
C. 0	C. 0	N.W. 2	N.W. 1	N.W. 1	C. 1	C. 0	W.N.W. 0	W.N.W. 2	W.N.W. 0	300	12·5	27	0	37	261·51	7
W.N.W. 18	W.N.W. 24	W.N.W. 16	W.N.W. 14	W.N.W. 12	W.N.W. 18	W.N.W. 21	W.N.W. 18	W.N.W. 8	W.N.W. 14	257	10·7	24	0	30	190·22	8
W.N.W. 7	W.N.W. 1	G. 0	I. 0	O. 0	O. 0	O. 0	O. 0	C. 0	C. 0	290	12·1	25	0	41	364·28	9
C. 0	C. 0	C. 0	C. 0	W.N.W. 2	C. 0	W. 8	W.N.W. 24	C. 0	W.N.W. 0	34	1·4	24	0	20	137·00	10
C. 0	N.E. 2	C. 0	C. 0	C. 0	N.E. 0	C. 1	C. 0	C. 0	C. 0	45	1·9	10	0	28	126·96	11
N.N.W. 14	N. 16	N.E. 1	C. 0	N.E. 7	N.E. 11	N.E. 13	N.E. 1	W.N.W. 17	W.N.W. 27	130	5·4	27	0	35	67·86	12
N.W. 26	N.W. 14	N.N.W. 6	N.N.W. 6	W.N.W. 15	W.N.W. 2	W.N.W. 14	W.N.W. 8	W.N.W. 8	W.N.W. 13	463	19·3	26	2	36	323·34	13
W.N.W. 23	W.N.W. 18	W.N.W. 17	W.N.W. 19	W.N.W. 9	W.N.W. 8	W.N.W. 6	W.N.W. 5	W.N.W. 2	W.N.W. 1	184	7·7	24	0	33	236·81	14
W. 2	W. 9	S.S.E. 17	S.S.E. 22	S.S.E. 30	S.S.E. 30	S.S.E. 30	S.S.E. 18	S.S.E. 21	S.S.E. 14	275	11·5	30	0	42	266·51	15
W.N.W. 12	W.N.W. 8	C. 0	C. 0	W.N.W. 2	C. 0	C. 0	W.N.W. 16	W.N.W. 16	W.N.W. 19	110	5·0	19	0	32	258·02	16
W.N.W. 20	W.N.W. 22	W.N.W. 23	W.N.W. 18	W.N.W. 16	W.N.W. 18	W.N.W. 8	W.N.W. 2	W.N.W. 2	W.N.W. 0	481	20·0	28	0	44	298·85	17
S. 26	S.W. 27	S.W. 19	S.W. 11	S.W. 4	S.W. 6	S.W. 9	S.W. 13	S.W. 9	S.W. 11	375	15·6	35	0	47	305·16	18
W.S.W. 22	W.S.W. 18	W. 20	W. 1	W. 8	W. 4	W.N.W. 18	W.N.W. 23	W.N.W. 21	W.N.W. 24	374	15·6	24	1	36	396·45	19
W.N.W. 25	W.N.W. 27	W.N.W. 26	W.N.W. 26	W.N.W. 26	W.N.W. 25	W.N.W. 23	W.N.W. 23	W.N.W. 24	W.N.W. 14	732	30·5	40	14	53	532·44	20
W.N.W. 37	W.N.W. 36	W.N.W. 35	W. 34	W. 28	W. 26	W. 23	W. 20	W.N.W. 19	W.N.W. 2	730	30·4	38	2	51	620·56	21
N. 23	N. 22	N.N.W. 26	N.N.W. 18	N.N.W. 17	N.N.W. 18	N.N.W. 13	N.N.W. 10	N. 5	N. 0	474	19·7	29	0	49	537·33	22
W.N.W. 8	W.N.W. 8	W.S.W. 20	W.S.W. 8	W.S.W. 20	W.S.W. 10	W.S.W. 10	W.S.W. 11	W.S.W. 21	W.S.W. 22	229	9·5	22	0	44	267·74	23
W. 4	W. 4	W. 3	W. 9	W. 0	C. 0	C. 0	C. 0	C. 0	C. 0	226	9·4	26	0	39	285·24	24
N.E. 6	E.N.E. 12	E. 13	E. 16	E. 16	E. 10	E. 22	E. 23	E. 21	E.S.E. 22	166	6·9	23	0	32	105·67	25
W.N.W. 6	C. 0	N.W. 2	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	253	10·5	27	0	32	354·07	26
C. 0	N.E. 8	N.E. 9	N.E. 7	N.E. 11	N.E. 1	N.E. 1	N.E. 0	C. 0	N.E. 2	67	2·8	11	0	24	110·37	27
C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	C. 0	E.S.E. 7	E.S.E. 15	248	10·3	28	0	37	189·40	28
N.W. 24	N.W. 25	N.W. 22	N.W. 24	N.W. 20	N.W. 17	N.W. 14	N.W. 8	N.W. 9	N.W. 8	352	14·7	26	0	37	258·41	29
W. 13	W. 18	W. 17	W. 14	W. 15	W. 10	W. 9	W. 9	W. 8	W. 8	262	10·9	18	0	40	299·34	30
13·6	13·7	12·0	11·0	12·7	10·8	11·9	11·4	12·9	11·9	323·5	13·5	26·9	2·1	40·0	306·47	Mean.

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TABLE VI.

**WIND DIRECTION—WIND  
VELOCITY**

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Percentage frequencies and mean velocities for each direction.

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Table VI.—WIND DIRECTION—WIND VELOCITY.

*Percentage Frequencies and Mean Velocities for each Direction.*

## MACQUARIE ISLAND.

JANUARY, 1912.

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.*

*Percentage Frequencies and Mean Velocities for each Direction.*

## MACQUARIE ISLAND.

FEBRUARY, 1912.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.
North .....	4	10·0	.....	.....	0	.....	.....	.....	4	4·0	2·7	7·0
N.N.E. ....	0	0	.....	.....	4	13·0	.....	.....	0	0	1·3	13·0
N.E. ....	..	..	.....	.....	..	..	.....	.....	..	..	..	..
E.N.E. ....	..	..	.....	.....	4	..	.....	.....	..	..	..	..
East .....	4	10·0	.....	.....	4	8·0	.....	.....	0	0	2·6	9·0
E.S.E. ....	..	..	.....	.....	..	..	.....	.....	..	..	..	..
S.E. ....	..	..	.....	.....	..	..	.....	.....	..	..	..	..
S.S.E. ....	..	..	.....	.....	..	..	.....	.....	..	..	..	..
South .....	4	6·0	.....	.....	0	0	.....	.....	4	5·0	2·7	5·5
S.S.W. ....	0	0	.....	.....	4	6·0	.....	.....	4	4·0	2·7	5·0
S.W. ....	16	10·2	.....	.....	8	11·5	.....	.....	8	9·0	10·7	10·2
W.S.W. ....	0	0	.....	.....	12	7·0	.....	.....	4	13·0	5·3	7·0
West .....	28	11·9	.....	.....	16	18·7	.....	.....	24	15·8	22·6	11·9
W.N.W. ....	12	9·0	.....	.....	32	10·6	.....	.....	16	12·0	20·0	10·6
N.W. ....	32	12·6	.....	.....	20	9·6	.....	.....	28	9·0	26·7	12·6
N.N.W. ....	0	0	.....	.....	0	0	.....	.....	8	15·0	2·7	15·0
Calm .....	..	..	.....	.....	..	..	.....	.....	..	..	..	..

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

*Percentage Frequencies and Mean Velocities for each Direction.*

## MACQUARIE ISLAND.

MARCH, 1912.

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

*Percentage Frequencies and Mean Velocities for each Direction.*

## MACQUARIE ISLAND

APRIL, 1912.

Direction.	9 a.m.		Noon		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	3	m.p.h. 8.0	6	m.p.h. 11.0	3	m.p.h. 11.0	7	m.p.h. 7.0	3	m.p.h. 4.3	% Whole Month.	m.p.h. 7.0
N.N.E. ....	3	5.0	.....	.....	3	7.0	0	.....	0	0	% Whole Month.	6.0
N.E. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	% Whole Month.	.....
E.N.E. ....	0	0	.....	.....	3	5.0	3	4.0	2	2.0	% Whole Month.	4.5
East .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	% Whole Month.	.....
E.S.E. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	% Whole Month.	.....
S.E. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	% Whole Month.	.....
S.S.E. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	% Whole Month.	.....
South .....	3	4.0	.....	.....	6	13.0	3	12.0	4	4.0	% Whole Month.	13.0
S.S.W. ....	7	9.0	.....	.....	0	0	3	16.0	3	3.3	% Whole Month.	9.0
S.W. ....	7	8.0	.....	.....	14	10.2	14	9.5	11	11.7	% Whole Month.	9.9
W.S.W. ....	10	10.0	.....	.....	7	10.5	6	11.0	7	7.7	% Whole Month.	10.0
West .....	30	12.0	.....	.....	20	13.3	20	9.0	23	23.3	% Whole Month.	12.0
W.N.W. ....	3	11.0	.....	.....	20	12.0	17	10.6	13	13.3	% Whole Month.	12.0
N.W. ....	27	14.5	.....	.....	17	12.6	27	13.9	23	23.7	% Whole Month.	14.2
N.N.W. ....	7	19.5	.....	.....	7	21.0	0	0	4	4.7	% Whole Month.	20.3
Calm .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	% Whole Month.	.....

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

*Percentage Frequencies and Mean Velocities for each Direction.*

## MACQUARIE ISLAND.

MAY, 1912.

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

*Percentage Frequencies and Mean Velocities for each Direction.*

## MACQUARIE ISLAND.

JUNE, 1912.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.**Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

JULY, 1912.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Fre- quency.	Mean Velocity.										
North .....	%	m.p.h.	%	m.p.h.								
N.N.E. ....	3	19·0	0	0	0	18·0	0	0	0	0	2·0	18·5
N.E. ....	0	0	...	...	...	0	...	...	3	18·0	1·0	18·0
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	...	...	...	...	...	...	...	...	...	...	...	...
E.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.E. ....	3	12·0	...	...	6	10·5	...	...	6	12·0	5·0	11·3
S.S.E. ....	...	...	...	...	0	...	...	...	3	6·0	3·0	6·5
South .....	6	6·5	...	...	0	0	...	...	...	...	...	...
S.S.W. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.W. ....	3	8·0	...	...	0	0	...	...	6	13·5	3·0	13·5
W.S.W. ....	6	20·0	...	...	16	11·8	...	...	14	10·7	12·0	11·8
West .....	33	14·3	...	...	29	16·8	...	...	16	14·6	26·0	14·3
W.N.W. ....	13	15·7	...	...	16	11·4	...	...	16	16·8	15·0	14·1
N.W. ....	33	13·3	...	...	27	13·9	...	...	30	13·9	30·0	13·3
N.N.W. ....	0	0	...	...	3	16·0	...	...	3	15·0	2·0	15·5
Calm .....	0	0	...	...	0	0	...	...	3	0	1·0	...

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.**Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

AUGUST, 1912.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Fre- quency.	Mean Velocity.										
North .....	%	m.p.h.	%	m.p.h.								
N.N.E. ....	3	16·0	6	1·0	...	...	3	24·0	0	22·0	3·0	20·7
N.E. ....	...	...	...	...	...	...	...	10·0	0	0	3·0	1·0
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	0	0	...	...	6	1·5	...	...	3	1·0	3·0	1·5
E.S.E. ....	3	3·0	0	0	0	0	...	...	0	0	1·0	3·0
S.E. ....	0	0	...	...	3	6·0	...	...	3	16·0	2·0	11·0
S.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
South .....	0	0	...	...	3	23·0	...	...	10	8·3	4·3	8·3
S.S.W. ....	6	18·0	...	...	3	10·0	...	...	0	0	3·0	18·0
S.W. ....	3	9·0	...	...	0	0	...	...	0	0	1·0	9·0
W.S.W. ....	17	13·0	...	...	3	1·0	...	...	3	12·0	7·7	13·0
West .....	6	12·5	...	...	20	16·8	...	...	24	13·9	16·7	13·9
W.N.W. ....	20	17·3	...	...	19	21·2	...	...	19	19·1	19·3	19·2
N.W. ....	27	21·5	...	...	24	21·3	...	...	19	19·3	23·3	21·5
N.N.W. ....	6	20·0	...	...	10	21·0	...	...	10	22·6	8·7	21·8
Calm .....	3	0	...	...	3	0	...	...	6	0	4·0	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

SEPTEMBER, 1912.

Direction.	0 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.
North .....	10	m.p.h. 15.6	%	m.p.h.	10	m.p.h. 10.7	%	m.p.h.	11	m.p.h. 11.7	10.3	12.7
N.N.E. ....	3	16.0	...	...	3	14.0	...	...	3	11.0	3.0	13.7
N.E. ....	0	0	...	0	0	0	...	...	3	9.0	1.0	9.0
E.N.E. ....	0	0	...	0	7	2.5	...	...	3	1.0	3.3	2.5
East .....	0	0	...	0	0	0	...	...	0	0	0	0
E.S.E. ....	7	3.5	...	0	3	1.0	...	0	3	12.0	4.3	3.5
S.E. ....	10	15.3	...	0	7	12.5	...	0	0	0	5.7	15.3
S.S.E. ....	3	20.0	...	0	3	23.0	...	0	11	11.0	5.7	11.0
South .....	10	14.3	...	0	7	6.5	...	0	3	13.0	6.7	14.3
S.S.W. ....	0	0	0	0	3	27.0	0	0	3	23.0	2.0	25.0
S.W. ....	3	15.0	0	0	0	0	0	0	3	5.0	2.0	10.0
W.S.W. ....	7	8.5	0	0	7	15.5	0	0	3	9.0	5.7	12.0
West .....	0	0	0	0	7	21.0	0	0	14	16.7	7.0	16.7
W.N.W. ....	13	15.5	0	0	13	9.2	0	0	3	11.0	9.7	12.3
N.W. ....	20	14.2	0	0	7	25.0	0	0	10	15.3	12.3	14.2
N.N.W. ....	7	13.0	0	0	14	10.7	0	0	7	11.0	9.3	10.7
Calm .....	7	0	0	0	9	0	0	0	20	0	12.0	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

OCTOBER, 1912.

Direction.	9 a.m.		12 noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.
North .....	% 33	m.p.h. 14.0	%	m.p.h.	% 0	m.p.h. 0	%	m.p.h.	% 6	m.p.h. 16.5	% 3.0	m.p.h. 16.5
N.N.E. ....	0	0	0	0	3	18.0	0	0	0	0	1.0	18.0
N.E. ....	0	0	0	0	0	0	0	0	0	0	0	0
E.N.E. ....	3	1.0	0	0	0	0	0	0	3	8.0	2.0	4.5
East .....	0	0	0	0	0	0	0	0	0	0	0	0
E.S.E. ....	0	0	0	0	3	15.0	0	0	0	0	1.0	15.0
S.E. ....	0	0	0	0	0	0	0	0	0	0	0	0
S.S.E. ....	0	0	0	0	0	0	0	0	3	9.0	1.0	9.0
South .....	0	0	0	0	0	0	0	0	0	0	0	0
S.S.W. ....	3	17.0	0	0	0	0	0	0	0	0	1.0	17.0
S.W. ....	3	17.0	0	0	3	14.0	0	0	0	0	2.0	15.5
W.S.W. ....	17	17.6	0	0	17	17.2	0	0	14	17.2	16.0	17.4
West .....	24	15.1	0	0	27	16.5	0	0	37	18.4	29.3	18.4
W.N.W. ....	17	12.8	0	0	3	21.0	0	0	10	15.7	10.0	12.8
N.W. ....	20	24.7	0	0	27	22.7	0	0	14	21.0	20.3	22.7
N.N.W. ....	10	21.0	0	0	6	22.0	0	0	13	23.7	9.7	23.7
Calm .....	0	0	0	0	11	0	0	0	0	0	3.7	0

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

*Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

NOVEMBER, 1912.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.
North .....	% 3	m.p.h. 16.0	% 3	m.p.h. 8.0	% 3	m.p.h. 9.0	% 0	m.p.h. 0	% 0	m.p.h. 0	% 1.8	m.p.h. 11.0
N.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	...	...	...	...	...	...	...	...	...	...	...	...
E.S.E. ....	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 3	11.0 13.0	0.6 0.6	11.0 13.0
S.E. ....	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 3	13.0 13.0	0.6 0.6	13.0 13.0
S.S.E. ....	10 18.3	3 13.0	3 13.0	3 16.0	3 13.0	3 13.0	0 0	0 0	0 0	0 0	3.8 3.8	18.3 18.3
South .....	3 1.0	7 19.0	7 19.0	7 15.0	7 15.0	7 15.0	0 0	0 0	3 3	14.0 14.0	4.0 4.0	17.0 17.0
S.S.W. ....	3 15.0	0 0	0 0	0 0	0 0	0 0	3 3	9.0 9.0	7 7	9.5 9.5	2.6 2.6	9.5 9.5
S.W. ....	7 4.0	10 11.3	7 11.3	7 7.0	10 13.0	7 13.0	7 7	12.5 12.5	7 7	8.2 8.2	12.1 12.1	12.1 12.1
W.S.W. ....	17 15.8	17 13.8	17 13.8	10 18.3	7 18.0	7 18.0	7 7	19.5 19.5	11.6 11.6	11.6 11.6	14.8 14.8	14.8 14.8
West .....	20 14.1	13 15.0	20 15.0	20 15.3	30 18.1	27 17.4	27 27	22.0 22.0	17.4 17.4	17.4 17.4	18.1 18.1	18.1 18.1
W.N.W. ....	10 14.7	17 15.4	20 15.4	20 16.5	17 13.6	13 16.2	13 13	15.4 15.4	16.2 16.2	16.2 16.2	16.5 16.5	16.5 16.5
N.W. ....	24 18.4	23 14.7	23 14.7	23 12.9	17 15.2	17 14.2	17 17	20.8 20.8	14.2 14.2	14.2 14.2	15.3 15.3	15.3 15.3
N.N.W. ....	3 17.0	7 26.5	7 26.5	7 27.5	3 12.0	10 10	10 10	15.3 15.3	6.0 6.0	6.0 6.0	15.3 15.3	15.3 15.3
Calm .....	0 0	0 0	0 0	0 0	10 0	0 0	3 0	0 0	2.6 2.6	0 0	0 0	0 0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

*Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

DECEMBER, 1912.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.
North .....	% 0	m.p.h. 0	% 0	m.p.h. 0	% 0	m.p.h. 0	% 3	m.p.h. 8.0	% 6	m.p.h. 10.5	% 1.8	m.p.h. 10.5
N.N.E. ....	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 3	15.0 15.0	0.6 0.6	15.0 15.0
N.E. ....	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 3	4.0 4.0	0.6 0.6	4.0 4.0
E.N.E. ....	3 4.0	3 9.0	0 9.0	0 0	0 0	0 0	3 17	3 17	3 16.0	2.4 2.4	11.5 11.5	11.5 11.5
East .....	0 0	0 0	0 0	0 0	3 12.0	0 12.0	0 0	0 0	0 0	0 0	0.6 0.6	12.0 12.0
E.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.E. ....	3 8.0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.6 0.6	8.0 8.0
S.S.E. ....	0 0	3 13.0	3 13.0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0.6 0.6	13.0 13.0
South .....	6 12.0	6 8.5	6 8.5	3 17.0	3 22.0	3 22.0	3 17.0	17.0 17.0	4.2 4.2	4.2 4.2	10.3 10.3	10.3 10.3
S.S.W. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.W. ....	6 16.5	0 0	0 0	6 12.0	6 6	6 12.0	6 6	7.5 7.5	3 3	17.0 17.0	4.2 4.2	12.0 12.0
W.S.W. ....	6 14.5	3 15.0	3 15.0	6 15.5	10 16.3	10 16.3	6 6	14.5 14.5	6 6	14.5 14.5	6.2 6.2	16.3 16.3
West .....	10 13.3	23 16.1	23 16.1	6 14.5	3 18.0	3 18.0	3 3	12.0 12.0	9.0 9.0	9.0 9.0	16.1 16.1	16.1 16.1
W.N.W. ....	20 18.5	23 17.3	23 17.3	30 17.2	19 13.3	19 13.3	27 27	15.4 15.4	23.8 23.8	23.8 23.8	17.2 17.2	17.2 17.2
N.W. ....	30 20.1	23 15.7	24 19.8	37 18.2	30 19.6	30 19.6	30 30	28.8 28.8	19.6 19.6	28.8 28.8	18.2 18.2	18.2 18.2
N.N.W. ....	10 19.0	16 22.2	19 18.1	10 10.3	3 3	3 22.0	11.6 11.6	11.6 11.6	0 0	0 0	18.1 18.1	18.1 18.1
Calm .....	6 0	0 0	0 0	6 0	6 6	6 0	10 10	5.0 5.0	0 0	0 0	0 0	0 0

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.*

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

JANUARY, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	0	m.p.h. 0	% 0	m.p.h. 0	% 0	m.p.h. 0	% 6	m.p.h. 9.0	% 10	m.p.h. 11.7	% 3.2	m.p.h. 11.7
N.N.E. ....	0	0	0	0	0	0	0	0	3	8.0	0.6	8.0
N.E. ....	0	0	0	0	0	0	0	0	3	6.0	0.6	6.0
E.N.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
East .....	..	..	..	..	..	..	..	..	..	..	..	..
E.S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.S.E. ....	3	16.0	0	0	0	0	0	0	0	0	0.6	16.0
South .....	0	0	0	0	0	0	0	0	3	11.0	0.6	11.0
S.S.W. ....	0	0	3	22.0	0	0	0	0	0	0	0.6	22.0
S.W. ....	3	1.0	0	0	10	11.0	10	13.3	6	14.0	5.8	12.2
W.S.W. ....	16	15.8	16	18.4	10	10.3	13	13.2	17	17.6	14.4	17.3
West .....	23	17.3	23	11.1	26	15.1	10	15.3	10	14.3	18.4	15.1
W.N.W. ....	16	15.0	19	14.7	13	19.5	13	16.2	3	18.0	12.8	14.7
N.W. ....	26	22.0	33	20.6	29	22.1	32	17.1	33	17.5	30.6	18.4
N.N.W. ....	3	14.0	6	23.0	6	14.5	6	14.0	6	12.0	5.4	15.9
Calm .....	10	0	0	0	6	0	10	0	6	0	6.4	0

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.*

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

FEBRUARY, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	% 7	m.p.h. 15.5	% 7	m.p.h. 13.5	% 14	m.p.h. 9.0	% 7	m.p.h. 13.5	% 11	m.p.h. 15.3	% 9.2	m.p.h. 9.0
N.N.E. ....	0	0	0	0	0	0	4	14.0	4	16.0	1.6	15.0
N.E. ....	0	0	0	0	0	0	0	0	4	8.0	0.8	8.0
E.N.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
East .....	..	..	..	..	..	..	..	..	..	..	..	..
E.S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.S.E. ....	0	0	4	10.0	4	12.0	4	15.0	0	0	2.4	12.3
South .....	0	0	0	0	0	0	4	16.0	4	24.0	1.6	20.0
S.S.W. ....	0	0	0	0	4	16.0	0	0	0	0	0.8	16.0
S.W. ....	7	13.5	7	13.5	0	0	4	20.0	7	15.0	5.0	14.0
W.S.W. ....	14	19.7	19	19.4	11	17.0	11	18.0	7	18.5	12.4	19.4
West .....	18	13.8	11	15.0	14	15.0	17	15.2	29	16.6	17.8	16.6
W.N.W. ....	11	16.0	23	14.7	18	16.4	10	21.3	13	16.5	15.0	14.7
N.W. ....	22	17.1	15	16.7	25	15.6	24	17.6	13	18.7	19.8	16.6
N.N.W. ....	7	14.5	7	22.0	10	20.3	11	14.7	4	14.0	7.8	17.5
Calm .....	14	0	7	0	0	0	4	0	4	0	5.8	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

MARCH, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Fre- quency.	Mean Velocity.										
North .....	% 0	m.p.h. 0	% 7	m.p.h. 18·0	% 3	m.p.h. 18·0	% 3	m.p.h. 10·0	% 3	m.p.h. 15·0	% 3·2	m.p.h. 18·0
N.N.E. ....	3	20·0	0	0	0	0	3	26·0	3	30·0	1·8	25·3
N.E. ....	0	0	0	0	3	5·0	0	0	0	0	0·6	5·0
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	3	4·0	3	5·0	3	5·0	0	0	0	0	1·8	4·7
E.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.E. ....	3	8·0	7	8·0	0	0	7	9·0	7	8·5	4·8	8·5
S.S.E. ....	7	17·0	0	0	7	12·0	10	12·0	0	0	4·8	12·0
South .....	0	0	0	0	0	0	0	0	10	13·0	2·0	13·0
S.S.W. ....	3	2·0	0	0	0	0	3	15·0	0	0	1·2	8·5
S.W. ....	3	14·0	3	7·0	3	9·0	3	10·0	7	12·0	3·8	12·0
W.S.W. ....	14	14·0	14	13·5	17	14·4	16	12·8	0	0	12·2	13·6
West .....	17	16·8	19	11·7	17	13·8	14	15·2	25	10·1	18·4	10·1
W.N.W. ....	14	16·7	17	20·4	20	18·2	14	19·5	3	24·0	13·6	18·2
N.W. ....	10	19·3	10	20·0	7	15·5	7	19·0	14	18·2	9·6	18·2
N.N.W. ....	3	18·0	0	0	7	17·5	3	20·0	3	22·0	3·2	17·5
Calm .....	20	0	20	0	13	0	17	0	25	0	19·0	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

APRIL, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Fre- quency.	Mean Velocity.										
North .....	% 3	m.p.h. 4·0	% 0	m.p.h. 0	% 0·6	m.p.h. 4·0						
N.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	...	...	...	...	...	...	...	...	...	...	...	...
E.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.E. ....	0	0	0	0	0	0	3	16·0	3	24·0	1·2	20·0
S.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
South .....	...	...	...	...	...	...	...	...	...	...	...	...
S.S.W. ....	0	0	0	0	0	3	8·0	3	12·0	1·2	10·0	
S.W. ....	3	20·0	3	16·0	6	11·5	10	10·6	3	17·0	5·0	10·7
W.S.W. ....	27	15·0	24	17·4	14	17·0	10	18·3	10	14·7	17·0	15·0
West .....	17	15·6	24	16·6	10	16·7	7	18·0	14	15·0	14·4	16·6
W.N.W. ....	24	21·3	17	19·8	27	18·1	24	19·7	30	22·1	24·4	22·1
N.W. ....	23	21·9	23	25·4	23	27·6	27	24·9	20	20·7	23·2	24·9
N.N.W. ....	3	17·0	3	25·0	7	16·0	3	25·0	3	22·0	3·8	16·0
Calm .....	0	0	6	0	13	0	13	0	14	0	9·2	0

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.**Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

MAY, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	% 0	m.p.h. 0	% 0	m.p.h. 0	% 0	m.p.h. 0	% 3	m.p.h. 16.0	% 0	m.p.h. 0	% 0.6	m.p.h. 16.0
N.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	...	...	...	...	...	...	...	...	...	...	...	...
E.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.E. ....	3	12.0	3	30.0	3	35.0	3	28.0	0	0	2.4	26.2
S.S.E. ....	3	17.0	3	20.0	3	23.0	3	25.0	0	0	2.4	21.2
South .....	6	18.0	6	8.5	10	8.3	13	13.2	10	15.3	9.0	13.2
S.S.W. ....	6	16.5	3	6.0	6	14.0	0	0	6	12.5	4.2	14.3
S.W. ....	17	14.2	16	15.4	6	7.5	10	15.6	17	12.4	13.2	14.0
W.S.W. ....	6	17.5	10	14.7	10	19.7	13	9.0	0	0	7.8	9.0
West .....	19	16.0	13	14.7	20	20.0	19	15.5	19	15.1	18.0	16.7
W.N.W. ....	10	9.7	16	21.8	13	14.7	10	14.7	6	15.0	11.0	21.8
N.W. ....	17	19.6	14	18.2	13	16.7	17	10.0	23	16.3	16.8	16.3
N.N.W. ....	3	15.0	6	19.0	6	22.0	3	24.0	6	10.0	4.8	17.0
Calm .....	10	0	10	0	10	0	6	0	13	0	9.8	0

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.**Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

JUNE, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	% 0	m.p.h. 0	% 3	m.p.h. 15.0	% 3	m.p.h. 14.0	% 0	m.p.h. 17.0	% 3	m.p.h. 16.0	% 2.4	m.p.h. 15.5
N.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
E.N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
East .....	...	...	...	...	...	...	...	...	...	...	...	...
E.S.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
S.E. ....	3	10.0	3	28.0	0	0	0	0	0	0	1.2	19.0
S.S.E. ....	0	0	0	0	3	30.0	3	36.0	0	0	1.2	33.0
South .....	7	5.0	0	0	3	19.0	7	14.0	14	17.5	6.2	17.5
S.S.W. ....	3	12.0	3	10.0	3	8.0	0	0	3	9.0	2.4	9.7
S.W. ....	7	7.0	3	4.0	3	13.0	7	7.0	3	3.0	4.6	6.7
W.S.W. ....	7	14.5	17	9.2	14	13.0	14	12.7	7	9.0	11.8	9.2
West .....	17	12.6	17	13.6	17	11.2	17	15.4	23	12.4	18.2	12.4
W.N.W. ....	33	23.4	34	22.4	27	21.4	23	21.3	14	22.0	26.2	22.9
N.W. ....	3	11.0	7	12.5	10	19.3	3	16.0	10	22.0	6.6	20.7
N.N.W. ....	6	17.0	3	4.0	3	16.0	7	21.0	6	23.5	5.0	20.5
Calm .....	14	0	10	0	14	0	16	0	17	0	14.2	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

JULY, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency	Velocity.
	Frequency.	Mean Velocity.										
North .....	% 33	m.p.h. 25.0	% 0	m.p.h. 0	% 33	m.p.h. 6.0	% 3	m.p.h. 5.0	% 0	m.p.h. 0	% 1.8	m.p.h. 12.0
N.N.E. ....	0	0	0	0	3	18.0	3	20.0	3	22.0	1.8	20.0
N.E. ....	0	0	0	0	3	3.0	0	0	0	0	0.6	3.0
E.N.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
East .....	..	..	..	..	..	..	..	..	..	..	..	..
E.S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.S.E. ....	3	13.0	0	0	0	0	3	22.0	3	2.0	1.8	12.3
South .....	3	14.0	3	8.0	3	9.0	7	16.0	11	11.7	5.4	11.7
S.S.W. ....	0	0	7	10.0	7	9.0	3	15.0	0	0	3.4	9.5
S.W. ....	7	7.5	3	12.0	7	7.5	3	6.0	7	10.5	5.4	8.5
W.S.W. ....	7	9.0	7	29.0	0	0	3	25.0	3	26.0	4.0	19.0
West .....	10	23.3	7	6.0	7	23.5	15	17.5	10	21.3	9.8	17.5
W.N.W. ....	10	24.0	17	18.2	14	23.5	18	17.2	14	19.2	14.6	17.7
N.W. ....	29	24.6	25	27.7	25	29.1	15	19.0	25	17.4	23.8	24.6
N.N.W. ....	3	14.0	7	24.0	3	8.0	10	23.6	3	20.0	5.2	23.7
Calm .....	25	0	24	0	25	0	17	0	21	..	22.4	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

AUGUST, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency	Velocity.
	Frequency.	Mean Velocity.										
North .....	% 3	m.p.h. 4.0	% 3	m.p.h. 14.0	% 7	m.p.h. 8.5	% 7	m.p.h. 8.0	% 3	m.p.h. 13.0	% 4.6	m.p.h. 8.3
N.N.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
N.E. ....	0	0	7	9.0	0	0	0	0	0	0	1.4	9.0
E.N.E. ....	3	1.0	0	0	0	0	0	0	0	0	0.6	1.0
East .....	3	12.0	0	0	0	0	0	0	0	0	0.6	12.0
E.S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.S.E. ....	0	0	3	16.0	3	16.0	3	16.0	0	0	1.8	16.0
South .....	0	0	3	13.0	3	22.0	10	8.7	10	8.0	5.2	8.3
S.S.W. ....	3	9.0	0	0	3	7.0	0	0	.3	10.0	1.8	8.7
S.W. ....	3	5.0	7	6.0	3	13.0	0	0	0	0	2.6	6.0
W.S.W. ....	0	0	0	0	0	0	3	15.0	3	6.0	1.2	10.5
West .....	3	18.0	7	15.5	3	2.0	11	12.3	7	20.0	6.2	12.3
W.N.W. ....	7	14.0	7	13.5	11	15.7	3	15.0	10	13.7	7.6	14.7
N.W. ....	39	22.6	39	20.5	45	17.5	39	16.3	25	18.1	37.4	17.5
N.N.W. ....	21	20.7	7	27.5	7	15.5	10	13.7	25	17.1	14.0	17.1
Calm .....	15	0	17	0	15	0	14	0	14	0	15.0	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued:

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

SEPTEMBER, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	%	m.p.h. 15.0	%	m.p.h. 8.0	%	m.p.h. 0	%	m.p.h. 15.0	%	m.p.h. 13.0	%	m.p.h. 13.0
N.N.E. ....	3	16.0	3	15.0	3	18.0	3	15.0	7	13.0	7	2.4
N.E. ....	3	8.0	0	0	0	0	0	0	0	0	0	16.0
E.N.E. ....	..	..	..	..	..	..	..	..	..	..	..	8.0
East .....	0	0	0	0	3	7.0	3	9.0	3	10.0	1.8	8.7
E.S.E. ....	0	0	0	0	3	6.0	0	0	0	0	0.6	6.0
S.E. ....	7	7.5	3	22.0	0	0	0	0	0	0	2.0	7.5
S.S.E. ....	0	0	0	0	7	16.5	3	13.0	0	0	0	16.5
South .....	0	0	3	3.0	3	11.0	7	13.0	3	3.0	3.2	13.0
S.S.W. ....	7	8.0	0	0	0	0	0	0	3	7.0	2.0	8.0
S.W. ....	7	1.0	7	15.0	10	12.7	10	9.3	6	11.5	8.0	11.0
W.S.W. ....	10	17.0	3	20.0	3	15.0	7	17.0	7	15.5	6.0	17.0
West .....	10	26.0	20	16.1	10	19.0	10	17.6	14	25.0	12.8	16.1
W.N.W. ....	20	18.5	10	20.3	3	21.0	3	24.0	20	15.1	11.2	16.8
N.W. ....	24	19.4	34	21.2	41	23.2	37	23.7	17	26.4	30.6	23.2
N.N.W. ....	3	25.0	0	0	7	16.0	10	17.3	13	21.2	6.6	21.2
Calm .....	3	0	14	0	7	0	7	0	7	0	7.6	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

OCTOBER, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Frequency.	Mean Velocity.										
North .....	%	m.p.h. 6.0	%	m.p.h. 10.0	%	m.p.h. 11.0	%	m.p.h. 21.5	%	m.p.h. 20.3	%	m.p.h. 20.3
N.N.E. ....	7	23.0	3	6	3	18.0	0	0	0	0	0	3.2
N.E. ....	..	..	..	..	..	..	..	..	..	..	..	19.8
E.N.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
East .....	..	..	..	..	..	..	..	..	..	..	..	..
E.S.E. ....	..	..	..	..	..	..	..	..	..	..	..	..
S.E. ....	3	15.0	3	19.0	3	19.0	3	20.0	0	0	2.4	18.2
S.S.E. ....	0	0	0	0	0	0	0	0	3	15.0	0.6	15.0
South .....	0	0	0	0	0	0	3	12.0	0	0	0.6	12.0
S.S.W. ....	0	0	0	0	0	0	0	0	6	17.5	1.2	17.5
S.W. ....	3	9.0	3	18.0	0	0	0	0	3	20.0	1.8	15.7
W.S.W. ....	10	17.7	3	16.0	6	23.5	6	19.0	10	20.0	7.0	18.9
West .....	19	16.7	27	19.4	13	19.5	19	19.0	26	16.6	20.8	18.0
W.N.W. ....	29	18.0	19	19.0	24	20.1	24	16.1	23	19.7	23.8	18.0
N.W. ....	23	25.1	33	23.2	32	23.7	33	24.3	13	29.7	26.8	23.7
N.N.W. ....	0	0	3	19.0	10	24.0	3	27.0	0	0	3.2	24.0
Calm .....	3	0	0	0	3	0	3	0	6	0	3.0	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

NOVEMBER, 1913.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Freq. quency.	Mean Velocity.										
North .....	%	m.p.h.	%	m.p.h.								
4	7·0	7	8·5	11	11·0	7	15·0	0	0	5·8	5·8	11·0
N.N.E. ....	4	5·0	0	0	0	0	4	7·0	0	0	1·6	6·0
N.E. ....	0	0	0	0	0	0	4	6·0	7	2·0	2·0	2·0
E.N.E. ....	4	6·0	4	3·0	4	2·0	0	0	4	2·0	3·2	3·2
East .....	4	7·0	0	0	4	5·0	4	2·0	0	0	2·4	4·7
E.S.E. ....	0	0	4	20·0	0	0	0	0	0	0	0·8	20·0
S.E. ....	7	19·5	4	7·0	4	27·0	7	22·0	7	16·5	5·8	19·3
S.S.E. ....	7	11·0	11	18·7	7	21·0	7	17·0	4	19·0	7·2	18·7
South .....	7	19·5	4	14·0	4	10·0	4	6·0	4	5·0	4·6	19·5
S.S.W. ....	4	8·0	0	0	4	8·0	0	0	0	0	1·6	8·0
S.W. ....	0	0	7	8·0	4	5·0	7	7·5	4	9·0	4·4	7·8
W.S.W. ....	7	19·0	0	0	0	0	0	0	4	7·0	2·2	19·0
West .....	21	12·7	15	14·2	18	14·0	18	17·0	18	16·0	18·0	12·7
W.N.W. ....	17	13·2	18	15·4	22	15·0	12	18·0	11	16·0	16·0	15·0
N.W. ....	4	8·0	7	10·0	4	13·0	7	16·5	7	19·5	5·8	15·3
N.N.W. ....	0	0	4	16·0	0	0	4	12·0	4	13·0	2·4	13·7
Calm .....	10	0	15	0	14	0	15	0	26	0	16·0	0

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

DECEMBER, 1914.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.		
North .....	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.
15	16·0	8	28·0	4	25·0	...	...	4	25·0	6·2	6·2	16·0
N.N.E. ....	0	0	0	0	0	0	4	4·0	0	0	0·8	4·0
N.E. ....	...	...	...	...	...	...	...	...	...	...	...	...
E.N.E. ....	0	0	4	15·0	4	20·0	0	0	0	0	1·6	17·5
East .....	13	16·7	0	0	0	0	0	0	4	12·0	3·4	16·7
E.S.E. ....	0	0	0	0	4	15·0	0	0	8	9·5	2·4	9·5
S.E. ....	0	0	8	22·0	4	27·0	4	24·0	4	22·0	4·0	22·0
S.S.E. ....	4	20·0	4	26·0	4	22·0	8	19·0	0	0	4·0	19·0
South .....	0	0	0	0	0	0	8	15·5	4	18·0	2·4	15·5
S.S.W. ....	4	13·0	4	20·0	12	25·7	8	18·5	4	27·0	6·4	25·7
S.W. ....	15	22·7	20	15·2	8	19·0	8	19·0	12	16·7	12·6	15·2
W.S.W. ....	...	...	...	...	...	...	...	...	...	...	...	...
West .....	15	24·5	12	26·3	16	24·7	30	22·3	33	24·9	21·2	24·9
W.N.W. ....	15	20·7	8	25·0	16	17·7	18	18·8	15	19·2	14·4	18·8
N.W. ....	15	32·5	20	29·2	16	29·3	8	20·5	8	26·0	13·4	29·2
N.N.W. ....	4	6·0	8	21·5	8	11·0	4	20·0	0	0	4·8	16·3
Calm .....	0	0	4	0	4	0	0	0	4	0	2·4	0

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.**Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

JANUARY, 1915.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	% Whole Month.	Average at Greatest Freq.
North	% 15	m.p.h. 16.5	% 12	m.p.h. 18.0	% 8	m.p.h. 14.0	% 4	m.p.h. 15.0	% 8	m.p.h. 19.0	% 9.4	m.p.h. 16.5
N.N.E.	...	...	...	...	...	...	...	...	...	...	...	...
N.E.	0	0	0	0	4	2.0	4	8.0	0	0	1.6	5.0
E.N.E.	...	...	...	...	...	...	...	...	...	...	...	...
East	4	8.0	4	28.0	0	0	0	0	4	11.0	2.4	15.7
E.S.E.	4	15.0	0	0	0	0	0	0	0	0	0.8	15.0
S.E.	0	0	4	15.0	8	20.5	8	16.5	4	20.0	4.8	18.5
S.S.E.	...	...	...	...	...	...	...	...	...	...	...	...
South	4	16.0	0	0	0	0	0	0	0	0	0.8	16.0
S.S.W.	0	0	0	0	4	15.0	8	9.0	4	3.0	3.2	9.0
S.W.	4	9.0	4	14.0	0	0	0	0	4	15.0	2.4	12.7
W.S.W.	4	36.0	12	29.0	4	30.0	4	25.0	4	12.0	5.6	29.0
West	32	23.6	19	22.2	23	21.5	22	18.8	18	29.2	22.8	23.6
W.N.W.	4	20.0	4	21.0	15	17.2	15	27.2	8	21.5	9.2	22.2
N.W.	7	16.5	19	22.7	18	24.0	12	21.0	12	15.7	13.6	23.4
N.N.W.	7	21.0	4	37.0	8	24.5	12	22.3	12	22.6	8.6	22.5
Calm	15	0	18	0	8	0	11	0	22	0	14.8	0

Table VI.—WIND DIRECTION—WIND VELOCITY—*continued.**Percentage Frequencies and Mean Velocities for each Direction.*

MACQUARIE ISLAND.

FEBRUARY, 1915.

Direction.	9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Frequency.	Velocity.
	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	Freq.	Mean Velocity.	% Whole Month.	Average at Greatest Freq.
North	% 0	m.p.h. 0	% 4	m.p.h. 9.0	% 4	m.p.h. 15.0	% 0	m.p.h. 0	% 8	m.p.h. 10.5	% 3.2	m.p.h. 10.5
N.N.E.	0	0	0	0	0	0	0	0	4	9.0	0.8	9.0
N.E.	...	...	...	...	...	...	...	...	...	...	...	...
E.N.E.	...	...	...	...	...	...	...	...	...	...	...	...
East	0	0	0	0	0	0	0	0	4	20.0	0.8	20.0
E.S.E.	...	...	...	...	...	...	...	...	...	...	...	...
S.E.	...	...	...	...	...	...	...	...	...	...	...	...
S.S.E.	0	0	0	0	4	28.0	0	0	0	0	0.8	23.0
South	4	15.0	0	0	4	4.0	12	10.3	0	0	4.0	10.3
S.S.W.	...	...	...	...	...	...	...	...	...	...	...	...
S.W.	4	6.0	0	0	4	2.0	0	0	4	4.0	2.4	4.0
W.S.W.	0	0	0	0	8	9.0	4	8.0	8	6.5	4.0	7.8
West	8	10.0	4	13.0	4	12.0	0	0	4	10.0	4.0	10.0
W.N.W.	21	20.0	12	19.3	12	20.6	22	15.8	4	22.0	14.2	17.9
N.W.	17	19.2	38	18.4	37	16.7	29	11.4	33	14.1	30.8	17.5
N.N.W.	0	0	0	0	0	0	8	17.0	0	0	1.6	17.0
Calm	46	0	42	0	23	0	25	0	31	0	33.4	0

Table VI.—WIND DIRECTION

### *Percentage Frequencies and*

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction.	
	Frequency.	Mean Velocity.																								
North ...	% 13	m.p.h. 25.7	% 13	m.p.h. 24.7	% 13	m.p.h. 27.0	% 8	m.p.h. 31.5	% 17	m.p.h. 29.7	% 8	m.p.h. 30	% 8	m.p.h. 27.0	% 13	m.p.h. 24.6	% 13	m.p.h. 27.6	% 17	m.p.h. 26.5	% 21	m.p.h. 21.8	% 21	m.p.h. 25.0	North.	
N.N.E. ...	0 0	0 0	4 4	40.0 25.0	4 4	40.0 25.0	8 4	33.0 30.0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 4	20.0 20.0	4 4	20.0 20.0	4 4	16.0 16.0	N.N.E.	
N.E. ...	4 4	40.0 15.0	4 4	25.0 40.0	4 0	25.0 0	4 0	30.0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	N.E.
E.N.E. ...	4 4	15.0 15.0	4 4	40.0 40.0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	E.N.E.
East ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	East.
E.S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.S.E.
S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.E.
S.S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.E.
South ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	South.
S.S.W. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.W.
S.W. ...	4 4	6.0 0	0 0	4 4	12.0 12.0	0 0	0 4	10.0 10.0	0 0	4 4	9.0 9.0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 4	11.0 11.0	4 4	10.0 10.0	4 4	S.W.	
W.S.W. ...	8 8	26.5 12	19.0 19.0	8 8	20.0 20.0	13 13	17.3 17.3	8 8	22.0 22.0	8 8	13.5 14.0	4 4	17.0 17.5	8 8	14.5 15.0	4 4	31.0 17.3	8 8	19.0 19.5	4 4	20.0 20.0	4 4	20.0 20.0	4 4	W.S.W.	
West ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	West.
W.N.W. ...	17 17	25.2 17	18.4 18.2	17 17	18.2 19.5	17 17	19.5 21.8	13 13	21.6 25.3	13 13	25.3 17.5	8 8	17.5 13	13 13	17.3 18.6	13 13	17.3 18.6	13 13	29.3 29.3	17 17	28.0 28.0	17 17	28.0 28.0	17 17	W.N.W.	
N.W. ...	42 42	18.9 20.5	42 42	19.1 19.7	38 38	18.7 20.5	42 42	20.2 26.5	42 42	19.2 28.2	46 17	16.9 23.5	42 16	19.9 23.3	37 13	20.3 22.1	34 8	18.0 24.6	11 8	21 22.0	21 21	18.0 18.0	21 21	N.W.		
N.N.W. ...	4 4	10.0 10.0	4 4	7.0 7.0	8 8	20.5 23.0	17 17	26.5 28.2	17 16	28.2 23.5	13 13	23.3 23.3	13 8	18.0 24.6	11 8	12 22.0	0 13	0 13	0 0	0 0	0 0	0 0	0 0	0 0	0 0	N.N.W.
Calm. ...	4 4	0 0	4 4	0 0	4 4	0 0	4 4	0 0	8 8	0 0	0 0	4 4	0 0	8 8	0 0	8 8	0 0	12 12	0 0	13 13	0 0	0 0	0 0	0 0	0 0	Calm.

### *Percentage Frequencies and*

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.			
	Frequency.	Mean Velocity.	Direction.																							
North ...	% 14	m.p.h. 11·5	% 14	m.p.h. 11·0	% 7	m.p.h. 12·5	% 10	m.p.h. 14·0	% 7	m.p.h. 17·5	% 6	m.p.h. 19·5	% 7	m.p.h. 19·0	% 10	m.p.h. 17·0	% 10	m.p.h. 11·3	% 7	m.p.h. 15·5	% 7	m.p.h. 14·5	% 7	m.p.h. 14·0	North.	
N.N.E. ...	0 0	0 0	0 0	- 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 0	20·0	0 0	3 0	15·0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	N.N.E.
N.E. ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 0	5·0	3 0	7·0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	N.E.
E.N.E. ...	3 15·0	3 13·0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	E.N.E.
East ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	East.
E.S.E. ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	E.S.E.
S.E. ...	0 0	0 0	0 0	0 0	3 22·0	3 24·0	3 22·0	3 25·0	3 20·0	3 10·0	3 10·0	3 14·0	3 22·0	3 23·0	S.E.											
S.S.E. ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	3 5·0	3 10·0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	S.S.E.	
South ...	0 0	3 18·0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 20·0	3 14·0	6 9·5	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	South.
S.S.W. ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	S.S.W.
S.W. ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	S.W.
W.S.W. ...	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	W.S.W.
West ...	11 8·0	7 10·0	7 9·5	7 12·5	7 11·5	7 13·0	7 16·5	10 15·7	6 15·0	7 16·0	7 22·0	7 20·5	West.													
W.N.W. ...	23 18·6	23 16·1	23 17·0	23 14·3	27 12·1	23 14·6	30 12·8	24 12·9	17 16·2	23 16·1	23 18·6	23 17·0	W.N.W.													
N.W. ...	23 12·4	27 14·1	27 15·2	31 15·7	30 16·9	17 16·6	27 15·7	20 21·0	27 17·0	30 14·6	14 17·0	27 15·1	N.W.													
N.N.W. ...	3 26·0	3 27·0	0 0	3 26·0	3 30·0	7 25·0	6 17·5	3 28·0	10 11·3	14 20·5	17 16·8	10 17·0	N.N.W.													
Calm. ...	23 0	20 0	33 0	23 0	23 0	37 0	14 0	24 0	14 0	10 0	23 0	0 17	0 0	Calm.												

**—WIND VELOCITY—*continued*:**

### *Mean Velocities for each Direction.*

MARCH, 1915.

Direction.	1 p.m.		2 p.m.		3 p.m.		4 p.m.		5 p.m.		6 p.m.		7 p.m.		8 p.m.		9 p.m.		10 p.m.		11 p.m.		Midnight.		Frequency.		Velocity.		Direction.	
	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.	Frequency.	Velocity.	% Whole Month.	Average at Greatest Frequency.																						
North	13	23.3	8	18.0	12	22.6	19	21.6	15	23.7	11	18.6	18	23.2	12	23.3	8	17.0	10	31.3	8	29.5	8	29.5	12.8	23.4	North.			
N.N.E.	8	21.0	8	16.0	0	0	0	0	4	24.0	4	34.0	0	0	0	0	0	0	0	0	0	0	0	0	2.0	23.3	N.N.E.			
N.E.	0	0	0	0	0	0	0	0	0	0	4	25.0	4	30.0	0	0	0	0	0	4	13.0	0	0	0	0	1.2	26.9	N.E.		
E.N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	4	24.0	4	20.0	7	22.5	8	22.5	8	32.5	1.6	25.8	E.N.E.				
East	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	East.		
E.S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.S.E.		
S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.E.		
S.S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.E.		
South	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	South.		
S.S.W.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.W.		
S.W.	0	0	0	0	0	0	4	10.0	4	22.0	4	20.0	4	12.0	4	5.0	4	8.0	0	0	4	10.0	0	0	2.2	11.1	S.W.			
W.S.W.	8	12.5	8	10.5	12	16.6	12	16.3	11	16.3	12	18.0	13	12.0	13	17.3	12	20.6	11	19.3	0	0	4	4.0	8.9	17.3	W.S.W.			
West	8	24.5	8	21.0	4	12.0	4	14.0	4	10.0	8	12.0	8	10.0	8	11.0	8	12.5	4	18.0	12	21.3	8	30.5	5.3	21.3	West.			
W.N.W.	21	18.0	17	20.5	12	18.3	15	24.5	15	19.5	11	20.3	13	21.3	13	21.7	12	22.3	14	21.2	19	22.0	22	24.4	15.0	21.5	W.N.W.			
N.W.	21	20.3	21	18.1	26	21.7	23	13.5	13	9.2	17	15.4	14	20.2	15	12.7	21	12.3	25	14.1	33	19.0	42	18.4	30.2	16.9	N.W.			
N.N.W.	8	23.0	21	23.2	19	16.4	15	25.2	23	24.7	18	24.8	18	22.1	27	25.7	23	31.1	14	31.7	8	31.0	4	28.0	13.2	25.7	N.N.W.			
Calm	13	0	9	0	15	0	8	0	11	0	11	0	8	0	4	0	8	0	11	0	8	0	4	0	7.6	0	Calm.			

### Mean Velocities for each Direction.

1915.] APRIL, 1915.] M.

Direction.	1 p.m.		2 p.m.		3 p.m.		4 p.m.		5 p.m.		6 p.m.		7 p.m.		8 p.m.		9 p.m.		10 p.m.		11 p.m.		Midnight.		Frequency. % Whole Month.		Velocity. Average at Greatest Frequency.		Direction.	
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.																						
North ...	% 3	m.p.h. 10·0	% 3	m.p.h. 9·0	% 3	m.p.h. 7·0	% .3	m.p.h. 21·0	% 3	m.p.h. 19·0	% 0	m.p.h. 0	% 0	m.p.h. 0	% 0	m.p.h. 0	% 3	m.p.h. 4·0	% 3	m.p.h. 14·0	% 3	m.p.h. 16·0	% 7	m.p.h. 2·5	% 7	m.p.h. 9·0	% 6·0	11·3	North.	
N.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·2	17·5	N.N.E.	
N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·3	6·0	N.E.	
E.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·3	14·0	E.N.E.	
East ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·4	9·0	East.	
E.S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·1	8·0	E.S.E.	
S.E. ...	3	s.22·0	.3	25·0	3	14·0	3	15·0	3	10·0	3	8·0	3	5·0	3	4·0	0	0	0	3	2·0	3	10·0	3	15·0	0·4	14·0	S.E.		
S.S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·3	7·5	S.S.E.	
South ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·8	14·8	South.	
S.S.W. ...	0	0	0	0	6	12·0	6	15·5	7	15·5	0	0	0	0	0	0	0	3	12·0	4	10·0	3	10·0	0	0	1·3	14·3	S.S.W.		
S.W. ...	0	0	0	0	0	0	0	0	0	3	7·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0·1	7·0	S.W.		
W.S.W. ...	7	8·5	7	15·0	0	0	0	0	0	0	10	11·7	7	10·5	7	12·5	3	2·0	0	0	0	0	0	0	0	1·8	11·7	W.S.W.		
West ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	14·0	3	2·0	7	9·5	7	10·0	4·7	11·8	West.			
W.N.W. ...	30	17·7	27	17·7	27	17·9	34	17·2	34	14·2	34	13·8	33	12·6	27	12·6	30	14·3	33	13·5	30	12·1	26	15·3	27·0	14·3	W.N.W.			
N.W. ...	34	15·8	37	15·2	37	16·1	37	14·5	27	14·4	30	12·6	25	19·1	37	14·1	27	12·9	27	10·0	20	10·8	23	9·9	27·5	15·0	N.W.			
N.N.W. ...	3	25·0	3	26·0	7	21·0	3	25·0	3	22·0	3	30·0	3	5·0	7	7·5	14	11·0	7	14·0	10	18·0	10	21·0	6·3	16·8	N.N.W.			
Calm ...	20	0	20	0	17	0	14	0	20	0	20	0	29	0	13	0	14	0	20	0	20	0	24	0	20·5	0	Calm.			

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table VI.—WIND DIRECTION

Percentage Frequencies and

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction.	
	Frequency.	Mean Velocity.																								
North	10	20.3	10	20.0	3	15.0	7	25.0	7	20.0	14	14.7	17	17.4	10	18.7	17	19.6	10	17.3	10	14.0	10	14.7	North.	
N.N.E.	3	25.0	3	35.0	3	37.0	0	0	0	0	3	10.0	0	0	0	0	0	0	3	16.0	0	0	0	0	N.N.E.	
N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	15.0	0	0	N.E.	
E.N.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.N.E.	
East	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	East.	
E.S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.S.E.	
S.E.	3	4.0	3	6.0	0	0	0	0	0	0	3	16.0	3	15.0	3	15.0	3	10.0	0	0	0	0	0	0	S.E.	
S.S.E.	0	0	3	2.0	3	4.0	7	8.5	7	11.5	3	5.0	3	5.0	0	0	0	0	3	10.0	0	0	0	0	0	S.S.E.
South	0	0	0	0	0	0	0	0	0	0	3	5.0	3	5.0	3	6.0	0	0	0	0	0	0	0	0	South.	
S.S.W.	0	0	3	5.0	0	0	3	5.0	3	5.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.S.W.	
S.W.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.W.	
W.S.W.	3	12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12.0	W.S.W.	
West	0	0	0	0	0	0	3	15.0	3	20.0	3	15.0	3	12.0	3	12.0	3	14.0	7	17.5	6	15.5	3	22.0	West.	
W.N.W.	16	21.0	14	21.5	20	18.0	7	17.6	10	20.7	7	16.5	7	17.5	7	21.5	7	17.5	0	0	0	0	3	16.0	W.N.W.	
N.W.	23	19.4	20	21.8	24	19.0	30	17.6	30	19.4	34	19.0	37	19.2	37	24.0	30	28.6	44	24.5	44	22.8	34	25.8	N.W.	
N.N.W.	10	23.3	10	25.0	10	30.3	10	32.3	10	33.3	10	32.3	10	33.3	14	28.2	10	21.3	3	12.0	7	27.5	13	28.7	N.N.W.	
Calm	32	0	34	0	37	0	33	0	30	0	20	0	17	0	23	0	30	0	30	0	27	0	34	0	Calm.	

Percentage Frequencies and

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Direction.			
	Frequency.	Mean Velocity.																								
North	7	20.0	4	25.0	4	20.0	4	18.0	4	20.0	7	30.5	7	28.0	6	29.5	7	29.0	7	22.0	11	17.3	4	16.0	North.	
N.N.E.	0	0	4	26.0	0	0	4	23.0	3	40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.N.E.	
N.E.	0	0	0	0	4	24.0	0	0	0	4	15.0	4	15.0	4	23.0	4	23.0	4	15.0	4	14.0	4	16.0	4	E.N.E.	
E.N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	East.	
East	4	4.0	4	10.0	6	6.5	0	0	4	4.0	0	0	4	10.0	4	12.0	6	9.0	7	7.0	0	0	0	0	S.E.	
E.S.E.	0	0	0	0	4	15.0	7	12.5	7	13.5	4	10.0	4	10.0	4	9.0	4	10.0	0	0	0	0	0	0	E.S.E.	
S.E.	4	9.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.E.	
S.S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.E.	
South	0	0	0	0	0	0	4	19.0	4	20.0	4	15.0	4	10.0	4	8.0	4	4.0	0	0	0	0	0	0	0	South.
S.S.W.	4	22.0	4	20.0	4	15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	40.0	S.S.W.	
SW.	4	30.0	4	30.0	4	32.0	4	30.0	4	34.0	4	36.0	3	36.0	4	36.0	7	26.5	7	22.5	7	27.5	3	10.0	S.W.	
W.S.W.	3	15.0	4	15.0	4	25.0	4	24.0	3	28.0	4	24.0	4	25.0	4	25.0	4	25.0	7	21.5	10	30.7	10	27.6	W.S.W.	
West	4	25.0	4	23.0	4	24.0	4	35.0	4	36.0	4	34.0	7	27.0	6	28.5	7	32.5	11	24.3	4	29.0	4	30.0	West.	
W.N.W.	7	12.5	4	18.0	3	20.0	7	21.0	8	19.0	7	18.5	3	17.0	3	17.0	4	12.0	0	0	4	15.0	4	13.0	W.N.W.	
N.W.	20	22.5	25	26.1	21	25.8	21	26.5	20	26.0	21	26.0	24	23.9	18	25.8	14	28.7	15	27.0	21	23.8	28	25.3	N.W.	
N.N.W.	14	28.7	14	23.7	14	24.7	11	30.0	10	29.0	11	29.0	11	27.0	18	27.4	18	25.8	19	23.0	10	24.3	11	23.3	N.N.W.	
Calm	29	0	29	0	28	0	30	0	29	0	30	0	25	0	25	0	21	0	23	0	29	0	28	0	Calm.	

## —WIND VELOCITY—continued.

Mean Velocities for each Direction.

MAY, 1915.

Direction.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Frequency.	Velocity.	Direction:															
	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.																										
	% m.p.h.	% m.p.h.	% m.p.h.	% m.p.h.																										
North ...	10	17.0	14	18.0	10	15.0	3	8.0	7	12.5	7	9.5	10	21.0	10	18.7	14	19.2	14	20.2	7	25.0	7	26.0	9.9	18.5	North.			
N.N.E. ...	3	22.0	7	13.5	6	12.5	3	15.0	0	0	3	9.0	0	0	0	0	3	35.0	0	0	3	25.0	3	13.0	1.9	13.0	N.N.E.			
N.E. ...	0	0	0	0	0	0	0	0	3	15.0	3	30.0	3	24.0	3	25.0	0	0	0	0	0	0	0	0	0.6	21.8	N.E..			
E.N.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.N.E.			
East ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	East..		
E.S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.S.E..		
S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	11.0	S.E..		
S.S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	10.0	S.S.E..	
South ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	5.3	South..	
S.S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	7.0	S.S.W..	
S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	12.0	S.W..	
W.S.W. ...	0	0	0	0	0	0	3	5.0	3	5.0	3	5.0	3	14.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	9.0	W.S.W..
West ...	3	10.0	14	9.5	6	9.5	3	22.0	6	10.0	10	20.0	10	17.0	10	15.7	10	18.3	10	17.0	7	10.0	0	0	5.1	9.5	West..			
W.N.W. ...	10	14.7	7	15.0	17	21.0	17	13.4	14	12.0	7	13.5	14	15.5	3	4.0	3	30.0	6	25.0	7	29.5	10	26.3	8.9	18.0	W.N.W..			
N.W. ...	27	25.0	24	24.3	27	24.4	34	22.8	20	26.3	30	22.4	20	28.3	34	22.4	34	21.1	27	17.6	27	15.4	34	16.8	30.2	23.7	N.W..			
N.N.W. ...	10	32.0	10	33.0	7	32.0	10	22.0	10	27.3	7	26.0	3	25.0	3	23.0	0	0	3	20.0	15	20.7	6	22.0	8.4	25.9	N.N.W..			
Calm ...	37	0	24	0	27	0	27	0	37	0	30	0	37	0	0	34	0	33	0	37	0	0	34	0	37	0	0	30.9	0	Calm..

Mean Velocities for each Direction.

JUNE, 1915.

Direction.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Frequency.	Velocity.	Direction:													
	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.																								
	% m.p.h.	% m.p.h.	% m.p.h.	% m.p.h.																								
North ...	4	22.0	4	10.0	4	14.0	3	20.0	7	16.0	7	11.0	7	14.5	10	15.4	4	11.0	0	0	4	26.0	5.1	16.4	North..			
N.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7.0	4	4.0	0	0	0.8	20.0	N.N.E..			
N.E. ...	4	15.0	4	9.0	7	8.5	6	8.5	4	7.0	4	12.0	3	10.0	0	0	0	0	3	4.0	0	0	0	2.8	8.5	N.E..		
E.N.E. ...	4	10.0	4	10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	10.0	E.N.E..	
East ...	0	0	0	0	4	6.0	4	5.0	4	10.0	4	4.0	4	5.0	4	4.0	3	8.0	4	12.0	7	7.0	4	6.0	3.4	7.4	East..	
E.S.E. ...	4	8.0	4	4.0	3	8.0	4	7.0	4	9.0	4	8.0	4	9.0	4	5.0	0	0	3	10.0	4	11.0	4	9.0	3.2	13.0	E.S.E..	
S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	9.0	S.E..
S.S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.E..	
South ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	12.7	South..
S.S.W. ...	3	40.0	4	40.0	4	40.0	4	40.0	4	36.0	4	35.0	4	32.0	3	30.0	4	30.0	4	28.0	4	25.0	4	25.0	2.6	31.1	S.S.W..	
S.W. ...	0	0	4	30.0	0	0	0	0	0	0	3	25.0	7	22.0	4	25.0	7	23.5	7	24.0	4	30.0	4	30.0	4.0	24.3	S.W..	
W.S.W. ...	13	26.2	7	20.5	11	20.3	11	19.0	11	20.7	11	16.3	7	8.0	11	17.0	4	24.0	4	20.0	7	18.5	4	16.0	6.8	26.2	W.S.W..	
West ...	7	35.0	10	33.0	10	34.0	14	26.0	10	30.7	7	31.5	7	25.0	4	37.0	4	39.0	4	30.0	4	37.0	4	34.0	6.2	26.0	West..	
W.N.W. ...	4	10.0	3	10.0	0	0	0	0	3	14.0	7	15.0	7	19.5	11	14.3	11	18.7	7	20.5	4	28.0	7	18.6	4.9	16.5	W.N.W..	
N.W. ...	25	22.7	25	21.1	25	18.4	25	21.4	28	20.9	25	23.0	25	23.3	18	24.4	14	19.7	17	24.2	18	21.6	18	22.6	21.3	23.1	N.W..	
N.N.W. ...	7	24.0	7	21.0	11	19.7	11	17.3	7	16.5	6	17.5	7	18.0	11	20.7	20	24.7	18	26.8	24	21.0	18	23.0	12.8	21.0	N.N.W..	
Calm ...	25	0	24	0	21	0	18	0	18	0	18	0	18	0	20	0	29	0	29	0	20	0	25	0	24.6	0	Calm..	

Table VI.—WIND DIRECTION

Percentage Frequencies and

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction.
	Frequency.	Mean Velocity.																							
North	%	m.p.h.	North.																						
N.N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.N.E.
N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.E.
E.N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	E.N.E.
East	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	East.
E.S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.S.E.
S.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.E.
S.S.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.E.
South	3	30.0	3	31.0	3	32.0	3	33.0	3	32.0	3	28.0	3	23.0	3	22.0	4	13.0	3	2.0	3	11.0	3	20.0	South.
S.S.W.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.W.
S.W.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.W.
W.S.W.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12.5	6	9.5	0	0	0	0	W.S.W.
West	0	0	0	0	0	0	3	26.0	6	8.5	10	15.0	10	18.0	6	29.5	10	26.3	10	21.0	.3	13.0	6	10.5	West.
W.N.W.	23	22.6	19	25.8	20	25.5	26	26.1	27	26.4	26	21.9	26	18.1	36	18.7	23	18.9	24	21.0	26	21.4	20	23.3	W.N.W.
N.W.	45	24.4	40	29.6	42	26.5	36	26.5	42	25.0	49	30.6	45	31.4	36	29.4	32	25.9	32	30.2	26	32.4	32	30.4	N.W.
N.N.W.	13	29.0	16	30.4	16	33.2	13	33.7	16	32.2	6	32.0	10	30.7	13	29.2	16	31.6	16	29.8	23	30.7	17	29.0	N.N.W.
Calm	6	0	16	0	13	0	13	0	3	0	3	0	3	0	0	0	3	0	0	0	13	0	10	0	Calm;

Percentage Frequencies and

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction.	
	Frequency.	Mean Velocity.																								
North	%	m.p.h.	North.																							
N.N.E.	0	0	0	0	3	12.0	0	0	3	13.0	3	16.0	3	15.0	3	13.0	1	1.0	3	1.0	0	0	0	0	N.N.E.	
N.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.E.	
E.N.E.	0	0	0	0	0	0	3	10.0	3	15.0	3	4.0	7	4.0	0	0	0	0	0	0	7	7.0	3	1.0	E.N.E.	
East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8.0	7	4.5	3	1.0	.3	10.0	3	10.0	East.	
E.S.E.	3	16.0	3	13.0	0	0	3	12.0	3	1.0	0	0	3	4.0	3	9.0	3	10.0	3	18.0	0	0	0	0	E.S.E.	
S.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.E.	
S.S.E.	3	8.0	3	2.0	3	10.0	3	14.0	3	2.0	3	16.0	3	15.0	3	15.0	3	15.0	3	15.0	0	0	3	2.0	S.S.E.	
South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	South.	
S.S.W.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.S.W.	
S.W.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.W.	
W.S.W.	0	0	0	0	0	0	3	12.0	3	11.0	0	0	0	0	0	0	0	0	0	3	8.0	3	24.0	.7	17.0	W.S.W.
West	13	15.5	16	18.0	13	18.2	10	20.3	10	19.0	16	20.2	16	20.0	23	22.3	19	17.2	16	18.4	13	14.7	10	17.0	West.	
W.N.W.	27	20.2	23	17.0	26	14.7	26	14.6	19	15.0	16	19.0	19	18.0	7	13.5	13	24.7	11	31.3	16	20.4	10	23.2	W.N.W.	
N.W.	19	21.3	20	19.7	20	22.3	23	19.6	27	18.2	27	17.7	16	18.8	19	21.5	19	18.8	13	19.2	10	23.0	10	22.7	N.W.	
N.N.W.	3	32.0	3	30.0	3	31.0	3	29.0	3	30.0	3	23.0	7	26.5	10	23.3	13	26.0	13	25.7	16	25.8	16	25.8	N.N.W.	
Calm	29	0	29	0	32	0	23	0	23	0	16	0	13	0	16	0	10	0	19	0	16	0	16	0	0	Calm;

WIND VELOCITY—*continued.*

Mean Velocities for each Direction:

JULY, 1915.

Direction.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Frequency.	Velocity.	Direction.												
	Frequency.	Mean Velocity.	Average at Greatest Frequency.																								
North ...	3	39.0	0	0	0	0	0	4	21.0	3	25.0	3	29.0	6	20.5	10	15.3	3.8	19.8	North.							
N.N.E. ...	0	0	0	0	0	3	28.0	3	31.0	3	21.0	3	26.0	0	0	0	0	0.7	23.2	N.N.E.							
N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	12.5	N.E.								
E.N.E. ...	3	2.0	4	8.0	3	13.0	0	0	0	0	0	0	0	0	0	0	0.7	7.8	E.N.E.								
East ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	East.							
E.S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.S.E.							
S.E. ...	3	17.0	3	24.0	3	27.0	3	26.0	3	28.0	3	27.0	3	28.0	4	26.0	3	27.0	3	29.0	S.E.						
S.S.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.E.							
South ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	South.							
S.S.W. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.W.							
S.W. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.W.							
W.S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	W.S.W.							
West ...	7	14.0	6	6.0	0	0	0	3	5.0	6	25.5	3	38.0	6	22.0	6	26.0	3	36.0	4	38.0	3	37.0	4.6	20.1	West.	
W.N.W. ...	16	20.4	19	32.0	26	25.5	23	23.4	26	23.4	19	27.7	16	29.0	19	25.8	19	24.5	13	26.2	10	29.7	10	32.7	21.3	18.7	W.N.W.
N.W. ...	33	31.1	32	25.7	32	24.5	45	24.6	29	30.0	36	26.6	36	26.0	39	26.1	36	26.5	36	29.6	32	30.3	37	31.0	36.7	30.6	N.W.
N.N.W. ...	19	29.2	23	32.6	30	29.9	19	30.0	26	26.2	19	29.8	13	32.5	13	30.7	23	29.0	23	27.6	26	28.5	20	31.8	17.9	29.9	N.N.W.
Calm ...	16	0	13	0	6	0	7	0	10	0	10	0	19	0	13	0	10	0	19	0	19	0	17	0	10.3	0	Calm.

Mean Velocities for each Direction.

AUGUST, 1915.

Direction.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Frequency.	Velocity.	Direction.												
	Frequency.	Mean Velocity.	Average at Greatest Frequency.																								
North ...	10	19.3	6	23.0	7	24.0	3	27.0	7	18.5	7	20.5	3	9.0	0	0	0	3	26.0	0	0	5.0	14.7	North.			
N.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	13.8	N.N.E.				
N.E. ...	0	0	.3	6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	5.2	N.E.				
E.N.E. ...	3	8.0	0	0	0	0	0	0	0	6	9.0	7	12.0	7	10.0	7	6.0	0	0	3	8.0	3	7.0	2.6	8.0	E.N.E.	
East ...	3	18.0	3	17.0	0	0	0	3	13.0	0	0	0	0	0	0	0	0	0	3	2.0	3	13.0	1.4	4.5	East.		
E.S.E. ...	0	0	0	0	3	19.0	3	18.0	3	2.0	3	6.0	3	10.0	3	9.0	3	10.0	3	7.0	0	0	0	2.0	10.3	E.S.E.	
S.E. ...	3	8.0	6	6.5	3	9.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3	6.5	S.E..			
S.S.E. ...	0	0	3	1.0	3	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	3.2	S.S.E..			
South ...	0	0	0	0	0	0	0	0	0	3	2.0	0	0	0	0	0	0	0	0	0	0	0	0.4	17.7	S.S.W..		
S.S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.W..		
S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	20.0	S.W..		
W.S.W. ...	6	13.5	6	16.5	6	11.5	3	15.0	3	13.0	3	7.0	3	22.0	3	20.0	3	14.0	3	25.0	0	0	0	2.4	14.6	W.S.W..	
West ...	10	23.7	10	25.0	13	24.7	16	24.6	16	23.4	16	25.0	13	20.0	16	20.4	19	24.3	20	23.2	16	19.8	13	19.5	14.7	22.3	West.
W.N.W. ...	16	25.4	16	24.0	16	15.4	10	26.0	6	24.0	10	25.7	10	32.3	7	31.5	7	23.0	13	16.5	16	21.6	23	19.9	15.5	16.5	W.N.W.
N.W. ...	10	23.7	10	23.7	10	22.7	13	24.2	16	26.8	16	21.2	16	19.8	20	20.8	19	21.8	16	25.8	23	19.4	19	21.3	17.0	17.9	N.W.
N.N.W. ...	16	26.6	17	26.2	16	25.4	16	20.6	10	24.0	10	24.0	16	18.0	19	12.3	16	10.6	7	26.5	10	18.7	10	15.3	10.3	12.3	N.N.W.
Calm ...	23	0	20	0	23	0	36	0	36	0	26	0	29	0	19	0	23	0	32	0	23	0	26	0	23.3	0	Calm..

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table VI.—WIND DIRECTION

### *Percentage Frequencies and*

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction.	
	Freq. quency.	Mean Velocity.																								
	%	m.p.h.																								
North	0	0	0	0	0	0	0	0	3	17·0	3	26·0	3	33·0	6	36·0	3	32·0	3	34·0	3	38·0	3	34·0	North.	
N.N.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N.N.E.	
N.E.	3	5·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.E.	
E.N.E.	0	0·	0	0	0	0	0	0	0	3	9·0	6	5·0	6	10·0	3	3·0	3	16·0	3	10·0	0	0	0	E.N.E.	
East	14	15·5	14	13·0	10	12·7	10	13·7	10	14·7	7	13·0	3	7·0	0	0	0	0	0	0	0	0	0	3	15·0	East.
E.S.E.	0	0	0	0	0	0	0	0	0	0	0	0	3	7·0	3	15·0	6	19·0	6	23·0	7	25·5	3	35·0	E.S.E.	
S.E.	0	0	0	0	0	0	0	0	0	0	0	0	3	21·0	3	19·0	3	18·0	3	10·0	0	0	3	8·0	S.E.	
S.S.E.	0	0	0	0	0	0	0	0	0	0	0	0	3	2·0	3	8·0	3	16·0	3	14·0	3	16·0	3	9·0	S.S.E.	
South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	South.	
S.S.W.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.W.	
S.W.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.W.	
W.S.W.	6	11·0	3	13·0	3	11·0	0	0	0	0	0	0	0	0	0	0	0	0	3	29·0	3	23·0	0	0	W.S.W.	
West	10	24·3	10	26·0	10	25·3	13	24·0	14	24·5	10	29·0	14	20·7	14	22·0	14	24·3	10	25·0	10	24·7	14	24·0	West.	
W.N.W.	17	24·0	14	23·7	17	26·6	17	24·8	14	27·7	20	23·1	20	22·5	17	23·4	14	23·2	14	23·2	14	25·2	10	24·0	W.N.W.	
N.W.	16	28·0	16	26·2	20	17·8	17	20·6	20	24·0	17	23·2	14	20·2	14	24·5	17	27·4	14	25·7	23	21·1	30	21·5	N.W.	
N.N.W.	20	24·0	20	23·0	20	22·8	23	21·1	16	24·2	17	26·2	17	25·0	17	23·6	20	27·8	24	25·1	14	22·2	14	23·0	N.N.W.	
Calm	14	0	23	0	20	0	20	0	23	0	23	0	14	0	17	0	17	0	20	0	17	0	20	0	17	Calm.

### *Percentage Frequencies and*

## MACQUARIE ISLAND.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction		
	Fre- quency.	Mean Velocity.																									
	%	m.p.h.																									
North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	North.	
N.N.E.	3	16·0	6	9·5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.N.E.	
N.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N.E.	
E.N.E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.N.E.	
East	3	26·0	3	26·0	3	30·0	3	31·0	7	19·5	6	20·5	3	16·0	3	18·0	3	19·0	3	18·0	3	23·0	3	20·0	3	East..	
E.S.E.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	E.S.E.	
S.E.	3	33·0	3	34·0	3	35·0	3	31·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.E.	
S.S.E.	0	0	0	0	3	14·0	6	21·0	10	21·3	10	17·7	10	16·3	14	16·5	16	18·8	16	18·0	16	17·8	16	14·8	3	S.S.E.	
South	13	18·0	6	14·0	3	23·0	3	22·0	3	24·0	3	20·0	6	21·5	6	21·5	3	15·0	0	0	0	0	0	0	0	South..	
S.S.W.	3	15·0	0	0	0	0	3	17·0	3	24·0	3	20·0	3	20·0	3	25·0	3	26·0	3	27·0	3	28·0	3	20·0	3	S.S.W.	
S.W.	0	0	10	16·7	3	15·0	3	16·0	3	15·0	3	16·0	3	17·0	6	16·0	6	17·5	6	18·0	10	16·3	6	16·0	6	S.W.	
W.S.W.	20	20·3	13	22·7	17	21·0	17	23·4	16	22·6	16	21·8	14	25·2	6	27·0	6	30·5	6	29·0	6	20·5	10	16·3	6	W.S.W..	
West	6	26·0	3	18·0	3	19·0	6	18·0	6	15·0	6	20·0	6	21·5	10	21·3	3	26·0	3	23·0	6	32·0	6	32·5	6	West..	
W.N.W.	40	25·6	43	23·7	40	23·2	37	26·1	39	24·0	24	29·6	26	27·4	26	28·5	37	27·3	36	26·1	30	26·2	33	26·9	3	W.N.W.	
N.W.	3	38·0	3	35·0	3	41·0	6	33·5	3	42·0	13	29·0	13	30·2	13	27·0	10	25·3	14	22·0	17	23·8	14	24·5	3	N.W.	
N.N.W.	0	0	0	0	3	24·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.N.W.	
Calm	16	0	10	0	19	0	13	0	10	0	16	0	13	0	10	0	10	0	10	0	6	0	6	0	6	0	Calm..

## —WIND VELOCITY—continued.

Mean Velocities for each Direction.

SEPTEMBER, 1915.

Direction.	1 p.m.		2 p.m.		3 p.m.		4 p.m.		5 p.m.		6 p.m.		7 p.m.		8 p.m.		9 p.m.		10 p.m.		11 p.m.		Midnight.		Frequency.		Velocity.		Direction.
	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.																									
North ...	0	0	3	26·0	3	3·0	3	27·0	3	8·0	0	0	0	0	0	0	0	0	3	18·0	3	20·0	3	12·0	0	0	2·0	36·0	North.
N.N.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N.N.E.	
N.E. ...	0	0	0	0	0	0	0	0	3	4·0	3	4·0	3	12·0	3	11·0	3	4·0	0	0	3	5·0	3	2·0	1·0	5·9	N.E.		
E.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1·0	7·5	E.N.E.	
East ...	7	8·5	7	9·5	3	15·0	3	16·0	3	26·0	3	25·0	3	22·0	3	20·0	3	25·0	3	17·0	7	17·5	7	16·0	5·1	14·3	East.		
E.S.E. ...	0	0	0	0	3	6·0	3	7·0	0	0	3	1·0	3	2·0	7	10·5	7	9·5	3	16·0	0	0	0	0	0	2·4	17·5	E.S.E.	
S.E. ...	3	34·0	3	25·0	3	18·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1·0	10·1	S.E.
S.S.E. ...	3	12·0	3	4·0	3	8·0	3	11·0	3	15·0	3	16·0	3	15·0	3	8·0	3	16·0	3	16·0	3	13·0	3	9·0	2·2	11·6	S.S.E.		
South ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12·5	South.
S.S.W. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.S.W.	
S.W. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	S.W.	
W.S.W. ...	0	0	3	26·0	3	17·0	3	16·0	3	15·0	3	14·0	3	12·0	7	12·0	3	17·0	3	25·0	6	17·0	6	12·0	2·5	13·0	W.S.W.		
West ...	6	25·5	3	30·0	7	19·5	7	17·0	3	20·0	3	13·0	7	13·0	0	0	3	4·0	3	14·0	0	0	0	0	0	7·7	23·3	West.	
W.N.W. ...	20	24·5	20	23·7	14	23·5	14	30·5	14	29·0	10	31·7	10	32·0	10	30·3	14	32·0	14	32·0	17	31·0	17	29·4	15·1	23·5	W.N.W.		
N.W. ...	30	20·0	21	20·3	24	21·1	20	22·2	20	23·2	17	30·4	17	30·0	20	29·8	18	26·8	21	26·3	20	22·7	24	24·0	19·6	21·2	N.W.		
N.N.W. ...	17	28·0	17	28·0	20	28·3	17	29·8	14	31·0	21	21·0	14	29·0	10	19·7	10	26·3	10	28·0	14	27·0	17	17·4	16·8	23·1	N.N.W.		
Calm ...	14	0	20	0	17	0	27	0	34	0	34	0	37	0	37	0	30	0	34	0	24	0	20	0	23·0	0	Calm.		

Mean Velocities for each Direction.

OCTOBER, 1915.

Direction.	1 p.m.		2 p.m.		3 p.m.		4 p.m.		5 p.m.		6 p.m.		7 p.m.		8 p.m.		9 p.m.		10 p.m.		11 p.m.		Midnight.		Frequency.		Velocity.		Direction.
	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.																									
North ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20·0	North.
N.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9·5	N.N.E.
N.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	N.E.	
E.N.E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	E.N.E.	
East ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	16·0	3	23·0	3	24·0	2·2	20·0	East.
E.S.E. ...	6	30·5	10	29·0	10	26·7	10	24·7	10	21·7	7	32·0	7	31·0	7	29·0	6	26·5	3	35·0	3	35·0	3	34·0	4·2	25·5	E.S.E.		
S.E. ...	3	26·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31·8	S.E.	
S.S.E. ...	10	16·3	10	16·7	6	20·5	7	21·0	6	19·0	3	26·0	6	18·0	7	11·0	6	15·5	3	21·0	6	7·5	0	0	0	7·9	17·2	S.S.E.	
South ...	0	0	0	0	0	0	3	20·0	3	19·0	3	10·0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	South.	
S.S.W. ...	3	16·0	3	28·0	6	25·0	0	0	3	13·0	3	20·0	3	22·0	3	16·0	3	24·0	3	25·0	3	18·0	3	16·0	2·8	25·0	S.S.W.		
S.W. ...	3	15·0	3	16·0	0	0	7	15·5	3	22·0	3	24·0	3	22·0	0	0	0	0	0	0	0	0	0	0	0	0	3·4	16·5	S.W.
W.S.W. ...	13	11·0	7	10·5	19	11·7	19	14·0	19	17·3	16	16·0	13	21·2	13	16·7	17	18·8	13	21·2	7	23·5	10	20·0	13·0	15·8	W.S.W.		
West ...	6	25·0	13	21·7	10	25·3	3	17·0	7	16·0	3	19·0	0	0	0	0	3	4·0	0	0	10	12·0	10	15·7	5·4	21·7	West.		
W.N.W. ...	33	25·0	26	28·2	30	25·9	29	26·7	26	27·9	33	25·9	39	23·7	37	27·8	43	26·8	43	27·4	42	27·1	42	26·3	34·7	26·2	W.N.W.		
N.W. ...	14	22·2	19	19·2	10	20·3	10	16·7	6	22·0	6	22·0	7	20·5	7	16·5	3	31·0	3	33·0	7	28·0	7	18·5	8·8	19·2	N.W.		
N.N.W. ...	3	27·0	3	30·0	6	25·0	6	25·0	10	19·0	10	19·3	6	25·0	10	19·7	6	21·0	6	22·0	0	0	0	0	2·9	19·3	N.N.W.		
Calm ...	6	0	6	0	3	0	6	0	7	0	13	0	16	0	16	0	13	0	23	0	16	0	16	0	11·5	0	Calm.		

Table VI.—WIND DIRECTION—WIND VELOCITY—continued.

Percentage Frequencies and Mean Velocities for each Direction.

MACQUARIE ISLAND.

NOVEMBER, 1915.

Direction.	1 a.m.		2 a.m.		3 a.m.		4 a.m.		5 a.m.		6 a.m.		7 a.m.		8 a.m.		9 a.m.		10 a.m.		11 a.m.		Noon.		Direction.	
	Frequency.	Mean Velocity.																								
North ...	%	m.p.h.	North.																							
N.N.E. ...	0	0	0	0	0	0	0	0	3	20.0	3	18.0	3	26.0	3	10.0	3	8.0	0	0	0	0	0	0	N.N.E.	
N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.E.	
E.N.E. ...	3	40.0	3	35.0	3	30.0	3	18.0	3	13.0	3	13.0	3	13.0	3	13.0	3	20.0	3	22.0	0	0	0	0	E.N.E.	
East ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	East.	
E.S.E. ...	3	26.0	3	21.0	3	19.0	3	21.0	3	20.0	3	13.0	3	1.0	0	0	0	0	0	0	0	0	0	0	E.S.E.	
S.E. ...	3	22.0	3	23.0	3	27.0	3	25.0	3	23.0	3	23.0	3	24.0	0	0	0	0	0	0	0	0	0	0	0	S.E.
S.S.E. ...	3	7.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.S.E.	
South ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	South.	
S.S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.S.W.	
S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.W.	
W.S.W. ...	3	21.0	3	21.0	0	0	0	0	3	11.0	3	21.0	3	18.0	3	21.0	3	18.0	3	22.0	3	22.0	3	21.0	W.S.W.	
West ...	0	0	0	0	0	0	0	0	3	23.0	3	18.0	7	16.5	7	17.5	11	16.3	7	17.5	7	17.0	17	12.0	West.	
W.N.W. ...	35	19.5	34	20.0	37	21.6	35	21.8	27	22.5	20	25.7	31	20.6	31	19.2	31	18.7	34	14.7	30	19.1	34	20.3	W.N.W.	
N.W. ...	3	27.0	7	16.5	7	17.0	3	26.0	11	29.0	11	27.7	7	30.5	10	29.0	10	28.3	14	27.5	14	21.2	20	15.7	N.W.	
N.N.W. ...	7	15.0	7	17.5	3	30.0	7	22.0	7	13.0	7	9.0	3	18.0	3	20.0	3	10.0	3	2.0	10	14.0	3	25.0	N.N.W.	
Calm ...	37	0	37	0	37	0	37	0	34	0	34	0	24	0	20	0	27	0	13	0	7	0	14	0	0	Calm.

Direction.	1 p.m.		2 p.m.		3 p.m.		4 p.m.		5 p.m.		6 p.m.		7 p.m.		8 p.m.		9 p.m.		10 p.m.		11 p.m.		Midnight.		Direction.		
	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	Frequency.	Mean Velocity.	% Whole Month.	Average at Greatest Frequency.	Velocity.
North ...	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	%	m.p.h.	North.
N.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.N.E.
N.E. ...	6	7.0	3	7.0	3	6.0	6	5.0	6	5.0	3	7.0	10	11.3	10	9.3	14	8.7	7	8.5	3	30.0	6	14.0	4.2	8.7	N.E.
E.N.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	E.N.E.
East ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	East.
E.S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	E.S.E.
S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.E.
S.S.E. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.S.E.
South ...	3	34.0	3	29.0	3	26.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	South.
S.S.W. ...	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S.S.W.
S.W. ...	0	0	0	0	0	0	0	0	3	27.0	3	19.0	3	8.0	3	6.0	0	0	0	0	0	0	0	0	0	0	S.W.
W.S.W. ...	3	22.0	3	19.0	3	22.0	3	18.0	3	20.0	3	11.0	7	12.0	7	8.0	7	9.5	7	12.0	3	21.0	3	22.0	3	10.4	W.S.W.
West ...	17	9.2	17	7.4	14	5.7	10	10.3	10	13.3	14	14.5	7	21.5	7	18.0	7	16.0	10	7.0	7	8.5	7	9.5	8.6	9.5	West.
W.N.W. ...	30	24.1	30	22.2	37	19.6	38	18.4	25	23.3	20	22.0	31	16.0	27	14.1	23	17.7	31	17.0	48	15.1	34	17.9	31.4	15.1	W.N.W.
N.W. ...	20	16.3	20	16.7	14	19.7	10	19.7	10	8.3	14	10.7	10	13.7	14	13.2	10	19.7	10	16.3	3	9.0	3	2.0	10.6	16.2	N.W.
N.N.W. ...	7	13.5	7	11.5	3	14.0	0	0	10	18.0	7	12.5	3	27.0	3	21.0	3	22.0	3	26.0	3	18.0	7	12.0	5.0	16.0	N.N.W.
Calm ...	14	0	17	0	20	0	17	0	27	0	20	0	23	0	27	0	23	0	17	0	27	0	24.2	0	0	0	Calm.

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**TABLE VII.**  
**WIND DIRECTION—WIND**  
**VELOCITY.**

Percentage frequencies and mean velocities for each direction.

**MONTHLY SUMMARY.**

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Table VII.—WIND DIRECTION—WIND VELOCITY.  
Percentage Frequencies and Mean Velocities for each Direction.  
MONTHLY SUMMARY.

MACQUARIE ISLAND.

YEAR 1912.

Month.	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.			Month.	
	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Percentage of Total Observations.	Average Velocity at Greatest Frequency.
1912.																	
January	N.W.	55	m.p.h. 9·1				N.W.	48	m.p.h. 9·1				N.W.	34	m.p.h. 9·6	N.W.	45·7 m.p.h. 9·1
February	N.W.	32	12·6				W.N.W.	32	10·6				N.W.	28	9·0	N.W.	26·7 12·6
March	N.W.	29	12·2				N.W.	29	12·8				W.	26	10·6	N.W.	27·0 12·5
April	W.	30	12·0				W.	20	13·3				N.W.	27	13·9	N.W.	23·7 14·2
May	N.W.	35	14·5				W.N.W.	20	12·0				N.W.	36	14·6	N.W.	33·3 14·6
June	W.	34	16·5				W.N.W.	30	16·0				W.	24	12·3	W.	27·4 16·5
July	W.	33	14·3	{			W.	29	16·8				N.W.	30	13·9	N.W.	30·0 13·3
	N.W.	33	13·3				N.W.	24	21·3				W.	24	13·9	N.W.	23·3 21·5
August	N.W.	27	21·5				W.N.W.	13	9·2				C.	20	0	N.W.	12·3 14·2
September	N.W.	20	14·2				N.N.W.	14	10·7				W.	37	18·4	W.	29·3 18·4
October	W.	24	15·1				W.	27	16·5				W.	27	17·4	W.	22·0 18·1
							N.W.	27	22·7				N.W.	30	19·6	N.W.	28·8 18·2
November	N.W.	24	18·4	{			N.W.	23	12·9								
	W.	23	16·1				W.	30	18·1								
December	N.W.	30	20·1	{			W.N.W.	30	17·2								
	W.N.W.	23	17·3				N.W.	37	18·2								
	N.W.	23	15·7														

MACQUARIE ISLAND.

YEAR 1913.

