

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of May, 1913. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Leat. 45°.	From Self-registering Instruments, for Twenty-four Hours previously.						Amount of Cloud, 0 to 10.	Direction of Wind.	Rainfall, in Points (100 to 1 Inch).
		Max. Temp. in Shade.	Min. Temp. in Shade.	Mean Temp. in Shade.	Solar Radiation.	Terrestrial Radiation.	Veloc. Wind in Miles.			
1	29-589	58.6	50.6	54.6	97.6	45.0	170	10	S.E.	570
2	29-599	55.2	46.8	51.0	62.0	45.4	860	10	S.	66
3	29-609	48.8	43.6	46.2	51.6	41.6	688	8	S.	11
4	29-602	49.2	42.0	45.6	92.4	38.0	474	10	S.	29
5	29-759	49.8	44.6	47.2	73.6	42.2	512	8	S.	4
6	29-829	51.0	42.4	46.7	98.6	34.0	276	8	N.	40
7	29-759	53.6	43.2	48.4	112.4	41.2	230	8	S.	..
8	29-663	51.0	36.2	43.6	98.8	29.0	394	8	S.	1
9	29-333	55.2	45.8	50.5	99.8	39.6	290	10	N.	37
10	29-250	55.2	39.4	47.3	95.0	31.0	98	7	N.W.	262
11	29-161	52.8	40.0	46.4	105.0	38.8	406	10	S.E.	65
12	29-802	48.8	41.4	45.1	74.0	41.2	674	7	S.	..
13	29-669	53.8	38.2	46.0	109.0	29.0	216	7	S.	1
14	29-759	56.2	35.6	45.9	106.2	28.0	18	0	Calm	..
15	29-549	55.8	44.0	49.9	101.4	41.4	244	1	N.	4
16	29-659	59.6	44.8	52.2	108.2	41.6	308	4	S.	1
17	29-929	53.0	44.6	48.8	101.4	41.0	310	1	S.	..
18	29-692	56.0	48.2	52.1	97.8	46.4	216	6	N.	3
19	29-411	56.8	53.0	54.9	105.8	50.0	422	8	N.W.	59
20	29-074	56.2	50.0	53.1	70.2	46.8	508	5	N.W.	..
21	29-434	54.6	45.6	50.1	104.6	40.6	200	8	N.	1
22	29-889	56.8	34.0	45.4	101.4	28.0	46	7	S.	..
23	30-220	51.0	35.2	43.1	97.0	27.2	154	0	N.	2
24	30-339	56.8	38.0	47.4	101.4	31.0	60	6	N.	..
25	30-339	56.8	47.0	51.9	101.4	42.8	140	5	N.	1
26	30-481	61.2	38.8	50.0	104.4	29.0	10	10	Calm	1
27	30-449	50.2	38.2	44.2	84.2	31.0	0	0	N.	..
28	30-219	58.2	45.0	51.6	101.6	45.6	226	7	N.	12
29	29-831	56.2	52.0	54.1	87.8	51.4	498	7	N.	3
30	29-973	60.0	36.6	48.3	104.8	28.0	184	7	N.	7
31	30-292	55.8	38.0	46.9	100.8	30.2	293	2	S.E.	..
*	29-779	54.6	42.6	48.6	95.1	37.9	294	6.3	..	1180
†	29-965	58.4	47.3	52.8	95.2	39.9	259	..	..	480

\* Means, &c. † Means previous years.

NOTE.—The weather during the month was remarkable for heavy rain, the total fall of 11.8 inches being the record at this station for May, while temperature and barometric pressure were considerably below the averages for previous years. Total bright sunshine, 147 hours 32 minutes, and four sunless days. Frosts were recorded on eleven mornings. Mean earth-temperature at 1 ft. was 48.4°, and 50° at 3 ft. Mean dew-point, 41.3°; mean elastic force of vapour, 0.26 inches; and mean relative humidity, 77 per cent. of saturation.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
12	..	..	3	11	..	..	3	2

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

May, 1913.

