

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of October, 1916. 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.	Direction of Wind.			
1	30.041	56.2	46.9	51.5	121.0	43.9	315	8	S.	3	
2	30.238	55.9	45.2	50.8	109.5	37.0	323	3	S.E.	..	
3	30.275	57.8	36.9	47.3	116.1	42.0	86	3	Calm	..	
4	30.467	60.0	37.0	48.5	126.0	42.7	75	4	S.	..	
5	30.519	60.1	43.0	51.5	121.0	55.1	196	9	S.E.	..	
6	30.482	60.0	46.0	53.0	124.1	37.3	244	3	E.	2	
7	30.354	62.3	47.9	55.1	125.2	37.2	76	10	Calm	5	
8	30.274	61.0	52.5	56.7	107.0	49.0	56	8	N.	8	
9	30.221	68.0	51.8	59.9	137.3	49.0	110	10	Calm	3	
10	29.834	62.0	51.4	56.7	124.7	42.0	78	10	N.	60	
11	29.894	61.5	50.0	55.7	88.0	46.9	259	10	S.	11	
12	29.861	53.4	48.5	50.9	73.0	45.9	282	10	S.	..	
13	29.984	57.5	46.4	51.9	109.5	38.5	263	1	S.	..	
14	30.040	59.4	44.2	51.8	120.8	33.0	218	10	N.	..	
15	29.955	60.0	54.5	57.2	122.0	53.0	430	6	N.	17	
16	29.707	58.0	54.0	56.0	133.5	51.0	474	8	N.W.	..	
17	29.950	62.4	46.8	54.6	129.0	35.9	88	3	Calm	..	
18	29.620	66.0	54.0	60.0	134.0	52.0	498	10	N.W.	4	
19	29.923	59.5	49.7	54.6	110.0	43.3	419	0	S.W.	..	
20	30.043	62.2	39.6	50.9	121.0	27.2	233	10	NNW	184	
21	29.169	56.5	49.3	52.9	100.4	47.8	123	10	S.	164	
22	29.826	54.0	47.0	50.5	111.0	44.0	394	1	S.	..	
23	30.148	57.2	40.8	49.0	120.8	28.2	308	5	N.	..	
24	30.018	59.0	53.8	56.4	129.1	51.5	562	10	NNW	8	
25	29.611	57.9	55.4	56.6	115.8	52.8	592	10	NNW	32	
26	29.724	58.0	51.0	54.5	102.6	49.8	284	10	S.	Trace	
27	29.783	58.8	43.4	51.1	128.3	31.8	57	4	NNW	..	
28	29.748	62.5	52.6	57.5	129.8	50.0	360	9	NNW	2	
29	29.890	59.0	52.0	55.5	118.5	44.0	396	9	S.E.	1	
30	29.784	60.3	46.5	53.4	112.8	37.8	122	7	Calm	6	
31	29.900	61.0	43.0	52.0	126.9	40.0	472	6	S.	13	
*	29.977	59.6	47.8	53.7	117.7	43.2	271	7.0	..	523	
†	29.884	60.3	48.0	54.1	113.7	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.
10	..	1	3	9	1	..	2	5

NOTE.—The weather during the month has been wet and changeable, with rainfall 24 per cent. above the mean of previous years. Total bright sunshine, 139 hours 14 minutes; and six sunless days. Frost was recorded on the grass on three mornings. Mean earth-temperature at 1 ft. was 54.9°, and 55.1° at 3 ft. Mean dew-point, 47.3°; mean elastic force of vapour, 0.327 in.; and mean relative humidity, 79 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

October, 1916.

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.		
NORTH ISLAND.						
125	AUCKLAND .. F. A. F. Burnett	Deg. 58.0	Deg. 63.2	Deg. 52.8	Points. 600	Dys. 21
46	TE AROHA .. G. F. McGirr	.. 56.1	.. 66.3	.. 45.9	.. 357	.. 21
925	ROTORUA .. S. R. Edwards	.. 55.0	.. 62.6	.. 47.5	.. 688	.. 23
340	WAIHI .. P. A. Clifford	.. 56.9	.. 64.4	.. 49.4	.. 2155	.. 25
..	TAURANGA .. C. J. Butcher	.. 56.0	.. 64.1	.. 48.0	.. 1405	.. 24
160	NEW PLYMOUTH .. W. W. Smith	.. 57.7	.. 64.6	.. 50.9	.. 612	.. 16
250	MOUMAHAKI .. T. W. Lonsdale	.. ..	.. ..	.. ..	.. 458	.. 19
2080	TAIHAPE .. A. R. Fennin	.. 50.1	.. 57.2	.. 43.1	.. 351	.. 18
100	PALMERSTON NORTH .. J. E. Vernon	.. 55.3	.. 62.8	.. 47.8	.. 169	.. 12
186	GREYTOWN .. W. C. Davies	.. 53.6	.. 62.6	.. 44.6	.. 519	.. 13
377	MASTERTON .. Wm. Hood	.. 54.1	.. 63.9	.. 44.4	.. 385	.. 14
70	GREENMEADOWS, NA-PIER W. B. Buckley	.. 58.2	.. 65.8	.. 50.6	.. 295	.. 10
10	WELLINGTON .. A. Stretton	.. 53.7	.. 59.6	.. 47.8	.. 523	.. 17
SOUTH ISLAND.						
34	NELSON .. J. R. Dart	.. 55.8	.. 64.0	.. 47.7	.. 333	.. 15
1220	HANMER SPA .. J. W. McKinna	.. ..	.. ..	.. ..	.. 146	.. 6
25	CHRISTCHURCH .. H. F. Skey	.. 52.4	.. 60.6	.. 44.2	.. 84	.. 9
42	LINCOLN .. L. J. Wild	.. 53.3	.. 62.4	.. 44.2	.. 64	.. 8
..	RAKATA .. Miss A. Hardy	.. 51.9	.. 61.6	.. 42.2	.. 76	.. 8
130	TIMARU .. Caretaker of Domain	.. 52.4	.. 61.6	.. 43.1	.. 64	.. 12
200	WAIMATE .. F. Akhurst	.. 50.3	.. 59.2	.. 41.5	.. 85	.. 12
300	DUNEDIN .. D. Tannock	.. 51.2	.. 59.1	.. 43.4	.. 143	.. 10
245	GORE .. H. Dolamore	.. 49.9	.. 60.8	.. 39.0	.. 231	.. 15
12	HOKITIKA .. F. T. Sandford	.. 53.3	.. 60.5	.. 46.1	.. 1034	.. 16
12	INVERCARGILL .. L. Lennie	.. 50.3	.. 59.7	.. 40.9	.. 223	.. 17

SUMMARY FOR THE MONTH OF OCTOBER, 1916.

Very changeable weather characterized the month of October. Over the North Island and in the northernmost districts of the South the total rainfall was everywhere above the average, but nearly all parts of the South recorded a deficiency.

Showers were frequent during the month, but about the 10th and the 21st some heavy downpours occurred in and northward of Cook Strait. About the former date a disturbance passed in the south, and this was followed by one in the north which ruled until the 12th.

The most notable atmospheric depression was a cyclone of sub-tropical origin, the centre of which apparently passed down the west coast of the North Island and through Cook Strait on the 21st.

D. C. BATES, Director.