Month.	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.			Month.	
	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Greatest Frequency.	Percentage of Total.	Mean Velocity.	Percentage of Total Observations.	Average Velocity at Greatest Frequency.
1913.																	
January	N.W.	26	m.p.h. 22·0	N.W.	33	m.p.h. 20·6	N.W.	29	m.p.h. 22·1	N.W.	32	m.p.h. 17·1	N.W.	33	m.p.h. 17·5	N.W.	30·6 18·4
February	N.W.	22	17·1	W.N.W.	22	14·7	N.W.	25	15·6	N.W.	24	17·6	W.	29	16·6	N.W.	19·8 16·6
March	W.	17	16·8	W.	19	11·7	W.N.W.	20	18·2	W.S.W.	16	12·8	W.	25	10·1	W.	18·4 10·1
April	W.S.W.	27	15·0	{ W.S.W. W. N.W.	24	17·4 24 25·4	W.N.W.	27	18·1	N.W.	27	24·9	W.N.W.	30	22·1	W.N.W.	24·4 22·1
May	W.	19	16·0	{ S.W. W.N.W.	16	15·4 21·8	W.	20	20·0	W.	19	15·5	N.W.	23	16·3	W.	18·0 16·7
June	W.N.W.	33	23·4	W.N.W.	34	22·4	W.N.W.	27	21·4	W.N.W.	23	21·3	W.	23	12·4	W.N.W.	26·2 22·9
July	N.W.	29	24·6	N.W.	25	27·7	N.W.	25	29·1	W.N.W.	18	17·2	N.W.	25	17·4	N.W.	23·8 24·6
August	N.W.	39	22·6	N.W.	39	20·5	N.W.	45	17·5	N.W.	39	16·3	{ N.W. N.N.W.	25	18·1 17·1	N.W.	37·4 17·5
September	N.W.	24	19·4	N.W.	34	21·2	N.W.	41	23·2	N.W.	37	23·7	W.N.W.	20	15·1	N.W.	30·6 23·2
October	W.N.W.	29	18·0	N.W.	33	23·2	N.W.	32	23·7	N.W.	33	24·3	W.	26	16·6	N.W.	26·8 23·7
November	W.	21	12·7	W.N.W.	18	15·4	W.N.W.	22	15·0	W.	18	17·0	W.	18	16·0	W.	18·0 12·7

TABLE VII.—WIND DIRECTION—

Percentage Frequencies and

## MACQUARIE ISLAND.

MONTHLY

Month.	1 a.m.			2 a.m.			3 a.m.			4 a.m.			5 a.m.			6 a.m.			7 a.m.		
	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.
1914. December .....	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..
1915. January .....	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..
February .....	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..	.....	..	..
March .....	N.W. ...	42	18.9	N.W. ...	42	20.5	N.W. ...	42	19.1	N.W. ...	38	18.7	N.W. ...	42	20.2	N.W. ...	42	19.2	N.W. ...	40	16.9
April .....	{ W.N.W. N.W. C. ...	23 23 23	18.6 12.4 0	{ N.W. ...	27	14.1	C. ...	33	0	N.W. ...	31	15.7	N.W. ...	30	16.9	C. ...	37	0	W.N.W. ...	30	12.8
May .....	C. ...	32	0	C. ...	34	0	C. ...	37	0	C. ...	33	0	{ N.W. C. ...	30	19.4	{ N.W. ...	34	19.0	N.W. ...	37	10.2
June .....	C. ...	29	0	C. ...	29	0	C. ...	29	0	C. ...	30	0	C. ...	29	0	C. ...	30	0	{ N.W. C. ...	24	23.0
July .....	N.W. ...	45	24.4	N.W. ...	40	29.6	N.W. ...	42	26.5	N.W. ...	36	26.5	N.W. ...	42	25.0	N.W. ...	40	30.6	N.W. ...	45	31.4
August .....	{ W.N.W. C. ...	27 29	20.2 0	{ C. ...	29	0	C. ...	32	0	W.N.W. ...	26	14.6	N.W. ...	27	18.2	N.W. ...	27	17.7	W.N.W. ...	19	19.0
September .....	N.N.W. ...	20	24.0	C. ...	23	0	{ N.W. N.N.W. C. ...	20	17.8	{ N.N.W. ...	23	21.1	C. ...	23	0	C. ...	23	0	W.N.W. ...	20	22.5
October .....	W.N.W. ...	40	25.6	W.N.W. ...	43	23.7	W.N.W. ...	40	23.2	W.N.W. ...	37	20.1	W.N.W. ...	39	24.0	W.N.W. ...	24	29.6	W.N.W. ...	26	27.4
November .....	C. ...	37	0	C. ...	37	0	{ C. ...	37	0	C. ...	37	0	C. ...	34	0	C. ...	34	0	W.N.W. ...	31	20.6
Month.	2 p.m.			3 p.m.			4 p.m.			5 p.m.			6 p.m.			7 p.m.					
	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.
1914. December .....	.....	..	..	{ W. W.N.W. N.W. ...	16 16 16	24.7 17.7 29.3	.....	..	..	.....	..	..	W. ...	30	29.3	.....	..	..	.....	..	..
1915. January .....	.....	..	..	W. ...	23	21.5	.....	..	..	.....	..	..	W. ...	22	18.8	.....	..	..	.....	..	..
February .....	.....	..	..	N.W. ...	37	16.7	.....	..	..	.....	..	..	N.W. ...	29	11.4	.....	..	..	.....	..	..
March .....	{ N.W. N.N.W. ...	21 21	18.1 23.2	{ N.W. ...	26	21.7	N.W. ...	23	13.5	N.N.W. ...	23	24.7	{ N.W. N.N.W. ...	17 18	15.4 24.8	N. ...	18	23.2	N.N.W. ...	18	22.1
April .....	N.W. ...	37	15.2	N.W. ...	37	16.1	N.W. ...	37	14.5	W.N.W. ...	34	14.2	W.N.W. ...	34	13.8	W.N.W. ...	33	12.6	W.N.W. ...	33	12.6
May .....	{ N.W. C. ...	24 24	24.3 0	N.W. ...	27	24.4	{ N.W. ...	34	22.8	C. ...	37	0	{ N.W. C. ...	30 30	22.4 0	{ C. ...	37	0	W.N.W. ...	25	23.3
June .....	{ N.W. C. ...	25 24	21.1 0	{ N.W. ...	25	18.4	N.W. ...	25	21.4	N.W. ...	28	20.9	N.W. ...	25	23.0	N.W. ...	25	23.3	N.W. ...	26	26.0
July .....	N.W. ...	32	25.7	N.W. ...	32	24.5	N.W. ...	45	24.6	N.W. ...	29	30.0	N.W. ...	36	26.6	N.W. ...	30	26.0	N.W. ...	30	26.0
August .....	C. ...	20	0	C. ...	23	0	C. ...	36	0	C. ...	36	0	C. ...	26	0	C. ...	29	0	C. ...	29	0
September .....	{ W.N.W. N.W. C. ...	20 21 20	23.7 20.3 0	{ N.W. ...	24	21.1	C. ...	27	0	C. ...	34	0	C. ...	34	0	C. ...	37	0	C. ...	37	0
October .....	W.N.W. ...	23	28.2	W.N.W. ...	30	25.9	W.N.W. ...	29	26.7	W.N.W. ...	26	27.9	W.N.W. ...	33	25.9	W.N.W. ...	30	23.7	W.N.W. ...	30	23.7
November .....	W.N.W. ...	30	22.2	W.N.W. ...	37	19.6	W.N.W. ...	38	18.4	C. ...	27	0	C. ...	27	0	C. ...	31	16.0	W.N.W. ...	31	16.0

C—Denotes

**WIND VELOCITY**—continued.

*Mean Velocities for each Direction.*

## SUMMARY.

YEARS 1914-15.

8 a.m.			9 a.m.			10 a.m.			11 a.m.			Noon.			1 p.m.			Month.
Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	
....	....	....	S.W. ....	15	22.7	W. ....	15	24.5	W.N.W. ....	15	20.7	N.W. ....	15	32.5	N. ....	15	16.0	1914.
....	....	....	W. ....	32	23.6	....	....	....	W. ....	19	22.2	N.W. ....	20	29.2	N.W. ....	20	15.2	December.
....	....	....	C. ....	46	0	....	....	....	W. ....	19	22.2	N.W. ....	19	22.7	N.W. ....	19	22.2	1915.
....	....	....	....	....	....	....	....	....	C. ....	42	0	....	....	....	....	....	....	January.
N.W. ....	42	19.9	N.W. ....	37	20.3	N.W. ....	34	22.1	N.W. ....	27	17.6	N.W. ....	21	25.0	W.N.W. ....	21	18.0	February.
{ W.N.W. .... C. ....	24 24	12.9 0	{ N.W. ....	27	17.0	N.W. ....	30	14.6	{ W.N.W. .... C. ....	23 23	18.6 0	{ N.W. ....	21	18.0	N.W. ....	21	20.3	March.
N.W. ....	37	24.0	{ N.W. .... C. ....	30 30	28.6 0	{ N.W. ....	44	24.5	N.W. ....	44	22.8	{ N.W. .... C. ....	34 34	25.8 0	C. ....	37	0	April.
{ C. ....	25	0	C. ....	21	0	C. ....	23	0	C. ....	29	0	{ N.W. .... C. ....	28 28	25.3 0	N.W. ....	25	22.7	May.
{ W.N.W. .... N.W. ....	36 36	18.7 29.4	{ N.W. ....	32	25.9	N.W. ....	32	30.2	{ W.N.W. .... N.W. ....	26 26	21.4 32.4	{ N.W. ....	32	30.4	N.W. ....	33	31.1	June.
W. ....	23	22.3	{ W. .... N.W. ....	19 19	17.2 18.8	{ C. ....	19	0	{ W.N.W. .... C. ....	16 16	20.4 0	W.N.W. ....	19	23.2	C. ....	23	0	July.
{ W.N.W. .... N.N.W. .... C. ....	17 17 17	23.4 23.6 0	{ N.N.W. ....	20	27.8	N.N.W. ....	24	25.1	N.W. ....	23	21.1	N.W. ....	30	21.5	N.W. ....	30	20.9	September.
W.N.W. ....	26	28.5	W.N.W. ....	37	27.3	W.N.W. ....	36	26.1	W.N.W. ....	30	26.2	W.N.W. ....	33	26.0	W.N.W. ....	33	25.0	October.
W.N.W. ....	31	19.2	W.N.W. ....	31	18.7	W.N.W. ....	34	14.7	W.N.W. ....	30	19.1	W.N.W. ....	34	20.3	W.N.W. ....	30	24.1	November.

8 p.m.			9 p.m.			10 p.m.			11 p.m.			Midnight.			Month.			
Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total.	Mean Velocity, m.p.h.	Greatest Frequency.	Percentage of Total Observations.	Average Velocity at Greatest Frequency in p.h.	Month.
....	...	...	W.	33	24.9	....	...	...	....	...	...	....	...	...	W.	21.2	24.9	1914. December.
....	...	...	C.	22	0	....	...	...	....	...	...	....	...	...	W.	22.8	23.6	1915. January.
....	...	...	N.W.	33	14.1	....	...	...	....	...	...	....	...	...	{ C. N.W.	33.4 30.8	0 17.5	February.
N.N.W...	27	25.7	N.N.W...	23	31.1	N.W.	25	14.1	N.W.	33	19.0	N.W.	42	18.4	N.W.	30.2	16.9	March.
N.W...	37	14.1	W.N.W...	30	14.3	W.N.W...	33	13.5	W.N.W...	30	12.1	W.N.W...	26	15.8	N.W.	27.5	15.0	April.
{ N.W. C.	34 34	22.4 0	N.W.	34	21.1	{ C.	37	0	C.	34	0	C.	37	0	{ N.W. C.	30.2 30.9	23.7 0	May.
{ N.W. C.	18 20	24.4 0	{ C.	29	0	C.	29	0	N.N.W.	24	21.0	C.	25	0	{ N.W. C.	21.3 24.6	23.1 0	June.
N.W...	39	26.1	N.W...	36	26.5	N.W...	36	29.6	N.W...	32	30.3	N.W...	37	31.0	N.W.	36.7	30.6	July.
{ N.W. N.N.W. C.	20 19 19	20.8 12.3 0	{ C.	23	0	C.	32	0	{ N.W. C.	23 23	19.4 0	{ C.	26	0	{ N.W. C.	17.1 23.3	17.9 0	August.
C...	37	0	C.	30	0	C.	34	0	C.	24	0	N.W.	24	24.9	{ N.W. C.	19.6 23.0	21.2 0	September.
W.N.W...	37	27.8	W.N.W...	43	26.8	W.N.W...	43	27.4	W.N.W...	42	27.1	W.N.W...	42	26.3	W.N.W...	34.7	26.2	October.
W.N.W...	27	14.1	C.	27	0	W.N.W...	31	17.0	W.N.W...	48	15.1	W.N.W...	34	17.9	W.N.W...	31.4	15.1	November.

"Calm,"

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**TABLE VIII.**

**SUNSHINE IN HOURS.**

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Table VIII.—SUNSHINE IN HOURS.

MACQUARIE ISLAND.

JAN., 1912.

Date.	5-6 a.m.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m..	Daily Total.	Maximum possible duration.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17·0
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17·0
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17·0
4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16·9
5	0	0	0	0·2	0	0	0·1	0	0	0	0	0·8	0	1·1	16·9
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·9
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·9
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·8
9	0	0	0	0	0·2	1·0	1·0	1·0	0·5	0	0	0·4	0	4·1	16·8
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·8
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·7
12	0·2	1·0	1·0	0·7	0·9	0·8	0·7	0·6	0·6	0·4	0	0	0	6·9	16·7
13	0	0·5	0·6	0·8	0·9	0·7	0·8	0·7	0·6	0·4	0·6	0·3	0·2	7·1	16·7
14	0	0	0	0·1	0·4	0·4	0·3	0·6	0·4	0·6	0·2	0	0	3·0	16·6
15	0	0	0·3	0·2	0·3	0	0·4	1·0	1·0	0·9	0·1	0	0·1	4·3	16·6
16	0	0	0	0	0·1	0	0·4	0·2	0·1	0	0	0·5	0·2	1·5	16·5
17	0	0	0	0	0·3	0·1	0·1	0·5	0·1	0	0	0	0	1·1	16·5
18	0	0·4	0·7	0·4	0·7	0·6	0·5	0·2	0	0·2	0	0	0·2	3·9	16·4
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·4
20	0	0	0·1	0·1	0·7	0·9	0·6	0·4	0·2	0	0	0	0	3·0	16·3
21	0	0·3	0	0·6	0	0	0	0	0	0	0	0	0	0·9	16·2
22	0	0	0·3	1·0	1·0	0·9	0·8	1·0	0·3	0	0	0	0	5·3	16·2
23	0	0	0	0	0	0	0	0	0	0·2	0	0	0	0·2	16·1
24	0	0·5	1·0	1·0	1·0	0·5	1·0	1·0	1·0	1·0	1·0	1·4	0	9·4	16·1
25	0	0·3	0·4	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·3	0·7	0	8·7	16·0
26	0	0	0·1	0·2	1·0	1·0	1·0	0·8	1·0	0·9	0·8	0	0	6·8	16·0
27	0	0	0·1	0	0·1	0·4	0·8	0	0·7	0·7	0·5	0·4	0	3·7	15·9
28	0	0·7	0·6	0	0	0	0	0	0	0	0	0	0	1·3	15·9
29	0	0	0	1·0	0·2	0	0	0	0	0	0	0	0	1·2	15·8
30	0	0	0	0	0	0·2	0·8	0·9	1·0	1·0	0·5	0·2	0·1	4·7	15·7
31	0	0	0	0	0	0	0	0	0·2	0	0	0	0	0·2	15·7
Sums...	0·2	3·7	5·2	7·3	8·8	8·5	10·3	9·9	8·7	7·3	4·0	3·7	0·8	78·4	442·1
Daily Mean*	...	...	...	...	...	...	...	...	...	...	...	...	...	2·5	16·4

\* Means for 27 days only.

Table VIII.—SUNSHINE IN HOURS—*continued.*

MACQUARIE ISLAND.

FEB., 1912.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·6
2	0	0	0	0·1	0·4	0·7	0·2	0	0	0	0	0	1·4	15·5
3	0	0	0·5	0·3	0·1	0	0	0	0	0	0	0	0·9	15·5
4	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·4
5	0	0	0	0	0·1	0	0	0	0	0	0	0	0·1	15·3
6	0	0	0·3	0	0·6	0·7	0·8	0·7	0·9	0·3	0·4	0	4·7	15·3
7	0·2	0·2	0·6	0·2	1·0	0·9	1·0	0·7	0·6	0·8	0·6	0·2	7·0	15·2
8	0	0·1	0·5	0·4	0·5	0·3	0·2	0·5	0·4	0·3	0·1	0	3·3	15·1
9	0	0	0	0	0	0·5	0·5	0·4	0	0	0	0	1·4	15·1
10	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·0
11	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·9
12	0	0	0	0	0	0	0	0	0	0·4	0·5	0	0·9	14·9
13	0	0·3	0·4	0·3	0·3	0·2	0	0·6	0·5	0·6	0	0	3·2	14·8
14	0	0·2	0	0·7	0·1	0	0	0·1	0·6	0·5	0·7	0	2·9	14·7
15	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·6
16	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·6
17	0	0	0	0	0	0	0	0	0	0·3	0·4	0	0·7	14·5
18	0	0	0	0	0	0	0	0	0	0	0·1	0	0·1	14·4
19	0·3	0·5	1·0	0·7	0·3	0·2	0·1	0	0·1	0	0	0	3·2	14·3
20	0	0·2	0·9	1·0	1·0	1·0	0·9	0·3	0·1	0·3	0·1	0	5·8	14·3
21	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·2
22	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·1
23	0·4	0·3	0	0·4	0·8	0·7	0·8	1·0	1·0	0·5	0	0	5·9	14·1
24	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·0
25	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·9
26	0	0	0	0	0	0	0	0·1	0	0	0·2	0	0·3	13·9
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·8
28	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·7
29	0·6	0·5	1·0	0·3	0·3	0·1	0	0·8	0	0·1	0	0	3·7	13·6
Sums ...	1·5	2·3	5·2	4·4	5·5	5·3	4·5	5·2	4·2	4·1	3·1	0·2	45·5	424·3
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	1·6	14·6

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

MARCH, 1912.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible duration
1	0	0.7	0.8	0.0	0.7	0.7	0.9	0.8	1.0	1.0	0.3	0	7.8	13.6
2	0	0	0	0	0	0	0	0.7	0.1	0	0	0	0.8	13.5
3	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.4
4	0	0	0	0	0	0.3	0.2	0	0	0.2	0.6	0	1.3	13.3
5	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.2
6	0	0.6	0.9	0.8	0.2	0.7	0.6	0	0.3	0.8	0.7	0	5.6	13.2
7	0	0	0.1	0	0.1	0	0	0	0	0	0	0	0.2	13.1
8	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.1
9	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	13.0
10	0	0	0	0	0	0.2	0	0	0	0	0	0	0.2	12.9
11	0	0	0	0	0	0	0	0	0	0	0	0	0.0	12.8
12	0	0.2	0.7	0.7	0.9	0.8	0.7	0.7	0.1	0	0	0	4.8	12.7
13	0	0	0	0	0	0	0.1	0.1	0.5	0.6	0.6	0	1.9	12.7
14	0	0	0	0	0.5	0	0	0.5	0.3	0.4	0	0	1.7	12.6
15	0	0.2	0	0.8	1.0	0.9	1.0	1.0	1.0	0.5	0.7	0	7.1	12.5
16	0	0	0	0	0	0	0	0	0	0	0	0	0.0	12.5
17	0	0	0	0	0.2	0.7	0.1	0.9	0.6	0.4	0.1	0	3.0	12.4
18	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1	12.3
19	0	0	0	0.1	0.3	0.7	0.7	0.5	0.0	0.4	0	0	3.6	12.2
20	0	0	0	0	0	0	0	0	0	0	0	0	0.0	12.2
21	0	0	0	0.1	0.6	0.7	0.8	0.7	0.5	0	0	0	3.4	12.1
22	0	0.4	0.2	0.6	0.3	0.5	0.1	0	0	0	0	0	2.1	12.0
23	0	0	0	0.2	0.2	0.1	0	0.3	0	0	0	0	0.8	11.9
24	0	0	0	0.1	0.7	0.4	0.4	0	0	0	0	0	1.6	11.9
25	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.8
26	0	0	0	0.2	0.2	0	0.1	0	0	0	0	0	0.5	11.7
27	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.7
28	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.6
29	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.5
30	0	0	0	0	0.1	0.1	0.6	1.0	0	0	0	0	1.8	11.4
31	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.3
Sums...	0.0	2.1	2.7	4.5	6.0	6.8	6.4	7.3	5.3	4.3	3.0	0.0	48.4	386.1
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	1.6	12.5

Table VIII.—SUNSHINE IN HOURS—continued.

MACQUARIE ISLAND.

APRIL, 1912.

Date	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0.5	1.0	0.9	1.0	1.0	0.9	0.5	0	0	0	5.8	11.3
2	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.2
3	0	0	0	0	0.5	0	0	0.1	0	0	0	0	0.6	11.1
4	0	0	0	0	0	0	0	0.2	0	0	0	0	0.2	11.0
5	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.0
6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.9
7	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.8
8	0	0	0	0.4	0	0.3	0.7	0	0.2	0	0	0	1.6	10.8
9	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.7
10	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.6
11	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.5
12	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.5
13	0	0	0	0	0	0.4	0.5	0.2	0.5	0	0	0	1.6	10.4
14	0	0	0	0	0.2	0.4	0.6	0	0	0	0	0	1.2	10.3
15	0	0	0	0.1	0.1	0.4	0.1	0	0	0	0	0	0.7	10.3
16	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.2
17	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.1
18	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.1
19	0	0	0	0	0	0	0.1	0.7	0	0	0	0	0.8	10.0
20	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.9
21	0	0	0	0.2	0.3	0.2	0.1	0	0	0	0	0	0.8	9.9
22	0	0	0	0.2	0.9	0.4	0	0	0	0	0	0	1.5	9.8
23	0	0	0	0.2	0.6	0	0.1	0	0	0	0	0	0.9	9.7
24	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.7
25	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.6
26	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.5
27	0	0	0	0.1	0.3	0.2	0.4	0.1	0	0	0	0	1.1	9.5
28	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.4
29	0	0	0	0.1	0.3	0.5	0.7	0.7	0.1	0	0	0	2.4	9.3
30	0	0	0	0	0	0	0.5	0.6	0	0	0	0	1.1	9.2
Sums...	0.0	0.0	0.5	2.3	4.1	3.8	4.8	3.5	1.3	0.0	0.0	0.0	20.3	307.3
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	0.7	10.2

## MACQUARIE ISLAND.

MAY, 1912.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table VIII.—SUNSHINE IN HOURS—continued.

## MACQUARIE ISLAND.

JUNE, 1912.

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

JULY, 1912.

Date*	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·4
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·4
8	0	0	0	0	0	0	0	0·3	0·6	0	0	0	0	0·9	7·4
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·5
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·5
11	0	0	0	0	0	0	0·8	0	0	0	0	0	0	0·8	7·5
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·6
13	0	0	0	0	0	0·3	1·0	1·0	0·2	0	0	0	0	2·5	7·6
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·7
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·7
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·7
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·8
18	0	0	0	0	0	0	0	0·6	0·1	0	0	0	0	0·7	7·8
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·9
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·9
21†	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	
22	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	
23	...	...	...	...	...	...	...	...	...	...	...	...	...	8·0	
24	...	...	...	...	...	...	...	...	...	...	...	...	...	8·1	
25	...	...	...	...	...	...	...	...	...	...	...	...	...	8·1	
26	...	...	...	...	...	...	...	...	...	...	...	...	...	8·1	
27	...	...	...	...	...	...	...	...	...	...	...	...	...	8·2	
28	...	...	...	...	...	...	...	...	...	...	...	...	...	8·3	
29	...	...	...	...	...	...	...	...	...	...	...	...	...	8·4	
30	...	...	...	...	...	...	...	...	...	...	...	...	...	8·4	
31	...	...	...	...	...	...	...	...	...	...	...	...	...	8·5	
Sums...	0·0	0·0	0·0	0·0	0·0	0·3	1·8	1·9	0·9	0·0	0·0	0·0	4·9	150·0	
Daily Mean*	...	...	...	...	...	...	...	...	...	...	...	...	0·2	7·5	

\* Means for 20 days only.

† No record to the end of the month, nor all August.

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Table VIII.—SUNSHINE IN HOURS—*continued.*

MACQUARIE ISLAND.

SEPTEMBER, 1912.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0·1	0·1	0	0	0	0	0	0	0	0·2	10·6
2	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·6
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·7
4	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·7
5	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·8
6	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·9
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·9
8	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·0
9	0	0	0	0	0	0·4	0·5	0	0	0	0	0	0·9	11·1
10	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·2
11	0	0	0	0	0·6	0·1	0	0	0	0	0	0	0·7	11·3
12	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·3
13	0	0	0	0·1	0	0	0	0·1	0	0	0	0	0·2	11·4
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·5
15	0	0	0·5	0·3	0	0	0·3	0·5	0·3	0·4	0	0	2·3	11·6
16	0	0	0	0·8	0·4	0·6	0	0·5	0·6	0·6	0·4	0	3·9	11·6
17	0	0	0	0	0	0	0	0·3	0·1	0·2	0	0	0·6	11·7
18	0	0·1	0	0	0	0	0	0	0	0	0	0	0·1	11·8
19	0	0·1	0·3	0	0·1	0·1	0·9	0·5	0·3	0	0	0	2·3	11·8
20	0	0	0	0	0	0	0	0·2	0·8	0	0	0	1·0	11·9
21	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·0
22	0	0	0	0	0	0·3	0·5	0·3	0·1	0	0	0	1·2	12·1
23	0	0·1	0	0·4	0·2	0	0·1	0	0	0	0	0	0·8	12·1
24	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·2
25	0	0	0	0	0·3	0·3	0	0·1	0	0	0	0	0·7	12·2
26	0	0	0	0	0·2	0	0	0·2	0·2	0·1	0·1	0	0·8	12·3
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·4
28	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·5
29	0	0	0	0	0·3	0·8	0·6	0·8	0·3	0·4	0·7	0·3	4·2	12·6
30	0	0·5	0	0	0	0·6	0·1	0	0	0	0	0	1·2	12·6
Sums ...	0·0	0·8	0·8	1·7	2·2	3·2	3·0	3·5	2·7	1·7	1·2	0·3	21·1	347·4
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	0·7	11·6

## AUSTRALASIAN ANTARCTIC EXPEDITION.

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

OCTOBER, 1912.

Date:	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·7
2	0	0	0	0·5	0	0	0	0·2	0·3	0	0	0	1·0	12·8
3	0	0	0·1	0·6	0	0	0	0	0	0	0	0	0·7	12·9
4	0	0·7	0·6	0·6	1·0	0·8	0·3	0	0	0	0	0	4·0	13·0
5	0	0	0	0·6	0·1	0	0	0	0	0	0	0	0·7	13·0
6	0	0	0	0·4	0·6	0·9	1·0	1·0	0·2	0	0	0	4·1	13·1
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·2
8	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·2
9	0	0·7	0·8	0·8	0·3	1·0	0·8	0·9	0	0	0	0	5·3	13·3
10	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·4
11	0	0	0	0	0	0	0	0·0	0·5	0	0	0	1·4	13·5
12	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·6
13	0	0	0	0	0	0	0·1	0	0·4	0·6	0	0	1·1	13·7
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·8
15	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·8
16	0	0	0·4	0·8	0·1	0·1	0·3	0·2	0	0	0	0	1·9	13·9
17	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·9
18	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·0
19	0	0	0	0·4	0·9	0·7	0·2	0	0	0	0	0	2·2	14·1
20	0	0	0	0	0·4	0·4	0·1	0·1	0	0	0	0	1·0	14·1
21	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·2
22	0	0	0·1	0·4	0·4	0·3	0	0·2	0	0	0	0	1·4	14·3
23	0	0	0	0·4	0·4	0·8	0·7	0·4	0·6	0·7	0·2	0	4·2	14·3
24	0	0	0	0	0	0·4	0·5	0	0	0	0	0	0·9	14·4
25	0·1	0·7	0·1	0·4	0·6	0·0	0·4	0	0	0	0	0	2·3	14·4
26	0	0	0	0	0	0·1	0	0	0	0	0	0	0·1	14·5
27	0	0	0·3	1·0	0·7	1·0	0	0	0	0	0	0	3·0	14·6
28	0·1	0·3	0	0	0·4	0·8	1·0	1·0	1·0	0·8	0	0	5·4	14·6
29	0	0·1	0·3	0·9	0·9	0·5	0·7	0·5	0·4	0	0	0	4·3	14·7
30	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·8
31	0	0	0	0	0	0	0	0·1	0·2	0·8	0·9	0·3	2·3	14·9
Sums ...	0·2	2·5	2·7	7·8	6·8	7·8	6·1	5·5	3·6	2·9	1·1	0·3	47·3	428·7
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	1·5	13·8

Table VII.—SUNSHINE IN HOURS—continued.

MACQUARIE ISLAND.

NOVEMBER, 1912.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
3	0-2	0-7	1-0	0-6	0-9	0-7	1-0	1-0	0-9	0-5	1-0	0-2	8-7	15-1
4	0	0	0-1	0	0	0	0	0	0	0	0	0	0-1	15-1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
7	0	0	0-2	0-8	1-0	1-0	1-0	0-8	0-2	0-1	0-1	0	5-2	15-3
8	0	0	0-1	0-5	0-9	1-0	1-0	0-4	0-2	0-6	0-6	0-1	5-4	15-4
9	0	0	0	0	0	0	0	0	0-2	0	0	0	0-2	15-5
10	0	0	0	0	0	0	0	0-4	0	0	0	0	0-4	15-6
11	0	0	0-1	0	0	0	0	0	0	0	0	0	0-1	15-6
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
15	0	0	0	0	0	0	0	0-5	0	0	0	0-5	1-0	15-9
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
17	0	0-3	0-4	0-5	0-1	0	0	0	0-1	0	0	0	1-4	16-0
18	0	0	0	0	0-1	0-7	0-7	0	0-4	0	0	0	1-9	16-0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
20	0	0	0-2	0-7	0-2	0-1	0	0-1	0	0	0	0	1-3	16-2
21	0	0	0-1	0-8	0-8	0-7	0-6	0-4	0	0	0	0	3-4	16-2
22	0	0	0	0	0	0-4	0-6	0	0-1	0	0	0	1-1	16-3
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
24	0-4	0-4	0	0	0-2	0	0-8	0-7	0	0	0	0	2-5	16-4
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
27	0-1	0-7	0-8	0-1	0-4	0-8	0-4	0-4	0-9	0-1	0	0	4-7	16-5
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
29	0	0	0-3	0-7	0	0	0	0	0-1	0	0	0	1-1	16-6
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0-0
Sums ...	0-7	2-1	3-3	4-7	4-6	5-4	6-1	4-7	3-1	1-3	1-7	0-8	38-5	476-0
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	1-3	15-9

## MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

DECEMBER, 1912.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0.0	16.7
2	0	0	0	0	0	0	0	0	0	0	0	0	0.0	16.8
3	0.1	0.4	0.2	0	0.1	0	0	0	0	0	0	0	0.8	16.8
4	0	0	0	0	0	0	0	0.3	0.2	0.2	0	0	0.7	16.8
5	0	0	0	0	0	0	0	0	0.8	0.1	0	0	0.9	16.9
6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	16.9
7	0	0	0	0	0	0	0.2	0	0	0.6	1.0	0.7	2.5	17.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0.0	17.0
9	0	0	0	0	0.2	0.7	0.1	0	0	0	0	0	1.0	17.0
10	0.7	1.0	1.0	1.0	0.8	1.0	0.8	0.9	0.4	0.2	0	0	7.8	17.0
11	0.2	0.5	0.9	1.0	0.7	0.9	0.1	0	0	0	0	0	4.3	17.1
12	0	0	0	0	0	0	0	0.4	1.0	0	0	0	1.4	17.1
13	0.1	0.2	0	0	0.2	0	0	0	0	0.2	0.6	0.5	1.8	17.1
14	0	0	0	0	0.6	0.7	0.3	0.5	0.1	0	0	0	2.2	17.1
15	0	0	0	0	0	0	0	0	0	0	0	0	0.0	17.1
16	0	0	0	0	0	0.7	0.6	0.1	0.4	0.2	0.5	0.3	2.8	17.1
17	0	0	0	0	0	0	1	0	0.7	0.3	0.3	0.1	1.5	17.1
18	0	0.4	0.3	0.1	1.0	0.4	0.1	0	0.6	0.3	0	0	3.2	17.2
19	0	0	0	0	0	0	0	0	0	0	0	0	0.0	17.2
20	0	0.7	0.1	0	0	0	0	0	0	0	0	0	0.8	17.2
21	0.1	0.6	0.5	1.0	1.0	0.8	0.6	0.8	0	0	0	0	5.4	17.2
22	0	0	0	0	0	0	0	0	0	0	0	0	0.0	17.2
23	0.5	1.0	0.7	1.0	1.0	0.3	0.7	0.1	0.6	0.5	0.6	0	7.0	17.2
24	0	0	0	0	0	0.5	0.8	0.1	1.0	0.2	0	0	2.6	17.2
25	0	0	0	0	0.1	0.6	0.8	0.7	1.0	0.8	0	0	4.0	17.2
26	0	0	0	0	0	0	0.3	1.0	0.8	0.7	0	0	2.8	17.1
27	0	0	0	0	0	0	0	0	0	0	0	0	0.0	17.1
28	0	0	0.6	0	0.2	0.2	1.0	0.3	0	0	0	0	2.3	17.1
29	0	0	0.6	0.7	0.7	0.5	0.7	0.8	0.8	0.2	0	0	5.0	17.1
30	0	0	0	0.1	0	0.5	0.8	0.7	0.9	0.9	0.7	0.4	5.0	17.1
31	0	0	0	0	0	0.2	0	0	0.1	0	0	0	0.3	17.0
Sums ...	1.7	4.8	4.9	4.9	6.6	8.0	8.0	6.7	9.4	5.4	3.7	2.0	66.1	528.7
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	2.1	17.1

## MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—continued.

JAN., 1913.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0	17.0
2	0	0	0	0	0	0	0	0	0	0.4	0.3	0.7	17.0	
3	0	0	0.4	1.0	1.0	1.0	1.0	1.0	0.7	0	0	0	6.1	17.0
4	0	0	0	0	0	0	0	0	0	0	0	0	0.0	16.9
5	0	0.2	1.0	0.9	0.8	0.8	1.0	0.9	0.3	0	0	0	5.9	16.9
6	0.6	1.0	0.9	0.7	0.5	0.9	1.0	0.8	0	0	0	0.6	7.0	16.9
7	0	0	0	0	0	0	0	0.5	0.1	0	0	0	0.6	16.9
8	0	0.5	0.6	0.4	0.9	0.9	0.9	1.0	0.5	0.8	0.5	0.2	7.2	16.8
9	0	0	0	0	0.6	0.3	0.2	0.4	0.4	0	0.2	0.3	2.4	16.8
10	0.7	0.6	0.8	1.0	0.8	0.7	0.7	0.5	0.4	0.1	0.1	0	6.4	16.8
11	0.1	0.7	0.7	0.9	0.8	0.8	0.6	0.7	0.3	0.8	0.1	0	6.5	16.7
12	0	0	0	0	0	0	0	0	0	0	0	0	0.0	16.7
13	0	0	0	0.4	0.4	0.2	0	0.1	0.1	0.3	0	0	1.5	16.7
14	0	0.2	0.9	0.7	0.7	0.6	0.1	0.3	0.8	0.9	0	0	5.2	16.6
15	0	0	0	0	0	0	0	0	0	0	0	0	0.0	16.6
16	0.1	0.2	0.1	0.6	0.8	0.7	0.6	0.7	0.2	0	0	0	4.0	16.5
17	0	0	0.4	1.0	1.0	1.0	0.3	0.8	1.0	0.9	0.8	0	7.2	16.5
18	0.1	0.6	0.9	0.5	0.1	0.2	0.6	0.8	0.5	0	0	0	4.3	16.4
19	0	0	0.1	0	0	0	0	0	0	0	0	0	0.1	16.4
20	0.2	0	0	0	0	0.6	1.0	1.0	1.0	0.7	0.8	1.0	6.3	16.3
21	0.7	0.3	0.7	0.9	0.4	1.0	1.0	1.0	1.0	1.0	0.5	0	8.5	16.2
22	0.5	0.5	0.8	1.0	0.6	0.8	1.0	1.0	1.0	1.0	0.4	0	8.6	16.2
23	0	0	0	0	0.4	1.0	0	0.7	0	0	0	0	3.1	16.1
24	0	0	0	0	0.2	0.9	1.0	0.9	0.6	0	0	0	3.6	16.1
25	0	0.1	0.7	0.9	0.2	0.8	0.7	0.5	0.4	0.3	0.1	0.1	4.8	16.0
26	0.5	1.0	1.0	1.0	0.9	0.8	1.0	0.8	0.8	0.5	0.7	0.7	9.7	16.0
27	0	0	0	0.1	0.5	1.0	0.9	0.8	0.9	1.0	1.0	0.7	6.9	15.9
28	0.4	0.8	1.0	1.0	1.0	1.0	0.8	0.2	0	0.1	0.3	0	6.6	15.9
29	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1	15.8
30	0	0	0	0	0	0	0	0	0	0	0	0	0.0	15.7
31	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	15.7
Sums...	3.9	6.7	11.0	13.0	12.6	16.1	15.4	15.4	11.0	8.5	5.9	3.9	123.4	510.0
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	4.0	16.5

Table VIII.—SUNSHINE IN HOURS—*continued*.

MACQUARIE ISLAND:

FEB., 1913.

Date:	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0.1	0	0	0.5	0.5	0	0	0	1.1	15.6
2	0	0	0	0	0	0	0	0	0	0	0	0	0.0	15.5
3	0	0	0	0	0	0.5	0.9	0.2	0.2	0	0	0	1.8	15.5
4	0	0.9	0.7	0.3	0.9	1.0	1.0	0.4	0	0	0	0	6.2	15.4
5	0	0	0	0	0	0	0	0	0	0	0	0	0.0	15.3
6	0.2	1.0	0.9	0.9	1.0	1.0	0.9	1.0	0.6	0.5	0.3	0.5	8.8	15.3
7	0	0	0	0	0	0.5	0.8	1.0	0.8	0	0	0	3.1	15.2
8	0	0.3	1.0	0.5	1.0	0.2	0.2	1.0	0.7	0.4	0.3	0.1	5.7	15.1
9	0	0	0	0	0	0	0	0	0	0	0	0	0.0	15.1
10	0	0	0.4	0.2	0.1	0.2	0	0	0	0	0	0	0.9	15.0
11	0	0.3	0	0.2	0.1	0.1	0.3	0.4	0.7	0.7	0.7	0	3.5	14.9
12	0	0.1	0.2	0.8	0.6	0.5	0.7	1.0	0.5	0.6	0.2	0	5.2	14.9
13	0	0	0	0	0	0	0.3	0.3	0.1	0.6	0.7	0.1	2.1	14.8
14	0	0	0	0	0.2	0.6	0.1	0	0	0	0	0	0.9	14.7
15	0	0	0	0	0	0	0	0	0	0	0	0	0.0	14.6
16	0	0	0	0	0	0	0	0.3	0.3	0	0	0	0.6	14.6
17	0	0	0	0	0	0	0	0	0	0	0	0	0.0	14.5
18	0	0	0	0	0	0	0	0	0	0	0	0	0.0	14.4
19	0	0	0	0	0	0	0.3	0.8	0.4	0	0.6	0	2.1	14.3
20	0	0	0	0	0	0	0	0	0	0	0	0	0.0	14.2
21	0	0	0.1	0.2	0.5	1.0	0	0	0	0	0	0	1.8	14.1
22	0	0.3	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.2	9.1	14.1
23	0	0	0	0.4	1.0	1.0	1.0	1.0	0.3	0	0	0	4.7	14.0
24	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1	13.9
25	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.9
26	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.8
27	0	0.1	0.4	0.4	0.6	0.7	0.7	1.0	0.2	0	0	0	4.1	13.7
28	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.6
Sunrise	0.2	3.0	4.5	4.0	7.1	8.3	8.2	10.6	6.7	3.7	3.7	0.9	61.8	410.7
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	2.1	14.6

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued*:

MARCH, 1913.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon:	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible duration.
1	0	0	0	0	0	0	0·1	0·3	0·1	0	0	0	0·5	13·6
2	0	0	0	0·2	0·6	1·0	0·7	0·7	0·7	0	0	0	3·9	13·5
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·4
4	0	0	0·3	0·4	0·3	0·2	0	0	0·1	0	0	0	1·3	13·3
5	0	0	0	0·1	0·5	0·6	0·6	0·2	0	0	0	0	2·0	13·2
6	0	0	0	0	0	0	0	0	0·7	0·8	0·9	0	2·4	13·2
7	0	0	0·7	0·4	0·2	0·6	0·1	0·6	0	0	0	0	2·6	13·1
8	0	0	0·1	0	0	0	0	0	0	0	0	0	0·1	13·1
9	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·0
10	0	0·1	0	0	0·2	1·0	1·0	0·7	0·4	0	0·2	0·1	3·7	12·9
11	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·8
12	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·7
13	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·7
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·6
15	0	0	0	0	0	0	0·5	0	0	0	0	0	0·5	12·6
16	0	0	0	0	0	0	0	0	0	0	0·1	0	0·1	12·5
17	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·4
18	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·3
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·2
20	0	0	0	0·3	0·4	0·5	0·7	0·2	0	0·3	0	0	2·4	12·2
21	0	0	0	0	0·2	0	0	0·2	0	0	0	0	0·4	12·1
22	0	0	0	0·1	1·0	1·0	1·0	0·2	0	0	0·2	0	3·5	12·0
23	0	0	0	0	0·2	0	0	0	0	0	0	0	0·0	11·9
24	0	0	0	0·3	0	0·5	1·0	0·3	0·3	0	0	0	2·4	11·9
25	0	0·2	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·5	0	0	7·7	11·8
26	0	0	0	0	0	0	0·1	0	0	0	0	0	0·1	11·7
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·7
28	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·6
29	0	0·7	0·1	0·4	0·4	0·3	0	0	0	0	0	0	1·9	11·5
30	0	0	0	0	0	0·2	0	0	0	0	0	0	0·2	11·4
31	0	0	0·4	0·8	0·8	0·5	0·1	0·7	1·0	0·4	0	0	4·7	11·3
Sums...	0·0	1·0	2·6	4·0	5·6	7·4	6·9	5·1	4·3	2·1	1·3	0·1	40·4	386·1
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	1·3	12·5

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

APRIL, 1913.

Date.	6-7 a.m.*	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0.2	0.7	0.8	0.9	0.8	0.9	0.9	0.2	0	0	5.4	11.3
2	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.2
3	0	0	0	0.1	0.2	0.1	0.6	0	1.0	0	0	0	1.0	11.1
4	0	0	0	0.7	0.7	0.7	0.9	1.0	0.5	0.6	0.1	0	5.2	11.0
5	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.0
6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.9
7	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.8
8	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.8
9	0	0	0	0.2	0.3	1.0	1.0	0	0	0	0	0	2.5	10.7
10	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.6
11	0	0	0	0	0.7	0.3	0	0	0	0	0	0	1.0	10.5
12	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.5
13†	...	...	...	...	...	...	...	...	...	...	...	...	...	10.4
14	...	...	...	...	...	...	...	...	...	...	...	...	...	10.3
15	...	...	...	...	...	...	...	...	...	...	...	...	...	10.3
16	...	...	...	...	...	...	...	...	...	...	...	...	...	10.2
17	...	...	...	...	...	...	...	...	...	...	...	...	...	10.1
18	...	...	...	...	...	...	...	...	...	...	...	...	...	10.1
19	...	...	...	...	...	...	...	...	...	...	...	...	...	10.0
20	...	...	...	...	...	...	...	...	...	...	...	...	...	9.9
21	...	...	...	...	...	...	...	...	...	...	...	...	...	9.9
22	...	...	...	...	...	...	...	...	...	...	...	...	...	9.8
23	...	...	...	...	...	...	...	...	...	...	...	...	...	9.7
24	...	...	...	...	...	...	...	...	...	...	...	...	...	9.7
25	...	...	...	...	...	...	...	...	...	...	...	...	...	9.6
26	...	...	...	...	...	...	...	...	...	...	...	...	...	9.5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	9.5
28	...	...	...	...	...	...	...	...	...	...	...	...	...	9.4
29	...	...	...	...	...	...	...	...	...	...	...	...	...	9.3
30	...	...	...	...	...	...	...	...	...	...	...	...	...	9.2
Sums...	0.0	0.0	0.2	1.7	2.7	3.0	3.3	1.9	1.4	0.8	0.1	0.0	15.1	130.4
Daily Mean*	...	...	...	...	...	...	...	...	...	...	...	...	1.3	10.9

\* Means for 12 days only.

† No record to end of the Month, nor all May, June, and July.

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

AUG., 1913.

Date:	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	...	...	...	...	...	...	...	...	...	...	...	...	...	8.5
2	...	...	...	...	...	...	...	...	...	...	...	...	...	8.6
3	...	...	...	...	...	...	...	...	...	...	...	...	...	8.7
4	0	0	0	0	0.2	0.8	0.6	1.0	0.3	0	0	0	2.9	8.7
5	0	0	0	0	0	0	0.3	0.9	0.4	0	0	0	1.6	8.8
6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	8.9
7	0	0	0	0	0	0	0	0	0	0	0	0	0.0	8.9
8	0	0	0	0	0	0	0.1	0	0.2	0	0	0	0.3	9.0
9	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.0
10	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.1
11	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.2
12	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.2
13	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1	9.3
14	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.4
15	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.4
16	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.5
17	0	0	0	0	0	0	0.7	0.8	0	0	0	0	1.5	9.6
18	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.6
19	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.7
20	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.7
21	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.8
22	0	0	0	0	0.2	0.5	0	0	0	0	0	0	0.7	9.9
23	0	0	0	0	0	0	0	0	0	0	0	0	0.0	9.9
24	0	0	0	0	0.5	1.0	0.8	1.0	0.6	0	0	0	3.9	10.0
25	0	0	0	0.1	0.6	0.6	0.8	0.9	0.2	0	0	0	3.2	10.1
26	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.1
27	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.2
28	0	0	0	0.3	0.4	0.3	0.2	0.1	0.1	0	0	0	1.4	10.3
29	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.4
30	0	0	0	0	0	0	0	0.4	0	0	0	0	0.4	10.4
31	0	0	0	0	0	0	0	0	0	0	0	0	0.0	10.5
Sums ...	0.0	0.0	0.0	0.4	1.9	3.2	3.5	5.2	1.8	0.0	0.0	0.0	16.0	268.6
Daily Mean*	...	...	...	...	...	...	...	...	...	...	...	...	0.6	9.6

\* Means for 28 days only.

Table VIII.—SUNSHINE IN HOURS—*continued.*

MACQUARIE ISLAND.

SEPT., 1913.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·6
2	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·6
3	0	0	0	0·2	0·4	0·3	0·4	0·7	0	0	0	0	2·0	10·7
4	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·7
5	0	0	0	0	0·2	0·2	0·9	0·3	0·2	0·6	0	0	2·4	10·8
6	0	0	0	0	0	0·9	0·5	0·6	0	0	0	0	2·0	10·9
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·9
8	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·0
9	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·1
10	0	0	0	0·2	0·1	0	0	0	0	0	0	0	0·3	11·2
11	0	0	0	0·4	0·4	0·2	0·3	0·2	0	0	0	0	1·5	11·3
12	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·3
13	0	0	0	0·5	1·0	0·5	0·2	0·2	0·2	0	0	0	2·6	11·4
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·5
15	0	0	0	0	0	0	0	0	0	0	0·1	0	0·1	11·6
16	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·6
17	0	0	0	0	0·1	0	0	0	0	0	0	0	0·1	11·7
18	0	0	0	0	0·7	1·0	0·7	0·5	0	0	0	0	2·9	11·8
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·8
20	0	0	0	0	0	0	0	0·1	0·6	0·1	0	0	0·8	11·9
21	0	0	0	0·2	0·2	0·9	0·6	0·3	0	0·1	0·1	0	2·4	12·0
22	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·1
23	0	0	0	0	0·4	0	0	0	0	0	0	0	0·4	12·1
24	0	0	0	0	0·1	0	0	0	0	0	0	0	0·1	12·2
25	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·2
26	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·3
27	0	0	0	0	0	0	0	0·4	1·0	0·4	0	0	1·8	12·4
28	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·5
29	0	0·1	0·8	0·9	0·6	0	0·1	0	0	0	0	0	2·5	12·6
30	0	0	0·2	0·1	0·1	0	0·4	0·1	0	0	0	0	0·9	12·6
Sums ...	0·0	0·1	1·0	2·5	4·3	4·0	4·1	3·4	2·0	1·2	0·2	0·0	22·8	347·4
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	0·8	11·6

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—continued.

OCT., 1913.

Date,	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total,	Maximum possible Duration.
1	0	0	0.2	0.2	0.7	1.0	0.4	0	0.4	0.3	0	0	3.2	12.7
2	0	0	0	0	0.2	0.7	0.2	0.1	0	0	0	0	1.2	12.8
3	0	0	0	0	0	0	0	0	0	0	0	0	0.0	12.9
4	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.0
5	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.0
6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.1
7	...	...	...	...	...	...	...	...	...	...	...	...	...	13.2
8	0	0	0	0.9	0.6	0.3	0.3	0.2	0.2	0.2	0.5	0	3.2	13.2
9	...	3	...	...	...	...	...	...	...	...	...	...	...	13.3
10	...	...	6	...	...	...	...	...	...	...	...	...	...	13.4
11	0	0	0	0	0	0.4	0.3	0	0.1	0	0	0	1.0	13.5
12	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	13.6
13	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.7
14	0	0	0.1	0	0.1	0.2	0	0	0	0	0	0	0.4	13.8
15†	...	...	...	...	...	...	...	...	...	...	...	...	...	13.8
16	...	...	...	...	...	...	...	...	...	...	...	...	...	13.9
17	...	...	...	...	...	...	...	...	...	...	...	...	...	13.9
18	...	...	...	...	...	...	...	...	...	...	...	...	...	14.0
19	...	...	...	...	...	...	...	...	...	...	...	...	...	14.1
20	...	...	...	...	...	...	...	...	...	...	...	...	...	14.1
21	...	5	...	...	...	...	...	...	...	...	...	...	...	14.2
22	...	7	...	...	...	...	...	...	...	...	...	...	...	14.3
23	...	...	...	...	...	...	...	...	...	...	...	...	...	14.3
24	...	...	...	...	...	...	...	...	...	...	...	...	...	14.4
25	...	...	...	...	...	...	...	...	...	...	...	...	...	14.4
26	...	...	...	...	...	...	...	...	...	...	...	...	...	14.5
27	...	...	...	...	...	...	...	...	...	...	...	...	...	14.6
28	...	...	...	...	...	...	...	...	...	...	...	...	...	14.6
29	...	...	...	...	...	...	...	...	...	...	...	...	...	14.7
30	...	...	...	...	...	...	...	...	...	...	...	...	...	14.8
31	...	...	...	...	...	...	...	...	...	...	...	...	...	14.9
Sums ...	0.0	0.0	0.3	1.1	1.6	2.7	1.4	0.3	0.7	0.5	0.5	0.0	9.1	185.2
Daily Mean*	...	...	...	...	...	...	...	...	...	...	...	...	0.8	13.2

\* Mean for 11 days only.

† No record to the end of the month, nor for November.

Table VIII.—SUNSHINE IN HOURS—*continued.*  
MACQUARIE ISLAND.

DEC., 1914.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·7
2	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·8
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·8
4	0	0·1	0·2	0·2	0·7	0·4	0·5	0·8	0·7	0·2	0	0	3·8	16·8
5	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·9
6	0	0	0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0	8·0	16·9
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·0
8	0	0	0	0	0	0	0	0	0	0·1	0·8	0·8	0·4	2·1
9	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·0
10	0	0	0	0	0	0	0	0·1	0·1	0·5	0·5	0	1·2	17·0
11	0·5	0·0	0·7	1·0	1·0	1·0	1·0	1·0	0·9	0·6	0·1	0	8·7	17·1
12	0	0	0	0	0	0	0	0·7	0·8	1·0	0·9	0·4	3·8	17·1
13	0	0	0	0	0	0	0	0	0	0·5	0·8	0·5	1·8	17·1
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·1
15	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·1
16	0	0	0	0·3	0	0	0	0	0	0	0	0	0·3	17·1
17	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·1
18	0	0	0	0	0·5	0	0	0	0	0	0	0	0·5	17·2
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·2
20	0	0	0·1	0·7	0·7	0·1	0	0	0	0	0	0	1·6	17·2
21	0	0	0	0	0	0	0·1	0	0	0	0	0	0·1	17·2
22	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·2
23	0	0	0	0	0	0	0·1	0	0	0·5	0	0	0·6	17·2
24	0	0·2	0·7	0·4	0·4	0·2	0·4	0·1	0	0	0	0	2·4	17·2
25	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·2
26	0	0	0	0	0	0·2	0·5	0·9	0·9	0·8	1·0	0·5	0·2	4·1
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·1
28	0	0	0	0	0	0	0·2	0	0	0	0	0	0·2	17·1
29	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·1
30	0	0	0	0·8	0·5	0·9	1·0	0·7	0·1	0	0	0	4·0	17·1
31	0	0·9	1·0	0·6	1·0	1·0	1·0	0·6	0·9	1·0	0·7	0	8·7	17·0
Sums ...	0·5	2·1	2·7	5·0	5·8	4·8	5·8	5·9	5·4	7·1	5·3	1·5	51·9	528·7
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	1·7	17·1

Table VIII.—SUNSHINE IN HOURS—*continued.*

MACQUARIE ISLAND.

JAN., 1915.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	17·0
2	0	0	0	0	1·0	0·9	0·5	0·2	0	0	0	0	2·6	17·0
3	0	0	0	0·2	0·9	0·5	0·6	1·0	1·0	0·9	1·0	0·5	6·6	17·0
4	0·3	0·1	0	0	0·2	0·7	1·0	0·8	0·6	0	0	0	3·7	16·9
5	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·9
6	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·9
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·9
8†	...	...	...	...	...	...	...	...	...	...	...	...	...	16·8
9†	...	...	...	...	...	...	...	...	...	...	...	...	...	16·8
10†	...	...	...	...	...	...	...	...	...	...	...	...	...	16·8
11†	...	...	...	...	...	...	...	...	...	...	...	...	...	16·7
12†	...	...	...	...	...	...	...	...	...	...	...	...	...	16·7
13	0	0	0	0	0	0	0	0·9	1·0	1·0	0·9	0·7	4·3	16·7
14	0	0	0	0	0·1	0	0·1	0	0	0·4	0·2	0	0·8	16·6
15	0	0	0	0·1	0·2	0·3	0·5	0·1	0	0	0	0	1·2	16·6
16	0·1	0·5	0·8	0·9	0·9	0·9	0·3	0·5	0	0	0	0	4·9	16·5
17	0	0	0	0·1	0·1	0	0	0	0	0	0	0	0·2	16·5
18	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·4
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·4
20	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·3
21	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·2
22	0	0	0·2	0	0	0	0·3	0·2	0	0	0	0	0·7	16·2
23	0	0	0	0	0·1	0	0	0	0·1	0	0	0	0·2	16·1
24	0	0·2	0	0·3	0	0	0	0	0	0	0	0	0·5	16·1
25	0	0	0	0·1	0·6	0·5	0·5	0·3	0·1	0·1	0	0	2·2	16·0
26	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·0
27	0	0	0	0	0	0	0·5	1·0	1·0	1·0	0·5	0	4·0	15·9
28	0	0·1	1·0	0·1	0·1	0·9	0·8	0·6	1·0	1·0	0·5	0	6·1	15·9
29	0	0	0	0	0	0·8	1·0	0·8	0	0·4	0	0	3·0	15·8
30	0	0	0·1	0·4	0·3	0·5	0·3	0	0·2	0	0	0	1·8	15·7
31	0	0	0	0·1	0·1	0	0	0	0	0	0	0	0·2	15·7
Sums...	0·4	0·0	2·1	2·3	4·6	6·0	6·4	6·4	5·0	4·8	2·9	1·2	43·0	426·2
Daily Mean*	...	...	...	...	...	...	...	...	...	...	...	...	1·7	16·4

\* Means for 26 days only.

† Observations for above days suspended owing to absence at South end of Island searching for possible remains of the missing vessel *Endeavour*.

Table VIII.—SUNSHINE IN HOURS—*continued.*

MACQUARIE ISLAND.

FEB., 1915.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0·4	0·3	0·5	0·4	0·2	0·7	0	0	0	0	2·5	15·6
2	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·5
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·5
4	0	0	0·2	0·3	0·9	0·2	0·2	0	0	0	0	0	1·8	15·4
5	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·3
6	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·3
7	0	0	0	0	0	0	0·6	0·9	1·0	1·0	0·9	0	4·4	15·2
8	0	0·2	0·9	1·0	0·8	1·0	1·0	0·9	0·6	0·9	0·6	0	7·9	15·1
9	0	0	0	0·7	0·5	0·9	1·0	1·0	1·0	1·0	0·9	0·6	7·6	15·1
10	0	0	0	0	0	0	0·9	0·7	0·8	0·5	0	0	2·9	15·0
11	0	0	0	0	0·3	0·1	0	0	0	0	0	0	0·4	14·9
12	0	0	0	0	0	0	0·1	0·3	0·5	0	0	0	0·9	14·9
13	0·1	0·1	0·8	0·7	0·5	0·8	0	0	0	0	0	0	3·0	14·8
14	0	0	0	0·6	0·1	0·7	0·5	1·0	0·3	0	0	0	3·2	14·7
15	0	0	0	0	0	0	0	0·2	0·1	0	0	0	0·3	14·6
16	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·6
17	0	0	0	0	0	0·1	0·8	0·4	0·3	0	0	0	1·6	14·5
18	0	0·6	0	0·2	0·9	0·5	0·6	0·5	0·7	0·6	0	0·2	4·8	14·4
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·3
20	0	0	0	0·1	0·4	0·9	1·0	1·0	1·0	1·0	0·6	0·4	6·4	14·3
21	0·3	0·7	0·9	0·8	0·3	0·5	0·8	0·3	0	0	0·3	0	4·9	14·2
22	0	0·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·9	0·6	0	9·2	14·1
23	0	0	0	0	0	0	0	0	0	0	0·7	0·2	0·9	14·1
24	0	0	0	0	0	0	0	0	0·3	0	0	0	0·3	14·0
25	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·9
26	0	0	0	0·8	0·8	0·1	0	0	0	0·3	0·8	0·2	3·0	13·9
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·8
28	0·3	1·0	1·0	1·0	1·0	1·0	0·9	0·6	0	0	0	0	6·8	13·7
Sums...	0·7	3·3	5·2	7·5	8·0	8·2	9·6	9·5	7·6	6·2	5·4	1·6	72·8	410·7
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	2·6	14·7

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table VIII.—SUNSHINE IN HOURS—*continued.*

MACQUARIE ISLAND.

MAR., 1915:

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
2	0	0.8	0.4	1.0	1.0	1.0	1.0	0.5	0	0	0	0	5.7	13.6
	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.5
3	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.4
4	0	0.9	0.9	0.9	0.9	0.2	0	0	0	0	0	0	3.8	13.3
5	0	0.2	0.7	0.7	0.8	0.7	0.5	0.2	0	0	0	0	3.8	13.2
6	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.2
7	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.1
8	0	0	0	0	0	0	0	0	0	0	0	0	0.0	13.1
9	0	0	0	0	0.1	0.1	0.5	0.2	0	0	0	0	0.9	13.0
10	0	0	0	0	0	0.4	0.4	0	0	0	0	0	0.8	12.9
11	0	0	0.2	0.6	0.7	0.8	0.9	0.8	0.2	0	0	0	4.2	12.8
12	0	0	0.1	0.4	0.6	0.1	0	0	0	0	0	0	1.2	12.7
13	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	12.7
14	0	0.1	0.2	0.4	0.6	0	0	0	0	0	0	0	1.3	12.6
15	0	0	0.2	0.4	0	0	0	0.1	0	0	0	0	0.7	12.5
16	0	0	0.3	0.2	0	0	0	0	0	0	0	0	0.5	12.5
17	0	0	0	0.5	0.9	1.0	0.9	0.1	0	0	0	0	3.4	12.4
18	0	0	0	0	0	0	0	0	0	0	0	0	0.0	12.3
19	0	0	0	0	0	0	0	0	0	0	0	0	0.0	12.2
20	0	0	0.1	1.0	0.8	0	0	0	0	0	0	0	1.9	12.2
21	0	0	0.4	1.0	0.9	0.9	0.8	0.9	0.1	0	0	0	5.0	12.1
22	0	0	0	0.1	0	0	0	0	0	0	0	0	0.1	12.0
23	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.9
24	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.9
25	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.8
26	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.7
27	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.7
28	0	0.5	0.8	0.7	0.6	0.5	0.1	0	0	0	0	0	3.2	11.6
29	0	0	0	0	0.3	0.5	0	0	0	0	0	0	0.8	11.5
30	0	0	0.2	0.5	0	0	0	0	0	0	0	0	0.7	11.4
31	0	0	0	0	0	0	0	0	0	0	0	0	0.0	11.3
Sums...	0.0	2.5	4.5	8.4	8.2	6.3	5.1	2.8	0.3	0.0	0.0	0.0	38.1	386.1
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	1.2	12.5

Table VIII.—SUNSHINE IN HOURS—continued.

MACQUARIE ISLAND.

APRIL, 1915.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·3
2	0	0·2	0·3	0·2	0·2	0·5	0·2	0·3	0·1	0·3	0	0	0	2·3	11·2
3	0	0	0	0	0	0·2	0·1	0	0	0	0	0	0	0·3	11·1
4	0	0	0	0·2	0·5	0·3	0·2	0	0·1	0	0	0	0	1·3	11·0
5	0	0	0	0	0	0	0·1	0	0	0	0	0	0	0·1	11·0
6	0	0	0	0	0·1	0	0	0	0	0	0	0	0	0·1	10·9
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·8
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·8
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·7
10	0	0	0	0·4	0·6	0·1	0	0	0	0	0	0	0	1·1	10·6
11	0	0	0	0·1	0	0	0	0	0	0	0	0	0	0·1	10·5
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·5
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·4
14	0	0	0·5	1·0	0·9	0·6	0	0	0	0	0	0	0	3·0	10·3
15	0	0	0	0	0·3	0·3	0·2	0	0	0	0	0	0	0·8	10·3
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·9
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·9
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·8
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·7
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·7
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·6
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·5
27	0	0	0	0	0	0·2	0·3	0·1	0	0	0	0	0	0·6	9·5
28	0	0	0	0·5	0·6	0·7	0	0	0	0	0	0	0	1·8	9·4
29	0	0	0	0·4	0·7	0·4	0	0	0	0	0	0	0	1·5	9·3
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0·0	9·2
Sums...	0·0	0·2	0·8	2·8	3·9	3·3	1·1	0·4	0·2	0·3	0·0	0·0	13·0	337·3	
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	0·4	10·2	

Table VIII.—SUNSHINE IN HOURS—continued.

Table VIII.—SUNSHINE IN HOURS—continued.

## MACQUARIE ISLAND.

JUNE, 1915.

## METEOROLOGY—MACQUARIE ISLAND STATION:

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MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

JULY, 1915.

Date	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
2	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
4	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
5	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·3
6	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·4
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·4
8	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·4
9	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·5
10	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·5
11	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·5
12	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·6
13	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·6
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·7
15	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·7
16	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·7
17	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·8
18	0	0	0	0	0·1	0·1	0	0	0	0	0	0	0·2	7·8
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·9
20	0	0	0	0	0	0	0	0	0	0	0	0	0·0	7·9
21	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·0
22	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·0
23	0	0	0	0·4	0·4	0	0	0	0	0	0	0	0·8	8·0
24	0	0	0	0	0	1·0	1·0	0·7	0	0	0	0	2·7	8·1
25	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·1
26	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·2
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·2
28	0	0	0	0·1	0	0·2	0·2	0	0	0	0	0	0·5	8·3
29	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·4
30	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·4
31	0	0	0	0	0	0	0	0	0	0	0	0	0·0	8·3
Sums ...	0·0	0·0	0·0	0·5	0·5	1·3	1·2	0·7	0·0	0·0	0·0	0·0	4·2	214·1
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	0·1	7·8

Table VIII.—SUNSHINE IN HOURS—continued.

AUGUST, 1915.

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

SEPTEMBER, 1915.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·6
2	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·6
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	10·7
4	0	0	0	0	0	0·5	0·4	0	0	0	0	0	0·9	10·7
5	0	0	0	0	0·1	0	0	0·4	0·1	0	0	0	0·6	10·8
6	0	0·3	0·3	0	0	0	0	0	0	0·5	0	0	1·1	10·9
7	0	0	0·1	0	0	0	0	0	0	0	0	0	0·1	10·9
8	0	0	0·1	0·4	0·9	1·0	0	0	0	0	0	0	2·4	11·0
9	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·1
10	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·2
11	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·3
12	0	0	0	0	0·7	0·6	0·1	0	0·5	0	0	0	1·9	11·3
13	0	0	0·3	0	0	0	0	0	0	0	0	0	0·3	11·4
14	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·5
15	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·6
16	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·6
17	0	0·5	0·6	0·6	0·1	0·9	1·0	1·0	1·0	1·0	0·1	0	6·8	11·7
18	0	0	0	0	0	0	0	0	0	0	0	0	0·0	11·8
19	0	0	0·5	0·4	0	0	0	0	0·5	0·3	0	0	1·7	11·8
20	0	0	0	0·2	0·3	0	0	0	0	0	0	0	0·5	11·9
21	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·0
22	0	0	0	0	0	0	0	0	0·3	0	0	0	0·3	12·1
23	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·1
24	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·2
25	0	0	0	0	0·5	0·1	0	0	0	0	0	0	0·6	12·2
26	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·3
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·4
28	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·5
29	0	0	0	0·5	0·1	0·2	0	0·7	0·3	0	0	0	1·8	12·6
30	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·6
Sums ...	0·0	0·8	1·9	2·1	2·7	3·3	1·5	2·1	2·7	1·8	0·1	0·0	19·0	347·4
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	0·6	11·6

MACQUARIE ISLAND.

Table VIII.—SUNSHINE IN HOURS—*continued.*

OCTOBER, 1915.

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon.	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·7
2	0	0	0	0·4	0·4	0·2	0·3	0·1	0	0	0	0	1·4	12·8
3	0	0	0	0	0	0	0	0	0	0	0	0	0·0	12·9
4	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·0
5	0	0	0	0	0	0	0·2	0·3	0·7	0·2	0	0	1·4	13·0
6	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·1
7	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·2
8	0	0	0	0	0	0	0	0·1	0·4	0·7	0	0	1·2	13·2
9	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·3
10	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·4
11	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·5
12	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·6
13	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·7
14	0	0	0	0	0	0·3	0	0·5	1·0	0·5	0	0	2·3	13·8
15	0	0	0	0	0	0	0	0	0	0	0	0	0·0	13·8
16	0	0	0·1	0·4	0·1	0·6	0	0	0	0·3	0	0	1·5	13·9
17	0	0	0·1	0·3	0·2	0·6	0·6	0·9	1·0	0·7	0·3	0	4·7	13·9
18	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·0
19	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·1
20	0	0	0	0·1	0	0	0	0	0	0	0	0	0·1	14·1
21	0	0	0	0	0·1	0·1	0	0	0	0	0	0	0·2	14·2
22	0	0	0	0	0	0·1	0	0·7	0	0	0	0	0·8	14·3
23	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·3
24	0·1	0·7	0·7	0·7	0·4	0·2	0·1	0	0·1	0	0	0	3·0	14·4
25	0	0	0·2	0	0·2	0·1	0	0	0·3	0	0	0	0·8	14·4
26	0·1	0·6	0·9	0·8	0·7	0·3	0·7	0·9	0·3	0·6	0·3	0	6·2	14·5
27	0	0	0	0	0	0	0	0	0	0	0	0	0·0	14·6
28	0	0	0	0	0·1	0·2	0	0	0	0	0	0	0·3	14·6
29	0	0·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·9	0	9·7	14·7
30	0	0	0	0	0	0	0·4	0·1	0·6	0	0	0	1·1	14·8
31	0	0	0	0	0	0	0	0	0·1	0	0	0	0·1	14·9
Sums ...	0·2	2·1	3·0	3·7	3·2	3·7	3·3	4·6	5·5	4·0	1·5	0·0	34·8	428·7
Daily Mean	...	...	...	...	...	...	...	...	...	...	...	...	1·1	13·8

MACQUARIE ISLAND.

NOVEMBER, 1915.

Table VIII.—SUNSHINE IN HOURS—*continued.*

Date.	6-7 a.m.	7-8 a.m.	8-9 a.m.	9-10 a.m.	10-11 a.m.	11- Noon	Noon-1 p.m.	1-2 p.m.	2-3 p.m.	3-4 p.m.	4-5 p.m.	5-6 p.m.	Daily Total.	Maximum possible Duration.
1	0	0	0	0	0	0	0	0	0·1	0	0	0	0·1	15·0
2	0	0	0	0	0·4	0	0·1	0·3	0	0	0	0	0·8	15·0
3	0	0	0	0·7	0·7	0·7	0·8	0·8	0·3	0	0	0	4·0	15·1
4	0	0·8	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·4	0	9·2	15·1
5	0	0	0	0	0	0	0	0	0	0	0	0	0·0	15·2
6	0	0·7	0·7	1·0	1·0	0·9	0·5	0	0	0	0	0	4·8	15·3
7	0	0·8	0·7	1·0	0·9	0·7	0·3	0·1	0·3	0	0	0	4·8	15·3
8	0·7	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·9	0·6	0	0	9·2	15·4
9	0	0	0·1	0·2	0·1	0	0	0	0	0	0	0	0·4	15·5
10	0	0	0	0	0·1	0·2	0	0	0	0	0	0	0·3	15·6
11	0	0	0	0	0	0·2	0	0	0	0	0	0	0·2	15·6
12	0	0	0	0·1	0·8	0·4	0·7	0·3	0	0	0	0	2·3	15·7
13	0	0	0	0·1	0	0	0·1	0·3	0·8	0·1	0	0	1·4	15·8
14	0	0	0	0	0·1	0·7	0·9	0·5	0	0	0	0	2·2	15·8
15	0·7	0·2	0·7	0·8	0	0·3	0	0	0	0	0	0	2·7	15·9
16	0	0·4	0·1	0·8	1·0	1·0	0·8	0·7	0·8	0	0	0	5·6	15·9
17	0	0	0	0	0	0	0	0	0	0·4	0	0	0·4	16·0
18	0	0	0	0	0	0	0	0·4	0·1	0·9	0·5	0·7	2·6	16·0
19	0	0·7	0·9	1·0	0·6	0·9	1·0	1·0	1·0	1·0	0·4	0·1	8·6	16·1
20	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·2
21	0	0	0	0	0	0	0	0	0	0·4	0	0	0·4	16·2
22	0	0	0	0	0	0·1	0·2	0·5	0·1	0·1	0·2	0	1·2	16·3
23	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·3
24	0	0	0	0	0	0	0	0	0·3	0	0	0	0·3	16·4
25	0	0	0	0·8	1·0	1·0	1·0	1·0	1·0	1·0	0·3	0	7·1	16·4
26	0	0	0	0	0	0	0	0	0	0	0	0	0·0	16·5
27	0	0·1	0·2	0·1	0	0·1	0·9	1·0	1·0	0·7	0	0	4·1	16·5
28	0	0·1	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	1·0	0·9	10·0	16·6
29	0	0	0	0	0·4	0·1	0	0	0	0	0·3	0·6	1·4	16·6
30	0	0	0	0	0	0	0	0·5	0·6	0·9	0·7	0·6	3·3	16·7
Sums ...	1·4	4·8	6·4	9·6	10·1	10·3	10·3	10·4	9·3	8·1	3·8	2·9	87·4	476·0
Daily Mean ...	...	...	...	...	...	...	...	...	...	...	...	...	2·9	15·9

TABLE IX.

CLOUD TYPES AND  
DIRECTIONS.

## AUSTRALASIAN ANTARCTIC EXPEDITION

Table IX.—CLOUD TYPES AND DIRECTIONS.

MACQUARIE ISLAND.

JANUARY, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.-Cu., S.S.W.	.....	.....	Cu. } W. St.	.....	.....	Cu.-Nb.
2	Ci.-Cu.	A.-St.	Fr.-Cu., N.W.	.....	.....	St.-Cu., N.W.	.....	A.-St., N.	St.-Cu., N.N.W.
3	.....	.....	Fr.-Nb. } N. Nb.	.....	.....	Fr.-Nb. } N. Nb.	.....	.....	Nb., N.
4	.....	.....	Cu.-Nb., N.	.....	.....	Fr.-Cu., N.W.	.....	.....	Cu.-Nb., N.N.W.
5	.....	A.-St., N.	Fr.-Cu., N.W.	Ci.-Cu., N.W.	A.-St., N.W.	Fr.-Cu., N.W.	Ci.-Cu., N.W.	A.-St., N.W.	St.
6	.....	A.-St.	St.-Cu.	.....	.....	St.-Cu.	.....	A.-St.	St.-Cu., N.W.
7	.....	.....	Nb., N.E.	.....	.....	Cu.-Ni., N.	.....	A.-St., N.W.	St.-Cu., W.N.W.
8	.....	.....	Cu.-Ni., W.	.....	A.-Cu.	Cu.-Ni., W.	.....	A.-Cu., W.	Cu.-Ni., W.N.W.
9	.....	A.-St., N.W.	St.-Cu., N.W.	.....	A.-St., N.W.	St.-Cu., N.N.W.	.....	.....	St.
10	.....	.....	St.-Cu.	.....	.....	St.	.....	.....	St.
11	.....	.....	St.-Cu., S.	.....	A.-St., W.	St.-Cu., S.W.	Ci.-Cu., N.	.....	St.-Cu., N.
12	.....	A.-St.	St.-Cu., N.W.	Ci.-St., N.W.	A.-St., N.W.	St.-Cu., N.	.....	.....	St.-Cu., N.
13	.....	.....	St.-Cu., W.N.W.	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., S.W.
14	.....	.....	Fr.-Cu. } N.W. Ci.-Cu. } W.	.....	.....	St.-Cu., N.W.	.....	.....	Nb., N.W.
15	.....	.....	St.-Cu., W.	.....	A.-St., W.	St.-Cu., W.	.....	A.-St.	St.-Cu. } W.N.W. Fr.-Cu. }
16	.....	.....	St.-Cu., W.N.W.	.....	.....	St.-Cu., N.W.	.....	A.-St.	St.-Cu., N.W.
17	Ci., W.	A.-St., W.	St.-Cu., W.	Ci.-Cu., W.	A.-St., W.	St.-Cu., W.	.....	.....	Cu.-Ni., W.S.W.
18	.....	.....	St.-Cu. } N.W. Fr.-Cu.	.....	A.-St., W.	St.-Cu., W.N.W.	.....	.....	St.-Cu., W.S.W.
19	.....	.....	Fr.-Nb. } S.E. Nb.	.....	.....	Nb.	.....	.....	Fr.-Nb. } S. Nb.
20	Ci.-St., W.	A.-St., W.S.W.	St.-Cu., S.W.	.....	A.-St., W.S.W.	Fr. } W.S.W. St.-Cu. }	.....	.....	St.-Cu., S.W.
21	Ci., N.	A.-St.	St.-Cu., N.W.	.....	.....	Fr.-Nb. } Nb.	.....	.....	Fr.-Nb. } N.N.W. Nb.
22	.....	.....	Fr.-Cu., N.	.....	.....	Fr.-Nb. } N.N.E. Nb.	.....	A.-St., N.N.W.	St.-Cu., N.
23	.....	.....	Nb.	Ci.-Cu.	A.-St.	St.-Cu., N.W.	.....	.....	Nb.
24	Ci.-St., N.W.	.....	Fr.-Cu., N.W.	Ci.-Cu., N.W.	.....	Fr.-Cu., N.W.	.....	A.-St.	St.-Cu., N.W.
25	Ci. } N.W. Ci.-Cu. }	A.-St.	.....	.....	A.-St., N.W.	St.-Cu., S.E.	.....	.....	St.-Cu., S.E.
26	.....	.....	St.-Cu. } S.E. Fr.-Cu. }	Ci., N.W.	.....	.....	.....	.....	St.-Cu., S.E.
27	.....	A.-St., N.W.	.....	.....	.....	Fr.-Cu. } S.E. St.-Cu. }	.....	.....	St.-Cu., N.W.
28	Ci.-Cu. } N.W. Ci.-St. }	A.-St.	.....	.....	A.-St.	St.-Cu., N.W.	.....	.....	Nb., N.W.
29	.....	A.-Cu.	St.-Cu., N.W.	.....	.....	Nb.	.....	.....	Fr.-Nb. } N.W. Nb.
30	.....	A.-Cu.	St.-Cu., N.W.	.....	.....	Fr.-Cu. } W. Cu.	.....	.....	St.-Cu., W.
31	.....	.....	Nb.	.....	.....	Nb. } N.W. Fr.-Nb. }	.....	.....	Nb. } N.W. Fr.-Nb. }

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

FEBRUARY, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.-Cu., W.	.....	.....	Nb.	...	.....	Fr.-Nb. } N.W. Nb. }
2	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.	...	.....	Nb. } St.-Cu., W.
3	.....	.....	St.-Cu., W.	Ci-St., W.N.W.	.....	St.-Cu., W.	Ci-St., W.	A.-St., W.	St.-Cu., W.
4	.....	.....	Fr.-Nb. } E. Nb. }	.....	.....	Fr.-Nb. } E. Nb. }	...	.....	Fr.-St. } St. }
5	.....	.....	Cu.-Ni., N.W.	.....	Fr.-Nb., W.N.W.	Nb.	...	.....	Fr.-St. } W. Nb. }
6	.....	.....	Fr.-Cu. } W. St.-Cu. }	.....	.....	Fr.-Cu. } W. St.-Cu. }	...	.....	St.-Cu., W.
7	.....	.....	St.-Cu., S.W.	.....	.....	St.-Cu., S.W.	...	.....	Cu.-Nb., S.W.
8	.....	.....	St.-Cu., S.W.	.....	.....	Nb. } Fr.-Nb. }	...	.....	Fr.-Nb. } S.W. Nb. }
9	.....	.....	St.-Cu., S.W.	.....	A.-St., W.	St.-Cu., W.S.W.	...	.....	Nb.
10	.....	.....	Fr.-Nb. } W. Nb. }	.....	.....	St.-W.N.W.	...	.....	St., W.N.W.
11	.....	.....	St. } W.N.W. Fr.-St. }	.....	.....	St. } W.N.W. St.-Cu. }	...	.....	St.-Cu., N.W.
12	.....	.....	St. } St.-Cu. }	.....	.....	Fr.-Nb. } N.W. Nb. }	...	.....	St., N.W.
13	.....	Ci-St., N.W.	St.-Cu., N.W.	Ci-Cu., N.W.	A.-St.	St.-Cu., N.W.	...	.....	St.-Cu., N.W.
14	.....	.....	Cu.-Nb., S.	.....	.....	St.-Cu., S.S.W.	...	.....	St.-Cu., S.S.W.
15	.....	A.-St., E.	St.-Cu., W.	.....	.....	St.	...	.....	St.
16	.....	.....	St. } N.W. Fr.-St. }	.....	.....	St. } N.W. Fr.-St. }	...	.....	St. } N.W. Fr.-St. }
17	.....	.....	St. } N.W. Fr.-St. }	.....	.....	St. } W.N.W. Fr.-St. }	...	.....	Cu.-Nb. }
18	.....	.....	St. } S. Fr.-St. }	.....	.....	St.-Cu., S.	...	.....	Nb.
19	.....	.....	St.-Cu., N.W.	.....	.....	St.-Cu., N.N.W.	...	.....	St. } N.N.W. Fr.-St. }
20	Ci-Cu., N.	.....	St.-Cu., N.	Ci-Cu., S.W.	.....	St.-Cu., W.S.W.	...	.....	Fr.-Nb. } S.W. Nb. }
21	.....	.....	Fr.-Nb. } S.W. Nb. }	.....	.....	Fr.-Nb. } W.S.W. Nb. }	...	.....	Fr.-Nb. } W. Nb. }
22	.....	.....	Nb. } W.N.W. Fr.-Nb. }	.....	.....	St. } W.S.W. Fr.-St. }	...	.....	Nb. } S. Fr.-Ni. }
23	.....	.....	St.-Cu., S.W.	.....	.....	Fr.-Cu., W.S.W.	...	.....	St.-Cu., W.
24	.....	.....	St.-Cu., W.	.....	.....	St.	...	.....	Nb.
25	.....	.....	Fr.-Nb. } N.W. Nb. }	.....	.....	St. } N.W. Fr.-St. }	...	.....	St.
26	.....	.....	St.-Cu., W.N.W.	Ci-St.	.....	St.-Cu., W.	...	.....	St.-Cu., W.
27	.....	.....	Fr.-St. } N.W. St. }	.....	.....	St.	...	.....	St. } N.N.W. Fr.-St. }
28	.....	.....	St. } N. Fr.-St. }	.....	.....	Fr.-Nb. } N.N.E. Nb. }	Ci.	.....	.....
29	Ci., N.N.W.	A.-Cu., N.W.	St.-Cu., N.W.	Ci-Cu., N.W.	.....	St.-Cu., W.N.W.	...	.....	St.-Cu., W.N.W.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

MARCH, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	Cu. } W.S.W. St.-Cu. }	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W..
2	.....	.....	St.-Cu., W.S.W.	Ci.-Cu., W.N.W.	A.-St., W.	St.-Cu., W.	Ci.-St., N.W.	.....	St.-Cu., W.
3	.....	A.-Cu. } N.W. A.-St. }	.....	.....	.....	Fr.-Nb. } N.N.W. Nb. }	.....	.....	St. } N.N.W. Fr.-St. }
4	.....	A.-Cu.	St.-Cu., W.	.....	A.-St., S.E.	St.	.....	.....	St.
5	.....	.....	St.	.....	.....	Fr.-St. } N.W. St. }	.....	.....	Nb. } W.S.W. Fr.-Nb. }
6	.....	.....	St.-Cu., S.W.	.....	.....	St.-Cu.	.....	.....	St.-Cu., S.W.
7	.....	.....	St. } N.W. Fr.-St. }	.....	.....	Nb. } N.W. Fr.-Nb. }	.....	.....	Nb. } N.W. Fr.-Nb. }
8	.....	.....	Nb. } S. Fr.-Nb. }	.....	.....	Nb. } S. Fr.-Nb. }	.....	.....	Nb., S.W.
9	.....	.....	St.-Cu., S.W.	.....	.....	St.-Cu., S.W.	.....	.....	St.-Cu., S.W.
10	.....	.....	St.	.....	.....	Fr.-St. } N.W. St. }	.....	.....	St.-Cu., N.W.
11	.....	.....	Fr.-St. } N.W. St. }	.....	.....	Nb.	.....	.....	.....
12	.....	A.-Cu., W.	St.-Cu., W.S.W.	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.
13	.....	.....	St.-Cu., N.W.	.....	.....	St.-Cu., N.N.W.	.....	.....	St.-Cu., N.
14	.....	.....	St.	.....	.....	St.-Cu., W.N.W.	.....	.....	St.-Cu., N.W.
15	.....	.....	Fr.-Nb. } W.S.W. Nb. }	.....	.....	St.-Cu., S.W.	.....	.....	St.-Cu., W.S.W.
16	.....	.....	Nb.	.....	.....	St. } N.W. Fr.-St. }	.....	.....	St.-Cu., S.W. Cu.
17	.....	.....	St.-Cu., W.	.....	.....	St. } W.N.W. St.-Cu. }	.....	.....	Fr.-Cu. } W.N.W. Fr.-St. }
18	.....	.....	St. } W.N.W. Fr.-St. }	.....	A.-Cu.	St.-Cu., W.N.W.	.....	.....	St.-Cu., W.N.W.
19	.....	.....	Nb.	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.
20	.....	.....	St.-Cu., W.N.W.	.....	.....	St.	.....	.....	St.
21	.....	.....	Nb.	.....	.....	St.-Cu., W.S.W.	.....	.....	St.-Cu., W.
22	.....	.....	St.-Cu., S.W.	.....	.....	Fr.-Nb. } W. St.-Nb. } W.	.....	.....	Nb. } W. Fr.-Nb. } W.
23	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.	.....	.....	Nb. } W. Fr.-Nb. } W.
24	.....	.....	St.-Cu., W.	.....	.....	Nb.-W.S.W.	.....	.....	St.-Cu., S.W.
25	.....	.....	Nb.	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.S.W.
26	.....	.....	St.-Cu., N.N.W.	.....	A.-Cu.	St.-Cu., N.	.....	.....	St.
27	.....	.....	Fr.-St. } N. St. }	.....	.....	St. } N.W. Fr.-St. }	.....	A.-St.	St.-Cu., N.W.
28	.....	.....	Fr.-St. } N.W. St. }	.....	A.-St., W.	St. } S. Cu.	.....	A.-St.	St.-Cu., W.
29	.....	.....	Fr.-St. } N.W. St. }	.....	.....	St. } N.W. Fr.-St. }	.....	.....	St. } W.S.W. St.-Cu. }
30	.....	.....	St.-Cu., W.	Ci.-St.	A.-St.	St.-Cu., N.W.	.....	.....	St. } N. Fr.-St. }
31	.....	.....	Fr.-St. } N.N.W. St. }	.....	.....	St., N.W.	Ci.-St.	A.-St., N.W.	.....

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

APRIL, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.N.W.	...	.....	St.-Cu., W.N.W.
2	.....	A.-St.	St.-Cu., N.W.	.....	.....	St.-Cu., N.W.	...	.....	St.
3	.....	.....	St. { N.N.W. St.-Cu. }	.....	.....	St.	...	.....	St.
4	.....	.....	St. { N. St.-Cu. }	.....	.....	St.	...	.....	St.
5	.....	.....	St.	.....	.....	St.	...	.....	St.
6	.....	.....	St.	.....	.....	St.	...	.....	St.
7	.....	.....	St. { S.W. Fr.-St. }	.....	.....	Fr.-St. { S. St. }	...	.....	St.
8	.....	A.-Cu.	St.-Cu.	.....	A.-Cu.	St.-Cu., W.	...	.....	Nb.
9	.....	.....	Nb.	.....	.....	Nb., W.	...	.....	Nb.
10	.....	.....	St. { N. Fr.-St. }	.....	.....	Fr.-St. { N.W. St. }	...	.....	Fr.-St. { N.W. St. }
11	.....	.....	St. { N.W. Fr.-St. }	Ci.-Cu.	.....	St.-Cu., W.N.W.	...	.....	St.-Cu., N.W.
12	.....	.....	Nb.	.....	.....	St.-Cu., W.	...	.....	St.-Cu., S.W.
13	.....	.....	St.-Cu., W.S.W.	.....	.....	St.-Cu., W.	...	.....	Nb.
14	.....	.....	St.-Cu., W.	.....	A.-Cu., W.	St.-Cu., W.S.W.	...	.....	St.-Cu., W.
15	.....	.....	St.-Cu. { W. Fr.-Nb. }	.....	.....	Nb.	...	.....	Fr.-Nb. { Nb. }
16	.....	.....	St.-Nb.	.....	.....	St.	...	.....	St.
17	.....	.....	St.	.....	.....	St.	...	.....	St.
18	.....	.....	St.	.....	.....	St.	...	.....	St.-Cu., N.W.
19	.....	.....	St.-Cu., N.W.	Ci.-St., N.W.	A.-St., N.W.	.....	...	.....	St.
20	.....	.....	St.	.....	.....	Cu.-Nb.	...	.....	St.-Nb.
21	.....	.....	Nb.	.....	.....	St.-Cu.	...	.....	St.-Cu.
22	.....	.....	St.-Cu., W.	Ci.-Cu. { N.W. Ci.-St. }	A.-Cu., W.N.W.	St.-Cu., W.N.W.	...	.....	Nb.
23	.....	.....	Cu.-Nb., W.S.W.	.....	.....	St.-Cu., W.	...	.....	Cu.-Nb., W.
24	.....	.....	Cu.-Nb.	.....	.....	St.	...	.....	St.-Cu., W.
25	Ci., S.	.....	St.-Cu., S.W.	.....	.....	St.-Cu., S.	...	.....	Cu.-Nb., S.W.
26	.....	.....	Cu.-Nb. { St. }	.....	.....	St.	...	.....	Cu.-Nb. { W. Fr.-Nb. }
27	.....	.....	Cu.-Nb. { S.S.W. St.-Cu. }	.....	.....	St.-Cu., S.W.	...	.....	St.-Cu., S.W.
28	.....	.....	St., N.N.W.	.....	.....	Fr.-Nb. { W. St. }	...	.....	St.-Cu., S.S.W.
29	.....	.....	Cu.-Nb. { S.W. St.-Cu. }	.....	A.-Cu., W.	Cu.-Nb., W.S.W.	...	.....	Cu.-Nb. { W. Fr.-Nb. }
30	.....	.....	St.	.....	.....	Cu.-Nb., S.W.	...	.....	Cu.-Nb., S.W.

## MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MAY, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.-Nb.	.....	.....	Cu.-Nb. } W.S.W.	.....	.....	Cu.-Nb., W.
2	.....	.....	St.-Cu., W.	.....	.....	St.-Cu. } W.S.W.	.....	.....	Cu.-Nb., W.
3	.....	.....	St.	.....	A.-Cu., N.W.	St.-Cu. } N.W.	.....	.....	Cu.-Nb., N.W.
4	.....	.....	Cu.-Nb., W.S.W.	.....	.....	Fr.-St. } Fr.-Cu., W.S.W.	.....	.....	Fr.-Cu., S.
5	.....	.....	St.-Cu., W.	Ci.-St., W.	A.-Cu., W.	Fr.-Nb., W.	.....	.....	Cu.-Nb. } N.W. St.-Cu. }
6	.....	.....	St.	.....	.....	St.	.....	.....	St.
7	.....	.....	St.	.....	.....	St.	.....	.....	St.
8	.....	.....	St.	.....	.....	St.	.....	.....	St.
9	.....	.....	St.	.....	.....	St.	.....	.....	Fr.-Cu., W.
10	.....	.....	St.	.....	.....	St.	.....	.....	St.
11	Ci.-St., E.	.....	St.	.....	.....	St.-Cu., N.W.	.....	.....	St.
12	.....	.....	St.	.....	.....	St.-Cu. } St.	.....	.....	St.
13	.....	.....	Cu.-Nb. } N.W. St.	.....	.....	St.	Ci.-St.	.....	Fr.-St., N.N.W.
14	.....	.....	St.	Ci.-St. } N.W. Ci.-Cu. }	.....	St. } N.W. Fr.-Cu. }	.....	.....	St.
15	.....	.....	St.	.....	.....	St. } N.W. St.-Cu. }	.....	.....	St.
16	.....	.....	St.	.....	.....	St. } N.N.W. Cu.-Nb. }	.....	.....	Fr.-Nb., W.
17	.....	.....	Cu.-Nb., W.	Ci.-St.	.....	St. } W.N.W. St.-Cu. }	.....	.....	.....
18	.....	.....	St.	Ci., N.	.....	St. } N.N.W. St.-Cu. }	.....	.....	.....
19	.....	.....	St. } W. St.-Cu. }	.....	.....	Fr.-Cu. } W.N.W. Cu. }	.....	.....	Cu.-Nb., W.N.W.
20	.....	.....	St. } E. St.-Cu. }	.....	.....	St.	.....	.....	St.
21	.....	.....	Fr.-Nb. } W. St.-Cu. }	.....	.....	St.-Nb. } W. St.-Cu. }	.....	.....	Fr.-Nb., W.S.W.
22	.....	.....	St.-Cu. } Cu.	Ci.-St., W.S.W.	.....	Cu.-Nb. } W.N.W. St.-Cu. }	.....	.....	Cu.-Ni., N.W.
23	.....	.....	Cu.-Nb. } N.W. St.	.....	.....	St.-Nb.	.....	.....	Cu.-Nb.
24	.....	.....	St.-Nb.	.....	A.-Cu.	St. } St.-Cu. }	.....	.....	Nb.-St.
25	.....	.....	St.-Nb. } W.S.W. St.-Cu. }	.....	.....	St.-Cu. } Fr.-Nb. }	.....	.....	St.-Cu. } W. Cu.-Nb. }
26	.....	.....	St. } N.W. St.-Cu. }	.....	.....	St.-Nb., N.W.	.....	.....	St.
27	.....	.....	St.	.....	.....	St.	.....	.....	St.
28	Ci.-St. } W.N.W. Ci.-Cu. }	.....	St.-Cu., W.N.W.	.....	A.-St.	St.-Cu., W.	.....	.....	Fr.-St., N.
29	.....	A.-Cu.	St.-Cu. } W. St.	.....	A.-St., W.	St.-Cu., W.	.....	A.-St.	St.-Cu. } N.W. St.
30	Ci.-Cu., N.W.	.....	St.-Cu., W.N.W.	Ci.-Cu. } N.W. Ci.-St. }	A.-St., N.W.	St.-Cu. } N. Cu. }	.....	.....	St.
31	.....	.....	St.	.....	.....	St.	.....	A.-St.	St.-Cu., N.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JULY, 1912.

