

Government Meteorological Observatory.

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

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 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 4m Miles.			
1	30-279	63.6	53.6	58.6	126.2	49.4	142	6	N.	..
2	30-049	62.6	57.2	59.9	120.0	55.0	430	7	N.W.	1
3	29-759	63.0	58.6	60.8	130.6	56.6	496	8	N.W.	..
4	29-849	66.0	58.8	62.4	117.6	38.6	256	7	N.W.	..
5	29-952	64.4	51.6	58.0	124.0	44.6	258	8	S.	7
6	30-132	61.2	46.6	53.9	111.6	43.6	342	7	S.	46
7	30-163	58.2	45.0	51.6	115.0	41.8	608	8	S.	46
8	30-299	53.6	44.6	49.1	110.2	42.0	690	7	S.E.	18
9	30-439	53.6	47.6	50.6	102.2	45.8	520	6	S.E.	..
10	30-399	57.2	44.0	50.6	114.2	35.0	198	4	S.E.	..
11	30-111	62.0	46.2	54.1	110.6	36.2	180	7	N.	..
12	30-019	61.2	57.0	59.1	117.6	55.4	493	10	N.W.	..
13	29-759	62.8	58.0	60.4	98.0	57.2	471	8	N.W.	94
14	29-799	64.0	46.8	55.4	120.0	45.0	598	8	S.	28
15	30-213	51.0	42.6	46.8	84.6	32.0	260	3	E.	..
16	30-169	59.0	49.8	54.4	109.0	43.0	150	8	N.W.	..
17	30-283	59.6	51.8	55.7	118.0	47.0	368	10	S.	13
18	30-493	58.0	49.2	53.6	98.4	47.6	388	7	S.E.	..
19	30-399	56.0	48.2	52.1	105.0	45.6	312	6	S.E.	..
20	30-459	56.6	47.2	51.9	112.6	44.0	290	10	S.E.	..
21	30-553	60.0	38.9	49.4	110.0	27.0	60	10	S.E.	..
22	30-523	54.6	49.2	51.9	87.4	46.2	168	2	N.E.	..
23	30-360	58.2	45.0	51.6	110.0	34.0	72	9	N.	..
24	30-239	59.2	46.0	52.6	112.8	37.4	158	2	Calm	..
25	30-229	64.8	39.8	52.3	113.0	29.0	54	0	E	..
26	30-129	61.6	46.4	54.0	105.2	36.0	4	10	Calm	..
27	30-099	57.6	50.2	53.9	85.6	42.0	0	0	Calm	1
28	30-002	66.6	46.0	56.3	112.6	35.0	0	0	E	..
29	29-909	68.2	54.8	61.5	114.0	54.0	126	10	N.W.	34
30	29-609	61.8	49.4	55.6	113.2	39.6	60	8	N.W.	8
*	30-156	60.2	49.0	54.6	110.3	42.8	272	6.5	..	296
†	30-044	62.7	51.2	56.8	106.5	43.9	281	402

* Means, &c. † Means previous years.

NOTE.—The weather during the month has been cool and showery, with southerly and south-easterly winds prevailing. The total rainfall was considerably below the mean for April. Total bright sunshine, 148 hours 25 minutes, and three sunless days. On three mornings frosts were recorded. The mean earth-temperature at 1 ft. was 55.5°, and 58.1° at 3 ft. Mean dew-point, 46.3°; mean elastic force of vapour, 0.315 inches; and mean relative humidity, 73 per cent. of saturation.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
3	1	3	7	5	8	3

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

April, 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 (3 Points or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
20	DARGAVILLE .. Dr. H. M. Levinge	62.6	72.0	53.2	90	6
125	AUCKLAND .. T. F. Cheeseman	58.1	65.2	51.0	148	9
..	TE AROHA .. G. F. McGirr	59.2	68.2	50.2	98	5
925	ROTORUA .. J. F. Robieson	53.1	63.7	42.6	87	3
370	WAIHI .. H. B. Devereux	53.8	66.8	40.8	370	6
130	RUAKURA .. C. Cussen	53.4	66.2	40.6	98	6
..	TAURANGA .. C. J. Butcher	57.5	69.6	45.6	115	4
63	NEW PLYMOUTH .. W. D. Fletcher	58.9	70.1	47.7	132	9
250	MOUMAHAKI .. A. S. Huntington	52.1	60.4	43.9	434	7
2080	TAIHAPE .. A. R. Fannin	48.4	55.3	41.4	176	9
..	PALMERSTON NORTH .. J. E. Vernon	53.5	60.8	46.2	156	5
186	GREYTOWN * .. W. C. Davies	51.7	60.3	43.1	273	9
377	MASTERTON .. Wm. Hood	51.6	62.3	41.1	235	9
..	GISBORNE .. C. H. Ferris	56.2	65.1	47.3	679	16
14	GREENMEADOWS, NA-PIER .. Very Rev. Dean Smyth	56.6	64.3	48.9	244	7
10	WELLINGTON .. F. W. Simms	54.6	60.2	49.0	296	11
Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. Rev. J. P. Kempthorne	54.9	65.2	44.7	160	3
1218	HANMER SPA .. Dr. J. C. Duncan	48.8	60.1	37.6	233	8
25	CHRISTCHURCH .. H. F. Skey	50.5	59.6	41.5	113	8
42	LINCOLN .. G. Gray	51.8	62.3	41.3	156	7
130	TIMARU .. Caretaker of Domain	50.3	59.6	41.0	222	9
90	WAIMATE .. G. V. Cochrane	48.0	55.4	40.7	331	9
300	DUNEDIN .. D. Tannock	49.4	56.3	42.5	290	10
350	GORE .. Captain A. A. Scott	47.5	58.2	36.8	335	14
12	HOKITIKA .. F. T. Sandford	52.2	59.6	44.8	429	15
18	INVERCARGILL .. L. Lennie	48.3	56.3	40.4	509	18

SUMMARY FOR APRIL.

As a general rule there was a preponderance of anticyclonic conditions with fair weather, but three periods of unsettled weather occurred, the first between the 2nd and 8th, during the passage of an Antarctic depression in the south, the second between the 12th and 15th, on account of a similar type of depression but of far greater intensity, and the third from the 26th to the end of the month, when two shallow depressions were in evidence. Of these, one apparently passed eastward of East Cape on the 26th, and the other was a "Westerly low" which overspread the Dominion on the 29th. However, none of the above-mentioned disturbances were accountable for particularly heavy rains. The only districts with a total fall in excess of the average were Gisborne, South Canterbury, and Southland. All other parts of the Dominion recorded below the normal.

Meteorological Office, Wellington, 28th May, 1913.

D. C. BATES, Director.