

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of October, 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	29.899	60.8	51.2	56.0	127.6	48.0	150	10	S.	3
2	29.769	62.6	47.2	54.9	121.8	39.2	118	7	N.	1
3	29.919	60.6	47.8	54.2	119.2	38.6	168	10	S.	1
4	30.089	53.6	35.4	44.5	107.8	34.0	148	5	N.	..
5	30.169	57.6	50.0	53.8	114.6	47.2	202	10	N.	..
6	30.199	57.6	52.8	55.2	102.6	52.0	184	8	N.	..
7	30.029	57.4	52.2	54.8	128.0	50.0	330	5	N.W.	1
8	29.751	58.6	52.6	55.6	124.0	49.2	238	8	N.W.	..
9	29.559	59.2	52.0	55.6	125.2	48.0	326	8	S.	59
10	29.869	61.6	42.0	51.8	126.0	40.0	177	10	S.	38
11	30.040	50.2	45.6	47.9	122.0	44.2	629	10	S.	1
12	30.171	55.2	49.6	52.4	99.2	49.2	492	8	S.	1
13	29.999	58.2	44.6	51.4	127.2	38.2	84	2	Calm	1
14	29.879	71.0	50.8	60.9	122.8	42.6	28	10	N.	18
15	29.731	60.6	52.6	56.6	126.6	49.2	94	8	N.	8
16	29.719	58.8	53.6	56.2	123.0	51.0	348	10	N.	26
17	29.732	59.6	55.4	57.5	74.8	55.2	355	8	N.	28
18	29.499	61.6	56.0	58.8	114.2	55.0	307	10	S.	176
19	29.789	55.6	45.2	50.4	94.2	43.2	593	10	S.	1
20	29.979	54.6	46.0	50.3	114.0	43.8	263	10	S.	1
21	29.961	58.0	46.6	52.3	119.6	41.0	102	8	N.	1
22	29.919	61.8	52.2	57.0	126.8	49.4	72	10	N.	70
23	29.849	65.2	51.4	58.3	125.6	50.0	150	10	S.	32
24	30.109	61.0	49.6	55.3	110.4	48.2	190	2	Calm	..
25	30.050	56.0	54.2	55.1	122.6	52.0	320	10	N.	2
26	29.923	58.0	52.2	55.1	120.0	51.0	446	10	N.W.	..
27	30.000	60.0	50.8	55.4	123.6	44.6	206	4	N.W.	..
28	30.002	57.8	55.6	56.7	130.0	53.0	380	10	N.	..
29	29.922	59.0	56.2	57.6	116.2	55.0	472	10	N.W.	2
30	30.089	61.0	53.2	57.1	94.0	52.4	228	10	N.W.	..
31	29.919	66.2	58.0	62.1	118.0	56.0	198	8	N.	15
*	29.920	59.3	50.4	54.8	116.8	47.4	258	8.3	..	486
†	29.884	60.3	48.0	54.1	113.4	41.2	283	..	..	421

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.			
13		..		..		10		..		6		2

NOTE.—A seasonable month, with temperatures and rainfall about normal. Cloudy skies were frequent, and moderate northerly winds prevailed. Total bright sunshine, 140 hours, and 5 sunless days. Earth temperatures during the month rose at 1 ft. from 53.2° to 60.0°, and at 3 ft. from 55.0° to 58.6°, while the mean at the former was 56.1° and 56.0° at the latter depth. Thunder occurred on the 9th. Mean dew-point, 49.0°; mean elastic force of vapour, 0.348 in.; and mean relative humidity, 81 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

October, 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.		
20	NORTH ISLAND. DARGAVILLE .. Dr. H. M. Levinge	Deg. 61.4	Deg. 66.6	Deg. 56.3	Points. 289	Dys. 15
125	AUCKLAND .. T. F. Cheeseman	.. 57.5	63.0	52.0	369	15
..	TR AROHA .. G. F. McGirr	.. 58.2	70.9	45.5	290	13
925	ROTORUA .. J. F. Robieson	.. 55.0	64.9	45.1	385	11
370	WAIHI .. H. B. Devereux	.. 57.0	66.0	48.1	373	..
..	TAURANGA .. C. J. Butcher	.. 57.2	67.6	46.9	242	12
63	NEW PLYMOUTH .. W. D. Fletcher	.. 59.2	69.4	48.9	590	21
250	MOUMAHARI .. A. S. Huntington	.. 54.4	61.6	47.2	456	11
2080	TAIHAPE .. A. R. Fannin	.. 49.8	56.9	42.7	712	19
..	PALMERSTON NORTH J. E. Vernon	.. 54.9	62.6	47.2	481	17
186	GREYTOWN * .. W. C. Davies	.. 55.2	64.9	45.5	692	10
377	MASTERTON .. Wm. Hood	.. 54.0	64.0	43.1	599	12
..	GISBORNE .. C. H. Ferris	.. 57.2	67.5	46.9	233	14
14	GREENMEADOWS, NA-PIER Very Rev. Dean Smyth	.. 58.4	67.2	49.6	404	8
10	WELLINGTON .. F. W. Simms	.. 54.8	59.3	50.4	486	22
34	SOUTH ISLAND. NELSON .. Rev. J. P. Kempthorne	Deg. 57.2	Deg. 66.9	Deg. 47.5	Points. 393	Dys. 14
1218	HANMER SPA .. Dr. J. C. Duncan	.. 52.4	63.1	41.8	373	15
25	CHRISTCHURCH .. H. F. Skey	.. 53.4	63.1	43.7	162	12
42	LINCOLN .. G. Gray	.. 54.6	64.7	44.5	157	11
349	RAKAIA .. G. S. Hardy	.. 54.8	65.2	44.5	55	7
130	TIMARU .. Caretaker of Domain	.. 52.7	62.9	42.5	94	10
90	WAIMATE .. G. V. Cochrane	.. 51.0	60.3	41.8	163	11
300	DUNEDIN .. D. Tannock	.. 52.1	60.4	43.8	361	16
350	GORE .. Captain A. A. Scott	.. 50.8	59.9	41.8	566	16
12	HOKITIKA .. F. T. Sandford	.. 53.0	59.1	46.9	962	19
18	INVERCARGILL .. L. Lennie	.. 50.7	59.0	42.5	616	19

SUMMARY FOR OCTOBER.

The month was one of seasonable weather, for although dull skies were frequent, both precipitation and temperature were about the normal, the greatest positive difference in the former was accounted for in the southern extreme of the South Island, this owing to the heavy rains on the 29th and 30th.

None of the atmospheric disturbances were of remarkable intensity such as to cause storms of a severe character.

Westerly areas of low pressure passed in the south on the 3rd, 8th, and 16th, and immediately following these dates cold southerly winds were experienced. The strongest southerly, however, in the east coast districts occurred on the night of the 18th in connection with a depression centred off East Cape, and between the 15th and the 19th of the month conditions were generally very unsettled.

Meteorological Office, Wellington, 26th November, 1913.

D. C. BATES, Director.