## Date.

## Remarks:

- 1 Strong squally S.W. wind in early hours veered to West for the rest of the day. Very cloudy. Rather cold. Sun showed several times.
- 2 Fresh West wind till 4 p.m. then light W.S.W. wind with falling Temp. Very cloudy all day. Hills cloud capped at 9 p.m.
- 3 Light to very light W. to W.S.W. wind in early hours. Strong N.W. wind later. Dense mist from 10 a.m. Misty rain from 4.30 p.m. till 7 p.m. Mild.
- 4 Fresh to strong N.W. wind till 3.30 p.m. veered to West and blew freshly all night. Dense mist with occasional light showers till 3.30 p.m. then falling Temp. with light rain and some soft hail. Heavily clouded in evening with occasional clear intervals. Auroral display in evening.
- 5 Fresh West wind early then strong W.N.W. wind till 10 p.m. and West later. Showers and soft hail. Cold. Very cloudy. Snow in early hours. Sun showed.
- 6 Fresh squally West wind till 4 p.m. veered to S.W. for rest of evening. Light snow and soft hail at intervals all day. Ground snow covered. Very cold. Ground frozen in evening. Low Temp. Sun showed occasionally.
- 7 Light cold West wind backed to W.N.W. later. Snow at intervals till 4 p.m. Ground snow covered and frozen. Showers in evening. Cold but rising Temp.
- 8 Calm in early hours but a light to fresh S.E. wind blew from 9 a.m. throughout. Showery in morning but fine and sunny in afternoon and almost clear in evening. Snow lying on hills. Mod. Temp.
- 9 Wind veered from S.E. to W.S.W. during the day. Light and gusty in character. Snow fell at intervals all day. Sun showed occasionally. Low Temp. Ground snow covered.
- 10 W.S.W. wind in early hours veered to West and increased in force blowing freshly throughout the day. Mild. Snow on hills. Very cloudy in morning but little cloud in afternoon and evening.
- 11 Fresh N.W. wind and heavily clouded till 7 p.m. Hill tops cloud capped. Mild. Sky cleared at 8 p.m. and wind moderated a little.
- 12 Strong North wind all day backed to N.N.E. at 9 p.m. Some strong gusts. Misty with frequent very light showers. Mild.
- 13 S. and S.E. wind very light throughout the day. Snow in early hours. Cold. Clear and sunny from 10 a.m. till 2.30 p.m. Auroral display at 11.20 p.m.
- 14 S.W. wind in early morning backed later to West and increased in force. Frequent snow and soft hail squalls. Ground snow covered and frozen. Very little cloud in evening.
- 15 Mod. West breeze with showers of soft hail and very light rain. Snow in early hours. Ground frozen in exposed places. In evening the wind went to W.N.W. with rising Temp. Heavily clouded.
- 16 Strong W.N.W. wind till 1 p.m. when it backed to W.S.W. and later to South dropping to a calm at midnight. Misty in forenoon. Passing showers and falling Temp. in afternoon. Well coloured Rainbow at 2 p.m. Frag. bow at 3.15 p.m. Auroral light in S. Fine but cloudy in evening and cold.
- 17 Calm in early hours with light W.N.W. wind from 9.30 a.m. Hoar frost during last night. Dense fog from 10 a.m. Fog bows at 12.30 and 1.45 p.m. Mod. Temp. Foggy in evening till 9.30 p.m. Grass very wet. Auroral light from 10 p.m.
- 18 Mod. to strong N.W. wind throughout. Very cloudy. Mild. Primary and secondary Rainbows at 2 p.m. colours well defined in primary. Light rain at 6.30 p.m.
- 19 Fresh to strong N.W. wind throughout. Overcast and dull. Misty from 11 a.m. Dense mist with light misty showers in evening. Mild.
- 20 Fresh to strong W. to W.N.W. wind all day. Several early morning showers. Light soft hail at 1 p.m. Misty on hills in evening. Mild.
- 21 Light Westerly wind in morning backed to W.S.W. and S.W. later and increased in force. Some strong squalls. Light hail and rain. Frequent soft hail squalls in evening. Cold. Sun showed occasionally.
- 22 Light S.W. wind in early hours shifted to N.W. at 6 a.m. and blew with mod. force the rest of the day. Hail in early morning. Overcast and dull all day with light passing showers. Misty in afternoon and evening. Lunar Halo at 7 p.m. Mild.
- 23 Mod. to fresh N.W. to N.N.W. wind all day. Very cloudy and dull. Sun shone for a short time at noon. Mild. Hills cloud capped in places.
- 24 Fresh to light N.W. wind all day. Hills cloud capped and slightly misty. Mild. Fog bank on hills in evening with heavy dew on Isthmus.
- 25 Mod. to fresh N.W. wind till 1 p.m. when it weakened to a calm at 2.10 p.m. Thinly misty in forenoon with several very light showers. Bright and sunny at times in afternoon with clear evening and light S.W. air. Falling Temp.
- 26 Calm till 11.50 a.m. then light N.W. wind. Hoar frost last night. Fog bow persisted from 12.30 till 4 p.m. Foggy from 10 a.m. throughout. Mod. Temp. Clear sky discernible through rifts in fog in evening.
- 27 Light to mod. W.N.W. to N.W. wind increased in force after 9 p.m. Foggy all day. Very dense on hills. Mod. Temp.
- 28 Very strong Westerly in early hours increased in force and blew a mod. to fresh W.S.W. Gale throughout the day. In evening wind went to West. Rather cold. Occasional glimpses of sun. Overcast but clear atmosphere in evening.
- 29 Mod. West Gale till 6.30 p.m. then strong squally W.S.W. wind through the night. Several showers with a few snowflakes in early morning. Rather cold. Very cloudy till 7 p.m. when sky broke.
- 30 W.N.W. wind from 5 a.m. till 2 p.m. with force of a fresh Gale went through W. to W.S.W. decreasing in strength to a strong wind. Misty till 4 p.m. Several light showers in late afternoon with some strong squalls. Cold evening.
- 31 Squally W.S.W. wind till 6.15 a.m. then fresh W. to W.N.W. wind later. Showery throughout the day. Foggy on hills. Very heavily clouded.

MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS.—*continued.*

JULY, 1912

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	...	St.-Cu., W.S.W.	.....	.....	St.-Cu. } W. St.	.....	.....	Fr.-St. } W. St.-Cu.
2	.....	A.-St.	St. } N.W. St.-Cu. }	.....	.....	St. } N.W. St.-Cu. }	.....	.....	St. } W.S.W. St.-Cu. }
3	Ci.-St.	A.-St.	.....	.....	.....	St.	.....	.....	St. }
4	.....	...	St.	.....	.....	St.	.....	.....	Nb.
5	.....	...	St. } W. St.-Cu. }	Ci.-Cu.	A.-St. } A.-Cu. }	St.-Cu., W.N.W.	.....	.....	Fr.-St. } W.N.W. St. }
6	.....	...	St.-Cu. } W. St. }	.....	.....	Cu. } W. Fr.-Cu. }	.....	.....	St.-Cu., S.W.
7	Ci.-Cu. } W.	A.-Cu.W.	St.-Cu., W.	.....	A.-St.	Fr.-St., N.W.	.....	.....	St. } W.N.W. Fr.-St. }
8	Ci.-St. }	A.-St.	St. } S.E. St.-Cu. }	.....	A.-St. } N.N.W. A.-Cu. }	Fr.-St., S.E.	.....	.....	Fr.-St. } S.E. Fr.-St. }
9	Ci.-Cu., N.	...	St. } S.W. Fr.-St. }	Ci.-Cu., W.	A.-St., W.	Fr.-St. } W.S.W. St.-Cu. }	.....	.....	Fr.-St., W.S.W.
10	Ci.-Cu. } W.	...	Fr.-St. } W.N.W. St. }	.....	A.-St., E.	Fr.-Cu., W.	.....	.....	Fr.-St., W.
11	Ci.-St. }	...	St.-Cu. } N.W.	.....	A.-St.	Fr.-St., N.W.	.....	.....	Fr.-St.
12	.....	...	St.	.....	A.-St.	Fr.-St., N.	.....	.....	St.
13	.....	...	Fr.-Cu. } S. Fr.-St. }	.....	A.-St. } N.W. A.-Cu. }	Fr.-St., S.E.	.....	A.-St.	Fr.-St., S.E.
14	.....	...	St.-Cu. } S.W. Fr.-St. }	.....	.....	St.-Cu., W.S.W.	.....	.....	Fr.-St., W.
15	.....	A.-Cu.	Fr.-Cu. } W. St.-Cu. }	.....	A.-Cu.	Fr.-St. } W. St. }	.....	A.-St.	St., W.N.W.
16	.....	...	St.	.....	.....	St. } W.S.W. Fr.-St. }	.....	.....	St.
17	.....	...	St. } W.N.W. Fr.-St. }	.....	.....	St.	.....	.....	St.
18	Ci.-St.	A.-St.	St. } N.W. Fr.-St. }	.....	A.-St. } A.-Cu. }	St.-Cu., N.W.	.....	.....	St.
19	.....	...	St.-Cu. } N.W. St. }	.....	A.-St.	Fr.-St., N.W.	.....	.....	St., N.W.
20	.....	...	St.-Cu., W.	.....	.....	Fr.-Cu. } W. St. }	.....	.....	St.
21	.....	...	St.-Cu., W.	Ci.-St., W.N.W.	A.-St.	Cu. } W.S.W. Fr.-St. }	.....	.....	Fr.-Cu., S.W.
22	.....	...	A.-St.	.....	A.-St.	Fr.-St., N.W.	.....	A.-St.	.....
23	Ci.-St., N.W.	...	St. } N.W. Fr.-Cu. }	.....	.....	St.-Cu. } N.N.W. Fr.-St. }	.....	.....	St.-Cu. } N.N.W. St. }
24	.....	...	St.-Cu., N.W.	.....	A.-St.	St.-Cu. } N.W. St. }	.....	.....	St. }
25	.....	A.-St.	St.	.....	A.-Cu., N.W.	St.-Cu. } N.W. St. }	.....	.....	St. }
26	.....	...	St.	.....	.....	St.	.....	.....	St. }
27	.....	...	St.	.....	.....	St.	.....	.....	St.-Cu. } St. }
28	.....	...	St.-Cu. } St. }	.....	.....	St.-Cu. } St. }	.....	.....	St. }
29	.....	...	St.	.....	.....	St.	.....	.....	St.-Cu. } St. }
30	.....	...	St.	.....	.....	St.	.....	.....	Fr.-Cu. } St. }
31	.....	...	St.	.....	.....	Fr.-St. } St.-Cu. }	.....	.....	St. } W.N.W. St.-Cu. }

## MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

AUGUST, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	Ci.-Cu., W.N.W.	.....	Fr.-St. St. St.-Cu. St.	.....	.....	Nb.	...	.....	St.
2	.....	.....	St.-Cu. Cu.	S.S.W.	.....	.....	St., S.	...	.....
3	.....	.....	St., W.	.....	.....	St.	...	.....	St.
4	Ci.-St., W.N.W.	A.-Cu.	St. St.-Cu.	W.N.W.	.....	A.-Cu.	St. St.-Cu.	.....	St.
5	.....	A.-St.	St.-Cu. St.	W.	.....	A.-St.	St.-Cu. St.	.....	St.
6	.....	A.-St.	St.	.....	A.-St.	.....	Fr.-Cu., N.W.	...	A.-St.
7	.....	A.-St., N.W.	Fr.-St. St.-Cu.	N.N.W.	.....	.....	St. Cu.	...	St.
8	.....	A.-St.	Cu. St.-Cu.	N.W.	.....	.....	Fr.-Cu. St.	...	St.
9	.....	A.-St.	Fr.-Cu. St., N.W.	.....	A.-St.	.....	Fr.-St., S.E.	...	A.-St.
10	.....	.....	Cu. St.-Cu.	.....	.....	.....	Fr.-Cu. St.-Cu.	...	St.
11	.....	.....	St.-Cu. St.	.....	.....	.....	St.-Cu. St.	...	St.
12	.....	.....	St.	.....	A.-St.	.....	Fr.-St., N.W.	...	St.
13	.....	.....	St.	.....	.....	.....	St.	...	St.
14	.....	.....	St.-Cu. St.	W.S.W.	.....	A.-St.	St.-Cu. St.	.....	St.
15	.....	.....	Fr.-St., N.W.	Ci.-St.	.....	.....	St.-Cu., W.	...	.....
16	.....	.....	St.	.....	.....	.....	St. Fr.-St.	...	St.
17	.....	.....	St.	.....	.....	.....	St.	...	St.-Cu. St.
18	.....	.....	St.	.....	.....	.....	St.	...	.....
19	.....	.....	St.	.....	.....	.....	St.	...	St.
20	Ci.-St., W.N.W.	A.-Cu. A.-St.	W.N.W. Fr.-Cu.	W.N.W.	.....	A.-Cu. A.-St.	W.N.W. Fr.-St., W.N.W.	...	St.-Cu. St.
21	.....	.....	St. St.-Cu.	W.S.W.	.....	.....	St.	...	St.-Cu., W.
22	.....	.....	St. St.-Cu.	W.N.W.	.....	.....	St.-Cu. St.	...	A.-Cu., N.W.
23	.....	.....	St.	.....	.....	.....	St.	...	St.
24	.....	.....	St.-Cu.	.....	.....	St.-Cu.	.....	...	St.
25	.....	.....	St.	.....	.....	St.	.....	...	St.
26	.....	.....	St.	.....	A.-St.	.....	St.-Fr., N.N.W.	...	St.
27	.....	.....	St.	Ci.-St., N.W.	.....	.....	St.-Cu., W.N.W.	...	St.-Cu. St.
28	Ci.-Cu. Ci.-St.	.....	St.-Cu. St.	.....	.....	.....	St. St.-Cu., J	...	St.
29	.....	.....	St.	.....	.....	St.	...	...	St.
30	.....	.....	St.	.....	.....	St.	...	...	St.
31	.....	.....	St.	.....	.....	St.	...	...	St.

MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

SEPTEMBER, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.	.....	.....	St.	...	.....	St.
2	.....	.....	St.	.....	.....	St.	...	.....	St.
3	.....	.....	St.	.....	.....	St.	...	.....	St.
4	.....	.....	St.-Cu. } St. }	.....	.....	St.	...	.....	St.
5	.....	.....	St.	.....	.....	St.	...	.....	St.
6	.....	.....	St.	.....	.....	Fr.-St. }	...	.....	St.
7	.....	.....	St.	.....	.....	St.	...	.....	St.
8	.....	.....	St.	.....	.....	St.	...	.....	St.
9	.....	.....	St.	.....	.....	St. }	W.	.....	St.
10	.....	A.-Cu. } A.-St. }	Fr.-St.	.....	.....	St.	...	.....	St.
11	.....	.....	St.-Cu.	Ci.-St. } N.W. Ci.-Cu. }	A.-St.	.....	...	.....	.....
12	.....	A.-St.	St. }	St.-Cu. } S.E.	.....	St.	...	.....	St.
13	.....	.....	St.-Cu., W.N.W.	.....	A.-St.	St.	...	.....	St.
14	.....	.....	St.	.....	.....	St.	...	.....	St.
15	.....	.....	St. }	St.-Cu. }	A.-St.	St.-Cu.	...	A.-St.	St.-Cu.
16	Ci.-St., N.N.W.	.....	St.-Cu. }	Ci., N.N.W.	.....	St.-Cu. }	...	.....	St.
17	.....	.....	St.	Ci.-St., N.W.	A.-St.	St.	...	.....	St.
18	.....	.....	St.-Cu. } S.	St.	.....	St.-Cu. }	S.S.W.	.....	St.-Cu., S.S.W.
19	.....	.....	St.-Cu. }	W.S.W.	A.-Cu., W.	St.	...	.....	St.-Cu. } W.
20	.....	A.-St., N.W.	St.	.....	.....	St.-Cu. }	St.	.....	St.
21	.....	.....	St. }	St.-Cu. }	.....	St.-Cu.	...	.....	St.-Cu., W.
22	.....	.....	St.	.....	.....	St.	...	.....	St.
23	.....	.....	St. }	St.-Cu. }	.....	St.	...	.....	St.
24	.....	.....	St.	.....	.....	St.	...	.....	St. }
25	.....	A.-St.	St.-Cu., S.W.	.....	.....	St. }	W.S.W.	.....	St.-Cu. } W.
26	.....	.....	St. }	St.-Cu. }	.....	St.-Cu., W.S.W.	...	.....	St.-Cu. }
27	.....	.....	St. }	W.S.W.	.....	St.-Cu. }	E.	.....	St. }
28	.....	.....	Fr.-St.	St. }	.....	St.-Cu. }	St.	.....	Fr.-St. }
29	.....	.....	Fr.-St. }	W.N.W.	Ci.-St. } W.	St.	...	.....	St.
30	.....	.....	St.	.....	.....	Fr.-St. }	W.	.....	Fr.-St., W.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued*:

MARCH, NOCT., 1912.

Date.	9 a.m.			3 p.m.			6 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	...	St.	.....	.....	St.	.....	.....	Fr.-St. {
2	Ci.-St.	...	Fr.-Cu. } N.W. St.-Cu. }	.....	.....	Fr.-Cu., W.	.....	.....	St. {
3	Ci.-St.	A.-Cu.	Fr.-Cu.	.....	.....	St.	.....	.....	Fr.-St., W.
4	Ci.-St.	A.-St.	St.-Cu. } N.W. St.	.....	.....	St.	.....	.....	St.
5	.....	...	St.	.....	.....	St.	.....	.....	Fr.-St. {
6	.....	...	Fr.-St. } W.N.W. St.-Cu. }	.....	.....	St.	.....	.....	Fr.-St.
7	.....	...	St.	.....	.....	St.	.....	.....	Fr.-St., N.N.W.
8	.....	...	St.	.....	.....	St.	.....	.....	St.
9	.....	...	St.-Cu. } W. Fr.-Cu. }	.....	.....	St. } W. St.-Cu. }	.....	.....	St. {
10	.....	...	St.	.....	.....	St.	.....	.....	Fr.-St. {
11	.....	...	St.	Ci.-St. } Ci.-Cu. }	A.-Cu.	St., N.N.E.	.....	.....	St. {
12	.....	...	St.	.....	.....	St.	.....	.....	Fr.-St. {
13	.....	...	St.-Cu. } W.S.W. St.	Ci.-St., W.	.....	St. } W. St.-Cu. }	.....	.....	St. } W.
14	.....	...	St.-Cu. } W.S.W. Fr.-St.	.....	.....	St. } W. Fr.-St. }	.....	.....	Fr.-St. {
15	.....	...	St.-Cu. } W.S.W. St.	.....	.....	St.-Cu. } W.S.W. St.	.....	.....	Nb. {
16	.....	...	St.-Cu., W.S.W.	.....	.....	St.-Cu. } W. St.	.....	.....	St. {
17	.....	...	St.	.....	.....	St.	.....	.....	St. {
18	.....	...	St.	.....	.....	St.	.....	.....	St.
19	.....	...	Fr.-Cu. } W.N.W. St.-Cu.	.....	.....	St.	.....	.....	St.
20	Ci.-Cu. } Ci.-St. }	A.-Cu.	St., W.N.W.	.....	.....	St. } S.S.W. Fr.-St.	.....	.....	St.-Cu. {
21	.....	A.-St.	St. } W.S.W. St.-Cu.	.....	A.-St.	St.-Cu. } St.	.....	A.-Cu., W.S.W.	Fr.-St., W.
22	Ci.-St. } Ci.-Cu. }	...	St.	.....	.....	St. } N.W. St.-Cu.	.....	.....	St.
23	Ci.-Cu., W.N.W.	...	Fr.-St. } St.-Cu. } W.	.....	.....	St. } W.S.W. Fr.-Cu.	.....	A.-St.	St. {
24	.....	...	St.-Cu. } W. St.	.....	.....	St.-Cu. } Fr.-St.	.....	.....	Fr.-Cu. {
25	.....	...	St.-Cu., W.	.....	.....	Fr.-St. } S.W. St.-Cu.	.....	.....	St.-Cu. {
26	.....	...	St.-Cu. } W. St.	.....	.....	St.-Cu. } St.	.....	.....	St.-Cu. {
27	Ci.-St., S.W.	A.-St.	Fr.-Cu., N.W.	.....	.....	St. }	.....	.....	St. {
28	.....	...	St.-Cu. } S.W. Fr.-Cu.	.....	.....	Fr.-Cu. } W. St.	.....	.....	Nb. {
29	.....	...	St.-Cu. } W. Fr.-Cu. }	.....	.....	St.-Cu. } W. Fr.-Cu. }	.....	.....	St., W. {
30	.....	...	St.	.....	.....	St.	.....	.....	St. {
31	.....	...	St.	Ci.-St., W.N.W.	.....	St.-Cu., W.	.....	.....	St. {

## MACQUARIE ISLAND.

NOVEMBER, 1912.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.	.....	.....	St.	.....	.....	St.
2	.....	.....	St.	.....	.....	St.	.....	.....	St.
3	.....	.....	St.	Ci.-St. } W.	.....	Fr.-Cu. }	.....	.....	St.
4	Ci.-Cu.	.....	.....	Ci.-Cu. }	.....	St.-Cu. }	.....	.....	.....
5	.....	A.-St.	.....	Ci.-St.	A.-St.	N.N.W.	.....	.....	Fr.-Cu. } W.
6	.....	.....	St.	.....	.....	St. }	.....	.....	St.
7	.....	.....	St.	Ci.-St., N.N.W.	.....	Cu., N.W.	.....	.....	Fr.-Cu., S.
8	.....	.....	St.-Cu., S.S.E.	.....	.....	St.-Cu., S.	.....	.....	St.-Cu. } S.S.W.
9	.....	.....	St., W.N.W.	.....	.....	St.	.....	.....	St.
10	Ci.-St. } W.	.....	St.	.....	A.-Cu.	St.-Cu. }	.....	A.-St.	St., N.W.
	Ci.-Cu. }	.....	.....	.....	.....	St.	.....	.....	.....
11	.....	.....	St.	.....	.....	St.	.....	A.-St.	St., N.W.
12	.....	.....	St.	.....	.....	St.	.....	.....	St.
13	.....	.....	St.	.....	.....	St.	.....	.....	St.
14	.....	.....	St.	.....	.....	St.	.....	.....	St.
15	.....	.....	St.	.....	.....	St.	.....	.....	Fr.-Cu. }
	.....	.....	.....	.....	.....	.....	.....	.....	Fr.-St. }
16	.....	.....	St.-Cu. }	.....	.....	St.	.....	.....	St. }
	.....	.....	Fr.-St. }	.....	.....	.....	.....	.....	Fr.-St. }
17	Ci.-Cu.	.....	Fr.-Cu. } S.W.	.....	.....	Fr.-St. } W.S.W.	Ci.-St., W.	.....	Fr.-St., W.
	.....	.....	St.-Cu. }	.....	.....	St.-Cu. }	.....	.....	.....
18	.....	A.-St.	Fr.-St., W.	.....	.....	Fr.-Cu. } W.S.W.	.....	.....	Fr.-St. }
	.....	.....	.....	.....	.....	Fr.-St. }	.....	.....	St. }
19	Ci.-St.	.....	St.-Cu. }	.....	.....	St.	.....	.....	St.
	.....	.....	St. }	.....	.....	.....	.....	.....	.....
20	.....	.....	St.-Cu., W.S.W.	.....	.....	Fr.-St. } S.W.	.....	.....	St.-Cu. } S.W.
	.....	.....	.....	.....	.....	St.	.....	.....	Fr.-St. }
21	Ci.-St., N.	.....	Fr.-Cu. } W.	.....	.....	St. }	.....	A.-St.	Fr.-St., W.
	.....	.....	St.-Cu. }	.....	.....	St.-Cu. }	.....	.....	.....
22	.....	.....	St. }	.....	A.-St.	Fr.-St., W.N.W.	.....	.....	St.
	.....	.....	Fr.-St. }	.....	.....	.....	.....	.....	.....
23	.....	.....	St.	.....	.....	St.	Ci.-St.,	.....	Fr.-St. } W.
	.....	.....	.....	.....	.....	.....	W.N.W.	.....	Fr.-Cu. }
24	.....	.....	St.-Cu.	.....	A.-St. }	Fr.-St.	.....	.....	St. }
	.....	.....	.....	.....	A.-Cu. }	.....	.....	.....	.....
25	.....	.....	St. }	.....	.....	Fr.-Cu. }	.....	.....	St. } S.S.W.
	.....	.....	St.-Cu. }	.....	.....	St.-Cu. }	.....	.....	St.-Cu. }
26	.....	A.-St.	Fr.-St. } W.S.W.	.....	A.-St.	Fr.-St., W.N.W.	.....	A.-St.	Fr.-St., W.S.W.
	.....	.....	St.-Cu. }	.....	.....	.....	.....	.....	.....
27	.....	A.-Cu., W.S.W.	St.-Cu.	.....	A.-St.	St.-Cu. } W.S.W.	.....	.....	St.
	.....	.....	.....	.....	.....	Fr.-Cu. }	.....	.....	.....
28	.....	.....	St.	.....	A.-St.	St.-Cu.	.....	A.-St.	St.-Cu., S.W.
	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Ci.-Cu.	.....	Fr.-St.	.....	A.-St.	St. }	.....	.....	St. }
	.....	.....	.....	.....	.....	Fr.-St. }	.....	.....	Fr.-St. }
30	.....	.....	St. }	.....	Ci.-St.	.....	.....	.....	St. }
	.....	.....	Fr.-St. }	.....	.....	St. }	.....	.....	.....

## METEOROLOGY—MACQUARIE ISLAND STATION.

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MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

DECEMBER, 1912.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	...	St.	.....	.....	St.	.....	.....	St.-Cu. } N.W. St.
2	.....	...	St.	.....	.....	St.	.....	.....	St.
3	.....	...	St. } St.-Cu. }	.....	.....	St.	.....	.....	St.
4	.....	...	St.	.....	.....	St.-Cu.	.....	.....	St.
5	.....	...	St.	.....	.....	{ St.-Cu., E. Fr.-Cu., W.	.....	.....	St. } W. Fr.-Cu. }
6	.....	...	St.	.....	.....	St.	.....	.....	St.
7	.....	...	St.	Cl.-St., W.	.....	St.-Cu. } W. St.	.....	.....	St.
8	.....	A.-St.	Fr.-St. } N.W. St. }	.....	A.-St.	St.-Cu. } N.W. Fr.-St.	Gi.-St., N.E.	A.-Cu., N.	Fr.-Cu. } N. St.
9	.....	...	St.	.....	.....	St. } N.W. St.-Cu. }	.....	.....	St. } N.N.W. Fr.-St. }
10	Cl.-Cu. } N.N.W. Cl.-St. }	...	St.	Cl.-St..	.....	.....	.....	.....	St.
11	.....	...	Fr.-Cu., N.N.W.	Cl.-St., N.	.....	Fr.-Cu. } N.N.W. St.-Cu. }	.....	A.-St.	Fr.-Cu. }
12	.....	...	St. } N.N.W. Fr.-Cu. }	Cl.-St., W.	.....	Fr.-Cu. } N.W. St.-Cu. }	Cl.-St.	A.-St.	St. - N.W. Fr.-Cu. } W.N.W.
13	.....	...	St.	.....	.....	St.	Cl.-St.	.....	St. }
14	.....	...	St.-Cu. } W.N.W. St. }	.....	.....	St.-Cu., W.	.....	A.-St.	St.-Cu., N.W. Fr.-Cu. } W.
15	.....	...	St.	.....	.....	St.	.....	A.-St.	St. }
16	.....	...	St. } W.S.W. Fr.-Cu. }	Cl.-Cu., N.W.	A.-Cu., W.S.W.	Cu. } W.S.W. Fr.-Cu.	.....	A.-Cu., W.S.W.	Fr.-Cu. } W.S.W. Fr.-St.
17	.....	A.-St.	Fr.-Cu. } S.W. Fr.-St.	.....	A.-Cu., N.W.	Cu. } S.W. St.-Cu.	.....	A.-Cu., W.	Cu. } S.W. Fr.-Cu. }
18	.....	...	{ St.-Cu., W.N.W. Cu., S.E.	Cl.-St., S.E.	A.-Cu., N.W.	Fr.-Cu. } N.W. Cu.	Cl.	A.-Cu., N.	Cu. } N. Fr.-Cu. }
19	.....	A.-St.	Cu. } E.N.E. Fr.-Cu. }	.....	.....	St. } E.N.E. Fr.-Cu.	.....	.....	St. } E.N.E. Fr.-Cu. }
20	.....	A.-St.	Fr.-Cu. } W. St. }	.....	A.-Cu., W.	Fr.-St. } W.S.W. Fr.-Cu.	.....	A.-Cu., W.	St. } W.S.W. Fr.-Cu. }
21	Cl. } S.W. Cl.-Cu. }	...	Fr.-St., W.	.....	.....	St. } N.W. Fr.-Cu. }	.....	.....	St. } N.W. Fr.-Cu. }
22	.....	...	St.	.....	.....	St.	.....	.....	St.
23	Cl. } S. and Cl.-St. } W.	...	Cu., W.N.W.	Cl. } S.W. Cl.-Cu. }	A.-St., S.E.	Fr.-Cu., S.	.....	.....	St. } S. Fr.-St. }
24	.....	...	St.	Cl.-St. } N.W. Cl. }	.....	Fr.-St., W.N.W.	.....	.....	St. }
25	.....	...	St.	.....	.....	.....	.....	.....	St. }
26	.....	...	St.	.....	.....	Fr.-Cu. } W.N.W. Fr.-St. }	.....	A.-Cu.	Fr.-Cu. } W.N.W. Fr.-St. }
27	.....	...	St.	.....	.....	St.	.....	.....	St. }
28	.....	A.-St.	Fr.-St. } N.W. Fr.-Cu. }	.....	.....	{ Fr.-Cu., S. St., W.N.W.	.....	.....	{ St., S. Fr.-Cu., W.N.W.
29	Cl.-St., W.N.W.	...	Fr.-Cu., W.N.W.	Cl.-Cu., N.W.	A.-Cu., N.W.	Fr.-Cu., N.W.	.....	.....	St.-Cu. } W.N.W. Fr.-Cu. }
30	Cl.-Cu., N.W.	...	Cu., N.W.	Cl.-Cu. } N.N.W. Cl.-St. }	A.-Cu., W.N.W.	Cu. } W.N.W. St.-Cu. }	Cl.-St.	A.-St.	Cu., W.N.W.
31	.....	A.-St.	Fr.-Cu. } N.N.W. Fr.-St. }	.....	.....	St. } S. Fr.-Cu. }	.....	.....	St. } W.S.W. Fr.-Cu. }

## MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

JAN., 1913.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1		A.-St.	Fr.-Cu. } N.W. Fr.-St. }		A.-St.	Fr.-Cu. } N.W. Fr.-St. }	A.-Cu. } N.W. A.-St. }	Fr.-Cu. } N.W. Fr.-St. }	Fr.-Cu. } N.W. Fr.-St. }
2		A.-St.	Fr.-Cu. } W.N.W. Fr.-St. }		A.-St.	Cu. } N.W. Fr.-Cu. } N.W.	A.-St. } N.W. A.-Cu. }	Fr.-Cu. } W.N.W. Fr.-St. }	Fr.-Cu. } N.W. Fr.-St. }
3		A.-St.	Fr.-Cu. } N.W. St. Fr.-Cu. }	Ci.-Cu. } N.W. Fr.-Cu. }	A.-Cu.			A.-St. } N.W. A.-Cu. }	N.N.W. Fr.-Cu. }
4			Nb.			A.-St. } W.	Fr.-St. } W.S.W. Cu. }		
5			Cu. } W.	Ci.-Cu. } W. Cl.-St. }			Cu. } W.N.W. Fr.-Cu. }		Nb.
6	Ci.-St. } N.W. Ci.-Cu.	A.-Cu. } N.W. Cu.			A.-Cu. } N.W.	Cu. } W. Fr.-Cu. }		Cu. } W. Fr.-Cu. }	
7	Ci.-St. } W.N.W.		Cu. } N.N.W. Fr.-Cu. } N.W. Cl.-Cu. }	Ci.-St. } W. Cl.-Cu. }		Cu. } W.N.W. St.-Cu. }	A.-St. } N.W. Cu. }	St. } N.W. Fr.-Cu. }	
8		A.-Cu. } W.N.W. Cu. } W.S.W.				Cu. } W. Fr.-Cu. }	A.-St. } Cu. } W.N.W. Cu. }		
9	Ci.-Cu. } W.N.W. Ci.-St.		Cu. } W.S.W. Fr.-Cu. }	Ci.-Cu. } W. Cu. }		Cu. } W. St. }			Cu. } W.S.W. Fr.-Cu. }
10	Ci.-St. } W.		Cu. } W.S.W. Fr.-Cu. }		A.-Cu. } S.E. A.-St. }	Cu. } W. St. }			Cu. } W.S.W. Fr.-Cu. }
11		A.-St.	Cu. } W.S.W. Fr.-Cu. }			Cu. } S.W. Cu.-Nb. }	A.-St. } Cu. } W.S.W. Fr.-Cu.-Nb. }		
12			St. } Nb.			Nb. }	A.-Cu. } W. St. }	St. } W. Cu. }	
13			St.-Cu. } W.S.W. Fr.-Cu. }	Ci.-St. } W.	A.-Cu. } W.S.W.	St. } W.			
14			Fr.-Cu. } N.W. St.-Cu. }		A.-Cu. } S.W.	Cu.-S.W.			Cu.-Nb.
15			St.-Cu. } W. Cu.			St.			St. } N.W. Fr.-Cu. }
16			Fr.-Cu. } W.	Ci.-St.		Fr.-Cu. } W.N.W. Cu. }	A.-St. } Fr.-Cu. } N.W.		
17			Fr.-St.	Ci.-St. } W.N.W.			A.-St. } Fr.-Cu. } N.E.		
18			Fr.-Cu. } W.N.W. St.-Cu. }	Ci.-St. } W.S.W.		Cu. } N.W.	A.-Cu. } W.N.W. St. } S.E.		
19		A.-St.	Fr.-Cu. } N.W. St.-Cu. }		A.-St.	Cu. } W. Fr.-Cu. }			St. } S. Fr.-Cu. }
20			St. }	Ci.-St.	A.-St.	Cu. } S.W. Fr.-Cu. }			St. } S.W. Fr.-Cu. }
21		A.-St. } W. A.-Cu. }	Cu. } W.S.W. Fr.-Cu. }	Ci.-Cu. } W. Ci.-St. }		Cu. } W. Fr.-Cu. }			Cu. } N. Fr.-Cu. }
22		A.-St.	St.-Cu. } W.N.W. Cu.	Ci.-St. } N.		Cu. } W.N.W.			St. } N.N.W. Fr.-Cu. }
23	Ci.-St.		Fr.-Cu. } N.W.	Ci.-Cu. } N.W.	A.-St.		A.-St. } St. } W.N.W. Fr.-Cu. }		
24			Fr.-St. } W.N.W. Cu.			Cu. } W.N.W. St.-Cu. }	A.-St. } Fr.-St. } N.W.		
25	Ci. } N.N.W.		St. } Fr.-Cu. }		A.-Cu. } N.N.W.	St.-Cu. } N.W.	A.-St. } St.		
26			Cu. } W. Fr.-Cu. }			Cu. } W. Fr.-Cu. }			Cu. } W.S.W. Fr.-Cu. }
27			St.-Cu. } W.	Ci.-Cu. } N.W.	A.-St. } W.	Cu.			Cu. } W.S.W. Fr.-Cu. }
28			Cu. } W.N.W. St. }		A.-St.	Fr.-Cu. } N.W.			St. }
29						St.			St. }
30			St.			St.			St. }
31			St.			St. } W.S.W. Fr.-St. }			St. } W.S.W. Fr.-St. }

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

FEB., 1913.

Date:	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1			St.-Cu. } W.S.W. Fr.-Cu. }		A.-St.	St.-Cu., W.N.W.			St.
2			St.			St.			St.
3			St. } W. Fr.-Cu. }			St.			St.
4			St.-Cu., W.N.W. St. } W.	Ci. } W.		Gu.			St.
5			St.	Ci.-St. }		St.			Fr.-Cu., W.
6	Ci.-Cu.	A.-St.	St.-Cu., W.N.W.		A.-St.	St.-Cu., N.W.		A.-St.	Fr.-Cu., S.E.
7			St.		A.-St.	Fr.-Cu., W.N.W.			St.
8		A.-St., N.W.	Fr.-Cu., W.N.W.			Fr.-Cu., W.N.W.			Fr.-Cu. } W.
9			Fr.-Cu., N.W.			St.			St. }
10			St.-Cu. } W.S.W. St.		A.-St.	Fr.-Cu., W.			Fr.-Nb. }
11			St.-Cu. } W. Fr.-Cu. }			Fr.-Cu. } W.S.W.			Fr.-Cu.
12			Cu. } W.S.W. Fr.-Cu.			Nb. }			Fr.-Cu., W.S.W.
13			Cu. } S.W. St.-Cu.			Cu. }			Cu., S.W.
14		A.-St.	Cu. } S.W. Fr.-Cu.		A.-St.	Fr.-Cu., W.S.W.		A.-St.	Cu. } W. Fr.-Cu. }
15			St.			St. } W. Fr.-Cu. }			St.
16			St.			St.			St. } N.W. Fr.-Cu.
17			St.			St.			St. }
18			St.			St.			Fr.-Cu. }
19			St.	Ci.-St., S.	A.-Cu.	Fr.-St.	Ci.-St.	A.-St.	St. }
20			St.			St.			St. }
21	Ci.-Cu., W.		St.			St.			St. }
22			Cu. } W. Fr.-Cu. }			Cu. } W.			Cu. } W. Fr.-Cu. }
23	Ci.-St.		Cu. } W. Fr.-Cu. }			St.-Cu. } N.N.W.			St.
24			St.			Cu. } W. Fr.-St. }			St.
25		A.-St.	Fr.-Cu., N.W.			St.			St.
26			St.		A.-St.	St. } W.N.W.			Gu., W.
27			Cu.	Ci.-St., W.		Fr.-St.			Gu., W.
28	A.-Cu., W.	Cu., W.			A.-St.	Cu., W.S.W.			St. }
						Fr.-Cu., N.			Fr.-Cu. }

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

MARCH, 1913.

Date:	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	A.-St.	Fr.-Cu., W.-W.N.W.	Ci.-St.	.....	Cu.-Fr.-St., W.	....	...	St. ....
2	.....	.....	Cu. } W.S.W. Fr.-Cu. }	.....	.....	Fr.-Cu. } W.S.W. St.-Cu. }	...	...	St., W. ....
3	.....	.....	St.	.....	.....	St.	...	...	St. ....
4	.....	.....	Fr.-St. } W.N.W. Fr.-Cu. }	Ci.-St., W.N.W.	.....	Fr.-Cu., W.N.W.	...	...	St. ....
5	.....	.....	St.-Cu. } W. Fr.-Cu. }	Ci.-Cu., W.	.....	Fr.-Cu., W.N.W.	...	...	St. ....
6	.....	.....	St.	.....	.....	Cu. } W. Fr.-Cu. }	...	...	Fr.-Cu., W. ....
7	Ci.-St.	.....	Fr.-Cu. } W.S.W. Cu. }	.....	A.-St.	Fr.-Cu., W.S.W.	...	...	Fr.-Cu., S.W. ....
8	.....	A.-St.	Cu. } W. Fr.-Cu. }	.....	.....	St. } Fr.-St. }	...	...	St. ....
9	.....	.....	St.	.....	.....	St.	...	...	Cu. } S.W. Cu.-Nb. }
10	.....	.....	St.-Cu. } S.W. Fr.-Cu. }	St.	.....	Fr.-Cu.	...	...	Fr.-Cu., W.S.W. ....
11	.....	.....	St.	.....	.....	St.	...	...	St. ....
12	.....	.....	St.	.....	.....	St.	...	...	St. ....
13	.....	.....	St.	.....	.....	St.	...	...	St. ....
14	.....	.....	St.	.....	.....	St.	...	...	St. ....
15	.....	.....	St. } E.N.E. Fr.-Cu. }	.....	.....	St.	...	...	St. ....
16	.....	.....	St.	.....	.....	St.	...	...	St. ....
17	.....	.....	St.	.....	.....	St.	...	...	St. ....
18	.....	.....	St. } S.W. Fr.-Cu. }	.....	.....	St.	...	...	St. ....
19	.....	.....	Cu. }	Ci.-St.	.....	Cu.	...	...	St. } W. Cu. }
20	Ci.-St., A. } W. Ci.-Cu. }	.....	Fr.-Cu., W.S.W.	Ci.-St., E. is.	.....	Cu., W.S.W.	...	...	.....
21	.....	.....	St.	.....	.....	Fr.-Cu., W.	...	...	St. ....
22	Ci.-St.	.....	Cu. } S. Fr.-Cu. }	.....	A.-St.	Fr.-Cu.	...	...	Cu. } W.N.W. St. }
23	.....	A.-St.	Fr.-St., N.N.W.	.....	A.-St.	Fr.-St., N.	...	...	St. ....
24	.....	.....	St. } Fr.-Cu. }	.....	.....	Fr.-Cu., W.N.W.	...	...	Cu., W. ....
25	Ci.-St. } Ci.-Cu. }	A.-St.	Cu., W.	.....	.....	Fr.-Cu., W.	...	...	St. ....
26	.....	.....	St.	.....	.....	St.	...	...	St. ....
27	.....	.....	Nb.	.....	.....	St.	...	...	Fr.-St. } St. }
28	.....	.....	Cu. } W.S.W. St.-Cu. }	.....	.....	N.	Gi.-St.	...	Cu., S. ....
29	.....	A.-Cu. } W.S.W. A.-Cu. }	Cu. } W.S.W. Fr.-Cu. }	A.-Cu.	Cu. } W.S.W. Fr.-Cu. }	.....	...	...	Fr.-Cu. } W. St. }
30	.....	.....	St.	.....	Ci.-St., N.W.	St.	...	...	St. ....
31	Ci.-St., S.E.	A.-Cu.	St., N.W.	Ci.-St.	.....	St..	...	...	St. ....

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

APRIL, 1913.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	Ci.-Cu., W.N.W.	.....	Cu., W.N.W.	Ci.-St., W.N.W.	.....	Cu., W.	...	.....	Fr.-Cu., W.
2	.....	A.-St.	Cu., W.N.W.	.....	.....	St.	...	.....	Fr.-Cu., S.W.
3	Ci.-Cu. Ci.-St.	.....	.....	.....	A.-Cu.	Cu., W.	...	.....	St.
4	.....	Cu. Fr.-Cu.	W.S.W.	.....	.....	Cu., W.S.W.	...	.....	Fr.-Cu., W.S.W.
5	.....	A.-Cu. A.-St.	W.S.W.	Fr.-Cu. Cu.	W.S.W.	.....	Nb.	.....	Fr.-St., S.W.
6	Ci.-St.	A.-Cu. A.-St.	.....	.....	.....	.....	St.	.....	St.
7	.....	Nb.	.....	.....	.....	St.	...	.....	St.-Nb.
8	.....	St. Fr.-St.	N.W.	.....	.....	St.	...	.....	St.
9	.....	Fr.-Cu., W.	.....	.....	.....	St., W.N.W.	...	.....	St.
10	St.	A.-St.	Fr.-Cu., W.	.....	A.-St.	Fr.-Cu.	...	A.-St.	Fr.-Cu., W.
11	Ci.-St. Ci.-Cu.	.....	Fr.-Cu., W.N.W.	.....	.....	Fr.-Nb. Nb.	W.	.....	St.
12	.....	Nb.	.....	.....	.....	Nb., N.W.	.....	.....	St.
13	.....	Cu. St.	S.W.	.....	.....	Nb., S.W.	...	.....	St., W.S.W.
14	.....	A.-Cu. Cu. St.-Cu.	W.	Ci.-St.	A.-Cu., W.	Fr.-Cu., W.N.W.	...	.....	St., W.N.W. St.-Cu.
15	.....	St.	.....	.....	.....	St.	...	.....	St., Nb.
16	.....	Cu. Fr.-Cu.	W.	Ci.-St.	A.-Cu., W.S.W. A.-St.	.....	...	A.-St.	St., W.N.W. St.-Cu.
17	.....	St. Cu.	S.E.	.....	A.-St.	St.-Cu., S.E. Cu.	...	.....	St., S.E.
18	.....	St.	.....	.....	.....	St.	...	.....	St.-Cu., W.N.W.
19	.....	St.-Cu., W.	.....	A.-Cu.	St.	Fr.-St.	W.N.W.	.....	St.
20	Ci.-Cu., W.	.....	St.-Cu., W.	.....	.....	Fr.-Cu. Cu.	W.S.W.	A.-Cu.	Fr.-St., W.
21	.....	St.	.....	.....	.....	St.	...	.....	St.
22	.....	St.	.....	.....	.....	St.	...	.....	Cu., W.
23	.....	St. St.-Cu.	W.S.W.	.....	.....	St.-Cu., S.W.	...	.....	Cu.-Nb., S.W.
24	.....	St.-Cu., W.S.W. Cu.-Nb., W.S.W.	.....	.....	.....	St. St.-Cu.	W.	.....	St.
25	.....	St.	.....	.....	.....	St.	...	.....	St.
26	.....	St.	.....	.....	.....	St.	...	.....	St.
27	Ci.-St.	A.-Cu., N.W.	Fr.-St., N.W. Cu.	.....	.....	St.	...	.....	St.
28	.....	.....	Fr.-Cu., W. Cu.	Ci.-St., W.N.W. Ci.-Cu.,	.....	Fr.-Cu., W.	...	.....	Cu.-Nb., N.W.
29	.....	.....	Fr.-Cu., W.S.W. St.	.....	A.-Cu., S.	Cu., W.S.W. Fr.-Cu.	...	.....	St., S.S.W. Cu.
30	.....	A.-St.	Fr.-Cu., W.S.W.	.....	.....	St.	...	.....	St.

## MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MAY, 1913.

Date:	6 a.m.			3 p.m.			9 p.m.		
	Upper Level:	Middle Level:	Lower Level:	Upper Level:	Middle Level:	Lower Level:	Upper Level:	Middle Level:	Lower Level:
1	.....	A:-Cu., W.	Cu. } W.S.W.	.....	A:-Cu., W.	Cu. } W.	...	...	Cu. } S.W.
2	.....	.....	St. } S.S.W.	.....	.....	St. } S.S.W.	...	...	St. }
3	Ci:-St. } W.S.W.	A.Cu.	Fr.-Cu. }	.....	.....	St.-Cu., S.W.	...	...	.....
4	Ci:-St. } W.N.W.	A.-Cu., S.W.	St.-Cu., S.W.	.....	.....	St.	...	...	St.
5	.....	A.-Cu.	Cu., W.S.W.	Ci:-Cu., W.S.W.	.....	Cu., W.S.W.	...	...	St. Cu. } S.W.
6	.....	.....	Cu., S.W.	.....	A:-St.	Fr.-Cu., S.W.	...	...	St.
7	Ci:-St.	.....	Cu. } S.W.	Fr.-Cu. }	.....	St.-Cu., W.N.W.	...	...	St.
8	Ci:-St. } W.	.....	Fr.-Nb. } W.	.....	.....	Nb.	...	...	Cu. } S.S.W.
9	.....	.....	Cu., S.S.W.	Ci:-Cu., S.W.	.....	Cu. } S.S.W.	...	...	Cu. } S.S.W.
10	.....	.....	Cu. } S.	Ci:-St.	.....	St. Cu., S.	...	...	St. St., S.
11	.....	.....	St.	.....	.....	St.	...	...	St.
12	Ci:-St. } E.S.E.	.....	Fr.-Cu., W.	Ci:-St. } W.	.....	St., W.	...	...	Fr.-Cu. Cu. } W.
13	.....	.....	Cu., W.S.W.	Ci:-Cu. }	.....	St. Cu. } W.S.W.	...	...	St. Nb.
14	.....	A.-Cu.	Fr.-Cu.	.....	.....	Nb.	...	...	Cu., S.S.W.
15	.....	A.-Cu.	Fr.-Cu., S.W.	.....	.....	St.-Cu., S.W.	...	...	St. ]
16	.....	.....	St.	.....	.....	St.	...	...	.....
17	.....	A:-St.	St.-Cu., N.N.W.	.....	A:-St.	Fr.-Cu., N.N.W.	...	...	Nb.
18	Ci:-St., W.	.....	Cu., W.	.....	.....	Nb.	Ci:-St.	...	Cu., W.
19	.....	A:-St.	Fr.-Cu., S.S.E.	.....	A:-St.	Cu., S.S.E.	...	A:-St.	Cu., S.
20	.....	.....	Cu. } S.S.W.	.....	.....	Cu. } S.S.W.	...	...	Cu., S.W.
21	.....	.....	Cu., S.W.	.....	.....	St.-Cu., W.S.W.	...	...	St. ]
22	.....	.....	St.	.....	.....	Cu. } W.	...	...	Cu. Fr.-Cu. } W.
23	Ci:-Cu., W.	.....	Cu., W.	Ci:-Cu., W.	.....	Fr.-Cu. }	...	...	Nb.
24	.....	A:-St. } W.	A.-Cu. }	St.	.....	Nb.	...	...	St.
25	.....	A:-St.	St. Fr.-Cu. }	N.W.	.....	A:-Cu. St.-Cu. } N.W.	...	...	St.
26	.....	.....	St.	Ci:-St.	.....	St.	...	...	St.-Cu. }
27	.....	.....	Nb.	.....	.....	Nb. Fr.-Nb.	...	...	St. }
28	Ci:-St. } W.N.W.	.....	Cu. } W.S.W.	Fr.-Cu. }	A:-Cu. W.N.W.	Cu. } W.S.W.	...	...	St.
29	.....	A.-Cu.	Cu.-Nb. } W.	.....	.....	Cu. } W.	...	...	St.-Cu., S.S.W.
30	.....	.....	St.-Cu., W.S.W.	.....	.....	Cu.-Nb. } W.	...	...	St.-Cu. } W.
31	.....	.....	Cu., W.	.....	.....	St.	...	...	Cu. Fr.-Cu. } W.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

JUNE, 1913.

Date:	9 a.m.			3 p.m.			9 p.m.		
	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level
1	.....	A-St.	St.-Cu., N.	.....	.....	St.-Nb.	St.	.....	St.
2	.....	.....	St.	.....	.....	St.	St.	.....	Nb.
3	Ci.-St., N.W.	.....	Cu.	Ci.-St.	A-St., N.W.	St.-Cu., N.W.	St.	.....	St.
4	.....	A-St.	St.-Cu., N.W.	Ci.-Cu., N.N.W.	A-St., W.N.W.	.....	St.	.....	St.-Cu., W.
5	Ci.-St., W.	.....	Cu.; W.S.W.	.....	.....	Cu.-Nb.; S.S.W.	St.	.....	St.-Cu.; W.S.W.
6	.....	.....	St. { N.N.W.	Ci.-St. { N.W.	A-St.	.....	St.	.....	Cu. { Fr.-Cu. { S.
7	Ci.-Cu.; S.E.	.....	Cu. { S.E.	Ci.-Cu. { S.E.	A-Cu.	Cu.; S.S.E.	St.	.....	St.-Cu. { S.
8	Ci.-Cu.; S.W.	.....	Cu. { S.W.	Cu.-Nb.; S.W.	.....	Cu.-Nb.; W.S.W.	St.	.....	Cu.-Nb., S.
9	.....	.....	St.	.....	.....	Nb.	St.	.....	Cu.-Nb., S.
10	.....	.....	St.	.....	A-Cu.	St. { W.	St.	.....	St.
11	.....	A-St.	Cu. { W.	.....	A-Cu.; W.	St.-Cu., W.	St.	.....	Cu.; W.S.W.
12	.....	A-Cu.; W.N.W.	Fr.-Cu.; W.N.W.	.....	.....	St.	St.	.....	St.
13	.....	.....	St.-Cu., N.W.	.....	A-St. { S.	St.-Cu., W.N.W.	St.	.....	Fr.-Cu. { S.W.
14	.....	.....	St.	.....	A-Cu. { St.	St.-Cu. { S.	St.	.....	St.-Cu., W.
15	.....	.....	Cu., W.	.....	.....	Cu.-Nb.; S.	St.	.....	Cu. { S.
16	Ci.-St.; S.E.	.....	Nb. { W.S.W.	.....	.....	Nb.	St.	A-St. { Fr.-Cu. { W.N.W.	Fr.-St. { Cu., S.S.W.
17	.....	A-Cu.; W.N.W.	Cu., W.N.W.	.....	A-Cu.	Cu. { S.	St.	A-Cu.; W.S.W.	St.
18	.....	.....	St.-Cu., W.S.W.	.....	A-St., N.	Cu. { S.W.	St.	St.-Cu. { N.W.	Fr.-Cu. { Cu., W.N.W.
19	.....	.....	Fr.-Cu. { W.	.....	.....	St.-Cu. { Fr.-Cu. { W.N.W.	St.	St.-Cu. { N.W.	Fr.-Cu. { Cu., W.N.W.
20	.....	.....	Fr.-Cu.; S.W.	.....	A-Cu.; W.	Cu. { W.	St.	St.	St.
21	.....	.....	St.-Cu., S.W.	.....	.....	Nb.	St.	St.-Cu. { N.W.	Fr.-Cu. { .....
22	.....	.....	St.	.....	.....	St., W.S.W.	St.	.....	St.
23	.....	.....	St.	.....	.....	St.	St.	.....	St.
24	.....	A-St.	Fr.-St. { W.N.W.	.....	.....	St.	St.	.....	St.
25	.....	A-Cu.; N.E.	Fr.-Cu. { St.-Cu.	.....	.....	St.-Cu., W.S.W.	St.	St.-Cu. { W.S.W.	St.
26	.....	.....	St.	.....	.....	St.	St.	.....	Nb.
27	.....	.....	St.-Ci.; N.W.	.....	A-Cu.	St.	St.	.....	St.
28	.....	.....	St.	.....	A-Cu.	St.	St.	.....	St.
29	.....	.....	St.	.....	.....	St.	St.	.....	St.
30	Ci. { Ci.-St.	.....	Cu. { W.S.W.	.....	A-Cu.	Cu. { W.	St.	.....	.....
			Fr.-Cu. {			Fr.-Cu. {			

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

JULY, 1913.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.-Cu., W.	.....	A.-St.	St.-Cu., N.W. Cu.	....	.....	St. } N.N.W. Fr.-Cu. }
2	.....	A.-St.	St.-Cu., N.W.	.....	.....	Fr.-Cu. } W.N.W. St., W.	...	.....	Fr.-St., W.N.W.
3	.....	A.-St.	Fr.-Cu. } N.W. Fr.-St. }	.....	A.-St.	Fr.-St., N.W.	...	.....	Nb.
4	.....	.....	Cu., W.S.W.	.....	.....	Cu., S.W.	...	.....	Cu. } S.W. St. }
5	.....	A.-St.	St.-Cu., W.N.W.	.....	.....	Nb.	...	.....	Nb.
6	.....	.....	St.-Cu. } W.N.W. St.	.....	.....	St.-Cu., W.N.W.	...	.....	St.
7	.....	.....	St. } N.W. Fr.-St. }	Ci.-Cu., N.W.	.....	St.-Cu., N.W.	...	.....	.....
8	.....	.....	Nb.	.....	.....	St.-Cu., S.S.W.	...	.....	Nb.
9	.....	.....	Cu. } W.S.W. St.-Cu. }	.....	.....	Cu.	...	A.-Cu., N.W.	St.
10	.....	.....	St. } S.S.W. Cu. }	Ci.-St., N.W.	.....	St.	...	.....	St.
11	.....	.....	St.	.....	.....	Nb.	...	.....	.....
12	.....	A.-Cu. } E. A.-St. }	Cu. } W.N.W. Fr.-Cu. }	.....	A.-St.	St.-Cu., W.N.W.	...	.....	St. } N.W. St.-Cu. }
13	.....	.....	St. } N.W. St.-Cu. }	.....	.....	St.	...	.....	Nb.
14	.....	A.-St.	Cu., W.	.....	.....	St.-Cu., W.	...	A.-Cu.	St. } W.S.W. St.-Cu. }
15	.....	.....	Fr.-Cu. } S.W. Cu. }	.....	.....	Fr.-Cu., W.	...	.....	.....
16	.....	.....	.....	.....	A.-St.	St.-Cu. } W.N.W. Fr.-Cu. }	...	.....	St. } W.N.W. St.-Cu. }
17	.....	.....	St.	.....	.....	St.	...	.....	St.
18	.....	.....	St.	.....	.....	St.	...	.....	St.
19	.....	.....	St.	.....	.....	St.-Cu., N.	...	.....	St. } N.N.E. Fr.-Cu. }
20	.....	.....	Cu. } S. Fr.-Cu. }	.....	.....	Cu. } S. Fr.-Cu. }	...	.....	Fr.-Cu., S.
21	.....	.....	Fr.-Cu., S.W.	.....	.....	St.-Cu., W.S.W.	...	.....	St.-Cu. } W. Cu.-Nb. }
22	.....	.....	St.	.....	.....	St.	...	.....	Fr.-Cu., W.S.W.
23	.....	.....	Cu. } W.S.W. Fr.-Cu. }	.....	.....	Cu. } W. St.	...	.....	Cu. } W.N.W. St.
24	.....	.....	Cu. } W.S.W. St.-Cu. }	.....	.....	Cu. } W.S.W. St.	...	.....	Cu. } W.S.W. St.
25	.....	.....	Cu., S.W.	.....	.....	Cu., S.S.W.	...	.....	Cu., S.
26	.....	.....	St.	.....	.....	St.	...	.....	St.
27	.....	.....	Cu. } W. St. }	.....	.....	Cu., S.W.	...	.....	.....
28	.....	.....	Nb.	Ci.-St., S.E.	.....	St.-Cu., W.	...	.....	St.
29	.....	A.-Cu., W.	Fr.-St., N.W.	.....	.....	St.-Cu. N.W. St. W.	...	.....	St.
30	.....	A.-St.	St.-Cu., N.W.	.....	A.-St.	St.-Cu. } N. St. }	...	.....	St.
31	Ci.-Cu., W.S.W.	.....	St.	.....	.....	St.	...	.....	St.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*  
MACQUARIE ISLAND.

AUG., 1913.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	Nb.	.....	A.-St.	Fr.-St., N.	...	.....	Nb.
2	Ci.-St., W.N.W.	.....	Fr.-Cu., N.N.W.	.....	.....	St.	...	.....	Nb.
3	.....	.....	Fr.-Cu., N.N.W.	.....	.....	St.-Cu. } N.W. Fr.-Cu. }	...	.....	St., S.E.
4	Ci.-St., N.	.....	.....	.....	A.-Cu., S.E.	Cu. } N.W. St.-Cu. }	...	.....	St., S.E.
5	.....	.....	Cu. } Fr.-Cu. }	.....	.....	Cu. } Fr.-Cu. }	...	.....	St., S.E.
6	.....	.....	Nb.	Ci.-St., E.	.....	St.-Cu., N.N.W.	...	.....	St., S.E.
7	.....	A.-St.	Fr.-St. } St.-Cu. }	.....	.....	St.	...	.....	St., S.E.
8	.....	.....	St.-Cu. } N.W. St.	.....	.....	St.-Cu., W.	...	.....	St.-Cu. } W. St.
9	.....	.....	St.	.....	.....	St.	...	.....	St.
10	.....	.....	St.	.....	.....	St.	...	.....	St.
11	.....	.....	St.	.....	.....	Nb.	...	.....	Nb.
12	.....	.....	Cu., S.S.W.	.....	.....	St.-Cu., S.S.W.	...	.....	St.-Cu., S.S.W.
13	.....	.....	Nb. } S.W. St.-Cu. }	.....	.....	St.-Cu., S.W.	...	.....	St.-Cu., W.S.W.
14	.....	.....	St.-Cu., W.	.....	.....	Nb.	...	.....	Fr.-Cu., W. Fr.-St.
15	.....	A.-Cu., W.	St.	.....	.....	St. } N.W. St.-Cu. }	...	.....	St. } N.W. St.-Cu. }
16	.....	A.-St.	St.-Cu., N.W.	.....	.....	St.-Cu., N.N.W.	...	A.-St., N.N.W.	St.-Cu., N.N.W.
17	.....	.....	St.	Ci.-St. } W. Ci.-Cu. }	A.-Cu., S.E.	.....	...	.....	St.
18	.....	.....	Nb.	Ci.-Cu., N.W. } Ci., W.N.W. }	.....	.....	Ci.-St.	.....	St.
19	.....	.....	St.	.....	.....	St.	...	.....	St.-Cu. } St.
20	.....	.....	St.	.....	.....	St. } N.W. St.-Cu. }	...	.....	St.
21	.....	.....	St.	.....	.....	Nb.	...	.....	Fr.-Cu. } Cu.
22	.....	.....	Cu. } S.W. St.	.....	.....	St.-Cu., S.W.	...	.....	St.-Cu., S.W.
23	.....	.....	St.-Cu., N.W.	.....	.....	St.-Cu., N.W.	...	.....	Cu. } S.S.W. St.
24	.....	.....	St.-Cu., S.W.	.....	.....	Fr.-Cu., S.W.	...	.....	Cu. } W.S.W. St.-Cu.
25	.....	.....	Fr.-Cu., W.	.....	.....	Fr.-Cu., W.N.W.	...	.....	Cu. } W.N.W. Fr.-Cu.
26	.....	.....	St.-Cu., N.W.	.....	.....	St. } N.W. St.-Cu. }	...	.....	St. } N.N.W. St.-Cu. }
27	.....	A.-St.	St. } N.N.W. St.-Cu. }	Ci.-St., N.W.	.....	St.	...	.....	Nb.
28	.....	.....	St.-Cu. } Fr.-Cu. }	.....	A.-St.	St.-Cu. } St.	...	.....	Nb.
29	.....	.....	St.	.....	.....	St.	...	.....	.....
30	.....	.....	St.	.....	.....	St. } S. Fr.-Cu. }	...	.....	St. } S. Cu. }
31	.....	.....	Cu., S.W.	.....	.....	Cu., W.S.W.	...	.....	St.-Cu., W.

## MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued*.

SEPT., 1913.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	Nb.	.....	.....	St.	.....	.....	Cu. { W.
2	.....	.....	Cu. } W.	.....	.....	Cu. } W.S.W.	.....	.....	Fr.-Cu. { Cu. { W.S.W.
3	.....	.....	Cu. } W.S.W.	.....	A-St.	Fr.-St. } W.N.W.	.....	.....	St. { St.-Cu. } N.W.
4	.....	.....	Fr.-Cu. }	.....	.....	Fr.-Cu. }	.....	.....	Fr.-St. }
5	.....	.....	St.	.....	.....	Nb.	.....	.....	Nb.
6	.....	.....	Cu.	.....	A-Cu., W.S.W.	.....	.....	A-St.	.....
7	.....	.....	Nb.	.....	Ci-St., W.N.W.	.....	Fr.-St. } N.W.	.....	Nb. ....
8	Ci-St., S.E.	.....	Cu., W.	.....	.....	St.-Cu.	.....	.....	Cu. { W.
9	.....	A-St.	Fr.-Cu. } W.	.....	.....	Fr.-Cu. }	.....	.....	St. { Fr.-Cu. } S.S.W.
10	.....	.....	Cu. }	.....	.....	Nb.	.....	.....	Cu. { St. { N.W.
11	.....	.....	Nb.	.....	.....	.....	Fr.-St. } N.E.	.....	Fr.-St. }
12	.....	.....	Cu., S.W.	.....	A-St.	St. }	.....	.....	St. { Cu. { S.W.
13	.....	.....	Cu., S.W.	.....	.....	St.-Cu.	.....	.....	St. { Cu. { S.W.
14	.....	A-St.	Fr.-Cu. } W.	.....	.....	St.-Cu. }	.....	.....	St. { Cu. { S.W.
15	.....	.....	St.-Cu.	.....	.....	St.-Cu., E.N.E.	.....	.....	St. { Cu. { S.W.
16	.....	.....	St.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
17	.....	.....	Nb.	.....	Ci-Cu. } N.W.	A-Cu., N.W.	Fr.-Cu., S.	.....	St. { Cu. { S.W.
18	.....	.....	Ci-St.	.....	.....	.....	St.	.....	St. { Cu. { S.W.
19	.....	.....	St.	.....	Ci-St.	.....	Fr.-Cu.	.....	St. { Cu. { S.W.
20	.....	.....	St.	.....	Ci-St., S.W.	.....	St. }	.....	St. { Cu. { S.W.
21	.....	.....	St.	.....	.....	St. }	.....	.....	St. { Cu. { S.W.
22	.....	.....	Cu., W.	.....	.....	Nb.	.....	.....	St. { Cu. { S.W.
23	.....	.....	St.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
24	.....	.....	St.-Cu. } N.W.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
25	.....	.....	St.-Cu.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
26	.....	.....	St.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
27	.....	.....	St.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
28	.....	.....	St.	.....	.....	St.	.....	.....	St. { Cu. { S.W.
29	.....	.....	Fr.-Cu., W.	.....	.....	Nb.	.....	.....	St. { Cu. { S.W.
30	.....	A-St. } W.	A-Cu., W.N.W.	.....	A-Cu., W.	Fr.-Cu. } W.	.....	.....	St. { Cu. { S.W.

## METEOROLOGY—MACQUARIE ISLAND STATION.

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Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

OCT., 1913.

Date.	9 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.-Cu., W.	.....	.....	Cu. } W.N.W.	.....	.....	Cu., S.W.
2	.....	.....	Cu. } S.S.W.	.....	.....	Nb. } S.W.	.....	.....	Cu., W.S.W.
3	.....	.....	Nb. } St.	.....	.....	St.-Cu. } St.	.....	.....	St. ....
4	.....	.....	St.	.....	.....	St.	.....	.....	St. ....
5	.....	.....	St.	.....	.....	St.	.....	.....	St. ....
6	.....	.....	St.	.....	.....	St.	.....	.....	St. ....
7	.....	.....	St.	.....	.....	St.	.....	.....	Nb. ....
8	.....	.....	Fr.-Cu. }	.....	.....	St.-Cu.	.....	.....	.....
9	.....	.....	Fr.-St. }	.....	.....	St.-Cu.	.....	.....	St. ....
10	.....	.....	St.	.....	A-St.	St.-Cu.	.....	.....	Cu., } W.
11	.....	.....	Cu. } W.	.....	.....	St.-Cu. } W.	.....	.....	St.-Cu., W.N.W.
12	.....	.....	Fr.-Cu. }	.....	.....	Fr.-Cu.	.....	.....	St. ....
13	.....	.....	St.-Cu. } W.N.W.	.....	.....	St.-Cu. } W.N.W.	.....	.....	St. ....
14	.....	.....	St.-Cu. } W.N.W.	.....	.....	Cu.	.....	.....	St. ....
15	.....	.....	Cu.	.....	.....	St.-Cu. } W.	A-St.	.....	St. ....
16	.....	.....	St.	.....	.....	St.	.....	.....	St. ....
17	.....	.....	St.	.....	.....	Nb.	.....	.....	Nb. ....
18	Cl.-St.	.....	Nb., W.S.W.	.....	.....	Cu. }	.....	.....	St.-Cu., W.
19	Cl.-St., W.	.....	Cu.	.....	.....	Nb. }	.....	.....	Fr.-Cu. } W.
20	Cl.-St., W.	A-St.	St.-Cu., W.	Cl.-St., S.S.W.	.....	St.-Cu., W.S.W.	.....	A-St.	Fr.-St. }
21	Cl.-St., W.	.....	Nb.	.....	A-St.	St.-Cu., N.W.	.....	.....	St.-Cu., S.W.
22	Cl.-St., W.	.....	Nb.	.....	.....	St.	.....	.....	St. ....
23	Cl.-St., W.	.....	Nb.	.....	.....	St.	.....	.....	St.-Cu., W.S.W.
24	Cl.-St., W.	.....	Cu. } W.	Cl.-St., W.	.....	Cu., W.	.....	.....	St. ....
25	Cl.-St., W.	.....	Fr.-Cu. }	.....	.....	St.-Cu. } N.W.	.....	.....	St.-Cu., W.N.W.
26	Cl.-St., W.	.....	St.-Cu. } W.N.W.	.....	A-St.	St.-Cu. } N.W.	.....	.....	St. ....
27	Cl.-St., W.	.....	Cu. } W.	.....	A-Cu., W.	Cu. } W.N.W.	.....	.....	Nb. ....
28	Cl.-St., W.	.....	Fr.-Cu. }	.....	A-Cu., W.	St.-Cu. } S.W.	.....	.....	.....
29	Cl.-St., W.	.....	Cu. } W.	.....	A-Cu., W.	St.-Cu. } W.	.....	.....	.....
30	Cl.-St., W.	.....	Fr.-Cu. }	.....	A-Cu., W.	St.-Cu., N.W.	.....	.....	.....
31	Cl.-St., W.	.....	St.-Cu., W.N.W.	.....	A-Cu., W.	St.-Cu., N.W.	.....	.....	St. ....

## AUSTRALASIAN ANTARCTIC EXPEDITION

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

NOV., 1913.

Date.	0 a.m.			3 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	St.	.....	.....	St.	...	.....	St.
2	.....	A.-St., S.E.	Fr.-Cu., W.S.W.	.....	A.-St., N.W.	.....	...	.....	Cu. Fr.-Cu. } W.
3	.....	A.-St.	Fr.-Cu., N.	.....	.....	Fr.-Cu., N.	...	.....	Fr.-St. } N.N.E. Fr.-Cu. }
4	.....	.....	Nb.	.....	.....	St.	...	.....	.....
5	.....	.....	Cu., S.	.....	.....	St.-Cu., S.E.	...	.....	St.
6	.....	.....	St.	.....	.....	St.	...	.....	St.
7	.....	.....	St.-Cu., S.	.....	.....	St.-Cu., S.S.W.	...	.....	St.-Cu., S.W.
8	.....	.....	St. } W.S.W. St.-Cu. }	.....	.....	St.	...	.....	Cu. St.-Cu. } W.
9	.....	.....	St.	.....	.....	St.	...	.....	St.
10	.....	.....	St.-Cu., W.S.W.	.....	.....	St.-Cu., S.W.	...	.....	St.-Cu., S.W.
11	.....	.....	St.-Cu., W.S.W.	.....	.....	St.-Cu., W.	...	.....	.....
12	.....	.....	St.-Cu., S.S.W.	.....	.....	St.-Cu., W.S.W.	...	.....	Cu. Fr.-Cu. } W.
13	.....	.....	St.	.....	.....	St.-Cu., W.N.W.	...	.....	St. } N.W. St.-Cu. }
14	.....	.....	A.-St. } N.W. St.-Cu. }	.....	.....	St.	...	.....	St.
15	.....	.....	Nb.	.....	.....	St.	...	.....	St.
16	.....	.....	Nb.	.....	.....	St.	...	.....	St.
17	.....	.....	St.	Ci.-St., N.	.....	St. } N. St.-Cu. }	...	.....	St.
18	.....	A.-Cu., W.	Cu. } W.N.W. St.-Cu. }	.....	.....	St.	...	.....	St.
19	Ci.-Cu., W.N.W.	A.-Cu.	Cu., W.N.W.	Ci.-St., N.W.	.....	Cu.	...	.....	Cu. Fr.-Cu. } W.N.W.
20	Ci.-St., S.W.	.....	Cu. } W.N.W. Fr.-Cu. }	.....	.....	Fr.-Cu. } W.N.W. Cu. }	...	.....	.....
21	.....	.....	St.-Cu., N.W.	.....	.....	St.	...	.....	St.
22	.....	A.-St.	St.	.....	.....	St.	...	.....	.....
23	.....	.....	St.-Cu. } St. }	.....	.....	Nb.	...	.....	.....
24	.....	.....	St.-Cu., S.E.	.....	.....	St.-Cu., E.	...	.....	St.-Cu., N.E.
25	.....	.....	Nb.	.....	.....	St.	...	.....	.....
26	.....	.....	St.	.....	.....	.....	...	.....	St.
27	.....	.....	St.	.....	.....	St.	...	.....	Nb.
28	.....	.....	St.-Cu. } St. }	.....	.....	St.	...	.....	Nb.
29	.....	.....	St.-Cu. }	.....	.....	St.-Cu., N.N.E.	...	.....	St.-Cu., E.
30	.....	.....	Ci.-St., N.E.	.....	A.-Cu.	Fr.-Cu., S.E.	...	.....	St.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

DEC., 1914.

Date	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level
1	...	.....	St., S.W.	.....	.....	Cu.-Nb., S.W.	...	.....	Cu. St.-Cu. } S.W. St., W.N.W.	.....	.....	Cu. Cu.-Nb. } S.W. St., W.N.W.	...	.....	Fr.-Nb., W.S.W.
2	...	.....	St., W.	.....	.....	St., S.W.	...	.....	St., W.N.W.	.....	.....	St., W.N.W.	...	.....	St., N.W.
3	...	.....	St., N.	.....	.....	St. } N.W. St.-Cu. }	...	.....	St. } N.W. St.-Cu. }	.....	.....	St. } W. St.-Cu. }	...	.....	St.-Cu., W.
4	...	.....	Cu., } W. Fr.-Cu. }	.....	.....	Fr.-Cu., } N.W. Cu.-Nb. }	...	.....	Cu.-Nb., N.W.	.....	.....	Cu.-Nb., N.W.	...	.....	Nb., N.W.
5	...	.....	Fr.-Nb., N.W.	.....	.....	Fr.-Nb., N.W.	...	.....	Fr.-Nb., N.W.	.....	.....	Fr.-Cu., N.W.	...	.....	Fr.-Nb., W.
6	...	.....	Fr.-Cu., W.	.....	.....	.....	.....	.....	Fr.-Cu., N.W.	.....	.....	Fr.-Cu., N.E.	...	.....	Cu. } S.E. St.-Cu. }
7	...	.....	St.-Cu., S.E.	.....	.....	St.-Cu., S.E.	...	.....	St.-Cu., S.E.	.....	.....	Fr.-Cu., W.	...	.....	St.-Cu. } W. Cu.-Nb. }
8	...	.....	St.-Cu., W.	.....	.....	Fr.-Cu., W.	...	.....	Fr.-Cu., S.W.	.....	.....	Fr.-Cu., W.	...	A-St., W.	.....
9	...	.....	Nb., E.N.E.	.....	.....	Nb., E.N.E.	...	.....	Fr.-Nb. } W. Cu.-Nb. }	.....	.....	St.-Cu., W.S.W.	...	.....	St.-Cu., W.
10	...	.....	Nb., } S.E. Cu.-Nb. }	.....	.....	St.-Cu., S.E.	...	.....	St.-Cu., S.E.	.....	A-St., S.W.	St.-Cu., S.E.	...	A-St.	.....
11	...	.....	St.-Cu., E.	Cl.-Cu., N.W.	.....	.....	.....	A.-Cu., N.N.W.	.....	.....	A.-St., S.E.	.....	...	A.-St., S.	.....
12	...	.....	Nb., W.	.....	.....	Fr.-Nb., S.W.	...	.....	Fr.-Cu., S.W.	.....	.....	Fr.-Cu., S.W.	...	.....	.....
13	...	.....	Cu.-Nb., S.E.	.....	.....	Fr.-Cu., S.E.	...	A.-Cu.	Fr.-Cu. } St.-Cu. }	.....	.....	A.-Cu., S.E.	.....	...	A.-St., S.
14	...	.....	Fr.-Nb., N.W.	.....	.....	.....	...	.....	Fr.-Nb., W.	.....	.....	Fr.-Nb., W.	...	.....	.....
15	...	.....	St.	.....	.....	St.-Cu.	...	.....	St.-Cu., N.N.W.	.....	.....	St.-Cu., N.N.E.	...	A-St.	Fr.-St., E.
16	...	A-St., S.E.	.....	.....	A-St., S.E.	.....	.....	A-St., S.E.	.....	.....	A-St., S.E.	.....	...	A-St., S.E.	.....
17	...	.....	Nb., N.N.W.	.....	.....	Nb., N.N.W.	...	.....	St.-Cu., N.W.	Cl.-St. } N.E. Cl.-Cu. }	.....	.....	...	A-St., S.E.	.....
18	...	.....	St.-Cu. } W.N.W. Nb., } W.N.W.	.....	.....	Nb., N.N.W.	...	.....	St.-Cu., N.W.	.....	.....	St.-Cu., W.N.W.	...	.....	Fr.-Cu., W.S.W.
19	...	A-St.	.....	.....	.....	Nb., N.	...	.....	Nb., E.N.E.	.....	.....	Nb., S.E.	...	.....	Fr.-Cu., N.W.
20	...	A-Cu., N.W.	Fr.-St., W.	.....	.....	Fr.-Nb., N.W.	...	.....	Nb., N.W.	Cl.-St., N.W.	.....	Fr.-Cu., S.W.	...	.....	Fr.-Nb., W.
21	...	.....	Fr.-St., S.W.	.....	.....	.....	...	.....	.....	.....	.....	.....	...	.....	.....
22	...	.....	St. } W. Fr.-Nb. }	.....	.....	St., W.N.W.	...	.....	Fr.-Nb., W.N.W.	.....	.....	St., W.	...	.....	St., W.
23	...	.....	Fr.-Nb., N.W.	.....	.....	Fr.-Nb., N.W.	...	A-St., W.	Fr.-St., W.N.W.	.....	.....	St. } W.N.W. St. }	...	A-St., S.W.	Fr.-St., W.
24	...	.....	Fr.-Nb. } Fr.-Cu. }	.....	.....	Fr.-Nb., S.W.	...	.....	Fr.-St., S.S.W.	.....	.....	Fr.-Nb. } St. }	...	.....	St., S.S.W.
25	...	A-St., W.	Fr.-Nb., N.W.	.....	.....	Fr.-Nb., N.W.	...	.....	St. } W. Fr.-Nb. }	.....	.....	St. } S.W. St. }	...	A-St.	Fr.-Nb., S.W.
26	...	A-St.	Fr.-Cu., S.W.	.....	.....	St., S.W.	...	.....	Fr.-Cu., S.S.W.	.....	A-St.	Fr.-Nb., S.	...	A-St.	.....
27	...	.....	St., S.W.	.....	.....	St., S.W.	...	A-St., W.	.....	A-St.	.....	...	A-St.	.....	.....
28	...	.....	St., W.N.W.	.....	.....	St., N.W.	...	.....	St., N.N.W.	.....	.....	St., N.N.W.	...	.....	St., N.
29	...	.....	St., N.	.....	.....	St., N.	...	.....	St., N.	.....	.....	St., W.N.W.	...	.....	Fr.-St., W.
30	...	.....	St.	Cl., W.	.....	.....	...	.....	Fr.-St., N.W.	.....	.....	St., N.W.	...	.....	St., N.W.
31	...	.....	Nb., N.	.....	.....	.....	...	.....	Fr.-St., W.	.....	.....	St., W.	...	.....	St., W.

JAN., 1915.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

Date	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level
1	...	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	St., N.N.W.
2	...	.....	St., W.	...	A.-St., W.N.W.	.....	...	A.-St., W.N.W.	.....	...	A.-St., W.	.....	...	A.-St., W.	.....
3	...	A.-St., W.	.....	...	.....	Fr.-Cu., S.W.	...	.....	Fr.-Cu., S.W.	...	.....	Fr.-Cu., S.W.	...	.....	.....
4	...	A.-St., E.	.....	...	A.-St., N.E.	.....	...	A.-St., E.	.....	...	A.-St., E.	.....	...	A.-St., E.	.....
5	...	.....	Nb., E.S.E.	...	.....	Nb., S.E.	...	.....	Nb., S.E.	...	.....	Nb., S.E.	...	.....	Nb., S.E.
6	...	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	St., S.W.	...	.....	St., S.S.W.
7	...	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.
8	*	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....
9	*	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....
10	*	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....
11	*	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....	...	.....	.....
12	...	.....	Fr.-St., W.N.W.	...	.....	Fr.-St., W.N.W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.
13	...	.....	Nb., N.	...	.....	Fr.-Cu., N.W.	...	.....	Cu., S.W.	...	.....	Fr.-Cu., S.W.	...	.....	St., S.W.
14	...	.....	St.-Cu., S.	...	.....	St., W.	...	.....	St., W.N.W.	...	.....	Nb., N.N.W.	...	.....	Nb., N.
15	...	.....	St., W.	...	.....	Fr.-Cu., S.W.	...	.....	Fr.-St., W.S.W.	...	.....	St., W.	...	.....	St.-Cu., W.
16	...	.....	Fr.-St., W.	...	.....	Fr.-St., W.S.W.	...	.....	St., W.	...	A.-St., W.	...	.....	...	St., N.W.
17	...	.....	Nb., N.	...	.....	St., N.W.	...	.....	Nb., N.W.	...	...	Nb., W.N.W.	...	.....	Nb., W.
18	...	.....	Nb., S.W.	...	.....	Nb., S.W.	...	.....	Nb., S.S.W.	...	...	Fr.-Cu., S.S.W.	...	.....	Nb., S.W.
19	...	.....	St., W.	...	.....	St., W.	...	...	Fr.-Cu., W.S.W.	...	...	St., W.S.W.	...	.....	St., W.S.W.
20	...	.....	Nb., E.	...	.....	Nb., E.	...	.....	Nb., S.E.	...	...	Nb., S.E.	...	.....	St., N.W.
21	...	.....	St., N.N.W.	...	.....	St., N.	...	.....	Nb., N.	...	...	Nb., N.	...	.....	St., N.
22	...	.....	Nb., N.	...	.....	Fr.-St., N.W.	...	.....	Nb., N.	...	...	Nb., N.	...	.....	Nb., N.
23	...	.....	St.-Cu., W.	...	.....	St.-Cu., N.W.	...	...	Fr.-St., N.W.	...	...	St.-Cu., N.W.	...	.....	St., N.W.
24	...	.....	St.-Cu., W.	...	.....	St., W.	...	...	Fr.-Nb., W.	...	...	Fr.-Nb., W.	...	.....	St., W.
25	...	.....	St.-Cu., W.	...	.....	St., W.	...	A.-St., W.	...	...	A.-Cu., W.	...	...	A.-St., W.N.W.	.....
26	...	.....	Nb., N.E.	...	.....	Nb., E.	...	.....	Nb., N.W.	...	...	Fr.-Nb., W.	...	.....	Fr.-Nb., W.
27	...	.....	Nb., N.	...	.....	St., N.	...	.....	St., N.	...	...	St., N.W.	...	.....	St., N.N.W.
28	...	.....	St., N.W.	...	.....	St., N.W.	...	...	Fr.-St., N.W.	...	...	St.-Cu., N.W.	...	.....	St., N.N.W.
29	...	.....	Nb., W.	...	A.-St., W.	...	...	St.-Cu., W.	...	...	St., W.	...	.....	St., W.	
30	...	.....	Nb., W.	...	A.-St., W.	...	...	A.-St., W.	...	Cl.-Cu., W.	...	Fr.-St., W.	...	A.-St.	Fr.-St., W.
31	...	.....	Nb., N.W.	...	A.-St., N.W.	...	...	...	Nb., N.W.	...	...	Nb., N.W.	...	A.-Cu.	Nb., W.N.W.

\* No observations taken from 8th to 11th owing to absence from the Station.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued*.

MACQUARIE ISLAND.

FEB., 1915.

Date.	9 a.m.			12 noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	...	.....	Nb., N.W.	.....	A.-St., W.	.....	.....	A.-Cu., W.	.....	.....	A.-Cu., W.	.....	...	.....	Fr.-St., W.
2	...	A.-St., W.	.....	.....	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	...	.....	St., N.
3	...	.....	Fr.-Nb., N.	.....	.....	Nb., W.N.W.	.....	.....	Fr.-Nb., W.N.W.	.....	A.-St.	Fr.-St., W.N.W.	...	.....	Cu., W.N.W.
4	...	A.-Cu., W.	.....	Cl.-St., W.N.W.	.....	.....	.....	Nb., N.	.....	.....	Nb., N.W.	...	.....	St., N.W.	
5	...	.....	St., N.W.	.....	.....	St., N.W.	.....	.....	St., N.W.	.....	.....	St., N.N.W.	...	.....	Nb., N.N.W.
6	...	.....	Nb., N.	.....	.....	Nb., N.	.....	.....	Nb., S.S.E.	.....	.....	St., S.	...	.....	St., W.S.W.
7	...	.....	St., N.W.	.....	.....	St., N.W.	.....	.....	.....	.....	.....	Fr.-St., N.W.	...	.....	Fr.-St., N.W.
8	...	.....	St., S.	.....	A.-St., N.W.	.....	.....	.....	.....	.....	.....	Fr.-St., N.W.	...	.....	Fr.-St., N.W.
9	...	.....	St., N.	.....	.....	.....	.....	Fr.-Cu., S.E.	Cl.-St., N.W.	.....	.....	.....	...	.....	St., S.
10	...	.....	Cu.-Nb., N.	.....	A.-St., W.N.W.	.....	.....	Fr.-Cu., S.	.....	A.-St., W.	Fr.-St., N.W.	...	.....	Nb., N.N.E.	
11	...	.....	St., W.	.....	.....	Fr.-St., W.	.....	.....	St., W.	.....	A.-St., W.	.....	...	A.-St., W.	.....
12	...	.....	Fr.-Nb., N.W.	.....	.....	Fr.-Nb., W.N.W.	.....	.....	Fr.-St., W.	.....	.....	Fr.-Nb., N.W.	...	.....	Fr.-St., W.
13	...	.....	Fr.-St., W.	.....	.....	.....	.....	A.-St., N.W.	.....	.....	.....	.....	...	.....	Fr.-Nb., E.
14	...	.....	Fr.-St., S.W.	.....	.....	.....	.....	A.-St., S.W.	.....	.....	A.-St.	Fr.-St., S.W.	...	A.-St.	Fr.-St., W.S.W.
15	...	A.-St., W.	.....	.....	A.-St.	.....	.....	A.-Cu., N.W.	.....	.....	A.-Cu., N.W.	Fr.-St., W.	...	.....	St., N.N.W.
16	...	.....	St., N.W.	.....	.....	Nb., N.N.W.	.....	.....	Nb., N.N.W.	.....	A.-St., W.	.....	...	.....	.....
17	...	.....	St., W.	.....	.....	St., W.N.W.	.....	A.-St.	St., W.	.....	.....	St., Cu., W.	...	.....	Fr.-St., W.
18	...	.....	Fr.-St., W.	.....	A.-Cu., W.	.....	.....	A.-Cu., W.	Fr.-St., W.	.....	A.-Cu., S.W.	Fr.-St., W.	...	.....	Fr.-St., W.
19	...	.....	St., W.N.W.	.....	.....	St., W.N.W.	.....	.....	St., W.N.W.	.....	.....	St., W.N.W.	...	.....	St., W.N.W.
20	...	.....	Fr.-St., S.W.	.....	.....	Fr.-Cu., S.W.	.....	.....	Fr.-Cu., S.W.	.....	.....	Fr.-Cu., S.W.	...	.....	St., S.W.
21	...	.....	Fr.-St., W.	.....	A.-Cu., W.	.....	.....	A.-St., W.	.....	.....	A.-St.	.....	...	.....	.....
22	...	.....	Fr.-St., N.W.	.....	A.-Cu., W.	.....	Cl.-St., N.W.	.....	.....	Cl.-St., N.W.	.....	.....	...	.....	St.
23	...	A.-St.	.....	.....	A.-St.	.....	.....	A.-Cu., S.	.....	.....	A.-St.	.....	...	A.-St.	.....
24	...	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	...	.....	St.
25	...	.....	St., N.N.W.	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	...	.....	St., N.N.W.
26	...	.....	Fr.-St., W.	.....	A.-St.,	.....	.....	A.-Cu.,	Fr.-St., W.	.....	A.-Cu.,	.....	...	A.-St.	.....
27	...	A.-St., W.	.....	A.-Cu.,	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	.....	Nb., N.W.	.....	...	.....	Nb., N.W.
28	...	.....	.....	.....	A.-Cu., N.W.	.....	.....	A.-Cu., N.W.	.....	.....	.....	.....	...	A.-St., N.	.....

MAR., 1915.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

Date.	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	A.-Cu., N.W.	.....	Ci.	.....	.....	.....	A.-Cu., N.	.....	.....	A.-St.	.....	.....	.....	.....	St.
2	.....	Fr.-Nb., N.	.....	.....	Fr.-Nb., N.N.E.	.....	.....	Fr.-Nb., N.N.E.	.....	.....	Fr.-Nb., N.	.....	.....	.....	Fr.-Nb., N.E.
3	A.-St., N.W.	.....	.....	A.-St., N.W.	.....	.....	.....	St., W.N.W.	.....	Cl.-St. } E. Cl.-Cu. }	.....	St., S.	Cl.-Cu., N.	.....	.....
4	.....	St.-Cu., N.W.	Ci.-Cu., N.W.	.....	.....	.....	.....	Nb., N.	.....	.....	Nb., N.	.....	Cl.-St. }	.....	Nb., N.W.
5	.....	Fr.-St., N.W.	.....	.....	Fr.-Cu., W.N.W.	.....	.....	St.-Cu., W.	.....	.....	St.-Cu., W.	.....	.....	.....	St.-Cu., W.
6	A.-Cu., N.N.W.	.....	.....	A.-Cu., N.N.W.	.....	.....	A.-Cu., N.W.	.....	.....	A.-St.	.....	.....	.....	.....	Nb., N.
7	.....	St., N.	.....	.....	St.	.....	.....	St.	.....	.....	St.	.....	.....	.....	Nb..
8	.....	Fr.-St., N.W.	.....	.....	Cl.-Cu., W.N.W.	.....	.....	Cl.-Cu., N.W.	.....	.....	Fr.-St., N.W.	.....	.....	.....	Nb., N.
9	.....	St.-Cu., N.W.	.....	.....	Fr.-St., N.W.	.....	.....	St.-Cu., N.W.	.....	.....	St.-Cu., W.	.....	.....	.....	Fr.-Cu., W.
10	.....	Fr.-Nb., N.	.....	A.-St.	.....	.....	Fr.-St., N.W.	Cl.-Cu., W.	.....	Fr.-St., N.W.	.....	.....	.....	.....	Fr.-Nb., N.N.W.
11	.....	Fr.-St., N.W.	.....	.....	.....	Cl.-Cu., W.	.....	Cu. } W.N.W. Fr.-St. }	.....	A.-St.	Cu.	.....	.....	.....	Fr.-St., N.W.
12	.....	Nb., W.N.W.	.....	.....	Nb., W.N.W.	.....	.....	Fr.-St., W.	.....	A.-St., W.	.....	.....	.....	.....	St., W.
13	.....	St., W.N.W.	.....	A.-St., W.	.....	.....	A.-St.	.....	.....	.....	Nb., W.	.....	.....	.....	St., W.
14	.....	St.-Cu., W.	.....	A.-St., W.	.....	.....	A.-St., W.	.....	.....	A.-St., W.	.....	.....	A.-St.	.....	.....
15	A.-St., W.	.....	.....	A.-St., W.	.....	.....	St.	.....	.....	St.	.....	.....	.....	.....	Cu.
16	A.-St., W.	.....	.....	.....	St., N.N.W.	.....	.....	Nb., N.W.	.....	A.-Cu., W.	Cu., W.	.....	.....	.....	Fr.-St., W.
17	.....	Fr.-St., W.	.....	.....	Fr.-St., W.	.....	.....	Fr.-St., W.	.....	A.-St., W.	.....	.....	A.-St.	.....	.....
18	.....	St., N.W.	.....	.....	St., N.W.	.....	.....	St., N.W.	.....	A.-St., W.	.....	.....	A.-St., W.	.....	.....
19	.....	St., N.N.W.	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	.....	.....	.....	Nb., N.N.W.
20	.....	Fr.-Cu., W.	.....	.....	Nb., N.W.	.....	.....	Nb., W.	.....	.....	St.	.....	A.-St.	Cu.	.....
21	.....	Fr.-Cu., W.	.....	A.-St., W.	.....	Cl.-Cu., W.	.....	Fr.-Cu., W.	.....	A.-St.	St.-Cu., W.	.....	.....	.....	St., W.
22	A.-St.	.....	.....	A.-St.	.....	.....	St.	.....	.....	St.	.....	.....	.....	.....	St., W.
23	.....	St., N.W.	.....	.....	St., N.W.	.....	.....	St.	.....	.....	St.	.....	.....	.....	St., W.
24	.....	St.	.....	.....	St.	.....	.....	St.	.....	.....	St.	.....	.....	.....	St.
25	.....	St.	.....	.....	.....	.....	A.-Cu.	.....	.....	A.-St.	.....	.....	.....	.....	St.
26	.....	Nb., N.N.W.	.....	A.-St.	.....	.....	.....	Fr.-St., W.	.....	.....	Cu. } W. Fr.-Cu. }	.....	.....	.....	St.-Cu., W.
27	.....	Nb., N.	.....	.....	Nb., N.	.....	.....	Fr.-Nb., N.	.....	.....	Fr.-Nb., N.N.W.	.....	.....	.....	St.
28	.....	Fr.-St., W.	Cl.-St., W.	.....	Cu. } W. Fr.-St.	.....	A.-St.	Fr.-St., W.	.....	A.-St.	.....	.....	.....	.....	St., W.
29	A.-Cu., W.	Fr.-St., W.	.....	.....	Nb., N.W.	.....	.....	Fr.-St.	.....	.....	A.-Cu.	Fr.-St., W.	.....	.....	St.
30	.....	St., W.	.....	.....	Nb., N.W.	.....	.....	St., W.	.....	.....	Nb., N.W.	.....	.....	.....	St., N.W.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

APRIL, 1915.

