

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of October, 1923. Observations taken 9 a.m.

Altitude of Observatory, 10 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	30.093	67.0	43.2	55.1	123.0	32.3	75	7	W.	..
2	30.089	66.0	48.2	57.1	125.0	37.9	87	3	N.	..
3	30.118	66.3	43.3	54.8	126.0	30.5	67	8	N.	..
4	30.020	66.0	47.4	56.7	132.0	35.1	102	9	N.E.	22
5	29.766	61.0	49.8	55.4	104.0	42.0	56	10	E.	13
6	29.867	56.9	49.3	53.1	90.0	42.2	314	10	S.	111
7	29.880	53.0	49.5	51.2	86.0	48.7	552	10	S.	35
8	29.748	55.8	49.5	52.6	87.0	49.3	338	9	S.	5
9	29.921	63.3	50.0	56.6	129.0	47.0	141	9	S.S.E.	Trace
10	30.138	57.0	46.1	51.5	118.0	43.5	249	3	S.	4
11	30.085	57.0	47.2	52.1	123.0	42.0	207	10	S.E.	12
12	30.076	65.7	48.9	57.3	123.0	44.1	105	6	E.N.E.	..
13	30.109	67.0	47.0	57.0	132.0	37.0	107	10	Calm	12
14	29.814	66.0	52.2	59.1	126.0	48.0	118	10	N.	3
15	29.505	66.3	53.6	59.9	126.0	49.8	235	9	N.W.	44
16	29.761	59.0	47.4	53.2	85.0	45.9	350	10	S.	49
17	29.802	51.0	43.7	47.3	86.0	42.2	594	10	S.	5
18	30.009	50.0	44.4	47.2	88.0	43.0	498	10	S.	..
19	30.035	56.7	37.7	47.2	109.0	28.2	135	7	N.E.	..
20	29.847	62.0	52.0	57.0	122.0	48.1	273	5	N.W.	5
21	29.894	61.0	49.4	55.2	128.0	36.4	161	1	N.	..
22	29.861	65.3	53.1	59.2	124.0	50.0	284	8	N.	..
23	29.826	62.3	53.7	58.0	127.0	49.8	491	10	N.N.W.	39
24	29.441	59.0	54.2	56.6	110.0	51.7	619	10	N.W.	9
25	29.625	61.4	49.3	55.3	124.0	43.1	348	8	S.S.E.	..
26	30.110	61.7	47.0	54.3	124.0	37.8	96	8	E	15
27	29.866	61.2	48.3	54.7	134.0	46.1	72	10	E.S.E.	Trace
28	29.966	59.5	48.0	53.7	127.0	37.2	148	3	N.N.W.	..
29	29.831	62.8	56.0	59.4	128.0	49.0	287	8	N.W.	..
30	30.028	64.2	48.0	56.1	143.0	39.0	224	8	S.E.	..
31	29.992	63.8	54.4	59.1	126.0	50.7	245	10	N.	..
*	29.910	61.1	48.8	54.9	117.3	42.8	244.4	8.0	..	383
†	29.895	60.3	48.3	54.3	114.8	42.1	285	5.4	..	415

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
8	2	4	2	9	..	1	4	1

NOTE.—A dull and showery month, but on the whole of average spring temperature. Total bright sunshine, 133 hours 4 minutes, 33 per cent. of the possible, and seven sunless days. Frost was recorded on the grass on two mornings. Mean earth temperature at 1 ft. and 3 ft. was 55.5°. Mean dew-point, 47.1°; mean elastic force of vapour, 0.324 in.; mean relative humidity, 75 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS. October, 1923.

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.	
152	AUCKLAND ..	57.4	62.7	52.1	374	20
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	57.3	64.5	50.1	481	17
46	TE AROHA .. C. E. Christensen	58.1	65.6	50.7	445	19
340	WAIHI .. C. F. Sims.	56.9	65.3	48.5	635	17
100	TAURANGA .. C. J. Butcher	56.5	63.9	49.1	611	23
925	ROTORUA .. W. E. Penno	54.3	62.0	46.6	711	16
60	NEW PLYMOUTH G. H. Dolby	54.7	60.4	49.1	520	19
250	MOUMAHAKI .. J. G. McFarlane	54.7	62.9	46.5	539	15
2080	TAIHAPE .. A. R. Fannin	49.6	56.7	42.5	368	22
100	PALMERSTON NORTH J. A. Colquhoun	55.0	61.9	48.1	415	18
5	OROUA DOWNS R. A. Reid	53.9	60.7	47.1	242	16
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	53.9	60.1	47.7	288	17
377	MASTERTON R. Brown	53.2	61.3	45.2	459	19
186	GREYTOWN W. Allan	53.7	61.8	45.7	433	17
10	WELLINGTON ..	54.9	61.1	48.8	383	16
	SOUTH ISLAND.					
87	BRIGHTWATER .. Ver. Archdeacon Kempthorne	53.8	62.7	44.9	387	12
34	NELSON .. Wm. C. Davies	55.2	63.7	46.7	167	12
1220	HANMER SPRINGS W. G. Morrison	50.9	61.9	39.9	538	12
25	CHRISTCHURCH H. F. Skey	51.8	58.7	45.0	173	10
42	LINCOLN .. M. J. Scott	52.8	60.4	45.3	125	8
1220	KISSELTON .. F. Freeman	51.3	62.0	40.7	211	8
349	RAKAIA .. Miss A. Hardy	51.8	60.6	43.1	207	9
130	TIMARU .. Caretaker of Domain	52.3	60.4	44.3	174	11
200	WAIMATE .. F. Akhurst	51.2	59.0	43.4	155	14
300	DUNEDIN .. D. Tannock	52.5	58.9	46.2	333	12
245	GORE .. A. T. Newman	..	..	..	..	..
12	HOKITIKA .. J. A. Chesney	52.6	60.3	44.9	807	17
12	INVERCARGILL I. Lennie	50.0	59.3	40.7	312	17

SUMMARY FOR THE MONTH OF OCTOBER, 1923.

With the exception of three short periods—viz., between the 1st and 3rd, 18th and 21st, and 25th and 30th, when anticyclonic conditions ruled—the weather of October was dominated by frequent westerly depressions and at least three ex-tropical cyclones. As a result the month was very changeable. The westerly depressions were mostly of only slight intensity, but one which culminated on the 24th was very severe. A cyclone persisting about East Cape for several days about the middle of the month caused southerly gales and stormy conditions between the 15th and 17th, particularly along the East Coast.

Wide differences in rainfall occurred over the Dominion, and, though mostly above the average in the northern and east coast districts of the North Island and in North Canterbury in the South, most other parts recorded a deficiency, many places in Nelson and Westland having less than half the usual amount.

Temperatures were generally above the average, but the cold southerly in the middle of the month was responsible for considerable damage.

D. C. BATES, Director.