

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of September, 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 in Miles.			
1	29-360	53.8	50.0	51.9	117.0	47.2	494	10	N.	7
2	29-613	55.0	43.2	49.1	107.6	42.2	348	4	S.	..
3	29-629	56.0	48.2	52.1	111.8	44.0	162	8	N.	..
4	29-899	59.2	40.6	49.9	104.2	32.0	212	2	N.	2
5	29-839	58.0	52.2	55.1	95.6	52.2	475	8	N.	5
6	29-753	59.6	54.2	56.9	62.8	52.0	457	10	N.	61
7	29-653	56.8	49.4	53.1	53.8	48.2	326	10	S.	1
8	29-993	55.6	41.2	48.4	93.6	33.6	96	2	N.	..
9	29-949	58.8	52.0	55.4	100.2	49.6	360	8	N.W.	..
10	29-889	58.6	54.0	56.3	100.6	52.2	398	7	N.W.	31
11	29-549	60.2	50.4	55.3	55.6	48.6	586	10	N.W.	37
12	30-099	48.8	41.6	45.2	78.6	39.6	260	7	S.	..
13	30-202	53.2	48.0	50.6	117.6	45.4	216	2	N.W.	..
14	30-519	59.2	43.4	51.3	112.6	34.6	68	8	Calm	..
15	30-590	60.2	47.4	53.8	111.6	42.6	38	8	N.W.	..
16	30-532	59.4	52.6	56.0	115.8	49.6	160	8	N.	..
17	30-529	58.6	52.8	55.7	120.0	51.6	232	8	N.	..
18	30-473	60.0	53.8	56.9	122.8	53.2	504	10	N.	..
19	30-529	57.6	53.8	55.7	86.6	51.2	304	8	N.	..
20	30-432	60.0	50.6	55.3	119.6	48.2	100	7	N.	1
21	30-279	58.8	53.6	56.2	123.8	51.6	328	8	N.	..
22	30-229	59.0	54.4	56.7	124.6	52.4	446	8	N.	..
23	30-289	59.0	53.2	56.1	118.0	50.2	268	7	N.	..
24	30-451	65.6	50.2	57.9	124.6	49.2	183	10	S.E.	..
25	30-371	56.2	44.0	50.1	116.0	31.0	190	2	E.	..
26	30-299	68.6	42.6	55.6	120.4	30.0	17	4	Calm	..
27	30-229	63.8	50.2	57.0	126.6	40.8	80	7	N.	..
28	30-169	62.6	53.8	58.2	122.6	51.2	266	8	N.	10
29	30-069	60.6	52.4	56.5	130.0	50.2	114	8	N.	..
30	29-949	59.6	51.4	55.5	122.6	46.0	102	8	N.	14
*	30 112	58.7	49.5	54.1	107.2	45.6	260	7.2	..	169
†	2	57.3	45.4	51.3	104.4	38.4	244	..	..	424

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
18	..	1	..	4	..	..	5	2

NOTE.—From the 1st to the 11th showery and changeable weather was experienced, while the latter portion of the month was bright and sunny. Northerly was the prevailing wind. Temperatures were above the average, and high barometric pressure ruled from the 12th to the close of the month. Total bright sunshine, 176 hours 40 minutes, and 2 sunless days. Three frosts were recorded on the grass. Mean earth-temperature at 1 ft. was 53.1°, and 53.0° at 3 ft. Mean dew-point, 46.0°; mean elastic force of vapour, 0.311 inches; mean relative humidity, 75 per cent of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

September, 1913.

Ft.	Name of Station and Observer	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with Rain (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
20	DARGAVILLE .. Dr. H. M. Levinge	56.8	62.6	51.1	155	12
125	AUCKLAND .. T. F. Cheeseman	54.6	60.2	49.1	176	14
..	TE AROHA .. G. F. McGirr	53.3	64.4	42.2	224	8
925	ROTORUA .. J. F. Robieson	50.2	58.9	41.5	180	7
370	WAIHI .. H. B. Devereux	52.2	61.4	43.1	202	17
..	TAURANGA .. C. J. Butcher	53.3	63.5	43.1	121	10
63	NEW PLYMOUTH .. W. D. Fletcher	58.4	68.7	48.2	324	11
250	MOUMAHAKI .. A. S. Huntington	52.8	59.5	46.1	340	9
2080	TAIRAPE .. A. R. Fannin	47.4	54.0	40.8	302	10
..	PALMERSTON NORTH .. J. E. Vernon	51.5	59.6	43.5	217	10
186	GREYTOWN * .. W. C. Davies	53.1	63.3	42.9	153	7
377	MASTERTON .. Wm. Hood	52.2	63.4	41.0	94	6
..	GISBORNE .. C. H. Ferris	51.9	63.3	40.5	101	9
14	GREENMEADOWS, NA-PIER .. Very Rev. Dean Smyth	54.5	63.3	45.7	53	4
10	WELLINGTON .. F. W. Simms	54.1	58.7	49.5	169	10
SOUTH ISLAND.						
34	NELSON .. Rev. J. P. Kempthorne	53.7	61.8	45.6	232	11
1218	HANMER SPA .. Dr. J. C. Duncan	50.5	59.7	41.3	230	7
25	CHRISTCHURCH .. H. F. Skey	51.2	59.9	42.5	48	7
42	LINCOLN .. G. Gray	53.2	61.4	45.0	59	7
130	TIMARU .. Caretaker of Domain	51.1	59.8	42.5	50	5
90	WAIMATE .. G. V. Cochrane	49.8	58.0	41.7	62	9
300	DUNEDIN .. D. Tannock	50.5	57.9	43.2	255	13
350	GORE .. Captain A. A. Scott	49.6	59.8	39.5	406	17
12	HOKITIKA .. F. T. Sandford	51.1	56.8	45.4	1149	28
18	INVERCARGILL .. L. Lennie	48.8	57.4	40.2	391	18

SUMMARY FOR SEPTEMBER.

Frequent westerly depressions passed in the south between the 1st and 13th of the month, on account of which very unsettled weather prevailed. Most of the rainfall occurred during this period, but except in the western districts of the South Island, and especially in the high country, no exceptional falls were recorded. On the 10th and 11th very boisterous conditions were experienced.

Between the 11th and 13th barometric pressure increased, and on the 14th extremely high pressure ruled over the North Island, a condition of affairs which persisted until the close of the month.

The passage of three slight disturbances to the southward was responsible for changeable and squally conditions in parts about the 17th, 21st, and 28th, but generally during the latter half of the month fair weather was the prevailing feature, although a considerable amount of haze and cloudiness was experienced.

The west coast and portions of the south-west districts of the South Island had an excessive rainfall, but in all other parts of the Dominion the total for the month was below normal. In the Hawke's Bay and Gisborne districts this deficiency was greatest, most stations here recording a little over half an inch, equal to only one-fifth of the average.

Meteorological Office, Wellington, 29th October, 1913.

D. C. BATES, Director.