Date.	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	...	.....	Nb., W.N.W.	...	.....	Nb., W.N.W.	...	A-St., S.	.....	...	A-St.	St.-Cu., S.	...	A-St., S.S.W.	.....
2	...	.....	Nb., S.	...	A-St.	Fr-St., S.S.W.	...	.....	Fr-St., S.W.	...	.....	St-Cu., S.W.	...	A-St., S.W.	.....
3	...	.....	Nb., N.W.	...	.....	Nb., N.W.	...	.....	Nb., W.	...	A-St., W.	.....	...	A-St.	.....
4	...	.....	St., W.	...	.....	Fr-St., W.	...	A-Cu., W.	.....	...	A-Cu., W.	.....	...	A-St.	.....
5	...	.....	St.-Nb., W.N.W.	...	A-Cu., W.	Fr-St., W.	...	A-Cu., W.	Fr-St., W.	...	.....	St-Cu., W.	...	A-St.	.....
6	...	.....	Cu., W.	...	.....	Fr-St., S.W.	...	.....	St.-Cu., S.W.	...	A-Cu., W.S.W.	.....	...	.....	Nb., W.
7	...	.....	Nb., W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.	...	.....	Nb., W.N.W.
8	...	.....	St., W.N.W.	...	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.W.
9	...	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.W.	...	.....	Nb., N.W.
10	...	A-Cu., S.E.	...	A-Cu.	...	...	A-Cu., S.	.....	...	A-Cu., W.S.W.	.....	...	A-St.	.....	
11	...	A-St., N.W.	...	A-St.	...	...	St.	...	...	St.	...	...	...	...	Nb.
12	...	.....	Nb., N.	...	.....	Nb., N.	...	...	St., N.	...	...	St., N.	...	...	St., N.
13	...	.....	St., N.N.E.	...	.....	St., N.W.	...	...	Fr-St., W.N.W.	...	...	St.	...	...	St.
14	...	A-St., N.W.	Fr-St., N.W.	...	A-St., N.W.	...	...	...	Nb., N.N.W.	...	A-St., N.W.	St., N.W.	...	...	St., W.
15	...	A-Cu.	St.	...	.....	Fr-St., W.	...	...	Fr-St., W.	Cl-Cu., W.	...	Fr-St., W.	...	...	St-Cu., W.
16	...	.....	Nb., N.N.E.	...	.....	Nb., N.	...	...	St., N.N.W.	...	...	St., N.W.	...	...	St., N.W.
17	...	.....	St., S.	...	.....	St., S.	...	A-St., S.E.	...	...	A-St., S.E.	...	...	...	St., E.S.E.
18	...	.....	St., W.N.W.	...	.....	St., W.N.W.	...	...	St.	...	...	St.	...	...	...
19	...	.....	Nb., N.	...	.....	St., S.	...	...	St., W.	...	...	St.	...	...	Nb., N.N.W.
20	...	A-St., W.	St., W.N.W.	...	A-Cu., W.	Fr-St., W.	...	...	Nb., W.N.W.	...	...	Fr-St., W.	...	...	St., W.
21	...	A-Cu., S.W.	...	A-Cu., S.S.W.	...	...	A-St., S.W.	...	...	A-St., W.	...	...	...	...	St., W.
22	...	A-Cu., N.	...	...	...	St., N.N.W.	...	...	Nb., N.N.W.	...	...	St., N.N.W.	...	...	St., N.N.W.
23	...	.....	Nb., N.N.W.	...	...	St., N.N.W.	...	A-St., N.W.	Fr-St., N.N.W.	...	...	St., N.W.	...	...	Nb., W.N.W.
24	...	.....	Fr-St., N.W.	...	...	Fr-Cu., W.	...	...	Fr-Cu., W.	...	A-St., S.W.	...	...	...	St., N.W.
25	...	.....	St., N.N.W.	...	...	St., N.N.W.	...	...	St., N.N.W.	...	...	Nb., N.N.W.	...	...	Fr-St., N.W.
26	...	.....	Nb., N.W.	...	...	Nb., N.W.	...	...	Nb., N.W.	...	...	Nb., N.W.	...	...	Nb., W.N.W.
27	...	A-Cu., N.W.	...	A-Cu., N.W.	Fr-St., N.W.	...	...	...	Fr-Cu., N.W.	...	...	Nb., N.W.	...	...	Fr-St., N.W.
28	...	A-Cu., W.	...	...	A-St., N.W.	...	...	A-Cu., N.N.W.	...	...	...	Nb., N.W.	...	A-Cu., N.W.	...
29	...	A-St., W.N.W.	Fr-St., W.	...	...	Fr-St., N.W.	...	...	Nb., W.N.W.	...	...	Nb., W.N.W.	...	...	St-Cu., W.
30	...	.....	Nb., W.	...	...	Cu., S.S.W.	...	...	Cu., S.W.	...	...	Cu., S.W.	...	...	Cu., S.W.

MAY, 1915.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND:

Date	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level
1	.....	.....	Nb., W.N.W.	.....	.....	Fr.-St., W.S.W.	.....	A.-St.	.....	.....	.....	Fr.-St., W.	...	...	Fr.-St., W.
2	.....	A.-Cu.	.....	.....	.....	Nb., E.	.....	.....	.....	Nb., N.E.	...	St., N.N.W.	...	...	Nb., N.N.W.
3	Ci.-Cu., W.	.....	Cu.-Nb., N.W.	.....	.....	.....	.....	A.-Cu., S.W.	Fr.-Nb., W.	...	.....	Fr.-St., W.S.W.	...	...	Fr.-St., W.S.W.
4	.....	.....	St.-Cu.	.....	.....	St.-Cu., S.W.	.....	.....	St.-Cu., S.W.	...	.....	.....	...	...	Fr.-St., N.W.
5	.....	.....	Nb., N.N.W.	.....	.....	Nb., N.N.W.	.....	.....	.....	Nb., N.N.W.	...	Nb., N.N.W.	...	...	.....
6	.....	.....	Fr.-Nb., N.W.	.....	.....	St., N.W.	.....	.....	St., N.W.	...	.....	St., N.W.	...	...	St., N.W.
7	.....	.....	St., N.W.	.....	.....	St., N.W.	.....	.....	St., N.N.W.	...	.....	Nb., N.N.W.	...	...	St., N.W.
8	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	...	.....	Nb., N.N.W.	...	...	St., N.W.
9	.....	.....	Nb., N.	.....	.....	Fr.-St., N.W.	.....	.....	Fr.-St., S.W.	...	.....	St., } W.	...	...	.....
10	.....	.....	Cu., } N.W. St.-Cu., }	Cl.-St., N.W.	.....	Fr.-St., N.W.	Cl.-St., N.	.....	Cu., N.W.	...	.....	Fr.-St., W.	...	...	Nb., W.
11	.....	.....	Nb., N.W.	.....	.....	.....	.....	.....	Nb., N.W.	...	.....	St., W.N.W.	...	...	Fr.-St., W.N.W.
12	.....	A.-Cu., W.N.W.	.....	.....	A.-Cu., W.N.W.	.....	.....	.....	{ Cu., E.	...	A.-St., W.	.....	...	A.-St., N.W.	.....
13	.....	.....	Nb., N.W.	.....	.....	St., N.W.	.....	.....	Fr.-St., S.W.	...	.....	St., N.N.W.	...	...	Fr.-Nb., N.N.W.
14	.....	.....	St., N.W.	.....	.....	Fr.-St., N.W.	Cl.-St., N.W.	.....	Fr.-St., N.W.	...	.....	.....	...	...	.....
15	.....	.....	St., N.N.W.	.....	.....	Nb., N.N.W.	Cl.-St., }	.....	Nb., N.N.W.	...	.....	Nb., N.N.W.	...	...	Nb., N.N.W.
16	.....	.....	Nb., N.N.W.	.....	.....	Nb., N.N.W.	.....	.....	Nb., N.N.W.	...	.....	St., N.	...	...	St., N.
17	.....	.....	St., N.	.....	.....	St., N.	.....	.....	St., N.N.E.	...	.....	Nb., N.E.	...	...	Nb., N.
18	Ci.-Cu., N.	A.-St., E.	.....	Cl.-St., N.	.....	.....	.....	A.-Cu.	.....	...	A.-St..	.....	...	...	.....
19	.....	.....	Nb., S.	.....	.....	St., S.S.E.	.....	.....	St., S.S.E.	...	.....	St., S.S.E.	...	...	St., S.S.E.
20	.....	.....	St.	.....	.....	St., N.E.	.....	.....	St., N.	...	.....	St., N.	...	...	St.
21	.....	.....	St.	.....	.....	St., S.	.....	.....	St., S.S.E.	...	.....	St.	...	...	St., N.N.E.
22	.....	.....	St., N.W.	.....	.....	Nb.	.....	.....	Nb., W.	...	.....	St., S.W.	...	...	St., W.
23	.....	.....	St.-Cu., W.	.....	.....	Fr.-St., W.	Cl.-St., E.	.....	Fr.-St., W.	...	.....	Fr.-St., W.N.W.	...	...	.....
24	.....	A.-St.	.....	.....	A.-St.	.....	Cl.-St., N.W.	A.-St.	.....	.....	.....	Nb., N.W.	...	...	Nb., N.W.
25	Cl.-St., N.W.	.....	.....	Cl.-St., N.N.W.	.....	.....	.....	.....	.....	.....	St.	...	...	St., S.E.	.....
26	.....	.....	Nb., S.E.	.....	.....	St.	.....	.....	St.	...	.....	St., N.	...	...	St., N.W.
27	.....	A.-St., N.N.W.	.....	.....	St.	.....	.....	.....	Nb..	...	.....	St., W.N.W.	...	...	St., W.
28	.....	A.-Cu., W.	.....	.....	.....	.....	.....	St., S.W.	...	.....	St., S.W.	...	...	St., S.	.....
29	.....	A.-St.	Cu., S.	.....	.....	.....	.....	A.-St.	.....	...	A.-Cu., N.E.	.....	...	Cu.	.....
30	.....	A.-Cu., N.W.	.....	.....	A.-St.	Nb., N.N.W.	.....	A.-St.	Fr.-Nb., N.N.W.	...	A.-St.	Fr.-Nb., N.N.W.	...	...	Nb., N.
31	.....	.....	Nb., N.W.	.....	.....	St., N.W..	.....	A.-St., W.N.W.	.....	...	.....	Fr.-St., N.W.	...	...	Fr.-St., N.W.

## MACQUARIE ISLAND.

Table IX.-CLOUD TYPES AND DIRECTIONS--continued.

JUNE, 1915.

Date	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level
1	.....	.....	Fr.-Nb., W.N.W.	.....	.....	.....	...	.....	St., W.N.W.	...	.....	St., N.W.	...	...	St., N.W.
2	.....	.....	St., N.W.	.....	A.-Cu., N.W.	.....	...	A.-St.	Cu., W.N.W.	...	.....	St., N.W.	...	...	St., N.W.
3	.....	.....	Nb., N.W.	.....	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.W.	...	...	St., W.N.W.
4	.....	.....	St., N.W.	.....	.....	St., N.W.	...	.....	St., W.N.W.	...	.....	Nb., W.N.W.	...	...	Nb., N.W.
5	.....	.....	St., W.N.W.	.....	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.N.W.	...	...	St., N.N.W.
6	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	Nb., N.N.W.	...	...	Nb., N.N.W.
7	.....	.....	St., N.N.W.	.....	.....	St., N.N.W.	...	A.-St., N.W.	.....	...	.....	Fr.-St., N.W.	...	...	.....
8	.....	.....	St., N.N.W.	.....	.....	Nb.	...	.....	Nb., S.	...	.....	St.-Cu., W.S.W.	...	...	Nb., W.N.W.
9	.....	A.-St., W.	.....	.....	A.-Cu., W.	.....	...	A.-Cu., W.N.W.	.....	...	A.-St., N.W.	.....	...	St., N.N.W.	
10	.....	.....	Fr.-St., W.	.....	.....	Fr.-St., S.W.	...	A.-Cu., S.S.W.	Fr.-St., S.W.	...	.....	Fr.-St., W.S.W.	...	...	St., W.N.W.
11	.....	.....	Fr.-Nb., W.N.W.	.....	.....	Fr.-Nb., W.N.W.	...	.....	Fr.-Nb., W.	...	.....	Fr.-St., W.	...	...	Nb., W.
12	.....	.....	St.-Cu., S.	.....	A.-Cu., W.S.W.	.....	...	.....	St.-Cu., S.W.	...	.....	Nb., S.	...	...	St., S.
13	.....	.....	Nb., S.W.	.....	.....	Nb., S.W.	...	.....	St.-Cu., S.W.	...	.....	Fr.-St., W.S.W.	...	...	St., W.N.W.
14	.....	.....	Fr.-Nb., N.N.W.	.....	.....	Fr.-Nb., W.	...	.....	Fr.-St., W.	...	.....	.....	...	...	Fr.-St., W.
15	.....	.....	Nb., W.S.W.	.....	.....	St., S.S.W.	...	.....	Nb., W.S.W.	...	.....	St., W.	...	...	St., W.N.W.
16	.....	.....	Fr.-Nb., N.	.....	.....	Fr.-Nb., N.	...	A.-St., W.N.W.	.....	...	.....	St., N.W.	...	...	.....
17	.....	.....	Nb., S.W.	.....	.....	.....	...	.....	St., S.W.	...	.....	St., W.S.W.	...	...	Nb., S.W.
18	.....	.....	St.-Cu., S.	.....	.....	St.-Cu., S.S.W.	...	.....	Nb., S.	...	.....	Nb., S.S.W.	...	...	Fr.-St., S.W.
19	.....	.....	St.-Cu., S.	.....	.....	.....	...	.....	St.	...	.....	St., S.	...	...	St., S.
20	.....	.....	St., S.	.....	.....	St., S.	...	A.-St.	.....	...	.....	Fr.-St., S.	...	...	.....
21	.....	A.-Cu.	Fr.-St., S.E.	.....	.....	St., E.S.E.	...	.....	St., E.	...	.....	Nb., E.	...	...	St., E.
22	.....	.....	St.-Nb., S.E.	.....	.....	St., E.S.E.	...	.....	St., E.S.E.	...	.....	St., E.	...	...	St., E.
23	.....	A.-St., E.N.E.	.....	.....	.....	St., E.	...	.....	St., E.	...	.....	St., E.	...	...	St., E.
24	.....	.....	Nb., E.N.E.	.....	.....	St., E.N.E.	...	.....	St., N.E.	...	.....	St., N.E.	...	...	Nb., W.N.W.
25	.....	.....	St., N.E.	.....	.....	St., N.E.	...	.....	St., N.E.	...	.....	St.	...	...	St.
26	.....	.....	St., N.	Cr-St., N.W.	.....	.....	...	A.-St.	.....	...	A.-St.	.....	...	St.	
27	.....	.....	St., N.W.	.....	.....	St., N.W.	...	A.-St.	.....	...	.....	St., N.N.W.	...	...	St., N.W.
28	.....	.....	St.	.....	.....	St., N.E.	...	.....	Nb., N.E.	...	.....	Nb., N.	...	...	.....
29	.....	A.-St., N.W.	.....	.....	.....	Nb., N.N.W.	...	.....	St., N.	...	.....	St.	...	...	St.
30	Cl.-St., N.W.	.....	.....	Cl.-Cu., N.W.	.....	St.	...	A.-St.	.....	...	.....	St.	...	...	St.

JULY, 1915.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

MACQUARIE ISLAND.

Date.	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1		A-St., W.N.W.	St., W.N.W.			Nb., N.N.W.			St., N.W.			St., N.N.W.			St., N.N.W.
2			St., N.W.						St., N.N.W.			St., S.			St., N.N.W.
3			St.-Cu., W.			St.-Cu., W.			St.-Cu., W.N.W.			St., N.W.			Nb., N.N.W.
4			St., N.W.			St., N.W.			St., N.W.			St., N.N.W.			St., N.W.
5			St., N.N.W.			St., N.N.W.			St., N.N.W.			Nb.			Nb., W.N.W.
6			Fr.-St., W.	Cl.-Cu., N.N.W.		Fr.-Cu., W.			Fr.-Cu., W.			St., S.			St., W.
7			St.-Cu., W.			St.-Cu., N.W.			St.-Cu., N.N.W.			St., S.			St., N.W.
8		A-Cu., E.			A-St.			Cl.-St.			St., S.E.			Nb., S.E.	
9			Nb., S.						St., W.			St., N.W.			St., N.W.
10			St., N.N.W.						St., N.N.W.			Fr.-St., W.N.W.			St., N.N.W.
11			Fr.-Cu., W.N.W.		A-St.				Fr.-Nb., N.N.W.			St., W.N.W.			St., N.W.
12		A-Cu., N.W.	Fr.-St., N.W.			Fr.-St., N.W.			Fr.-St., W.			Fr.-St., W.			St., W.N.W.
13			St., S.		A-Cu., W.S.W.			A-Cu., W.			St., N.W.			St., S.	
14			St., W.S.W.			St.-Cu., W.			St., W.N.W.			Nb., N.W.			Nb., W.N.W.
15			St., W.N.W.			Fr.-St., W.			Fr.-St., W.			St., W.N.W.			
16			Nb., N.W.			St., W.N.W.			St., W.N.W.			St., W.N.W.			St., W.N.W.
17			Nb., N.W.			St.		A-St., W.N.W.			Fr.-St., N.W.			Fr.-Nb., N.W.	
18			St.-Cu., W.	Cl.-Cu., N.				A-St., N.W.			Nb., N.W.			Nb., N.W.	
19			St., N.W.			St., N.W.			St., N.W.			St., N.W.			St., N.W.
20			St., N.E.			St., E.N.E.			Nb., N.			Nb., N.			Nb., N.
21	Cl., E.		St., S.S.W.						Nb., W.N.W.			St.			St.
22			St.-Cu., W.N.W.		A-St., N.			A-St., N.			Nb., N.W.			Fr.-St., W.S.W.	
23	Cl.-Cu., W.S.W.					St., N.W.			St., N.W.			St., N.W.			Nb., N.W.
24			Nb., S.W.			Fr.-St., W.S.W.			Fr.-St., W.S.W.			Fr.-St., N.W.			Fr.-St., N.N.W.
25			St., N.W.			St., N.W.			St., N.W.			St., N.W.			St., N.W.
26			St., N.W.		A-St., N.N.W.										St., N.W.
27			St., N.N.W.			St., N.N.W.			St., N.N.W.			St., N.N.W.			St., N.N.W.
28	Cl.-Cu., W.N.W.		St., E.						Fr.-St., N.W.			St., W.N.W.			Fr.-St., W.
29			St., N.N.W.	Cl.-Cu., N.W.					St., S. and W.			St., N.			Nb., N.N.W.
30		A-St., W.	St.-Cu., W.						Fr.-St., W.N.W.			Fr.-St., W.			St., W.
31			Nb., W.			St.-Cu., S.W.			Nb., S.W.			Nb., S.W.			St., W.N.W.

Table IX.—CLOUD TYPES AND DIRECTIONS—*continued.*

MACQUARIE ISLAND.

AUG., 1915.

## METEOROLOGY—MACQUARIE ISLAND STATION.

Date	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level	Upper Level	Middle Level	Lower Level
1			Fr.-St., W.S.W.							Fr.-St., W.S.W.			St., W.S.W.		
2			Nb., W.							Nb., W.N.W.			St., W.N.W.		
3			St., W.			St., W.				Nb., W.			St., S.		
4			St., E.S.E.			St., E.S.E.				Fr.-St., E.N.E.			St., E.N.E.		
5			St.			St.				Nb., N.			Nb., N.W.		
6			St., W.N.W.			St., W.N.W.				Fr.-St., W.S.W.			St., W.		
7		A-St., S.E.			A-St.			A-St.			A-St.		A-St.		
8		A-St.			A-St.					Nb., E.N.E.			Nb., E.S.E.		
9			Nb., S.E.			St.	Cl-St., W.N.W.		St.			St.			
10			Nb., N.			Nb., N.				Nb., N.N.W.			Nb., N.N.W.		
11			Nb.			St.				St., N.N.W.			St., N.N.W.		
12			Nb., N.N.E.			Nb., N.				Nb., N.			Nb., N.N.W.		
13			St., W.		A-St.					St., W.N.W.			A-St.		
14			St., N.W.			St., W.N.W.				St., W.N.W.			St.		
15			St., S.E.			St., E.				St., E.S.E.			Nb., E.N.E.		
16			St., N.			St., N.				St., N.			St., N.		
17	Cl-St., N.					St., S.W.	Cl-Cu., S.W.			St., W.N.W.			St.		
18			St., N.W.			St., N.W.				St., N.W.			St., N.W.		
19			St., N.W.							Fr.-Nb., N.W.			Fr.-Nb., N.W.		
20			Fr.-St., S.W.			St.				St.-Cu., W.			A-St.		
21			Fr.-Nb., N.N.W.			Fr.-Nb., N.N.W.				Fr.-Nb., N.N.W.			Fr.-St., W.N.W.		
22			St., N.W.			Fr.-Nb., N.W.				Fr.-St., W.S.W.			Fr.-St., W.		
23			Nb., W.			Nb., S.				Nb., S.S.E.			Nb., W.N.W.		
24			Nb., N.W.			Nb., W.				Fr.-St., W.			Fr.-St., W.S.W.		
25			St., N.W.			St., W.N.W.				St., W.N.W.			St., N.W.		
26			Fr.-Nb., N.N.W.			St., N.N.W.				St., N.N.W.			St., N.W.		
27		A-St., N.W.	St., N.W.			Nb., N.W.				Nb., N.W.			Nb., N.N.W.		
28			Nb., S.			Nb., S.				Nb.			Nb.		
29			Nb., S.			Nb., S.S.W.				Nb., S.W.			Nb., W.		
30			St., S.W.			St., S.W.				St., S.W.			St., W.		
31		A-Cu., S.W.			A-Cu., S.W.				A-Cu., S.W.			St., W.S.W.			

## MACQUARIE ISLAND.

SEPT., 1915.

Table IX.-CLOUD TYPES AND DIRECTIONS—continued.

Date.	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	Nb., W.	.....	.....	St., W.N.W.	.....	.....	Nb., W.N.W.	...	A-St.	St., W.N.W.	...	.....	St., W.N.W.
2	.....	.....	Nb., N.W.	.....	...	Fr.-Nb.,	.....	.....	Fr.-Nb., N.N.W.	...	...	Nb., N.N.W.	...	.....	Nb., N.N.W.
3	.....	.....	St., N.N.W.	.....	...	St., N.N.W.	.....	.....	St., N.W.	...	...	St., N.W.	...	.....	St., N.W.
4	.....	.....	Fr.-Nb., N.N.W.	Cl-Cu., N.W.	...	St., N.W.	.....	.....	Nb., N.N.W.	...	...	Nb., W.	...	.....	Nb., W.
5	.....	A-Cu., N.W.	.....	.....	A-Cu.,	.....	.....	.....	St.-Cu., W.N.W.	...	...	Fr.-St., N.W.	...	.....	St., S.
6	.....	A-St., N.W.	.....	.....	...	.....	.....	.....	Fr.-St., N.W.	...	...	St., W.	...	.....	.....
7	.....	.....	St., N.	.....	...	St., N.	.....	.....	Fr.-Nb., N.N.W.	...	...	Fr.-Nb., N.N.W.	...	.....	St., N.W.
8	Cl-St., W.	.....	Fr.-St., W.N.W.	Cl-Cu., W.	...	.....	.....	.....	St., N.W.	...	...	St., W.	...	.....	St.
9	.....	.....	St., W.N.W.	.....	...	St., N.N.W.	.....	.....	St., N.	...	...	St., N.	...	.....	St., N.
10	.....	.....	Nb., N.E.	.....	...	Nb.	.....	.....	Nb., E.S.E.	...	...	Nb., E.S.E.	...	.....	St., E.S.E.
11	.....	.....	St., E.	.....	...	St.	.....	.....	St., E.	...	...	St.	...	.....	St., N.W.
12	.....	.....	St., N.N.W.	Cl-St., N.E.	...	.....	.....	.....	St., S.E.	...	...	St., W.	...	.....	St.
13	.....	.....	St., S.S.E.	.....	...	St., S.S.E.	.....	.....	St., S.S.E.	...	...	St., S.E.	...	.....	St., E.S.E.
14	.....	.....	St., E.S.E.	.....	...	St., E.S.E.	Cl., N.E.	.....	St., E.	...	...	St., E.	...	.....	Fr.-Nb., E.
15	.....	.....	Nb., E.N.E.	.....	.....	.....	.....	.....	St., N.E.	...	...	St., S.	...	.....	St.
16	.....	.....	Nb., S.S.E.	.....	...	Nb., S.E.	.....	.....	Nb., N.N.W.	...	...	St., N.W.	...	.....	St., N.W.
17	.....	A-St., N.W.	.....	Cl-St., N.	...	.....	Cl-St.	.....	St., S.	...	...	St., S.S.E.	...	.....	Nb., S.S.E..
18	.....	.....	St.	.....	...	St.	.....	.....	St., W.N.W.	...	...	St.	...	A-St., W.N.W.	.....
19	.....	.....	Fr.-St., W.	.....	...	.....	.....	.....	Fr.-St., S.W.	...	...	Fr.-St., S.W.	...	.....	Fr.-St., S.W.
20	.....	.....	St., N.W.	.....	...	St., N.W.	.....	A-St., N.N.W.	.....	...	A-St.	.....	.....	St., N.	
21	.....	.....	Fr.-Nb., N.	.....	...	Fr.-Nb., N.N.W.	.....	.....	St., W.N.W.	...	...	St., W.N.W.	...	.....	St., N.
22	.....	.....	Fr.-Nb., N.N.W.	.....	...	Fr.-Nb., N.N.W.	.....	.....	Fr.-Nb., N.W.	...	...	St., W.N.W.	...	.....	St., W.N.W.
23	.....	.....	St., N.W.	.....	...	St., W.N.W.	Cl-St., N.W.	.....	.....	.....	...	St., N.N.W.	...	.....	St., N.W.
24	.....	.....	St., N.N.W.	.....	...	St., N.N.W.	.....	.....	St., N.N.W.	...	...	St., N.N.W.	...	.....	St., N.N.W.
25	.....	.....	St., N.N.W.	Cl-St., N.W.	...	.....	.....	.....	Fr.-Nb., N.N.W.	...	...	Fr.-Nb., N.W.	...	.....	St., N.W.
26	.....	.....	St., N.N.W.	.....	...	St., N.N.W.	.....	.....	St., -Nb., N.N.W.	...	...	Nb., N.W.	...	.....	Nb., N.W.
27	.....	A-St., N.W.	St., N.W.	.....	...	St., N.W.	.....	.....	St., N.N.W.	...	...	St., N.W.	...	.....	St., N.W.
28	.....	.....	Nb., S.E.	.....	...	Nb., N.B.	.....	.....	Nb., E.	...	...	St., N.E.	...	.....	St., N.E.
29	.....	.....	St., N.W.	.....	...	.....	A-St., N.W.	Fr.-St., W.	.....	...	...	Cu., W.N.W.	...	.....	Cu., W.N.W.
30	.....	.....	St.-Cu., W.	.....	...	Fr.-St., N.W.	.....	.....	.....	A-St.	.....	.....	Nb., N.E.	.....	.....

## MACQUARIE ISLAND.

Table IX.—CLOUD TYPES AND DIRECTIONS—continued.

OCT., 1915.

Date	9 a.m.			Noon.			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	.....	.....	Nb., N.N.W.	...	.....	Nb., N.N.W.	...	.....	Nb., N.N.W.	.....	.....	Nb., N.N.W.	...	.....	Nb., N.N.W.
2	.....	.....	St., N.W.	...	.....	St.	...	.....	St., N.W.	.....	.....	St., N.W.	...	.....	St.
3	.....	.....	St., S.S.E.	...	.....	Nb., S.	...	.....	St., S.E.	.....	.....	St., S.E.	...	.....	St., E.S.E.
4	.....	.....	Fr.-Nb., S.E.	...	.....	Fr.-Nb., S.E.	...	.....	Fr.-Nb., S.E.	.....	.....	Fr.-Nb., S.E.	...	.....	Fr.-Nb., S.E.
5	.....	A.-St., S.S.W.	Fr.-St., S.W.	...	.....	Fr.-St., S.W.	...	.....	Fr.-St., W.	.....	.....	Fr.-St., W.	...	.....	St., W.N.W.
6	.....	A.-St.	.....	...	.....	St., W.N.W.	...	.....	St., W.N.W.	.....	.....	St., W.N.W.	...	.....	St., W.N.W.
7	.....	.....	St., N.W.	...	.....	St., W.N.W.	...	.....	St., W.N.W.	.....	.....	St., W.N.W.	...	.....	Nb., W.N.W.
8	.....	.....	St.	...	.....	Fr.-St., S.W.	...	.....	Fr.-St., S.W.	.....	.....	Fr.-St., W.S.W.	...	.....	St.
9	.....	A.-St.	.....	...	A.-St., N.W.	.....	...	A.-St., N.W.	.....	.....	.....	Nb., N.W.	...	.....	Nb., N.N.W.
10	.....	.....	Fr.-Nb., W.N.W.	...	.....	St.	...	.....	St.	.....	.....	Nb., W.S.W.	...	.....	St.
11	.....	.....	Fr.-Nb., E.S.E.	...	.....	Fr.-Nb., E.S.E.	...	.....	Nb., E.	.....	.....	Nb., S.E.	...	.....	Nb., W.N.W.
12	.....	.....	St., N.W.	...	.....	Nb., N.W.	...	.....	Nb., W.N.W.	.....	A.-St., N.W.	St., W.N.W.	...	.....	St., N.B., W.N.W.
13	.....	A.-Cu., W.S.W.	.....	...	A.-Cu., W.	.....	...	A.-St., W.N.W.	.....	.....	A.-St., W.N.W.	.....	.....	St., W.N.W.	.....
14	.....	.....	Nb.	...	.....	St., E.S.E.	...	.....	St., S.E.	.....	.....	St., S.W.	...	.....	Nb., N.N.W.
15	.....	.....	St., N.N.W.	...	.....	St., N.N.W.	...	.....	Fr.-Nb., N.N.W.	.....	.....	Fr.-Nb., N.N.W.	...	.....	St., W.N.W.
16	Cl., N.W.	.....	St., N.W.	...	.....	.....	...	A.-St., N.W.	Fr.-St., W.	.....	.....	St., W.N.W.	...	.....	St., W.N.W.
17	.....	.....	St.	...	.....	.....	...	.....	St.	.....	A.-St., N.W.	St., S.	...	.....	St.
18	.....	.....	St.-Cu., S.S.W.	...	.....	St.-Cu., S.S.W.	...	.....	St., S.S.W.	.....	.....	St.-Cu., S.S.W.	...	.....	St., S.W.
19	.....	.....	St.-Cu., S.W.	...	.....	Cu., S.W.	...	.....	St., S.W.	.....	.....	St., S.W.	...	.....	St., W.S.W.
20	.....	.....	St., N.W.	...	.....	.....	...	.....	Nb., W.N.W.	.....	A.-St., W.	Fr.-St., W.S.W.	...	.....	Fr.-St., W.S.W.
21	.....	.....	St., W.S.W.	...	.....	.....	...	.....	St., W.	.....	.....	St., W.N.W.	...	.....	St., W.N.W.
22	.....	.....	St., S.S.E.	...	.....	Fr.-St., S.W.	...	A.-St., W.N.W.	.....	.....	A.-St., W.N.W.	.....	...	A.-St., N.W.	.....
23	.....	.....	Nb., N.W.	...	.....	Nb., W.N.W.	...	.....	Nb., W.N.W.	.....	.....	Nb., W.N.W.	...	.....	Nb., W.N.W.
24	.....	.....	St., W.	...	A.-St., W.	St., W.	...	A.-Cu., W.	.....	.....	A.-Cu., W.S.W.	.....	...	Cu., W.S.W.	.....
25	.....	A.-St., W.	.....	...	.....	.....	...	A.-St., W.	Fr.-St., W.	.....	.....	Fr.-St., W.	...	.....	St., N.W.
26	.....	.....	Fr.-St., S.W.	...	.....	Fr.-St., S.W.	...	A.-St., S.W.	.....	.....	A.-St., W.	.....	...	A.-St.,	.....
27	.....	.....	St., W.N.W.	...	.....	St., W.N.W.	...	.....	St., N.W.	.....	.....	St., N.W.	...	.....	St., N.W.
28	.....	.....	St., N.W.	...	.....	St., N.W.	...	.....	St., N.N.W.	Cl.-St., N.W.	.....	St., N.N.W.	...	.....	St., N.
29	.....	.....	.....	...	.....	.....	...	.....	St., N.N.W.	Cl.-Cu., N.W.	.....	St.	...	.....	St., W.N.W.
30	.....	.....	St., S.S.E.	...	.....	St., S.S.E.	...	.....	St., S.S.E.	.....	.....	St., S.S.E.	...	.....	St., S.S.E.
31	.....	.....	St., S.S.E.	...	.....	St., S.S.E.	...	.....	St., S.S.E.	.....	.....	St., S.S.E.	...	.....	St., S.S.E.

## MACQUARIE ISLAND.

Table IX.-CLOUD TYPES AND DIRECTIONS—continued.

NOV., 1915.

Date.	9 a.m.			Noon:			3 p.m.			6 p.m.			9 p.m.		
	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.	Upper Level.	Middle Level.	Lower Level.
1	...	.....	St., N.W.	....	A-St.	.....	...	A-St.	.....	...	A-St., N.N.W.	St., N.W.	...	A-St.	St., S.
2	...	.....	Nb., N.W.	....	.....	....	...	.....	St., N.W.	....	.....	St., N.N.W.	...	.....	St., N.N.W.
3	...	A-St., N.	Fr-St., N.W.	....	A-St., N.	....	...	.....	St., N.W.	....	.....	St., N.E.	...	.....	.....
4	...	.....	.....	....	.....	....	Cl., N.W.	.....	.....	...	A-St.	.....	...	.....	St., N.E.
5	...	.....	Fr-Nb., N.E.	....	.....	Fr-Nb., N.E.	....	.....	Nb.	....	.....	Fr-Nb.	...	.....	Fr-Nb., W.N.W.
6	...	.....	St., S.	....	.....	Fr-St., N.W.	....	A-St.	.....	....	.....	St.-Nb., S.W.	...	.....	St.
7	...	.....	St., W.	....	.....	Fr-St., N.W.	....	.....	St., N.W.	....	.....	Fr-St., N.W.	...	.....	St.
8	...	.....	Fr-St., S.	....	.....	Fr-St., W.	....	.....	.....	....	.....	Fr-St., N.W.	...	.....	Fr-St., S.W.
9	...	.....	St., W.	....	.....	St., W.N.W.	....	.....	St.-Cu., W.N.W.	....	.....	Nb., W.N.W.	...	.....	Nb., N.N.W.
10	...	.....	St., W.N.W.	....	.....	St.	....	.....	Nb., W.N.W.	....	.....	Fr-St., S.W.	...	.....	St., W.
11	...	.....	St., N.E.	....	.....	St., N.E.	....	.....	St., S.	....	.....	St., N.E.	...	.....	St., N.E.
12	...	.....	St., W.	....	.....	St., W.	....	A-St., W.N.W.	.....	....	....	Nb., N.E.	...	.....	Nb., N.E.
13	...	.....	St., N.N.W.	....	.....	St., N.N.W.	....	.....	Nb., N.N.W.	....	.....	Nb., N.N.W.	...	.....	Nb., N.W.
14	...	.....	St., N.N.W.	....	.....	Fr-St., N.W.	....	.....	St., N.W.	....	.....	St., W.N.W.	...	A-St., W.S.W.	.....
15	...	A-St., S.W.	.....	....	.....	Nb., W.	....	.....	Nb., W.S.W.	....	.....	Nb., S.S.E.	...	.....	Nb., S.S.E.
16	...	A-St., W.S.W.	Fr-St., S.W.	....	.....	Fr-St., S.W.	....	A-St., W.S.W.	.....	....	A-St., W.	St., W.N.W.	...	.....	St., N.W.
17	...	.....	St., N.N.W.	....	.....	Nb., N.W.	....	.....	St.-Nb., W.N.W.	....	.....	St., W.N.W.	...	.....	St., S.
18	...	.....	Fr-Nb., S.S.E.	....	.....	.....	....	.....	Fr-Nb., S.W.	Cl-Cu., N.W.	.....	Fr-St., S.W.	...	.....	Fr-St., W.S.W.
19	Cl., W.	A-St., W.	.....	Cl-Cu., W.	....	.....	....	.....	Fr-St., W.S.W.	....	.....	Fr-St., W.	...	.....	St., S.
20	...	.....	Fr-Nb., N.N.W.	....	.....	St., W.N.W.	....	.....	St., W.N.W.	....	.....	St., W.N.W.	...	.....	St., W.N.W.
21	...	.....	St., N.N.W.	....	.....	St.	Cl., N.W.	.....	Fr-St., N.W.	....	.....	Fr-St., W.	...	A-St., W.S.W.	.....
22	...	.....	St., N.	....	.....	St., N.W.	....	A-Cu., N.W.	St., N.	Cl-St., N.W.	....	St., N.N.E.	...	.....	St., N.N.E.
23	...	.....	Nb., N.N.W.	....	.....	Nb., N.W.	....	.....	Nb., W.	....	.....	Nb., S.W.	...	.....	St., S.W.
24	...	A-St., W.S.W.	.....	....	A-Cu., W.	....	....	A-Cu., W.	....	....	A-St., W.	....	A-St.	St., W.	
25	...	A-St., S.W.	.....	....	A-St., E.S.E.	....	....	A-St., E.S.E.	....	....	A-St., E.S.E.	....	A-St.	.....	
26	...	.....	Nb., S.S.E.	....	.....	Nb., S.	....	.....	Nb., W.S.W.	....	....	Nb., W.	...	.....	St., W.
27	...	A-St.	.....	Cl-St.	....	Fr-St., N.E.	....	A-Cu., N.	....	....	St., N.E.	...	.....	Nb., N.E.	
28	...	.....	.....	....	....	Fr-St., N.W.	....	....	....	....	St., S.W.	...	A-St.	.....	
29	...	.....	Nb., S.E.	....	....	St., N.N.W.	....	....	St., N.N.W.	Cl., N.	....	St., N.N.W.	...	.....	St., N.N.W.
30	...	.....	.....	....	....	....	....	....	....	....	....	....	...	.....	.....

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TABLE X.

ADDITIONAL OBSERVATIONS.

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Table X.—ADDITIONAL OBSERVATIONS.  
MACQUARIE ISLAND.

JANUARY, 1912.

Date.	Temperature (Fahrenheit).								Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.		9 a.m.	3 p.m.			9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.									
1	...	...	...	...	43.0	43.8	M.R.	...	10	9	10				
2	...	...	...	...	45.0	45.9	R.	...	7	10	10				
3	...	...	...	...	44.7	45.3	R., Sl.	...	10	10	10				
4	...	...	...	...	45.4	46.3	R.	...	10	2	10				
5	...	...	...	...	46.0	46.3	...	1.1	8	9	10				
6	...	...	...	...	44.7	46.1	R.	.0	7	10	8				
7	...	...	...	...	44.3	45.0	R.	.0	10	10	10				
8	...	...	...	...	41.7	43.2	R.	.0	10	10	10				
9	...	...	...	...	45.2	46.1	R.	4.1	10	9	10				
10	...	...	...	...	46.0	45.2	M.R.	.0	10	10	10				
11	...	...	...	...	42.6	44.3	...	.0	10	10	8				
12	...	...	...	...	44.2	46.3	R.	6.9	4	8	10				
13	...	...	...	...	42.9	44.1	R., H.	7.1	8	7	10				
14	...	...	...	...	45.0	46.0	R.	3.0	7	6	10				
15	...	...	...	...	43.3	44.7	R., H.	4.3	10	6	8				
16	...	...	...	...	43.8	45.0	R.	1.5	10	10	8				
17	...	...	...	...	44.4	45.1	R., H.	1.1	8	10	10				
18	...	...	...	...	45.0	45.7	R., H.	3.9	8	10	8				
19	...	...	...	...	44.0	42.9	R. Sl.	.0	10	10	10				
20	...	...	...	...	42.4	42.6	S., H.	3.0	8	9	10				
21	...	...	...	...	43.5	45.0	R.	0.9	9	10	10				
22	...	...	...	...	45.6	46.2	R.	5.3	4	10	8				
23	...	...	...	...	44.7	46.1	R.	0.2	10	8	10				
24	...	...	...	...	44.3	46.2	...	9.4	7	3	5				
25	...	...	...	...	42.7	45.2	...	8.7	5	3	10				
26	...	...	...	...	43.7	44.2	R.	6.8	9	8	10				
27	...	...	...	...	44.0	46.0	...	3.7	10	5	7				
28	...	...	...	...	43.9	45.7	M.R.	1.3	7	8	10				
29	...	...	...	...	45.0	45.8	R.	1.2	6	10	10				
30	...	...	...	...	45.1	46.0	R.	4.7	9	5	9				
31	...	...	...	...	44.8	46.0	R.	0.2	10	10	10				
Means...	...	...	...	...	44.2	45.2	...	2.5	8.4	8.2	9.3				
Extremes {	...	...	...	...	46.0	46.3	...	9.4	...	...	...				
	...	...	...	...	41.7	42.6	...	0.0	...	...	...				

NOTE.—Records relating to some of the above observations were not commenced until a later date. Radiation data, entered as Terrestrial Minimum, was by thermometer laid on the grass. The Earth Temperature recorded is that at a depth of two feet. In the case of precipitation, quantitative measurements were not begun until 1914. During 1912 and 1913 entries were merely as R. (rain), S. (snow), Sl. (sleet), H. (hail), S.H. (soft hail), and M.R. (misty rain).

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND. FEBRUARY, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	...	...	...	...	42.3	44.1	M.R.	0	10	10	10		
2	...	...	...	...	41.9	42.6	...	1.4	8	7	10		
3	...	...	...	...	42.2	43.0	...	0.9	7	9	6		
4	...	...	...	...	43.0	42.6	M.R.	0	10	10	10		
5	...	...	...	...	42.7	44.8	R.	0.1	10	10	10		
6	...	...	...	...	42.4	42.0	R., H.	4.7	9	9	5		
7	...	...	...	...	40.2	42.0	H.	7.0	5	7	10		
8	...	...	...	...	40.4	41.0	R., H.	3.3	8	9	10		
9	...	...	...	...	40.1	41.0	R.	1.4	10	9	10		
10	...	...	...	...	41.8	43.0	M.R.	0	10	10	10		
11	...	...	...	...	42.0	43.3	M.R.	0	10	9	10		
12	...	...	...	...	41.5	42.1	M.R.	0.9	10	10	10		
13	...	...	...	...	41.8	43.4	R., H.	3.2	8	8	10		
14	...	...	...	...	40.0	40.5	R.	2.9	9	9	4		
15	...	...	...	...	42.0	43.1	M.R.	0	10	10	10		
16	...	...	...	...	43.0	43.4	M.R.	0	10	10	10		
17	...	...	...	...	42.0	42.3	R.	0.7	10	10	10		
18	...	...	...	...	40.1	40.0	R.	0.1	10	10	10		
19	...	...	...	...	41.7	43.2	R.	3.2	3	8	10		
20	...	...	...	...	43.0	42.7	R.	5.8	4	7	10		
21	...	...	...	...	41.0	41.7	R.	0	10	10	10		
22	...	...	...	...	42.0	41.7	M.R.	0	10	10	10		
23	...	...	...	...	40.4	41.3	H.	5.9	10	7	10		
24	...	...	...	...	42.4	43.1	R.	0	10	10	10		
25	...	...	...	...	43.2	43.6	R.	0	10	10	10		
26	...	...	...	...	42.2	41.6	R.	0.3	9	9	10		
27	...	...	...	...	42.8	44.1	...	0	10	10	10		
28	...	...	...	...	43.8	44.0	R.	0	10	10	2		
29	...	...	...	...	42.9	43.3	...	3.7	6	7	2		
Means...	...	...	...	...	42.0	42.7	...	1.6	8.8	9.1	8.9		
Extremes {	...	...	...	...	43.8	44.8	...	7.0	...	...	...		
	...	...	...	...	40.0	40.0	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

MARCH, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
			9 a.m.	3 p.m.		9 a.m.	3 p.m.				
1	...	...	...	...	40.0	41.3	R.	7.8	5	5	8
2	...	...	...	...	40.5	41.7	...	0.8	10	8	2
3	...	...	...	...	40.6	41.7	R.	1.0	10	10	10
4	...	...	...	...	40.3	41.7	...	1.3	10	10	1
5	...	...	...	...	41.4	41.6	M.R.	0	10	10	10
6	...	...	...	...	39.9	40.4	R., H.	5.6	7	9	10
7	...	...	...	...	41.2	42.1	R.	0.2	10	10	10
8	...	...	...	...	40.1	40.0	R.	0	10	10	10
9	...	...	...	...	39.8	40.0	R., H.	0.1	9	10	10
10	...	...	...	...	41.0	41.8	...	0.2	10	10	10
11	...	...	...	...	42.2	43.4	R.	0	10	10	10
12	...	...	...	...	42.1	41.7	S., H.	4.8	8	8	4
13	...	...	...	...	41.5	43.0	R.	1.9	5	10	3
14	...	...	...	...	42.2	43.0	R.	1.7	10	9	2
15	...	...	...	...	41.7	42.6	R., S.	7.1	10	5	3
16	...	...	...	...	41.8	42.4	R.	0	10	10	1
17	...	...	...	...	41.2	42.4	R., H.	3.0	5	0	5
18	...	...	...	...	42.0	42.5	...	0.1	10	9	10
19	...	...	...	...	40.8	41.3	R.	3.6	10	6	5
20	...	...	...	...	41.0	41.2	R.	0	9	10	10
21	...	...	...	...	40.7	40.0	R., H.	3.4	10	7	6
22	...	...	...	...	39.5	39.8	R., S., H.	2.1	8	10	10
23	...	...	...	...	39.8	40.3	R.	0.8	8	10	10
24	...	...	...	...	40.0	40.6	S., H.	1.6	5	10	8
25	...	...	...	...	39.8	40.0	R.	0	10	10	10
26	...	...	...	...	40.0	41.0	...	0.5	9	10	10
27	...	...	...	...	41.8	43.0	M.R.	0	10	10	7
28	...	...	...	...	42.2	42.6	M.R.	0	10	10	10
29	...	...	...	...	41.9	42.7	M.R.	0	10	10	10
30	...	...	...	...	41.2	43.0	...	1.8	9	5	10
31	...	...	...	...	42.0	42.4	R.	0	10	10	5
Means ...	...	...	...	...	41.0	41.7	...	1.6	8.9	9.0	7.4
Extremes {	...	...	...	...	42.2	43.4	...	7.8	...	...	...
	...	...	...	...	39.5	39.8	...	0.0	...	...	...

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

APRIL, 1912:

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	...	...	...	...	40·4	41·3	...	5·8	3	6	9		
2	...	...	...	...	41·6	42·1	R.	0	9	9	10		
3	...	...	...	...	41·9	43·0	...	0·6	9	10	10		
4	...	...	...	...	39·8	40·4	...	0·2	10	10	10		
5	...	...	...	...	42·2	42·4	...	0	10	10	10		
6	...	...	...	...	42·0	42·4	...	0	10	10	10		
7	...	...	...	...	40·0	39·9	...	0	10	10	10		
8	...	...	...	...	40·2	41·0	R., H.	1·6	7	6	10		
9	...	...	...	...	40·0	40·0	R., H.	0	10	10	10		
10	...	...	...	...	40·2	40·6	...	0	10	10	10		
11	...	...	...	...	40·9	41·4	R.	0	10	9	1		
12	...	...	...	...	40·7	40·6	R., H.	0	10	6	2		
13	...	...	...	...	39·7	40·1	R., S.	1·6	6	9	10		
14	...	...	...	...	40·0	39·8	R.	1·2	7	8	3		
15	...	...	...	...	40·0	40·0	M.R.	0·7	8	10	10		
16	...	...	...	...	40·2	40·4	M.R.	0	10	10	10		
17	...	...	...	...	40·1	40·3	M.R.	0	10	10	10		
18	...	...	...	...	40·8	41·5	...	0	10	10	4		
19	...	...	...	...	41·0	43·1	...	0·8	8	7	10		
20	...	...	...	...	42·1	42·4	R.	0	10	10	10		
21	...	...	...	...	40·3	41·2	S., H.	0·8	5	3	6		
22	...	...	...	...	40·4	42·0	R., S., H.	1·5	8	8	10		
23	...	...	...	...	39·5	40·0	R., S., H.	0·9	8	7	10		
24	...	...	...	...	40·6	41·1	M.R.	0	10	10	6		
25	...	...	...	...	39·4	39·6	S.	0	6	9	10		
26	...	...	...	...	40·0	40·4	M.R.	0	10	10	10		
27	...	...	...	...	39·7	40·0	S.	1·1	7	8	8		
28	...	...	...	...	40·0	40·1	R.	0	10	10	7		
29	...	...	...	...	39·7	40·0	R., S., H.	2·4	7	9	10		
30	...	...	...	...	40·0	39·8	R., S.	1·1	10	10	10		
Means ...	...	...	...	...	40·4	40·9	...	0·7	8·3	8·9	7·8		
Extremes {	...	...	...	...	42·2	43·1	...	5·8	...	...	...		
	...	...	...	...	39·4	39·6	...	6·0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

MAY, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	...	...	...	...	39·5	39·2	...	0	10	10	10		
2	...	...	...	...	40·0	40·2	...	1·0	8	7	10		
3	...	...	...	...	40·6	40·9	...	0	10	7	10		
4	...	...	...	...	39·4	39·7	...	0·1	10	6	1		
5	...	...	...	...	39·0	39·2	...	1·5	9	8	10		
6	...	...	...	...	39·4	39·7	...	0	10	10	10		
7	...	...	...	...	39·0	39·1	...	0	10	10	10		
8	...	...	...	...	38·7	39·0	...	0	10	10	10		
9	...	...	...	...	39·0	38·1	...	0	10	10	2		
10	...	...	...	...	38·9	39·0	...	0	10	10	10		
11	...	...	...	...	39·2	40·4	...	1·5	4	9	10		
12	...	...	...	...	40·0	40·7	...	0·7	10	3	9		
13	...	...	...	...	39·8	40·0	...	0	10	10	3		
14	...	...	...	...	40·0	40·3	...	0	10	8	10		
15	...	...	...	...	40·0	40·0	...	0	10	10	10		
16	...	...	...	...	40·0	40·3	...	0	10	10	5		
17	...	...	...	...	38·7	39·0	...	0	10	10	0		
18	...	...	...	...	39·6	39·8	...	0	10	9	0		
19	...	...	...	...	39·0	39·8	...	0·1	9	3	9		
20	...	...	...	...	39·0	39·2	...	0	9	10	10		
21	...	...	...	...	38·4	38·0	...	0	7	7	4		
22	...	...	...	...	37·9	38·7	...	0	4	9	10		
23	...	...	...	...	38·4	38·9	...	0	10	10	10		
24	...	...	...	...	39·4	39·6	...	0	10	10	10		
25	...	...	...	...	38·0	37·8	...	0	10	10	10		
26	...	...	...	...	38·4	38·7	...	0	10	10	10		
27	...	...	...	...	38·6	38·6	...	0	10	10	10		
28	...	...	...	...	38·0	38·2	...	0	8	10	1		
29	...	...	...	...	38·1	38·6	...	0	9	10	10		
30	...	...	...	...	38·0	38·9	...	0	7	8	10		
31	...	...	...	...	38·5	38·8	...	0	10	10	10		
Means...	...	...	...	...	39·0	39·3	...	0·2	8·2	9·1	7·6		
Extremes	...	...	...	...	40·6	40·9	...	1·5	...	...	...		
	...	...	...	...	37·9	37·8	...	0·0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued...*  
MACQUARIE ISLAND.

JUNE, 1912.

Date	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Température.		Sea Température.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	...	...	...	...	38.0	38.7	...	0	7	5	.9		
2	...	...	...	...	38.6	38.9	R., S.	0	8	10	10		
3	...	...	...	...	37.9	37.9	S., H.	0	10	7	8		
4	...	...	...	...	37.7	38.1	S., H.	0	10	7	10		
5	...	...	...	...	38.8	38.6	S., H.	0	6	7	6		
6	...	...	...	...	38.2	39.0	M.R.	0	8	10	5		
7	...	...	...	...	39.6	39.0	R., H.	0	10	8	5		
8	...	...	...	...	39.7	39.6	M.R.	0	10	10	10		
9	...	37.0	38.5	38.5	40.0	40.0	R.	0	7	10	10		
10	...	38.0	39.0	39.0	40.7	40.6	R., S.	0	10	10	10		
11	...	30.1	39.2	39.3	39.0	38.5	...	0	10	10	4		
12	43.0	21.3	39.0	39.0	37.0	37.0	...	0	9	10	10		
13	42.7	32.6	38.7	39.0	38.7	39.0	M.R.	0	10	10	10		
14	43.5	36.5	39.0	39.0	40.2	40.3	...	0	10	10	10		
15	44.0	37.5	39.3	39.3	40.0	40.0	...	0	10	10	10		
16	79.6	30.5	39.3	39.5	38.5	38.3	R., S.	0	7	9	2		
17	41.3	30.0	39.0	39.0	39.0	39.2	R.	0	10	10	10		
18	51.0	34.5	39.0	39.0	39.0	39.0	S.	0	8	9	4		
19	58.6	29.0	39.8	39.0	37.2	39.0	R., H.	0	9	10	4		
20	47.0	29.4	38.3	38.3	37.2	37.6	R., H.	0	8	10	3		
21	47.6	30.2	38.0	38.0	37.4	36.8	S., H.	0	9	9	8		
22	50.3	26.3	37.5	37.4	36.3	38.0	...	0	10	10	10		
23	50.4	32.2	37.5	37.7	40.2	41.0	M.R.	0	10	10	8		
24	43.0	33.4	38.0	38.2	39.0	39.3	R., H.	0	10	10	9		
25	41.5	32.2	38.0	38.1	38.3	38.5	R., H.	0	9	10	10		
26	68.0	34.8	38.0	38.2	40.0	40.0	M.R.	0	10	9	10		
27	59.0	32.0	38.3	38.4	39.3	38.2	R., H.	0	9	5	10		
28	47.3	30.0	38.1	38.0	39.0	39.5	S., H.	0	8	10	10		
29	72.0	27.0	37.8	37.5	37.0	38.3	...	0	10	10	10		
30	45.5	36.4	37.5	37.7	39.8	40.0	M.R.	0	10	10	10		
Méans:	51.8	31.9	38.5	38.5	39.0	38.9	...	0.0	9.1	9.2	8.2		
Extremes	{ 79.5	38.0	39.8	39.5	40.7	41.0	...	0.0	...	...	...		
	{ ...	21.3	37.5	37.4	36.3	36.8	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

JULY, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	43.7	30.0	38.0	38.0	38.0	38.7	...	0	7	10	9		
2	50.0	33.2	38.0	38.0	38.8	40.0	...	0	9	10	9		
3	69.2	31.9	38.0	38.0	38.5	40.0	M.R.	0	5	10	10		
4	47.3	38.0	38.0	38.2	40.6	41.0	R., H.	0	10	10	10		
5	71.0	29.0	38.4	38.2	37.1	39.0	R., H.	0	10	7	6		
6	67.5	28.5	38.0	38.0	37.0	36.1	S., H.	0	7	7	6		
7	56.0	24.8	37.5	37.2	35.5	37.0	R., S.	0	8	10	7		
8	75.0	28.9	37.0	37.0	38.0	38.2	R.	0.9	9	4	3		
9	53.8	28.5	37.0	36.7	37.2	37.5	S.	0	3	8	3		
10	83.0	29.2	36.6	36.5	37.6	38.0	...	0	8	3	2		
11	84.0	34.6	36.7	36.8	38.6	39.0	...	0.8	9	10	1		
12	45.6	37.0	37.0	37.1	39.5	39.8	M.R.	0	10	10	10		
13	82.0	28.6	37.5	37.6	38.3	38.5	S.	2.5	1	8	5		
14	36.3	26.0	37.2	37.0	36.0	37.5	S., H.	0	10	10	2		
15	80.8	29.3	36.7	36.5	36.5	37.1	R., H.	0	5	9	7		
16	61.4	35.0	36.5	36.7	39.0	39.0	R.	0	10	8	5		
17	75.0	23.4	36.9	36.8	36.0	38.5	...	0	3	10	10		
18	80.0	33.5	36.9	36.8	39.0	39.8	R.	0.7	8	7	5		
19	48.5	36.2	37.0	37.2	40.0	40.3	M.R.	0	10	10	10		
20	67.6	34.0	37.9	38.0	38.1	38.0	H.	0	8	5	10		
21	91.0	33.6	38.0	38.0	38.5	38.0	R., H.	...	4	10	2		
22	47.1	30.4	37.8	37.5	38.5	39.0	R.	...	10	10	10		
23	85.5	37.5	36.8	36.8	39.8	40.1	...	...	9	10	10		
24	56.0	30.2	38.0	38.1	39.8	40.0	...	...	10	10	6		
25	66.6	38.1	38.8	38.7	40.0	40.0	R.	...	10	7	1		
26	79.0	24.0	38.5	38.2	38.0	38.8	...	...	10	10	10		
27	59.0	32.0	38.0	38.0	38.7	39.0	...	...	10	10	10		
28	64.5	31.4	38.0	38.0	37.0	36.3	...	...	6	5	10		
29	43.0	30.3	38.0	38.0	37.3	38.0	R., S.	...	10	10	6		
30	66.0	32.7	37.8	37.9	38.0	39.0	M.R.	...	10	10	4		
31	79.2	30.0	37.8	37.8	37.5	38.2	R.	...	10	9	10		
Means ...	65.0	31.6	37.6	37.5	37.2	38.7	...	0.2	8.0	8.6	6.7		
Extremes {	91.0	39.2	38.8	38.7	40.6	...	...	2.5	...	...	...		
	...	23.4	36.5	36.5	35.5	...	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—continued:  
MACQUARIE ISLAND.

AUGUST, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				0 a.m.	3 p.m.	9 p.m.
			9 a.m.	3 p.m.		9 a.m.	3 p.m.				
1	50·5	34·3	38·0	38·0	38·0	38·0	R., H.	...	9	10	10
2	86·5	26·8	37·8	37·6	35·3	36·0	S.	...	8	8	7
3	48·0	26·2	37·1	37·0	35·3	36·8	R., S.I.	...	10	10	10
4	74·0	30·9	36·9	37·0	38·0	38·5	R.	...	9	8	10
5	56·1	30·1	37·0	37·0	36·8	37·9	R., S., H.	...	8	10	10
6	53·0	35·6	37·0	37·0	37·5	38·8	R.	...	10	10	7
7	80·4	34·1	37·1	37·3	38·1	...	R., S.	...	10	10	10
8	89·2	30·0	37·3	37·1	37·0	37·5	S., H.	...	8	5	5
9	54·6	27·0	36·9	36·7	36·0	37·0	S.	...	10	10	10
10	93·1	22·8	36·2	36·1	35·0	35·0	S., H.	...	6	5	6
11	88·0	24·0	36·0	35·8	35·0	35·0	R.	...	8	9	5
12	46·4	31·3	35·6	35·5	37·0	38·0	R.	...	10	10	10
13	48·7	38·2	36·0	36·1	38·0	38·2	M.R.	...	10	10	6
14	86·2	33·0	36·6	36·8	37·0	37·0	R.	...	8	10	10
15	93·1	31·2	37·0	37·0	37·0	37·2	...	...	1	8	0
16	92·8	31·0	37·0	37·1	38·3	38·5	M.R.	...	10	2	2
17	99·0	35·3	37·3	37·5	38·3	38·8	...	...	10	1	5
18	65·9	28·0	37·8	38·0	39·5	40·0	M.R.	...	10	10	10
19	64·5	34·2	38·1	38·2	40·0	40·2	M.R.	...	10	10	10
20	95·2	34·3	38·4	38·4	38·8	39·0	H.	...	7	4	9
21	91·2	30·0	38·2	38·0	37·0	36·8	S., H.	...	10	7	6
22	97·0	29·7	37·8	37·6	37·3	38·0	R., H.	...	10	8	8
23	54·4	31·3	37·7	37·9	40·0	40·2	M.R.	...	10	10	10
24	98·3	39·0	38·1	38·2	39·7	40·3	...	...	9	10	10
25	100·4	37·8	38·8	39·0	40·0	40·2	M.R.	...	10	10	10
26	75·7	37·7	39·1	39·1	40·5	41·0	R.	...	10	10	10
27	100·0	37·0	39·2	39·4	39·5	39·8	R.	...	10	8	7
28	102·6	34·0	39·4	39·3	39·4	40·1	M.R.	...	10	9	10
29	104·5	38·0	39·7	39·9	40·0	40·3	R.	...	5	10	9
30	90·0	32·0	40·0	40·0	39·0	39·5	M.R.	...	8	10	10
31	97·6	32·8	39·7	39·7	39·0	39·9	...	...	8	10	1
Means ...	79·9	32·2	37·7	37·8	38·0	38·5	...	...	8·8	8·5	7·8
Extremes {	104·5	39·0	40·0	40·0	40·5	41·0	...	...	...	...	...
	...	22·8	35·6	35·5	35·0	35·0	...	...	...	...	...

Table X.—ADDITIONAL OBSERVATIONS—*continued*:  
MACQUARIE ISLAND.

SEPTEMBER, 1912.

Date.	Temperature (Fahrenheit).							Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.					9 a.m.	3 p.m.	0 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.								
1	82.3	29.7	39.6	39.5	38.7	39.0	...	0.2	10	10	7			
2	62.0	33.5	39.1	39.1	39.5	39.8	M.R.	0	10	10	10			
3	57.2	38.8	39.2	39.2	39.9	40.0	R.	0	10	10	10			
4	63.8	38.0	39.5	39.6	40.0	40.0	M.R.	0	10	10	10			
5	94.0	40.0	40.0	40.0	39.8	40.1	M.R.	0	10	10	10			
6	101.0	41.0	40.2	40.3	40.0	41.0	M.R.	0	10	10	10			
7	51.4	37.0	40.7	40.9	39.8	40.1	...	0	10	10	10			
8	72.5	39.1	41.0	41.0	40.0	40.5	...	0	10	10	10			
9	101.7	40.0	41.0	41.0	40.0	40.3	R.	0.9	10	9	10			
10	66.4	34.3	41.0	41.0	39.7	40.0	R.	0	8	10	10			
11	98.6	35.0	41.0	41.0	39.3	39.8	...	0.7	7	7	0			
12	61.7	29.2	40.8	40.5	39.4	39.7	R., S.	0	10	10	2			
13	88.0	32.0	40.0	40.0	38.0	39.7	S.I.	0.2	10	8	10			
14	55.0	34.3	40.0	40.0	40.1	40.5	M.R.	0	10	10	10			
15	105.0	39.5	40.0	40.2	41.0	41.3	...	2.3	10	7	7			
16	100.7	38.0	40.7	40.8	40.5	40.8	R., H.	3.9	5	7	6			
17	104.7	35.8	40.9	41.0	40.0	40.9	R.	0.6	10	8	10			
18	58.8	30.5	41.0	40.8	38.0	37.5	R., S., H.	0.1	10	10	10			
19	113.0	23.0	40.0	39.7	38.0	38.7	S., H.	2.3	8	9	10			
20	104.4	32.2	39.0	38.9	38.8	39.7	H.	1.0	10	10	10			
21	67.2	32.0	38.6	38.5	38.5	38.8	S.	0	10	9	8			
22	107.8	28.0	38.5	38.4	39.0	40.0	M.R.	1.2	10	10	10			
23	104.2	31.5	39.0	39.0	39.8	39.8	...	0.8	9	10	10			
24	64.5	35.4	39.4	39.4	40.0	40.3	R.	0	10	10	10			
25	97.5	31.8	39.5	39.5	38.3	38.0	H.	0.7	7	10	10			
26	89.5	28.7	39.0	39.0	37.5	37.3	S., H.	0.8	10	9	10			
27	66.7	29.6	38.5	38.3	37.0	38.0	...	0	10	10	10			
28	109.3	30.5	38.2	38.2	39.0	40.0	R.	0	10	7	3			
29	50.0	29.3	38.8	38.8	39.0	40.0	R.	4.2	10	10	10			
30	109.8	36.1	39.0	39.1	40.8	...	R., H.	1.2	10	10	2			
Means	83.7	33.8	39.8	39.8	39.3	39.7	...	0.7	9.5	9.3	8.5			
Extremes	{ 113.0	41.0	41.0	41.0	41.0	41.3	...	4.2	...	...	...			
	{ ...	23.0	38.2	38.2	37.0	37.3	...	0.0	...	...	...			

Table X.—ADDITIONAL OBSERVATIONS—*continued*.  
MACQUARIE ISLAND. OCTOBER, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10). <sup>1)</sup>		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
			9 a.m.	3 p.m.		9 a.m.	3 p.m.				
1	55.0	32.2	39.3	39.5	40.0	40.3	R.	0	10	10	6
2	105.0	36.0	39.7	39.7	40.0	40.1	R.	1.0	6	6	2
3	100.8	34.0	39.9	39.9	40.1	... <sup>2)</sup>	R., S., Sl.	0.7	5	10	10
4	112.6	31.3	39.7	39.5	39.8	40.3	M.R.	4.0	7	10	10
5	98.4	38.3	40.0	40.0	40.5	39.0	R., H.	0.7	8	10	10
6	115.3	29.5	40.0	40.0	38.7	40.0	R., H.	4.1	8	10	2
7	70.5	36.3	40.0	40.0	39.7	40.5	R.	0	10	10	3
8	82.0	35.2	40.2	40.3	40.2	40.5	R.	0	10	10	10
9	115.6	34.0	40.8	40.6	39.8	...	R., S., H.	5.3	6	7	5
10	88.0	35.0	40.8	40.8	40.2	40.4	M.R.	0	10	10	10
11	111.3	40.7	41.0	41.0	41.0	41.7	R.	1.4	10	9	10
12	73.6	33.2	41.3	41.2	39.3	39.7	R., S., Sl.	0	10	10	7
13	108.0	30.2	40.9	40.5	38.0	38.7	H., Sl.	1.1	9	8	6
14	91.0	29.3	40.2	40.1	37.0	38.2	R., H., Sl.	0	8	10	10
15	58.0	31.0	40.0	39.9	37.5	38.2	R.	0	10	10	10
16	112.0	33.0	39.6	39.5	39.8	...	...	1.9	4	10	10
17	77.7	39.0	40.0	40.2	41.3	41.5	M.R.	0	10	10	10
18	58.0	41.0	40.8	40.9	41.0	41.0	R.	0	10	10	10
19	116.0	35.0	41.0	41.0	40.5	41.0	M.R.	2.2	6	10	10
20	117.3	35.4	41.2	41.2	41.3	41.3	S., H., Sl.	1.0	8	10	10
21	69.6	30.4	41.0	41.0	39.0	...	R.	0	10	10	7
22	113.8	34.3	41.0	41.0	40.5	41.5	R.	1.4	6	10	10
23	120.0	35.3	41.2	41.1	41.0	41.2	R., H.	4.2	8	7	4
24	112.3	32.1	41.5	41.4	40.4	40.2	R., H.	0.9	10	7	10
25	115.0	30.0	41.3	41.2	39.6	39.2	S., Sl., H.	2.3	4	10	10
26	93.8	32.0	41.0	41.0	39.5	39.2	...	0.1	10	9	10
27	116.0	34.2	41.0	41.1	41.5	42.3	R.	3.0	2	10	10
28	121.3	35.7	41.8	42.0	41.0	43.2	R.	5.4	9	1	10
29	116.3	35.3	42.6	42.8	40.7	42.0	H.	4.3	6	7	3
30	87.0	33.3	42.8	42.8	40.6	41.0	R.	0	10	10	10
31	118.8	36.3	42.5	42.5	40.5	40.3	M.R.	2.3	10	8	10
Means	98.7	34.1	40.8	40.8	40.0	40.4	...	1.5	8.1	9.0	8.2
Extremes	{ 121.3	41.0	42.8	42.8	41.5	43.2	...	5.4	...	...	...
	{ ...	29.3	39.3	39.5	37.0	38.2	...	0.0	...	...	...

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND.

NOVEMBER, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
			9 a.m.	3 p.m.		9 a.m.	3 p.m.				
1	73.7	36.0	42.5	42.4	42.0	41.3	M.R.	0	10	10	10
2	75.5	40.5	42.8	42.9	42.0	42.0	R.	0	10	10	10
3	115.2	30.0	42.5	42.5	40.0	42.0	R., S., H.	8.7	10	4	10
4	113.3	37.5	43.0	43.0	41.8	43.7	R.	0.1	10	10	7
5	95.0	33.0	43.0	43.0	39.4	...	...	0	10	10	10
6	102.8	36.3	42.9	43.0	40.0	41.8	M.R.	0	10	9	10
7	119.8	34.0	43.0	43.0	41.6	43.5	R.	5.2	10	8	10
8	123.2	35.0	43.7	43.9	41.0	41.7	...	5.4	8	7	10
9	103.0	32.3	43.9	44.0	41.6	43.0	...	0.2	10	10	7
10	121.0	38.0	44.0	44.1	43.3	43.0	...	0.4	8	9	6
11	103.7	41.0	45.0	45.0	43.0	...	...	0.1	10	10	10
12	90.0	39.0	45.3	45.3	42.3	42.2	...	0	10	10	10
13	104.2	40.2	45.7	45.8	41.4	42.1	M.R.	0	10	10	10
14	105.3	40.0	45.4	45.5	42.2	43.0	M.R.	0	10	10	10
15	125.0	40.0	45.6	45.7	41.0	41.2	R.	1.0	10	10	7
16	98.0	35.0	45.2	45.1	40.0	40.4	R., H.	0	8	10	8
17	109.1	34.8	44.8	44.5	40.2	40.0	R., H.	1.4	9	9	9
18	125.8	36.1	44.1	44.1	41.4	41.4	R.	1.9	10	7	10
19	79.0	35.4	44.2	44.2	41.0	42.0	M.R.	0	10	10	10
20	118.0	35.9	44.2	44.3	41.7	41.8	...	1.3	7	10	8
21	124.3	34.0	44.4	44.4	42.5	42.8	...	3.4	7	9	10
22	126.5	38.0	45.0	45.0	42.2	43.8	...	1.1	10	10	10
23	95.2	42.3	45.5	45.6	43.4	43.8	M.R.	0	10	10	6
24	120.7	39.0	45.8	46.0	43.3	44.0	R., Sl.	2.5	10	9	9
25	73.5	34.2	46.0	46.0	41.3	41.5	Sl.	0	10	10	10
26	116.2	33.4	45.4	45.3	40.8	...	R.	0	10	10	10
27	121.3	33.0	45.0	45.1	41.8	43.7	...	4.7	8	9	10
28	86.0	40.4	45.5	45.6	44.2	44.2	...	0	10	10	10
29	118.0	42.0	46.0	46.0	44.8	46.0	...	1.1	8	10	10
30	95.4	42.4	46.2	46.2	43.5	44.2	...	0	10	9	10
Means...	105.9	37.0	44.5	44.5	41.8	42.3	...	1.3	9.4	9.3	9.2
Extremes	126.5	42.4	46.2	46.2	44.8	46.0	...	8.7	...	...	...
	...	30.0	42.5	42.4	39.4	40.0	...	0.0	...	...	...

Table X.—ADDITIONAL OBSERVATIONS—*continued*.  
MACQUARIE ISLAND. DECEMBER, 1912.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	90·4	42·0	46·6	46·6	43·7	44·5	...	0	10	10	10		
2	88·3	42·0	47·0	47·0	43·2	45·1	R.	0	10	10	10		
3	97·5	34·1	46·8	46·5	41·5	42·0	R., H., Sl.	0·8	9	10	10		
4	123·4	33·9	45·8	45·6	41·9	44·9	...	0·7	10	8	9		
5	116·0	34·8	45·7	45·7	43·9	46·5	R.	0·9	10	6	4		
6	63·0	40·3	45·9	46·0	43·2	44·0	R.	0	10	10	10		
7	119·6	40·5	45·9	45·9	42·3	43·5	...	2·5	10	9	10		
8	103·5	40·2	46·0	46·1	43·8	45·0	...	0	10	10	7		
9	116·0	38·2	46·3	46·4	43·8	45·3	R.	1·0	10	9	10		
10	125·8	41·8	46·9	47·0	45·3	47·0	...	7·8	2	8	10		
11	125·0	44·0	48·0	48·0	45·2	45·2	M. R.	4·3	2	8	10		
12	124·8	41·3	48·3	48·3	45·0	45·0	...	1·4	7	6	9		
13	109·8	42·3	48·6	48·6	44·8	44·7	M. R.	1·8	10	10	3		
14	123·0	41·0	48·6	48·5	44·8	45·5	...	2·2	9	8	10		
15	78·0	40·4	48·7	48·5	44·0	45·3	R.	0	10	10	10		
16	120·0	37·8	48·0	47·9	42·5	43·3	R., H.	2·8	10	8	9		
18	122·0	35·3	47·3	47·2	42·8	43·7	S. Sl.	1·5	10	6	10		
18	127·0	30·8	47·2	47·2	44·0	45·0	R.	3·2	9	8	9		
19	85·0	38·0	47·3	47·3	43·5	43·0	R.	0	10	10	10		
20	111·0	38·0	47·0	47·0	44·0	44·7	R., H.	0·8	10	10	7		
21	127·7	37·0	47·0	47·0	44·0	46·0	...	5·4	2	10	10		
22	70·4	43·0	47·5	47·5	45·0	45·0	R.	0	10	10	10		
23	126·0	40·0	47·5	47·5	45·7	46·0	...	7·0	2	3	10		
24	126·2	44·0	48·0	48·0	45·6	46·5	...	2·6	10	3	10		
25	131·5	43·7	48·5	49·0	46·5	47·0	...	4·0	10	10	10		
26	122·0	43·8	49·7	49·8	45·3	46·5	M.R.	2·8	10	4	7		
27	112·0	41·0	49·7	49·6	45·7	45·3	R.	0	10	10	10		
28	123·0	39·0	49·3	49·2	44·5	44·3	R., H.	2·3	9	9	3		
29	123·6	36·8	49·0	49·0	44·0	45·2	R.	5·0	2	6	9		
30	130·2	38·7	49·0	49·0	44·8	45·8	H.	5·0	7	6	4		
31	122·2	37·1	49·2	49·1	45·0	45·0	R.	0·3	10	10	10		
Means...	115·4	39·4	47·6	47·6	44·2	45·0	...	2·1	8·4	8·2	8·7		
Extremes	{ 131·5	44·0	49·7	49·8	46·5	47·0	...	7·8	...	...	...		
	{ ...	33·9	45·7	45·6	41·5	42·0	...	0·0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

JANUARY, 1913.

Date:	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	109.2	34.7	49.0	49.0	44.0	45.3	M.R.	0	10	10	8		
2	87.3	40.5	48.5	48.4	45.0	44.7	R.	0.7	10	9	8		
3	121.2	37.4	48.1	48.3	46.0	45.7	...	6.1	1	7	9		
4	82.3	39.7	48.5	48.4	43.8	45.0	R.	0	10	10	10		
5	127.2	36.1	48.2	48.1	43.8	45.5	R.	5.9	5	7	10		
6	125.1	37.1	48.1	48.3	44.7	46.0	R., S., H.	7.0	7	8	6		
7	123.7	33.0	48.3	48.2	45.0	44.8	R.	0.6	7	9	10		
8	128.8	41.0	48.3	48.4	45.0	46.7	R.	7.2	8	4	10		
9	125.4	37.0	48.8	48.8	44.0	45.0	R., H.	2.4	9	8	6		
10	125.0	33.5	48.1	48.2	44.8	44.0	R., H.	6.4	4	8	4		
11	122.2	31.5	48.0	47.9	42.8	43.0	S., H.	6.5	4	7	8		
12	60.0	34.0	47.2	47.1	42.7	43.6	R.	0	10	10	5		
13	121.5	38.0	46.9	46.9	43.5	44.5	R.	1.5	7	6	10		
14	119.0	40.7	47.0	47.0	45.6	46.0	R.	5.2	5	7	10		
15	117.3	35.6	47.3	47.2	44.8	45.0	M.R.	0	7	10	5		
16	125.0	36.4	47.0	47.1	44.7	46.0	R.	4.0	4	4	10		
17	129.8	36.4	47.3	47.5	44.0	46.0	R.	7.2	8	4	10		
18	122.5	37.2	48.1	48.1	45.5	47.0	...	4.3	5	7	8		
19	105.0	40.1	48.6	48.8	45.2	45.3	...	0.1	9	10	10		
20	130.7	34.5	48.9	48.9	43.0	47.5	R., S., H.	6.3	10	5	3		
21	125.5	31.0	49.0	49.0	44.0	46.0	R., S.	8.5	4	3	8		
22	127.5	36.2	49.3	49.3	44.8	46.0	R.	8.6	9	2	10		
23	122.2	41.1	49.9	49.9	45.2	44.3	R.	3.1	2	7	8		
24	124.5	36.3	49.9	49.5	41.6	44.7	R.	3.6	8	7	2		
25	130.0	40.9	49.5	49.5	43.0	43.5	R.	4.8	4	8	2		
26	123.7	35.5	49.4	49.2	44.0	43.0	R.	9.7	3	7	5		
27	127.8	33.1	49.2	49.2	41.0	43.0	S.I., H.	6.9	9	4	3		
28	124.2	32.3	49.2	49.1	42.8	44.0	R.	6.6	2	9	10		
29	124.4	39.0	49.2	49.2	43.0	44.1	R.	0.1	10	10	10		
30	90.2	42.0	49.2	49.2	43.0	44.5	...	0	10	10	10		
31	117.7	39.0	49.0	49.0	42.4	42.9	R.	0.1	10	10	10		
Means...	117.6	36.8	48.5	48.5	44.0	44.9	...	4.0	6.8	7.3	7.7		
Extremes.	{ 130.7	42.0	49.9	49.9	46.0	47.5	...	9.7	...	...	...		
	{ ...	31.0	46.9	46.9	41.0	42.9	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued*:  
MACQUARIE ISLAND. FEBRUARY, 1913.

Date.	Temperature (Fahrenheit).						Rainfall:	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	120.8	37.2	48.3	48.3	42.2	44.7	...	1.1	10	9	10		
2	92.8	42.2	48.6	48.5	43.2	43.5	M.R.	0	10	10	10		
3	120.0	36.0	48.1	48.0	41.0	43.6	M.R.	1.8	8	10	10		
4	120.3	40.3	48.0	48.0	43.0	46.0	...	6.2	9	3	10		
5	53.3	40.7	48.1	48.1	42.7	42.3	R.	0	10	10	9		
6	120.2	37.8	48.0	48.0	41.6	43.0	...	8.8	6	9	2		
7	124.9	39.3	48.0	48.0	42.2	43.0	...	3.1	10	10	1		
8	117.8	38.8	48.2	48.1	42.0	43.3	R., H.	5.7	2	7	4		
9	64.0	35.2	48.0	48.0	40.5	41.2	R.	0	10	10	10		
10	109.0	36.8	47.3	47.2	41.2	40.8	R.	0.9	9	10	10		
11	116.1	32.0	47.0	46.8	40.6	41.5	R., S., H.	3.5	8	7	6		
12	117.0	30.3	46.2	46.0	40.0	40.5	S., H.	5.2	6	8	5		
13	115.1	30.8	45.8	45.4	40.0	40.3	S., H.	2.1	8	9	6		
14	118.0	31.0	45.1	45.0	40.7	40.0	R., S., H.	0.9	6	10	10		
15	83.4	33.8	45.0	45.0	41.7	41.8	M.R.	0	10	10	10		
16	107.7	37.1	45.0	45.1	41.8	43.3	...	0.6	10	10	10		
17	102.0	41.5	45.6	45.8	41.0	41.6	R.	0	10	10	8		
18	84.0	38.7	45.9	45.9	41.2	41.8	R.	0	10	10	10		
19	120.3	41.0	46.0	46.0	41.0	43.5	R.	2.1	10	5	3		
20	57.2	38.0	46.2	46.3	41.0	41.4	R.	0	10	10	10		
21	112.1	36.7	46.0	46.0	41.0	42.2	R.	1.8	2	10	10		
22	121.3	37.3	46.0	46.1	42.2	44.3	...	9.1	4	4	4		
23	119.5	34.4	46.5	46.5	41.8	43.0	R.	4.7	3	8	10		
24	101.0	37.0	46.9	46.8	42.2	41.5	M.R.	0.1	10	8	10		
25	81.0	40.6	46.6	46.6	42.0	42.0	R.	0	10	10	10		
26	81.3	41.8	46.6	46.5	42.0	41.0	R.	0	10	10	8		
27	115.4	34.1	46.2	46.0	41.0	41.2	S.I.	4.1	6	6	3		
28	114.0	35.5	46.0	46.0	41.0	43.5	...	0	9	10	6		
Means...	103.9	37.0	46.8	46.7	41.5	42.3	...	2.1	8.1	8.7	7.7		
Extremes	{ 124.9	42.2	48.6	48.5	43.2	46.0	...	9.1	...	...	...		
	...	30.3	45.0	45.0	40.0	40.0	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

MARCH, 1913.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
			0 a.m.	3 p.m.		0 a.m.	3 p.m.				
1	110.6	34.5	46.0	45.9	40.3	40.8	R., S.L., H.	0.5	10	10	10
2	117.3	35.0	45.4	45.3	40.0	41.5	R.	3.0	10	8	5
3	61.0	35.7	45.3	45.3	40.7	41.2	...	0	10	10	10
4	115.2	38.5	45.2	45.2	40.5	41.3	R.	1.3	9	4	10
5	113.3	37.6	45.2	45.3	40.6	42.2	R.	2.0	4	6	10
6	112.0	37.2	45.4	45.4	40.6	41.5	R.	2.4	10	5	2
7	119.1	32.8	45.1	45.1	40.0	40.0	H., S.L.	2.6	5	9	5
8	96.0	34.3	45.0	45.0	40.0	41.1	R.	0.1	6	10	10
9	53.0	39.6	44.7	44.7	41.2	...	R.	0	10	10	6
10	110.4	33.7	44.3	44.1	39.8	40.7	...	3.7	6	8	7
11	74.1	36.1	44.2	44.1	40.8	41.4	M.R.	0	10	10	10
12	66.9	39.0	44.5	44.6	41.6	42.2	...	0	10	10	10
13	86.7	39.4	45.0	45.0	41.2	42.1	...	0	10	10	10
14	87.0	41.4	45.0	45.0	41.3	41.8	M.R.	0	10	10	10
15	109.6	41.0	45.1	45.1	41.2	42.0	...	0.5	10	10	10
16	93.2	40.8	45.3	45.4	41.2	42.0	M.R.	0.1	10	10	10
17	87.4	41.8	45.6	45.6	41.4	41.8	...	0	10	10	10
18	95.3	41.0	45.7	45.8	42.2	43.2	M.R.	0	10	10	9
19	91.6	39.6	45.4	45.5	42.0	43.0	R.	0	9	9	10
20	113.2	37.4	45.3	45.2	41.8	42.4	R.	2.4	8	9	5
21	113.4	33.3	45.2	45.1	42.2	44.0	R.	0.4	10	8	10
22	117.0	34.2	45.0	45.0	40.5	41.8	R.	3.5	9	10	8
23	62.3	34.0	45.0	44.9	41.5	42.0	R.	0	10	10	10
24	108.3	38.0	44.8	44.6	41.0	41.5	R., H.	2.4	1	6	6
25	109.4	34.2	44.4	44.4	41.5	41.9	M.R.	7.7	4	1	10
26	91.5	39.3	44.9	44.9	42.2	42.6	R.	0.1	10	10	10
27	73.0	41.4	45.0	45.0	42.0	42.2	R.	0	10	10	10
28	53.8	34.2	44.8	44.5	41.0	41.6	R.	0	10	10	3
29	103.4	32.5	44.0	43.9	41.0	41.8	R.	1.9	7	9	3
30	90.9	35.9	43.7	43.8	42.5	42.8	R.	0.2	10	7	10
31	103.5	36.6	43.8	43.9	41.3	42.0	R., H.	4.7	6	6	10
Means...	95.1	37.1	44.9	44.9	41.1	41.9	...	1.3	8.5	8.5	8.4
Extremes	{ 110.4	41.8	46.0	45.9	42.5	44.0	...	7.7	...	...	...
	{ ...	32.5	43.7	43.8	39.8	40.0	...	0.0	...	...	...

Table X.--ADDITIONAL OBSERVATIONS--continued.  
MACQUARIE ISLAND.

APRIL, 1913.

Date,	Temperature (Fahrenheit).								Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.		R., Sl., H.	5·4							
			9 a.m.	3 p.m.	9 a.m.	3 p.m.					9 a.m.	3 p.m.	9 p.m.		
1	106·2	35·1	43·8	43·7	40·7	41·4	R., Sl., H.	5·4	7	6	5				
2	88·2	31·2	43·3	43·0	40·1	40·3	S., Sl., H.	0	10	10	2				
3	104·1	30·5	42·6	42·4	40·0	40·2	Sl., H.	1·0	7	7	4				
4	108·8	31·0	42·1	42·0	40·0	40·2	H.	5·2	4	7	1				
5	69·0	30·2	41·8	41·6	40·0	40·4	M.R.	0	10	10	10				
6	68·0	37·0	41·7	41·7	41·6	42·2	...	0	9	10	10				
7	51·4	42·0	42·0	42·1	42·2	42·6	R.	0	10	10	10				
8	75·0	43·4	42·7	42·9	42·3	42·5	R.	0	10	10	10				
9	105·1	39·2	43·1	43·4	42·2	42·3	R.	2·5	4	8	1				
10	68·0	38·0	43·3	43·1	41·7	41·7	...	0	10	10	1				
11	100·7	29·3	43·0	42·8	40·9	41·3	R.	1·0	7	10	10				
12	93·2	37·0	42·6	42·5	41·8	41·8	R., H.	0	10	9	5				
13	89·3	30·4	42·2	42·0	39·8	40·1	S., H.	...	8	10	7				
14	102·1	30·4	41·4	41·3	40·9	41·0	...	...	8	8	9				
15	49·1	36·6	41·3	41·3	41·4	42·0	R.	...	10	10	10				
16	100·0	30·0	41·3	41·1	39·1	40·0	R.	...	7	9	9				
17	92·5	34·0	41·0	41·0	40·9	41·3	...	...	8	10	10				
18	86·4	39·7	41·3	41·3	42·1	42·2	M.R.	...	10	10	8				
19	97·8	35·2	41·7	41·6	40·4	41·2	...	...	6	8	10				
20	98·2	36·0	41·8	41·9	40·4	40·0	...	...	6	3	6				
21	64·0	35·3	42·0	42·0	41·6	42·0	...	...	10	10	10				
22	98·9	40·1	42·0	42·0	42·2	42·2	R.	...	10	10	8				
23	57·4	36·0	42·1	42·1	40·0	40·0	...	...	9	10	10				
24	68·0	33·4	42·0	42·0	40·0	40·0	...	...	9	9	10				
25	46·9	35·0	41·8	41·6	39·7	40·4	...	...	10	10	10				
26	48·8	36·1	41·4	41·4	40·6	41·3	M.R.	...	10	10	10				
27	85·3	39·7	41·6	41·8	41·4	41·7	R.	...	7	10	10				
28	97·0	36·4	42·0	42·0	41·0	41·3	R.	...	6	6	9				
29	93·1	33·2	42·0	42·0	40·0	40·0	R., S., H.	...	8	7	10				
30	65·9	29·1	41·3	41·0	39·2	40·0	R.	...	8	10	10				
Means...	82·6	35·0	42·1	42·0	40·8	41·4	...	1·3	8·3	8·9	7·6				
Extremes	{ 108·8	43·4	43·8	43·7	42·3	42·6	...	5·4	...	...	...				
	..	29·1	41·0	41·0	39·1	40·0	...	0·0	...	...	...				

Table X.—ADDITIONAL OBSERVATIONS—*continued.*

MACQUARIE ISLAND.

MAY, 1913.

Date:	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	49.0	34.0	40.9	40.8	39.4	39.2	R., H.	...	9	9	6		
2	78.3	31.2	40.3	40.1	39.0	39.2	R.	...	7	10	8		
3	62.0	31.7	40.1	40.1	40.4	41.0	...	...	8	10	10		
4	76.6	33.6	40.3	40.3	40.6	40.6	...	...	8	10	10		
5	87.3	36.0	40.4	40.4	40.7	40.2	S., S.H.	...	9	7	7		
6	54.3	29.0	40.1	40.0	38.8	38.7	R., S., S.H.	...	8	10	10		
7	66.0	32.8	39.9	39.8	39.9	40.0	R., S.I.	...	7	10	10		
8	66.1	34.9	39.8	39.8	40.0	40.3	S., S.I.	...	7	10	6		
9	68.6	29.3	39.5	39.3	37.4	38.3	S., S.H.	...	10	7	5		
10	85.0	28.3	38.9	38.8	38.3	38.8	S., S.H.	...	8	9	10		
11	51.7	29.4	38.4	38.3	40.3	40.4	R.	...	10	10	9		
12	77.9	34.4	38.7	38.7	40.0	39.9	R., H.	...	1	8	10		
13	87.4	30.9	38.9	38.8	38.6	39.1	R., S., S.I.	...	9	8	10		
14	57.5	34.0	39.0	39.0	39.4	39.3	R., H.	...	9	10	10		
15	49.0	29.1	38.8	38.5	38.4	38.7	...	...	10	10	10		
16	43.1	34.7	38.6	38.6	39.5	39.2	R.	...	10	10	0		
17	45.0	30.2	38.6	38.5	38.3	38.4	R.	...	10	10	10		
18	67.5	31.6	38.3	38.3	38.0	38.0	R., S., S.I.	...	6	10	2		
19	42.8	27.8	38.1	38.0	37.6	37.6	S.	...	10	10	10		
20	58.2	29.4	37.8	37.5	37.4	37.0	S.	...	10	9	7		
21	45.4	28.5	37.3	37.2	37.1	37.3	S.	...	7	8	10		
22	67.8	29.0	37.0	37.2	38.4	38.0	R.	...	10	6	2		
23	71.2	33.0	37.3	37.4	37.3	37.7	R.	...	5	8	10		
24	65.1	35.8	37.6	37.8	38.0	38.9	R.	...	3	10	10		
25	63.5	37.4	38.0	38.0	38.0	38.3	...	...	10	8	1		
26	46.6	35.2	38.3	38.3	38.3	38.3	...	...	10	10	10		
27	39.0	35.0	38.4	38.6	38.0	37.8	R., S.	...	10	10	10		
28	65.0	29.7	38.3	38.1	37.3	37.0	S.	...	4	7	10		
29	43.0	28.6	37.9	37.7	37.0	37.4	R., S.	...	10	9	6		
30	43.2	27.9	37.2	37.1	36.4	37.8	M.R.	...	9	10	3		
31	43.6	30.2	37.1	37.0	38.0	38.7	R.	...	10	10	3		
Means .....	60.2	31.7	38.7	38.6	37.9	38.8	...	...	8.2	9.1	7.6		
Extremes .....	87.4	37.4	40.9	40.8	40.7	41.0	...	...	...	...	...		
.....	27.8	37.0	37.0	36.4	37.0	37.0	...	...	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND.

