

Government Meteorological Observatory.

**M**ETEOROLOGICAL Observations, Wellington, for the Month of October, 1914. 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.					Terrestrial Radiation.	Veloc. Wind in Miles.	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.	Mean Temp. in Shade.					
1	30-180	58-0	49-6	53-8	125-6	41-0	312	6	E.	..	
2	30-439	60-0	48-2	54-1	116-8	46-6	348	8	S.	..	
3	30-649	57-8	40-2	49-0	121-6	29-0	202	8	S.	..	
4	30-593	59-6	38-8	49-2	122-0	26-4	146	4	N.	..	
5	30-239	59-8	52-6	56-2	117-6	48-6	352	7	N.	..	
6	29-893	61-0	54-2	57-6	121-8	51-0	543	5	N.W.	..	
7	29-829	62-2	54-6	58-4	124-6	51-4	479	2	N.W.	..	
8	30-280	63-2	52-4	57-8	120-0	47-4	321	0	N.W.	..	
9	30-359	67-0	53-2	60-1	121-6	48-4	207	10	N.	2	
10	29-899	57-2	52-6	54-9	122-8	49-4	528	10	N.W.	2	
11	29-952	58-2	53-4	55-8	107-6	50-4	538	10	N.	..	
12	29-901	56-8	50-4	53-6	106-8	47-2	206	3	N.W.	..	
13	30-019	61-4	49-8	55-6	124-6	42-0	376	3	Calm	..	
14	30-172	69-0	49-2	59-1	127-8	44-4	160	3	N.	4	
15	30-059	59-6	51-4	55-5	123-6	49-0	354	10	N.	2	
16	30-169	56-0	49-4	52-7	120-4	48-6	361	10	S.E.	..	
17	30-029	62-6	51-4	57-0	120-0	47-2	180	8	N.	25	
18	30-049	61-6	50-2	55-9	126-4	49-4	237	10	S.	12	
19	30-459	56-0	45-6	50-8	107-8	43-4	436	4	S.	..	
20	30-421	62-0	44-6	53-3	121-6	36-0	140	3	N.	..	
21	30-099	63-2	52-4	57-8	118-8	49-4	294	8	N.	..	
22	29-819	59-4	52-2	55-8	123-6	49-2	390	4	N.	..	
23	29-862	61-6	53-4	57-5	130-4	48-4	342	4	N.	..	
24	30-063	68-0	51-2	59-6	138-0	47-4	182	10	N.	..	
25	30-050	62-2	50-0	56-1	122-6	45-2	274	4	S.	..	
26	30-019	69-0	53-2	61-1	135-2	50-4	225	10	S.	..	
27	29-979	66-8	52-0	59-4	132-6	46-2	210	10	S.	..	
28	29-639	64-0	53-6	58-8	122-8	43-4	299	3	N.	65	
29	30-019	62-0	40-6	51-3	123-0	37-4	410	3	S.	..	
30	29-672	59-0	51-2	55-1	117-6	48-2	381	10	N.W.	42	
31	29-983	56-2	44-0	50-1	109-8	39-4	380	3	Calm	..	
*	30-090	61-3	49-9	55-6	122-1	45-2	316	6-2	..	154	
†	29-884	60-3	48-0	54-1	113-4	41-1	283	..	..	421	

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
13	..	1	1	8	..	..	6	2

NOTE.—The weather during the month has been sunny and dry, with moderate northerly winds prevailing. Total bright sunshine 210 hours, and three sunless days. Frosts occurred on two mornings. Hail fell on the 28th. Mean earth temperature at 1 ft. was 56-8°, and 56-6° at 3 ft.; mean dew-point, 46-3°; mean elastic force of vapour, 0-315 in.; and mean relative humidity, 71 per cent. of saturation.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM THE CHIEF STATIONS.  
October, 1914.

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.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
20	RUAWAI .. Dr. H. M. Levinge	56-7	65-2	48-2	165	9
125	AUCKLAND .. T. F. Cheeseman	55-6	62-0	49-3	115	11
..	TE AROHA .. G. F. McGirr	56-9	66-9	47-0	97	4
925	ROTORUA .. L. J. Bayfield	53-5	64-5	42-6	136	5
370	WAIHI .. H. B. Devereaux	54-9	66-1	43-9	115	7
..	TAURANGA .. C. J. Butcher	55-4	66-8	44-1	111	5
63	NEW PLYMOUTH .. W. D. Fletcher	..	..	..	246	10
250	MOUMAHAKI .. A. S. Huntington	52-2	59-9	44-6	299	9
2080	TAIHAPE .. A. R. Fannin	49-3	58-2	40-5	113	8
..	PALMERSTON NORTH .. J. E. Vernon	52-4	62-6	42-2	198	10
186	GREYTOWN .. W. C. Davies	54-4	65-7	43-1	69	4
377	MASTERTON .. Wm. Hood	53-3	66-8	39-9	60	6
..	GISBORNE .. C. H. Ferris	56-1	67-9	44-3	60	5
14	GREENMEADOWS, NA-PIER Very Rev. Dean Smyth	57-9	68-6	47-2	21	2
10	WELLINGTON .. F. W. Simms	55-6	61-3	49-9	154	8
Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. Rev. J. P. Kempthorne	54-8	64-6	45-0	56	6
1218	HANMER SPA .. Dr. J. C. Duncan	52-5	65-3	39-7	81	4
25	CHRISTCHURCH .. H. F. Skey	53-4	65-2	41-6	102	5
42	LINCOLN .. G. Gray	55-3	67-7	43-0	137	8
130	TIMARU .. Caretaker of Domain	54-4	67-0	41-8	79	7
90	WAIMATE .. W. M. Hamilton	53-7	64-8	42-6	115	6
300	DUNEDIN .. D. Tannock	52-6	62-4	42-8	181	9
245	GORE .. H. Dolamore	49-3	59-2	39-5	315	11
12	HOKITIKA .. F. T. Sandford	50-4	57-0	43-9	659	21
18	INVERCARGILL .. L. Lennie	49-5	57-9	41-2	474	18

SUMMARY FOR THE MONTH OF OCTOBER, 1914.

During the month disturbances passed frequently in the south, but their centres on most occasions were south of the Dominion and they were therefore not responsible for much rainfall except in Otago. Consequently this district was the only one having a total fall above the average.

Over the remainder of the South Island the deficiency in rainfall averaged 42 per cent., while in the north it was 67 per cent. below, ranging from 15 per cent. to as much as 91 per cent.

In the southern districts of the South Island strong westerly winds and showery conditions prevailed, but elsewhere, except for a few brief periods, the weather as a whole was fair although often cloudy.

The stormiest days generally were the 10th, 18th, and 28th. On the 10th a heavy westerly gale was experienced, especially in and southwards of Cook Strait. In Canterbury this was preceded by some hot weather, the high temperature of 90° being reported by one observer at Waimate, 87-8° at Christchurch, 87-2° at Lincoln, and 87-0° at Hanmer.

On the 28th a cold southerly prevailed, accompanied by snow on the higher levels and hail and sleet in many parts. A frosty night followed and a general improvement took place on the 29th.

D. C. BATES, Director.