Altitude above Sea-level.	Name of Station and Observer.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with Rain (4 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
<b>NORTH ISLAND.</b>						
20	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
	DARGAVILLE ..	58.1	66.2	50.1	487	19
	Dr. H. M. Levinge					
125	AUCKLAND ..	52.3	57.9	46.7	437	22
	T. F. Cheeseman					
..	TE AROHA ..	49.9	59.8	40.1	414	11
	G. F. McGirr					
925	ROTORUA ..	45.6	55.5	35.7	311	10
	J. F. Robieson					
370	WAIHI ..	47.2	57.8	36.7	415	19
	H. B. Devereux					
130	RUAKURA ..	46.8	58.0	35.7	423	17
	C. Cussen					
..	TAURANGA ..	49.4	60.3	38.5	228	11
	C. J. Butcher					
63	NEW PLYMOUTH ..	54.4	60.0	42.7	476	20
	W. D. Fletcher					
250	MOUMAHAKI ..	47.9	55.1	40.7	990	17
	A. S. Huntington					
2080	TAIRAPE ..	41.1	47.0	35.3	501	21
	A. R. Fannin					
..	PALMERSTON NORTH	46.3	56.4	36.5	442	12
	J. E. Vernon					
186	GREYTOWN * ..	44.0	52.4	35.6	951	19
	W. C. Davies					
377	MASTERTON ..	44.5	54.8	34.2	824	17
	Wm. Hood					
..	GISBORNE ..	48.9	57.5	40.3	194	12
	C. H. Ferris					
14	GREENMEADOWS, NA-PIER	49.0	57.2	40.8	87	6
	Very Rev. Dean Smyth					
10	WELLINGTON ..	48.6	54.6	42.6	1180	22
	F. W. Simms					
<b>SOUTH ISLAND.</b>						
34	NELSON ..	48.1	57.7	38.5	159	8
	Rev. J. P. Kempthorne					
1218	HANMER SPA ..	43.2	51.0	35.4	784	13
	Dr. J. C. Duncan					
25	CHRISTCHURCH ..	43.3	51.3	35.3	298	12
	H. F. Skey					
42	LINCOLN ..	45.4	53.0	37.8	315	11
	G. Gray					
130	TIMARU ..	44.4	52.8	36.1	132	11
	Caretaker of Domain					
90	WAIMATE ..	44.7	52.1	37.3	122	10
	G. V. Cochrane					
300	DUNEDIN ..	45.0	51.3	38.8	363	20
	D. Tannock					
350	GORE ..	41.5	49.6	33.4	523	27
	Captain A. A. Scott					
12	HOKITIKA ..	45.0	53.0	37.0	764	17
	F. T. Sandford					
18	INVERCARGILL ..	43.3	49.5	37.1	786	27
	L. Lennie					

SUMMARY FOR MAY.

Atmospheric conditions were very unsettled until the 23rd of May. During this time barometric pressure was continuously below normal, and cold and boisterous weather prevailed generally. The Bay of Plenty and most parts of the Nelson Province experienced somewhat milder conditions, being less exposed to the cold southerly winds. Anticyclonic conditions prevailed towards the close of the month, and the usual accompanying fine weather with cold and frosty nights were experienced.

Stormy weather was experienced in most parts on the 1st and 11th, and over the South Island generally on the 20th and 21st, when the barometer recorded the very low reading of 28.48 inches at the Bluff, which is only one-hundredth above the lowest ever recorded in the Dominion at mean sea-level.

A cyclonic centre existed off East Cape between the 1st and 4th, and a cyclone passed in sub-antarctic latitudes on the 10th, while another passed through Cook Strait on the 11th. These were the chief causes of the unsettled weather prevailing about these dates. The total rainfall during the month, however, was not excessive, except in the southern portion of the North Island and parts of the east coast and southern districts of the South Island.

Meteorological Office, Wellington, 25th June, 1913.

D. C. BATES, Director.