JUNE, 1913.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	38.2	27.3	37.1	37.1	37.4	37.0	R., S.	...	10	10	10		
2	50.4	32.0	37.1	37.1	38.8	39.0	R.	...	10	10	10		
3	64.8	32.0	37.5	37.5	38.0	38.3	...	...	1	9	10		
4	48.0	35.2	38.0	38.0	38.4	38.0	R.	...	10	6	8		
5	70.4	29.5	38.0	37.8	37.6	37.4	S.	...	5	7	8		
6	63.6	28.1	37.3	37.2	37.3	37.4	S., Sl.	...	10	3	1		
7	58.0	28.0	37.0	37.0	37.4	37.4	S.	...	9	10	7		
8	47.8	25.8	36.7	36.7	37.1	37.2	S.	...	5	10	10		
9	39.5	26.4	36.2	36.0	36.1	37.6	R., S.	...	10	10	10		
10	41.4	29.1	36.0	35.9	37.7	38.0	...	...	10	9	10		
11	43.0	35.0	36.0	36.0	38.0	37.0	...	...	10	8	9		
12	66.0	30.0	36.3	36.3	37.9	...	M.R.	...	10	10	10		
13	44.4	35.7	37.0	37.0	38.3	38.2	...	...	9	9	5		
14	41.0	28.9	37.0	37.0	37.3	37.8	R.	...	10	10	9		
15	46.6	25.0	36.9	36.7	35.0	33.8	S., S.H.	...	6	8	6		
16	48.0	23.3	36.4	36.1	34.6	35.0	S., H.	...	6	10	10		
17	61.8	29.2	36.0	35.9	37.4	36.5	R., S., H.	...	9	9	7		
18	49.0	26.0	35.6	35.5	36.4	36.3	...	...	9	7	8		
19	59.8	23.6	35.4	35.3	37.6	37.7	R.	...	7	5	8		
20	63.0	33.0	35.1	35.2	37.3	37.3	R., H.	...	5	7	10		
21	38.5	28.8	35.3	35.3	34.9	...	S.	...	8	10	7		
22	47.0	28.3	35.1	35.2	36.7	37.0	...	...	10	7	10		
23	48.7	32.1	35.3	35.3	37.3	37.6	...	...	10	10	10		
24	43.0	35.4	36.0	35.9	37.8	38.0	M.R.	...	10	10	10		
25	43.9	33.8	36.2	36.2	37.1	37.3	...	...	5	9	10		
26	40.7	33.6	36.4	36.7	38.0	38.0	R.	...	10	10	8		
27	43.7	32.3	37.0	37.0	37.8	38.1	R.	...	10	10	10		
28	45.0	34.2	37.1	37.1	37.7	38.2	...	...	10	10	10		
29	44.4	37.3	37.3	37.3	38.7	39.0	...	...	10	10	10		
30	51.0	32.0	37.9	37.9	37.2	36.5	...	...	4	6	2		
Means ...	49.7	33.1	36.5	36.5	37.2	37.4	...	...	8.3	8.6	8.4		
Extremes {	70.4	37.3	38.0	38.0	38.8	39.0	...	...	...	...	...		
	...	23.3	35.1	35.2	34.6	33.8	...	...	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

JULY, 1913.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	41.6	29.0	37.6	37.5	36.8	36.4	...	...	8	10	9		
2	58.0	34.0	37.3	37.4	38.3	38.0	R., H	...	10	3	2		
3	42.5	31.0	37.4	37.4	38.3	38.4	R.	...	10	10	10		
4	51.6	27.0	37.4	37.2	36.8	36.5	S., S.H.	...	5	6	3		
5	44.6	26.0	37.0	37.0	36.2	37.1	R.	...	9	10	10		
6	45.3	33.0	36.9	36.8	37.8	38.0	R.	...	10	10	10		
7	43.4	36.3	37.0	37.1	39.4	38.8	R.	...	10	7	0		
8	45.0	32.0	37.3	37.1	37.3	37.1	S., S.I.	...	10	8	10		
9	66.0	45.0	36.9	36.9	36.0	37.0	H.	...	7	3	2		
10	65.7	28.7	36.4	36.3	37.5	37.4	R.	...	2	1	1		
11	48.2	32.0	36.2	36.3	38.4	38.0	R.	...	10	10	10		
12	65.0	31.7	36.4	36.4	37.8	37.4	R.	...	8	9	9		
13	46.0	31.3	36.4	36.5	38.0	38.7	R., S.	...	10	10	10		
14	63.0	28.7	36.6	36.6	36.4	36.6	R., S.I.	...	10	10	8		
15	63.7	29.7	36.4	36.3	37.1	36.7	...	...	3	1	0		
16	68.0	23.8	36.1	36.0	36.4	37.2	...	...	0	5	10		
17	45.0	33.1	36.0	36.0	38.0	38.1	...	...	10	10	10		
18	52.7	35.5	36.1	36.2	38.1	38.1	...	...	10	10	10		
19	69.0	34.0	37.0	37.0	38.1	38.3	R.	...	10	10	10		
20	58.7	30.6	37.1	37.1	37.1	37.1	...	...	10	6	1		
21	68.7	22.7	37.0	36.9	36.0	36.4	M.R.	...	3	0	10		
22	52.0	30.7	36.5	36.3	37.0	37.6	R., S., H.	...	10	10	1		
23	62.0	25.0	36.2	36.1	34.1	35.3	S., H.	...	3	7	8		
24	62.0	27.6	36.0	35.9	36.0	36.0	S., S.H.	...	7	8	9		
25	37.5	25.5	35.6	35.4	34.8	34.2	S., S.H.	...	9	10	7		
26	34.0	24.0	35.2	35.1	35.0	36.1	R., S.	...	10	10	10		
27	50.6	38.7	35.0	34.9	37.0	37.0	S., S.H.	...	8	9	1		
28	43.2	27.0	35.0	35.0	37.2	38.0	R.	...	10	9	1		
29	53.0	30.2	35.0	35.0	38.0	38.1	...	...	10	10	10		
30	46.0	35.5	35.3	35.4	38.0	39.0	R.	...	10	10	10		
31	56.1	34.0	36.0	36.0	38.1	38.1	M.R.	...	4	10	2		
Means...	53.2	35.9	36.4	36.4	37.2	37.2	...	...	7.9	8.1	6.3		
Extremes	{ 69.0	45.0	37.6	37.5	39.4	39.0	...	...	...	...	...		
	{ ...	22.7	35.0	34.9	34.1	34.2	...	...	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

AUGUST, 1913.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-16).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	46·1	28·0	36·3	36·3	38·1	39·0	R.	...	10	10	10		
2	70·2	34·1	36·8	36·8	37·8	38·1	R.	...	3	10	10		
3	63·3	35·0	37·0	37·1	38·4	38·2	...	...	4	5	1		
4	74·0	33·3	37·2	37·2	37·2	38·0	...	2·0	3	6	1		
5	72·0	26·0	37·1	37·0	36·4	37·2	H.	1·6	1	1	0		
6	57·8	22·1	36·8	36·6	38·0	38·1	R.	0	10	9	0		
7	47·0	36·1	36·9	37·0	38·3	38·3	...	0	10	10	10		
8	74·1	36·0	37·1	37·1	38·3	38·3	R.	0·3	10	10	10		
9	46·2	34·7	37·5	37·5	38·9	38·3	...	0	10	10	10		
10	60·2	34·3	38·0	38·0	38·3	...	...	0	10	9	10		
11	58·7	31·3	38·0	38·0	38·0	38·0	R., S.	0	10	10	10		
12	68·0	28·2	38·0	37·9	36·3	36·1	S.	0	8	10	8		
13	57·1	22·3	37·3	37·1	36·0	37·0	S.	0·1	7	10	10		
14	61·9	28·2	36·9	36·8	36·2	37·0	R., H.	0	8	10	8		
15	61·0	32·3	36·5	36·6	37·1	38·0	...	0	10	10	10		
16	65·9	34·9	37·0	37·0	37·5	38·0	...	0	10	10	10		
17	75·6	37·0	37·2	37·3	38·2	38·1	...	1·5	10	4	1		
18	57·1	34·4	37·5	37·8	38·4	38·2	R.	0	10	8	10		
19	50·8	33·2	38·0	38·0	38·6	38·5	...	0	10	10	10		
20	51·7	38·0	38·0	38·0	38·4	38·6	R.	0	10	10	10		
21	44·6	38·2	38·4	38·6	39·0	38·0	R., S.	0	10	10	3		
22	77·8	25·0	38·3	38·2	36·6	37·0	SL.	0·7	9	10	5		
23	61·3	27·8	38·0	38·0	37·1	37·3	S., SL.	0	10	9	7		
24	77·4	27·0	37·5	37·4	36·1	36·4	...	3·9	9	3	6		
25	79·5	28·1	37·4	37·3	36·7	37·2	...	3·2	3	4	2		
26	52·0	29·7	37·1	37·1	37·2	38·1	...	0	10	10	8		
27	80·0	34·1	37·3	37·4	38·2	39·1	R.	0	9	8	10		
28	76·9	28·3	37·6	37·6	37·2	38·0	R., SL.	1·4	5	10	10		
29	45·7	34·0	37·7	38·0	38·5	39·0	R.	0	10	10	10		
30	77·0	36·4	38·0	38·1	39·1	37·8	S., S.H.	0·4	10	9	7		
31	50·7	26·0	38·1	38·0	36·2	36·8	S., S.H.	0	9	9	7		
Means...	62·6	31·4	37·4	37·4	37·6	37·8	...	0·6	8·3	8·5	7·3		
Extremes	{ 80·0	38·2	38·4	38·6	39·1	39·1	...	3·9	...	...	...		
	{ ...	22·1	36·3	36·3	36·0	36·1	...	0·0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued*:  
MACQUARIE ISLAND. SEPTEMBER, 1913.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				0 a.m.	3 p.m.	9 p.m.
1	52.1	27.0	37.5	37.4	37.0	38.0	R; S; H.	0	10	10	7
2	76.7	29.2	37.3	37.2	37.0	37.0	H.	0	5	4	5
3	80.0	26.0	37.1	37.0	36.3	37.0	R; H.	2.0	5	10	7
4	47.4	32.5	37.0	37.0	37.5	37.0	R; S; S.	0	10	10	10
5	77.4	26.6	37.0	37.0	36.2	36.4	S.H.	2.4	8	8	1
6	81.3	24.7	36.8	36.9	37.1	38.0	R.	2.0	10	7	10
7	59.8	29.0	36.7	36.6	36.9	37.1	S; S.	0	10	10	8
8	82.8	27.1	36.7	36.7	37.0	37.1	S.	0	4	10	10
9	55.6	25.2	36.6	36.6	37.0	37.0	S; S.	0	9	10	10
10	62.4	31.1	36.4	36.4	37.0	36.6	S; S.H.	0.3	10	10	8
11	80.0	23.4	36.3	36.1	35.0	35.5	R; S; S.H.	1.5	7	10	10
12	66.8	26.4	36.0	36.0	36.0	35.0	S; S.H.	0	8	8	10
13	80.3	23.4	35.9	35.7	35.7	36.1	S.	2.6	5	9	10
14	55.4	29.1	35.5	35.5	36.7	37.0	...	0	10	10	10
15	65.8	34.2	36.0	36.0	38.2	38.3	...	0.1	10	10	10
16	60.1	35.0	36.9	37.0	37.4	37.1	S; S.	0	10	7	0
17	59.1	27.2	37.0	37.0	37.2	38.0	...	0.1	10	10	5
18	82.3	30.3	37.0	37.1	38.2	38.8	R.	2.9	10	2	10
19	67.3	35.2	37.3	37.4	38.6	39.0	...	0	10	10	10
20	84.8	34.0	38.0	38.0	38.1	38.3	...	0.8	10	6	0
21	86.0	28.1	38.2	38.3	38.0	38.6	...	2.4	10	10	3
22	84.0	23.8	38.3	38.2	37.0	37.3	...	0	7	10	8
23	86.6	33.5	38.2	38.2	38.6	38.4	M.R.	0.4	9	10	10
24	83.9	36.0	38.6	38.8	38.2	39.8	...	0.1	10	10	9
25	53.6	35.4	39.0	39.0	38.3	39.0	...	0	10	10	10
26	63.8	37.0	39.1	39.2	39.1	40.0	M.R.	0	10	10	10
27	82.2	37.6	39.6	39.8	38.1	39.0	R.	8	10	6	8
28	84.2	29.4	40.0	40.0	37.0	38.4	R.	0	10	10	6
29	85.0	26.7	39.7	39.4	37.0	36.3	S; S.H.	2.5	3	10	7
30	53.3	25.3	39.0	38.7	36.0	37.4	R.	0.9	10	10	10
Means...	71.3	29.6	37.5	37.6	37.2	37.7	...	0.8	8.7	8.9	7.7
Extremes	{ 86.6	37.6	40.0	40.0	39.1	40.0	...	2.9	...	...	...
	{ ...	23.4	35.5	35.5	35.0	35.0	...	0.0	...	...	...

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Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

OCTOBER, 1915.

Date.	Temperature (Fahrenheit).								Rainfall.	Hours of Sunshine:	Amount of Cloud (0-10).			
	Solar Maximum:	Terrestrial Minimum:	Earth Temperature.		Sea Temperature.		9 a.m.	3 p.m.	9 a.m.	3 p.m.	9 a.m.	3 p.m.	9 p.m.	
			9 a.m.	3 p.m.	9 a.m.	3 p.m.								
1	54.0	33.3	38.6	38.7	37.4	37.0	S., S.H.	3.2	9	8	8	8		
2	...	23.3	38.6	38.3	34.4	35.6	S., S.H.	1.2	8	9	10	10		
3	...	26.0	38.0	38.0	37.0	37.1	M.R.	0	10	10	10	10		
4	...	35.3	38.0	38.0	38.3	38.4	...	0	10	10	10	10		
5	...	36.1	38.1	38.1	38.4	39.1	...	0	10	10	10	10		
6	...	38.0	38.6	38.8	39.0	38.8	...	0	10	10	10	10		
7	...	33.7	39.0	39.0	38.4	39.3	R.	...	10	10	10	10		
8	...	32.2	39.3	39.3	38.5	39.0	R., S. H.	3.2	3	5	5	5		
9	...	30.0	39.3	39.3	38.0	39.1	M.R.	...	10	10	10	10		
10	...	37.2	39.5	39.5	39.0	39.3	M.R.	...	10	10	7	7		
11	...	28.5	39.9	39.8	38.0	38.5	R.	1.0	4	7	8	8		
12	...	32.3	39.8	39.8	39.2	39.6	...	0.1	9	9	10	10		
13	...	33.8	40.0	40.0	39.3	41.0	...	0	10	10	10	10		
14	...	33.5	40.2	40.3	39.5	40.2	...	0.4	10	10	10	10		
15	...	36.9	40.6	40.9	39.4	40.0	...	...	10	10	10	10		
16	...	37.0	40.9	41.0	39.9	39.3	R., S.	...	10	10	10	10		
17	...	28.0	41.0	41.0	38.0	38.8	S.	...	8	10	10	10		
18	...	29.2	40.9	40.5	38.8	39.0	H.	...	3	10	10	10		
19	...	33.5	40.4	40.5	38.6	39.1	...	...	10	9	9	9		
20	...	33.1	40.6	40.8	39.4	40.0	R.	...	10	10	10	10		
21	...	30.1	40.7	40.5	38.0	39.0	S.H.	...	10	10	10	9		
22	...	30.0	40.4	40.4	39.0	40.2	R.	...	4	7	10	10		
23	...	37.0	40.6	40.7	39.0	38.4	S., S.I.	...	10	10	10	10		
24	...	29.3	40.5	40.5	38.0	39.3	H.	...	4	6	7	7		
25	...	29.2	40.8	40.6	38.0	38.4	H.	...	10	10	10	5		
26	...	27.1	40.6	40.4	36.4	37.8	S., H.	...	10	10	10	10		
27	...	29.0	40.2	40.1	38.3	39.0	S.I.	...	4	9	10	10		
28	...	30.0	40.3	40.2	39.4	38.3	S., H.	...	6	7	10	10		
29	...	29.0	40.4	40.4	37.6	39.0	...	...	10	10	10	10		
30	...	33.0	40.7	40.8	39.3	41.7	...	...	10	10	10	10		
31	...	34.0	41.1	41.1	39.0	39.2	R.	...	10	10	10	10		
Means...	...	31.9	39.9	39.9	38.4	39.0	...	0.8	8.5	9.3	8.7	8.7		
Extremes	{	...	38.0	41.1	41.1	39.9	41.7	...	3.2	...	...	...	...	
	{	...	23.3	38.0	38.0	34.4	35.6	...	0.0	...	...	...	...	

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND. NOVEMBER, 1913.

Date.	Temperature (Fahrenheit).						Rainfall.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	...	36.3	41.2	41.2	40.0	41.1	...	...	10	10	10		
2	...	33.4	41.5	41.8	42.0	44.0	...	...	1	2	4		
3	...	26.0	42.3	42.4	42.0	44.1	...	...	2	1	7		
4	...	32.0	43.0	43.0	40.0	41.6	R.	...	10	6	0		
5	...	28.7	43.1	43.0	39.0	38.5	S.	...	8	10	10		
6	...	34.0	43.0	43.0	39.2	40.0	...	...	10	10	10		
7	...	29.2	42.9	42.6	39.8	40.0	...	...	5	8	6		
8	...	25.1	42.6	42.4	38.7	40.1	...	...	10	10	5		
9	...	34.0	42.3	42.2	38.9	39.2	M.R.	...	10	10	10		
10	...	35.0	42.1	42.1	39.6	39.2	S.	...	5	9	8		
11	...	26.0	42.0	42.0	37.0	38.3	H.	...	10	9	8		
12	...	30.0	41.8	41.7	38.6	40.0	S.	...	10	10	7		
13	...	32.7	42.0	42.0	39.1	42.6	...	...	10	9	10		
14	...	35.0	42.2	42.4	41.7	43.2	...	...	10	10	10		
15	...	37.5	43.0	43.1	40.1	41.0	R.	...	10	10	10		
16	...	38.4	43.1	43.0	40.9	40.2	M.R.	...	10	10	10		
17	...	39.6	43.0	43.0	40.0	41.3	...	...	10	8	10		
18	...	35.0	43.7	43.7	42.3	41.9	...	...	6	10	10		
19	...	31.3	44.0	44.0	42.0	41.7	R.	...	5	3	7		
20	...	33.1	44.3	44.4	40.0	41.4	R.	...	7	3	10		
21	...	33.3	44.4	44.4	40.0	42.0	R.	...	7	10	10		
22	...	39.3	45.0	45.0	41.6	44.2	...	...	1	1	9		
23	...	36.3	45.7	45.8	39.5	40.4	S.	...	10	10	10		
24	...	32.1	45.7	45.6	39.4	43.6	...	...	10	10	10		
25	...	35.1	45.9	45.8	39.3	40.1	R.	...	10	10	10		
26	...	38.4	45.5	45.3	40.4	43.0	...	...	10	7	10		
27	...	34.0	45.4	45.3	40.0	41.4	M.R.	...	10	10	10		
28	...	34.1	45.3	45.2	40.0	41.1	...	...	10	10	10		
29	...	32.2	45.3	45.1	40.2	41.9	...	...	10	8	9		
30	...	35.7	45.6	45.7	41.0	41.0	...	...	7	8	10		
Means ...	...	33.4	43.6	43.5	40.8	41.3	...	...	8.1	8.0	8.7		
Extremes {	...	39.6	45.9	45.8	42.3	44.1	...	...	...	...	...		
	...	25.1	41.2	41.2	37.0	38.3	...	...	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND. DECEMBER, 1914.

Date.	Temperature (Fahrenheit).						Rainfall. In. Inches.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
			9 a.m.	3 p.m.		9 a.m.	3 p.m.				
1	...	30.5	42.8	42.0	39.2	40.0	.09	.0	10	10	10
2	86.5	34.8	42.2	42.2	41.0	41.7	.03	.0	10	10	10
3	91.7	39.1	42.2	42.2	41.0	42.0	.12	.0	10	10	10
4	120.0	37.9	42.9	42.9	41.2	41.0	.11	3.8	8	9	10
5	108.5	37.3	43.0	43.0	40.8	41.1	.25	.0	10	10	10
6	121.5	34.1	43.0	42.9	41.0	42.0	.07	8.0	3	2	10
7	87.3	33.5	43.2	43.0	41.6	40.9	.00	.0	10	10	10
8	112.2	31.3	43.9	43.9	39.9	41.0	.25	2.1	10	7	9
9	77.3	33.0	43.8	43.3	40.1	40.0	.05	.0	10	10	10
10	121.0	33.0	43.1	43.1	42.0	42.6	.32	1.2	10	9	10
11	113.8	32.3	43.0	43.0	42.3	43.0	.04	8.7	10	7	10
12	130.2	34.0	43.8	43.8	41.5	42.0	.19	3.8	10	6	0
13	110.5	32.3	44.0	44.0	41.2	42.2	.04	1.8	10	8	10
14	103.5	32.2	44.0	43.9	42.0	43.0	.09	.0	10	10	10
15	104.5	35.3	44.0	44.0	43.5	43.3	.12	.0	10	10	10
16	114.4	39.1	44.0	44.0	43.0	43.3	.00	0.3	9	10	10
17	105.9	37.8	44.1	44.1	43.1	43.3	.20	.0	10	10	10
18	106.2	34.9	44.1	44.1	42.6	42.9	.17	0.5	10	10	7
19	109.3	36.4	44.0	44.0	43.0	42.4	.06	.0	10	10	10
20	115.4	34.0	44.0	44.0	42.1	42.6	.47	1.6	5	10	9
21	112.7	31.8	43.8	43.8	41.7	42.3	.35	0.1	10	10	10
22	114.5	32.9	43.8	43.8	42.0	42.2	.04	.0	10	10	10
23	113.5	39.1	43.8	43.8	41.7	42.2	.10	0.6	10	7	10
24	111.9	32.1	43.8	43.8	41.6	41.8	.10	2.4	7	10	10
25	89.9	33.5	43.4	43.4	41.8	41.6	.04	.0	10	10	10
26	133.2	32.9	43.2	43.2	41.2	43.0	.05	4.1	10	7	10
27	116.5	29.2	43.8	43.8	42.5	43.4	.04	.0	10	10	10
28	122.4	35.6	44.0	44.0	41.8	42.7	.12	0.2	10	10	10
29	111.6	40.3	44.0	44.0	43.5	43.2	.00	.0	10	10	3
30	117.9	36.1	44.6	44.8	42.2	43.3	.03	4.0	3	2	10
31	120.5	39.9	44.9	44.9	43.0	43.5	.04	8.7	10	3	10
Means ...	110.1	34.7	43.6	43.6	41.8	42.2	3.58	1.7	9.2	8.6	9.3
Extremes	{ 133.2	40.3	44.9	44.9	43.5	43.5	0.47	8.7	...	...	...
	... 29.2	42.2	42.0	39.2	40.0	...	0.0	...	...	...	...

Note.—Harold Power had recorded the amount of precipitation in the case of six of the months of his regime (1914). These figures he communicated to Mr. Tulloch as follows, stated in points: May, 420; June, 460; July, 405; August, 380; September, 453; October, 510.

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND. JANUARY, 1915.

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
1	97.5	36.9	45.1	45.1	42.3	44.0	.02	.0	10	10	10
2	123.1	40.6	45.2	45.2	42.8	44.0	.08	2.6	10	10	10
3	127.3	33.5	45.7	45.8	42.5	43.9	.02	6.6	10	5	0
4	133.1	33.0	46.0	46.0	43.5	45.0	.00	3.7	9	9	10
5	79.5	39.5	46.8	46.8	42.0	42.4	.00	.0	10	10	10
6	117.3	41.1	46.8	46.7	42.8	42.9	.75	.0	10	10	10
7	106.5	35.5	46.4	46.4	41.6	42.9	.05	.0	10	10	10
8	...	37.9	46.2	...	42.0	...	.04	...	9	9	10
9	...	...	...	...	...	...	...	...	10	10	10
10	...	...	...	...	...	...	...	...	10	10	10
11	...	...	...	...	...	...	...	...	10	9	8
12	121.9	...	46.0	46.0	42.6	43.0	*.45	...	7	9	10
13	114.5	34.2	46.0	46.0	42.3	42.9	.07	4.3	10	5	10
14	117.6	34.6	46.1	46.1	41.8	43.5	.14	0.8	10	10	10
15	112.0	37.6	46.1	46.1	42.0	41.9	.35	1.2	10	9	10
16	121.7	34.7	46.1	46.1	41.8	42.9	.05	4.9	9	10	10
17	85.2	37.8	46.1	46.1	41.8	41.9	.35	0.2	10	10	10
18	107.5	34.6	46.0	45.9	41.6	41.9	.79	.0	10	10	10
19	110.2	30.8	45.4	45.3	40.0	41.1	.14	.0	10	9	10
20	104.8	33.3	45.0	45.0	40.0	41.2	.08	.0	10	10	10
21	112.5	37.9	44.8	44.6	43.5	42.8	.20	.0	9	10	10
22	112.4	40.3	44.9	44.9	43.0	43.0	.10	0.7	10	10	10
23	98.5	36.6	45.0	45.0	41.7	42.1	.06	0.2	10	9	10
24	112.3	34.7	45.0	45.0	41.6	41.8	.34	0.5	9	10	10
25	117.7	35.4	44.9	44.9	41.4	42.7	.08	2.2	10	10	10
26	86.3	38.6	44.9	44.7	42.0	42.5	.20	.0	10	10	10
27	115.2	37.2	44.5	44.5	41.9	44.0	.26	4.0	10	0	10
28	114.2	42.1	44.7	44.7	42.9	43.5	.19	6.1	10	8	10
29	114.6	41.1	45.0	45.0	42.6	43.2	.14	3.0	10	10	8
30	112.2	32.4	45.3	45.3	41.2	42.8	.15	1.8	10	10	10
31	117.5	33.1	45.3	45.3	42.3	43.5	.05	0.2	10	10	10
Means†...	110.4	36.4	45.5	45.5	42.1	42.8	5.15	1.7	9.8	9.0	9.6
Extremes	{ 133.1	42.1	46.8	46.8	43.5	45.0	0.79	6.6	...	...	...
	{ ...	32.4	44.5	44.5	41.2	41.1	...	0.0	...	...	...

\* Rain from 9th to 12th inclusive.

† Mean 28 days.

‡ Means for 26 days only, all days from 8th to 12th inclusive omitted from means.

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND.

FEBRUARY, 1915.

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	124.8	38.5	45.2	45.2	43.5	44.3	.07	2.5	10	9	10		
2	87.5	37.5	45.2	45.2	42.3	43.8	.03	.0	10	10	10		
3	117.5	41.9	45.5	45.5	43.3	43.3	.39	.0	10	10	10		
4	114.7	35.3	45.5	45.3	41.8	42.8	.06	1.8	10	10	10		
5	77.3	35.2	45.3	45.3	42.8	43.0	.11	.0	10	10	10		
6	72.1	42.3	45.3	45.3	42.8	42.7	.18	.0	10	10	10		
7	116.5	39.5	45.2	45.2	42.8	43.5	.39	4.4	10	0	3		
8	116.9	38.5	45.4	45.5	43.8	44.0	.03	7.9	3	3	3		
9	115.1	38.9	46.0	46.0	43.3	45.3	...	7.6	10	3	5		
10	115.9	40.4	46.3	46.3	42.8	43.8	.14	2.9	10	4	10		
11	114.1	38.6	46.5	46.5	42.4	42.7	.14	0.4	10	10	10		
12	114.9	36.8	46.3	46.3	41.5	43.0	.11	0.9	10	8	8		
13	117.8	33.2	46.0	46.0	41.3	42.8	.23	3.0	6	10	10		
14	118.0	34.8	45.8	45.6	41.9	43.1	.68	3.2	6	6	3		
15	110.4	34.5	45.2	45.2	41.4	42.6	.05	.3	10	10	10		
16	72.0	38.2	45.1	45.0	42.5	42.4	.12	.0	10	10	10		
17	117.9	35.9	45.0	45.0	41.6	42.3	.14	1.6	10	10	6		
18	114.7	34.6	45.0	44.9	41.9	42.3	.05	4.8	10	10	4		
19	58.8	33.3	44.9	44.9	42.1	42.5	.04	.0	10	10	10		
20	115.2	38.9	44.9	44.9	42.1	43.0	.10	6.4	10	5	8		
21	112.8	32.2	45.0	45.0	42.1	42.9	...	4.9	7	9	8		
22	116.4	34.5	45.0	45.0	42.4	44.2	...	9.2	5	4	2		
23	99.8	32.9	45.3	45.3	42.0	43.5	...	0.9	10	10	10		
24	116.7	35.9	45.5	45.6	43.1	43.8	...	0.3	9	8	10		
25	93.5	41.5	45.7	45.8	43.8	43.0	.05	.0	10	10	10		
26	117.9	41.5	45.8	45.8	42.0	42.8	.07	3.0	10	10	10		
27	100.4	37.6	45.8	45.8	41.3	42.0	...	.0	10	10	10		
28	109.0	36.1	45.8	45.8	42.0	42.9	.04	6.8	0	8	10		
Means...	106.4	37.1	45.5	45.5	42.4	43.2	3.22	2.6	8.8	8.1	8.2		
Extremes	{ 124.8	42.3	46.5	46.5	43.8	45.3	0.68	9.2	...	...	...		
	...	32.2	44.9	44.9	41.3	42.0	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND.

MARCH, 1915.

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	118.7	37.9	45.7	45.6	42.9	43.9	.00	5.7	9	10	10		
2	55.9	41.0	45.8	45.9	42.0	42.2	.04	.0	10	10	10		
3	102.1	41.5	45.8	45.8	41.0	42.3	.37	.0	10	10	9		
4	108.7	25.5	45.8	45.7	42.0	42.0	.03	3.8	8	10	10		
5	107.9	36.4	45.7	45.5	41.5	41.9	.11	3.8	6	8	10		
6	96.3	33.5	45.2	45.2	40.5	41.3	.10	.0	10	10	10		
7	64.2	41.1	45.0	45.0	42.7	42.5	.09	.0	10	10	10		
8	100.6	41.9	45.0	45.0	41.9	42.9	.78	.0	10	9	10		
9	111.6	42.2	45.1	45.3	42.2	42.6	.27	0.9	10	10	8		
10	105.9	37.3	45.3	45.3	41.8	42.5	.06	0.8	10	4	10		
11	109.5	34.8	45.1	45.0	41.3	41.9	.25	4.2	5	4	3		
12	103.4	33.7	45.0	44.9	41.1	40.6	.08	1.2	10	3	7		
13	90.3	33.2	44.4	44.3	40.2	40.5	.10	0.1	10	10	10		
14	107.8	33.2	44.0	44.0	40.2	41.0	.05	1.3	8	10	10		
15	108.6	36.1	44.0	43.9	41.6	42.3	.00	0.7	8	10	5		
16	97.8	37.9	43.9	43.9	42.2	42.5	.03	0.5	9	10	4		
17	111.9	35.2	43.9	43.9	40.5	41.5	.08	3.4	8	10	10		
18	57.3	41.7	43.9	43.9	42.2	42.0	.35	.0	10	10	10		
19	85.8	43.1	44.0	44.0	42.6	41.9	.00	.0	10	10	10		
20	102.9	41.3	44.0	44.0	41.7	41.0	.06	1.9	6	10	10		
21	105.8	28.4	44.0	44.0	39.3	41.0	.11	5.0	4	5	10		
22	90.9	39.3	44.0	44.0	40.9	41.8	.04	0.1	10	10	10		
23	93.1	41.8	44.0	44.0	41.8	41.8	.03	.0	10	10	10		
24	72.1	39.6	44.0	44.0	41.8	42.4	.02	.0	10	10	10		
25	84.7	38.9	44.0	44.0	41.9	42.3	.23	.0	10	10	10		
26	88.1	40.2	44.0	44.0	41.9	41.3	.34	.0	10	10	5		
27	90.6	35.9	44.0	44.0	40.9	41.3	.06	.0	10	10	10		
28	106.3	32.0	44.0	43.9	40.4	40.5	.28	3.2	4	9	10		
29	109.9	31.3	43.3	43.2	39.3	40.0	.31	0.8	10	4	9		
30	95.2	32.5	43.0	42.9	40.2	41.0	.10	0.7	7	10	10		
31	88.0	25.5	42.6	42.6	40.0	40.3	.16	.0	10	5	7		
Means...	96.2	36.6	44.4	44.4	41.3	41.7	4.63	1.2	8.8	8.7	8.6		
Extremes	{ 118.7	43.1	45.8	45.9	42.9	43.9	0.78	5.7	...	...	...		
	... 25.5	42.6	42.6	39.3	40.0	40.0	0.0	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND.

APRIL, 1915.

Date.	Temperature (Fahrenheit).						Rainfall. in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	87.4	31.6	42.4	42.1	39.6	40.1	.39	.0	10	10	9		
2	99.7	27.1	42.0	41.9	38.7	39.3	.18	2.3	10	8	9		
3	88.8	28.2	41.1	41.0	39.8	40.1	.27	0.3	10	10	10		
4	102.8	34.1	41.0	41.0	40.8	40.3	.10	1.3	10	10	10		
5	98.6	32.9	41.0	41.0	39.5	40.1	.09	0.1	10	6	9		
6	98.6	31.4	40.9	40.9	38.7	39.4	.08	0.1	10	10	10		
7	59.2	33.1	40.8	40.8	40.9	41.0	.25	.0	10	10	10		
8	61.5	37.4	40.8	40.9	41.3	41.8	.08	.0	10	10	10		
9	59.7	39.6	41.0	41.0	41.5	41.9	.06	.0	10	10	10		
10	86.2	35.3	41.1	41.1	39.8	40.5	.21	1.1	5	9	8		
11	79.1	33.9	41.0	41.0	39.4	40.7	.00	0.1	9	10	10		
12	52.3	36.2	41.0	41.0	40.9	41.9	.03	.0	10	10	10		
13	81.7	42.3	41.0	41.0	41.7	41.7	.32	.0	10	10	10		
14	98.4	35.6	41.3	41.3	41.0	40.9	.32	3.0	3	10	8		
15	95.9	35.6	41.3	41.3	40.2	40.3	.12	0.8	9	6	3		
16	53.9	34.4	41.2	41.1	40.3	41.0	.16	.0	10	10	10		
17	76.2	39.1	41.2	41.2	40.7	40.7	.15	.0	10	10	10		
18	96.3	33.4	41.1	41.0	41.0	41.6	.27	.0	10	10	0		
19	88.3	37.4	41.2	41.3	41.7	41.3	.22	.0	10	3	10		
20	98.7	36.2	41.3	41.3	39.9	40.2	.08	.0	9	10	4		
21	65.9	32.2	41.3	41.2	39.2	38.8	.18	.0	9	10	8		
22	71.6	30.0	41.0	41.0	40.2	40.9	.00	.0	10	10	10		
23	90.2	41.8	41.0	41.0	41.9	41.9	.11	.0	10	8	10		
24	101.8	30.8	41.0	41.0	39.0	39.0	.09	.0	3	6	10		
25	66.7	34.6	40.9	40.9	40.1	41.0	.05	.0	10	10	8		
26	54.9	36.3	40.9	40.9	40.5	41.1	.04	.0	10	10	10		
27	94.8	36.0	40.9	40.9	40.6	40.8	.15	0.6	10	7	5		
28	90.6	31.8	40.9	40.8	39.0	39.3	.13	1.8	7	9	10		
29	91.2	32.4	40.6	40.5	39.3	39.4	.11	1.5	7	10	8		
30	98.1	26.2	40.1	40.0	38.0	38.7	.20	.0	10	5	5		
Means...	83.0	34.2	41.1	41.0	40.2	40.5	4.44	0.4	9.0	8.9	8.5		
Extremes	102.8	42.3	42.4	42.1	41.9	41.9	0.39	3.0	...	...	...		
	...	26.2	40.1	40.0	38.0	38.7	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND. MAY, 1915:

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.
			9 a.m.	3 p.m.		9 a.m.	3 p.m.				
1	85.5	30.3	39.0	39.8	39.8	39.8	31.	0	10	9	3
2	45.2	30.9	39.4	39.3	38.2	39.6	03	0	10	10	10
3	77.9	32.2	39.1	39.1	39.8	39.8	74	0	9	10	5
4	81.8	27.3	39.0	39.0	37.2	38.2	18	3.0	9	9	3
5	64.8	31.9	38.9	38.9	40.8	41.0	03	0	10	10	0
6	60.4	30.0	38.9	38.9	40.3	41.0	15	0	10	10	10
7	52.1	38.8	39.0	39.0	40.4	41.2	06	0	10	10	10
8	51.3	39.8	39.1	39.2	41.2	41.9	18	0	10	10	10
9	84.8	41.3	39.8	39.9	40.7	39.0	16	0	10	8	10
10	83.9	28.4	39.8	39.7	38.8	37.3	09	0.4	5	7	10
11	47.9	26.4	39.3	39.2	37.9	39.0	08	0	10	10	5
12	74.5	31.2	39.0	39.0	37.8	38.3	32	0	10	5	5
13	59.3	33.3	38.9	38.9	39.8	40.1	03	0	10	10	10
14	86.3	35.5	39.0	39.0	39.4	39.9	09	1.2	10	8	0
15	50.8	30.9	39.0	39.0	39.9	40.0	10	0	10	10	10
16	47.9	41.0	39.1	39.2	40.8	40.4	35	0	10	10	10
17	52.8	41.0	39.8	39.8	40.0	39.7	07	0	10	10	10
18	88.0	34.3	40.0	40.0	38.5	38.8	09	3.0	7	3	0
19	57.3	21.3	40.0	40.0	38.0	39.0	06	0	10	10	10
20	53.6	33.9	39.9	39.9	39.1	39.9	05	0	10	10	10
21	46.8	40.8	40.0	40.0	39.5	39.5	12	0	10	10	10
22	47.4	39.2	40.0	40.0	39.1	39.0	06	0	10	10	8
23	86.4	31.3	40.0	40.0	37.0	37.8	21	2.0	7	5	0
24	77.8	34.3	39.8	39.8	38.3	38.9	00	0	10	10	10
25	87.3	27.4	39.7	39.7	38.0	37.9	05	2.2	7	0	10
26	44.1	29.6	39.5	39.4	38.5	38.9	04	0	10	10	10
27	49.8	33.5	39.4	39.4	38.1	38.8	09	0	10	10	10
28	57.0	31.2	39.4	39.3	38.0	38.0	05	0	10	10	5
29	42.6	30.9	39.1	39.1	37.2	37.5	05	0	10	10	10
30	46.6	30.1	39.0	38.9	37.9	38.4	03	0	10	10	10
31	62.9	35.7	38.9	38.8	39.3	39.0	08	0	10	10	7
Means...	63.1	33.1	39.4	39.4	39.0	39.3	3.95	0.4	9.5	8.8	7.5
Extremes	{ 88.0	41.9	40.0	40.0	41.2	41.9	0.74	3.0	...	...	...
	... 21.3	38.9	38.8	37.0	37.3	...	0.0	0.0	...	...	...

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

JUNE, 1915.

Date.	Temperature (Fahrenheit).							Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.					9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.								
1	46.2	35.1	38.9	38.9	40.2	40.2	.10	.0	10	10	10	10		
2	73.4	38.4	39.0	39.0	40.7	40.8	.03	.0	10	10	10	10		
3	48.3	40.2	39.1	39.1	41.8	41.1	.03	.0	10	10	10	10		
4	45.4	35.0	39.4	39.6	40.2	40.3	.02	.0	10	10	10	10		
5	44.3	37.4	39.8	39.8	39.6	39.9	.03	.0	10	10	10	10		
6	46.0	39.4	39.8	39.8	40.9	40.8	.07	.0	10	10	10	10		
7	56.5	41.5	40.0	40.0	40.9	40.3	.06	.0	10	10	10	10		
8	45.0	31.2	40.0	40.0	38.4	38.0	.03	.0	8	10	10	7		
9	67.0	23.3	39.5	39.2	36.5	37.0	.09	.0	10	9	10	10		
10	80.1	29.9	39.0	38.9	37.8	37.1	.11	.0	10	10	10	10		
11	45.8	31.4	38.7	38.7	38.9	38.9	.18	.0	10	10	10	10		
12	70.8	27.9	38.3	38.2	37.5	37.1	.24	.0	10	5	3	3		
13	64.4	24.8	38.0	38.0	35.1	35.7	.23	.0	10	10	9	9		
14	43.7	23.8	37.8	37.7	39.1	38.1	.25	.0	10	10	7	7		
15	52.5	24.1	37.3	37.2	36.9	36.8	.25	.0	10	10	3	3		
16	44.3	26.4	37.1	37.0	39.9	39.7	.45	.0	10	10	0	0		
17	42.0	26.1	36.9	36.9	38.8	38.0	.28	.0	10	10	9	9		
18	34.6	24.0	36.7	36.6	37.0	36.9	.18	.0	10	10	8	8		
19	48.0	23.3	36.3	36.1	36.0	37.0	.04	.0	8	10	10	10		
20	73.3	28.2	36.0	36.0	38.0	38.8	.03	.0	9	10	0	0		
21	55.8	26.6	36.0	36.0	38.2	38.7	.00	.0	10	10	10	10		
22	76.8	33.1	36.0	36.0	39.2	39.6	.03	.0	10	10	10	10		
23	52.0	36.1	36.0	36.0	39.2	39.4	.03	.0	10	10	5	5		
24	48.1	36.8	36.4	36.7	39.2	39.3	.13	.0	10	10	10	10		
25	50.6	36.9	37.0	37.2	39.2	39.5	.14	.0	10	10	10	10		
26	55.3	37.2	37.4	37.4	39.2	39.0	.05	.0	10	10	10	10		
27	55.3	29.4	37.5	37.5	38.8	39.2	.02	.0	10	10	10	10		
28	46.1	36.1	37.6	37.7	39.0	39.4	.08	.0	10	10	10	10		
29	78.7	33.3	37.9	37.9	38.8	39.0	.23	.0	7	2	2	2		
30	80.1	36.1	37.9	37.9	39.2	39.3	.03	.0	5	9	9	10		
Means ...	55.7	31.8	37.9	37.9	38.8	38.8	3.44	0.0	9.5	9.5	7.8			
Extremes ...	80.1	41.5	40.0	40.0	41.8	41.1	0.45	...	...	...	...	...		
	...	23.3	36.0	36.0	35.1	35.7	...	0.0	...	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—continued.  
MACQUARIE ISLAND.

JULY, 1915.

Date.	Temperature (Fahrenheit).							Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).		
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.		9 a.m.	3 p.m.	9 a.m.	3 p.m.	9 p.m.	
			9 a.m.	3 p.m.		9 a.m.	3 p.m.					
1	48.0	32.7	37.9	37.9	38.8	39.0	-15	0	10	10	10	
2	49.3	38.1	38.0	38.0	39.8	39.9	-12	0	10	10	10	
3	43.5	33.3	38.0	38.0	37.8	37.9	-05	0	10	10	10	
4	51.0	32.9	38.0	38.0	40.1	40.4	-05	0	10	10	10	
5	47.3	41.1	38.1	38.2	40.4	40.4	-06	0	10	10	10	
6	77.8	34.2	38.6	38.7	38.9	38.4	-22	0	10	5	3	
7	71.0	28.8	38.6	38.5	37.8	37.7	-04	0	10	10	10	
8	46.4	22.8	38.0	38.0	37.8	37.5	-02	0	10	10	10	
9	68.6	32.0	37.8	37.6	37.9	37.5	-06	0	10	8	8	
10	45.5	31.2	37.3	37.3	39.2	39.4	-04	0	10	9	8	
11	67.3	28.3	37.3	37.3	37.7	37.8	-14	0	5	10	10	
12	71.6	29.8	37.2	37.2	38.3	37.8	-20	0	5	7	10	
13	63.7	27.0	37.1	37.0	36.8	37.8	-06	0	3	10	3	
14	68.0	27.1	37.0	37.0	36.9	37.8	-12	0	10	10	10	
15	83.2	32.1	37.0	37.0	38.0	38.0	-16	0	10	10	0	
16	50.9	32.6	37.0	37.0	38.8	39.5	-13	0	10	10	10	
17	84.5	37.8	37.0	37.0	39.4	39.8	-05	0	10	10	10	
18	82.6	30.4	37.2	37.3	37.9	38.2	-05	0.2	10	10	10	
19	55.8	34.1	37.3	37.3	39.1	39.7	-12	0	10	10	10	
20	43.8	38.1	37.6	37.8	39.4	39.9	-02	0	10	10	10	
21	70.5	34.8	38.0	37.9	39.0	38.7	-20	0	10	10	10	
22	75.1	28.8	37.9	37.9	38.7	39.6	-02	0	10	10	9	
23	81.4	28.2	37.8	37.8	38.5	39.1	-06	0.8	2	10	10	
24	84.9	33.8	37.8	37.7	39.4	38.8	-17	2.7	10	5	5	
25	57.2	32.0	37.7	37.7	39.3	39.5	-06	0	10	10	10	
26	70.8	37.2	37.9	37.9	40.3	39.5	-04	0	10	0	10	
27	60.9	35.1	38.0	38.0	39.4	40.0	-02	0	10	10	10	
28	82.9	36.1	38.1	38.1	39.3	39.1	-15	0.5	5	3	5	
29	80.3	30.8	38.1	38.1	38.0	38.8	-02	0	7	4	10	
30	82.3	23.1	38.0	38.0	36.4	37.3	-36	0	9	10	7	
31	87.7	21.9	37.5	37.2	35.8	36.0	-17	0	10	10	10	
Means...	66.5	31.8	37.7	37.7	38.5	38.7	3.93	0.1	8.9	8.7	8.6	
Extreme:	{ 87.7	41.1	38.6	38.7	40.4	40.4	0.86	2.7	...	...	...	
	{ ...	21.9	37.0	37.0	35.8	36.0	...	0.0	...	...	...	

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND.

AUGUST, 1915.

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	74.2	21.8	37.0	37.0	36.3	37.0	.19	0	10	10	10		
2	78.5	23.2	36.7	36.7	37.0	37.4	.03	0	10	10	10		
3	49.5	31.8	36.4	36.3	37.4	37.9	.07	0	10	10	10		
4	89.8	31.7	36.0	36.0	38.0	38.7	.13	0	10	8	10		
5	59.2	30.9	36.0	36.0	39.8	40.4	.04	0	10	10	10		
6	79.7	30.8	36.3	36.6	39.8	39.9	.09	0.5	10	7	10		
7	43.4	29.0	36.9	36.9	38.4	38.4	.04	0	10	10	10		
8	65.8	27.2	36.7	36.6	38.2	38.8	.00	0	10	10	10		
9	57.0	31.3	36.3	36.3	39.0	39.8	.07	0	10	10	10		
10	51.9	33.3	36.5	36.7	40.1	40.5	.09	0	10	10	10		
11	88.0	35.4	37.0	37.0	40.2	40.8	.19	0	10	10	10		
12	52.6	39.4	37.3	37.4	40.7	41.0	.13	0	10	10	10		
13	51.0	32.9	37.5	37.9	39.1	39.8	.19	0	10	10	10		
14	103.8	36.3	38.0	38.0	40.2	40.4	.03	0	10	10	10		
15	44.7	29.8	38.0	38.0	39.8	39.9	.03	0	10	10	10		
16	57.2	37.6	38.0	38.1	41.0	40.3	.15	0	10	10	10		
17	97.7	34.8	38.4	38.6	40.2	40.8	.02	2.4	0	9	9		
18	64.9	32.1	38.8	38.8	40.3	40.6	.03	0	10	10	10		
19	61.0	30.1	38.8	38.9	40.8	40.9	.03	0	10	10	10		
20	91.9	33.4	39.0	38.9	39.8	39.0	.11	1.6	10	10	10		
21	64.3	31.2	38.9	38.9	39.6	40.1	.03	0	10	10	7		
22	84.7	31.7	38.8	38.7	38.5	38.6	.15	0	8	10	5		
23	54.5	30.3	38.3	38.3	39.1	38.8	.32	0	10	10	10		
24	93.4	32.1	38.1	38.0	38.8	39.0	.31	0	10	5	9		
25	86.5	31.9	38.0	38.0	38.6	39.9	.13	0	10	9	10		
26	78.9	37.8	38.0	38.0	39.8	40.3	.00	0	10	10	10		
27	58.9	30.8	38.2	38.3	40.2	40.3	.03	0	10	10	10		
28	53.0	34.6	38.8	38.8	39.6	39.5	.06	0	10	10	10		
29	61.3	37.9	39.0	39.0	39.0	39.0	.35	0	10	10	10		
30	81.3	29.3	39.0	39.0	37.8	37.1	.64	0.3	9	9	4		
31	67.4	23.0	38.5	38.4	35.8	36.0	.05	0	10	10	10		
Means...	69.2	32.5	37.7	37.7	39.1	39.4	3.73	0.2	9.6	9.6	9.5		
Extremes	{ 103.8	39.8	39.0	39.0	41.0	41.0	0.64	2.4	...	...	...		
	...	21.8	36.0	36.0	35.8	36.0	...	0.0	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND. SEPTEMBER, 1915.

Date.	Temperature (Fahrenheit).						Rainfall. in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	88.8	28.2	38.0	37.9	37.0	37.4	.04	.0	10	8	10		
2	64.8	32.4	37.7	37.7	38.3	39.0	.03	.0	10	10	10		
3	71.4	38.0	37.8	38.0	38.9	39.2	.15	.0	10	10	10		
4	103.8	34.2	38.0	38.0	38.5	39.0	.04	.0.9	10	10	10		
5	95.6	19.3	38.1	38.0	36.4	36.1	.25	.6	10	10	2		
6	90.2	25.3	37.9	37.8	37.9	37.9	.05	1.1	10	9	0		
7	83.9	22.2	37.7	37.5	38.1	39.5	.04	0.1	10	10	10		
8	98.1	36.0	37.7	38.0	38.8	39.0	.13	2.4	7	10	2		
9	60.7	37.8	38.0	38.0	39.3	39.7	.02	.0	10	10	10		
10	46.5	39.9	38.0	38.0	39.2	39.2	.20	.0	10	10	10		
11	64.7	37.4	38.6	38.7	39.0	39.0	.08	.0	10	10	10		
12	107.0	33.0	38.8	38.8	39.7	40.1	.05	1.9	10	9	10		
13	87.4	32.9	39.0	39.0	39.8	40.0	.02	0.3	10	10	10		
14	78.8	35.3	39.0	39.1	40.0	40.0	.03	.0	10	9	10		
15	53.6	40.0	39.1	39.2	39.9	39.5	.15	.0	10	10	10		
16	86.2	38.9	39.4	39.5	39.3	39.6	.38	.0	10	10	10		
17	113.6	33.3	39.6	39.8	40.6	41.6	.14	6.8	8	3	10		
18	103.0	34.2	40.0	40.0	39.8	40.8	.05	.0	10	10	10		
19	92.8	29.3	40.0	40.1	39.1	38.9	.11	1.7	7	5	5		
20	89.7	31.4	40.0	40.0	38.8	39.8	.08	.5	7	10	10		
21	68.3	37.2	40.0	39.8	39.5	40.0	.08	.0	10	10	10		
22	74.4	38.2	39.9	40.0	39.9	40.2	.05	0.3	10	10	10		
23	99.7	38.3	40.0	40.0	39.8	40.8	.11	.0	10	6	10		
24	70.4	31.7	40.1	40.2	39.8	40.6	.03	.0	10	10	10		
25	104.2	38.8	40.2	40.3	40.9	40.8	.03	0.6	10	10	7		
26	74.9	37.7	40.6	40.7	40.3	40.3	.23	.0	10	10	10		
27	86.4	39.1	40.8	40.8	40.3	40.5	.17	.0	10	10	10		
28	70.5	34.2	40.8	41.0	39.3	39.6	.02	.0	10	10	10		
29	101.5	36.1	40.9	40.8	39.7	39.8	.48	1.8	9	7	3		
30	101.1	30.3	40.7	40.4	38.3	39.0	.05	.0	10	5	10		
Means	84.4	34.0	39.2	39.2	39.2	39.6	3.29	0.6	9.6	9.1	8.6		
Extremes	{ 113.6	40.0	40.9	41.0	40.9	41.6	0.48	6.8	...	...	...		
	... 19.3	37.7	37.5	36.4	36.1	...	0.0	...	...	...	...		

Table X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND. OCTOBER, 1915.

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature:		Sea Temperature.				0 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	85.5	37.0	40.5	40.5	39.9	40.3	.30	0	10	10	10		
2	106.8	38.8	40.6	40.7	40.6	41.3	.15	1.4	9	10	10		
3	94.2	34.0	40.9	40.9	39.6	39.9	.00	0	10	10	10		
4	56.4	30.0	41.0	40.9	38.0	38.3	.15	0	10	10	10		
5	110.3	26.2	40.4	40.1	38.1	38.5	.05	1.4	10	7	10		
6	101.3	30.4	40.0	40.0	39.5	39.8	.00	0	10	10	10		
7	103.6	40.2	40.0	40.0	40.7	40.8	.00	0	10	10	10		
8	106.8	34.3	40.3	40.4	39.4	39.6	.15	1.2	10	7	10		
9	71.9	30.1	40.8	40.8	39.2	39.9	.00	0	10	10	10		
10	100.4	36.1	41.0	40.9	40.7	40.8	.12	0	10	9	10		
11	80.6	30.3	40.9	40.9	38.5	38.7	.10	0	10	10	10		
12	70.2	35.2	40.7	40.7	40.7	40.7	.50	0	10	10	10		
13	68.5	31.7	40.5	40.4	38.5	39.0	.17	0	10	10	10		
14	116.2	31.5	40.3	40.3	39.4	40.5	.07	2.3	10	2	10		
15	102.4	38.2	40.7	40.9	40.8	41.2	.07	0	10	10	10		
16	106.3	36.2	41.0	41.0	39.9	40.2	.16	1.5	7	7	10		
17	118.2	31.0	41.0	41.0	38.8	38.0	.10	4.7	2	9	2		
18	53.7	21.4	41.1	41.1	36.5	35.8	.07	0	10	10	10		
19	75.6	26.3	40.9	40.9	34.8	34.8	.05	0	10	10	10		
20	93.8	28.1	40.0	40.0	37.0	38.8	.05	0.1	10	10	5		
21	109.7	25.1	39.7	39.6	35.9	37.3	.14	0.2	10	9	10		
22	114.3	33.4	39.3	39.3	37.8	38.5	.19	0.8	10	10	10		
23	104.3	36.3	39.7	39.7	38.3	38.9	.07	0	10	10	10		
24	108.9	33.5	39.9	39.9	38.4	37.3	.05	3.0	7	10	9		
25	112.1	24.1	39.9	39.9	35.5	36.9	.10	0.8	9	8	10		
26	115.3	24.4	39.5	39.3	36.5	37.6	.33	6.2	7	10	10		
27	82.2	27.6	39.0	39.0	36.5	37.3	.06	0	10	10	10		
28	112.8	35.0	38.9	38.9	38.2	39.6	.00	0.3	10	10	10		
29	110.7	37.1	39.0	39.3	39.7	41.6	.02	9.7	0	0	10		
30	110.5	31.4	40.0	40.3	38.9	40.4	.00	1.1	9	7	10		
31	109.4	32.7	41.0	41.0	38.3	40.0	.02	0.1	10	10	10		
Means	97.2	31.9	40.3	40.3	38.5	39.1	3.24	1.1	9.0	8.9	9.5		
Extremes	{ 118.2	40.2	41.1	41.1	40.8	41.6	0.33	9.7	...	...	...		
	{ ...	21.4	38.0	38.0	34.8	34.8	...	0.0	...	...	...		

TABLE X.—ADDITIONAL OBSERVATIONS—*continued.*  
MACQUARIE ISLAND. NOVEMBER, 1915.

Date.	Temperature (Fahrenheit).						Rainfall in Inches.	Hours of Sunshine.	Amount of Cloud (0-10).				
	Solar Maximum.	Terrestrial Minimum.	Earth Temperature.		Sea Temperature.				9 a.m.	3 p.m.	9 p.m.		
			9 a.m.	3 p.m.	9 a.m.	3 p.m.							
1	89.5	30.9	41.0	41.0	39.7	39.6	.02	0.1	10	10	10		
2	111.4	35.2	41.1	41.1	38.8	41.3	.07	0.8	10	9	9		
3	112.6	37.3	41.3	41.3	38.5	40.0	.03	4.0	7	9	0		
4	111.8	34.9	41.8	41.9	39.0	41.0	.04	9.2	0	3	10		
5	90.5	31.4	42.1	42.1	42.5	38.5	.21	0	10	10	10		
6	114.2	34.3	42.3	42.3	38.5	39.5	.07	4.8	3	10	10		
7	112.2	31.1	42.3	42.3	39.0	38.9	.03	4.8	2	10	2		
8	113.5	23.5	42.3	42.3	39.4	39.4	.03	9.2	3	7	3		
9	100.2	31.1	42.3	42.3	38.3	39.2	.07	0.4	9	10	10		
10	119.9	33.1	42.3	42.3	39.3	39.9	.12	0.3	10	10	8		
11	107.3	29.7	42.3	42.3	39.8	41.0	.03	0.2	10	9	10		
12	115.5	34.3	42.7	42.8	40.0	40.3	.08	2.3	10	10	10		
13	106.3	38.4	43.0	43.0	40.0	40.7	.26	1.4	10	10	10		
14	119.0	38.8	43.1	43.2	38.7	40.3	.21	2.2	10	10	10		
15	132.8	35.8	43.4	43.7	40.2	40.6	.03	2.7	5	10	10		
16	129.3	31.8	43.8	43.9	39.0	40.8	.08	5.6	8	9	8		
17	101.1	30.8	43.8	43.8	39.9	40.0	.06	0.4	10	9	2		
18	117.3	32.8	43.5	43.5	39.0	40.0	.35	2.6	10	7	7		
19	118.0	30.9	43.4	43.2	40.0	42.0	.11	8.6	5	4	2		
20	97.9	35.5	43.7	43.6	40.0	41.2	.03	0	10	10	10		
21	103.2	39.2	43.8	43.7	40.6	40.9	.03	0.4	10	8	7		
22	116.6	31.3	43.7	43.7	41.1	42.3	.02	1.2	10	9	10		
23	77.5	41.1	44.0	44.0	41.2	41.7	.26	0	10	10	10		
24	114.3	32.0	44.0	44.0	40.0	42.1	.43	0.3	10	9	10		
25	124.3	37.3	44.0	44.0	42.5	39.9	.00	7.1	8	5	10		
26	107.7	34.5	44.1	44.2	41.9	42.1	.12	0	10	10	10		
27	112.3	34.6	44.3	44.3	43.4	44.3	.23	4.1	10	5	10		
28	116.8	39.2	44.7	44.8	43.7	44.8	.16	10.0	0	0	8		
29	117.2	31.9	45.0	45.0	42.5	43.6	.16	1.4	10	10	10		
30	126.8	37.5	45.2	45.2	41.8	42.5	.02	3.3	10	7	9		
Means...	111.5	34.0	43.1	43.2	40.3	41.0	3.36	2.9	8.0	8.3	8.2		
Extremes	{ 132.8	41.1	45.2	45.2	43.7	44.8	0.43	10.0	...	...	...		
	... 23.5	41.0	41.0	38.3	38.5	...	0.0	0.0	...	...	...		

TABLE XI.

DAILY WEATHER REMARKS.

## MACQUARIE ISLAND.

## Table XI.—DAILY WEATHER REMARKS.

JANUARY, 1912.

## Date:

## Remarks:

- 1 Heavily clouded all day. Foggy on hills. Misty shower at 10 a.m. Very light misty rain in evening with a smart shower at 7 p.m. S.S.W. to W. wind mod. to strong. Mild.
- 2 Fine sunny morning but rather cloudy with a light N.W. wind. Overcast in afternoon with fresh N.W. wind and becoming misty. Light shower at 2.30 p.m. Overcast in evening with a strong N.N.W. wind. Hill tops fogged. Cloud moving rapidly. Showers at infrequent intervals. Mild Temp. No sun after noon.
- 3 Overcast with a strong Northerly wind which increased to a mod. Gale in the afternoon and blew throughout the night. Hill tops fogged all day. Misty in evening. Light misty rain in afternoon and evening. Clouds very low and travelling very fast. Mild Temp. Sun not seen all day.
- 4 Overcast in the morning with a mod. North Gale which weakened at noon for a short time, but afterwards blew a fresh Gale from N.W. till 7 p.m. when it backed to N.N.W. and abated somewhat. Rain (steady) fell from 10 a.m. till 2 p.m. when the sky cleared rapidly. Very little cloud in late afternoon, but overcast from 7.30 p.m. Mild Temp.
- 5 Fine but cloudy with a strong N.W. wind till noon. Overcast with a light N.W. wind in afternoon. Few spots of rain at 2 p.m. Overcast and dull in evening with a very light N.N.W. air. Sky red tinted at 7 p.m. Dew falling in late evening. Mild Temp.
- 6 Smart shower at 7.30 a.m., otherwise Fine, but heavily clouded. Sunny at 7 a.m., but not seen rest of the day. Misty on hills in afternoon and evening. Very light rain at 6 p.m. Mild during day but rather cold in evening. Light N.W. air in morning developed into light wind which blew throughout the afternoon and evening.
- 7 Light rain with a fresh N.N.E. wind during the morning. Overcast and dull with a fresh N. wind and occasional very light showers in afternoon. Fine in the evening but overcast and dull with a strong cool W.N.W. wind. Mild Temp. Red tinted sky at 9 p.m. Westerly Gale sprang up at 10.30 p.m.
- 8 Overcast and dull with a mod. Westerly Gale during the day. Shower at 7 a.m. Sun showed for short periods at rare intervals. Very rapid cloud movement. Strong W.N.W. wind during evening and densely overcast. Mod. Temp.
- 9 Mod. N.W. wind with light rain in early hours. Strong and increasing N.N.W. wind in afternoon. Mild Temp. Cirrus cloud from North plentiful all day. Mod. N.N.W. Gale in evening with dull overcast sky. Cirrus moving from N.W. at 5 p.m.
- 10 Overcast with fresh N.N.W. Gale in morning. Wind dropped rapidly during the day and it was almost calm during the evening. Dense Scotch mist lasted all day from 9.30 a.m. Mild Temp. Mist very dense during the evening. Light rain fell at 6 p.m.
- 11 Very light cool South wind in morning with light showers. Light cool S.W. wind in afternoon with a dull overcast sky. Reddish sky in evening with a light N.N.W. air. Sun not seen all day.
- 12 Bright sunny morning with a v. light N.W. wind. Solar Halo well defined red visible at 1 p.m. Mild Temp. Fresh N.N.W. wind after noon which increased to a mod. North Gale in evening. Light shower at 8 p.m. Misty on hills at night. Ci. Str. from N.W. at 3 p.m.
- 13 Very cloudy with a mod. W.N.W. Gale. Hail at 8 a.m. Rain at intervals all night. Squally showery westerly weather in afternoon. Cold squally mod. S.W. Gale with hail and rain in evening. Rainbow at 5.15 p.m. Primary and secondary Rainbows at 6 p.m. Sun showed occasionally.
- 14 Cloudy with a strong N.W. wind all day. Showers at 10.30 a.m. and 1.30 p.m. Mod. N.W. wind with very light misty rain in evening. Hill tops obscured. S.W. Gale in early hours of morning with hail and rain.
- 15 Mod. to fresh West wind during the day. Showers in early hours. Misty showers later. Very light W.N.W. wind in evening. Hail squall at 6.15 p.m. Ill-defined afterglow. Sun showed brightly at intervals during the afternoon.
- 16 Fresh W.N.W. wind in forenoon. Shower at 8.15 a.m. Dull and overcast in afternoon with few drops of rain and mod. N.W. wind. Fine but cloudy in evening with a light N.W. wind. Ci. Cu. at 7.30 p.m. from N.W.
- 17 Fresh Westerly wind till 8 a.m. then it weakened considerably. Mild Temp. Light shower at 11.45 a.m. Very light W. to W.S.W. wind in afternoon and evening with occasional squalls. Light rain in evening. Hail at 8 p.m. Cold night. Ci. from W. at 9 a.m. Ci. Cu. from N.W. at 3 p.m.
- 18 Very light W. to N.W. air in early morning. Mild Temp. Light to mod. W.N.W. wind in afternoon till 4.30 p.m. when it changed to West and later to W.S.W. with falling Temp. Light shower at 10.30 a.m. Hail at 6.30 p.m. Few drops of rain at 7 p.m. A Str. Mac. sky at 7.30 p.m. Heavily clouded all day.
- 19 Strong E.S.E. wind with light rain from 5 a.m. At 10.30 a.m. wind dropped and a calm lasted till 2 p.m. when it quickly worked up to a strong Southerly Gale which blew with but slight moderation till midnight. Misty sleety rain nearly all day. Rather cold. A rough day. Sun not seen.
- 20 Fresh cold S.W. wind in morning with some strong gusts. Snow at 8.30 a.m. Fresh S.W. to W.S.W. wind in afternoon with snow and hail at 2.50 p.m. Cold evening with a fresh S.W. wind. Hail and some snow flakes at 6 p.m. and 7.30 p.m. Heavily clouded. Ci. Str. from W. at 9 a.m. Sun showed occasionally.
- 21 Fresh cold S.W. wind in early hours moderated at 4 a.m. and went through W. to N.W. and later to N.N.W. increasing in force at 5 p.m. with some very strong gusts during the night. Drizzling misty rain fell through afternoon and evening. Mild Sun showed occasionally in forenoon.
- 22 Wind dropped to mod. Northerly at 1.30 a.m. and blew lightly from between N. and N.N.E. throughout the day. Very light rain from 2 p.m. till 5 p.m. Cloud forming on West Point and capping the hills. Heavily clouded in evening. Fine sunny morning. Mild.
- 23 Light to mod. N.W. wind all day. Smart showers at 6 a.m. Hills cloud capped. Showery till noon. Overcast in evening with misty rain. Bar. rising persistently during day with a N.W. wind. Mod. West wind in late evening. Ci. Cu. from N.W. at 3 p.m. Very cloudy throughout.
- 24 Almost calm all day. Bright and sunny but cloud areas showing. Solar Halo at 10 a.m. (white ring). Fair colouring. Umbrella shaped cloud bank over hills. Few drops of rain at 6 p.m. A glorious day. Temp. very mild. Ci. cloud moving from N.W. during the day.
- 25 Very light S.E. wind throughout the day. Bright and sunny. Umbrella shaped cloud over hills. Overcast and misty in evening. Very heavy clouds. Ci. Cu. from N.W. very slowly at 9 a.m. Ci. Cu. plentiful at 5 p.m. Mild.
- 26 Light to mod. S.E. wind throughout the day. Showers during early hours. Very cloudy all day with sun showing occasionally. Clear atmosphere. Few drops of rain at 7 p.m. Mild.
- 27 Very light air all day—from S.E. in morning and from N.W. in afternoon the latter increasing to a light wind in evening. Very cloudy in early morning but bright and sunny the rest of the day. Very cloudy in N.W. and W. in evening. Mild.
- 28 Light to mod. N.W. wind throughout the day. Very cloudy with sun showing occasionally. Misty rain in evening. Hills obscured by mist driving before the wind. Mild.
- 29 Mod. N.W. wind increased during day to a mod. Gale at 7 p.m. Misty. Cloud forming on hills. Rain squalls during evening. Hills cloud capped. Mild.
- 30 Mod. N.W. wind in early morning went to West at noon and blew lightly for the rest of the day. Smart shower at 10.30 a.m. Bright sunny afternoon with a shower at 4.30 p.m. Very cloudy in evening. Mild.
- 31 Strong N.W. wind sprang up at 5 a.m. and increased rapidly to a mod. Gale which blew throughout the day. Light rain all day. Mist driving with the wind. Hills fogged. Mild.

Table XI.—DAILY WEATHER REMARKS—continued:

## MACQUARIE ISLAND.

FEBRUARY, 1912.

- Date. Remarks.
- 1 Overcast in morning with a mod. West wind. Last night's Gale abated at 6 a.m. In afternoon wind backed through W.N.W. and blew fresh from N.W. throughout the night. Light misty rain from 10 a.m. Mild. Hills obscured by drifting mist.
  - 2 Fresh to strong West wind all day. Heavily clouded with sun showing for short periods at rare intervals. Mild. Clear air during day but misty on hills in evening.
  - 3 Fine but cloudy all day with a fresh Westerly wind which dropped to very light air in evening. Sun showed occasionally. Mod. day Temp., but rather cold night. Roller cloud in S.E. and E. in the morning. Ci. Str. moving from W.N.W.
  - 4 Raining with a mod. Easterly wind and occasional squalls occurred. Wind veered to North in late afternoon and a dense mist enveloped the Island. No sun all day. Rather cold in forenoon but milder later. Occasional showers in evening.
  - 5 Strong N.W. wind sprang up at 1.30 a.m. and increased to a strong Gale which blew throughout the day, veering to West in the afternoon. Rather cold. Rain squalls. Misty in forenoon. Very high sea. Spray blowing across the Isthmus.
  - 6 Westerly Gale began to moderate at 7 a.m. and at 9 p.m. was blowing only a mod. breeze. Squally and showery with hail at frequent intervals throughout the day. Sun showed occasionally. Smart shower at 5.30 p.m. Cold.
  - 7 Mod. to fresh S.W. wind throughout the day with passing hail squalls. Bright sunny periods. Cold. Clear air.
  - 8 Light to fresh squally S.W. wind all day with showers and hail squalls. Sun showing at intervals. Heavily clouded. Cold. Mist on hills.
  - 9 Mod. S.W. to W.S.W. wind throughout the day with frequent showers. Squally with some smart showers in evening. Rather cold. Misty on hills in late evening. Very heavily clouded. Sun showed at rare intervals.
  - 10 Light W. to W.N.W. wind all day with a dense mist. Light misty rain in forenoon. Mist not so dense in afternoon and evening. Mild showers fell during the early hours.
  - 11 Light W.N.W. wind to N.W. wind throughout the day. Dense driving mist till 2 p.m. Cloudy and dull later. Sun not seen. Mild Temp. Misty on hills in evening.
  - 12 Light to fresh N.W. wind with occasional light misty showers. Sun shone brightly from 3.30 p.m. till 4.30 p.m. Otherwise overcast and dull. Perfectly clear sky at 10.30 p.m. Mild.
  - 13 Very light N.W. wind but densely clouded. Sun showed at intervals in afternoon. Shower at 1.30 p.m. Calm sea. Very dull in evening. Warm.
  - 14 Light S. to S.S.W. wind throughout the day with hail and rain. Very cloudy but sun showed occasionally. Rather cold.
  - 15 Light W. to N.W. wind all day with clear air in morning but misty in late afternoon and evening. Misty showers at 2 p.m., 5.30 p.m. and 10.30 p.m. No sun all day. Hills cloud-capped. Mild. Showery in early hours.
  - 16 Light to mod. N.W. wind throughout the day with a dense driving mist till 2.30 p.m. Became densely misty again at 5 p.m. Raw Temp. but milder in evening.
  - 17 Fresh N.W. wind with a dense mist till 1 p.m. when wind veered to W.N.W. and by 2 p.m. mist had disappeared. Sun showed for a while at 4 p.m. Calm in evening. Mod. Temp. but milder in evening.
  - 18 Very light S. to S.S.W. wind throughout the day. Showery in early morning and during late afternoon and evening. Very cloudy all day. Rather cold.
  - 19 Very light to fresh N.W. to N.N.W. wind with frequent showers in afternoon and evening. Fine bright morning with very little cloud. Mod. Temp. Misty on hills in evening.
  - 20 Very light N.W. wind in morning with showers till 8 a.m. Fine and bright with clear air till noon when wind veered through W. backing to S.S.W. in the evening and bringing continuous rain after 6 p.m. Falling Temp. Rather cold night.
  - 21 Fresh S.W. wind with light rain squalls in forenoon. Light W.S.W. to W. wind in afternoon and evening. Few drops of rain at frequent intervals. Overcast all day. Rather cold.
  - 22 Light W.N.W. wind in forenoon with misty showers. Misty in afternoon and almost calm. Fresh cold Southerly wind with few drops of rain in the evening. Cold night.
  - 23 Overcast and dull in morning with light cool S.W. wind which later veered through W.S.W. to W. by evening. Fine but cloudy in afternoon with sun showing brightly. A bright cool day. Overcast in evening. Hail at 10.30 a.m. Rather cold.
  - 24 Light-to strong W. to N.W. wind during the day, with an increase in strength from the latter point in the evening. Mild. Overcast throughout with light rain in evening. A light shower at 8 a.m.
  - 25 Raining and blowing strongly from N.W. during early morning. A dense mist covered the Island at 10 a.m. lasting till 5 p.m. The sun then showed till 6 p.m., but at 6.30 p.m. dense mist again enveloped the Island. Mild Temp. Light N.N.W. wind in evening.
  - 26 Heavily clouded all day with a mod. to light W.N.W. to West wind. Light showers at 2.30 p.m. and 8.30 p.m. Mild. Clear air in evening.
  - 27 Light to fresh N.W. wind throughout the day going into N.N.W. in late evening. Overcast and dull with hills fogged. Mild.
  - 28 Fresh North wind in early morning backed to N.N.E. and increased to a fresh Gale at 4.30 p.m. At 5 p.m. it began to veer and at 9 p.m. it had moderated to a fresh W.N.W. wind. Misty in morning. Light rain in afternoon. Fine with very little cloud in evening. Ci. Ventosus at 9 p.m. from North.
  - 29 Fine but cloudy with a mod. N.W. to W.N.W. wind. Misty on hill tops. Mild. Almost clear in evening.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

MARCH, 1912.

## Date:

## Remarks:

- 1 Mod. W.S.W. to W. wind. Showers in early hours. Fine but cloudy with bright sunny periods during day. Heavily clouded in evening with smart showers at 5 p.m. and 9.15 p.m. Mod. Temp. Several extremely light showers fell between 9 a.m. and 3 p.m.
- 2 Fresh W.S.W. wind during the day and densely cloudy. Sun showed at rare intervals. Shower at 10.30 a.m. Mod. Temp. Light Westerly wind in evening with a sky almost clear. Clear air. Ci. from N.W. and W.N.W.
- 3 Fresh N.W. wind in morning increased to a mod. N.N.W. Gale till 5 p.m. when it began to moderate and at 10 p.m. only light air from West was noticeable. Rain fell from noon till 5.30 p.m. Mild Temp. Misty on hills in evening.
- 4 Very light West wind in morning dropped to a calm which prevailed through the afternoon and evening. Misty on hills in morning. Clear in late afternoon and evening. Fine but dull day.
- 5 Light N.W. wind sprang up at 10 a.m., blew till 4 p.m. then mod. W.S.W. wind till 9.30 p.m. Calm later. Mod. Temp. Misty all day. Very light rain in evening and rather cold.
- 6 Light to mod. S.W. wind. Rather cold. Several rain and hail squalls in forenoon. Very cloudy. Fine but overcast and dull in evening.
- 7 Mod. N.W. wind sprang up in early hours and increased in strength till 3 p.m. when it began to moderate. Light rain fell from 11.30 a.m. till midnight. Misty in evening. Mild.
- 8 Very light cold South wind in morning and afternoon with light steady rain. Fresh cold S.W. wind and rain in evening. Sun showed for a few minutes at 6 p.m. but overcast generally and raining continuously all day. Cold.
- 9 Fresh gusty cold S.W. wind with frequent Hail squalls and showers. Very cold. Rainbow at 9.30 a.m. Very heavily clouded but sun showed occasionally.
- 10 Mod. N.W. wind throughout the day. Misty till evening. Mild. Sun not seen all day. Clear on hills in evening but overcast sky.
- 11 Light to mod. N.N.W. to North wind. Misty in morning. Steady rain in afternoon and evening. Mild Temp. Hill tops fogged. Fresh W.S.W. Gale sprang up at 10.45 p.m.
- 12 Mod. W.S.W. Gale in morning moderated a little during the day and veered to West in evening. Hail squalls in forenoon. Hail and snow squalls in afternoon. Fine but cloudy in evening. Part of very large Solar Halo ( $44^{\circ}$ ?) visible at 3.30 p.m. Cold.
- 13 Mod. N.W. to North wind with occasional light showers. Snow lying on hills. Mod. Temp. Fine with few clouds in evening.
- 14 Fresh to light N.W. wind throughout the day. Light rain with a heavy shower at 1.30 p.m. fell during the afternoon. Mod. Temp. Fine few clouds in evening.
- 15 Light S.W. to W.S.W. wind with occasional light showers. Snow during early hours of morning. Fine and sunny afternoon. Very little cloud in evening but cold.
- 16 Strong N.W. wind sprang up at 3.30 a.m. and blew till 9 p.m. when it changed to S.W. and the sky cleared rapidly. Light steady rain fell nearly all day from 3 a.m. Mist driving across the Island till late evening. Cold night. Fine and almost clear at 9 p.m.
- 17 Fine but cloudy all day with a fresh to strong W. to W.N.W. wind. Showers in evening. Hail squall at 8.15 a.m. Mild.
- 18 Fresh to strong W.N.W. to N.W. wind and very heavily clouded. Sun not seen. Mild. Shower at 8 a.m.
- 19 Sunshine and showers alternating all day with a strong Westerly wind which moderated in late evening. Mod. Temp.
- 20 Fresh W.N.W. to N.W. wind throughout the day. Dense mist at 10 a.m. Light shower at 12.15. Mild. Showers in late afternoon. Misty evening.
- 21 Mod. N.W. Gale in early morning veered through West and blew from W.S.W. afternoon. Light rain fell from 4 a.m. till noon then frequent hail squalls occurred through the rest of the day. Soft hail and snow during the evening. Very cold night.
- 22 Mod. S.W. wind in forenoon veered to West and increased in force. Snowing in morning. Rain and hail in afternoon and evening. A cold squally day. Sun showed between squalls. Hills snow-capped.
- 23 Strong Westerly wind with squally showers. Very heavily clouded but sun showing at intervals. Rather cold. Hail fell in early hours.
- 24 Mod. W. to S.W. Gale. Fierce hail squalls during the day and frequent snow and hail squalls in evening. Very cold. Sun showed occasionally.
- 25 Fresh cold W.S.W. wind till 5 p.m. when it weakened and gradually dropped to a light air by 8 p.m. Dull, cloudy, cold day.
- 26 Calm in early hours but light variable wind chiefly Northerly later. Mod. Temp. Misty shower at 5.15 p.m. Misty on hills in evening.
- 27 Mod. to light N. to N.W. wind throughout the day with misty showers at frequent intervals. Mist lifted at 7 p.m. and the atmosphere was quite clear for the rest of the evening though sky was overcast. Mild.
- 28 Fresh to mod. N.W. to W. wind. Misty rain till 2 p.m. Mod. Temp. Very cloudy all day. Rain in late evening.
- 29 Strong N.W. wind increased to a mod. Gale after noon, but at 4 p.m. began to veer and weaken and at 6 p.m. was blowing fresh from W.S.W. Very misty with light misty rain till 4 p.m. Light shower at 8.55 p.m. Mod. Temp.
- 30 Mod. to very light W. to N. wind. Heavily clouded in morning. Sunny in afternoon. Solar Halo from 2 p.m. till 3 p.m. Mild Temp. Dense mist in evening.
- 31 Strong N.N.W. wind sprang up at 1 a.m. and blew till 3 p.m. when it weakened and veered to N.W. Very misty during day with incessant misty rain from 10 a.m. Clear air in evening but half clouded. Rather heavy rain fell during the early morning hours.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

APRIL, 1912.

Date.	Remarks.
1	Fresh W. to W.N.W. wind during the day. Few clouds in morning with bright sunny intervals. Mild. Very cloudy in evening.
2	Strong N.W. wind till noon then mod. breeze from same quarter the rest of the day. Heavily clouded throughout with several light misty showers. Mild. Very red sunset. Series of Roller clouds in East at 5 p.m.
3	Very light N.W. breeze throughout. Heavily clouded and dull. Very misty after 5 p.m. Mild.
4	Very light South air till 1.30 p.m. when a light E.N.E. breeze sprang up and blew throughout. Overcast all day with a few drops of rain in afternoon. Rainbow at 5 p.m. Mild. Hills cloud capped in highest parts.
5	Mod. N. wind sprang up at 3 a.m. and blew with varying strength till midnight. Dense fog all day. Light rain from 10 a.m. till noon. Heavy shower at 8.30 p.m. Warm Temp. Steady rain fell also from 4 p.m. till 6 p.m.
6	Calm till 7.15 a.m. then very light N.N.E. wind till 4.30 p.m. when it again became calm. Dense fog all day. Few light showers before noon. Warm.
7	Calm till 9 a.m. then very light S.S.W. wind till 10 a.m. Calm again till 11 a.m. then a mod. to fresh South wind which dropped to a calm at 11 p.m. Overcast and slightly misty all day. Mod. Temp.
8	Calm till 6 a.m. then light Westerly which freshened and backing to W.S.W. blew a mod. gale in evening. Showers during day. Light rain with occasional hail squalls in evening. Rather cold. Sun showed occasionally.
9	Mod. W.S.W. Gale till 4 a.m. then fresh West Gale which dropped to a calm at 10 p.m. Light rain with several hail squalls during the day. Light rain in evening. Rather cold. A very rough day.
10	Calm till 12.30 then light to fresh N.W. wind the rest of the day. Foggy from 10 a.m. throughout. Very dense in afternoon. Mild. Raw morning.
11	Strong N.W. wind in early hours increased to a mod. Gale till 1 p.m. then light to fresh W.N.W. to N.W. breeze. Thinly misty with light rain almost all day. Sun showed for a few minutes at 3.15 p.m. Mild. Fine and almost clear in late evening.
12	Mod. to fresh N.W. Gale increased to a whole Gale at noon blowing till 1 p.m. then veering to West and moderating. At 4 p.m. the wind went to S.W. and blew strongly accompanied by frequent hail squalls. Light misty rain fell in morning. Falling Temp. Sun showed frequently.
13	Fresh S.W. to W.S.W. wind with heavy snow squalls in early hours. Mod. West breeze in afternoon but strong N.W. wind in evening. Snow lying on ground. Very cloudy all day. Light rain in evening. Rising Temp.
14	Strong W. to W.S.W. wind all day with some sharp squalls. Cloudy all day with very light misty rain in late afternoon. Mod. Temp. Fine evening with few scattered clouds.
15	Fresh to mod. West wind till 1 p.m. when it backed through W.S.W. to S.W. with some strong squalls. Showery all day. Several hail squalls. Mod. Temp. Well defined Rainbow at 5 p.m. Sun showed occasionally.
16	Mod. gusty West wind in early hours backed to W.N.W. at 6 a.m. and blew freshly throughout the day. Very dull and overcast with light misty rain. Mild. Hills cloud capped in evening.
17	Mod. West to W.N.W. wind all day. Overcast and dull with a few misty showers. Mild. Hill tops obscured.
18	Fresh to strong N.W. to N.N.W. wind. Mod. Gale between 1 and 2 p.m. Very misty till 7 p.m. Clear in evening with very little cloud. Mild.
19	Strong N.W. wind throughout. Fine with bright sunny periods. Overcast and dull evening. Shower at 8.30 p.m. Mild.
20	Strong N.W. wind till noon then mod. W.N.W. breeze. Light rain all day. Sun not seen. Mild Temp.
21	Strong Westerly wind with some fierce squalls during early hours moderated at 8 a.m. and blew freshly till 4.30 p.m. when it backed to W.N.W. and weakened. Frequent hail and snow squalls. Fine but cloudy in evening. Cold.
22	Frequent hail and rain squalls during the day with a fresh to strong W. to W.N.W. wind. Snow at 10 a.m. Sunny intervals. Light rain with a mod. N.W. breeze and rising temp. during the evening. Very strong squall at 9.15 p.m. Hills snow covered.
23	Fresh W.S.W. to S.W. wind with rain hail and snow squalls till noon. Fine but cloudy with cold S.W. wind in afternoon. Overcast with rain squalls and a fresh Westerly wind in evening. Rather cold. Sun showed at intervals.
24	Mod. N.N.W. Gale till 12.30 then strong N.W. wind which weakened at 4 p.m. dropping to a very light Westerly during the late evening. Sun not seen. Misty rain all day. Fine but cloudy in evening. Mod. Temp.
25	Light S.W. wind in early hours with light snowfall. Snowing in afternoon with a fresh cold S. wind. Heavily overcast with a S.W. wind in evening. Light snow at 9.30 p.m. A cold day. Bright sunny intervals.
26	Overcast and dull in morning with mod. N.W. wind which backed to N.N.W. at noon and blew a mod. Gale till 3.30 p.m. Fresh W. to W.S.W. wind the rest of the day. Misty rain fell from 10 a.m. till 4 p.m. Light rain in evening. Falling Temp. Hills snow capped.
27	Fresh to strong S.S.W. to S.W. wind till 7 p.m. with snow squalls. Heavily clouded all day but sun showed at intervals. Very light S.W. wind in evening. Rather cold. Snow lying on hills.
28	Light rain with mod. Gale from N.W. to N.N.W. till 1 p.m. then wind weakened and veered to W. In late afternoon wind went into S.S.W. and at 9 p.m. was blowing strongly from that point with light hail squalls. Falling Temp. Rain fell till evening. Earth Tremor at 9.15 p.m.
29	Fresh S.W. wind with snow. Mod. W.S.W. breeze later with some strong gusts and hail and snow squalls. Sun showed brightly at intervals. Rainbow in South at 1.10 p.m. Fresh Westerly wind with light rain in evening.
30	Mod. W.S.W. breeze with light snow and hail. Occasional squalls. After noon the wind backed to S.W. and was attended by light snow and several showers. Snow lying on hills. A cold day. Heavily clouded.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

MAY, 1912.

Date.	Remarks.
1	Misty rain till 2.30 p.m. with a light West wind. A few snow flakes in early morning. A mod. W.S.W. Gale blew during the afternoon but changed to a mod. Westerly Gale in the evening. Very heavily clouded and dull all day. Mod. Temp.
2	Strong West Gale in early hours moderated at noon though it blew strongly from between W.S.W. and West all night. Sun showed occasionally. Light hail squalls in afternoon. Very cloudy all day. Rather cold.
3	Fresh to strong N.W. wind till evening when it increased to a fresh N.N.W. Gale in late evening. Light misty rain in morning and evening. Fine but cloudy during the afternoon. Mild.
4	Fresh Gale from N.N.W. and N.W. till 3 a.m. with misty rain. Wind increased to a strong West Gale at 3.30 a.m. and at 5.20 a.m. a velocity of 52 miles per hour was attained, whole gale force lasting till 8 a.m. when it moderated rapidly. Hail and snow squalls with a fresh W.S.W. wind in afternoon. Sun showed occasionally. Fine and almost clear in evening with a mod. West breeze. Cold.
5	Mod. W.S.W. Gale till 5 a.m. Mod. West breeze later which backed to N.W. in the evening and increased a little. Sun showed at intervals but very cloudy generally. Smart shower at 6 p.m. Rather cold.
6	Fresh N.W. wind throughout. Mild. Misty in afternoon and evening. Hills cloud capped. Overcast in morning.
7	Mod. to fresh W.N.W. wind till late afternoon. Misty all day except between 10.45 a.m. and noon. Mild. Calm intervals in evening.
8	Wind from West in early hours and from S.W. later till noon but very light. Misty all day except for several hours while the wind came from S.W. Misty rain at 3 p.m. Mild.
9	Foggy with a mod. N.W. breeze and mild Temp. till 2.30 p.m. when wind changed to S.W. and fog cleared. Very light S.W. to W. air from 4 p.m. till 9.30 p.m. Fine and almost clear in evening. Mod. night Temp.
10	Dense fog lasted throughout. Mild. Mod. W.N.W. to N.W. wind. Earth Tremor at 3.15 a.m.
11	Fog cleared in early hours. Fine and bright at 9 a.m. Very cloudy later. Mist on hills at 1 p.m. Light N.W. wind. Foggy in evening. Mild.
12	N.W. wind in early hours increased to a strong breeze before 9 a.m. Overcast in morning. Cleared very much in afternoon but very cloudy again in evening. Wind went into West at 5 p.m. and it became somewhat colder. Sunny afternoon.
13	Light misty rain with a mod. to light N.W. to N.N.W. wind. Dense Scotch mist in afternoon. Fine with very little cloud in evening. Noah's Ark cloud at 9 p.m. for 35 mins. Mild. Noah's Ark cloud possibly manifestation of Aurora instead of cloud as it seems very bright.
14	Dense fog in early morning with a light N.W. wind. Very cloudy in afternoon with a freshening N.W. wind and sun showing weakly. Strong N.W. wind in evening with light rain from 9.30 p.m. Hill tops fogged.
15	Strong N.W. to N.N.W. wind with light misty rain in morning. Fresh N.W. wind in afternoon but overcast and dull. Fine in evening but overcast with a very light W.N.W. wind. Mild.
16	Mod. N.N.W. Gale with light steady rain till 4 p.m. Wind veered to West at 8 p.m. blowing a fresh to strong Gale all night with hail squalls. Some snow fell. Very cold night.
17	Very cold with a strong Westerly wind. Hail and snow squalls in early hours. Fragmentary Bow at 11.45 a.m. Fresh to strong N.W. wind in afternoon and evening. Several light showers during the day. Cloudless at 9 p.m. Rising Temp.
18	Misty. Light steady rain. Fresh N. to N.N.E. Gale. Rain ceased at 1 p.m. Wind veered to W.N.W. in evening still blowing strongly. Heavy shower of rain at midnight. High sea. Mild. Fine and clear in evening.
19	Fine with a strong Westerly wind. Hail at 10 a.m. Rather cold occasional showers in evening. Sharp hail squall at 4.30 p.m. Fine bright sunny intervals during day.
20	Showery with a mod. to fresh N.N.W. Gale which began to weaken at 6 p.m. At 9 p.m. a mod. breeze from W.N.W. with light steady rain. Mild. Misty all day.
21	Hail and snow squalls with a cold West wind. Cold S.W. wind with heavy snow and a Low Temp. in afternoon. Frag. bow at 11.45 a.m. Hail squalls during the evening. Ground snow covered. Very cold.
22	Occasional snow with a light cold S.W. wind. At noon the wind began to veer and at 6.30 p.m. was blowing a mod. N.W. Gale with light rain. Snow disappeared rapidly and Temp. rose in the evening.
23	N.W. Gale till 5.30 a.m. when it rapidly moderated. Mild. Light rain in morning. Misty rain from noon with a fresh W.N.W. wind. At 8 p.m. wind went to N.W. and blew a mod. Gale all night.
24	Mod. to fresh N.W. Gale till 6 p.m. when it weakened and at 8 p.m. veered to W.N.W. Light misty rain in late afternoon and evening. Mild.
25	Fresh to strong W.S.W. wind with frequent soft hail and snow squalls. Ground snow covered. Low Temp. At 6 p.m. the wind veered to West and weakened to a light breeze. Heavily overcast in evening.
26	Strong N.W. wind from 3 a.m. Snow disappeared. Mild. Light rain during the day. Misty with light misty rain in afternoon and evening.
27	Strong N.W. wind throughout. Light misty rain. Dense mist in evening. Mild. Wind dropped almost to a calm by midnight.
28	Almost calm at 1 a.m. but a light puffy W.N.W. to W. wind blew throughout the day. Very cloudy during day but almost clear in evening. Several very light showers fell before noon. Sun showed several times. Mod. Temp.
29	Very light air from West during early hours. Light W.N.W. to N.W. wind later with occasional fresh squalls. Snow fell in early morning. Very cloudy in morning. Overcast in afternoon and evening. Sun showed several times. Rather cold. Snow lying on hills.
30	Mod. to fresh W.N.W. wind in early morning backed to North and blew a mod. breeze throughout the night. Rainbow at 2.15 p.m. Frag. bow at 3 p.m. Lunar Halo (ill defined) at 6.30 p.m. Light rain fell during the evening. Sun showed occasionally. Snow lying on hills. Rather cold.
31	Very light North wind in early hours dropped to a calm lasting all day. Mild Temp. Light misty rain. Very misty in afternoon. Fog bank on hills in evening otherwise quite clear.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JUNE, 1912.

