

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of October, 1918. 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	29-111	59.8	53.2	56.5	116.0	50.0	321	8	N.W.	43	
2	29-936	62.3	52.0	57.1	130.0	49.7	476	3	N.W.	..	
3	30-244	60.1	53.2	56.6	125.0	51.5	367	6	N.	..	
4	30-087	63.0	52.2	57.6	128.0	42.0	190	10	NNW	147	
5	29-894	61.8	52.4	57.1	112.0	48.9	398	3	N.	Trace	
6	30-200	61.4	46.4	53.7	122.0	34.2	180	10	S.	..	
7	30-284	58.4	43.0	50.7	128.0	31.9	138	4	Calm	..	
8	30-187	66.0	45.8	55.9	141.0	33.6	71	7	N.E.	..	
9	30-051	69.6	54.7	62.1	138.0	47.2	54	9	N.E.	32	
10	30-285	63.9	51.5	57.7	133.0	50.5	266	10	S.	2	
11	30-468	57.3	48.0	52.6	118.0	42.8	440	1	ESE	..	
12	30-278	59.5	38.2	48.8	122.0	26.8	105	0	N.	..	
13	30-052	59.9	53.3	56.6	124.0	49.9	337	8	NNW	..	
14	29-792	58.8	53.6	56.2	131.0	50.4	375	10	N.W.	15	
15	29-252	63.5	56.2	59.8	128.0	55.5	356	7	N.W.	10	
16	29-353	60.6	50.5	55.5	126.0	46.2	433	10	N.W.	..	
17	29-754	63.6	52.2	57.9	123.0	45.2	260	0	NNW	..	
18	29-525	62.2	55.3	58.7	126.0	51.1	566	10	N.W.	18	
19	29-475	58.0	47.8	52.9	108.0	33.8	292	9	W.	27	
20	29-802	57.8	41.9	49.8	125.0	32.8	240	5	S.	..	
21	29-696	58.5	47.6	53.0	122.0	39.8	246	6	NNW	39	
22	29-486	57.4	53.0	55.2	126.0	50.9	584	1	N.W.	Trace	
23	29-936	58.7	47.6	53.1	126.0	40.9	349	8	S.	20	
24	29-745	54.0	43.8	48.9	108.0	41.3	643	10	S.E.	69	
25	29-556	48.2	42.2	45.2	86.0	40.9	549	10	S.	Trace	
26	29-452	58.4	46.2	52.3	130.0	45.1	289	4	N.W.	2	
27	29-574	63.0	53.9	58.4	127.0	49.9	386	10	NNW	31	
28	29-695	58.7	49.2	53.9	119.0	45.7	100	3	N.W.	67	
29	29-641	60.7	48.0	54.3	125.0	46.8	422	10	N.	100	
30	29-401	62.5	52.0	57.2	130.0	47.6	439	4	N.W.	20	
31	29-713	62.7	45.8	54.2	137.0	46.0	188	10	S.	6	
*	29-804	60.3	49.4	54.8	123.9	44.3	325	6.6	..	648	
†	29-884	60.3	48.0	54.2	113.7	41.1	283	..	..	420	

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
9	2	1	1	6	..	1	10	1

NOTE.—A wet month, with strong N. and N.W. winds prevailing, and precipitation 54 per cent. above the mean of previous years. Total bright sunshine, 160 hours 11 minutes, and four sunless days. Frost was recorded on the grass on two mornings, hail on 24th, thunder and lightning on 28th and 29th, and Aurora Australis on 16th. Mean earth-temperature at 1 ft. was 56°, and 55.6° at 3 ft. Mean dew-point, 46.7°; mean elastic force of vapour, 0.319 in.; and mean relative humidity, 75 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

October, 1918.

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. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 57.0	Deg. 62.6	Deg. 51.4	Points. 808	Dys. 23
46	TE AROHA .. G. F. McGirr	.. 54.0	.. 61.9	.. 46.1	1209	22
925	ROTORUA .. W. Penno	.. 53.0	.. 60.6	.. 45.5	693	15
340	WAIHI .. P. A. Clifford	.. 55.8	.. 63.7	.. 48.0	1749	21
..	TAURANGA .. C. J. Butcher	.. 54.1	.. 63.1	.. 45.2	925	21
160	NEW PLYMOUTH .. W. W. Smith	.. 53.3	.. 61.4	.. 45.3	965	26
250	MOUMAHAKA .. T. W. Lonsdale	.. 54.5	.. 64.0	.. 45.0	483	18
2080	TAIHAPE .. A. R. Fannin	.. 49.1	.. 56.3	.. 42.0	579	20
100	PALMERSTON NORTH .. J. E. Vernon	.. ..	.. ..	.. ..	..	..
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	53.9	60.5	47.3	407	19
186	GREYTOWN .. W. C. Davies	.. 53.7	.. 62.5	.. 44.9	437	21
377	MASTERTON .. Wm. Hood	.. 54.3	.. 64.9	.. 43.8	409	21
70	GREENMEADOWS, NAPIER T. B. McBreen	.. 56.6	.. 64.8	.. 48.4	530	11
..	TRENTHAM MILITARY CAMP* Lieut.-Col. Leahy	.. ..	.. ..	.. ..	..	..
10	WELLINGTON .. Ven. Arohdeacon Kempthorne	.. 54.8	.. 60.3	.. 49.4	648	17
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Arohdeacon Kempthorne	.. 52.8	.. 61.8	.. 43.9	627	19
34	NELSON .. J. R. Dart	.. 53.8	.. 62.6	.. 45.0	633	16
1220	HANMER SPA .. Miss M. Stewart	.. 50.4	.. 59.6	.. 41.3	495	17
25	CHRISTCHURCH .. H. F. Skey	.. 53.7	.. 63.1	.. 44.3	131	12
42	LINCOLN .. L. J. Wild	.. 53.6	.. 64.1	.. 43.1	97	11
1220	KISSELTON .. A. R. Blackwood	.. 50.0	.. 58.3	.. 41.8	554	14
..	RAKAIA .. Miss A. Hardy	.. 53.6	.. 64.0	.. 43.3	110	4
130	TIMARU .. Caretaker of Domain	.. 52.4	.. 62.3	.. 42.5	79	8
200	WAIMATE .. F. Akhurst	.. 51.5	.. 60.8	.. 42.3	80	11
300	DUNEDIN .. D. Tannock	.. 51.2	.. 59.5	.. 43.0	188	15
245	GORE .. H. Dolamore	.. 49.1	.. 59.9	.. 38.4	237	13
12	HOKITIKA .. W. H. Fleming	.. 51.7	.. 58.5	.. 45.0	1551	21
12	INVERCARGILL .. L. Lennie	.. 50.0	.. 59.1	.. 40.9	248	17
*	September ..	49.6	57.7	41.6	484	15

SUMMARY FOR THE MONTH OF OCTOBER, 1918.

October proved an extremely wet month over the North Island and in the north-west portion of the South. Elsewhere the total rainfall was below the average. High winds and stormy weather were frequently experienced, and, on account of the low temperatures, especially during the nights, the growth in vegetation was deficient in most parts of the Dominion.

Atmospheric disturbances were numerous during the latter half of the month. The most intense were two westerly areas of low pressure, one ruling between the 13th and 20th, and the other between the 25th and 30th. On the 23rd and 24th a cyclone passed in the North, and on the latter date a cold south-east gale was responsible for some serious losses of shorn sheep in the East Coast districts of the North Island.

Although changeable, some fine days and mild conditions were experienced during the first fortnight.