## Date.

- 1 Calm with mist on Western Hills. Dense fog from 10.30 a.m. till 2.30 p.m. Fog bow at noon. Fine but very cloudy at night.
- 2 Light misty rain with a very light W.N.W. wind in morning. Mod. N.W. wind in afternoon and evening. Very cloudy all day with occasional light showers of rain and snow. Rather cold. Cloud bank over hills. Snow on Mt. Elder.
- 3 Mod. cold W.S.W. wind all day with some fierce snow and hail squalls. Ground snow covered. Very cold. Strong squally. S.W. wind with snow and soft hail squalls in evening.
- 4 Fresh cold squally S.W. wind with frequent squalls of soft hail and snow. Ground snow covered. Very cold. Wind weakened and went to West at 6.30 p.m. Fine but overcast and cold in evening. Sun showed fitfully.
- 5 Fresh W. to W.S.W. wind with occasional hail squalls till 1 p.m. Frequent hail and light snow squalls with a cold W.S.W. to S.W. wind in afternoon. Sun showed at intervals. Snow on hills. Fine but cloudy with a light South wind in evening.
- 6 Very light S. wind till 2 a.m. then calm till 6 a.m. when wind blew lightly from N.W. increasing to a fresh breeze later. Foggy in morning. Fog bow at 9.5 a.m. Light misty rain and Milder Temp. in afternoon. Fine with scattered cloud areas in evening.
- 7 N.W. wind increased to a fresh Gale at 7 a.m. accompanied by light rain from early hours. Wind shifted through W. at noon to S.W. at 6 p.m. decreasing very much in force. Showery with occasional hail squalls in afternoon and evening. Sun showed occasionally.
- 8 Squally S.W. wind in early hours shifted through W. and at 7 a.m. was blowing strong from W.N.W. Misty in morning. Light misty rain in afternoon and evening with a mod. W. to W.N.W. Gale. Mild Temp. Misty on hills.
- 9 Strong West wind till 6 p.m. when it shifted to W.N.W. Mild. Shower at noon. Frag. bow at 10.35 a.m. (well colored). Very cloudy all day. Misty on hills in evening. Sun showed at several times.
- 10 Strong W.N.W. wind till 6 p.m. then strong N.W. breeze. Mild. Misty till evening when very light showers fell. Several smart showers between 6 p.m. and 9 p.m.
- 11 N.W. wind weakened at 2 a.m. and at 3 a.m. blew strong from West. At 9 a.m. it had backed to South but from 10.30 a.m. till 8 p.m. a mod. S.W. breeze blew shifting in late evening to W.S.W. Light snow in early morning. Snow lying on hills. Very cold. Fine with few clouds in evening.
- 12 Fresh westerly wind during day increased a little in the evening. Snow lying on hills. Cold. Heavily clouded and dull throughout.
- 13 Strong W.N.W. wind till 11 a.m. when it shifted to N.W. and blew a mod. Gale. Mild. Light misty rain in afternoon and evening. Heavily clouded.
- 14 Fresh W.N.W. to N.W. wind all day moderated in evening. Mild. Misty. Hill tops densely fogged.
- 15 Mod. N.W. wind till 6.30 p.m. then Northerly. Foggy all day. Light rain in evening. Mild.
- 16 S.W. wind from 3 a.m. Light steady rain fell nearly all last night. Snow lying on hills. Light snow at noon. Frag. bow at 11.30 a.m. Sun shone for several hours. W.S.W. wind from 10.15 a.m. till 5 p.m. then very light Westerly with almost a clear sky during evening. Cold.
- 17 E. to N.E. wind with some very strong squalls till 3 p.m. A calm afterwards resulted. Steady rain in forenoon with occasional light showers in afternoon and evening. Mild. Hill top clouded.
- 18 Wind freshened from Mod. S.E. breeze at 1 a.m. to a fresh S.S.E. Gale at 4.30 a.m. and blew till noon when it gradually weakened and at 9 p.m. a calm prevailed. At 10.30 p.m. a light W.N.W. breeze sprang up. Light snow at noon. A cold day. Heavily clouded.
- 19 Strong W.N.W. wind till 3.30 p.m. then West till 7 p.m. and squally W.S.W. wind later. Light rain in afternoon. Hail at 8 p.m. Cold night with very little cloud.
- 20 W.S.W. wind in early hours then mod. West breeze till 3.30 p.m. Mod. W.S.W. breeze later. Snow and soft hail in early morning. Showery later. A strong N.W. wind blew from 10 a.m. till 2 p.m. and then suddenly went back to West. During this time misty rain fell. Hail squalls in evening. Cold.
- 21 Strong W.S.W. wind till 2.30 p.m. with snow and soft hail squalls. Fierce hail squall at 12.30. Frag. bow at 2.45 p.m. Ground frozen in evening with a fresh cold S.W. wind and snow squall. Sun showed at rare intervals.
- 22 Fresh S.W. to W. wind in early hours increased to a mod. W.N.W. Gale later. Mild. Few drops of rain at 2.30 p.m. Misty on hills. Strong N.W. wind in evening.
- 23 Mod. to fresh N.W. to W.N.W. Gale till 3.30 p.m. then strong Westerly wind. Mild. Light misty showers during day. Falling Temp. Hail at 10 p.m.
- 24 Fresh to strong W. to N.W. Gale throughout. Occasional rain and hail squalls. Rather cold. Misty on hills.
- 25 Mod. to fresh West Gale throughout with hail and rain squalls. Rather cold. Tremendous sea.
- 26 Strong West wind till noon when it moderated a little but at 6 p.m. went to W.N.W. and blew a mod. Gale. Light misty rain squalls in morning and afternoon. Rainbows at noon, 2 p.m. and 2.30 p.m. but poorly coloured. Misty rain in evening.
- 27 Mod. squally S.S.W. wind which shifted to S.W. in afternoon and freshened. Hail at 8.30 a.m. Occasional showers and strong wind squalls during day. Rather cold. Rain fell in late evening. Mod. W.S.W. wind in evening.
- 28 Mod. W.N.W. to W. Gale till 5.30 p.m. when wind shifted to S.S.W. and blew a mod. Gale. Frequent fierce hail and snow squalls during afternoon and evening. Ground snow covered at 9 p.m. High Sea. Sun showed several times.
- 29 S.W. to W.S.W. wind till 6 a.m. then strong Westerly till 11 a.m. and fresh W.N.W. the rest of the day. Heavily clouded all day. Snow lying on hills. Highest sea at 11 p.m. since our arrival.
- 30 Fresh to strong W. to N.W. wind all day. Mild. Misty on hills in afternoon. Light misty rain in evening. Hills cloud capped.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JULY, 1912.

## Date.

## Remarks:

- 1 Strong squally S.W. wind in early hours veered to West for the rest of the day. Very cloudy. Rather cold. Sun showed several times.
- 2 Fresh West wind till 4 p.m. then light W.S.W. wind with falling Temp. Very cloudy all day. Hills cloud capped at 9 p.m.
- 3 Light to very light W. to W.S.W. wind in early hours. Strong N.W. wind later. Dense mist from 10 a.m. Misty rain from 4.30 p.m. till 7 p.m. Mild.
- 4 Fresh to strong N.W. wind till 3.30 p.m. veered to West and blew freshly all night. Dense mist with occasional light showers till 3.30 p.m. then falling Temp. with light rain and some soft hail. Heavily clouded in evening with occasional clear intervals. Auroral display in evening.
- 5 Fresh West wind early then strong W.N.W. wind till 10 p.m. and West later. Showers and soft hail. Cold. Very cloudy. Snow in early hours. Sun showed.
- 6 Fresh squally West wind till 4 p.m. veered to S.W. for rest of evening. Light snow and soft hail at intervals all day. Ground snow covered. Very cold. Ground frozen in evening. Low Temp. Sun showed occasionally.
- 7 Light cold West wind backed to W.N.W. later. Snow at intervals till 4 p.m. Ground snow covered and frozen. Showers in evening. Cold but rising Temp.
- 8 Calm in early hours but a light to fresh S.E. wind blew from 9 a.m. throughout. Showery in morning but fine and sunny in afternoon and almost clear in evening. Snow lying on hills. Mod. Temp.
- 9 Wind veered from S.E. to W.S.W. during the day. Light and gusty in character. Snow fell at intervals all day. Sun showed occasionally. Low Temp. Ground snow covered.
- 10 W.S.W. wind in early hours veered to West and increased in force blowing freshly throughout the day. Mild. Snow on hills. Very cloudy in morning but little cloud in afternoon and evening.
- 11 Fresh N.W. wind and heavily clouded till 7 p.m. Hill tops cloud capped. Mild. Sky cleared at 8 p.m. and wind moderated a little.
- 12 Strong North wind all day backed to N.N.E. at 9 p.m. Some strong gusts. Misty with frequent very light showers. Mild.
- 13 S. and S.E. wind very light throughout the day. Snow in early hours. Cold. Clear and sunny from 10 a.m. till 2.30 p.m. Auroral display at 11.20 p.m.
- 14 S.W. wind in early morning backed later to West and increased in force. Frequent snow and soft hail squalls. Ground snow covered and frozen. Very little cloud in evening.
- 15 Mod. West breeze with showers of soft hail and very light rain. Snow in early hours. Ground frozen in exposed places. In evening the wind went to W.N.W. with rising Temp. Heavily clouded.
- 16 Strong W.N.W. wind till 1 p.m. when it backed to W.S.W. and later to South dropping to a calm at midnight. Misty in forenoon. Passing showers and falling Temp. in afternoon. Well coloured Rainbow at 2 p.m. Frag. bow at 3.15 p.m. Auroral light in S. Fine but cloudy in evening and cold.
- 17 Calm in early hours with light W.N.W. wind from 9.30 a.m. Hoar frost during last night. Dense fog from 10 a.m. Fog bows at 12.30 and 1.45 p.m. Mod. Temp. Foggy in evening till 9.30 p.m. Grass very wet. Auroral light from 10 p.m.
- 18 Mod. to strong N.W. wind throughout. Very cloudy. Mild. Primary and secondary Rainbows at 2 p.m. colours well defined in primary. Light rain at 6.30 p.m.
- 19 Fresh to strong N.W. wind throughout. Overcast and dull. Misty from 11 a.m. Dense mist with light misty showers in evening. Mild.
- 20 Fresh to strong W. to W.N.W. wind all day. Several early morning showers. Light soft hail at 1 p.m. Misty on hills in evening. Mild.
- 21 Light Westerly wind in morning backed to W.S.W. and S.W. later and increased in force. Some strong squalls. Light hail and rain. Frequent soft hail squalls in evening. Cold. Sun showed occasionally.
- 22 Light S.W. wind in early hours shifted to N.W. at 6 a.m. and blew with mod. force the rest of the day. Hail in early morning. Overcast and dull all day with light passing showers. Misty in afternoon and evening. Lunar Halo at 7 p.m. Mild.
- 23 Mod. to fresh N.W. to N.N.W. wind all day. Very cloudy and dull. Sun shone for a short time at noon. Mild. Hills cloud capped in places.
- 24 Fresh to light N.W. wind all day. Hills cloud capped and slightly misty. Mild. Fog bank on hills in evening with heavy dew on Isthmus.
- 25 Mod. to fresh N.W. wind till 1 p.m. when it weakened to a calm at 2.10 p.m. Thinly misty in forenoon with several very light showers. Bright and sunny at times in afternoon with clear evening and light S.W. air. Falling Temp.
- 26 Calm till 11.50 a.m. then light N.W. wind. Hoar frost last night. Fog bow persisted from 12.30 till 4 p.m. Foggy from 10 a.m. throughout. Mod. Temp. Clear sky discernible through rifts in fog in evening.
- 27 Light to mod. W.N.W. to N.W. wind increased in force after 9 p.m. Foggy all day. Very dense on hills. Mod. Temp.
- 28 Very strong Westerly in early hours increased in force and blew a mod. to fresh W.S.W. Gale throughout the day. In evening wind went to West. Rather cold. Occasional glimpses of sun. Overcast but clear atmosphere in evening.
- 29 Mod. West Gale till 6.30 p.m. then strong squally W.S.W. wind through the night. Several showers with a few snowflakes in early morning. Rather cold. Very cloudy till 7 p.m. when sky broke.
- 30 W.N.W. wind from 5 a.m. till 2 p.m. with force of a fresh Gale went through W. to W.S.W. decreasing in strength to a strong wind. Misty till 4 p.m. Several light showers in late afternoon with some strong squalls. Cold evening.
- 31 Squally W.S.W. wind till 6.15 a.m. then fresh W. to W.N.W. wind later. Showery throughout the day. Foggy on hills. Very heavily clouded.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

AUGUST, 1912.

Date.	Remarks.
1	Fresh West wind in morning increased to a mod. Gale later with light hail squalls. Several soft hail squalls. Rather cold. Heavily clouded all day.
2	West Gale till 3.30 a.m. backed to S.S.W. and South with frequent snow and soft hail squalls. Very cold. Ground frozen and snow covered. Heavy clouds all day. Well coloured rainbow at 9.20 a.m. Faint secondary also visible. Sun showed at intervals.
3	Light S.W. wind till 7 a.m. then mod. to strong W. to W.N.W. wind later. Overcast and dull occasional strong sleet squalls before noon. Rising Temp. Strong W.N.W. wind all night. Hills cloud capped after 4 p.m.
4	Strong W.N.W. wind in early hours increased to a fresh Gale in the evening. It weakened at 9 p.m. and shifted to West. Showery before 1 p.m. Sunny at intervals. Light rain in evening and misty on hills. Mackerel sky at 6 p.m.
5	S.W. to W.S.W. Gale in early hours with some very strong soft hail and snow squalls. Sleet at 9.45 a.m. Wind veered to West at 10.30 a.m. and backed to N.W. at 1 p.m. increasing in force to a fresh Gale till 10.50 p.m. with light rain. Misty on hills after 5 p.m. A rough night.
6	Fresh N.W. wind till 11.15 a.m. then mod. N.N.W. Gale till midnight. Showery. Misty on hills. Heavily clouded. Unusually light in evening but no Auroral light showing. Mild.
7	Mod. N.N.W. wind till 10 a.m. when a mod. Gale blew till 12.30 gradually dropping to a calm by 4.20 p.m. Calm till 5.10 p.m. then a strong West wind sprang up. Light rain from 10 a.m. till 3 p.m. Heavy snow from 4 p.m. till 4.45 p.m. Hail at 8.30 p.m. Light snow later. Very cold night.
8	Strong N.W. to W.N.W. wind till 8.30 p.m. with frequent soft hail and snow squalls till noon when it became clear and sunny. Soft hail and snow squalls in evening with a W.S.W. wind. Very cold.
9	Light to fresh South wind till 6.15 a.m. when it dropped to a calm lasting till 2.35 p.m. A light S.E. breeze then sprang up freshening in the evening. Ground frozen and snow covered. No sun seen. Very cold.
10	Strong S.E. to S. wind in early hours then light squally S.W. to S. throughout. Frequent snow and soft hail squalls till noon. Sunny intervals. Heavy snow in evening. Ground frozen and snow covered.
11	Light but squally S.W. to W.S.W. wind in early morning veered to West at 9.30 a.m. and increased in strength. Ground snow covered. Sunny for several hours. Light showers in evening with a fresh W.N.W. wind which caused snow to thaw rapidly. Ray effect in S.E.
12	Mod. N.W. Gale sprang up at 2 a.m. and blew throughout. Mild. Misty on hills. Some light showers. Overcast all day.
13	Strong N.W. wind till 5 p.m. then W.N.W. till midnight. [Misty with light misty rain till 6.30 p.m. when sky broke and mist disappeared. Clear air in evening and falling Temp.
14	Strong squally W.S.W. wind from 2.30 a.m. till noon then W.N.W. to N.W. with increase to mod. Gale. Fog banks drifting across the Island. Four fog bows between 11.30 a.m. and 1 p.m. with colors well defined. Sunny from 11 a.m. till 2 p.m. Misty in evening. Rising Temp.
15	Mod. N.W. Gale till 2.30 a.m. then wind backed to S.S.W. by 5.30 a.m. getting back to West again at noon. Sunny and cloudless till 2 p.m. Fine and clear in evening with calm intervals.
16	Strong N.W. wind till 5 p.m. when it began to moderate and at 10 p.m. a calm prevailed. Misty with frequent light showers in the forenoon but bright and sunny in afternoon. Almost clear in evening. Mild Temp.
17	Light W.N.W. wind till noon then calm till 8 p.m. when a light gusty East wind sprang up. Showers in early morning and foggy on hills. Almost cloudless from 10.30 a.m. till 8 p.m. Mild Temp. A glorious day. Prolonged display of Auroral light in evening.
18	Squally E. to E.S.E. wind till 10 a.m. then calm till 6.30 p.m. when a mod. W.N.W. wind sprang up and blew throughout. Scotch mist all day. Dense fog on hills. Vegetation very wet.
19	Strong W.N.W. wind in early hours shifted to N.W. as a Mod. Gale till 6.15 p.m. then light W.N.W. wind the rest of the evening. Misty all day with light misty rain at intervals. Mild Temp. falling in evening.
20	Mod. W.N.W. to W. Gale till 6 p.m. then moderated a little but blew strong from West. Several light hail squalls in forenoon and a sharp one at 5.30 p.m. Cloudy all day with sunny intervals. Temp. falling in evening.
21	Mod. W.S.W. to W. Gale all day. Some very strong gusts. Frequent soft hail and snow squalls. Sunny at intervals. Auroral light from 8 p.m. till 9.30 p.m.
22	Strong West wind till 7 a.m. then fresh W.N.W. to N.W. breeze. Light hail squalls at 12.50 and 2.10 p.m. Rainbow at 1 p.m. Light showers in evening. Bright and sunny for several hours. Mod. Temp.
23	Strong N.W. wind increased to a mod. Gale and backed to North at 11 a.m. Very misty all day with some light showers in evening. Some very strong gusts. Mild.
24	Mod. Northerly Gale till 8 a.m. then shifted to W.N.W. and weakened. After noon it again went to N.N.W. Sunny till 1 p.m. then very misty. Mild Temp.
25	Light to fresh N.N.W. to N. wind till noon then fresh N.W. breeze. Misty with misty showers in morning. Sunny from noon till 2 p.m. but misty again later. Mild. Dense fog bank over hills all day.
26	Mod. to fresh N.N.W. Gale till 2 p.m. then strong gale till 10 p.m. falling then to strong N.W. wind. Misty. Mild Temp. Raining in evening.
27	Strong N.W. to W.N.W. wind till 5 p.m. then mod. West breeze. Rain fell at intervals till noon. Mild. Cloudy but fine in afternoon. Passing showers in evening.
28	Light Westerly dropped to a calm at 4.45 a.m. which lasted till 10.15 a.m. when a fresh gusty N.N.E. wind sprang up and blew till 4 p.m. Calm thence till midnight. Foggy in morning. Sunny from noon till 2 p.m. Mild. Misty rain in evening.
29	Gusty N.E. wind till 7.10 a.m. then calm till 9 p.m. Few gusts from South till 10.15 p.m. then calm again. Fine and sunny till 1 p.m. Light rain in afternoon. Mild. Heavily clouded in evening. Hills cloud capped.
30	Light S.W. wind with calm intervals in early hours then light to mod. W.N.W. to W. wind. Very cloudy. Misty showers before noon. Mod. Temp. Calm intervals in evening. Hills fogged.
31	Light W.S.W. wind with calm intervals till 9.50 a.m. then Calm throughout the day. Hill fogged in afternoon. Clear in evening. Mild Temp. Sun showed in morning.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

SEPTEMBER, 1912.

Date:	Remarks:
1	Strong gusty S.S.E. wind increased at 2 p.m. to a mod. Gale. Overcast in morning. Sun showing dimly. Dense mist in afternoon but it lifted in evening. Cold.
2	Misty all day with a fresh to strong squally S.E. wind and light misty rain. Some very strong wind squalls. Mild Temp. Wind backed to E.S.E. at 8 p.m.
3	Foggy with frequent light showers and a mod. but gusty E.S.E. to E. wind. Frequent calm intervals. Mild. Light gusts of wind from North in the evening. Some smart showers between 4 and 7 p.m. Showery all night.
4	Showery in early hours. Light to fresh N.N.W. wind very strong from 1.30 to 2.30 p.m. then shifted to N.W. Misty all day very dense in afternoon. Mild. Frequent light misty showers.
5	Foggy all day with very light to Mod. N.W. wind. Calm from 2 p.m. till 3 p.m. Sun showed for a few minutes at 11 a.m. Earthquake shock at 7.5 a.m. Several light showers in early morning. Mild.
6	Misty in morning with a fresh N.W. wind. Foggy on hills. Very light N.N.W. wind in afternoon with very light misty showers. Gusty North wind in evening with calm intervals. Calm from 9.50 p.m. till midnight. Mild.
7	Calm till 8.30 p.m. when a light S.E. wind sprang up. Dense mist from 10 a.m. Sun not seen. Mild. Vegetation very wet. S.S.E. air in evening.
8	Calm with occasional gusts from N. and E. Fresh N.N.E. wind from 6 p.m. Misty all day except for an hour at noon. Mild.
9	Mod. to fresh W.N.W. wind all day. Light showers. Mod. Temp. Hills fogged in places. Heavily clouded. Faint Auroral light in evening.
10	Very light N.W. wind dropped to a calm at 5 a.m., but at 7.30 a.m. a North wind sprang up and increased to a mod. Gale. Light rain throughout from 10.30 a.m. Mild. Some strong squalls in evening.
11	Strong N.W. in early hours veered to W.N.W. and gradually dropped to a calm at 7.30 p.m. Mod. Temp. Sun shone brightly at intervals during the day. Cloudy during day but fine clear and calm in evening. Auroral light in South Arch well defined.
12	Calm till 5.30 a.m. then mod. S.E. wind with light rain from 1.30 p.m. till 4 p.m. Snow fell from 5 p.m. till 6.30 p.m. Wind went to South at 9 p.m. and Temp. fell quickly. Auroral light in South. S.W. wind from 9.30 till midnight.
13	Wind veered to West and then shifted to W.N.W. during early hours gradually falling to a calm at 3.30 p.m. Very cloudy all day. Cold. Snow lying on hills. Very light sleetly rain in evening. Calm till 10 p.m. then light variable puffs.
14	Light N. wind in morning developed into a strong N.N.E. between 10 a.m. and 3 p.m., when it weakened and at 7.45 p.m. dropped to a calm. Very rapid wind changes during day. Misty with occasional light showers.
15	Calm in early hours but at 6.40 a.m. a fresh to strong N.N.E. wind sprang up and blew till 9.50 a.m. then dropping to a calm which lasted till 11.45 a.m. Mod. North breeze the rest of the day. Fine with bright sunny intervals but generally very cloudy. Mild.
16	Mod. N.W. wind in early hours freshened at 11.30 a.m. and blew strongly till 4 p.m. then backed to N.N.W. and weakened. Bright sunny periods but generally cloudy. Several light showers in afternoon. Frag. bow at 2 p.m. Hail at 3.20 p.m. Primary and secondary bows at 3.25 p.m.
17	Very light E.S.E. wind with frequent calms during morning. Calm from 3 p.m. till 8.15 p.m. then light S.S.E. breeze. Bright and sunny from 7 a.m. till 8.15 a.m. but cloudy later with light rain almost throughout. Mild. Foggy on hills.
18	Mod. to fresh S. to S.S.W. Gale all day. Very cold. Frequent squalls of soft hail and light snow. Ground frozen. Some very strong wind squalls. Auroral light in South. Snow and hail lying on ground.
19	Squally W.S.W. wind. Very heavily clouded. Bright sunny intervals alternating with snow and soft hail squalls. Occasional calm intervals in forenoon and quite calm from 2.45 p.m. till 6.15 p.m. Ground snow covered. Cold. Light West wind in evening.
20	Mod. West wind in early hours shifted to N.W. and blew strongly till noon shortly afterwards dropping to a calm. Very light S. to S.W. wind later. Very cloudy but sun showed occasionally. Light hail. A few snowflakes and soft hail at 6 p.m. Frag. bow at 2 p.m. Cold.
21	Light squally South wind with light snow. Very heavily clouded. Calm from 6 p.m. till 11.30 p.m. Cold. Sun showed at intervals. Faint Auroral light in South.
22	Light variable winds in early hours but, except for occasional S.W. to W. puffs, calm the rest of the day. Frequent light misty showers. Sun showed occasionally for a few minutes. Densely clouded. Rather cold. Faint Auroral light in South.
23	Calm till 12.30 then light to fresh N.W. wind. Fine but overcast and dull all day. Rather cold. Rising Temp.
24	Fresh to strong N.W. wind till 3.30 a.m. then it shifted to North and blew a mod. Gale till noon afterwards veering through N.W. to West and weakening considerably. Overcast and dull all day with some light misty showers. Falling Temp. Fair Lunar Halo.
25	Strong squally S.W. wind from 2 a.m. till 3 p.m. then veered through W.S.W. to West. Hail squalls during morning and evening. Cold. Very cloudy throughout but sun showed briefly in morning. Snow on hills.
26	Fresh squally W.S.W. wind with frequent light hail squalls. Cold. Snow lying on hills. Very heavily clouded.
27	Mod. S.E. wind sprang up in early morning after a calm interval and backed to E.N.E. in evening increasing in force. Some very strong gusts. Overcast and dull all day. Very cold. Jeebergs sighted by "Rachel Cohen" 40 miles off East Coast.
28	Wind went through N. to West during early hours afterwards dropping to a calm which lasted from 3 p.m. till midnight. Light showers with alternate periods of brilliant sunshine. Mild day but cold night. Fine sunset effect.
29	Mod. N.W. wind in early hours increased to a strong Gale during afternoon but weakened at 5 p.m. Raining all day. Sun not seen. Mild. Hills fogged in places.
30	Mod. N.N.W. wind in early hours veered to West at 11 a.m. and thereafter blew a fresh Gale from that point. Bright and sunny from 7 a.m. till 8 a.m. Rain in morning and afternoon with sharp hail squalls in evening. Very cloudy till evening. Falling Temp.

Table XI.—DAILY WEATHER REMARKS—*continued.*

## MACQUARIE ISLAND.

OCTOBER, 1912.

- Date. Remarks.
- 1 Fresh N.W. Gale in forenoon with light rain moderated a little in afternoon; but light misty rain fell till 7 p.m. Fine but cloudy in evening with mod. N.W. Gale. Mild. Auroral display (Arch and Striations across Zenith) lasted for several hours.
  - 2 Strong W.N.W. wind in early hours dropped to a light wind in forenoon but at 12.30 a mod. West. Gale sprang up and blew till 6 p.m. It then began to moderate. Bright and sunny periods but rather heavy rain from 10 a.m. till 2 p.m. Fine with few clouds in evening. Faint Aurora light in South.
  - 3 Mod. W.N.W. wind in early hours dropped to a calm at 3 p.m. but a puffy North wind blew from 3.40 p.m. till 4.20 p.m. when it became calm again. Light W. to N. gusts occurred in late evening. Heavy shower at 7.20 a.m. Sleet and rain from 10 a.m. till 2.30 p.m. then heavy snow for 45 minutes. Rain in evening.
  - 4 Mod. W.N.W. wind till 11 a.m. then calm till 4 p.m. when a strong gusty N.N.W. wind sprang up and a squally night resulted. Shower at 6.30 p.m. but fine and sunny till 12.40. Very misty in evening with misty showers. Mild.
  - 5 Fresh N.W. Gale in early morning veered to West and at 4 p.m. went W.S.W. moderating a little. Strong rain squalls in forenoon. Very light showers in afternoon. Hail squalls at 6 p.m. and 6.45 p.m. and at intervals during evening. Mild morning but cold later. High Sea.
  - 6 W.S.W. wind with hail squalls till 5 a.m. Wind then shifted to West and W.N.W. moderating till 10 a.m. when it went to N.W. and increased in strength. Bright and sunny for several hours but overcast and dull in afternoon. Strong West wind in evening with light rain squalls. Mod. Temp.
  - 7 Fresh N.N.W. wind in morning increased to a mod. Gale at 2.30 p.m. and blew till midnight. At 7 p.m. wind was westerly for a while. Misty with misty showers. Mild. Faint Aurora light.
  - 8 Wind dropped to a calm at 6.40 a.m. which lasted; except for light variable puffs, till 4.30 p.m. when a mod. gusty Easterly wind blew till 10 p.m. Calm again till midnight. Overcast in morning. Dense fog from 11 a.m. with several showers. Light rain from 4 p.m. throughout.
  - 9 Mod. to strong West wind throughout. Sleet showers and snowflakes in early morning. Light showers and hail squalls in afternoon and evening. Bright sunny periods. Cold. Faint Aurora light in South.
  - 10 Mod. to strong N.W. to N.N.W. wind. Misty with light misty rain but several heavy showers between 5 and 6 p.m. Mild.
  - 11 Northerly Gale sprang up at 1.30 a.m. and blew till 7 a.m. then moderated for several hours. Mod. N.N.E. Gale from noon till 5 p.m. and after a short lull during which the wind veered to West a fresh to strong Gale blew from 8 p.m. till after midnight. Sunny periods. Steady rain from 5 p.m. till 7 p.m.
  - 12 Strong West wind in early morning dropped to a calm at 12.30. At 2 p.m. an Easterly sprang up and veered to S.E. then South becoming squally. Snowing sleet and raining from 9.30 a.m. till 6 p.m. Fine cloudy and cold in evening. Faint Aurora light in South.
  - 13 Strong squally S.W. wind till 8.30 a.m. with light snow. Fresh cold W.S.W. wind later with hail squalls and bright sunny periods alternating. Fine but very cloudy in evening. Cold day. Aurora light in evening shifting about between S. and S.W.
  - 14 Mod. W.S.W. to W. Gale with hail squalls and sunny periods till 3 p.m. Then strong West wind with hail and sleet in late afternoon. Light rain with mod. W. Gale in evening. Cold day. Heavily clouded throughout.
  - 15 Mod. West Gale till 2.30 a.m. then strong cold squally S.W. to W.S.W. wind. Light showers in forenoon. Overcast all day. Cold.
  - 16 Strong squally W.S.W. wind in early hours went through W. to N.W. blowing strongly all day. Fine bright and sunny till noon with very little cloud. Overcast and dull in evening. Rising Temp.
  - 17 Strong N.W. wind in early hours increased to a fresh Gale in afternoon and with but little moderation blew all night. Very misty with some misty showers. Mild.
  - 18 Mod. N.N.W. Gale till 12.30 when it moderated somewhat and at 9 p.m. a strong Northerly breeze was blowing. Misty with light rain nearly all day. Sun not seen. Mild.
  - 19 Fresh W.N.W. wind in morning shifted to N.N.W. at 4 p.m. and increased to a mod. Gale lasting through the night. Fine bright and sunny for several hours but very dull from 1.30 p.m. with light misty rain. Rising Temp.
  - 20 A whole gale from W.N.W. till noon when it moderated and went to S.W. at 2 p.m. blowing a fresh breeze from that point for the rest of the day. Showery early with mild Temp. Sleet and snow in afternoon. Falling Temp. Cold evening.
  - 21 Fresh squally W.S.W. wind till 4.30 p.m. with showers in early morning. Fine but cloudy with Mod. West wind in evening. Rather cold.
  - 22 Strong N.W. wind in early hours increased to a fresh Gale at 4 p.m. which lasted till 8.30 p.m. when it began to shift and moderate blowing in the late evening from the West. Showery in morning. Light steady rain in evening. Mild. Sunny for brief intervals in forenoon.
  - 23 Fresh W. to W.S.W. to W. wind during the day with some strong squalls. Sunny periods alternating with hail squalls. Rather cold.
  - 24 Mod. West Gale in early hours increased to a whole Gale between 4 and 6 a.m. after which it backed to W.S.W. and blew a fresh Gale to noon. Strong cold squally S.W. wind in afternoon and evening. Rain and hail squalls throughout. Sun showed occasionally. Cold.
  - 25 Strong S.S.W. to W. wind with snow and hail during early hours. Hail squalls and sleet in forenoon and afternoon. Overcast and dull with a strong cold West wind in evening. Cold.
  - 26 Strong West wind moderated a little in late evening. Heavily clouded and dull all day. Mod. Temp.
  - 27 Fresh to strong N.W. wind throughout. Fine bright and sunny with very little cloud before noon. Overcast and dull in afternoon. Light steady rain in evening. Warm.
  - 28 Very light W.S.W. to W. wind till 7 p.m. with occasional calm periods. Very cloudy early but sunny day after 11 a.m. Light rain with a mod. gusty North wind in evening which increased to a mod. Gale by midnight. Earthquake shocks at 1.55 a.m. and 9.35 a.m. Mild.
  - 29 Mod. to fresh North Gale till 5.30 a.m. then rapid change to West till 7 p.m. Fine but cloudy with sunny periods. Light shower at 12.30. Two sharp hail squalls between 5 and 6 p.m. Rainbow at 6 p.m. W.S.W. wind in evening. Aurora light in South.
  - 30 N.N.W. wind early but N.W. in afternoon and West in evening with an increase to a mod. Gale. Light rain in morning misty with misty rain in afternoon. Overcast and foggy on hills in evening. Mild. Aurora light in South.
  - 31 Mod. West Gale in early hours died to a calm at 7 a.m. lasting till 10.30 a.m. Light variable wind till 1.30 p.m. then calm till 3 p.m. when a light W. to W.N.W. breeze sprang up. Shower at 9.30 a.m. Sunny periods in afternoon. Light misty rain in evening.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

NOVEMBER, 1912.

## Date.

## Remarks.

- 1 Mod. to fresh N.W. Gale with mist and light misty showers. Sun not seen. Mild. Bright Auroral light; streamers visible occasionally.
- 2 Strong N.W. to N.N.W. wind till 4.20 p.m. then it veered rapidly to West and moderated. Misty till 4.30 p.m. Light steady rain from 2 p.m. till late in evening. Falling Temp. Sun not seen.
- 3 Light S.W. to W.S.W. wind with snow and soft hail till noon. W. to W.N.W. wind later with bright sunny periods. Dull in evening with light rain and an increasing wind from 9.30 p.m. Mod. Temp.
- 4 Mod. N.W. Gale increased to a strong N.N.W. Gale between 4 and 7 p.m. then decreasing shifted rapidly through W. to W.S.W. Rain in early morning and again from 7 p.m. till 8 p.m. Falling Temp. Bright Auroral light with streamers in evening.
- 5 Fresh W. to W.N.W. wind throughout. Overcast and dull. Sun not seen. Mod. Temp.
- 6 Shifty wind blowing from between W.N.W. and N.N.W. with mod. force. Misty with misty rain till 2.50 p.m. Overcast and dull afterwards with a shower at 8.30 p.m. Mod. Temp. Faint Auroral light in evening.
- 7 Fresh N.W. wind in morning with passing showers and sunny intervals. Calm from 3.30 p.m. till 7 p.m. then a strong S.E. wind sprang up. Very warm day with high thin cloud. Sunny afternoon.
- 8 Mod. S.E. to South Gale till 4 p.m. when it weakened and shifted to S.S.W. in evening. Very cloudy with sun showing at intervals. Cold. Overcast and dull in evening.
- 9 Light W.N.W. wind with an overcast dull sky. Sun showed dimly several times. Mild. Hill tops fogged all day.
- 10 Very light to mod. N.W. wind throughout. Warm. Sun showed dimly at times but heavily clouded throughout. Fine but cloudy evening.
- 11 Light to very light N.W. wind throughout. Very dull but mild. Sun showed for a few minutes at 8.15 a.m. Fog on hills in evening.
- 12 Fresh gusty North wind till 3 p.m. Calm till 5 p.m. Gusty from E. till 5.10 p.m. then calm till 7.50 p.m. when a light E.S.E. wind sprang up. Overcast and dull all day. Mild. Foggy on hills. Sun showed dimly for several minutes at 2.30 p.m.
- 13 Mod. S.S.E. to S. wind throughout. Dense driving mist. Mod. Temp. Misty showers in forenoon.
- 14 Light S. wind dropped to calm at 8 a.m. lasting till 11 a.m. when a mod. N.W. wind sprang up going to N.N.W. later and freshening. Foggy. Light misty rain in evening. Mild. Sun not seen.
- 15 Mod. N.N.W. wind till 5 a.m. then it dropped to a calm till 10 a.m. when a fresh to strong W.S.W. to W. wind blew the rest of the day. Steady rain from 5 a.m. till noon then rain squalls and misty showers. Sun shone warmly for a few minutes at 1 p.m. Mod. Temp.
- 16 Fresh Gale from W.S.W. between 1.30 a.m. and 7 a.m. with some fierce squalls. W. to W.N.W. squally wind later. Hail and rain squalls. Sun showed between showers. Rather cold. Whole Gale (53 miles) during early morning hours. Light rain fell from 2 p.m. till 5 p.m.
- 17 Fresh S.S.W. wind with some strong squalls strengthened and went into West in evening. Hail and rain squalls. Sun showing between showers. Cold.
- 18 Squally showers with a mod. to fresh W.S.W. to S.W. Gale which moderated after 8 p.m. Mod. Temp. Very cloudy but sun showed occasionally.
- 19 Strong W.S.W. wind till 5 a.m. when it shifted through W. to W.N.W. for the rest of the day. Overcast and dull. Thin mist with occasional light showers. Mild.
- 20 Mod. W.S.W. Gale in early hours backed to S.W. at 11 a.m. but weakened afternoon. Some strong squalls later. Very cloudy but sun showed intervals. Mod. Temp. but rather cold evening.
- 21 Mod. West wind all day. Very cloudy but sun showed frequently in forenoon. Dull afternoon and evening. Mod. Temp.
- 22 Very light to mod. W. to N.N.W. wind. Overcast and dull nearly all day. Mild. Hill tops fogged after 4 p.m. Sun shone for several hours.
- 23 Fresh to strong W.N.W. to W. wind throughout. Mild. Thin mist. Overcast during day but only half clouded in evening.
- 24 Overcast and dull all day with a mod. to fresh N.W. to N.N.W. wind which shifted to S.E. very suddenly at 9.30 p.m. Rain and sleet for 30 mins. in late evening. Mild day but rather cold night.
- 25 Fresh S.E. wind in early hours veered through South to S.S.W. and moderated. Overcast and dull all day. Sleet shower at 6.30 p.m. Calm from 10 p.m. Rather cold.
- 26 S.W. to W.S.W. mod. wind till 1.30 p.m. then W.N.W. till 5.45 p.m. after which a fresh W.S.W. wind blew throughout. Overcast and dull all day with several sleet showers. Rather cold Sun showed dimly several times.
- 27 Mod. to fresh S.W. to W. wind till 5.30 p.m. then it shifted to N.W. and freshened. Very cloudy but some sunny intervals occurred. Evenly overcast and misty in evening. Mod. Temp.
- 28 Light S.W. wind till 5 p.m. then frequent calm periods. Overcast and dull all day. Foggy. Warm.
- 29 Strong West wind in forenoon increased to a fresh Gale in evening. Some very strong squalls from W.S.W. in evening. Foggy on hills. Mild.
- 30 Fresh W.N.W. to W. wind all day. Dense fog in late evening, warm. Wind moderated a little at times. Fog began to settle down at 6.30 p.m.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

DECEMBER, 1912.

Date.	Remarks.
1	Light W.S.W. to W.N.W. wind all day. Very foggy till 6 p.m. Fine but overcast and dull in evening. Mild.
2	Fresh N.W. to W.N.W. wind till 3 p.m. then fresh S.W. Gale throughout. Mild day but cold night. Frequent rain squalls in afternoon.
3	Mod. S.W. to S. Gale with some very strong hail and sleet squalls. Densely clouded all day. Cold.
4	Light gusty South wind dropped to a calm at 4 p.m. which lasted till 9 p.m. A light N.W. wind then sprang up and freshened during the night. Very cloudy. Rather cold.
5	Fresh to mod. West to W.N.W. wind all day. Fine but cloudy with sun showing at frequent intervals. Very little cloud in evening. Warm.
6	Mod. to strong N.W. to N.N.W. wind with dense mist and light steady rain nearly all day. No rain from 11 a.m. till 2.30 p.m. Mild. Sun not seen.
7	Light S.W. wind which freshened at 8 a.m. blew very strongly from 9 a.m. till 11.30 a.m. After noon the wind shifted through West rapidly and in evening blew strongly from N.N.E. going into E. about midnight. Sunny intervals. Mild.
8	Strong E. to N. wind in early hours gradually shifted to N.W. blowing a mod. Gale for an hour. It then rapidly dropped to a calm which lasted throughout. Sun showed dimly several times. Mild. Very cloudy.
9	Calm till 2 a.m. then fresh N.E. breeze till 6 a.m. then calm till 11 a.m. Thereafter light W.N.W. to N. wind. Light rain in morning and evening. Sunny intervals. Warm. Hills densely fogged in evening.
10	Light N.N.W. wind till 5 p.m. then gusty N. to N.E. wind throughout. Fine and sunny in forenoon but very cloudy in afternoon and a dense mist in evening. Warm.
11	Fresh N.N.W. Gale from early hours reached whole Gale force from 5 p.m. till 8 p.m. then moderated a little and shifted to N.W. Bright sunny morning. Very cloudy in afternoon and evening. Misty shower at 7.30 p.m. Warm.
12	Fresh N.W. Gale in early hours moderated a little and blew strongly from W.N.W. to N.W. throughout. Very cloudy with bright sunny intervals and fine all day. Warm. Wind increased to a fresh Gale at 9 p.m.
13	Fresh N.W. Gale in early hours dropped at 11 a.m. to a fresh breeze later on shifting to W.N.W. Dense mist with light misty shower in forenoon. Heavily clouded in afternoon. Fine with very little cloud in evening. Warm.
14	Fresh W.N.W. to N.W. wind all day. Heavily clouded but sun shone brightly at intervals. Warin. Overcast and dull in evening.
15	Fresh E. wind till 4 a.m. then calm till 7 a.m. Very light S.E. wind with calm intervals till noon. Fresh W.S.W. to W.N.W. wind rest of the day. Misty with light rain till 4.30 p.m. Overcast in evening. Mod. Temp.
16	Fresh W.S.W. Gale from 7 a.m. till noon then strong W.S.W. to W. till 10 p.m. when calm intervals and gusty periods alternated. Showery in forenoon. Bright sunny periods. Frag. bow at 5.30 p.m. Cold. Showers in evening.
17	Light S. wind in early morning but several calm periods. Gusty S.W. wind in afternoon and evening with some calms. Snow and sleet squall after 4 p.m. Very cloudy but sun showed frequently. Cold night.
18	Calm till 7.30 a.m. Then light to mod. wind from W.N.W. to N. Very cloudy but some bright sunny intervals occurred. Mod. Temp. Showery in late afternoon. N.E. wind from 10.15 p.m.
19	Light N.E. wind in early hours went to E.N.E. and E. later increasing to a mod. Gale in the evening. At 9.45 p.m. wind began to weaken and in several hours dropped to a calm. Light rain from 10 a.m. throughout. Sun not seen. Mod. Temp.
20	Calm till 4 a.m. then mod. to fresh W. to W.S.W. wind throughout. Sunny from 7.15 a.m. till 8.15 a.m. Showery from 10 a.m. till 2 p.m. Hail at 9.45 p.m. Mod. Temp. Shower at 7 p.m.
21	W.S.W. to W. wind till 10 a.m. then W.N.W. till 1 p.m. N.W. later. Dense mist from 5 p.m. till 7.45 p.m. with mod. N.N.W. wind. Fine and sunny till 1 p.m. but overcast afterwards. Mild. Mod. to fresh N.W. wind in late evening.
22	Fresh N.N.W. wind in early hours shifted to North after noon but at 2.40 p.m. went to N.W. and increased to a fresh Gale which gradually moderated after 7 p.m. Misty and raining all day. Sun not seen. Mild.
23	Fresh W.N.W. wind in morning increased to a strong N.W. breeze in afternoon and blew throughout. Fine and sunny nearly all day. Evenly overcast from 11.30 a.m. till 12.30 a.m. but clear again in afternoon. Warm.
24	Fresh W.N.W. wind till 2 p.m. then strong till 4 p.m. when it began to weaken dropping to a calm in late evening. Fine and sunny from 11.15 a.m. till 3.15 p.m. Misty in evening. Hills fogged. Warm.
25	Calm till noon then very light N.W. breeze till 5 p.m. Calm again till 9 p.m. then light gusty north wind. Fog drifting over the island. Bright sunny periods. Warm. Hills densely fogged in evening.
26	Fresh N.W. wind in early hours increased to a fresh Gale at 11 a.m. and then went to West but shifted to N.W. again in the afternoon still blowing a Gale. Rather dense fog till noon when the sun came out. Misty rain from 10 to 11 a.m. Mild.
27	Mod. N.W. Gale in morning shifted to N.N.W. at 10 a.m. but moderated dropping to a calm at 6 p.m. Fresh W.N.W. wind later. Dull and overcast all day. Calm and foggy for several hours in evening. Steady rain from 5 p.m. till 6 p.m. Misty rain from 7 till 8 p.m. Mild. Sun not seen.
28	Mod. Gale from N.W. to W.N.W. all day. Rain squalls. Hail at 6 p.m. Sun showed at intervals. Mild. Very cloudy during day. but few cloud areas in evening.
29	Strong squally W.N.W. wind till 11.30 a.m. then mod. N.W. Gale till 5 p.m. after which a strong W.N.W. wind blew for the rest of the day. Rain squalls. Hail at 11.45 a.m. Mild. Bright sunny intervals.
30	Strong N.W. wind in morning shifted to W.N.W. and dropped to a calm for 45 mins. at 6 p.m. Mod. to fresh W.N.W. wind again till midnight. Sharp hail squall at 6.45 p.m. Sharply defined primary and faint secondary bows after squall passed. Mild Temp. but cold evening.
31	Squally S.W. wind till 7.30 a.m. Calm till 9.30 a.m. then fresh S. to W.S.W. wind which increased to a mod. Gale in evening. Light rain. Falling Temp. Very heavily clouded but sun showed for a few minutes at midday.

## MACQUARIE ISLAND.

Table XI.—DAILY WEATHER REMARKS—*continued.*

JANUARY, 1913.

Date.	Remarks.
1	Strong N.W. wind in morning increased to a mod. Gale at 10 a.m. which lasted till evening when it moderated a little. Misty with occasional light showers. Mild.
2	Showers with a fresh to strong W.N.W. to N.W. squally wind. Sun showed at 4.30 p.m. Very cloudy. Mild.
3	Mod. N.W. Gale till noon when wind moderated and at 4 p.m. went to N.N.W. shifting later into N.E. Fine and sunny till 3 p.m. Fine but cloudy later though it was thinly overcast in late evening. Warm.
4	Fresh S.E. Gale in early hours weakened at 7 a.m. going into S.S.E. and bringing light rain. At 11 a.m. the wind began to veer and by 3 p.m. was blowing a moderate Westerly. At 5 p.m. it shifted to N.W. and in late evening to N.N.W. Heavy Rain from 10 p.m. till midnight. Heavily clouded all day.
5	Fresh squally W.S.W. wind till 6 a.m. then W. till noon when it passed to W.N.W. and increased to a mod. Gale between 2 and 4 p.m. It then began to moderate and at 5 p.m. shifted to N.W. increasing to a strong Gale in late evening. Fine but cloudy. Sun showed occasionally. Light rain in evening.
6	Very light to mod. squally West wind. Showers. Hail and snow squall at 5.15 p.m. Mod. Temp. Sunny intervals.
7	Mod. squally W.S.W. wind in early morning. Mod. to strong N.W. wind the rest of the day. Fine but heavily clouded with sun showing at intervals. Mild. Light rain in evening.
8	Fresh W. wind from early morning till 5 p.m. after which it passed to N.W. Showers in evening but fine day. Warm. Bright and sunny.
9	Fresh squally W.S.W. to West wind throughout. Light rain and hail squalls at frequent intervals. Sun showed between squalls. Mod. Temp.
10	Fresh to strong squally W.S.W. to W. wind throughout. Hail and rain squalls. Sunny intervals. Mod. Temp. Heavy Cumulus clouds.
11	Mod. to fresh W.S.W. to S.W. Gale throughout. Squally with rain hail and snow. Sunny periods. Rather cold. Fresh S.W. Gale between 2 and 6 p.m.
12	Mod. W.S.W. Gale in early hours moderated rapidly and passed to N.N.W. later on shifting to West. Mod. N.W. Gale from 1 p.m. till 4 p.m. then a strong W.N.W. wind till 8.30 p.m. changing later to fresh Westerly. Light steady rain till 8.30 p.m. Sun not seen. Mild.
13	Mod. West Gale in early morning began to moderate at noon and at 7 p.m. dropped to almost a calm. Shortly afterwards a very light N.W. breeze sprang up. Fine but cloudy. Two very light showers before noon. Mild.
14	Fresh squally S.E. wind till 4.30 a.m. then wind increased and passed rapidly through E. to N.W. and blew a fresh Gale till 1 p.m. Calm for 30 mins. then a fresh S.W. wind sprang up and increased to a strong Gale. Falling Temp. Heavy rain in morning. Light rain in evening. Sun showed.
15	Fresh to mod. W.S.W. to W. Gale in early hours then fresh W.N.W. wind to mod. N.W. Gale till 5.30 p.m. when it moderated a little. Mild. Light rain and mist till 5.20 p.m. Sun showed brightly in early morning.
16	Mod. squally W.S.W. to W. Gale till 8 a.m. then West Gale till 11 a.m. when wind went through W.N.W. and at 8.30 p.m. was blowing fresh N.W. Rain in early morning and evening. Bright and sunny nearly all day. Mild.
17	Squally N.E. wind till 1 a.m. then mod. Gale from N. to W. till 8.45 a.m. Mod. squally W.S.W. to S.W. Gale till 11 a.m. then fresh S.S.W. to S. wind till 2 a.m. when it dropped gradually to a calm which lasted till 8.30 p.m. A light gusty N.E. wind then sprang up. Falling Temp. Misty till 8.45 a.m. Heavy Rain, after 9.30 p.m. Sunny periods.
18	Mod. N.W. Gale with occasional moderations till 3 p.m. when it gradually dropped to a calm. Mild Temp. Fine but cloudy with sun showing brightly at intervals. Fog bank on hills in evening.
19	Calm till noon then light gusty S.W. to S. wind the rest of the day. Falling Temp. Heavily clouded and dull. Then fog till 1.30 p.m. Sun showed in early morning. Few drops of rain in evening. Earth tremor at 11.17 a.m.
20	Calm with occasional puffs from South. Showery in early morning but fine and sunny with few cloud areas the rest of the day. Soft hail at 8.15 p.m. Warm day but rather cold night.
21	Mod. to fresh W.S.W. wind till 11.30 a.m. then it shifted to W.N.W. but dropped to a calm at 4 p.m. Snow at 1.30 a.m. Some smart showers between 2 a.m. and 7 a.m. Fine and sunny later in the day but very cloudy in evening.
22	Calm till 9.30 a.m. then mod. W.N.W. to N. wind freshening from latter point in late evening. Overcast and dull in morning. Bright sunny afternoon. Light rain in evening. Mild. Heavy shower at 9.45 a.m. with dense fog which lasted 30 mins.
23	North wind in early hours shifted to N.W. at 5.30 a.m. and blew a mod. Gale till 4 p.m. It weakened at 6.30 p.m. then blew strong from W.N.W. going into West at 11 p.m. Light rain in early hours. Sunny morning. Mild. Showers in evening.
24	Strong West wind to mod. W.N.W. Gale with occasional Rain squalls till 4.30 p.m. then mod. N.W. Gale. Mild. Sun showed at intervals. Foggy on hills in evening.
25	Mod. to fresh N.W. Gale. Moderated at 5 a.m. and at 10.45 shifted to N.N.W. Fine and sunny in forenoon but cloudy with several showers in afternoon. Foggy on hills till 2.15 p.m., then clear till evening. Mild. Auroral light in South.
26	Fresh gusty W.S.W. wind till 8.15 a.m. then mod. Westerly with occasional showers till 5.30 p.m. Light W.S.W. wind in afternoon and evening. Bright sunny periods. Rather cold night. Noah's Ark at midnight from N. to S.
27	Fresh squally W.S.W. wind till 5 a.m. then squally S.W. to W.S.W. till noon. West at 3 p.m. but backed to S.W. at 6 p.m. Hail and some snow in early morning. Bright sunny day. Sleet and hail squall at 7 p.m. Mod. Temp. but cold night. Auroral light at 11.20 p.m.
28	Light variable winds with frequent calms during early morning. Light W.N.W. to mod. N.N.W. wind later, then a mod. North Gale. Sunny till 1.30 p.m. but very cloudy and dull later. Mild. Rain in late evening and gusts from N.N.E.
29	Mod. to fresh N. to N.N.W. Gale in early hours dropped to a calm at 2 p.m. which lasted till 5.40 p.m. Mod. North wind later. Dense fog all day except between 11 a.m. and 1.30 p.m. Heavy rain between 7 and 7.30 p.m. Warm. Sunshine for 2 hours at Midday.
30	Foggy with a light to fresh N.W. wind throughout. Mild. Few drops of rain occasionally.
31	W.S.W. to W. wind in early morning freshened to a mod. W.S.W. Gale in evening. Mod. Temp. Passing showers from a dull overcast sky.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

FEBRUARY, 1913.

Date.	Remarks.
1	W.S.W. Gale in early hours dropped to a mod. Westerly at 8.30 a.m. and then shifted to a N.W. dropping to a calm at 4 p.m. This lasted till 5 p.m. when a light N.N.W. breeze sprang up. Very cloudy. Mild. Sun showed occasionally. Dense fog in evening.
2	Mod. N.N.W. wind till 7.30 a.m. then N. till 4 p.m. when it began to shift and at 9 p.m. was blowing a fresh Gale from W.N.W. which increased to a strong Gale in late evening. Foggy all day with some light showers. Mild.
3	Strong Westerly Gale began to weaken at 5 a.m. and at 1.30 p.m. went to N.W. reaching mod. Gale force at 6 p.m. Fresh W.N.W. wind after 6.30 p.m. Mild. Very cloudy all day but sun showed at intervals. Occasional misty showers in morning.
4	Mod. to fresh N.W. wind all day. Fine bright and sunny. Overcast in evening with hills densely fogged. Warm. Hazy in evening.
5	Calm till 4.15 a.m. then strong N. wind which increased to a fresh Gale and about noon went through N.N.W. to West at 7.15 p.m. Densely foggy and raining till late afternoon. Showers in evening. Warm day but rather cold night.
6	Strong N.W. wind weakened a little at 6 p.m. Bright sunny morning. Dull and very cloudy in afternoon. Mild. Very little cloud in evening.
7	Mod. N.W. Gale till 7.30 a.m. when it weakened and went to W.N.W. but at 5.15 p.m. again went to N.W. and freshened. Misty in morning. Overcast but sun showed dimly in afternoon. Mild. Almost clear in evening. Auroral light for several hours. Arch from S.E to S.W.
8	Strong W.N.W. wind in early morning increased to a mod. Gale squally till 7 p.m. when it shifted to West. Strong wind and rain squalls. Hail at 10 p.m. Falling Temp. Sunny periods. Fragmentary Bow at 7 p.m. Auroral light from midnight till 3 a.m.
9	Strong W. to N.W. wind in early hours increased to a mod. N.W. Gale from 11.30 a.m. till 4 p.m. when it weakened and blew from W.N.W. West wind in evening. Showery all day. Foggy on hills. Sun showed dimly at intervals. Mild.
10	W.S.W. wind with some strong squalls till 11 a.m. then fresh West till 3 p.m. when it increased and passed to N.W. and blew a fresh Gale from 9 p.m. Light showers all day. Mod. Temp. Sun not seen after 1 p.m. Misty with misty showers in evening.
11	Fresh to strong W. to W.S.W. Gale till 3 p.m. with frequent rain and hail squalls. Fresh S.W. Gale the rest of the day with strong snow and soft hail squalls. Mod. day temp., but cold night. Sun showed between squalls.
12	Fresh W.S.W. Gale with frequent snow and hail squalls till 2.45 p.m. when wind veered to West with occasional hail squalls. Cold. Sunny between squalls.
13	Mod. W.S.W. to S.W. Gale in early hours went to South at 5 p.m. but during evening veered to S.W. Frequent snow and hail squalls during day. Fine but cloudy in evening. Cold. Sun showed at intervals.
14	Fresh to strong squally S.W. to W.S.W. wind till 7 p.m. when it moderated and veered to West. Hail and snow squalls during the day. Light showers in evening. Cold. Sun showed brightly frequently.
15	Fresh to strong West wind in forenoon gradually moderated towards midnight. Light misty showers in morning and foggy on hills. Shower at 7 p.m. Mod. Temp. Sun not seen.
16	Frequent calms till 9.30 a.m. then light to fresh N.W. to N.N.W. wind till 7.30 p.m. Light W.N.W. wind later. Foggy till noon when sun showed at times till 2 p.m. Mild.
17	Calm till 12.30 then light W.N.W. to fresh W. wind. Dense fog with steady rain till 2 p.m. Fine but very cloudy in evening with hills fogged. Mild.
18	Mod. to strong N.N.W. to N.N.E. wind with fog and light steady rain. Warm. Wind dropped to a calm at 10.30 p.m.
19	Calm till 5.45 a.m. then very light N.W. wind interrupted by frequent calms. Thin fog in morning but fine later. Sun shone warmly in afternoon. Fine calm evening. Warm. Light rain fell during the early hours.
20	Foggy and raining with a light to mod. S.S.E. wind which later increased to a strong Southerly. Rather cold. Light rain at 9 p.m. Hills densely fogged in evening.
21	Calm in morning with light N.W. to mod. North wind. Bright and sunny in forenoon. Evenly overcast and raining in afternoon and evening. Mild. Hills densely fogged in evening.
22	Light West wind throughout. Fine bright and sunny with scattered cloud areas. Mild. A nice day.
23	Light W.N.W. wind with frequent calms till 2.10 p.m. then light Northerly freshened to a mod. Gale which lasted through the night. Bright and sunny till 2 p.m. Rain in evening. Mild.
24	Strong W.N.W. to W. wind till 5.30 p.m. then fresh W.S.W. with several calm intervals. Light misty rain in forenoon. Very cloudy. Sun showed for brief intervals. Overcast and foggy on hills in evening. Mild.
25	Mod. to fresh N.N.W. to N. wind with dense fog and light rain in evening. Warm.
26	Foggy and Raining with a mod. N.W. wind till 1.30 p.m. then mod. W.N.W. Gale which changed through W. to W.S.W. in the evening attended by rain squalls. Mod. Temp. Clear air in evening.
27	Strong squally W.S.W. to W. wind with sleet squalls throughout the day. Sunny periods. Mod. Temp.
28	Light W.N.W. wind till 9.30 a.m. then calm till 12.30 when a mod. to fresh N. to N.E. wind sprang up and blew through the night. Mild. Sunny in forenoon but very cloudy later.

Table XI.—DAILY WEATHER REMARKS—*continued.*

## MACQUARIE ISLAND.

MARCH, 1913.

Date.	Remarks.
1	Westerly whole Gale in early morning gradually weakened and in evening dropped to a strong wind. Hail and rain squalls. Sun showed occasionally. Rain squalls in evening. High Sea. Mod. Temp. Wind velocity at 5.40 a.m. 63 miles per hour.
2	Strong W.S.W. to W. wind with light rain squalls dropped to a light Westerly in evening. Sun showed at intervals. Mild. Fine but cloudy in evening.
3	Foggy all day with occasional light showers. Strong N.N.E. wind in morning veered through N.N.W. to N.W. and weakened somewhat. Fog lifted for 2 hours at 6 p.m. Mild.
4	Fresh W.N.W. Gale with rain squalls in morning. Fine and sunny with moderating W.N.W. Gale in afternoon. Showery with a fresh N.W. wind in evening. High sea. Mild.
5	Rain squalls before 8 a.m. but fine and bright with scattered cloud and a strong W.N.W. to W. wind later. Overcast with a fresh N.W. wind in evening. Mild.
6	Overcast and calm with frequent light showers in morning. Fine but cloudy with a light W.S.W. wind after noon. Sun showed brightly at intervals. Fine evening with very little cloud and a light Westerly wind. Mod. Temp. Bright Aurora display from 11.20 till 11.45 p.m. Curtain effect noticeable. Arch stretching from S.E. to S.W. Occasional shafts of light pulsing upwards towards Zenith.
7	Fine and sunny with a mod. W.S.W. wind in forenoon. Hail squall at 11 a.m. Overcast with a mod. W.S.W. wind in afternoon but sun showed occasionally. Hail and sleet in evening with a cold squally mod. S.W. wind. Falling Temp.
8	Occasional showers with a fresh West wind in early morning. Light rain later with a mod. W.N.W. Gale. Hills fogged. Mild. Sun showed at intervals during forenoon.
9	Foggy with very light misty rain and a mod. to fresh W.N.W. wind during the day. Showers in evening with a fresh cold squally S.W. wind. Falling Temp.
10	Fine but cloudy during the day with a strong S.W. to fresh W.S.W. wind. Sun showed occasionally. Mod. Temp. Fine but cloudy evening with a light West wind.
11	Foggy throughout. Mod. W.N.W. wind in morning dropped gradually to a calm in evening. Light misty showers. Sun not seen. Mild.
12	Calm all day. Foggy in morning. Overcast and dull but no fog during the rest of the day. Mild.
13	Evenly overcast and dull throughout with a light S.E. wind alternating with calm intervals. Hills fogged in highest places. Mild. Sun not seen.
14	Evenly overcast and foggy throughout the day with a light S.E. to S.W. variable wind. Occasional light misty showers. Mild. Hills densely fogged from 200 feet upwards. Very light E.S.E. and S.E. air in evening.
15	Overcast and dull all day with a light to mod. E. to S.E. wind. Sun showed briefly at noon. Mild. Foggy on hills.
16	Foggy all day. Fresh S.S.E. wind in morning then calm. Light N.E. wind in afternoon and calm during the evening. Misty showers before 10 a.m. Sun showed once only. Mild. Vegetation very wet in evening.
17	Calm morning with a dense fog. Sun showed momentarily at noon when a fresh S.E. wind sprang up and passing through S.S.E. in afternoon blew fresh from the South in evening. Overcast and dull evening. Foggy afternoon. Mod. Temp.
18	Strong squally S.W. wind in forenoon veered through W.S.W. to West by evening weakening a little. Foggy with misty showers in the afternoon. Sun showed occasionally. Mild. Very cloudy and foggy on hills in evening.
19	Light West wind all day. Showery in forenoon. Fine but very cloudy in afternoon. Overcast with a few drops of rain in the evening. Mod. Temp. Sun showed at intervals.
20	Showery in early hours. Strong W.S.W. wind in forenoon gradually weakened dropping to a calm in evening. Sun showed brightly for short periods. Mod. Temp. Noah's Ark at 7.30 p.m.
21	Showery and foggy in forenoon with a light W.N.W. wind. Fine but cloudy with a very light West wind in afternoon. Sun showed brightly for short periods. Overcast and dull with very light S.S.W. air in evening. Falling Temp. S.S.E. wind at 6 p.m.
22	Fine but cloudy with a light gusty S.S.W. wind alternating with calms. Sunny from 10 a.m. till 1 p.m. Overcast dull and calm later. Mod. Temp. Calm cloudy and showery in evening.
23	Overcast and dull with a fresh N.N.W. wind which shifted to N. and then N.N.E. Sun not seen. Foggy and raining in evening with a fresh N.N.E. Gale. Strong squalls. High Sea.
24	Bright sunny periods alternating with rain squalls. Fresh N.W. wind in morning shifted to West by evening and rain and hail squalls occurred. Falling Temp.
25	Fine bright sunny and almost cloudless till 4 p.m. with a light W. to W.N.W. wind. Mild. Foggy with light misty rain and a strong N.W. wind in evening. Evenly overcast from 5 p.m.
26	Occasional light showers with a fresh N.W. wind. Hazy and overcast afternoon. North wind at 6 p.m. Mild. Overcast evening with fresh gusty N.E. wind. Sun showed dimly for a while at 11 a.m.
27	Foggy with light rain and a S.E. to S.S.E. light wind till evening when wind went to South and occasional showers fell. Cold. Hills fogged but clear in evening.
28	Overcast and dull with a very light W.S.W. wind. Calm intervals. Light rain in afternoon with a mod. W. to W.N.W. wind. Rain ceased at 6.30 p.m. Fine with little cloud and a gusty mod. wind from South in evening. Cold. Sun not seen. Aurora light at 11 p.m.
29	Hail in early hours. Showery with a mod. to fresh W.S.W. wind till evening. Sun showed at intervals. Fine with scattered cloud and a mod. West wind in evening. Mod. Temp.
30	Light rain with a fresh N.W. wind in forenoon. Cloudy with strong N.N.W. wind in afternoon which increased to a mod. Gale with showers in the evening. Foggy on hills. Mild. Sun showed dimly for short periods.
31	Rain squalls with a strong but moderating N.W. wind. Sunny intervals. Mild. Showery with a mod. North wind in evening. Hail squalls at 5.15 p.m.

Table XI.—DAILY WEATHER REMARKS—*continued.*

## MACQUARIE ISLAND.

APRIL, 1913.

Date.	Remarks.
1	Strong squally W.N.W. to West wind with rain hail and sleet squalls. Sun bright at intervals. Mod. Temp.
2	Fresh squally W.S.W. wind with light snow till 8 a.m. then W. to W.N.W. till 12.30. Calm till 3.40 p.m. then fresh S.E. wind till 5.45 p.m. when it became calm again. S.W. gusts later. Hail and sleet in evening. Cold. Sun not seen.
3	Mod. gusty S.W. wind till 6 a.m. then fresh to strong W.S.W. which backed to S.W. in late evening. Hail squalls alternating with bright sunny periods. Snow lying on hills. Cold.
4	Strong squally S.W. to W.S.W. wind till 3.30 p.m. then S.W. Bright sunny intervals between hail and sleet squalls. Snow lying on hills. Cold. Cloudy all day but almost clear in evening.
5	Strong squally S.W. wind till 3.30 a.m. then strong to fresh W.S.W. to W. with occasional light showers. Mod. Temp. Sun showed dimly several times.
6	Mod. to fresh W.N.W. wind till 6.30 a.m. then fresh to strong N.W. with fog on hills and mist in evening. Mild. Sun showed dimly during the day. Lightning flash in S.E. at 11 p.m.
7	Strong N.N.W. wind in early hours increased to a mod. Gale later. Misty with light steady rain. Sun not seen. Mild.
8	Mod. to fresh N.W. Gale with thin mist and light showers. Sun not seen. Mild.
9	Mod. N.W. to W.N.W. Gale till 9 a.m. then strong W.N.W. wind throughout with heavy showers from 3.30 p.m. till 5 p.m. Bright and sunny in morning. Dull and hazy in afternoon. Almost clear in evening. Mild. Auroral light. Luminous glow arch shaped. Occasional streamers.
10	W.N.W. to S.W. to W. wind during early hours then mod. Westerly till 1 p.m. Calm later. Fine but thinly overcast all day with a clear sky in evening. Mild day but cold night. Faint luminous glow from W. to S.E. developed into an arch shaped Auroral display in late evening.
11	Light S.W. wind at 1 a.m. changed rapidly through W. to N.W. and increased to a whole Gale at 6 p.m. Frequent rain squalls. Stormy day with high sea. Sun showed till 11 a.m. Wind began to drop at 6.45 p.m. but blew strongly all night.
12	Fresh N.W. Gale in early morning reached whole Gale force during the day with squalls frequently exceeding 50 miles per hour. Hail and rain squalls. Whole Gale from S.W. after 10.30 p.m. with frequent squalls over 50 miles per hour. Cold night. Very high sea. Very low Barometer.
13	Strong to fresh S.W. Gale with frequent hail and snow squalls till 7.45 p.m. then strong W.S.W. wind with hail and snow at frequent intervals. Cold. High sea. Several heavy rain showers in early afternoon. Sun showed in forenoon. Snow lying on ground.
14	Fresh West Gale in early hours decreased at 6 a.m. to a mod. W.N.W. Gale till 3.30 p.m. when it weakened somewhat. Snow lying on hills. Mod. Temp. Sun showed at intervals. Heavily clouded.
15	Fresh to light N.W. to N.N.W. wind till 3.40 p.m. then calm till 5.20 p.m. when a fresh S.E. Gale sprang up. Dense mist with light showers in early morning but light steady rain later. Cold night.
16	Strong squally S. to W.S.W. wind in early hours with frequent snow squalls. Sky almost cloudless from 10 a.m. till noon. Strong W. to W.N.W. wind after noon with sky heavily clouded. Rain squall at 4.30 p.m. Cold morning but rising Temp.
17	Fresh West wind in early hours went to W.N.W. till 4.30 p.m. then to N.W. increasing to a fresh Gale which moderated after 11 p.m. Snow lying on hills. Sun showed occasionally in morning. Mild. Evenly overcast with few drops of rain in evening.
18	Strong N.W. wind increased to a strong Gale between 3 and 4 p.m. then moderated till 6.30 p.m. when it passed to W.N.W. and blew a mod. Gale all night. Mild. Foggy with misty showers till late afternoon.
19	Mod. to fresh W. to W.N.W. Gale throughout. Very cloudy with sun showing brightly frequently. Mild Temp. Evenly overcast and hazy in evening with hill tops shrouded in mist.
20	Westerly Gale in early hours went to W.S.W. at 11 a.m. and moderating at 4 p.m. gradually veered to West. Fine bright and sunny during the day. Fine but cloudy and rather cold in evening. Mod. Temp.
21	Fresh to strong W.N.W. wind throughout. Dense fog till noon. Evenly overcast and misty on hills in afternoon and evening. Mild.
22	Strong N.W. wind in early hours increased to a fresh N.W. Gale which moderated at 5 p.m. and gradually shifted to West. Foggy till noon. Then sunny till 2 p.m. Showers in evening.
23	Strong squally W.S.W. Gale till 2 p.m. then strong squally S.W. wind till 8.30 p.m. when after 30 mins. calm a mod. but gusty S. wind sprang up. Cold. Sun showed dimly several times but heavily clouded all day.
24	Fresh to strong W. to W.S.W. wind all day. Cold. Very cloudy and dull but sun showed dimly several times. Hills clear all day.
25	Overcast and dull throughout with a fresh to mod. W. to W.N.W. wind. Cold.
26	Mod. W.N.W. wind till 5.30 a.m. then calm till 8.30 when a light gusty N. wind sprang up and blew till 11 a.m. Calm thereafter till 9 p.m. then mod. N.W. breeze. Foggy. Puffs of wind from S.E. in afternoon. Mild. Several misty showers.
27	Mod. to fresh N.W. wind dropped to a calm at noon. Foggy with misty showers after noon. Foggy and raining in evening. Mild. Sun showed several times in forenoon.
28	Fresh W.S.W. wind in morning gradually shifted to N.W. Fine and sunny during day. Showery in evening. Faint Auroral light in South at 9 p.m.
29	Mod. to strong W.S.W. to S.S.W. wind throughout with frequent soft hail and snow squalls. Heavily clouded. Cold. Sun shone brightly between squalls. Ground snow covered in evening. Auroral light for short intervals from 7 p.m. till 10.30 p.m.
30	Mod. W.S.W. wind in morning shifted to N.W. but at 6 p.m. it passed to W.N.W. and blew a mod. Gale. Very cloudy. Misty rain from 4 p.m. till 5.30 p.m. Rising Temp. Sun showed dimly several times in forenoon.

Table XI.—DAILY WEATHER REMARKS—continued.

MACQUARIE ISLAND.

MAY, 1913.

Date.	Remarks.
1	Occasional hail squalls in forenoon with a mod. W.S.W. Gale. Rain squalls in afternoon with a fresh Westerly Gale. Mod. S.W. Gale in evening with rain and light snow. Cold. Heavily clouded. Aurora light in S. from 8 p.m. till 10 p.m.
2	Fresh S.W. Gale with snow squalls in early hours backed to South and decreased to a mod. breeze in afternoon. Sun showed for short periods but very cloudy throughout. Misty showers in afternoon. Fine cloudy evening with mod. to fresh West wind. Cold. Aurora light.
3	Mod. West wind in early hours backed to S.W. at 5 a.m. and dropped to a calm at 10 a.m. which lasted throughout. Sun showed weakly during forenoon. Dull afternoon. Dense fog on hills all day. Foggy in evening. Mod. Temp. Earth Tremors at 1 a.m. and 4.56 a.m. the latter being definite.
4	Calm till 1.30 p.m. then mod. W.N.W. wind till 7.30 p.m. Calm again till 8.30 then mod. to fresh N.W. breeze. Fine but very cloudy in forenoon. Foggy in afternoon and evening. Sun showed several times in morning. Mod. Temp. Rainbow at 9 a.m.
5	Fresh N.W. wind in early hours shifted through West at 6 a.m. and blew from S.W. and W.S.W. thereafter. Showers before 8 a.m. Soft hail and sleet later and snow in evening. Sunny periods. Cold. Aurora light appeared at 7.15 p.m.
6	Fresh to strong squally S.W. wind till 5 p.m. with snow and soft hail squalls before noon. Overcast and dull in afternoon. Mist and rain in evening from 5.45 p.m. with a fresh N.W. wind. Rising Temp.
7	Strong W.S.W. to light S.W. wind in early hours with sleet squalls till 7 a.m. Overcast and dull in afternoon with a fresh W.N.W. wind. Sun showed several times before noon. Misty and raining in evening with a fresh N.N.W. wind. Rising Temp.
8	Light to mod. West wind in morning with showers but at 10 a.m. the wind backed to South freshening to a gale and accompanied by sleet and snow squalls after 1.30 p.m. Sun showed several times. Fresh S.W. wind with snow in evening. Cold.
9	Fresh cold S.S.W. to South wind during day increased to a mod. Gale in evening. Frequent snow and soft hail squalls in afternoon and evening. Sunny intervals. Ground snow covered. Very cold. Faint Aurora light appeared at intervals.
10	Mod. S. Gale began to moderate at noon and dropped to a calm at 8 p.m. Occasional snow and soft hail squalls in forenoon. Very cloudy and dull later. Ground frozen and snow covered. Very cold. Faint Aurora light appearing frequently.
11	Fresh N.W. wind in early hours with light rain. Showers till noon with a fresh W:N.W. wind. Strong N.W. wind in evening. Sun not seen. Hills fogged. Mild. Snow disappeared by evening.
12	W.S.W. mod. wind veered to West at 6 a.m. blowing freshly till 4.30 p.m. when it backed to S.W. for 1½ hours then returning to West. Sunny morning. Rain and hail squalls in afternoon and evening. Rather cold.
13	Fresh W.S.W. Gale with snow and sleet squalls began to moderate at 11 a.m. and at 1.30 p.m. a fresh wind was blowing. Rain squalls in afternoon. Light steady rain in evening from 7.30 p.m. with a fresh W.N.W. wind. Mod. Temp. Sunny intervals. Lightning flash in N.W.
14	Strong West wind in early hours increased to whole Gale at 8 a.m. and going into W.S.W. at noon increased till at 2.25 p.m. a velocity of 74 miles per hour was attained. Moderated after 6 p.m. and blew a fresh Gale from S.S.W. Fierce Rain and hail squalls. Cold. Tremendous Sea:
15	Strong S.S.W. wind in early hours began to moderate at 4 a.m. and went to S.W. dropping to a calm at noon. A mod. N.W. wind sprang up at 4.30 p.m. lasting through the night. Very dull and cold. Dense fog in evening and rising Temp.
16	Dense fog with misty showers and a light W.N.W. wind in forenoon. At 11 a.m. the wind shifted to S.S.W. and light rain fell the fog clearing rapidly. Dull in afternoon with light S.W. air. Cold. Fine and cloudless in evening with a mod. West wind.
17	Calm intervals in early hours but a fresh to strong N.N.W. to North wind blew till 8 p.m. Overcast and dull all day. Mod. Temp. Light rain squalls in evening with a fresh N.W. wind. Sun not seen.
18	Strong squally W.N.W. to W. wind with rain sleet and snow squalls during the day. Calm from 8 p.m. Sun showed at intervals. Fine with few clouds and calm in evening. Lunar Halo from 10 p.m. till 2 a.m. Ground snow covered and frozen. Cold.
19	Fresh S.S.E. wind got up at 3 a.m. and increased to a mod. Gale later going into South which change brought snow squalls in evening. Ground snow covered. Very cold and dull all day.
20	S.S.W. to S.W. Gale throughout with frequent powdery and sago snow squalls. Ground snow covered. High sea. Sun showed several times. Very cold.
21	Mod. S.W. Gale with light snow squalls began to moderate at 9 a.m. but blew freshly till 4.45 p.m. when it went through West and was was blowing a strong W.N.W. at midnight. Snow squalls till noon. Dull later. Snow covering ground. Cold.
22	Strong W.N.W. wind in early hours dropped gradually to a calm at 6.40 a.m. but at 7.20 a.m. a N.W. Gale sprang up and freshening a little went into West afternoon. Showery throughout. Hail squall at 9.30 p.m. Sun showed at intervals. Mod. Temp.
23	Strong squally W.N.W. wind till 5.15 p.m. Mod. West to strong N.W. later. Sunny in forenoon. Very cloudy and dull after noon. Light steady rain after 8.30 p.m. Mod. Temp. Calm interval between 10 and 11 p.m.
24	Fresh N.W. wind in early hours went to N.N.W. before noon and increased to a mod. Gale at 4 p.m. moderating to a fresh N.W. breeze after 7 p.m. Sunny morning. Misty rain in afternoon and evening. Mild.
25	Fresh to strong N.W. wind till 3 p.m. when it shifted to N.N.W. gradually dropping to a calm at 9.30 p.m. Fine but very cloudy day. Fine and almost clear in evening but dense fog descended at 9.50 p.m. Sun showed occasionally. Mild.
26	Mod. N.W. wind during day dropped gradually to a calm at 8 p.m. Dense fog in morning. Hazy and overcast after noon. Sun not seen. Noah's Ark at 3 p.m. Hazy in evening Hills shrouded in mist.
27	Calm till 7.30 a.m. when a S.E. Gale arose and increased to a strong Gale at 3.30 p.m. After 6 p.m. it moderated rapidly and veered to S. and S.W. Light rain from 7 a.m. Snow squalls at 6.30 p.m. Sun not seen. Cold.
28	Mod. but squally S.W. to West wind with snow during early hours. Westerly wind till 1.30 p.m. then W.S.W. to S.W. late with frequent snow squalls. Ground snow covered. Sun showed weakly. Very cold. Hoar frost in evening. Aurora light at 1.15 a.m. (very faint).
29	Westerly Gale from 3 a.m. increased to a whole gale at 5 p.m. but quickly moderated and backed to South at 5.50 p.m. In late evening a mod. S.W. Gale blew. Sleet rain in morning and afternoon. Snow squalls in evening. Ground frozen. Very cold. Faint Aurora light.
30	Strong S.W. wind with snow in early hours dropped to a light West wind at 9 a.m. but a strong N.W. to West blew the rest of the day. Sun showed till 10 a.m. Misty showers later. Mod. Temp. Hills fogged. Hoar frost in early hours. Aurora display till 11 p.m. Bright at times.
31	Light N.N.W. wind with light rain in morning but at 10 a.m. a mod. N.W. Gale arose. It weakened at 3.30 p.m. and shifted to West. Misty showers in afternoon. Mild. Hills obscured. Fine with few clouds and a mod. West wind in evening. Sun not seen.

Table XI.—DAILY WEATHER REMARKS—*continued.*

MACQUARIE ISLAND.

JUNE, 1913.

Date.	Remarks.
1	Fresh West wind in early hours dropped to a calm at 5 a.m. Hoar frost. Very light gusty E.S.E. wind got up at 10 a.m. and sleetly rain fell throughout. At 5 p.m. the wind changed rapidly to a mod. N.N.W. breeze with steady rain. Rising Temp.
2	Mod. to fresh N.N.W. wind till 10.30 a.m. then fresh Northerly throughout. Foggy. Light rain and fog on hills in evening. Mild. Sun not seen.
3	Strong squally W.N.W. wind in morning freshened to a strong N.N.W. Gale in evening. Sunny and almost cloudless till noon. Overcast and dull in afternoon and evening. Rising Temp. Misty on hills in evening.
4	Strong N.N.W. Gale in early hours weakened and veering to N.W. gradually dropped to a calm at 1 p.m. Steady rain from 10 a.m. till 1 p.m. Sun showed in late afternoon. Fine but cloudy in evening. Dew. Cold. Very light Westerly air noticeable in late evening.
5	Calm with S.W. puffs during early hours but light to fresh S.W. to S.S.W. breeze later. Calms between 6 p.m. and 9 p.m. after which a mod. Westerly breeze got up. Frequent light falls of snow. Sun showed at intervals. Ground frozen. Very cold. Auroral light appeared at 10.30 p.m.
6	Fresh W. to N.N.W. wind in morning with sleet and light snow but bright and sunny after 11 a.m. with a mod. to fresh N.W. wind. Fine evening with very little cloud and very light air from W.N.W. Snow disappearing. Cold. Auroral light at intervals from 7 p.m. Very low down.
7	Calm till 8.30 a.m. when a S.E. wind sprang up and attained whole Gale force at 4 p.m. after passing to S.S.E. This velocity was maintained till 9.30 p.m. having in the meantime veered to South. Snow squalls. High sea. Heavy gloomy sky. Very cold. Ground frozen.
8	South Gale in early hours dropped to a strong squally S.S.W. wind by 9 a.m. and at 3 p.m. had decreased to a mod. Westerly breeze. At 4.15 p.m. wind backed and by 5.45 p.m. was blowing very strongly from South. Heavy snow. Very cold. Ground frozen and snow covered.
9	Mod. to fresh S.W. to W.S.W. wind till 9 a.m. then Westerly Gale till 2.45 p.m. when wind backed through S.W. and in evening blew a mod. squally South Gale. Light snow and ice spiculae in morning. Light rain in afternoon and evening. Cold. Sun not seen. Snow disappearing from ground.
10	Fresh W.S.W. to West wind in early hours then fresh gusty Westerly till 5 p.m. when it shifted to W.N.W. Foggy in morning and evening. Heavily clouded and dull in afternoon. Mackerel sky at 6 p.m. Sun not seen. Cold.
11	Mod. to fresh W. to W.S.W. wind in morning increased to a strong W.S.W. wind during the day but it moderated somewhat in evening. Fine but very heavily clouded and dull throughout. Sun not seen. Cold. Foggy till 8.30 a.m. but very dry air later.
12	Mod. West to strong W.N.W. wind till 2 p.m. when it stayed in West for 6 hours then shifted rapidly to N.W. and increased. Overcast and dull mostly. Misty showers in morning. Almost cloudless from noon till 2 p.m. Dense fog in late evening.
13	Fresh W.N.W. Gale in early hours moderated after 3 p.m. and going through West blew a mod. South breeze in evening. Very cloudy and dull. Mod. Temp. in day but cold night. Sun not seen. Greenish yellow ring of small diameter surrounding the moon. Passing cloud producing Corona.
14	Calm till 5.45 a.m. then light N.W. wind till 9.30 a.m. Calm till 12.45 when a fresh Westerly wind sprang up. Overcast all day. Light snow at 5.30 p.m. Showers in evening. Cold.
15	W.S.W. Gale in early hours veered to West at 9 a.m. and some very strong squalls of dry powdery snow and soft hail occurred. At 4.30 p.m. the wind began to back and after moderating a little increased to a S.S.W. Gale in evening with frequent strong snow and soft hail squalls. Sun showed brightly at times. Ground snow covered and frozen. Extremely cold. Inner side of shack windows covered with thin film of ice showing beautifully shaped frost crystals.
16	Squally S.S.W. to S.W. wind with snow and soft hail squalls till 9.30 a.m. when wind began to veer and at 1 p.m. shifted to N.W. but passed to W.N.W. in evening. Snow squalls till 3.30 p.m. Hail at 8 p.m. Showery in late evening. Very cold. Halo (no colour) at 7.45 p.m. Ground snow covered. Sun showed.
17	Fresh W.N.W. Gale in early morning with showers dropped to a strong wind at 8.30 a.m. and at 10 a.m. went through W to South but veered to S.W. in evening and moderated. Light powdery snow and soft hail squalls in afternoon and evening. Very cold. Sun showed at times. Corona in evening.
18	Calm till 4.30 a.m. then light South wind till 9 a.m. when it again became calm. Southerly puffs later. Ground snow covered. Fine but heavily clouded. Very cold.
19	Light to strong S. to S.W. wind till 5 a.m. when it shifted rapidly to W.N.W. blowing a fresh squally Gale the rest of the day. Showery in morning and evening. Fine from 10 a.m. with sun showing brightly till 3 p.m. when it became very cloudy. Mod. Temp.
20	Fresh W.N.W. Gale till 4 p.m. with occasional fierce squalls of rain hail and sleet during the day. Light rain and hail with a strong West wind till 9.30 p.m. then fresh W.S.W. wind later. Lunar Corona from 6 p.m. till 7 p.m. Colours ill defined. Sun showed at intervals. Cold.
21	Fresh S.W. to W.S.W. wind till 12.40 then calm. Light snow in morning and afternoon. Heavily clouded all day. Low Temp. Sun not seen. Ground snow covered but thawing in evening.
22	Calms early. Light South wind in morning veered later to W.S.W. and freshened. Coarse fog banks drifting across the Island. Sun showed occasionally. Dense fog in evening but rifts show clear sky. Frag. bows at 11 a.m. and 2 p.m.
23	Mod. to fresh W.S.W. to W. wind in early hours went to W.N.W. for a few hours after noon but shifted to West again in evening. Dense coarse fog during day. Misty with dense fog on hills in evening. Sun not seen. Rather cold.
24	Fresh West wind in early hours increased to a W.N.W. Gale at 8 a.m. but at 4 p.m. weakened a little and shifted to West. Dull morning. Misty showers in afternoon. Overcast and thinly misty in evening but hills densely fogged. Sun not seen.
25	Strong West wind till 9 a.m. weakened and at 12.30 shifting through W.S.W. to S.W. at 4 p.m. but veered to West in evening. Coarse fog banks drifting past. Hills densely fogged. Cold. Fine but dull in evening. Sun not seen.
26	Mod. West wind till 6.30 p.m. then very light S.W. puffs alternating with calm intervals. Evenly overcast. Sun not seen. Mod. Temp. Showers with a very light S.W. to W. wind in evening. Hills fogged.
27	Calm intervals alternating with light N.N.W. wind till 1.45 p.m. when wind freshened and at 8 p.m. went to N.W. but shifted to West in late evening. Dense mist from 10 a.m. Misty showers. Hills densely fogged. Sun not seen. Mild.
28	Westerly Gale in early hours decreased at 4.30 a.m. and blew fresh from W.N.W. increasing to a Gale in evening. Dense mist. Mod. Temp. Sun not seen.
29	Fresh W.N.W. Gale in early hours weakened a little after noon but at 7 p.m. went to N.W. and increased to a fresh Gale. Misty throughout. Mild. Sun not seen.
30	Fresh N.W. Gale weakened at 4 a.m. and shifted to W.S.W. at 8 a.m. blowing strongly till noon. It then decreased and at 5.30 p.m. went into West. Fine but cloudy during day. Fine with very little cloud in evening. Sun showed frequently. Faint Auroral light low down in South.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JULY, 1913.

Date.

- 1 Fresh West wind in morning increased and blew strongly from N.N.W. in evening. Heavily clouded. Sun showed at times before noon. Rising Temp.
- 2 Fresh N.N.W. Gale in early hours began to shift and moderate at 6 a.m. but freshened at 10 a.m. into a fresh N.W. Gale till 11 a.m. After noon a strong W.N.W. wind gradually increased till evening reaching strong Gale force. Showers and hail. Mod. Temp. Sun showed at intervals.
- 3 Fresh W.N.W. and W. Gale in early hours dropped to a strong Westerly between 3.30 and 5.15 a.m. but then went into N.W. and blew a hurricane till 5 p.m. It changed quickly to West moderating rapidly and at 8 p.m. dropped to a fresh West breeze. High sea. Sun not seen. Showery in evening.
- 4 Squally Westerly Gale till 4 a.m. then fresh W.S.W. Gale with soft hail and snow till 8.45 a.m. Very strong S.W. wind later with snow and soft hail squalls. Ground frozen and snow covered. Sun showed between squalls. High sea. Very cold.
- 5 W.S.W. to W. to N.W. wind in early hours increased to a strong Gale from the latter point in afternoon and evening with light rain. Fine but very cloudy in morning. Rising Temp. High sea. Snow thawed rapidly.
- 6 W.N.W. Gale till 2.30 a.m. then fresh West Gale which shifted to W.N.W. again at 8 a.m. blowing a fresh Gale till 5 p.m. Strong N.W. wind later with light showers after 7 p.m. Tremendous Sea. Sun showed fitfully.
- 7 Fresh N.W. Gale in early hours reached whole Gale force from N.N.W. between noon and 1.30 p.m. but it then suddenly weakened and shifted to W.N.W. dropping by evening to a fresh breeze. Showers from 10 a.m. till noon. Falling Temp. Fine clear evening. Very faint Auroral glow late in evening.
- 8 Calm between 2 and 3 a.m. then mod. S.E. till 7 a.m. Calm till 7.40 a.m. then fresh S.S.E. wind which strengthened veering later through S. to S.W. Sleet in forenoon. Gloomy afternoon. Snowing in evening. Ground frozen. Very cold. Very faint Auroral glow late at night.
- 9 Calms alternating with light S.W. squalls in early hours but mod. W.S.W. breeze then sprang up though many short calms occurred till 5 p.m. Mod. West wind in evening increased to a Mod. W.N.W. Gale. Rainbow at 9.15 a.m. Bright sunny afternoon. Hail at 4 p.m. and 7 p.m. Cold. Corona in evening small diameter.
- 10 Strong West wind with showers till 7.30 a.m. Fine and clear with a light S.W. to W. wind till noon. Mod. W.N.W. wind and fine in afternoon. Fine and clear till 10.15 p.m. with a fresh N.W. wind. Cold. A nice day.
- 11 Strong N.W. to N.N.W. wind till 7.50 a.m. then fresh Northerly Gale with showers. Wind shifted to N.W. just before noon and increased in strength while steady rain fell. Wind dropped to a calm at 8 p.m. Cold. A fierce hail squall at 2 p.m. with a wind velocity of 58 miles per hour. Fine clear evening.
- 12 Fresh West to W.N.W. Gale till 10 a.m. then it gradually weakened to a calm at 1.35 p.m. Light rain squalls in morning. Sunny till 2 p.m. N.E. puffs during evening. Dull in late afternoon but clear in evening. Mild.
- 13 Calm till 5.30 a.m. then a mod. N.W. wind sprang up and at 1 p.m. increased reaching fresh Gale force from N.N.W. between 6.15 and 7.15 p.m. It afterwards shifted to West. Dull morning. Light rain in afternoon. Mild. Squally with snow in evening. Cold.
- 14 Strong West Gale in early hours increased to a whole Gale from W.S.W. during the day but weakened at 6 p.m. gradually dropping to a mod. West breeze. Sleet and rain in forenoon. Heavily clouded and dull in afternoon. Rain squalls in evening. Cold. Lunar Halo 22° and Lunar Corona very small diameter.
- 15 Strong West wind till 6.40 a.m. then mod. S.W. till noon. Calm the rest of the day. Bright and sunny. Cloudless and calm in evening. Cold. Hoar frost. Ground frozen. Faint Auroral light at intervals after 7.20 p.m.
- 16 Fine and clear till 1 p.m. with a light N.W. wind. Very light W.N.W. air in afternoon and thinly cloudy. Overcast in evening with a fresh N.W. breeze. Mod. Temp. Corona formed by passing clouds. Small diameter. Auroral light behind cloud masses.
- 17 Calm in early hours but N.N.W. air noticeable. Mod. to light N.N.E. to N. wind from 1 p.m. till 7.30 p.m. then calm. Dense coarse fog all day. Mild. Sun not seen. Vegetation very wet. Very light air from between N. and E. noticeable in evening.
- 18 Densely foggy and calm throughout. Lunar fog bow from 6 p.m. till 6.40 p.m. Broad white arc. Extremely light S.E. air noticeable at times. Mild. Fog bow at noon when sun showed momentarily.
- 19 Calm till 8.15 a.m. then a fresh N.W. wind arose and shifting later to N.N.E. increased to a Gale. Fog lifted at 6 a.m. Sun showed at intervals but very cloudy all day. Light showers in evening. Mild. Hills fogged.
- 20 Northerly Gale till 2 a.m. then fresh S.W. wind with light snow squalls till 8 a.m. Fresh to strong S. to S.S.E. wind the rest of the day. Sun shone brightly at intervals. Cold. Fine and almost clear in evening. Ray effect in S.S.E. at 1 p.m. Corona formed by passing clouds.
- 21 Light S.W. wind till 3 a.m. then calm with puffs from W.S.W. till 6 p.m. when a mod. West breeze sprang up. Hoar frost in early morning. Ground frozen. Sunny till 1 p.m. but heavily clouded later. Misty showers in evening. Corona from passing clouds. Cold.
- 22 Mod. W.N.W. wind in early morning increased to a mod. N.W. Gale at 3 p.m. when it began to shift through West and at 9 p.m. a W.S.W. Gale was blowing. Foggy in morning. Light rain in afternoon. Snow and hail squalls in evening. Ground frozen. Cold.
- 23 W.S.W. Gale with snow and hail squalls in forenoon. Fresh West Gale with fierce snow and hail squalls in afternoon. Fresh W.N.W. Gale with snow and hail squalls in evening. High sea. Ground snow covered. Sunny intervals. Cold.
- 24 West Gale till noon then fresh W.S.W. Gale with very strong soft hail and powdery snow squalls. Sunny periods. High sea. Ground snow covered. Frequent fierce soft hail and snow squalls with a fresh West Gale in evening. Very cold.
- 25 Strong squally W.S.W. to South wind during day with frequent snow and soft hail. Sun showed briefly. Ground snow covered. Very cold.
- 26 Light S.W. wind till 5.30 a.m. then calm till 12.20 when a light Northerly blew till 5.30 p.m. This wind went into N.W. and freshened. Light snow from early morning till 4 p.m. Light rain in evening. Very cold. Ground snow covered but thawing in evening.
- 27 Fresh Westerly Gale till noon with frequent soft hail and snow squalls. Heavily clouded with a fresh S.W. wind and frequent snow squalls in afternoon. Occasional snow squalls with a fresh South wind in evening. Very cold. Sun showed. Ground frozen. Auroral light for a few minutes.
- 28 Fresh W. to N.W. wind. Light rain till noon. Misty till 1 p.m. Rather cold. Fine and clear in evening with a mod. W.N.W. breeze. Sun not seen. Very faint Auroral light in S.S.E. at 9 p.m.
- 29 Calm from 1 a.m. till 3 a.m. then a light N.W. wind sprang up and increased during the day. Very cloudy. Showery in early morning. Dense fog bank over hills. Sun showed briefly twice. Mod. Temp.
- 30 Fresh to mod. N.N.W. to North wind till noon then calm till 6.20 p.m. though puffs from N.E. were noticeable. Light to fresh S.E. wind later. Overcast and dull during the day. Foggy in evening with a few drops of rain. Mild. Light rain in late evening.
- 31 Fresh S.S.E. wind till 6 a.m. then calms alternating with a light N.N.W. wind for the rest of the day. Fine morning but fog banks drifted across the Island later. Dense fog in afternoon. Calm and almost clear in evening. Rather cold.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

AUGUST, 1913.

Date.	Remarks.
1	Light steady rain in forenoon with a light to fresh E. to N.E. wind. Calm in early hours. Strong gusty Northerly wind in afternoon and evening. Mild. Sun not seen. Light rain in evening. Foggy on hills.
2	Mod. N.W. to N.N.W. wind till noon with sun showing brightly. Evenly overcast in afternoon with light rain and a fresh gusty North wind. Light rain with a fresh N.N.W. wind in evening. Rising Temp. Hills shrouded in mist at 9 p.m.
3	Strong N.N.W. wind in early hours increased to a whole Gale at 10.40 a.m. Max. velocity 63 miles. It began to moderate after 3 p.m. but blew strongly throughout. Frequent sunny periods. Mod. Temp. Fine clear evening. Tremendous sea. Bright Auroral light in South.
4	Fresh to mod. N.N.W. wind dropped to a calm at 4.40 p.m. which lasted till nearly midnight. Occasional variable puffs. Bright and sunny nearly all day. Cold night. Dew. Fine clear evening.
5	Light W.N.W. to W. wind till 2 p.m. then calm throughout. Fine and clear except for horizon cloud. Cold. Ground frozen in evening. Hail showers occurred during early hours of the morning. Arch-shaped Aurora stretching from S.E. to S.W. appeared at 7.45 p.m.
6	Fresh to strong squally E. to N.E. wind till 12.15 with light rain till 1 p.m. Very cloudy later with a fresh N.N.W. wind. Sun showed at intervals during afternoon. Clear sky in evening with huge fog bank over hills. Mod. Temp.
7	Light North wind for several hours in early morning with showers. Fresh N.W. Gale from 4.45 a.m. dropped gradually to a calm at noon. At 3 p.m. a light N.W. to N.N.W. wind sprang up lasting throughout. Dense fog after 10 a.m. Sun not seen. Mod. Temp.
8	Fresh N.W. to W.N.W. wind till 7 p.m. then light W.N.W. later. Dull and cloudy all day with an occasional shower. Sun showed briefly several times. Mod. Temp. Sheet lightning in S.E. at 10.20 p.m. several discharges in rapid succession. Similar occurrence shortly after midnight.
9	Calms in early hours but fresh N.W. wind from 5 a.m. which began to moderate at noon and dropped to a calm at 4.15 p.m. Dense fog all day. Several misty showers before noon. Mod. Temp.
10	Calm till 7.10 a.m. but light North wind till 10 a.m. then calm till 4.15 p.m. when a light N.W. wind arose lasting throughout. Foggy in morning. Overcast later. Sun not seen. Mod. Temp. Fog bank on hills in evening.
11	Light N.W. wind till 6 a.m. then calm till 3.50 p.m. when a fresh S.E. breeze sprang up but veered to South in evening. Dull morning. Light steady rain in afternoon. Light snow in evening from 4.30 p.m. Cold. Sun not seen.
12	Snow squalls with a strong cold S.S.E. to S. wind in forenoon. Sun showed several times. Dull and cold in afternoon with a fresh S.S.W. wind. Heavily clouded and very cold in evening with mod. South wind. Coronæ formed by passing clouds.
13	Light S.W. to W. wind during day. Light snow squalls in morning. Calm intervals during the day. Overcast dull and cold in afternoon and evening. Sun showed briefly at rare intervals. Ground frozen.
14	Strong W. to W.N.W. wind throughout. Hail squalls in morning. Light showers in afternoon. Fine but very cloudy in evening. Coronæ of small diameter. Rather cold. Sun showed occasionally.
15	Fresh W.N.W. wind till 8 a.m. then mod. to strong N.W. throughout. Sun showed several times but generally overcast and dull. Cold
16	Mod. N.W. Gale in early hours decreased to a strong wind from 8 a.m. and at 4 p.m. shifted to N.N.W. and blew freshly throughout. Sun showed several times after noon but generally overcast and dull. Mod. Temp.
17	Overcast and hazy with a strong N.N.W. wind till noon when sun came out and a bright afternoon resulted. Light N.W. wind in afternoon increased during evening. Mod. Temp. Hazy in evening but sky almost clear. Faint white Halo at 9 p.m.
18	Mod. N.W. Gale in early morning dropped suddenly at 9.30 a.m. to a fresh wind and later calm intervals occurred. Misty and showery early but sunny periods from 10.30 a.m. Noah's Ark at 1 p.m. from S.E. to N.W. It seemed to turn on S.E. axis and travelled Easterly afterwards. Very small Lunar Corona at 9 p.m. with outside red only just discernible.
19	Strong N.W. wind and very foggy till 8 p.m. Sun not seen. Several showers in forenoon. Mild. Fresh to strong N.N.W. wind in evening and heavily clouded.
20	Fresh N.W. Gale in morning moderated during the day and blew from N.N.W. strongly in evening. Misty. Frequent heavy showers in evening. Mild. Sun not seen.
21	Fresh N.N.W. wind till noon with misty showers. Light snow with a strong squally S. to S.S.E. wind in afternoon. Fine in the evening with very little cloud and a mod. South wind. Falling Temp. Sun not seen.
22	Very light S.W. wind with sleet in morning. Calm in late afternoon and evening but a light West air noticeable. Heavily clouded but sun showed occasionally. Cold. Very cloudy in evening. Auroral light in S. and S.W. almost obscured by clouds.
23	Fresh W. to N.W. wind till 10 a.m. Fresh cold S.S.E. to S.S.W. wind later. Sleet and snow squalls from 10 a.m. Very cold. Dull morning. Sun not seen. Auroral light in S. from 7 p.m. till 1.5 a.m.
24	Strong cold S.W. wind with snow in early hours. Fresh squally W.S.W. wind in late afternoon and evening. Cold. Dull morning but sunny later. Fine but cloudy in evening. Faint Auroral glow for a few minutes at 9.30 p.m.
25	Fresh W.S.W. to very light West wind till 10 a.m. when a fresh W.N.W. wind blew throughout. Sunny day with very little cloud. Fine with scattered cloud in evening. Rather cold. Very faint Auroral glow for a few minutes at 10.15 p.m.
26	Fresh W.N.W. to strong N.N.W. wind during the day. Sun not seen. Very cloudy evening. Mod. Temp. Fog bank over hills at night.
27	Strong N.N.W. to N.W. wind till 8.20 p.m. then fresh West breeze the rest of the evening with light Rain. Very cloudy all day. Sun showed briefly in early morning. Mild but falling Temp.
28	Fresh W.S.W. to light S.W. wind with sleet in morning then calm till noon when an increasing W. to N.W. wind sprang up. Fine and bright in morning. Dull afternoon. Misty and raining in evening. Mod. Temp.
29	Strong N.W. wind all day. Dense mist with light showers. Sun not seen. Mild.
30	Fresh to strong N.W. wind shifted through West into South and blew with mod. force from that point during afternoon and evening. Misty in morning. Sleet in afternoon. Snow and soft hail in evening. Cold night. Sun showed briefly.
31	Mod. S.S.W. wind with snow and soft hail squalls. Frequent calms. Very light to mod. West wind in afternoon and evening. Cold. Ground frozen. Dull throughout. Very faint Auroral glow behind cloud masses from 10.20 p.m. till 11.15 p.m.

Table XI.—DAILY WEATHER REMARKS—*continued.*

## MACQUARIE ISLAND.

SEPTEMBER, 1913.

Date.	Remarks:
1	Strong N.W. to N.N.W. wind with sleet showers till 4.15 p.m. when wind shifted gradually to West blowing a strong Gale in the evening. Misty during the day. Cold. Very cloudy in evening. Sun not seen.
2	Fresh West Gale till 10.30 a.m. when wind went to W.S.W. and weakened somewhat. Frequent hail squalls after 10 a.m. Very Cold. Fine and sunny intervals. Auroral light appeared at 9.5 p.m.
3	Strong W.S.W. wind with soft hail squalls till noon when wind shifted through West and at 4.30 p.m. was blowing a Gale from N.W. Sunny intervals in forenoon. Overcast and dull in afternoon. Showers in evening. Mod. Temp.
4	Calm intervals in early hours but a light S.E. wind sprang up at 7.30 a.m. increasing in force and veering to S.S.E. at 10 a.m. when sleet and snow began to fall. At 6 p.m. wind veered through South and at 9 p.m. blew freshly from S.S.W. Very cold. Sleet in evening. Auroral light behind clouds at 10.15 p.m. and 11 p.m.
5	Strong S.W. to W.S.W. to West wind through the day. Soft hail squalls alternating with bright sunny intervals. Calm from 6.15 till 8 p.m. when a light W.N.W. wind blew for 2 hours and an hour's calm ensued. Strong Northerly wind later. Fine clear evening. Very cold. Auroral glow from 9.15 p.m. till 11 p.m.
6	Fresh to strong North wind till 10 a.m. with steady rain. Strong N.W. wind with sunny periods the rest of the day. At 8.30 p.m. wind shifted to N.N.W. and light steady rain fell. Mod. Temp. Several hail squalls at noon.
7	Westerly hurricane in early morning blew with gradually decreasing force throughout the day. Frequent fierce snow and sleet squalls. Sun showed momentarily. Tremendous sea. Cold.
8	Fresh W. to light S.W. wind till 10 a.m. then light S. to S.S.E. to S. wind with light sleet and some snow. Heavy snow squall at 5 p.m. with snow squalls in evening. Very cold. Ground snow covered. Sunny till 1.30 p.m. Very faint whitish Halo from 9.15 till 10 p.m. Auroral light at 11 p.m.
9	Light variable wind between N.E. and S.W. showers of snow and sleet. Sun showed dimly at times but very cloudy all day. Fresh N.N.W. wind sprang up at 5 p.m. and increased to a fresh N.W. Gale later. Light showers after 3 p.m. Cold. Auroral display from 9.45 till 10.55 p.m. Earth tremor at 2.37 a.m.
10	Calm for several hours in early morning but a strong S.W. wind with soft hail and snow squalls lasted through the day. Very cold. Ground frozen and snow covered. Very heavily clouded.
11	Squally S.W. Gale with soft hail and snow till noon. Ground frozen. Sunny periods. Overcast and dull in afternoon with sleet and a strong W.N.W. wind. Whole Gale from N.W. in late evening with showers. Rising Temp.
12	Whole Gale from W.S.W. in early hours backed to S.W. and weakened somewhat afterwards dropping to fresh breeze by evening. Fierce powdery snow squalls and some soft hail. Ground snow covered. Tremendous sea. Very cold. Sun showed at intervals.
13	Fresh W.S.W. wind in early morning veered to West at 7 a.m. but shifted to W:N.W. in late afternoon and dropped to a light breeze. Sunny periods. Very heavily clouded in afternoon and evening with sleet showers. Cold.
14	Overcast and dull all day with a mod. to fresh N.E. to E. wind. Sun not seen. Mod. Temp. Very high Barometer.
15	Fresh East wind till 5 a.m. then calm till 7 a.m. when a fresh N.W. wind sprang up and shifted later to N.N.W. Evenly overcast and thinly foggy all day. Mild. Sun not seen but sky broke for a few minutes at 10.30 a.m.
16	Strong N.N.W. wind till 7 a.m. when, dropping for a few minutes, it began to blow freshly from S.S.W. backing later through S. to S.E. and weakening. Sleet and snow before noon. Fine but cloudy in afternoon. Sun showed at intervals. Fine clear evening. Ground frozen.
17	Mod. S.W. breeze in early hours backed to S.E. at 6 a.m. where it remained till noon bringing a dense Scotch mist. Calm from noon till 4.40 p.m. when a mod. Westerly sprang up freshening later and backing to W.N.W. Sun not seen. Fine but cloudy in evening. Cold. Faint Auroral light at 8.15.
18	Very strong W.N.W. wind in early hours dropped to a light breeze at 7 a.m. but at 10 a.m. a strong N.W. wind arose and increased to a fresh Gale during the day. Overcast early but fine and sunny from 9.30 a.m. Showers at 10.30 a.m. Mod. Temp. Overcast in evening.
19	Strong to fresh N.W. Gale in early hours lasted through the day shifting to N.N.W. in the evening. Overcast and hazy. Sun not seen. Mild.
20	Strong N.N.W. wind till 4.30 a.m. Mod. S.W. till 6 a.m. then calm till 11 p.m. when light puffs came from North. Misty till 1 p.m. Fine but cloudy with sunny periods in afternoon. Mild. Fine and clear in evening.
21	Very light North wind alternating with calms till 7 a.m. when a fresh W.N.W. wind sprang up shifting to N.W. then back to W.N.W. during the day. Showers. Sun showed for short periods. Mod. Temp. Auroral light at 10 p.m.
22	West Gale in early hours went to W.N.W. at 8 a.m. and then to N.W. increasing to a strong Gale at 3 p.m. It began to weaken at 6 p.m. and at 9 p.m. had dropped to a strong W.N.W. breeze. Cloudy all day. Hazy evening. Sun showed at times. Mod. Temp. Auroral light from 10 p.m. to 1.30 a.m.
23	Heavily clouded and hazy with a strong N.W. to fresh W.N.W. wind. Sun showed briefly. Misty in evening with occasional misty showers and a fresh W.N.W. wind. Mod. Temp. Auroral light behind clouds from 10 p.m. till midnight.
24	Fog banks drifting across the Island with a strong N.W. wind. Sunny periods. Mod. Temp. Fine but cloudy with a fresh N.W. wind in evening. Hills fogged. Signs of Auroral light behind cloud.
25	Foggy with a mod. to fresh N.W. to N.N.W. wind. Mod. Temp. Sun not seen.
26	Calm for 2 hours in early morning but at 4 a.m. a N.N.E. wind sprang up and blew strongly till 8 p.m. when it shifted to North and weakened. Foggy with occasional very light misty showers. Mild.
27	Strong squally West wind till 8 a.m. then fresh W.N.W. to N.N.W. to West afterwards. Light rain squalls in morning and evening. Sky cloudless from 1.15 p.m. till 2.45 p.m. Mod. day Temp. Cold night.
28	Fresh W.N.W. wind in early hours shifted to N.N.W. at 8 a.m. and increased to a Gale. At noon it passed to N.W. and after a gradual moderation increased again to a Gale. Showery all day. Mod. West Gale with rain squalls in evening. Rather cold. Auroral light.
29	Strong W.N.W. wind till noon. Bright and sunny till 11 a.m. then rain till noon. Hail till 1.15 p.m. then heavy snow till 2.30 p.m. W.S.W. Gale till 2.30 p.m. then fresh S.W. wind till 3.30 p.m. when it passed to W.S.W. still blowing strongly. Soft hail and snow in evening. Very cold.
30	Strong West wind till 7.30 a.m. then mod. W.N.W. to N.W. to N.N.W. Gale. Sun showed briefly several times. Very cloudy all day. Light rain in evening. Mod. Temp.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

OCTOBER, 1913.

Date.

Remarks:

- 1 Strong squally W.S.W. to W. wind with sleet showers in early morning. Frequent snow and soft hail in afternoon and evening with a W. to W.N.W. to S.W. wind. Cold. Sunny intervals. Ground frozen in evening. Auroral light in South.
- 2 Frequent snow and soft hail squalls till 1 p.m. with very strong S.W. to W.S.W. wind. Heavily overcast in afternoon but sun showed at intervals. Occasional light Soft hail with mod. W.S.W. Gale in evening. Very cold. Auroral light behind cloud masses.
- 3 Evenly overcast and hazy with a fresh W.N.W. Gale during day. Misty showers and a fresh West wind in evening. Mod. Temp.
- 4 Dense mist with a fresh W.N.W. wind till noon when mist thinned showing hills densely fogged. Hazy in evening. Mod. Temp. Sun not seen.
- 5 Evenly overcast and foggy on hills with a strong N.W. wind which increased to a fresh gale in evening. Mild. Sun not seen.
- 6 Foggy with a mod. N.W. Gale till 6.30 p.m. when wind changed to S.W. for an hour veering to West and blowing from that point the rest of the day. Mild but rather cold night Coronae at 8 p.m. formed by passing clouds.
- 7 Evenly overcast and foggy on hills till 10 a.m. with light N.W. air. Strong N.N.W. wind till 8.30 p.m. then fresh North Gale with showers. Mild. Fog became denser after noon. Sun not seen.
- 8 Strong W.N.W. to N.W. wind. Bright and sunny till 11 a.m. when hail sleet and snow squalls occurred till 1 p.m. Strong W.N.W. wind after noon but fresh West with showers in evening. Rather cold. Falling Temp. S.W. wind towards midnight. Auroral light from 7.30 p.m.
- 9 Strong N.W. wind increased to a fresh Gale in evening. Occasional misty showers. Sun showed dimly several times. Mild.
- 10 N.W. Gale began to moderate in early hours but increased again at 1.30 p.m. and at 11 p.m. was blowing a whole Gale from W.N.W. Evenly overcast and misty during the day but broken sky in evening. Mild. Sun not seen.
- 11 Fine and sunny all day with a strong squally West wind. Cloudy in late afternoon and evening. Mod. W.N.W. Gale from 4.30 p.m. Rather cold but rising Temp.
- 12 Fine but heavily clouded with a weakening W.N.W. wind. Sun showed occasionally. Fresh West wind from 4.45 p.m. Mod. Temp.
- 13 Fresh to mod. W.N.W. to N.W. wind with sky heavily clouded. Sun showed briefly occasionally. Very cloudy with a light W.N.W. air in evening. Mod. Temp. Foggy on hills. Coronae at 7.40 and 8 p.m. Colours pronouncedly bright for several minutes at 8 p.m. Very faint concentric effect of very light bluish green colours.
- 14 Misty all day with a light to strong North wind. Sun showed dimly several times but brightly in early morning. Mod. Temp.
- 15 Fresh N.N.E. Gale till 10.45 a.m. when it dropped to a fresh breeze and at 6 p.m. went to North dropping to a calm at 10.30 p.m. Evenly overcast and thinly misty all day. Mild. Dense fog on hills. Sun not seen.
- 16 Fresh S.E. to S.S.E. wind from 2 till 6 a.m. then calm till 7.30 a.m. when a strong squally N.N.E. wind sprang up and blew till 1.30 p.m. shifting then to North. Steady rain from 2 till 8 a.m. Misty rain later. At 4 p.m. wind went to South and frequent snow squalls occurred. Cold night. Sun showed brightly from 10 till 11 a.m.
- 17 Strong to mod. W.S.W. wind till 10 a.m. then fresh Westerly. Light snow squalls during day. Heavily clouded and dull in evening with wind shifting to W.N.W. Cold. Sun showed between squalls. Very faint Auroral glow at 11 p.m.
- 18 Fresh W.N.W. wind in early morning shifted to N.W. and N.N.W. increasing to a fresh Gale at 6 p.m. shortly afterwards passing to W.N.W. and decreasing. Fine bright and sunny in forenoon. Overcast with misty rain in afternoon. Fine but cloudy in evening. Auroral light from 10 p.m.
- 19 Very cloudy and dull with a strong West wind till 3.30 p.m. when it shifted to W.N.W. and weakened. Sun showed several times. Rather cold. Heavily clouded in evening.
- 20 Fresh N.W. Gale till 4.30 p.m. with misty showers. Wind changed rapidly through W. to S.S.W. in evening and blew a fresh Gale while frequent hail squalls occurred. Sun showed brightly from 1.15 till 2 p.m. Mild day. Cold night. Heavily clouded.
- 21 Mod. N.W. wind in morning increased to a fresh N.N.W. Gale before noon. Rain fell till 1.30 p.m. Wind changed to W.N.W. at 5 p.m. and going through West blew a fresh W.S.W. Gale in evening. Hail in late afternoon. Cold night. Sun showed dimly occasionally.
- 22 Fresh W.N.W. wind in early hours increased to a N.W. Gale in afternoon and evening. Fine and sunny in forenoon. Fine, but cloudy in afternoon. Hazy and overcast with showers in evening. Mild.
- 23 Fresh to strong N.W. Gale till 9 a.m. with misty rain. Wind shifted to West in afternoon and occasional sleet and snow squalls occurred. Sun showed in late afternoon. Fine but cloudy in evening with a strong West wind. Cold.
- 24 Strong W. to W.N.W. wind all day. Light hail squalls in early hours. Fine but cloudy later with bright sunny periods. Fine cloudy evening. Cold.
- 25 Strong W.N.W. wind increased to a fresh N.W. Gale at noon but weakened and shifted to West at 7.30 p.m. Very cloudy but sun showed briefly several times. Mod. Temp. Two light hail squalls before noon. Fine but cloudy evening. Faint Auroral glow in late evening.
- 26 Snow and hail with a fresh W.S.W. Gale in morning. West to N.W. Gale in afternoon and evening with light misty showers. Rising Temp. Brief sunny intervals.
- 27 Mod. W.N.W. Gale in forenoon weakened to a strong West wind in afternoon and dropped to a calm at 7 p.m. but at 9.15 p.m. a strong N.W. wind arose. Fine sunny morning but very cloudy after noon. Light sleet in evening. Rather cold.
- 28 Fresh S.W. to W. wind in morning with snow and hail squalls. Bright sunny intervals. Mod. W.S.W. Gale in afternoon and evening with snow squalls. Very cold. Very heavily clouded. Auroral light behind cloud masses at 11 p.m.
- 29 Strong squally W.S.W. wind in early hours but mod. to fresh Westerly the rest of the day. Very heavily clouded throughout but sun showed occasionally. Rather cold.
- 30 Overcast and dull all day. Mod. N.W. wind dropped to a calm at 5.15 p.m. but at 7.30 p.m. a light Northerly wind sprang up. Sun showed for an hour in early afternoon. Mild.
- 31 Light rain all day with a fresh to strong S.E. wind. Sun not seen. Light rain with dense mist on hills and a mod. S.S.E. wind in evening. Mod. Temp.

Table XI.—DAILY WEATHER REMARKS—*continued*.

MACQUARIE ISLAND.

NOVEMBER, 1913.

Date.

Remarks:

- 1 Foggy with a mod. S.S.E. wind but several calms during day. Mod. W.S.W. wind in evening. Mild day but cold night. Sun showed dimly.
- 2 Fine morning with a light West wind. Calm from 9.30 till 11 a.m. then mod. N.W. wind till 8.30 p.m. when it again became calm. Sunny day with very little cloud. Mild. Fine but cloudy in evening. Auroral display after 11.30 p.m.
- 3 Calm till 5.30 a.m. then mod. to fresh North wind till 8.45 p.m. when it again became calm. Fine sunny day almost clear sky till evening when much cloud appeared. Mild.
- 4 Calm intervals during early hours then light N.N.E. wind till 11 a.m. when it shifted through North to W.N.W. Light rain till noon. Sunny periods from 12.30. Fine and clear evening. Mild. Auroral light after 10 p.m.
- 5 Light S.W. wind from 2 a.m. till 6 a.m. when it backed through South to S.E. and increased to a fresh Gale. Light snow squalls before noon. Heavily clouded and dull later. Cold. Sun not seen.
- 6 Mod. S.E. Gale during early morning went to S.S.E. before noon and blew strongly from that point throughout. Foggy all day very coarse and dense in evening. Rather cold. Sun not seen.
- 7 Fresh South wind began to moderate at 11 a.m. and at 7 p.m. dropped suddenly to a calm. Fine but cloudy all day. Sun showed brightly at intervals. Cold. Cloudy and calm in evening. Faint Auroral glow from 9.30 p.m. till 1 a.m. Noah's Ark at 6.45 p.m.
- 8 Mod. S.W. wind in early hours veered to West at 4 a.m. and increased to a mod. Gale from that point during the day and evening. Very cloudy all day but sun showed briefly. Foggy on hills. Cold. Coronæ (passing cloud formation) in evening.
- 9 Strong West wind in morning shifted to W.N.W. at 11.30 a.m. and to N.W. in late afternoon increasing to a mod. Gale. Sun not seen. Overcast and thinly misty. Several misty showers in evening. Fog on hills. Mod. Temp.
- 10 Mod. West wind till 6.30 a.m. then strong W.S.W. wind till 11.15 a.m. when it backed to S.W. and blew freshly the rest of the day. Few snowflakes and some soft hail squalls. Sun showed briefly. Ground frozen in evening. Very cold.
- 11 Fresh S.W. wind till 5.30 a.m. then fresh W.S.W. till 10 a.m. when it veered to West and increased to a Gale in evening. Heavily clouded. Sun showed occasionally. Cold. Hail squalls in evening.
- 12 Fresh S.W. to S.S.W. wind till 10 a.m. veered to West and moderated to a light wind. It freshened after 9 p.m. Some calms during the day. Dull and very cloudy. Snow squall at 12.50. Misty in late evening.
- 13 Fresh West wind in morning shifted during the day to N.W. and moderated a little. Sunny for an hour at 1 p.m. but generally very cloudy. Foggy on hills. Mild.
- 14 Calms alternating with a light N.W. wind till 1 p.m. when the wind dropped. Overcast. Foggy on hills. Light S.E. air noticeable in evening. Mild. Foggy night.
- 15 Calm till 2 a.m. then mod. S.E. wind with light rain till 1 p.m. when the wind began to shift through E. and in evening was blowing a light N.E. breeze. Rain ceased at 2 p.m. Evenly overcast later. Sun not seen. Dense fog on hills.
- 16 Mod. E.N.E. wind with misty showers till 4.30 p.m. then light N.E. wind with dense fog in evening. Sun not seen. Mild. Hills densely fogged.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

DECEMBER, 1914.

Date.	Remarks.
1	Cold squally a.m., strong S.S.W. winds, intermittent snow showers. Day gradually improved. Light rain in p.m., heavy seas.
2	Misty rain in a.m., light winds from the West, sea moderated. Overcast and misty all day, sea rising again at night.
3	Heavy fog in morning, lifted 10 a.m. Str. and Str. Cu. from N.W. Calm all day and evening, misty at night. Heavy seas. Light until 10.30 p.m.
4	Cloudy in a.m., mod. gale from W. Fr. Cu. from W. Light showers with hail at intervals during day, raining steadily 9 p.m. wind round to W.N.W. Sea heavy.
5	Westorly gale sprang up about 1 a.m., blew consistently until 2 a.m. 6th, max. at 3.31 p.m. (64 miles). Blinding showers, rain, hail, sleet all day. Scud Nb. from N.W. Tremendous seas. Zodiacal bar of Sunshine Recorder broken off at screws. Wireless ariel blown down. Anemo-biograph damaged.
6	Exceptionally fine day with few clouds, very little wind. Fr. Cu. from W. 9 a.m. Fr. Cu. from N. 3 p.m. Misty at night. Sea moderated.
7	Overcast all day. Str. Cu. strong winds veering from E., S.W. to W. Str. Cu. from S.E. Snow showers in afternoon, rain in p.m. Sea moderated.
8	At first fine but cloudy, with strong W. winds. Fr. Cu. from W., gradually improved, fine p.m. Aurora vivid in S. Sea sli. to mod.
9	Cold morning, piercing E. winds with rain and sleet. Wind gradually veered to W. and rain ceased 1.30 p.m. Strong westerlies. Alto.-Str. from W. Heavy seas.
10	Strong S.S.E. winds, blinding rain in a.m.; fine but cloudy in p.m. Str. Cu. from S.E., Alto.-Str. from S. Very rough seas. Bar. rising steadily.
11	Fine but cloudy, Str.Cu. from E. Ci. Cu. from N.N.W. at noon. Halo at 12.20 p.m. Dull overcast during p.m., with Alto.-Str. from S.E. to S. Rough seas.
12	Light rain with mod. westerlies all a.m., finer in afternoon. Fr. Cu. from S.W., fine cloudless night. Heavy seas. Light at 11 p.m.
13	Cold S.E. winds with showers, Str. Cu. to Cu. Ni. from S.E. gradually improved, Alto.-Str. from S.E. 6 p.m., from S. 9 p.m. Rough seas. Aurora vivid.
14	Light N.W. winds in a.m., backing to W., increasing to fresh gale. Blinding rain all day. Scud Ni. from N.W. and W. Alto. Str. from W. 9 p.m. Rough seas.
15	Fine but overcast all day. Str. to Str. Cu. from N.N.W. in a.m. Very little wind. Alto. Str. in p.m. Bar falling. Calm sea. Aurora vivid in S.
16	Overcast all day with high Str. mod. to fresh S.E. gales. High seas.
17	Misty rains with light N.N.W. winds in a.m. Cleared at 4.30 p.m. Ci. Str. and distinct tailed Ci. from N.E. at 6.15 p.m. Cloudy at 9 p.m., misty rains. Tremendous seas.
18	Showery in a.m. Scud Ni. from W.N.W. Snow showers at noon. Showery again in p.m., clearing at 6.30 p.m. Fr. Cu. from N.W., mod. gales all day. High seas.
19	Overcast Alto. Str. N. winds, rain commenced noon, continued all p.m., with scud Ni. to Ni. Wind veered from N. at 9 to W. at 9 p.m., E.N.E. gales at 3 p.m., and strong westerly gales at 9 p.m. Rough seas.
20	Fresh W.N.W. gales Fr. Str. from W. with rain, clearing at 4.30 p.m., fine 6 p.m. Ci. Str. from N.W., clouded and raining 9 p.m. R. seas.
21	Snow during night. Fine but cloudy all day with S.W. to S.S.W. gales. Str. Cu. from S.W. Snow showers in p.m. Gale moderated. Rough seas.
22	Overcast all day, mod. gales, blinding misty rain. Str. to Scud Ni. from W. to W.N.W. all day. Rough seas.
23	Mod. to fresh gales all day, W.N.W. to N.W., with piercing rain and snow showers. Scud. Ni. from N.W. Rough seas.
24	Boisterous day with S.W. to S.S.W. gales. Showery with hail at intervals. Fine but cloudy in p.m. Str. and Str. Cu. from S.W. Rough seas.
25	Overcast to showery all day. Snow showers at intervals. Mod. to fresh gales, N.W. to S.W. Sea mod. to rough.
26	At first showery and squally, fine in the afternoon. Fr. Cu. from S.S.W. Showery in p.m. Rough seas. Bar. rising steadily.
27	Fine but cloudy all day, Str. in a.m., Alto.-Str. in p.m. Light S.W. to W.N.W. winds. Bar exceptionally high. Sea slight to moderate.
28	Fresh gales in the a.m. with heavy mist. Str. from W.N.W. Winds moderated through day, backed round to N. in p.m. Bar. falling. Sea mod.
29	Still misty with fresh northerly wind round to W. at 7.30 p.m., and mist disappeared in 20 mins. Fine night, few Fr. Str. in S.
30	Fine throughout with mod. to strong gales from N.W. Fr. Str. from N.W. Ci. from N.W. at noon. Rough seas.
31	Raining in a.m., fine in afternoon, Fr. Str. from W. Fine but cloudy in p.m. Str. from W. Rough to mod. seas.

Table XI.—DAILY WEATHER REMARKS—*continued.*

## MACQUARIE ISLAND.

JANUARY, 1915.

Date. Remarks.

- 1 Overcast, gloomy all day with fresh N.N.W. gale and bar. falling. Low Str. from N.N.W. Rain commenced at 9 p.m. Rough seas.
- 2 Rain during night. Dull day with A. Str. from W. Fresh westerly breeze. Shower at 7.30 p.m. Fine, calm evening overcast. Sea rough, moderating to slight.
- 3 Overcast, dull in a.m. A. Str. from W. Gradually improved to fine pleasant afternoon. Fr. Cu. from S.W. Calm clear night. Mod. seas.
- 4 Mostly cloudy, but nice calm day. Alto. Str. from E. Wind veered from N. in a.m. to E. in the evening. Smooth seas.
- 5 Rain set in at 9 a.m. and continued all day. Wind to S.E. and increased to mod. gale. Bar. fell 8/10 of inch in 24 hrs. Sea very rough.
- 6 Heavy mist throughout day and evening. Very light N.N.W. winds in a.m., backing to S.S.W. in the evening. Very rough seas.
- 7 Dull misty day. Light rain at intervals. Low Str. with strong N.W. to W.N.W. winds. Rough seas.
- 8 Cloudy and showery throughout. Snow showers at intervals. Strong westerly winds.
- 9 Snow showers at intervals all day.
- 10 Dense fog all day with N.W. winds.
- 11 Raining in morning and misty. Gradually cleared during afternoon.
- 12 At first fine but cloudy. Fr. Str. from W.N.W. Sun breaking through Str. at times. Hail at intervals during afternoon and evening. Fresh to strong W.N.W. gale. Mod. to R. seas.
- 13 Light misty rain in a.m. Fine afternoon and evening. Fr. Cu. from N.W. at 3 p.m. Fr. Cu. from S.W. at 6 p.m. Str. at night. Winds backed from N. to W. Mod. seas.
- 14 Storm from S.E. during night. Dull, gloomy during day. S. to W. winds veering to N. in evening and rain set in with Northerly gale. Bar. falling. Rough seas.
- 15 Light rain in the morning. Fierce Westerly gale throughout day and evening with Fr. Str. from W. Bar. rising. Very high seas.
- 16 Fine but cloudy throughout. Fr. A. Str. from W. at 6 p.m. Str. from N.W. at 9 p.m. Strong W. gale in a.m., gradually moderated in afternoon. Rough to mod. sea.
- 17 Fierce Westerly, gradually increasing during day, accompanied by blinding, misty rain. Max. 71 miles at 9.50 p.m. Rough to tremendous seas. Bar. fell to 28-578.
- 18 Fierce storm during night. Raining all day with intermittent snow showers. Cleared at 6 p.m. Fr. Cu. from S.S.W. Rain again at 9 p.m. Snow on ground 10 p.m. V. high seas.
- 19 Fine but overcast throughout with strong Westerly gale, moderating towards evening. Str. from W. Bar. rising steadily. Rough seas. Temp. dropped 9° F.
- 20 Steady light misty rain all day, sleet at intervals. Cold E. to S.E. winds. Wind veered to N.W. at 7.30 p.m. and mist cleared. Evening fine, overcast Str. from N.W. Bar. falling. Rough seas.
- 21 Heavy mist throughout with light rain. Northerly winds. Mod. to R. rough seas. Bar. falling.
- 22 Morning showery with strong gusty North winds. Afternoon and evening misty with light rain. Wind backed to N.W. Rough seas. Bar. falling.
- 23 Cloudy to showery in a.m. Fine but cloudy in p.m. with Fr. Str. to Str. Cu. from N.W. Bar. falling steadily. Rough to mod. seas.
- 24 Fine but cloudy during a.m. Str. Cu. to Str. from W. Light misty rain all p.m. Mod. to fresh Westerly gale throughout. Rough seas.
- 25 At first showery with hail at intervals and fresh Westerly gale. Str. Cu. to Str. from W. Intermittent periods of sunshine and hail during afternoon. Evening dull, threatening. R. seas.
- 26 Misty rain all day. Light N.E. winds in a.m.; increasing to fresh gale in the afternoon and veering to the West. Mod. to R. rough seas.
- 27 Steady rain in a.m. with fresh Northerly breeze. Wind backed to N.W. at 1 p.m. and rain ceased. Fine afternoon. Heavy mist in the evening. R. rough seas.
- 28 Fine and mild throughout. Overcast and misty at times; N.W. to N.N.W. winds. Bar. steady. Rough seas.
- 29 Rain in the a.m. Showery during p.m. Heavy Str. to Ni. from N.W. Fresh Westerly breeze, developing to fresh gale in the evening. Mod. to rough seas.
- 30 Snow in the morning. Hail at 1 p.m. Intermittent snow showers and sunshine during the afternoon. Ci.Cu. from N.W. at 6 p.m. Fine evening, A. Str. from W. Mod. seas.
- 31 Mild light rain all day with moderate N.W. breeze. Bar. steady. Mod. to slight seas.

\* Observations were suspended from 9 a.m., 8th, until 9 a.m., 12th instant owing to observer's absence at south end of the Island. Pressure and Temperature readings shown for these days are taken from the Barograph and Thermograph Records.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

FEBRUARY, 1915.

Date.	Remarks.
1	Misty rain in the morning with N.W. gale. Cleared by noon and wind back to W. P.m. fine but cloudy with strong W. to W.N.W. breeze. Mod. sea. Bar. rising.
2	Overcast and gloomy all day with Alto. Str. Light N.W. winds veering to N. in the evening and Str. from N. Bar. falling. Mod. seas.
3	Severe storm during the night. Bar. fell .896 in the 12 hours. Fierce gales all day, backing from N. to W.N.W. Bar. fell rapidly to 28.668 at 11 a.m., then rose rapidly. Very high seas.
4	Bright sunshine in early a.m. Overcast 9 a.m. Alto. Str. Cu. from W.N.W. Ci. Str. from W.N.W. at noon. Misty rain during the afternoon. Heavy mist at night. Bar unsteady. Sea moderating.
5	Dense fog all day with N.W. winds. Wind veered to N.N.W. at 6 p.m. and fog gradually lifted. Evening cloudy with light rain at intervals. Sea mod. to R. rough.
6	Raining steadily until 3 p.m. Fine evening with high Str. from W.S.W. Exceptionally calm day. Mod. to slight seas.
7	Heavy misty rain in the a.m. Gradually cleared about noon. Afternoon fine and bright with clear sky. Fine evening with few Fr. Str. from N.W. Bar. rising. Heavy seas.
8	Fine and bright throughout with fresh N.W. winds. Few Fr. Str. in S. at 9 a.m. Fr. Alto. Str. from N.W. at noon. Ci. Cu. from W.N.W. at 3 p.m. Fr. Str. from N.W. in p.m. Bright Aurora at night. R. seas.
9	Foggy in the a.m., afterwards fine and pleasant with nice sunshine. Practically calm throughout. Ci. Str. from N.W. at 6 p.m. Alto. Str. at night. Bright Aurora streamers at night.
10	Calm with steady rain in the a.m. Afternoon fine and bright, few Fr. Cu. in S. Overcast at 6 p.m. A Str. from the W. Rain at 9 p.m. with N.N.E. winds. Bar. falling. Mod. seas.
11	Morning opened with Westerly gale gradually moderating towards evening. Showers at intervals. Fr. Str. to heavy Str. from the W. Bar. rising. Very heavy seas.
12	Squally Westerly gale all day with rain and hail showers at intervals. Rough seas. Aurora streamers.
13	Fine and partly clouded in the a.m. Fr. Str. from W.N.W. with squally winds. Afternoon overcast and threatening. Alto. Str. from N.W. Rain at 5 p.m. Snow at night. Rough and stormy seas. Bar. falling nearly $\frac{1}{2}$ per hr.
14	Storm from the E. during the night. Squally with hail and snow showers at intervals. Fr. Str. from W.S.W. at 9 a.m. Alto. Str. from S.W. at 3 p.m. Bar. rising rapidly. Sea R. rough.
15	Fine pleasant day but overcast. Light winds. Alto. Str. clouds from W. at noon and 3 p.m., N.W. at 6 p.m. Wind veered to N.N.W. at night and rain set in at 9.30 p.m. Bar. falling. Mod. seas.
16	Foggy during a.m. Misty rain in the afternoon. Evening fine but cloudy with mod. Westerly gale. Bar. falling. Mod. to rough seas. Bar. fell .932 for 24 hrs. to 9 p.m.
17	Cloudy to showery throughout with strong Westerly gale. Str. to Str. Cu. from W. Bar. rising. Rough seas.
18	Gusty Westerly winds with light showers at intervals. Fr. Str. from W. and Alto. Str. Cu. from S.W. throughout. Very rough seas.
19	Misty throughout with light rain. Fresh W.N.W. winds. Bar. exceptionally steady. Rough seas.
20	Misty showery a.m. Fine pleasant afternoon. Fr. Cu. from S.W. Evening cloudy to showery. Splendid Aurora, brightest at zenith and flashing to S.E. Mod. seas.
21	Fine and pleasant throughout, very little wind. Cloudy at times, chiefly Alto. Fr. Str. and Fr. Str. Cu. from the W. Bar. steady. Mod. seas.
22	Fine bright day, sun quite warm. Practically calm. Fr. Str. from W.N.W. at 9 a.m. Fr. Cu. at noon. Ci. Str. from W.N.W. during afternoon and evening. Slight to smooth seas. Aurora.
23	Fine, calm and pleasant, but cloudy Alto. Str. Bar. steady. Slight sea.
24	Almost calm throughout. Alto. Str. from N.W. Dull and gloomy during the day, light misty rain in the evening. Mod. to R. rough seas.
25	Misty throughout with light N.N.W. winds and light rain. Bar. falling slowly. Mod. seas.
26	At first dull and gloomy. Fr. Str. from N.W. Gradually cleared. A.-Stratus Cu. from S.W. at 3 and 6 p.m. Evening fine but cloudy. Alto. Str. from S.W. Calm to light winds. Mod. to slight seas.
27	Overcast and gloomy all day with wind gradually increasing. Misty rain set in at 5.30 p.m. and continued throughout the night. Mod. seas.
28	Fine and pleasant throughout. Clear in the a.m. Cloudy during the p.m. A.-Stratus Cu. from N.W. at 3 and 6 p.m. A.-Stratus from N. at 9 p.m. Mod. seas.

## MACQUARIE ISLAND.

Table XI.—DAILY WEATHER REMARKS—*continued.*

MARCH, 1915.

Date:	Remarks.
1	Calm in the a.m., but wind increased to mod. gale in the p.m. Fine but cloudy throughout. A. Str. Cu. from N.W. at 9. Ci. from N.W. at noon. A. Str. from N.E. at night. Mod. seas.
2	Squally Northerly gale throughout with heavy misty rain. Mild temperatures. Very rough to high seas.
3	Dull calm morning with occasional misty showers. Fine and calm in the p.m. Str. from N.W. at 3 p.m. Ci.Cu. and Ci. Str. from N. at 6 and 9 p.m. R. rough seas.
4	Fine and pleasant in the a.m. Str. Cu. from N.W. at 9 a.m. Ci.Cu. from N.W. at noon. Gradually clouded over and rain set in at 3 p.m. and continued throughout with heavy mist.
5	Westerly gale throughout. Fine cloudy a.m. Fr. Str. from W.N.W. at 9. Fr. Cu. from W.N.W. at noon. Showery during p.m. Bar. rising slowly. Rough seas.
6	Overcast and gloomy all day. Alto. Str. Cu. from N.W. Wind veered from N.W. to N. in the evening and a heavy mist came over with light mild rain. Mod. seas.
7	Dense fog with intermittent showers during the day. Wind veered to N.E. in the evening and a severe thunderstorm approached from N.E. and lasted until 10 p.m. Lightning.
8	Dull gloomy a.m. with N.W. gale. Fr. Str. from N.W. Clear at noon. Ci.Cu. from N.W. in afternoon. Gale veered to N., rain commenced at 8 p.m. V. high seas.
9	Gloomy with showers at intervals. Str. Cu. from N.W. at 9. Ci. from N. at noon. Str. Cu. from N.W. at 3 and from W. at 6 p.m. Bar. rising rapidly. Rough seas.
10	Strong gale throughout, backing from N. to N.W. at noon. Heavy showers of rain and hail at intervals with short periods of sunshine between. Ci.Cu. from N.W. at 6 p.m. Tremendous seas.
11	Mod. to fresh W.N.W. gale throughout with intermittent hails showers and sunshine. Chiefly Str. Cu. and Fr. Str. from W.N.W. Ci.Cu. from W.N.W. at 3 p.m. High to rough seas. Splendid Aurora.
12	Squally W.N.W. gale throughout. Soft hail and snow showers at intervals with periods of sunshine. Scud Ni to Fr. Str. from W.N.W. A. Str. at 6 p.m. V. rough seas.
13	Overcast and gloomy during the day, fresh W.N.W. winds and A. Str. clouds. Light rain at night. Rather rough seas.
14	Cloudy to overcast throughout. A. Str. from W. Fresh Westerly breeze. Mod. seas.
15	Cloudy to overcast throughout. Strong Westerly winds. Misty at night with few light showers. Mod. seas.
16	Fine cloudy a.m. Light rain at 3 p.m. with mod. N.W. gale. Wind backed to W. at 4 p.m. and rain ceased. Evening fine and clear. Few Fr. Str. from W. Mod. seas.
17	Generally fine, but cloudy to overcast. Str. Cu. from N.W. A. Str. in the evening. Mod. to fresh W. gale throughout. Mod. to R. rough seas.
18	Misty during the day with mod. to fresh N.W. gale. Cloudy to overcast at night with temperature rising. Mod. to rough seas.
19	Dense mist all day with fresh N.W. gales. Light rain at night. Very rough seas.
20	Fine at first with Fr. Str. Cu. from N.W. Misty with rain at 11 a.m. Calm with misty rain at 3 p.m. Squally S.W. breeze rose at 4.30 p.m. Bar. rising rapidly. V. high seas.
21	Fine, bright a.m. Few Fr. Cu. from W.S.W. A. Str. at noon. Ci. and Ci.Cu. from W. in the afternoon. Overcast at night. R. rough seas.
22	Morning fine, calm, overcast. A Str. Cu. gradually developed to a Str. to dense fog in the afternoon. Bar. steady. Slight seas.
23	Dense fog all day with light N.W. wind. Fog lifted at 6 p.m. Evening fine and clear. Splendid Aurora at 8 p.m. Mod. seas.
24	Dense fog during the day. Misty at night. Bar. falling. Dim Aurora on Southern horizon. Mod. to R. rough seas.
25	Rain during the night. Very calm, dull and cloudy to misty throughout. Bar. unsteady, falling at night. Rough to mod. seas.
26	Rain during the night. Light misty rain, improved to fine at noon. Fr. Str. from W. Showery afternoon. Fine at night. Rough seas.
27	Misty with showers in the a.m. Steady rain in the afternoon. Evening fine but squally. N.W. gales. Rough to high seas.
28	Cold and stormy. Snow showers at short intervals with sunshine between. Ci. from N.W. at noon. A. Str. from N.W. at 6 p.m. Snow on ground at night. Lunar halo. High seas.
29	Cold squally gale from the West with snow showers. A. Str. and Fr. Str. from W. Rough to very high seas.
30	Strong Westerly winds throughout. Cloudy to showery in the a.m. Squally with light misty rain in the p.m. Rough seas.
31	Light rain in the morning with fresh W. gale. Passing snow showers during the day. Fine night. Very rough seas.

Table XI.—DAILY WEATHER REMARKS—*continued.*

## MACQUARIE ISLAND.

APRIL, 1915.

Date.	Remarks.
1	Snow on the ground. Snowing in the a.m. Fine but cloudy in the afternoon. A. Str. from S.W. Snow showers at night. Rough to mod. seas.
2	Snow on the ground. Severe snow storms at short intervals during the day. Evening fine but cloudy. A. Str. Cu. from S.W. Bar. rising. Rough seas.
3	Light misty rain in the a.m. Snow showers during the afternoon. Fine but overcast at night with squally W. winds. R. rough seas.
4	Misty rain in the a.m. Rain and snow showers in the p.m. with squally W. winds. R. rough seas.
5	Fresh to strong Westerly gale throughout with intermittent showers. Bar. rising. Rough to V. high seas.
6	Showery with occasional snow storms during the day. Cleared at 6 p.m. A. Str. Cu. from W.S.W. Raining again at night. Bar. rising. Rough seas.
7	Dense mist throughout with light rain. Bar. rising. Rough seas.
8	Dense mist throughout with mod. N.W. winds, milder temperatures. Rough to mod. seas.
9	Misty in the a.m. Dense fog in the p.m., light N.W. winds. Moderate seas.
10	Fine but cloudy. Light S.E. winds in a.m. veered to S by 3 p.m., and dropped to dead calm. Exceptionally high pressure prevailing. Mod. to slight seas.
11	Fine but cloudy during the day with A. Str. from N.W. Misty with light showers at night. Bar. falling. Mod. to slight seas.
12	Light misty rain in the a.m. Foggy in p.m. Light N. winds. Mild temperatures. Bar. falling. Mod. seas.
13	Foggy in the a.m., gradually cleared. Fine evening with few Fr. Str. from the W. Bar. rising. Mod. to R. rough seas.
14	Fine bright morning, showery afternoon. Showers with hail at night. Squally winds. Rough seas.
15	Intermittent sunshine and snow storms during the day. Squally W. winds. Fine clear night. Dim Aurora in S. Rough seas.
16	Dense mist to foggy throughout with mod. N.E. to N.W. winds. Bar. falling. Rough seas.
17	Misty in the morning. Fine but cloudy in the p.m. Ci. from N.W. at 5 p.m. Rough seas.
18	Cloudy to misty during the day. Ci. from W.N.W. visible at noon. Fine and clear at night. Mod. seas.
19	Light misty rain in the morning, gradually cleared in the afternoon. Rain at night. R. rough seas.
20	Strong Westerly gale throughout with intermittent showers. Aurora at night. Very high seas.
21	Snow during the night. Squally Westerly gale, otherwise fine but overcast. A. Str. Cu. from W.S.W. Bar. rising rapidly. Rough seas.
22	Overcast to misty throughout, mod. N.N.W. winds. Bar. falling. Rough seas.
23	Steady rain in the a.m. Misty at noon. Afternoon fine but cloudy. Light showers at night. Rough seas. Brilliant Aurora between 10 and 11 p.m.
24	Fine at first, severe snow storm at 10 a.m., afterwards fine, partly clouded. Fr. Str. Cu. from W.N.W. Ci. in N.E. at 5 p.m. Rough seas.
25	Overcast to misty throughout. Light showers at night. Mod. to fresh N.W. gales. Rough seas.
26	Fresh W.N.W. gale throughout with blinding misty rain. Bar. falling. Rough to high seas. Aurora streamers at 11.30 p.m.
27	Cloudy to showery in the a.m. Fine afternoon. Ci. from N.W. at 2 p.m. Fr. Str. Cu. from W.N.W. at 3 p.m. Snowstorm at 5.30 p.m. Showers at night. Rough to mod. seas.
28	Mostly cloudy, but pleasant with little sunshine at times. Hail storm at 4.30 p.m. Snow at 5 p.m. Evening fine but overcast. A Str. Cu. from N.W. Rough seas.
29	Cloudy with snow storms at intervals, few periods of bright sunshine. Rather rough seas.
30	Fierce squalls throughout with heavy snow showers. Snow on the ground all day. Rough seas.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

MAY, 1915.

Date.	Remarks.
1	Light rain until 11 a.m. Snow showers during the afternoon, fine and clear at night. Freezing at 11 p.m. Rough seas.
2	Calm morning with snow. Rain in the afternoon. Foggy at night with fresh gale. Slight to rough seas.
3	Fierce Westerly gale throughout accompanied by blinding rain and snow storms. Bar. rising rapidly. Very high seas.
4	Hoar frost. Fine day, partly clouded. Fine clear night. Ground frozen all day. Bar. still rising. Rough seas.
5	Light misty rain with N.N.W. gale until 4 p.m. Evening fine, clear, calm. Brilliant Aurora 9 to 9.30 p.m. Rough seas.
6	Strong N.W. gale throughout. Light rain in the a.m. Misty during the p.m. Rough to very high seas.
7	Calm foggy morning. Misty to light rain in the afternoon with N.W. gale; moderating at night. Rough to high seas.
8	Misty throughout, with light rain at intervals. Fresh N.N.W. gales. Bar. falling. High seas.
9	Misty in the a.m. Snow showers in the afternoon. Wind veered from N. to W. at 2.20 p.m., and fierce gale raged until evening. Aurora vivid. High seas.
10	Fine at first. Commenced snowing at 10 a.m. and continued throughout. Ci. from N.W. visible at 12.30 p.m. Rough seas.
11	Snow frozen on ground at 9 a.m. Misty rain during the day, showers at night. Dim Aurora showing through clouds. R. to high seas.
12	Overcast in the a.m. Ci. from W.N.W. at 2.30 p.m. P.m. fine, partly clouded. Bar. rising rapidly. Rough seas.
13	Heavy mist all day. Rain at night. Fresh to strong N.W. gales throughout. High seas.
14	Overcast in the morning. Fine afternoon and evening. Ci. and Ci Str. from N.W. at 3 p.m. Bar. rising. Rough seas.
15	Fog in early morning, misty rain throughout with mod. Northerly winds. Milder temperatures. Rough seas.
16	Misty throughout with light rain at intervals. Squally Northerly gales. Bar. steady. Rough seas.
17	Strong N. gale throughout with fine blinding rain. Foggy during the day. Bar. falling. Very high seas.
18	Fine, calm and pleasant throughout. Ci., Ci.Cu. and Ci. Str. from N. Ground freezing at night. Brilliant Aurora. R. rough seas.
19	Light misty rain at first, followed by dense fog. Practically calm throughout. Bar. steady. R. rough seas.
20	Almost calm throughout with dense fog. Bar. steady. Moderate seas.
21	Dense fog throughout. Light winds to calms. Bar. falling slowly. Smooth seas.
22	Foggy at first, followed by light rain. Evening fine but cloudy. Dim Aurora reflection in S.E. Mod. seas.
23	Fine throughout, partly clouded at times. Ci. Str. from W.S.W., and Fr. Str. from W.N.W. in the afternoon. Brilliant Aurora 10 p.m. to 12 mid. R. rough seas.
24	Fine but overcast in the a.m. Showery during the p.m. Ci.Cu. from N.W. at 2.30 p.m. Bar. falling. R. rough seas.
25	Fine day. Ci. Str. from N.W. in the a.m. Clear afternoon. Misty at night. Bar. still falling. Mod. seas.
26	Misty with light rain in the a.m. Dense fog in the p.m. Practically calm throughout. Mod. seas.
27	Misty to light showers throughout. Light winds. Lunar Corona at 7 p.m. Mod. seas.
28	Overcast in the a.m. Misty with light showers in the afternoon. Snowing at night. Light winds. Mod. to slight seas.
29	Practically calm throughout with light snow showers. Lunar Corona 8 p.m. Mod. to slight seas.
30	Overcast in the a.m. A. Str. Cu. from N.W. Misty showers in the p.m. Mod. winds. Slight seas.
31	Light misty rain in the a.m. Overcast to showery in the p.m. Bar. rising. Mod. to R. rough seas.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JUNE, 1915.

Date.	Remarks.
1	Misty to showery during the day. Fine but overcast, misty Str., at night. Fresh W.N.W. winds. Bar. rising. Rough seas.
2	Misty in the morning. Fine but overcast during the p.m. with mod. N.W. gale. Rough seas.
3	Misty with light rain in the a.m. Dense fog in the afternoon. Light rain at night. Fresh N.W. gales throughout. Very high seas.
4	Misty throughout with light showers at intervals. Fresh N.W. to W.N.W. gales. Bar. rising. High seas.
5	Overcast at first followed by dense fog. Mod. N.W. to N.N.W. winds. Bar. falling slowly. Rough seas.
6	Dense fog during the day. Light rain at night. Mod. N.N.W. winds. Bar. falling. Rough seas.
7	Light mist during the day. Clear at night with isolated snow showers. Fresh N.W. gales. Bar. falling. High seas.
8	Frost. Dull and gloomy followed by snow and calms. Squally Westerly gale at night. Brilliant Aurora. Rough seas.
9	Ice one inch thick. Snow on ground. Snowing in the a.m., cleared in the p.m. Light rain during the night. Rough seas.
10	Boisterous Westerly gales with snow showers in the a.m. Cleared in afternoon. Overcast to light rain at night. Rough seas.
11	Light rain in the morning followed by snow as the wind veered from W.N.W. to W. Bar. falling. Rough seas.
12	Snow on the ground. Violent snow storms throughout. Mod. S.W. winds. Brilliant Aurora. Mod. seas.
13	Fierce snow storms in the a.m. Clearing snow showers in the p.m. Fresh S.W. to W.N.W. gale. Bar. rising. Brilliant Aurora. High seas.
14	Fierce N.N.W. gale in a.m. with blinding rain. Snow melted. Gale veered to W. at 12.30 followed by fierce snow storms. Aurora glow at night. Very high seas.
15	Snow storms at short intervals. Squally W. gale with blinding snow dust during the day. Fine clear night. Very high seas.
16	Fierce N.W. gale in the a.m. with blinding rain. Gradually cleared to fine clear night. Faint Aurora glow in S. Very high seas.
17	Continued snow storms throughout with squally S.W. gales. 3 in. snow on ground at night. Bar. rising rapidly. Tremendous seas. Brilliant Aurora.
18	Fierce S.W. gales with snow storms throughout. Brilliant Aurora visible at times during night. Tremendous seas.
19	Overcast to threatening throughout with fierce squally Southerly gales. Bar. rising. Tremendous seas.
20	Misty at first, afterwards fine but cloudy throughout, with calms to light S. winds. Lunar Corona. Corona Aurora. V. high seas.
21	Overcast to misty showers throughout, practically calm. Snow melting rapidly. R. rough seas.
22	Foggy morning. Overcast to misty in the p.m. Light to S.E. to E. winds. Bar. falling. Rough seas.
23	Dull gloomy a.m. Misty showers in the p.m. Light Easterlies. Bar. unsteady. Rough seas.
24	Light misty rain in a.m. Dense fog in p.m. Almost calm. Bar. steady. Rough seas.
25	Misty to dense fog. Light winds to calms. Temperature milder. Bar. steady. Rather rough seas.
26	Dense fog in the morning. Clear afternoon. Ci. Str. from N.W. at noon. Misty at night. Lunar halo. Bar. steady. Rough seas.
27	Dense fog in the morning. Overcast in afternoon. Fog with light rain at night. Light winds. Bar. steady. Mod. seas.
28	Misty to foggy during the day. Steady rain from 6 to 9.30 p.m., then clear. Aurora in S.S.W. at 10 p.m. Mod. to rough seas.
29	Showery in the morning. Fine afternoon. Ci. Str. from N. at 1 p.m. Fine clear night. Brilliant Aurora. Bar. steady. Rough seas.
30	Fine morning with A. Str. and Ci.Cu. from N.N.W. Misty to showery in the p.m. with sleet. Bar. steady. Very rough seas.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

JULY, 1915.

Date.	Remarks.
1	Fine in early morning with Ci. from N.W.. Afterward overcast to misty throughout with occasional showers. Bar steady. Sea rough.
2	Foggy all day, cleared at 6 p.m. except for fog bank in South. Bright Aurora glow showing up behind fog bank. Bar. falling. Sea rough.
3	Overcast during the day with strong W. gale. Light rain at night with W.N.W. gales. Bar rising. Very high seas.
4	Fierce N.W. to N.N.W gales throughout with light misty rain at intervals. Bar. falling slowly. Tremendous seas.
5	Overcast to misty during the day with strong N.N.W. gales. Calm at night with steady rain. Bar. falling. Very rough seas.
6	Fine throughout with mod. N.W. to Westerly winds. Ci. Str. and Ci.Cu. from N.W. in the a.m. Fr. Str. from W. in p.m. Brilliant Aurora. R. rough seas.
7	Fine but overcast during the day. Misty at night. Bar. rising slowly. Moderate seas.
8	Overcast during the day. Heavy snow storms at night. Bar. falling. Slight to R. rough seas.
9	Snow on ground. Snow showers in the a.m., afterwards fine but cloudy with mod. W.N.W. to N.W. winds. Rough seas.
10	Strong N.W. to Northerly gales throughout. Raining in the a.m. Showery in the p.m. Bar. falling rapidly. Rough seas.
11	Snow during the night. Strong W.N.W. to N.W. gales throughout. Fine morning. Blinding rain in the afternoon, foggy at night. Bar. unsteady. V. high seas.
12	Fierce W.N.W. gale during the day, moderating towards evening. Snow showers in the afternoon. Auroral glow in S. Bar. rising. Tremendous seas.
13	Fine day. Ci. Str. from W. in a.m. Overcast in the afternoon. Rain and snow set in at night. Bar. falling. Moderate seas.
14	Snow on ground. Snow storms in the a.m. Overcast in afternoon. Blinding rain at night. W. to N.W. gales throughout. High seas.
15	Rain in the morning. Overcast to misty afternoon. Fine clear night. Mod. W. gale throughout. Bar. rising. Rough seas.
16	Foggy to misty throughout with fresh N.W. to W.N.W. gales. Bar. steady. High seas.
17	Overcast to light misty rain, strong N.W. gales. Bar. unsteady. Rough seas.
18	Overcast in the morning, cleared at noon showing Ci.Cu. from N.W. Overcast again at 3 p.m. followed by misty rain. Bar. falling. R. R. seas.
19	Overcast to misty throughout with mod. N.W. winds. Occasional showers. Bar. steady. Rough seas.
20	Overcast to threatening in the a.m. Fierce squalls with blinding misty rain in the p.m. Bar. falling rapidly. Rough seas.
21	Intermittent snow showers throughout. Westerly gale in the a.m., moderating to calm in evening. Bar. rising rapidly. R. seas.
22	Fine but overcast during the day. Misty rain in the evening. Bar. unsteady. Rough seas.
23	Fine clear morning with few Ci.Cu. in E. Gradually became overcast with rain at night. Strong N.W. gales. Bar. falling. Rough seas.
24	Rain and snow showers until 11.30 a.m., afterwards fine and bright with Fr. Str. from S.W. Fine clear night. Bar. unsteady. Rough seas.
25	Dense fog throughout with moderate N.W. winds. Bar. unsteady. Rough seas.
26	Misty showers in the a.m. Fine afternoon, haze over the sea. Overcast at night. Bar. rising. Rough seas.
27	Foggy to misty with strong N.N.W. gales. Bar. falling. High seas.
28	Fine day. Ci.Cu. and Ci.Str. from N.N.W. Fr. Str. from W.N.W. Light showers at night. Faint Aurora in S. Bar. rising. High seas.
29	Frost. Showery in a.m., fine afternoon. Showery with snow and sleet at night. Aurora. Bar. falling. Rough seas.
30	Snow on ground. Fierce Westerly gale throughout with intermittent snow storms. Aurora in S. Bar. rising rapidly. Rough seas.
31	Intermittent snow showers with moderate Westerly winds. Bar. rising. Rough seas.

Table XI.—DAILY WEATHER REMARKS—continued.

MACQUARIE ISLAND.

AUGUST, 1915.

Date:	Remarks.
1	Snow storms throughout with gusty Westerly winds. Bar. rising slowly. Rough seas. Aurora noticeable behind the clouds.
2	Light snow showers throughout with fresh W.N.W. winds. Bar. steady. Rough seas. Aurora in S.E.
3	Overcast in the a.m. Showery, with sleet, in the afternoon. Calm misty night with glazed frost. Bar. rising. Sea moderate.
4	Overcast to misty throughout with light S.E. to N.E. winds. Ci. Str. from W. visible at 4 p.m. Bar. falling. Moderate seas.
5	Foggy to misty throughout with light showers at intervals. Mod. winds. Bar. falling. Rough seas.
6	Foggy morning, fine afternoon with Fr. Str. from W. Light showers at night followed by glazed frost. Bar. steady. Smooth seas.
7	Fine but overcast throughout with very light S.E. winds. Bar. steady. Moderate seas.
8	Overcast in the a.m. Snowing all p.m. Calms to light E.S.E. winds. Bar. steady. Smooth seas.
9	Light misty rain at first followed by dense fog and dead calm. Bar. steady. Mod. to smooth seas.
10	Foggy at first followed by continuous misty rain. Bar. falling slowly. Mod. to R. rough seas.
11	Foggy to misty throughout with occasional light showers. Bar. rising. Rather rough seas.
12	Heavy mist throughout with light rain. Mod. Northerly winds. Bar. rising. Rough seas.
13	Overcast throughout with mod. W. to N.W. winds. Bar. rising slowly. Moderate seas.
14	Dense fog in a.m. Cleared from 1 p.m. to 3.30 p.m., but came on again. Almost calm. Moderate seas.
15	Dense fog in the a.m. Light misty rain in the p.m. Light E.S.E. to N.E. winds. Mod. to rough seas.
16	Dense fog and practically calm throughout, very light N. to N.W. winds. Bar. steady. Rough seas.
17	Heavy dow. Fine a.m. Ci. Str. from N. Str. from W.S.W. Ci.Cu. from S.S.W. at 3 p.m. Foggy at night. Calms to light W.N.W. winds. Bar. rising. Mod. seas.
18	Overcast during the a.m. Misty to light showers in the p.m. Fresh N.W. winds. Bar. falling. Mod. to rough seas.
19	Overcast at first followed by blinding misty rain. Strong N.W. gales throughout. Bar. falling. Very high seas.
20	Fine but cloudy in the morning. Snow showers during the afternoon. Overcast at night. Bar. rising. Rough seas.
21	Strong N.N.W. gales all day with blinding rain. Wind veered to W.N.W. in the p.m. and rain ceased. Bar. unsteady. Rough to high seas.
22	Strong W.N.W. to Westerly gales throughout with blinding rain and snow showers. Bar. unsteady. Tremendous seas.
23	Steady rain in a.m. Snow in afternoon. Rain again at night. Bar. unsteady. Very high to rough seas.
24	Steady rain during the morning. Fine afternoon. Snow showers in the evening. Bar. rising. Rough seas.
25	Dense fog to heavy mist throughout. Mod. N.W. to W.N.W. winds. Bar. rising. Rough seas.
26	Moderate N.N.W. gale throughout with heavy mist. Bar. falling. Rough seas.
27	Mod. N.N.W. gales. Heavy mist throughout with intermittent showers. Bar. falling. High seas.
28	Overcast at first followed by fog and steady light rain. Calms to light winds. Bar. falling. Mod. seas.
29	Steady rain all day. Snowing at night. Practically calm throughout. Bar. falling. Mod. seas.
30	Overcast throughout with occasional snow storms. Squally W.N.W. winds. Bar. falling. Rough seas. Aurora in S.
31	Overcast throughout with A. Str. Cu. from S.W. and showers of fine snow at intervals. Bar. steady. R. rough seas.

Table XI.—DAILY WEATHER REMARKS—continued.

MACQUARIE ISLAND.

SEPTEMBER, 1915.

Date.

- | Date. | Remarks.                                                                                                                                                                  |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Overcast throughout with occasional snow storms. Squally W.N.W. winds. Bar. falling. Rough seas.                                                                          |
| 2     | Misty to foggy throughout with light rain. Moderate N.W. to W.N.W. winds. Bar. falling. Rough seas.                                                                       |
| 3     | Dense fog throughout. Moderate N.W. winds. Bar. falling. Rough seas.                                                                                                      |
| 4     | Strong N.N.W. to N.W. gales in the a.m. with blinding rain. Snow in the evening with light W.S.W. winds. Bar. unsteady. Rough seas.                                       |
| 5     | Half an inch of snow on ground. Snow showers at intervals during the day. Fine clear night. Brilliant Aurora. Bar. rising. Rough seas.                                    |
| 6     | Overcast to showery in the a.m. Fine and calm in the p.m. Bar. rising. Rough to moderate seas.                                                                            |
| 7     | Overcast to threatening in the morning. Blinding rain in the afternoon. Showery at night. Strong N. to N.W. gales. Bar. unsteady. Rough to high seas. Auroral glow.       |
| 8     | Fine throughout with strong N.W. winds. Ci. Str. to Ci.Cu. from W. in the a.m. Auroral glow in S. to S.E. Bar. steady. High seas.                                         |
| 9     | Dense fog throughout with calms to moderate North winds. Rain late at night. Bar. falling slowly. Rough seas.                                                             |
| 10    | Foggy with occasional showers. Calms to light E.S.E. winds. Bar. steady. Moderate seas.                                                                                   |
| 11    | Dense fog and practically calm throughout. Light E. wind. Bar. steady. Moderate seas. Aurora in S. to S.W.                                                                |
| 12    | Foggy at first. Cleared at 10 a.m. showing Ci. Str. from N.E. Afterwards fine generally cloudy, few periods of bright sunshine. Bar. rising. Moderate seas. Auroral glow. |
| 13    | Clear in early morning, afterwards dense fog with moderate S.S.E. to S.E. winds. Bar. falling. Moderate seas.                                                             |
| 14    | Overcast to light showers throughout with squally E. winds. Bar. falling. High seas.                                                                                      |
| 15    | Foggy during the day with light showers. Calms to light N.E. winds. Dense fog at night. Bar. falling steadily. Rough seas.                                                |
| 16    | Steady light rain in the morning with mod. S.E. winds. Light N.W. to N.N.W. winds in the p.m. Heavy mist. Bar. unsteady. Rough seas.                                      |
| 17    | Fine, calm, bright day, few clouds. A. Str. from N.W. in a.m. Ci. Str. from S.S.E. in afternoon. Misty rain from S.S.E. at night. Bar. rising. R. rough seas.             |
| 18    | Fine, but overcast to misty throughout, almost calm. Bar. steady. Moderate seas.                                                                                          |
| 19    | Moderate W. to S.W. gales with showers of snow and sleet at intervals. Bar. rising. Rough seas.                                                                           |
| 20    | Fine but overcast. Wind gradually shifted from W.N.W. to N. Bar. falling rapidly. Moderate seas.                                                                          |
| 21    | Squally Northerly gale in the morning with light rain. Wind dropped in the afternoon and dense fog came over. Bar. falling. Rough seas.                                   |
| 22    | Misty to showery throughout with strong N.N.W. to W.N.W. gales. Bar. unsteady. Rough to high seas.                                                                        |
| 23    | Misty until 2 p.m., then cleared, showing Ci. Str. from N.W. Overcast to misty again in the p.m. with strong N.W. gales. Bar. unsteady. High seas.                        |
| 24    | Misty to foggy throughout with strong N.N.W. gales and occasional showers. Bar. falling slowly. Rough seas.                                                               |
| 25    | Overcast to misty morning. Cleared for a while about noon. Rain during the afternoon. Cloudy to misty at night. Strong N.N.W. to N.W. gales. Bar. unsteady. High seas.    |
| 26    | Foggy throughout. Moderate N.W. winds. Steady rain during the afternoon. Bar. steady. High seas.                                                                          |
| 27    | Misty to foggy with light N.W. to N.N.W. winds. Bar. rising slowly. Rough seas. Aurora radiating from E. to S.E.                                                          |
| 28    | Light fog with steady rain all day. Overcast to misty showers at night. Mod. E.S.E. to N.E. winds. Bar. falling rapidly. Rough seas.                                      |
| 29    | Strong W.N.W. to W. gales throughout with occasional snow showers. Bar. unsteady. High seas. Brilliant Corona Aurora.                                                     |
| 30    | W. to W.N.W. gales in the a.m.; dropping to calm at night; otherwise fine but cloudy. Bar. unsteady. Rough seas.                                                          |

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

OCTOBER, 1915.

Date.	Remarks.
1	Misty to foggy throughout with light rain. Moderate N.W. to W.N.W. gales. Bar. rising. High seas. Brilliant Aurora in E.S.E.
2	Cloudy to misty with the sun breaking through at times. N.W. gales in the a.m., but moderated to calm at night. Bar. unsteady. Rough seas. Dim Aurora in S.S.W.
3	Overcast throughout with occasional snow showers. Strong S.S.E. to E. winds. Bar. unsteady. Rough seas.
4	Strong South-easterly gales with blinding snow. Very rough day. Bar. rising rapidly. Very high seas.
5	Fine but cloudy to overcast. Str. and Fr. Str. from S. to W. Bar. rising rapidly. Rough seas. Dim Aurora in S.
6	Moderate to strong N.W. gales throughout and overcast to misty. Bar. still rising. High seas.
7	Strong N.W. gales throughout. Overcast during the day. Blinding rain at night. Bar. falling. High seas.
8	Fine but cloudy to overcast with light winds to calms. Wind shifted from S.S.E. to W.S.W. Bar. rising. Moderate seas.
9	Fine but overcast. Calm morning. Strong N.W. winds in the evening. Bar. falling rapidly. Mod. to rough seas.
10	Strong westerly gales in the a.m. with blinding rain. Wind moderated at night. Bar. unsteady. High seas. Aurora in S. to S.E.
11	Strong E.S.E. winds all a.m. with heavy snow, developed into misty rain towards evening and wind shifted to W.N.W. Bar. falling. Rough seas.
12	Steady rain during the a.m. Showery in the p.m. Strong N.W. to W.N.W. winds. Bar. unsteady. Rough seas.
13	Fine but overcast with A. Str. Cu. to A. Str. from the West. Occasional showers. Light to W.N.W. winds. Snow at night. Bar. rising. R.R. seas.
14	Calm with light rain in the a.m. Fine afternoon with few clouds. A. Str. from W.N.W. to N.W. Bar. steady. Moderate seas.
15	Threatening all morning. Blinding rain in the p.m. Strong N.N.W. to W.N.W. gales. Bar. falling. High seas.
16	Unsettled to showery. Few periods of bright sunshine. Cl. Str. from N.W. in the afternoon. Snow at night. Bar. steady. High seas.
17	Nice fine day. Calms to mod. S. to W.S.W. winds. Gradually clouded over towards evening with Cl. Str. from N.N.W. Bar. rising. R.R. seas. Aurora in S. to S.E.
18	Snow on the ground. Cold bleak day. Squally S.S.W. gales and snow showers. Heavy Str. Cu. from S.S.W. Bar. rising. Rough seas.
19	Snow on the ground. Overcast with heavy Str. Cu. Show storms at intervals; S.W. to W.S.W. winds. Bar. rising. Rough seas.
20	Light misty showers at first with N.W. winds, afterwards squally W.N.W. gales with blinding rain followed by fierce snow storms. Bar. unsteady. High seas. Aurora in S.
21	Snow on the ground. Overcast with squally winds. Fierce snow showers at intervals, improving towards evening. Bar. unsteady. High seas.
22	Foggy to misty in the morning, afterwards fine but overcast. A little sunshine at 1 p.m. W.S.W. to W.N.W. winds. Bar. rising. Moderate seas.
23	Strong W.N.W. winds throughout with fog to light misty rain. Bar. rising slowly. Rough seas.
24	Moderate W. to W.S.W. gales with heavy snow showers at intervals and short periods of sunshine between. Bar. rising. High seas. Aurora in S.E. to S.W.
25	Squally W.S.W. to Westerly winds with snow storms at intervals. A little sunshine occasionally. Bar. unsteady. Rough seas.
26	Alternate snow storms and sunshine all day with moderate S.W. to W.S.W. winds. Bar. rising slowly. Moderate seas.
27	Overcast to misty throughout with moderate to strong W.N.W. gales. Bar. falling slowly. Rough seas. Aurora in S.E. to S.W.
28	Overcast to misty throughout with strong N.N.W. winds. Bar. falling slowly. Rough seas.
29	Fine, clear and pleasant, bright sunshine all day. Cl. from N.W. at 5.30 p.m. Bar. rising slowly. Rather rough seas.
30	Foggy to misty throughout with light S.S.E. winds. Bar. rising steadily. Rough seas.
31	Foggy to misty throughout with light S.S.E. winds. Bar. rising steadily. Rough seas.

Table XI.—DAILY WEATHER REMARKS—continued.

## MACQUARIE ISLAND.

NOVEMBER, 1915.

## Date.

- |    | Remarks.                                                                                                                                                              |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Fine but overcast with A. Str. and Str. from N.W. to N.N.W. Calms to light N.W. winds. Bar. falling slowly. Smooth to R. rough seas. Aurora in S.S.W.                 |
| 2  | Light rain in the morning, afterwards fine but cloudy. Ci. from W.N.W. at 10 a.m. and N.N.W. at 6 p.m. Mod. W.N.W. to N.N.W. winds. Bar. falling. R. rough seas.      |
| 3  | Showery in the a.m. Fine p.m., but squally N.W. to W.N.W. winds. Ci. from N. at 11 a.m. Fine clear night. Bar. unsteady. Rough seas. Aurora in S. to S.S.W.           |
| 4  | Fine clear day with light W.N.W. to N.E. winds. Ci. from N.W. in the p.m. Fierce storm from N.E. at night. Bar. falling. Rough seas.                                  |
| 5  | Squally N.E. gales with light rain until 10 a.m., then strong W.N.W. gales with clearing showers. Bar. rising rapidly. V. high seas.                                  |
| 6  | Fine and clear at first but clouded over towards noon. Calm and overcast at night with light snow showers. Bar. unsteady. R. rough seas. Vivid Aurora.                |
| 7  | Fine clear morning gradually clouded over. Few snow showers in the afternoon. Clear night. Bar. rising slowly. Rough seas.                                            |
| 8  | Fine morning. Cloudy in the afternoon. Fine clear night. Bar. rising steadily. Rough seas. Extensive Aurora over the Southern sky.                                    |
| 9  | Snow during the night. Overcast with occasional snow showers. Light W. to W.N.W. winds. Bar. unsteady. Rough seas.                                                    |
| 10 | Snow during the night. Foggy to misty and almost calm during the day. Light showers at night. Bar. rising. Rough seas. Aurora in E.S.E. to S.W.                       |
| 11 | Fine, overcast with light winds Str. from N.E. Ci. Str. from N.N.E. in the afternoon. Rain from 6.30 to 8 p.m. Bar falling. Rough to mod. seas. Aurora glow in the S. |
| 12 | Fine and partly clouded during the day. Steady rain in the evening. Bar. unsteady. R. rough seas.                                                                     |
| 13 | Foggy in morning. Fine afternoon followed by steady rain and mist. Bar. unsteady. Rough seas.                                                                         |
| 14 | Dense fog in the morning, afterwards overcast to misty with light winds. Bar. rising. High seas.                                                                      |
| 15 | Fine morning. Foggy with light rain in the p.m. followed by snow. Bar. rising. R. rough seas.                                                                         |
| 16 | Fine morning, became overcast by 2 p.m. and snow showers continued all p.m. Bar. rising. R. rough seas. Aurora in S.                                                  |
| 17 | Overcast at first followed by rain until 3 p.m., the afternoon showery. Fine clear night. Bar. unsteady. Rough seas. Brilliant Aurora S.E. to S.W.                    |
| 18 | Blinding rain with Southerly gales in the a.m. Cleared to fine evening with Ci.Cu. and Ci. Str. from N.W. Bar. rising. Rough seas. Brilliant Aurora.                  |
| 19 | Nice fine day. Mod. W.S.W. winds backing to W.N.W. at night. Ci. and Ci.Cu. from W. in the a.m. Clear at night. Bar. rising. Rough sea. Brilliant Aurora.             |
| 20 | Strong to mod. W.N.W. gales throughout and foggy to light misty showers. Bar. unsteady. High seas.                                                                    |
| 21 | Foggy morning. Fine p.m. Strong N.W. to W. gales during the day moderating at night. Bar. unsteady. V. high seas. Brilliant Aurora W. to E.                           |
| 22 | Misty to foggy in morning. Fine afternoon. Fog at night followed by rain. Squally N. winds in the a.m. Bar. unsteady. Rough seas. Aurora in S.E. to S.W.              |
| 23 | Foggy and almost calm in a.m. Showery during p.m. Bar. unsteady. R. rough seas. Aurora in S.E. to S.W.                                                                |
| 24 | Fine but cloudy to overcast throughout. Few light snow showers in the a.m. Light winds. Bar. rising slowly. R. rough seas. Aurora in S.                               |
| 25 | Fine pleasant day with light winds to calms. Overcast at night. Bar. unsteady. Moderate seas. Aurora in S. to S.W.                                                    |
| 26 | Snow and rain during the morning. Showery p.m. Light winds to calms. Bar. unsteady. Rough seas. Aurora in S.E. to S.W.                                                |
| 27 | Overcast in the morning. Fine afternoon. Foggy with rain at night. Light winds to calms. Bar. steady. R. rough seas.                                                  |
| 28 | Nice fine day with light winds and few clouds. Bar. rising. R. rough seas.                                                                                            |
| 29 | Foggy with light showers in the a.m., afterwards overcast to misty. Bar. rising steadily. Rough seas.                                                                 |
| 30 | Misty rain at first, cleared towards noon. P.m. fine but clouds. Bar. rising steadily. R. rough seas. Aurora glow in S.                                               |

**TABLE XII.**

**DAILY SYNOPSIS.**

**COMPILED FROM DAILY WIRELESS REPORTS.**

Table XII.—DAILY SYNOPSIS.

MACQUARIE ISLAND.

Compiled from Daily Wireless Reports.

DECEMBER, 1913.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).		Air Temperature.				Humidity, 9 a.m.	Wind.				State of Sea.	Clouds (0-10)..		Remarks.		
			9 a.m.		Maxi- mum.	Min- imum.		9 a.m.		6 p.m.							
	9 a.m.	6 p.m.	Dry.	Wet.				V.P.	R.H.	Direction.	m.p.h.	Direction.	m.p.h.	9 a.m.	6 p.m.		
1	In.	In.	°	°	°	°	In.	%	S.S.E.	19	S.S.E.	10	M.	5	10	Fine, but cloudy to overcast.	
2	29.75	29.76	38	37	39	35	4	·21	90	C.	0	N.W.	4	M.	10	10	Overcast.
3	29.75	29.73	44	44	44	39	5	·29	100	N.N.W.	7	N.	4	M.	10	7	Misty in a.m.; Cloudy during p.m.
4	29.67	29.63	44	44	48	41	7	·29	100	N.N.W.	7	W.N.W.	10	M.	10	10	Foggy to misty.
5	29.33	29.33	45	45	46	43	3	·30	100	N.	25	N.W.	7	R. to M.	10	3	Steady rain to a.m. Fine in p.m.
6	29.34	29.41	47	46	47	42	5	·30	92	N.	25	N.W.	14	R.	5	3	Fine, but cloudy.
7	29.61	29.77	46	46	48	42	6	·31	100	W.N.W.	4	W.	10	R.	10	5	Overcast to cloudy.
8	29.88	29.87	44	44	50	40	10	·29	100	N.W.	14	N.N.W.	7	M. to S.	10	10	Overcast throughout, with moderate winds.
9	29.86	29.86	47	46	48	43	5	·30	92	N.	19	N.	19	M. to S.	3	10	Cloudy to overcast.
10	29.87	29.87	47	46	49	44	5	·30	92	N.N.E.	14	N.	4	M. to S.	10	10	Overcast to misty.
11	29.86	29.79	47	46	49	43	6	·30	92	C.	0	C.	0	S. to S.	10	7	Overcast.
12	29.67	29.64	44	44	53	40	13	·29	100	C.	0	S.S.E.	10	S. to S.	3	10	Cloudy to overcast.
13	29.74	29.73	41	40	42	38	4	·23	91	S.S.E.	14	S.	14	M.	10	10	Overcast to misty rain.
14	29.63	29.58	42	42	46	37	9	·27	100	S.	4	S.	4	M. to S.	10	10	Misty rain in a.m. Overcast in p.m.
15	29.45	29.44	39	39	48	36	12	·24	100	W.	10	S.W.	7	S.	10	10	Showery in a.m. Snowing in p.m.
16	29.50	29.53	38	36	43	33	10	·19	81	S.S.W.	7	W.S.W.	14	S. to M.	10	10	Overcast throughout. Moderate winds.
17	29.42	29.53	43	42	43	37	6	·25	91	W.	31	S.S.W.	14	R.	10	10	Squally, with passing showers.
18	29.47	29.37	44	44	44	35	9	·20	100	W.N.W.	25	W.N.W.	19	R.R.	10	10	Light rain throughout.
19	29.72	29.76	43	42	44	38	6	·25	91	S.	14	W.N.W.	25	R.	10	10	Squally and misty to light rain.
20	29.66	29.40	44	44	45	42	3	·20	100	N.W.	31	W.S.W.	37	M. to R.R.	10	10	Overcast in a.m. Steady rain during p.m.
21	29.34	29.35	43	42	45	39	6	·25	91	W.	37	W.	44	H.	10	10	Squally, with passing showers.
22	29.58	29.58	42	42	44	39	5	·27	100	W.	19	C.	0	R. to M.	10	10	Overcast to squally.
23	29.63	29.53	44	44	44	40	4	·29	100	E.	4	E.	7	S.	10	10	Misty rain at first followed by fog.
24	29.17	29.56	46	46	48	44	4	·31	100	W.N.W.	44	N.N.W.	25	H.	10	10	Fierce squalls in a.m. Misty in p.m.
25	29.68	29.65	45	45	48	44	4	·30	100	N.N.W.	19	W.N.W.	4	R.	10	10	Overcast at first, followed by light rain.
26	28.90	28.72	47	47	48	44	4	·32	100	N.	19	N.W.	25	R.R.	10	10	Light rain throughout.
27	29.32	29.16	45	45	49	42	7	·30	100	N.W.	19	N.	19	R.	3	10	Partially clouded at first, followed by light rain.
28	29.19	29.33	42	40	49	40	9	·22	83	W.	19	W.	14	M.	7	7	Cloudy throughout.
29	29.33	29.42	43	43	47	42	5	·28	100	N.	10	W.	19	M. to S.	10	10	Light rain in a.m. Overcast in p.m.
30	29.78	29.86	46	45	46	39	7	·29	92	W.	25	W.N.W.	14	R.R. to M.	7	3	Showery in a.m. Cloudy in p.m.
31	29.18	29.14	47	47	47	41	6	·32	100	N.	25	N.W.	19	R.R.	10	10	Misty rain in a.m. Overcast in p.m.
Means	29.547	29.549	43.7	43.2	46.3	40.0	6.3	·272	96	N.W.	16.5	W.N.W.	13.6	.....	8.8	8.5	

Pressure.—Mean barometer, 9 a.m., 29.547.

Temperature.—Mean, 9 a.m. ...	43.7	Highest, dry bulb ...	53.0
" maximum ...	46.3	Lowest "	33.0
" minimum ...	40.0	Highest range ...	13.0
" maximum and minimum ...	43.2	Lowest range ...	3.0

Abbreviations—State of Sea.—S. = slight, S. = smooth, M. = moderate, R.R. = rather rough, R. = Rough, H. = high, V.H. = very high.

Table XII.—DAILY SYNOPSSES—continued.

MACQUARIE ISLAND.

Compiled from Daily Wireless Reports.

JANUARY, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).	Air Temperature.				Di- urnal Range.	Humidity, 9 a.m.	Wind.				State of Sea.	Clouds (0-10).		Remarks:			
		9 a.m.		Maxt. imum.	Min. imum.			9 a.m.		6 p.m.								
		9 a.m.	6 p.m.					Dry.	Wet.	V.P.	R.H.	Direction.	m.p.h.	Direction.	m.p.h.			
1	In. 29.05	In. 29.13	°	°	°	°	5	In. 27	% 92	N.W.	31	W.N.W.	31	R.	5	5	Squally, Partly cloudy through-out.	
2	28.92	28.75	45	45	47	42	5	30	100	N.N.W.	37	N.W.	25	H.	10	7	Squally, with misty rain.	
3	29.16	29.44	40	38	48	35	13	20	82	W.	19	W.	19	H. to R.	7	7	Cloudy throughout.	
4	29.68	29.58	45	45	45	40	5	30	100	N.W.	19	N.N.W.	19	R.R.	10	10	Overcast throughout.	
5	29.14	29.24	43	43	46	43	3	28	100	S.S.E.	25	S.E.	25	R.R.	10	10	Overcast throughout.	
6	29.42	29.41	44	42	44	36	8	24	84	C.	0	N.E.	4	M.	5	10	Partly clouded at first, followed by steady rain.	
7	29.64	29.70	43	42	46	41	5	25	91	W.	14	N.W.	14	M.	10	10	Showery to overcast.	
8	29.25	28.72	45	45	48	42	6	30	100	W.	19	N.N.W.	25	R.	10	10	Squally, with light rain.	
9	28.71	28.87	44	44	46	44	2	29	100	N.W.	25	W.	31	H.	10	10	Light rain at first, afterwards showers.	
10	29.12	28.95	43	43	45	42	3	28	100	N.W.	25	N.N.W.	25	R.	10	10	Showery in a.m. Light rain in p.m.	
11	28.98	28.86	46	46	46	43	3	31	100	N.N.W.	25	N.N.W.	25	R.	10	10	Showery throughout.	
12	29.22	29.39	46	45	47	44	3	29	92	N.W.	25	N.W.	25	R.	10	10	Overcast throughout.	
13	29.21	29.25	45	45	48	44	4	30	100	S.E.	19	W.S.W.	25	R.R.	10	10	Steady rain in a.m. Showery at night.	
14	29.44	29.18	46	45	47	43	4	29	92	W.N.W.	19	N.N.W.	25	R.R.	7	10	Cloudy at first, followed by light rain.	
15	29.25	29.21	45	45	47	43	4	30	100	N.W.	31	N.W.	31	R.	7	10	Cloudy and squally, with passing showers.	
16	29.28	29.42	45	45	48	42	6	30	100	W.N.W.	19	W.	25	R.	10	7	Showery in a.m. Cloudy in p.m.	
17	29.49	29.33	44	44	47	43	4	29	100	N.W.	25	N.W.	31	R.	10	10	Steady rain in a.m. Overcast in p.m.	
18	29.57	29.77	44	44	48	42	6	29	100	W.	31	W.N.W.	14	R. to M.	7	10	Cloudy to overcast.	
19	29.49	29.26	46	46	49	44	5	31	100	N.	25	W.N.W.	25	R.	10	10	Steady rain in a.m. Overcast in p.m.	
20	29.55	29.63	45	43	46	42	4	25	84	W.	37	W.N.W.	25	R.	7	7	Cloudy throughout.	
21	29.54	29.59	45	45	47	43	4	30	100	N.W.	39	W.S.W.	14	R.	10	10	Light rain in a.m. Overcast in p.m.	
22	29.70	29.62	46	45	47	38	9	29	92	C.	0	N.	19	Sl. to M.	7	10	Cloudy to overcast.	
23	29.56	29.53	45	43	49	41	8	25	84	W.	31	W.	25	R.	7	10	Cloudy to showery.	
24	29.72	29.62	45	44	48	40	8	27	92	W.	25	N.W.	25	R.	10	10	Overcast at first, followed by steady rain.	
25	29.73	29.76	44	43	46	38	8	27	92	W.	19	W.	14	R.R. to M.	7	7	Cloudy throughout.	
26	29.67	29.61	45	43	48	39	9	25	84	E.S.E.	25	E.	31	M. to R.	3	10	Cloudy to overcast.	
27	29.68	29.63	46	44	46	39	7	28	84	E.	25	N.E.	19	R.	5	10	Cloudy to overcast, squally.	
28	29.48	29.28	45	45	46	44	2	30	100	N.E.	25	N.N.W.	25	R. to V.H.	10	10	Raining throughout.	
29	29.25	29.07	44	44	48	44	4	29	100	S.E.	19	S.W.	19	H.	10	10	Steady rain	
30	29.33	29.47	43	42	46	43	3	25	91	S.	25	S.	25	R.	10	10	Steady light rain.	
31	29.84	29.87	45	44	45	42	3	27	92	S.	19	S.S.E.	14	R.	0	3	Fine, clear a.m. Partly clouded in p.m.	
Means	29.389	29.359	44.6	43.9	46.8	41.6	5.2	277	94	W.N.W.	23.2	W.N.W.	22.5	.....	8.2	9.1		

Pressure.—Mean barometer, 9 a.m., 29.389.

Temperature.—Mean, 9 a.m. ... ... ... 44.6	Highest, dry bulb ... ... 49.0
" maximum ... ... 46.8	Lowest ... ... 35.0
" minimum ... ... 41.6	Highest range ... ... 13.0
" maximum and minimum 44.2	Lowest range ... ... 2.0

Abbreviations—State of Sea.—Sl. = slight, S. = smooth, M. = Moderate, R.R. = rather rough, R. = rough, H. = high, V.H. = very high.

Table XII.—DAILY SYNOPSSES—continued.

MACQUARIE ISLAND.

Compiled from Daily Wireless Reports.

FEBRUARY, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).	Air Temperature.				Di- urnal Range.	Humidity, 9 a.m. V.P. R.H.	Wind.				State of Sea.	Cloud (0-10).		Remarks.
		9 a.m.		Maxi- mum.	Min- imum.			9 a.m.		6 p.m.			9 a.m.	6 p.m.	
		9 a.m.	6 p.m.	Dry.	Wet.			Direction.	m.p.h.	Direction.	m.p.h.	Direction.	m.p.h.	Direction.	m.p.h.
1	In. 29.83	In. 29.89	° 44	° 44	° 46	° 41	° 5	In. °29	% 100	W.N.W. 4	N. 7	R.R. 10	7	Overcast to cloudy.	
2	30.05	30.04	47	47	50	45	5	32	100	N.N.W. 4	C. 0	R.R. 10	10	Light rain throughout.	
3	29.94	29.85	47	47	52	45	7	32	100	N.W. 4	W.S.W. 25	R.R. 10	10	Overcast throughout.	
4	30.02	30.00	43	41	47	... ...	...	23	83	S.S.W. 19	S.S.W. 10	R.R. to M. 10	7	Overcast to cloudy.	
5	29.78	29.58	44	43	49	40	9	26	92	N.N.E. 25	N.N.W. 25	R. 5	10	Light rain throughout.	
6	29.90	29.85	46	45	46	41	5	28	92	N.W. 7	N.N.W. 19	M. to R.R. 10	10	Overcast heavy, gloomy sky.	
7	29.43	28.99	46	46	49	45	4	31	100	N. 31	N.N.W. 25	R. to H. 10	10	Squally, with steady rain.	
8	29.41	29.51	46	45	46	43	3	28	92	W.N.W. 31	N.W. 31	V.H. 10	10	Light rain throughout.	
9	29.30	29.15	47	47	48	45	3	32	100	N.N.W. 37	N.N.W. 25	H. 10	10	Overcast and squally.	
10	29.16	29.18	45	45	47	42	5	30	100	N.W. 25	N.W. 25	H. to R. 5	5	Fine, but cloudy.	
11	29.30	29.34	42	42	47	39	8	27	100	W.N.W. 25	W.N.W. 25	R. 5	7	Showery..	
12	29.60	29.75	44	43	47	39	8	26	92	W. 19	W. 19	R. 10	10	Hailstorm in a.m. Overcast in p.m.	
13	29.66	29.49	45	45	45	40	5	30	100	N.W. 31	N.W. 37	R. 10	10	Light steady rain throughout.	
14	29.26	29.41	47	47	47	45	2	32	100	N.W. 37	W. 19	H. 10	10	Light rain in a.m. Overcast in p.m.	
15	29.65	29.47	44	44	47	43	4	29	100	N.W. 19	N.W. 37	R. 10	10	Overcast to light rain.	
16	29.80	29.94	46	45	47	43	4	28	92	W. 31	W.N.W. 25	R. 5	10	Squally, showery, warning overcast in p.m.	
17	29.51	29.29	46	46	49	44	5	31	100	N.W. 37	C. 0	H. 10	10	Light rain throughout.	
18	29.02	29.26	40	39	46	37	9	22	91	W.S.W. 19	W.N.W. 31	H. 7	10	Squally, with passing showers.	
19	29.33	29.44	42	42	46	40	6	24	100	W. 25	W. 19	H. 7	10	Squally, with passing showers.	
20	29.88	30.01	44	42	45	37	8	24	84	W.S.W. 14	W.N.W. 10	R. 7	5	Fine, but cloudy.	
21	29.61	29.76	44	44	47	42	5	29	100	N.E. 7	N. 10	R.R. 10	10	Misty rain in a.m. Foggy p.m.	
22	29.47	29.66	46	46	48	44	4	31	100	N.N.W. 31	W. 19	R. 10	5	Light rain in a.m.. Cloudy p.m.	
23	29.68	29.34	45	44	47	42	5	27	92	N. 14	W. 14	R.R. 10	10	Overcast first, followed by light rain.	
24	29.39	29.41	43	41	48	39	9	23	83	W. 25	W. 25	R. 10	10	Squally, with passing showers and hail.	
25	29.54	29.71	37	35	44	34	10	19	81	W. 25	S.W. 25	..... 7	10	Squally, with snowstorms.	
26	29.66	29.68	45	44	45	37	8	27	92	W. 31	W. 31	R. 10	10	Overcast at first, afterwards squally, with light rain.	
27	29.84	29.71	44	43	47	41	6	26	92	W. 14	W.N.W. 19	R.R. 10	10	Overcast throughout.	
28	29.35	29.37	45	43	45	43	2	25	84	W. 25	W. 14	R.R. 10	3	Overcast to cloudy.	
Means	29.585	29.574	44.4	43.8	47.0	41.3	5.7	278	95	W.N.W. 22	W.N.W. 20.4	..... 8.9	8.9		

Pressure.—Mean barometer, 9 a.m., 29.585.

Temperature.—Mean, 9 a.m. ... ... ... 44.4 Highest dry bulb ... ... 52.0  
 " maximum ... ... 47.0 Lowest " ... ... 34.0  
 " minimum ... ... 41.3 Highest range ... ... 10.0  
 " maximum and minimum 44.2 Least " ... ... 2.0

Abbreviations—State of Sea.—S1 = slight, S. = smooth, M. = moderate, R.R. = rather rough, R. = rough, H. = high, V.H. = very high.

Table XII.—DAILY SYNOPSSES—continued.

MACQUARIE ISLAND.

Compiled from Daily Wireless Reports.

MARCH, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).		Air Temperature.			Humidity, 9 a.m.	Wind.				State of Sea.	Cloud (0-10).		Remarks.		
			9 a.m.		Maxi- mum.		V.P.	R.H.	9 a.m.	6 p.m.		9 a.m.	6 p.m.			
	9 a.m.	6 p.m.	Dry.	Wet.					Direction.	m.p.h.		Direction.	m.p.h.			
1	In.	In.	°	°	°	°	In.	%	C.	10	C.	0	M.	10 10	Overcast, with heavy gloomy sky.	
2	29.27	29.40	42	41	42	35	7	24	91	W.	10	W.	25	M. to R.R.	7 7	Cloudy in a.m. Passing showers in p.m.
3	29.68	29.60	43	42	45	40	5	25	91	W.	10	N.	19	R. to H.	10 10	Overcast in a.m. Steady rain in p.m.
4	29.34	29.36	45	44	47	43	4	27	92	W.N.W.	25	W.	31	H.	10 10	Overcast to showery.
5	29.82	29.78	40	35	45	38	7	14	56	W.S.W.	25	W.	31	R. to H.	7 10	Cloudy in a.m. Steady rain in p.m.
6	29.96	29.75	43	43	43	39	4	28	100	W.N.W.	25	N.W.	31	R. to H.	10 10	Showery in a.m. Steady rain in p.m.
7	29.57	29.33	44	43	45	43	2	26	92	N.N.W.	14	N.W.	19	R.	10 10	Foggy to overcast.
8	29.96	30.02	42	38	44	38	6	18	66	W.S.W.	19	N.W.	25	R.R.	7 10	Cloudy, with heavy gloomy sky.
9	29.95	29.81	44	44	44	43	1	29	100	N.W.	25	N.W.	25	R.	10 10	Overcast at first, followed by steady rain.
10	29.89	29.96	44	44	44	43	1	29	100	C.	0	S.W.	10	M.	10 10	Light rain in a.m. Cloudy and gloomy in p.m.
11	29.85	29.73	40	39	44	39	5	22	91	S.E.	14	S.E.	4	M. to S.I.	10 7	Cloudy to gloomy.
12	29.90	29.80	44	42	44	37	7	24	84	W.	19	N.W.	19	R.R.	7 10	Cloudy to overcast.
13	29.79	29.87	42	41	44	42	2	24	91	S.E.	10	S.S.E.	10	S.I.	10 10	Overcast, with heavy gloomy sky.
14	30.19	30.23	42	37	43	38	5	15	58	S.S.W.	4	W.S.W.	4	Sl.	10 10	Overcast throughout.
15	30.23	30.14	43	43	43	40	3	28	100	N.N.W.	10	N.N.W.	14	M.	10 10	Overcast, followed by light rain.
16	29.90	29.78	44	43	45	42	3	26	92	N.W.	19	N.N.W.	19	M. to R.R.	10 10	Misty rain, followed by fog.
17	29.86	29.90	44	43	45	43	2	26	92	W.	7	N.W.	10	M.	10 7	Overcast to cloudy.
18	29.81	29.61	43	42	48	42	6	25	91	N.N.W.	14	N.N.W.	25	M. to R.R.	7 10	Overcast to cloudy.
19	29.55	29.66	44	41	45	42	3	22	75	N.W.	25	N.	25	R.	3 7	Cloudy in a.m. Showery in p.m.
20	29.84	29.73	43	42	45	37	8	25	91	N.W.	31	W.N.W.	25	R. to H.	10 10	Light misty rain.
21	30.01	29.02	45	45	45	43	2	30	100	N.W.	31	N.W.	31	H.	10 10	Overcast throughout.
22	29.63	29.61	46	46	47	45	2	31	100	N.N.W.	44	W.	31	V.H.	10 5	Steady rain in a.m. Showery in p.m.
23	30.08	29.08	42	40	46	37	9	22	83	W.	25	N.W.	25	R.	10 10	Overcast with heavy gloomy sky.
24	29.85	29.87	45	44	45	38	7	27	92	N.W.	37	W.N.W.	19	R.R.	10 0	Light rain in a.m. Fine and clear p.m.
25	29.85	29.63	44	44	45	43	2	20	100	N.N.W.	19	N.N.W.	4	R.	10 10	Overcast at first, followed by steady rain.
26	29.51	29.58	41	38	44	41	3	19	74	W.S.W.	19	W.N.W.	31	R.	10 10	Overcast and gloomy.
27	29.78	29.91	44	43	44	40	4	26	92	W.N.W.	25	W.N.W.	25	R.	10 10	Overcast throughout.
28	30.15	30.11	43	43	45	43	2	28	100	W.N.W.	19	N.	14	R.R. to M.	10 10	Misty rain.
29	29.78	29.71	45	45	45	43	2	30	100	N.	14	N.	4	R.R.	10 10	Light rain in a.m. Foggy in p.m.
30	29.76	29.50	42	41	46	37	9	24	91	C.	0	S.E.	10	Sl.	3 5	Fine, partly cloudy.
31	29.18	28.95	44	42	44	37	7	24	84	W.N.W.	19	N.	19	M. to R.R.	7 10	Cloudy to threatening.
Means	29.781	29.729	43.2	41.9	44.7	40.4	4.3	24.8	80	W.N.W.	18.3	N.W.	18.8	.....	9.0 9.0	

Pressure.—Mean barometer, 9 a.m. 29.781.

Highest dry bulb ... ... 48.0

Temperature.—Mean, 9 a.m. ... ... 43.2

Lowest " " " 35.0

" maximum ... ... 44.7

Highest range ... ... 9.0

" minimum ... ... 40.4

Least. " " " 1.0

" maximum and minimum 42.6

Abbreviations—State of Sea.—Sl. = slight, S. = smooth, M. = moderate, R.R. = rather rough, R. = rough, H. = high, V.H. = very high.

Table XII.—DAILY SYNOPSSES—continued.

MACQUARIE ISLAND.

Compiled from Daily Wireless Reports.

APRIL, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).		Air Temperature.				Humidity, 9 a.m.	Wind.				State of Sea.	Cloud (0-10):		Remarks.		
			9 a.m.		6 p.m.			9 a.m.		6 p.m.			9 a.m.				
	0 a.m.	6 p.m.	Dry.	Wet.	Maxi- mum.	Min- imum.	Di- urnal Range.	V.P.	R.H.	Direction.	m.p.h.	Direction.	m.p.h.	Direction.	m.p.h.		
1	In.	In.	°	°	°	°	°	In.	%	W.N.W.	25	W.	31	R. to H.	10	7	Hail showers at intervals throughout.
2	29.26	29.39	40	38	40	36	4	-20	82	W.	25	N:N.W.	14	R.	10	10	Overcast throughout.
3	29.27	28.94	45	45	45	40	5	-30	100	N.	25	W.	19	R.	10	10	Foggy to overcast.
4	29.01	29.12	43	41	46	42	4	-23	83	W.	37	W.	14	H. to R.	7	7	Showery a.m. Cloudy p.m.
5	29.32	29.46	42	40	44	36	8	-22	83	W.	19	W.S.W.	31	R.	5	7	Cloudy a.m. Squally; with hail p.m.
6	29.56	29.46	43	42	43	37	6	-25	91	W.	19	W.N.W.	10	R.R. to M.	10	10	Overcast to showery.
7	29.35	29.49	42	41	44	40	4	-24	91	E.	14	E.S.E.	25	M. to R.R.	10	10	Overcast throughout.
8	29.70	29.71	43	43	43	41	2	-23	100	C.	0	N.N.W.	25	R.R.	10	10	Overcast, followed by misty rain.
9	29.86	29.88	42	41	44	40	4	-24	91	S.E.	10	S.E.	19	M.	0	0	Fine and clear.
10	29.69	29.40	44	44	44	40	4	-29	100	N.N.E.	4	N.N.E.	14	R.R.	10	10	Fine and clear in morning. Misty rain in p.m.
11	29.14	29.18	43	42	46	42	4	-25	91	N:N.W.	14	N.N.W.	7	R.	10	0	Overcast in morning. Fine clear afternoon.
12	29.36	29.41	44	43	46	41	5	-26	92	N.	4	C.	0	R.R.	3	0	Fine, calm and clear.
13	29.53	29.56	42	42	47	41	6	-25	100	S.E.	25	S.E.	25	R.R.	5	0	Partly clouded in a.m. Fine, clear p.m.
14	29.51	29.28	39	39	42	38	4	-24	100	S.S.E.	4	W.S.W.	7	R.R.	10	10	Misty throughout.
15	29.31	29.61	35	34	42	33	9	-18	90	S.	25	S.	25	R.	10	10	Squally, with snow throughout.
16	29.87	29.76	30	38	39	33	6	-21	91	W.S.W.	14	W.	25	R.	10	10	Overcast to showery.
17	29.61	29.72	38	35	43	34	9	-16	72	W.S.W.	25	S.W.	31	H.	10	10	Squally snowstorms.
18	29.95	30.00	38	34	39	32	7	-14	63	S.W.	19	W.	19	R.R.	10	7	Overcast to showery.
19	29.00	29.79	40	39	40	37	3	-23	91	W.N.W.	25	W.N.	25	M.	10	10	Showery.
20	29.60	29.66	39	38	43	39	4	-21	91	W.	25	W.	25	M. to R.R.	10	10	Overcast to showery.
21	30.02	30.17	38	38	42	37	5	-23	100	S.	14	E.	7	S.I. to M.	10	10	Overcast throughout.
22	30.12	29.98	38	38	40	36	4	-23	100	N.W.	14	N.N.W.	10	S.I. to M.	10	10	Overcast throughout.
23	29.68	29.48	43	43	43	38	5	-28	100	N.N.E.	7	N.N.E.	19	M.	10	10	Overcast in a.m. Steady rain p.m.
24	29.59	29.69	44	44	46	43	3	-29	100	N.N.W.	19	N.W.	25	M. to R.R.	10	10	Overcast in a.m. Light rain p.m.
25	29.98	30.01	43	42	45	41	4	-25	91	N.W.	25	N.W.	19	R.R.	10	10	Overcast, heavy, gloomy sky.
26	30.17	30.20	43	43	44	43	1	-28	100	N.W.	4	N.N.W.	14	S.I. to M.	10	10	Foggy.
27	30.16	30.06	43	43	44	42	2	-28	100	N.N.W.	19	N.N.W.	19	R.R.	10	10	Overcast and gloomy to misty.
28	29.81	29.72	45	45	45	43	2	-30	100	N.	25	N.N.W.	19	R.	10	10	Light rain throughout.
29	29.40	29.21	46	45	46	43	3	-29	92	N.	14	N.	25	R.	10	3	Steady rain in a.m. Fine afternoon, few clouds.
30	29.16	29.05	42	39	46	40	6	-20	74	N.W.	31	N.W.	37	V.H.	7	5	Showery.
Means	29.504	29.574	41.4	40.5	43.5	38.8	4.7	-239	92	N.W.	17.7	W.N.W.	10.5	.....	8.9	7.9	

Pressure.—Mean barometer, 9 a.m., 29.594.

Temperature.—Mean, 9 a.m. ... ... ... 41.4      Highest dry bulb ... ... 47.0  
 " maximum ... ... ... 43.5      Lowest " ... ... 32.0  
 " minimum ... ... ... 38.8      Highest range ... ... ... 9.0  
 " maximum and minimum 41.2      Least " ... ... 1.0

Abbreviations—State of Sea.—S.I. = slight, S. = smooth, M. = moderate, R.R. = rather rough, R. = rough, H. = high, V.H. = very high.

Table XII.—DAILY SYNOSES—continued.

Compiled from Daily Wireless Reports.

MACQUARIE ISLAND.

MAY, 1914.

Day of Month	Barometer (Cor. to 32° F. M.S.L. and Gravity).		Air Temperature.				Di- urnal Range	Humidity, 9 a.m.		Wind.				State of Sea.	Clouds (0-10):		Remarks.
			9 a.m.		Maxi- mum:	Min- imum:		V.P.	R.H.	6 a.m.	6 p.m.	Direction.	m.p.h.	Direction.	m.p.h.	9 a.m.	6 p.m.
			Dry.	Wet.													
1	29.23	29.53	37	36	42	37	5	20	90	W.S.W.	14	W.S.W.	19	H. to R.	10	3	Passing showers, squally.
2	29.17	29.16	41	41	41	33	8	26	100	N.N.W.	25	W.N.W.	25	R.R.	10	3	Light rain in a.m. Cleared in p.m.
3	29.03	29.43	39	38	44	38	6	22	91	W.	19	W.S.W.	19	R.R.	7	7	Showery in a.m. Snowing in p.m.
4	29.72	29.71	38	35	40	32	8	16	72	W.S.W.	19	W..	25	R.R.	10	10	Overcast, with heavy gloomy sky throughout.
5	29.78	29.68	41	41	42	38	4	26	100	W.	25	W.N.W.	25	R.	10	10	Showery to light rain.
6	29.71	29.53	43	43	43	41	2	28	100	N.W.	31	N.W.	37	R. to H.	10	10	Overcast to light rain.
7	29.47	29.78	39	37	44	37	7	19	81	W.S.W.	31	W.S.W.	25	H. to R.	10	5	Snowing and squally.
8	29.81	29.63	42	41	42	33	9	24	91	N.W.	37	N.W.	37	H.	10	10	Heavy, gloomy sky in a.m. Light rain in p.m.
9	29.65	29.81	40	40	45	40	5	25	100	W.	19	C.	0	R.R.	10	3	Light rain in a.m. Fine and calm in p.m.
10	29.88	29.89	42	42	42	36	6	27	100	N.W.	25	N.W.	25	R.R.	10	10	Heavy gloomy sky throughout.
11	29.73	29.51	42	42	43	42	1	27	100	N.W.	31	W.	19	R.	10	10	Steady light rain.
12	29.60	29.46	39	39	43	37	6	24	100	W.	25	W.N.W.	31	R.R.	5	10	Showery.
13	29.58	29.55	39	36	41	35	6	17	72	W.	31	W.N.W.	37	R.	3	10	Squally and overcast.
14	29.41	29.14	41	39	41	39	2	21	82	W.N.W.	25	W.N.W.	10	R.R. to M.	10	10	Overcast in a.m. Steady rain in p.m.
15	29.44	29.84	32	30	42	31	11	14	79	S.W.	25	S.W.	14	M.	10	5	Snowing in a.m. Fine, but cloudy in p.m.
16	29.60	29.71	42	42	42	29	13	27	100	N.W.	44	W.S.W.	14	H. to R.	10	10	Light rain throughout.
17	29.82	29.88	43	42	43	41	2	23	91	N.W.	31	N.W.	25	R.R.	10	10	Light rain in a.m. Overcast during p.m.
18	29.89	29.77	43	43	43	41	2	28	100	N.N.W.	25	N.N.W.	25	M.	10	10	Misty rain throughout.
19	29.40	29.15	42	42	43	41	2	27	100	N.	25	W.	25	M.	10	10	Gloomy at first, followed by showery weather.
20	29.18	29.75	34	33	43	31	12	17	89	S.W.	25	S.S.W.	19	R.R.	10	3	Snowing and squally.
21	29.97	29.02	40	40	40	31	9	25	100	W.	19	W.	31	M. to R.	10	10	Light misty rain.
22	30.08	29.89	40	40	42	39	3	25	100	W.N.W.	19	N.W.	25	M. to R.R.	10	10	Misty rain throughout.
23	29.74	29.71	40	38	43	39	4	20	82	W.N.W.	19	N.W.	25	R.R.	5	5	Fine, but cloudy.
24	29.61	29.50	41	40	41	39	2	23	91	N.	4	N.	10	M.	10	10	Foggy morning, afterwards overcast.
25	29.56	29.72	40	40	43	39	4	25	100	N.W.	25	N.W.	25	M.	10	10	Misty rain in a.m. Overcast in p.m.
26	29.82	29.82	43	42	43	39	4	25	91	N.N.W.	31	N.N.W.	25	R.R.	10	10	Overcast in morning, followed by light rain.
27	29.79	29.88	40	40	43	40	3	25	100	W.	14	W.N.W.	19	R.R.	10	10	Heavy gloomy morning. Misty rain in p.m.
28	29.66	29.76	42	42	42	36	6	27	100	W.N.W.	31	W.N.W.	25	R.R.	10	10	Light rain throughout.
29	29.73	29.47	41	41	42	41	1	26	100	N.N.W.	19	N.N.W.	19	R.R.	10	10	Gloomy morning fog in p.m.
30	28.91	28.82	40	40	42	39	3	25	100	N.N.W.	14	N.W.	31	R.R.	7	3	Cloudy morning. Cleared in p.m.
31	28.67	28.68	31	31	40	33	7	17	100	W.N.W.	25	W.	31	R.	10	10	Snowing throughout.
Means	29.569	29.554	39.9	39.2	42.3	37.0	5.3	230	94	W.N.W.	24.3	W.N.W.	23.3	.....	9.2	8.3	

Pressure.—Mean barometer; 9 a.m., 29.569.

Temperature.—Mean, 9 a.m. .... 39.9      Highest dry bulb ... 45.0  
       " maximum .... 42.3      Lowest ... ; ... 29.0  
       " minimum .... 37.0      Highest range ... 13.0  
       " maximum and minimum 39.7      Least ... ; ... 1.0

Abbreviations.—State of Sea.—Sl. = slight, S. = smooth, M. = moderate, R.R. = rather rough, R. = rough, H. = high, V.H. = very high;

## AUSTRALASIAN ANTARCTIC EXPEDITION.

MACQUARIE ISLAND.

Table XII.—DAILY SYNOPSSES—continued.

Compiled from Daily Wireless Reports.

JUNE, 1914.

Day of Month.	Barometer (Cor. to 32° F., M.S.L. and Gravity).	Air Temperature.				Di- urnal Range,	Humidity, 9 a.m.		Wind.				State of Sea.	Clouds (0-10).		Remarks.	
		9 a.m.		Maxi- mum.	Min- imum.		V.P.	R.H.	9 a.m.		6 p.m.			9 a.m.	6 p.m.		
		0 a.m.	6 p.m.	Dry.	Wet.				Direction.	m.p.h.	Direction.	m.p.h.					
1	In. 29.05	In. 29.31	31	29	36	31	5	14	79	S.S.W.	14	S.W.	25	R.	10	10	Snowing all day. Rough sea.
2	29.16	29.16	35	32	37	28	9	14	70	W.S.W.	31	S.W.	15	R.	10	10	Overcast, with fierce squalls during a.m. Snowing in p.m.
3	29.28	29.46	29	28	35	27	8	14	89	S.S.W.	31	S.S.W.	19	R.	10	10	Fierce snow squalls throughout.
4	29.65	29.72	32	28	32	26	6	11	59	S.W.	14	W.	10	R.R. to M.	10	10	Overcast, with heavy, gloomy sky.
5	29.74	29.67	41	41	41	32	9	26	100	N.W.	25	N.W.	25	M. to R.R.	10	10	Overcast in the a.m. Light rain in the p.m.
6	29.79	29.79	39	39	42	39	3	24	100	N.W.	10	N.W.	14	M.	10	10	Overcast to misty.
7	29.63	29.67	41	41	41	39	2	26	100	W.N.W.	19	N.W.	19	M.	10	5	Light rain in the a.m.; Fine, but cloudy in p.m.
8	29.46	29.51	38	38	41	38	3	23	100	N.W.	25	W.N.W.	19	R.R.	5	0	Fine, but cloudy in the morning. Clear in evening.
9	29.60	29.65	39	38	40	37	3	22	91	W.N.W.	19	C.	0	M. to S.I.	10	3	Light rain in the a.m. Calm p.m. with few clouds.
10	29.54	29.31	42	42	42	35	7	27	100	N.N.W.	25	N.	25	R.R.	10	10	Light rain in the a.m. Overcast in the p.m.
11	29.03	29.15	38	37	43	37	6	21	90	N.N.W.	14	W.S.W.	31	R.	3	10	Clear morning, afterwards squally, with snowstorms.
12	29.38	29.36	38	37	40	29	11	21	90	W.N.W.	19	N.W.	25	R.R.	10	10	Overcast in morning, followed by light rain.
13	29.43	29.31	41	41	42	39	3	26	100	N.N.W.	19	N.	25	R.	0	10	Fine, clear morning. Overcast in the p.m.
14	29.45	29.66	30	38	43	39	4	22	91	W.S.W.	14	N.	19	R.R. to M.	10	0	Overcast in the morning. Fine, clear evening.
15	29.34	29.66	40	38	44	36	8	20	82	W.N.W.	44	W.N.W.	37	H.	10	3	Showery morning. Fine evening.
16	29.83	29.97	34	33	40	33	7	18	89	W.	25	W.	25	R.	10	3	Snowing in the morning. Cleared towards evening.
17	29.05	29.84	40	39	40	32	8	22	91	W.N.W.	31	N.W.	31	R.R.	10	10	Light rain in the a.m. Overcast in the p.m.
18	29.09	29.56	40	40	42	40	2	25	100	W.N.W.	19	W.N.W.	25	R.R.	3	10	Fine morning. Showery in the evening.
19	29.47	29.52	34	32	41	0	0	15	80	W.	25	S.	14	R.R.	3	10	Hailstorms in the a.m. Snowing in the evening.
20	29.55	29.74	39	38	39	33	6	21	91	W.	31	W.	19	R.R.	10	5	Showery in the a.m. Squally in the p.m.
21	29.82	29.58	36	34	39	33	6	17	80	W.N.W.	19	N.N.W.	25	R.R.	10	10	Fine, but cloudy in the a.m. Light rain in the p.m.
22	29.32	29.96	40	40	42	36	6	25	100	N.N.W.	10	N.W.	37	R.	10	3	Overcast in the a.m. Cleared in the p.m.
23	29.46	29.79	30	29	42	30	12	15	89	S.S.W.	19	W.S.W.	19	R.R.	10	5	Squally snow showers in the a.m. Fine, but cloudy in p.m.
24	29.66	29.37	41	41	41	30	11	26	100	N.N.W.	25	N.N.W.	25	R.R.	10	10	Steady light rain throughout.
25	29.65	29.93	35	34	41	34	7	18	90	S.W.	19	W.	19	R.	5	10	Cloudy in the a.m. Misty in the p.m.
26	30.04	29.91	40	40	40	35	5	25	100	W.N.W.	19	N.W.	25	M. to R.R.	10	10	Overcast throughout.
27	29.93	30.03	35	35	41	36	5	20	100	S.S.E.	25	C.	0	M. to S.I.	5	0	Fine, but cloudy during the day. Fine, clear night.
28	29.71	29.36	40	40	40	31	9	25	100	N.N.W.	31	N.	31	R.R.	10	10	Light rain throughout.
29	29.59	29.37	36	35	43	33	10	19	90	N.N.W.	19	N.	31	R.	5	5	Fine, but cloudy.
30	29.87	29.86	40	40	43	36	7	25	100	N.N.W.	31	N.W.	31	R. to H.	10	10	Steady rain in the a.m. Showery in the p.m.
Means	29.536	29.539	37.4	36.6	40.4	33.9	6.5	206	92	N.W.	22.4	N.W.	22.3	.....	8.3	7.4	

Pressure.—Mean barometer, 9 a.m., 29.536.

Temperature.—Mean, 9 a.m., ... ... 37.4 Highest dry bulb ... ... 44.0  
 " maximum ... ... 40.4 Lowest " ... ... 26.0  
 " minimum ... ... 33.9 Highest range ... ... 12.0  
 " maximum and minimum 37.2 Lowest " ... ... 2.0

Abbreviations.—State of Sea.—S.I. = slight, S. = smooth, M. = moderate, R.R. = rather rough, R. = rough, V.H. = very high, H. = high.

TABLE XII.—DAILY SYNOPSSES—*continued.**Compiled from Daily Wireless Reports.*

MACQUARIE ISLAND.

JULY, 1914.

Day of Month.	Barometer. (Cor. to 32° F. M.S.L. and Gravity).		Air Temperature.				Di- urnal Range.	Humidity, 9 a.m.		Wind.				State of Sea.	Clouds (0-10).		Remarks.
			9 a.m.		Maxi- mum.	Min- imum.		V.P.	R.H.	9 a.m.		6 p.m.			Direction.	m.p.h.	Direction.	m.p.h.
	0 a.m.	6 p.m.	Dry.	Wet.													
1	In.	In.	°	°	°	°	°	In.	%	N.W.	44	N.N.W.	44	T.	10	10	Gloomy in the a.m. Light rain during the p.m.
2	29.93	30.11	40	39	43	37	7	22	91	W.N.W.	25	W.	19	V.H.	3	3	Fine and clear.
3	30.48	30.40	37	36	40	32	8	20	90	N.N.W.	14	N.	19	R.	5	10	Cloudy to overcast.
4	30.15	30.02	41	41	41	37	4	26	100	N.	19	N.	19	M.	10	10	Foggy at first, followed by steady rain.
5	29.99	30.01	39	39	42	39	3	24	100	S.S.E.	19	C.	0	M.	10	0	Misty rain in the a.m. Fine clear p.m.
6	30.03	30.00	37	37	39	33	6	22	100	W.N.W.	14	N.W.	19	M.	10	10	Foggy throughout.
7	30.03	30.04	39	39	39	37	2	24	100	N.W.	19	N.W.	10	M.	10	5	Overcast to cloudy throughout.
8	29.96	29.82	37	37	39	36	3	22	100	N.	14	C.	0	M. to Sl.	10	10	Misty rain in the a.m. Foggy in the p.m.
9	29.59	29.43	40	40	40	37	3	25	100	N.E.	14	E.N.E.	19	M. to R.R.	10	10	Light rain in the a.m. Overcast in the p.m.
10	29.44	29.45	43	43	43	40	3	28	100	N.N.E.	4	N.N.E.	4	R.R.	10	10	Overcast throughout.
11	29.46	29.48	41	41	44	40	4	26	100	E.N.E.	4	E.S.E.	16	M.	10	10	Foggy, with misty rain.
12	29.64	29.74	37	37	41	36	5	22	100	E.S.E.	14	E.	10	Sl.	10	10	Misty to overcast.
13	29.91	29.90	40	37	40	36	4	18	73	C.	0	N.N.E.	7	Sl. to M.	10	10	Overcast throughout.
14	29.92	29.92	39	39	40	37	3	24	100	N.N.W.	7	N.W.	7	Sl. to M.	10	10	Cloudy in the a.m., followed by light rain.
15	30.20	30.07	31	29	39	30	9	14	79	S.W.	7	W.	25	Sl. to M.	5	10	Light misty rain throughout.
16	30.17	30.19	33	30	37	31	6	13	70	S.S.W.	19	S.W.	7	M.	10	3	Squally in the a.m. Fine p.m.
17	29.80	29.75	35	34	38	33	5	18	90	W.S.W.	19	S.	19	R.R.	10	10	Snowing all day.
18	29.02	29.86	32	31	34	31	3	16	89	S.W.	10	W.	19	R.R.	3	10	Fine a.m. Overcast in the p.m.
19	29.67	29.64	36	33	38	35	3	15	70	W.S.W.	25	W.S.W.	25	R.R.	5	10	Squally throughout.
20	29.35	29.21	31	30	37	29	8	15	89	W.S.W.	31	W.S.W.	25	R.R.	10	10	Fierce snow squalls throughout.
21	29.29	29.40	26	25	34	25	9	12	88	S.W.	19	S.W.	19	R.	10	10	Snow squalls throughout.
22	29.08	29.02	35	32	35	26	9	14	70	W.	25	S.S.W.	25	R.R.	5	10	Fine, but cloudy to overcast.
23	29.23	28.95	26	24	35	25	10	10	75	W.	4	E.S.E.	25	M.	10	10	Threatening in a.m., followed by squally snowstorms.
24	29.36	29.56	25	23	30	23	7	10	75	S.S.W.	14	S.	19	M.	10	3	Snow showers during day, clearing at night.
25	29.37	29.35	28	28	28	23	5	15	100	N.E.	4	W.S.W.	19	Sl.	10	5	Snowing in the a.m., afterwards fine, but cloudy.
26	29.37	29.11	37	37	37	28	9	22	100	N.N.W.	14	N.N.W.	14	Sl. to M.	10	10	Overcast, with heavy, gloomy sky.
27	29.02	28.82	35	35	41	33	8	20	100	N.W.	25	N.N.W.	19	R.	10	10	Squally, with hail showers.
28	29.13	29.23	35	33	38	32	6	16	80	W.N.W.	25	W.N.W.	19	R.	10	10	Overcast in the a.m., followed by light rain.
29	29.43	29.61	33	30	38	33	5	13	70	W.	25	W.	25	R.R.	3	5	Fine; partly cloudy.
30	29.48	29.53	39	38	39	32	7	21	91	N.N.W.	44	W.N.W.	25	R.R.	10	5	Steady rain in the a.m. Fine, cloudy in the p.m.
31	28.01	29.01	36	35	39	34	5	19	90	N.N.W.	10	S.	37	M.	10	10	Showery in a.m. Steady rain p.m.
Means	29.605	29.611	35.6	34.6	38.4	32.8	5.6	187	90	W.N.W.	17.1	W.N.W.	18.0	.....	8.7	8.4	

Pressure.—Mean barometer, 9 a.m., 29.605.

Temperature.—Mean, 9 a.m. ....	35.6	Highest dry bulb ...	44.0
" maximum .....	38.4	Lowest " .....	23.0
" minimum .....	32.8	Highest range .....	10.0
" maximum and minimum	35.6	Lowest " .....	2.0

Abbreviations.—State of Sea.—T. = tremendous, Sl. = slight, S. = smooth, M. = moderate, R.R. = rather rough, H. = high, V.H. = very high.

## AUSTRALASIAN ANTARCTIC EXPEDITION.

Table XII.—DAILY SYNOPSSES—continued.

Compiled from Daily Wireless Reports.

MACQUARIE ISLAND.

AUGUST, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity) <sup>11</sup>		Air Thermometer.				Di- urnal Range.	Humidity, 9 a.m.		Wind.				State of Sea.	Clouds (0-10).		Remarks.
			9 a.m.	Maxi- mum	Min- imum			V.P.	R.H.	9 a.m.	m.p.h.	Direction.	6 p.m.	m.p.h.	9 a.m.	6 p.m.	
	9 a.m.	6 p.m.	Dry.	Wet.													
1	In.	In.	°	°	°	°	°	15	89	W.S.W.	19	N.W.	10	R.R.	10	10	Heavy, gloomy sky in the a.m. Light rain in p.m.
2	29.60	29.71	33	32	35	33	2	17	89	W.S.W.	10	S.W.	14	M.	10	10	Snowing in the a.m. Gloomy and overcast in the p.m.
3	29.80	29.87	37	37	37	33	4	22	100	W.	19	W.	14	R.R.	10	10	Misty rain throughout.
4	29.90	29.55	38	38	38	37	1	23	100	W.N.W.	19	N.N.W.	25	Sl. to M.	10	10	Overcast first, followed by steady rain.
5	29.64	29.34	35	33	40	35	5	16	80	W.N.W.	10	E.N.E.	10	Sl.	10	10	Overcast in a.m., followed by steady rain. Light winds.
6	28.91	29.22	34	34	39	34	5	19	100	S.S.E.	31	S.W.	10	R.R.	10	5	Snowing in the a.m. Partly clouded in the p.m.
7	29.42	29.34	30	28	34	28	6	13	78	W.S.W.	14	N.N.E.	10	M. to Sl.	10	10	Overcast at first, followed by snow.
8	28.94	28.75	38	35	40	31	9	16	72	W.N.W.	25	N.N.W.	31	R.R.	10	10	Overcast in the a.m. Steady rain in the p.m.
9	28.88	28.97	33	30	38	33	5	13	70	W.	25	W.	25	R.	10	10	Overcast in the a.m. Snow in the p.m.
10	29.07	29.17	29	29	34	28	6	16	100	W.S.W.	31	W.S.W.	25	R.	10	10	Squally snowstorms throughout.
11	29.24	29.42	31	30	31	28	3	15	89	S.S.E.	14	S.	10	M. to Sl.	3	10	Fine morning, few clouds. Heavy, gloomy sky at night.
12	29.74	29.69	31	30	34	29	5	15	89	W.	10	N.W.	19	M.	10	10	Overcast, with heavy, gloomy sky.
13	29.27	29.33	40	40	40	31	9	25	100	N.N.W.	31	W.N.W.	25	R.R.	10	0	Steady rain during the day. Fine and clear at night.
14	29.50	29.52	37	36	40	34	6	18	81	W.N.W.	19	W.N.W.	25	R.	10	0	Overcast in the a.m. Fine, clear p.m.
15	29.16	29.04	41	41	41	37	4	26	100	N.	25	N.	10	R.	10	10	Steady rain in the a.m. Overcast in the p.m.
16	29.42	29.54	38	37	41	35	6	21	90	N.	10	S.	19	H.	3	10	Fine morning. Snowing in the p.m.
17	30.06	30.14	35	34	39	31	8	18	90	N.W.	14	N.N.W.	10	R.R. to M.	5	10	Fine, but cloudy to overcast.
18	30.03	29.94	38	38	38	35	3	23	100	N.N.E.	14	N.	25	R. to R.R.	10	10	Overcast to showery.
19	29.85	29.86	40	40	41	38	3	25	100	N.	19	N.W.	25	R.R.	10	10	Light rain in the a.m. Overcast during the p.m.
20	29.00	30.05	40	40	40	37	3	25	100	N.N.W.	31	N.W.	25	R.	10	10	Misty rain throughout.
21	30.11	30.02	40	40	41	39	2	25	100	N.W.	14	N.N.W.	31	R.R.	10	10	Misty to overcast.
22	29.89	29.76	39	39	41	39	...	24	100	N.W.	14	N.W.	31	R. to H.	10	10	Overcast in the a.m. Fine p.m.
23	29.50	29.62	40	40	41	39	2	24	100	N.W.	35	W.N.W.	31	H.	10	3	Overcast in the a.m. Fine p.m.
24	29.85	29.74	31	28	41	30	11	12	68	W.S.W.	14	N.N.W.	31	R.R.	3	10	Clear morning. Snowing in the p.m.
25	29.87	29.61	38	37	38	32	6	21	90	W.N.W.	25	N.N.W.	37	R.	10	10	Heavy, gloomy sky in the a.m., followed by light rain.
26	29.18	29.49	42	42	42	38	4	27	100	N.W.	44	W.N.W.	31	V.H.	10	9	Steady rain in the a.m. Fine, clear evening.
27	29.49	29.47	40	40	42	35	7	25	100	N.W.	31	N.W.	31	V.H.	10	10	Light rain throughout.
28	29.15	28.89	41	41	41	39	2	26	100	N.W.	31	N.W.	37	H.	10	5	Light rain in the a.m. Fine, but cloudy in p.m.
29	29.20	29.52	30	29	41	28	13	15	89	W.S.W.	27	W.	31	H. to R.	10	10	Squally, with snow showers.
30	29.56	29.45	40	39	40	28	12	22	91	N.W.	37	N.W.	37	H.	10	10	Overcast and gloomy;
31	29.00	28.97	35	35	40	35	5	20	100	W.N.W.	25	W.N.W.	25	R.	10	5	Snowing in the a.m. Fine, but cloudy in the p.m.
Moans.	29.516	29.499	36.3	35.5	38.9	33.4	5.5	196	92	W.N.W.	22.2	N.W.	23.5	.....	9.2	8.3	

Pressure.—Mean barometer, 29.516.

Temperature.—Mean, 9 a.m. . . . .	36.3	Highest dry bulb . . . . .	42.0
" maximum . . . . .	38.9	Lowest . . . . .	28.0
" minimum . . . . .	33.4	Highest range . . . . .	13.0
" maximum and minimum . . . . .	36.2	Lowest . . . . .	1.0

Abbreviations—State of Sea.—T. = tremendous, Sl. = slight, S. = smooth, M. = moderate, R.R. = rather rough, V.H. = very high.

Table XII.—DAILY SYNOPSSES—continued.

Compiled from Daily Wireless Reports.

## MACQUARIE ISLAND.

SEPTEMBER, 1914.

Day of Month	Barometer (Cor. to 32° F. M.S.L. and Gravity) <sup>12</sup>	Air Thermometer.				Humidity, 9 a.m. 9 p.m.	Wind.				State of Sea.	Clouds (0-10).		Remarks.						
		9 a.m.		Maxi- mum Temp.	Min- imum Temp.		9 a.m.		6 p.m.											
		Dry.	Wet.				V.P.	R.H.	Direction.	m.p.h.										
1	In. 29.13 29.26	In. 29.13 29.26	° 28 30	35 35	27 27	% 78 80	In. 29.13 29.13	% 78 78	W.S.W.	19	W.	25	R.	5	10	Partly clouded in the a.m. Snow in the p.m.				
2	29.18 29.13	29.13 29.13	39 39	39 39	29 29	10 10	24 24	100 100	N.W.	31	N.W.	31	R.R.	10	10	Overcast in the a.m. Light rain in the p.m.				
3	29.18 28.80	28.80 37	36 36	40 40	36 36	4 4	20 20	90 90	W.N.W.	25	W.N.W.	37	R. to H.	10	10	Overcast throughout.				
4	29.37 29.66	29.66 36	35 35	40 40	33 36	7 4	19 25	90 100	W.S.W.	31	W.N.W.	14	V.H.	10	10	Overcast, with fierce squalls.				
5	29.49 29.35	29.35 40	40 40	40 40	36 36	4 4	25 25	100 100	W.N.W.	31	N.N.W.	31	R. to H.	10	10	Light rain throughout.				
6	29.21 29.29	29.29 41	41 41	41 41	40 40	1 1	26 26	100 100	N.N.E.	25	W.N.W.	31	R.	10	0	Steady rain in the a.m. Fine clear p.m.				
7	28.80 29.63	29.63 40	40 40	42 42	39 39	3 3	25 25	100 100	N.N.W.	19	W.S.W.	37	R.	10	10	Misty morning. Fierce squalls in the p.m.				
8	29.37 29.23	29.23 40	40 40	42 42	32 32	10 10	25 25	100 100	N.W.	37	N.W.	37	H.	10	10	Overcast at first, followed by light rain.				
9	29.30 29.47	29.47 35	33 33	42 42	34 34	8 8	16 16	80 80	W.	19	W.	31	R.	5	3	Cloudy to showery.				
10	29.48 29.54	29.54 40	40 40	40 40	31 31	9 9	25 25	100 100	N.W.	37	N.W.	19	R.	10	5	Steady rain in the a.m. Cloudy in p.m.				
11	29.46 29.66	29.66 39	38 38	41 41	36 36	5 5	22 22	91 91	W.N.W.	37	W.S.W.	25	H.	10	5	Overcast and squally.				
12	29.68 29.86	29.86 31	29 29	39 39	30 30	9 9	14 14	79 79	W.S.W.	4	N.E.	4	R.	10	0	Overcast in the a.m. Fine, clear p.m.				
13	29.58 29.41	29.41 36	35 35	37 37	30 30	7 7	19 19	90 90	W.	7	N.N.W.	31	R.R.	10	10	Overcast in the a.m., followed by light rain.				
14	29.23 29.51	29.51 36	36 36	40 40	35 35	5 5	21 21	100 100	W.N.W.	19	W.	25	R.	5	10	Cloudy in the a.m. Squally, with passing shower in p.m.				
15	29.98 29.83	29.83 35	33 33	39 39	30 30	9 9	16 16	80 80	W.	25	W.N.W.	37	R. to H.	10	10	Heavy, gloomy morning, followed by steady rain.				
16	29.98 29.79	29.79 38	37 37	38 38	35 35	3 3	21 21	90 90	W.N.W.	31	W.N.W.	31	R.	10	10	Overcast, with heavy, gloomy sky.				
17	30.03 30.21	30.21 37	34 34	40 40	35 35	5 5	16 16	71 71	W.	31	W.	25	R.	10	5	Overcast and squally throughout.				
18	30.04 29.74	29.74 40	40 40	40 40	37 37	3 3	25 25	100 100	N.W.	31	N.N.W.	31	R.R.	10	10	Overcast to threatening rain.				
19	29.71 29.75	29.75 38	37 37	42 42	36 36	6 6	21 21	90 90	W.N.W.	31	W.N.W.	37	R. to H.	3	10	Fine clear a.m. Overcast in p.m.				
20	29.44 29.16	29.16 40	40 40	40 40	38 38	2 2	25 25	100 100	N.W.	37	W.N.W.	37	H.	10	10	Overcast throughout, N.W. to W.N.W. gales.				
21	29.54 29.51	29.51 37	36 36	41 41	34 34	7 7	20 20	90 90	W.	25	N.W.	31	H.	10	10	Fine, but cloudy to overcast.				
22	29.30 29.28	29.28 41	41 41	41 41	39 39	2 2	26 26	100 100	N.W.	37	N.N.W.	37	H.	10	10	Overcast throughout; N.W. gales.				
23	29.04 29.90	29.90 41	41 41	42 42	37 37	1 1	26 26	100 100	N.N.W.	31	N.	25	H.	10	10	Overcast throughout.				
24	28.66 28.59	28.59 39	39 39	42 42	37 37	5 5	24 24	100 100	N.W.	19	N.N.W.	25	R.	7	10	Cloudy, with passing showers.				
25	29.04 29.10	29.10 30	28 28	42 42	28 28	14 14	13 13	78 78	S.W.	10	N.W.	10	R.	3	10	Clear in the a.m. Overcast in the p.m.				
26	29.21 29.19	29.19 28	28 28	35 35	26 26	9 9	15 15	100 100	W.S.W.	14	W.	19	R.R.	10	10	Overcast in the a.m., followed by snow.				
27	29.36 29.25	29.25 36	36 36	36 36	28 28	8 8	21 21	100 100	W.N.W.	25	W.N.W.	25	R.	10	10	Overcast at first, followed by light rain.				
28	29.19 29.35	29.35 35	33 33	40 40	33 33	7 7	16 16	80 80	W.	31	W.S.W.	44	H.	7	10	Cloudy in the a.m., fierce snow squalls in p.m.				
29	29.67 29.34	29.34 36	34 34	37 37	29 29	8 8	17 17	80 80	W.	25	N.W.	37	H.	10	10	Overcast in the a.m., light rain in the p.m.				
30	29.78 29.89	29.89 33	30 30	40 40	30 30	10 10	13 13	70 70	S.	25	N.W.	37	R.R.	0	10	Fine clear a.m. Heavy, gloomy sky in the p.m.				
Obs	29.426 29.456	29.456 36.8	35.9 39.8	39.8 33.2	33.2 6.6	198 198	91 91	W.N.W.	25.6	W.N.W.	28.9	.....	8.5	8.6						

Pressure.—Mean barometer, 9 a.m., 29.426.

Temperature.—Mean, 9 a.m. ... 36.8  
 " maximum ... 39.8  
 " minimum ... 33.2  
 " maximum and minimum 36.5

Highest dry bulb ... 42.0  
 Lowest " ... 26.0  
 Highest range ... 14.0  
 Lowest " ... 1.0

Abbreviations.—State of Sea.—Sl. = Slight, S. = Smooth, M. = Moderate, R.R. = Rather Rough, R. = Rough, H. = High, VH. = Very High.

Table XII.—DAILY SYNOPSSES—continued.

Compiled from Daily Wireless Reports.

MACQUARIE ISLAND.

OCTOBER, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).		Air Thermometer.				Di- urnal Range.	Humidity, 9 a.m.	Wind.				State of Sea.	Clouds (0-10).		Remarks.				
			9 a.m.		Maxi- mum.				9 a.m.		6 p.m.			Direction.						
	9 a.m.	6 p.m.	Dry.	Wet.					V.P.	R.H.	m.p.h.	m.p.h.		Direction.	m.p.h.					
1	In.	In.	°	°	°	°	°	8	·26	100	N.W.	53	W.S.W.	25	V.H.	10	3	Light rain in the a.m. Fine, clear p.m.		
2	29.97	29.85	30	38	41	30	11	·21	91	N.W.	19	N.W.	25	R.	10	10	Overcast in the a.m. Light rain in the p.m.			
3	29.84	29.58	43	42	43	38	5	·25	91	N.W.	31	N.W.	37	H.	5	10	Overcast throughout.			
4	29.74	29.77	38	36	45	35	10	·19	81	W.	25	W.	37	V.H.	7	5	Fine, but cloudy.			
5	29.20	29.02	33	30	40	33	7	·13	70	W.S.W.	19	W.N.W.	37	H.	10	10	Squally, with snow showers.			
6	29.03	29.06	33	31	38	29	9	·15	80	W.S.W.	31	W.	31	V.H.	10	10	Squally, with snow showers.			
7	29.09	29.46	33	28	37	29	8	·00	50	W.S.W.	37	W.	10	V.H.	10	10	Squally, with snow showers.			
8	28.95	28.77	45	43	45	30	15	·25	84	N.N.W.	44	N.W.	44	R. to H.	10	10	Overcast throughout.			
9	28.71	28.59	38	36	45	38	7	·19	81	W.N.W.	31	S.	19	H.	5	10	Cloudy to overcast.			
10	28.03	29.06	32	28	39	27	12	·11	59	C.	0	W.S.W.	25	R.	5	10	Partly clouded in a.m. Squally with snow in p.m.			
11	29.25	28.90	31	29	33	25	8	·14	79	W.	19	N.	19	R.R.	10	10	Overcast in the a.m. Steady rain during the p.m.			
12	29.16	29.26	33	31	37	31	6	·15	80	S.	19	W.N.W.	14	M.	10	10	Overcast in the a.m. Snowing in the p.m.			
13	28.98	29.21	40	40	40	33	7	·25	100	N.W.	37	W.N.W.	37	R.	10	10	Steady rain in the a.m. Squally with showers in p.m.			
14	29.25	29.23	36	34	40	31	9	·17	80	W.N.W.	31	W.N.W.	25	R.	10	5	Squally, with snow showers.			
15	29.39	29.52	32	30	37	28	9	·14	79	W.S.W.	26	W.	19	R.R.	10	5	Snowing in the a.m. Cloudy in the p.m.			
16	29.27	29.05	41	39	41	29	12	·21	82	N.W.	44	W.N.W.	37	R. to H.	10	7	Cloudy to showery.			
17	29.38	29.58	33	31	41	29	12	·15	80	W.	25	W.	37	V.H.	3	10	Passing snow showers, squally.			
18	29.63	29.68	39	39	39	29	10	·24	100	W.N.W.	44	W.N.W.	37	V.H.	10	10	Overcast throughout.			
19	29.80	29.83	40	40	40	39	1	·25	100	W.N.W.	31	W.N.W.	31	H.	10	10	Overcast to misty.			
20	29.38	29.17	42	42	42	40	2	·27	100	N.W.	44	W.	38	V.H.	10	10	Light rain in the a.m., followed by squally showers.			
21	29.37	29.02	31	29	42	26	16	·14	79	W.	37	W.N.W.	44	V.H.	10	10	Snow showers throughout.			
22	29.04	29.14	32	31	36	30	6	·16	89	W.	31	W.	31	H.	10	10	Snowing all day.			
23	29.36	29.39	38	37	38	31	7	·21	90	W.N.W.	31	W.N.W.	31	R.	10	10	Overcast throughout.			
24	29.22	29.28	40	39	40	36	4	·22	91	W.	25	W.N.W.	15	R.R.	10	10	Overcast throughout.			
25	29.17	29.36	38	36	41	38	3	·19	81	W.	31	W.	31	R.R.	10	10	Threatening rain and squally.			
26	28.95	29.34	37	37	39	37	2	·22	100	W.	31	W.	25	R.	10	10	Squally, with snow showers.			
27	28.99	29.18	34	34	40	33	7	·19	100	W.	25	S.W.	19	R.	10	10	Squally, with snow showers.			
28	29.53	29.28	31	30	38	24	14	·15	89	W.S.W.	19	W.N.W.	31	R.R.	10	10	Overcast in the a.m., followed by steady rain.			
29	28.98	28.98	36	35	39	33	6	·19	90	W.	25	S.W.	14	R.	10	10	Showery and squally.			
30	29.40	29.25	32	30	37	28	9	·14	79	W.S.W.	25	W.	25	R.	10	10	Showery.			
31	29.31	29.14	37	37	38	32	6	·22	100	W.N.W.	25	W.	25	R.R.	10	10	Light rain in the a.m. Cloudy in the p.m.			
Means	29.281	29.28	36.4	34.9	39.7	31.7	8.0	182	85	W.	29.5	W.	28.5	.....	9.2	9.2				

Pressure.—Mean barometer, 9 a.m., 29.281.

Temperature.—Mean, 9 a.m. ....	36.4	Highest dry bulb .....	45.0
" maximum ....	39.7	Lowest     " .....	24.0
" minimum ....	31.7	Highest range .....	16.0
" maximum and minimum	35.7	Lowest     " .....	1.0

Abbreviations—State of Sea.—V.H. = very high, R. = rough, RR. = rather rough, M. = moderate.

Table XII.—DAILY SYNOPSSES—continued.

Compiled from Daily Wireless Reports.

MACQUARIE ISLAND.

NOVEMBER, 1914.

Day of Month.	Barometer (Cor. to 32° F. M.S.L. and Gravity).		Air Thermometer.			Di- urnal Range.	Humidity, 9 a.m.		Wind.			State of Sea.	Clouds (0-10).		Remarks:			
			9 a.m.		Maxi- mum.		Min- imum.		V.P.	R.H.	9 a.m.	6 p.m.	9 a.m.	6 p.m.				
	9 a.m.	6 p.m.	Dry.	Wet.														
1	In.	In.	o	o	o	o	o	o	In.	%	W.	19	W.	25	R.R. to M.	3	5	Passing snow showers in a.m. Fine, cloudy evening.
2	29.13	29.33	28	26	38	26	12	12	12	77	S.W.	25	S.W.	19	R.R.	5	10	Passing snow showers, squally.
3	29.52	29.57	38	37	38	24	14	21	90	W.	25	W.S.W.	25	R.R.	10	10	Showery throughout.	
4	29.34	29.45	40	40	40	34	6	25	100	W.N.W.	25	S.S.E.	14	M.	10	7	Steady rain in the a.m., Cloudy in the p.m.	
5	29.78	29.80	35	33	40	32	8	16	80	W.S.W.	10	S.S.E.	4	Sl.	10	10	Overcast throughout.	
6	29.56	29.20	36	36	39	33	6	21	100	N.E.	10	N.W.	14	R.R.	10	7	Light rain in the morning. Cloudy in the p.m.	
7	29.37	29.45	40	39	40	36	4	22	91	W.	25	N.W.	19	R.R.	10	10	Overcast at first, followed by light rain.	
8	29.30	29.29	41	41	43	40	3	26	100	W.N.W.	19	W.N.W.	19	R.R.	10	0	Overcast in the a.m. Fine, clear p.m.	
9	29.35	29.03	41	41	43	38	5	26	100	N.W.	25	W.N.W.	25	R. to H.	10	10	Overcast in the a.m. Steady rain in the p.m.	
10	28.95	28.97	40	38	43	35	8	20	82	W.N.W.	19	W.	25	R.	10	10	Overcast to showery.	
11	29.51	29.65	35	33	40	32	8	16	80	W.S.W.	31	W.	25	R.	10	10	Overcast to showery.	
12	29.46	29.52	39	39	41	35	6	24	100	W.	25	W.	31	R.	5	7	Cloudy, with passing showers.	
13	29.60	29.61	36	35	42	33	9	19	90	W.	31	W.	31	H.	10	7	Cloudy to showery.	
14	29.45	28.90	36	36	39	33	6	21	100	N.N.W.	7	N.	14	H.	10	7	Cloudy to showery.	
15	29.15	29.40	36	36	38	33	5	21	100	S.W.	19	W.S.W.	19	R.R.	10	10	Squally, with snow showers.	
16	29.34	28.86	38	38	42	31	11	23	100	N.	19	N.N.E.	25	R.R.	10	10	Squally, with misty rain.	
17	28.57	28.34	39	38	42	38	4	21	91	W.N.W.	19	N.W.	10	R.	10	10	Showery in the a.m. Squally, with steady rain in the p.m.	
18	28.95	29.48	41	40	43	35	8	23	91	S.S.W.	19	S.S.W.	7	V.H.	10	5	Showery.	
19	29.60	29.37	41	41	43	35	8	25	100	N.N.W.	19	N.N.W.	25	R.	10	10	Overcast to misty.	
20	29.12	29.93	40	39	40	38	2	22	91	W.N.W.	25	N.W.	31	R. to H.	5	10	Partly clouded in the a.m. Steady rain in the p.m.	
21	28.95	29.03	40	39	43	37	6	22	91	N.W.	25	W.N.W.	19	R.R.	10	7	Showery.	
22	29.24	29.33	38	38	41	36	5	23	100	W.N.W.	31	W.N.W.	31	R.	10	5	Squally showers.	
23	29.41	29.42	40	39	41	35	6	22	91	W.N.W.	25	W.N.W.	31	R.	3	3	Fine, few clouds.	
24	29.39	29.29	41	40	42	36	6	23	91	N.W.	37	W.	31	R. to H.	10	10	Light, steady rain throughout.	
25	29.39	29.42	40	39	41	38	3	22	91	W.N.W.	25	W.	19	R.	10	10	Overcast throughout.	
26	29.59	29.65	30	34	42	36	6	13	55	S.S.W.	7	S.	14	R.R. to M.	10	3	Overcast in the a.m. Fine, clear p.m.	
27	29.65	29.60	41	37	43	31	12	17	65	W.	7	N.	10	Sl.	5	10	Cloudy to overcast.	
28	29.50	29.62	42	42	43	38	5	27	100	N.N.E.	7	W.S.W.	14	M.	10	10	Overcast throughout.	
29	29.56	29.62	38	37	43	37	6	21	90	W.S.W.	25	W.S.W.	25	R.R.	10	10	Showery in the a.m. Snowing in the p.m.	
30	29.51	29.64	36	35	40	...	...	19	90	S.W.	14	S.W.	25	R.R.	10	10	Snow showers throughout.	
Means	29.350	29.367	38.3	37.3	41.1	34.3	6.8	-209	90	W.N.W.	20.6	W.	20.9	.....	8.9	8.1		

Pressure.—Mean barometer, 9 a.m., 29.350.

Temperature.—Mean, 9 a.m. ... ... 38.3      Highest dry bulb ... ... 43.0  
 " maximum ... ... 41.1      Lowest ... ... 24.0  
 " minimum ... ... 34.3      Highest range ... ... 14.0  
 " maximum and minimum 37.7      Lowest ... ... 2.0

Abbreviations.—State of Sea.—R.R. = rather rough, M. = moderate, Sl. = slight, H. = high, R. = rough, V.H. = very high.

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TABLE XIII.

MISCELLANEOUS RECORDS.

LUSITANIA BAY SUB-STATION.

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## LUSITANIA BAY.

Table XIII.—MISCELLANEOUS

Date.	Temperature..															
	Read at 9 a.m.		6 a.m.		9 a.m.		Noon.		3 p.m.		6 p.m.		9 p.m.		Sea Temperature.	
	Maxi- mum,	Min- imum,	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	9 a.m.	6 p.m.
Aug. 25	...	...	...	...	...	...	...	...	44·5	42·8	...	...	*39·7	38·7	...	...
,, 26	48·3	39·5	...	...	46·5	44·5	...	...	46·2	43·7	...	...	*44·0	42·3	...	...
,, 27	51·0	39·4	...	...	40·5	38·9	*39·0	37·0	...	...	37·3	35·5	*37·0	35·0	...	...
,, 28	44·3	35·5	...	...	39·5	38·3	...	...	*42·1	40·9	...	...	41·0	40·0	...	...
,, 29	50·0	39·7	*41·0	40·0	...	...	...	...	42·9	41·0	...	...	40·7	40·0	...	...
,, 30	49·1	35·3	...	...	37·7	36·0	...	...	37·7	36·3	...	...	*38·0	36·7	...	...
,, 31	40·5	36·3	...	...	38·3	37·0	...	...	39·5	38·5	...	...	36·2	35·7	...	...
Sept. 1	42·2	33·3	...	...	37·0	35·9	43·2	42·1	*36·1	35·5	35·2	35·0	*35·1	34·6	...	...
,, 2	40·8	35·1	...	...	38·8	38·0	39·4	39·0	39·2	38·9	39·0	38·5	40·0	39·5	...	...
,, 3	...	33·5	...	...	40·3	39·8	39·7	39·1	40·0	39·4	39·5	39·2	40·1	40·0	...	...
,, 4	44·5	39·5	...	...	43·2	41·9	38·6	37·8	44·3	43·9	42·2	41·8	42·1	41·6	...	...
,, 5	47·2	41·9	...	...	44·3	43·9	44·5	44·0	43·9	43·1	43·0	42·5	44·1	43·3	...	...
,, 6	46·7	43·0	...	...	43·5	42·9	46·0	43·3	*42·2	41·0	40·0	39·0	40·0	39·1	...	...
,, 7	47·8	40·0	...	...	41·0	40·3	41·2	40·8	41·2	40·8	40·2	40·0	40·0	39·5	...	...
,, 8	43·6	39·2	...	...	42·2	41·4	44·3	43·2	42·2	41·8	41·5	41·0	41·2	40·5	41·0	41·0
,, 9	46·5	40·6	...	...	40·6	40·0	40·1	38·5	*39·1	37·7	38·2	36·9	37·6	36·0	40·9	40·2
,, 10	43·2	35·6	...	...	39·6	38·0	40·6	39·7	41·8	41·1	44·1	43·3	45·1	43·9	40·2	40·7
,, 11	47·3	37·0	...	...	*42·0	38·8	...	...	39·2	36·7	39·0	36·2	38·0	35·0	40·8	39·9
,, 12	44·0	35·3	...	...	39·1	37·3	39·7	38·0	38·5	37·9	34·0	33·5	33·5	33·0	40·4	40·6
,, 13	42·0	33·5	34·0	31·0	...	...	...	...	37·0	33·9	34·9	33·2	34·8	33·2	38·8	39·9
,, 14	43·0	34·0	...	...	41·7	41·0	*43·2	42·8	42·6	42·3	41·2	40·8	41·0	40·8	41·0	41·4
,, 15	...	...	41·1	40·4	...	...	...	...	...	...	...	...	...	...	...	...
,, 28	...	*27·3	...	...	...	...	...	...	...	...	37·4	37·2	36·0	36·0	...	...
,, 29	...	36·0	...	...	38·2	36·3	42·4	41·6	...	...	...	...	...	...	40·0	...
,, 30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oct. 1	...	...	...	...	...	...	...	...	43·2	42·3	44·0	43·3	41·0	39·2	...	...
,, 2	47·0	37·7	...	...	*42·6	41·2	38·0	36·4	41·4	37·6	41·5	38·8	40·8	38·2	40·2	40·0
,, 3	52·2	35·6	...	...	38·8	37·5	43·0	40·1	*34·0	33·6	34·9	33·8	36·0	35·5	39·7	39·7
,, 4	47·3	34·5	...	...	44·0	40·7	44·8	40·7	40·5	38·5	39·0	38·2	42·0	41·2	40·3	40·4
,, 5	50·0	39·0	...	...	43·0	41·5	...	...	36·0	32·7	35·0	32·2	*34·0	32·0	41·0	38·0

## METEOROLOGY—MACQUARIE ISLAND STATION.

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RECORDS—continued.

AUGUST—NOVEMBER, 1912.

Wind Direction.						Cloud Amount (0-10).						Remarks.	Date.
6 a.m.	9 a.m.	Noon.	3 p.m.	6 p.m.	9 p.m.	6 a.m.	9 a.m.	Noon.	3 p.m.	6 p.m.	9 p.m.		
...	...	W.N.W.	...	W.N.W.	...	...	...	10	...	9	Heavy mist. * 7:45 p.m.	Aug. 25	
...	N.N.W.	...	N.W.	...	N.W.	...	10	...	10	...	10	Misty during day, and heavy rain at night. * 7:30 p.m.	,, 26
...	W.	W.	...	W.	W.	...	10	7	...	10	8	Light rain during day, with hail and sleet. * 1:30 p.m. t 5 p.m. f 8:30 p.m.	,, 27
...	N.W.	...	N.W.	...	N.W.	...	10	...	10	...	10	Mist on hills during morning, and rain in evening. * 4 p.m. t 8:35 p.m.	,, 28
N.W.	...	...	N.W.	...	W.	8	...	...	4	...	3	* 6:50 p.m. t 8 p.m. ....	,, 29
...	W.	...	W.S.W.	...	S.W.	...	10	...	10	...	9	Misty. * 8:15 p.m. ....	,, 30
...	S.W.	...	S.W.	...	...	...	6	...	8	...	10	Low clouds on hills during day, and heavy mist at night.	,, 31
...	S.E.	S.E.	S.E.	S.E.	...	...	9	5	10	10	10	Heavy fog and mist on hills in afternoon and night. * 3:45 p.m. t 8:30 p.m.	Sept. 1
...	E.	E.	N.E.	N.E.	...	10	10	10	10	10	10	Heavy mist all day. ....	,, 2
...	N.N.E.	N.N.E.	N.E.	N.	...	10	10	10	10	10	10	Heavy mist all day, and rain at 9 p.m. ....	,, 3
...	N.	N.N.W.	N.N.W.	S.W.	S.W.	...	10	10	10	10	10	Mist all day—heavy in a.m. and raining. Heavy rain in night.	,, 4
...	N.W.	W.N.W.	W.N.W.	W.N.W.	...	...	10	10	10	10	10	Heavy fog all day. ....	,, 5
...	N.W.	N.W.	N.N.W.	N.N.W.	N.N.W.	...	10	5	10	10	10	Mist in morning. Clear at 10 a.m. Heavy fog in afternoon and night. * 3:30 p.m.	,, 6
...	N.N.W.	N.N.W.	N.N.E.	E.	E.	...	10	10	10	10	10	Heavy fog. ....	,, 7
...	N.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	...	10	10	10	10	10	Heavy fog. ....	,, 8
...	...	W.	W.	W.	W.	...	10	10	10	10	10	Misty or showery most of the day. * 3:30 p.m. ....	,, 9
...	N.N.W.	N.	N.	N.N.W.	N.W.	...	9	10	10	10	10	Raining between noon and 6 p.m. ....	,, 10
...	W.	...	W.	W.	...	...	8	6	6	4	2	* 8:30 a.m. t 4:18 p.m. ....	,, 11
...	E.S.E.	S.E.	S.E.	S.	S.S.W.	...	10	10	10	10	9	Steady rain in afternoon, with hail and sleet. Snow in evening.	,, 12
W.	...	...	W.	Calm	Calm	9	...	9	10	10	10	Heavy snow on hills in early morning. ....	,, 13
...	N.	N.N.W.	N.N.W.	N.N.W.	N.N.W.	...	10	10	10	10	10	Heavy and steady rain in early morning, and later heavy fog most of day. * 1 p.m. ....	,, 14
N.W.	...	...	...	...	...	...	...	...	...	...	10	.....	,, 15
...	...	...	...	S.W.	S.W.	...	...	...	...	5	...	* Minimum during absence to north end of Island. ....	,, 28
...	N.W.	N.	...	...	...	...	10	10	...	...	...	Raining in morning, and heavy mist later. ....	,, 29
...	...	...	...	...	...	...	...	...	...	...	...	.....	,, 30
...	...	...	N.N.W.	N.W.	W.	...	...	10	10	10	10	Heavy mist, followed by heavy rain. ....	Oct. 1
...	W.	N.W.	W.S.W.	W.S.W.	W.S.W.	...	10	5	8	7	7	Squally and misty in a.m. * 8:12 a.m. t 3:30 p.m. ....	,, 2
...	W.	W.N.W.	...	N.N.W.	...	7	10	10	10	10	...	Snowing most of day, and misty in night. * 3:30 p.m. t 9:30 p.m. ....	,, 3
...	W.	...	N.	N.E.	N.N.E.	...	6	...	10	...	...	Sleet and mist. ....	,, 4
...	N.W.	...	W.	W.S.W.	S.W.	...	10	...	10	7	7	Heavy rain in morning. * 8 p.m. ....	,, 5

Table XIII.—MISCELLANEOUS

## LUSITANIA BAY.

## RECORDS.

AUGUST—NOVEMBER, 1912.

Wind Direction.						Cloud Amount (0-10).					Remarks.	Date.	
6 a.m.	9 a.m.	Noon.	3 p.m.	6 p.m.	9 p.m.	6 a.m.	9 a.m.	Noon	3 p.m.	6 p.m.	9 p.m.		
....	Calm	W.	W.	N.N.W.	...	...	9	4	10	...	...	Misty in early morning and night .....	Oct. 6
...	N.N.W.	N.	N.	N.W.	...	...	10	10	10	10	10	Raining during day, and fog at noon. ....	" 7
...	Calm	...	N.N.W.	N.E.	E.	...	10	...	...	...	...	Heavy mist most of day. * 8 a.m. ....	" 8
...	S.W.	S.W.	W.S.W.	...	W.S.W.	...	6	8	...	2	...	Snow squalls during day.....	" 9
...	W.N.W.	...	...	N.N.W.	...	...	10	...	...	...	10	Heavy mist and rain in evening. * 7:50 a.m. ....	" 10
...	N.N.W.	...	N.N.W.	W.N.W.	...	...	10	...	9	10	10	Squally and showery in evening .....	" 11
...	W.S.W.	...	...	S.	S.S.W.	...	9	10	10	10	6	Snowing most of day.....	" 12
...	S.W.	W.S.W.	...	W.	W.	...	9	10	...	7	8	Snow squalls in morning .....	" 13
...	W.S.W.	W.	S.W.	W.S.W.	W.	...	9	10	9	8	10	Heavy wind and snow squalls.....	" 14
...	S.W.	W.S.W.	S.W.	S.W.	S.W.	...	9	10	10	10	10	* 1 p.m. .....	" 15
...	W.	...	...	W.	N.W.	...	4	...	...	7	10	.....	" 16
...	W.N.W.	...	N.N.E.	...	...	...	10	10	10	10	...	Low cloud on hills at noon, and later mist on hills..	" 17
...	N.N.W.	N.N.W.	N.N.W.	N.N.W.	...	...	10	10	10	10	10	Light rain most of day .....	" 18
...	W.	...	N.W.	W.N.W.	...	...	6	...	10	10	10	Snow between 10 a.m. and noon, and rain in afternoon.	" 19
...	W.N.W.	W.	S.W.	S.S.W.	S.S.W.	...	10	8	10	9	9	Snow in afternoon .....	" 20
...	W.S.W.	W.S.W.	W.S.W.	S.W.	...	...	10	10	9	6	...	.....	" 21
W.	...	W.N.W.	W.N.W.	N.W.	W.	8	...	4	10	10	10	Raining in evening. * 7 a.m. ....	" 22
W.S.W.	...	...	S.W.	S.W.	S.W.	8	...	6	5	8	...	Snow squalls in afternoon and early evening. * 7:15 a.m. f 3:20 p.m.	" 23
...	S.W.	S.W.	S.W.	S.W.	S.W.	...	9	10	10	10	8	Heavy rain in early morning, and snow squalls between 9 a.m. and noon.	" 24
S.S.W.	...	...	...	W.S.W.	...	6	...	...	10	10	...	Heavy snow squalls in early morning. * 6:40 a.m.	" 25
...	W.S.W.	W.S.W.	W.S.W.	W.S.W.	W.S.W.	...	10	10	10	10	...	Squally, with rain and sleet in afternoon and early evening.	" 26
W.	...	W.N.W.	N.W.	N.N.W.	N.N.W.	6	...	9	10	10	10	Low cloud on hills during day, and rain in evening. * 7 a.m. f 12:30 p.m. f 3:40 p.m.	" 27
S.S.W.	S.S.W.	...	...	Calm	...	10	10	...	...	10	...	* 7:35 a.m. .....	" 28
...	W.S.W.	W.	W.	W.S.W.	...	...	10	10	6	6	1	Squally all day. Rain in a.m. and snow at 6 p.m....	" 29
N.	N.N.W.	...	...	...	...	...	9	10	...	10	...	Raining between 9 and 3 p.m., and misty later. * 9:20 a.m.	" 30
...	Calm	...	...	W.	...	10	10	...	...	7	10	Mist in morning; cleared about 3 p.m. Rain in night.	" 31
...	...	W.N.W.	W.N.W.	W.N.W.	W.N.W.	10	10	10	10	10	10	Mist all day.....	Nov. 1
...	W.N.W.	...	N.W.	W.	...	...	10	10	10	10	10	Mist in morning, and rain in afternoon and night... Snow squalls all day.	" 2
S.W.	...	...	...	W.	...	6	...	...	...	5	...	.....	" 3
W.	...	...	...	...	...	9	...	...	...	...	...	.....	" 4

## LUSITANIA BAY.

Table XIII—MISCELLANEOUS RECORDS—continued.

DECEMBER-JANUARY, 1912-13.

Date.	Temperature.								Wind Direction.			Cloud Amount. (0-10).			Remarks.	
	Read at 8:30 a.m.		9 a.m.		3 p.m.		9 p.m.									
	Max.	Min.	Dry.	Wet.	Dry.	Wet.	Dry.	Wet.	9 a.m.	3 p.m.	9 p.m.	9 a.m.	3 p.m.	9 p.m.		
Dec. 12	...	...	47.0	43.0	47.8	43.2	45.0	43.0	W.	W.S.W.	N.W.	6	3	10		
" 13	51.0	44.5	46.8	46.0	a47.6	a46.0	43.1	42.0	...	W.	W.	10	10	7	Very heavy mist at 9 a.m., and at 3 p.m. misty on hills.	
" 14	55.5	42.6	46.6	44.7	b43.5	b39.4	43.1	42.2	W.	W.	W.N.W.	10	5	10	Light showers at 9 a.m., and misty on hills.	
" 15	50.5	40.1	41.0	40.8	40.2	40.2	38.9	38.2	E.	S.W.	W.S.W.	10	10	10	Heavy rain throughout the day.	
" 16	45.0	38.8	39.0	37.9	c39.1	c37.7	37.7	35.8	S.W.	W.S.W.	W.S.W.	10	10	8	Showery at 9 a.m., and snow squalls at 4:50 p.m.	
" 17	46.6	36.5	42.2	39.9	d40.1	d37.9	38.0	35.8	S.S.W.	S.W.	S.W.	10	5	9	Light hail squalls all morning.	
" 18	49.0	38.0	43.8	40.5	e41.8	e39.0	39.1	36.0	W.	N.	Calm.	9	10	10	Heavy showers commenced at 1 p.m. and continued in afternoon.	
" 19	51.5	39.1	45.8	41.2	37.5	37.0	39.6	39.1	N.E.	N.E.	E.	10	10	10	Heavy rain in afternoon and night.	
" 20	47.6	37.8	43.2	41.1	43.5	42.0	40.2	38.1	W.S.W.	W.	W.S.W.	10	10	9	About 10:30 a.m. wind veered to W.N.W., accompanied by heavy rain, and back to W. again about 2:45 p.m.	
" 21	52.2	38.5	49.2	46.9	f46.0	f44.5	45.6	44.8	W.	W.N.W.	W.	5	10	10	Mist on hills in late afternoon and night.	
" 22	54.6	45.0	47.0	46.2	48.0	47.9	46.1	46.0	N.W.	N.N.W.	...	10	10	10	Heavy rain in morning, and flood in afternoon. Heavy mist at night.	
" 23	52.6	41.2	46.6	45.2	g46.7	g44.8	45.3	44.0	W.	W.	W.	4	8	10	Mist on hills in afternoon and night.	
" 24	53.1	45.3	46.3	45.2	48.7	47.0	45.0	44.0	W.	W.	...	10	10	10	Mist on hills all day.	
" 25	54.0	44.7	53.0	50.9	h47.7	h46.0	44.7	43.5	W.N.W.	...	...	10	10	10	Mist on hills all day, except between 1:45 p.m. and 4 p.m.; when cleared showing low cloud.	
" 26	54.0	42.0	48.1	47.1	i46.0	i43.4	44.6	42.7	N.W.	W.	W.	10	8	10	Heavy mist in a.m. Wind veered to W. by S. about noon, accompanied by heavy rain.	
" 27	50.1	40.8	47.7	46.0	...	...	...	...	N.W.	...	...	10	...	...	Mist on hills in morning.	
" 28	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
" 29	...	...	j50.6	j46.7	47.0	44.2	43.6	41.0	W.	W.	W.	9	9	9	Squally and showery during day, and hail at 3:30 p.m.	
" 30	53.0	41.3	k49.0	k45.7	l45.8	l42.0	m38.8	m37.3	W.	W.	W.	10	7	5	Squally and showery all day, and hail at 9:15 p.m.	
" 31	55.0	38.8	44.0	43.4	45.1	44.0	41.0	40.1	Calm	S.S.E.	S.S.W.	10	10	10	Heavy rain in early a.m., and showery all day.	
Jan. 1	52.3	37.2	45.0	43.9	47.0	45.9	44.9	43.2	N.W.	W.	W.	10	10	10	Mist on hills all day.	
" 2	49.0	42.5	47.1	44.2	...	...	n42.8	n40.1	W.N.W.	...	W.	10	...	3	Cloudy most of day, with upper level cloud. Little rain about 5 p.m. and mist on hills, but later clear.	
" 3	54.8	40.5	53.2	47.9	50.1	46.0	44.2	41.8	W.	W.N.W.	W.N.W.	7	7	10	Cloudy, with upper level cloud.	
" 4	56.0	41.5	42.0	42.0	o42.0	o41.0	43.8	42.5	S.S.E.	W.	W.N.W.	10	10	10	Raining in early a.m.; heavy on east coast. Low-level cloud about 1,200 feet in afternoon and night.	
" 5	46.1	37.3	43.3	40.5	43.9	39.4	43.0	41.0	W.S.W.	W.	N.W.	6	7	10	Snow and hail squalls in afternoon, and showers in night.	
" 6	52.5	40.2	50.9	47.0	p43.4	p39.2	39.9	37.0	W.	W.	W.	10	8	9	Occasional snow and hail squalls during day.	
" 7	52.0	37.1	50.0	44.0	q44.9	q41.0	44.0	41.3	W.	W.N.W.	N.W.	8	10	10	Snow squall at 11 a.m.	
" 8	51.0	43.3	...	...	...	...	...	...	...	...	...	...	...	...		

a 3:30 p.m.    b 3:15 p.m.    c 4:50 p.m.    d 5:0 p.m.    e 3:40 p.m.    f 4:40 p.m.    g 3:50 p.m.    h 6:0 p.m.    i 3:30 p.m.  
 j 10 a.m.    k 8:30 a.m.    l 4:30 p.m.    m 9:40 p.m.    n 8 p.m.    o 4 p.m.    p 4:30 p.m.    q 4 p.m.

TABLE XIV.

ODD RECORDS FROM ELEVATED  
STATIONS.

Table XIV.—ODD RECORDS FROM ELEVATED STATIONS.  
MACQUARIE ISLAND.

SEPTEMBER-NOVEMBER, 1912.

Date.	Station.	Time:	Elevation (feet).	Temperature.	Remarks.
Sept. 11 ...	Mt. Kidson	10·20 a.m.	feet. 1,253·7	deg. 33·8	
	Mt. Harrison	11·12 a.m.	1,111·0	35·2	
	Mt. Tulloch	2·0 p.m.	1,137·0	35·0	
	Mt. Jeffryes	2·36 p.m.	1,309·0	35·5	
	Mt. Fletcher	2·55 p.m.	...	40·2	
	Mt. Fletcher	3·12 p.m.	1,406·0	36·0	
Sept. 13 ...	Green Gorge	9·5 a.m.	...	37·0	
" "	Green Gorge	10·42 a.m.	...	39·0	
Oct. 22 ...	Mt. Fletcher	10·45 a.m.	1,406·4	37·0	Low cloud on hills.
" 23 ...	Mt. Fletcher	10·0 a.m.	1,406·4	33·0	
	Mt. Kidson	12·30 p.m.	1,253·7	34·0	
	Waterfall Lake	1·25 p.m.	726·0	39·0	
	Mt. Jeffryes	2·10 p.m.	1,309·2	30·9	
" 25 ...	Petrol Peak	9·40 a.m.	813·0	31·9	Snow squalls all day.
	Mt. Haswell	12·50 p.m.	1,111·0	30·1	"
	Mt. Jeffryes	2·20 p.m.	1,309·0	30·3	"
" 27 ...	Major Lake	11·0 a.m.	650·0	38·8	
" 28 ...	Mt. Lewis	9·20 a.m.	1,193·0	32·0	Clear all day, except patches of upper cloud about 4·30 p.m.
	O	9·42 a.m.	...	31·3	" "
	Q	11·10 a.m.	...	31·5	" "
" 30 ...	Mt. Hamilton	7·40 a.m.	1,417·0	35·0	Taken in cloud.
" 31 ...	Mt. Hamilton	10·0 a.m.	1,417·0	33·5	"
	Mt. Hamilton	2·25 p.m.	1,417·0	36·0	
	N. of Caroline Cove	5·0 p.m.	892·0	36·5	
Nov. 3 ...	O	9·20 a.m.	...	28·0	
	Q	10·45 a.m.	...	29·9	



Fig. 1.—G. F. Ainsworth, Meteorologist in charge at Macquarie Island during 1912-13.

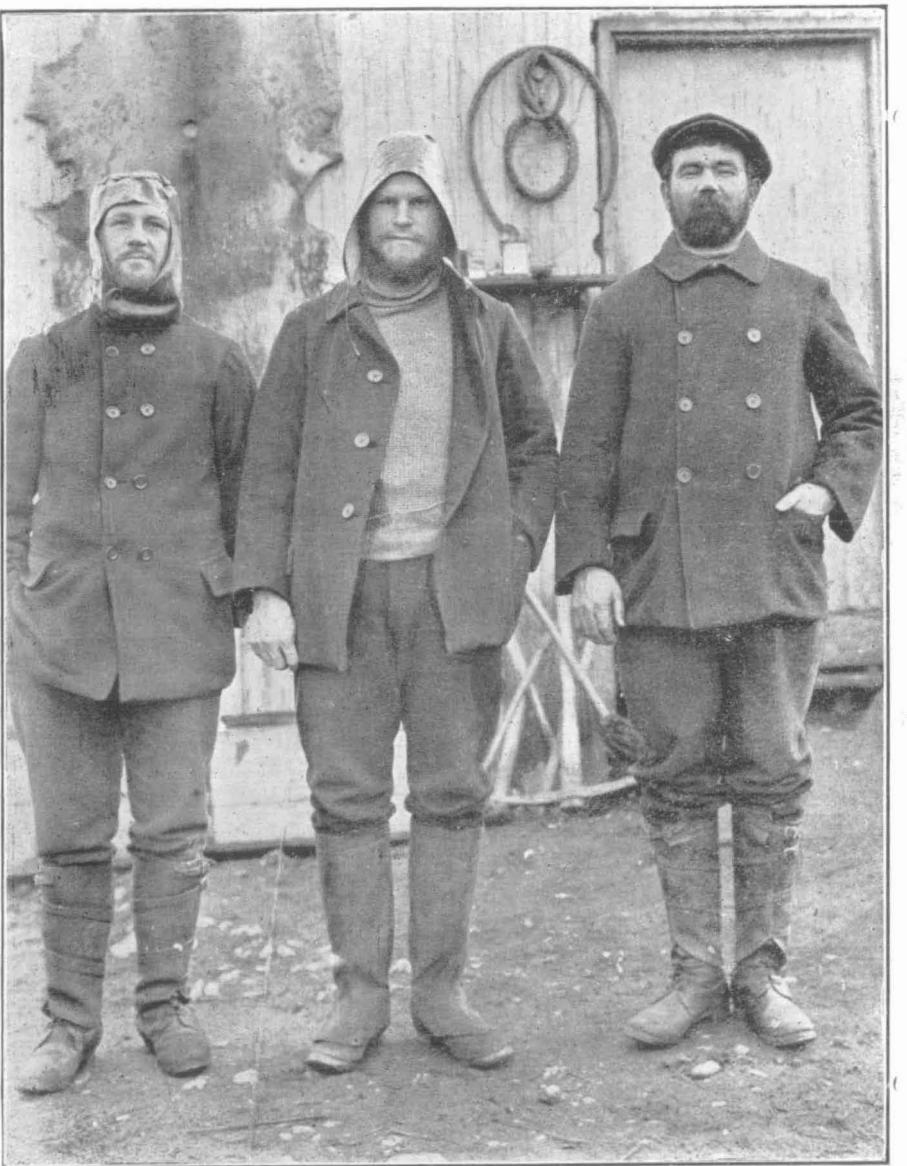


Fig. 2.—The Staff of the Macquarie Island Station for year 1915.  
A. C. Tulloch, Meteorologist in charge, on the left.



Fig. 1.—The Staff of the Macquarie Island Station for year 1914.  
Harold Power, Meteorologist in charge.



Fig. 2.—Condensation Cloud spread over the highlands of Macquarie Island.



Fig. 1.—The Living-hut and Environment, Macquarie Island.

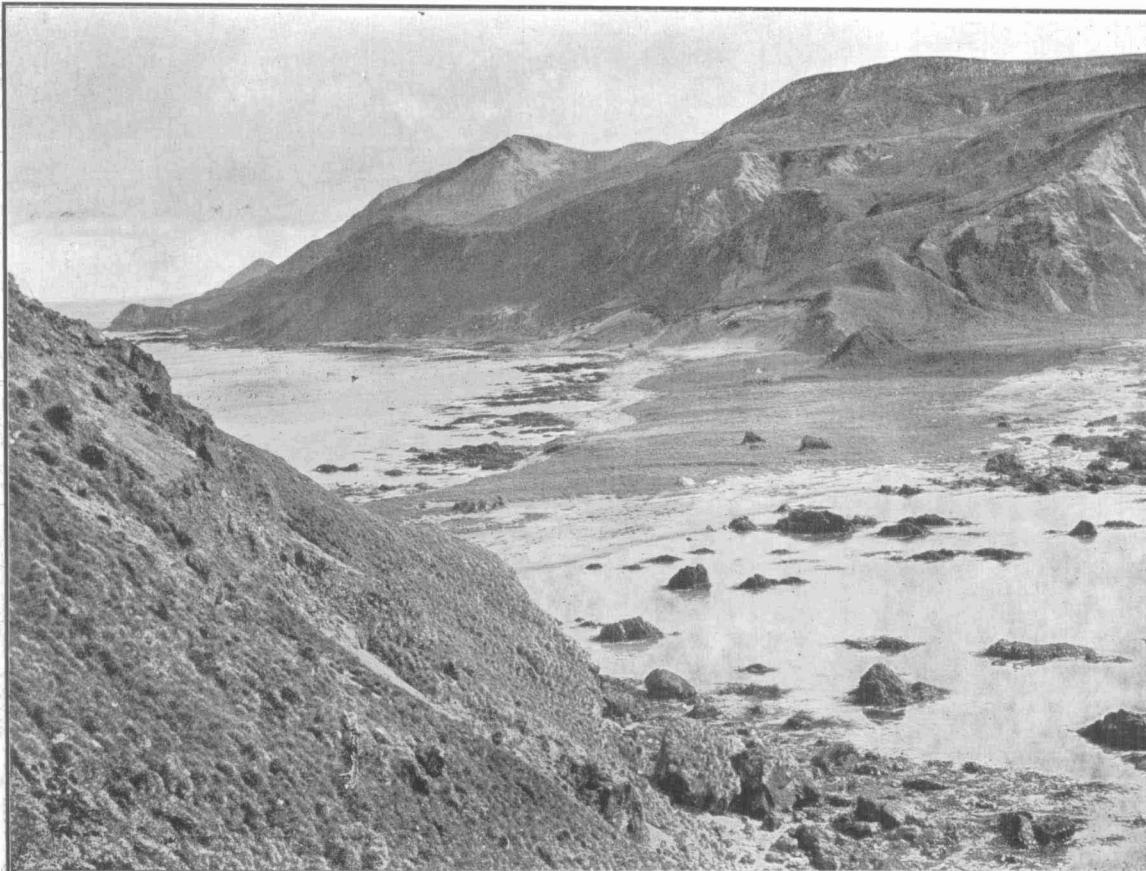


Fig. 2.—The Spit at the North End of Macquarie Island.



Fig. 1.—The Wind-recording Instruments at Macquarie Island.

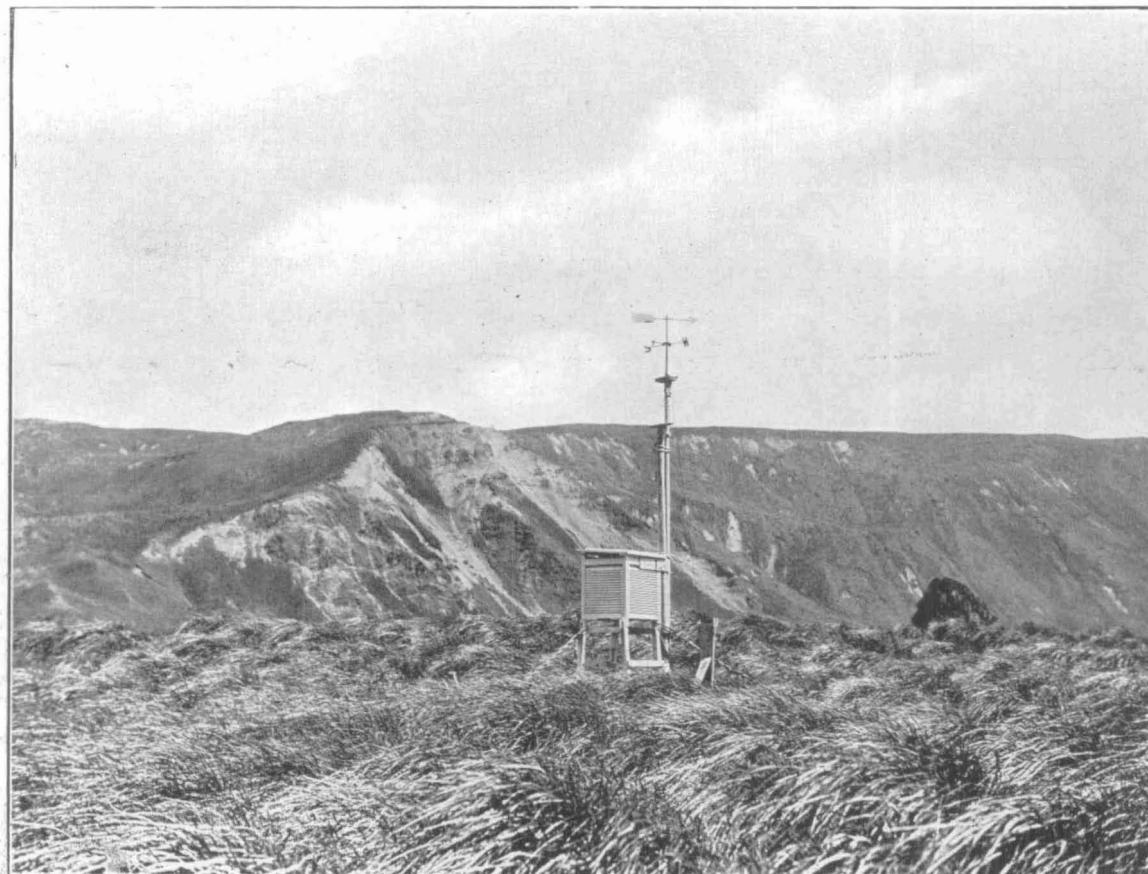


Fig. 2.—The Meteorological Screen at Macquarie Island.