

Government Meteorological Observatory.

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

Altitude of Observatory, 10 ft.

Date.	Barometer reduced in and corrected in Inches to Lat. 45°.	From Self-registering Instruments, for Twenty-four Hours previously.					Solar Radiation.	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.	Fah.	Fah.						
1	29.532	73.8	58.5	66.1	129.0	55.0	169	0	N.W.	..	..
2	29.658	72.5	57.5	65.0	135.0	54.5	200	2	S.	..	..
3	29.777	72.4	58.5	65.4	136.0	54.0	170	1	N.N.E.	65	..	
4	29.835	70.6	57.0	63.8	138.0	55.1	255	9	S.	8	..	
5	30.003	70.3	56.4	63.3	130.0	54.6	280	8	S.	3	..	
6	29.999	68.8	55.0	61.9	134.0	51.6	249	7	S.S.E.	..	..
7	29.965	71.0	48.0	59.5	137.0	37.5	139	1	S.S.W.	..	..
8	29.925	74.3	52.8	63.5	131.0	42.2	93	1	N.	..	..
9	29.910	75.7	52.6	64.1	133.0	41.0	150	2	N.W.	2	..	
10	29.894	70.6	57.4	64.0	139.0	55.0	356	9	S.	..	..
11	29.863	67.0	47.7	57.3	134.0	37.0	206	10	E.N.E.	4	..	
12	29.827	69.0	50.0	59.5	138.0	39.5	97	9	S.	..	..
13	29.661	69.3	58.8	64.0	135.0	54.6	303	10	N.W.	2	..	
14	29.724	68.5	56.6	62.5	134.0	50.0	363	7	N.	60	..	
15	29.618	75.1	57.2	66.1	143.0	55.3	175	10	S.	85	..	
16	29.636	62.0	51.5	56.7	121.0	50.2	237	10	S.E.	2	..	
17	29.830	63.7	56.6	60.1	102.0	51.9	122	10	N.W.	52	..	
18	29.718	71.8	57.2	64.5	126.0	53.5	132	4	N.	3	..	
19	29.885	73.0	52.8	62.9	137.0	45.2	73	1	S.	..	..
20	29.803	77.0	59.0	68.0	141.0	52.0	97	9	N.	1	..	
21	29.700	76.5	62.0	69.2	137.0	55.0	101	10	N.E.	169	..	
22	29.690	77.2	60.0	68.6	139.0	53.2	122	10	S.	16	..	
23	29.702	68.3	60.9	64.6	130.0	57.0	263	5	N.	..	..
24	29.747	68.1	59.2	63.6	136.0	54.4	234	10	N.	..	..
25	30.026	70.9	58.6	64.7	117.0	56.4	327	9	S.E.	35	..	
26	29.775	63.9	57.7	60.8	112.0	56.4	549	10	S.	46	..	
27	29.820	70.4	61.2	65.8	103.0	56.7	90	10	E.S.E.	7	..	
28	29.811	75.0	63.8	69.4	135.0	61.0	150	10	N.W.	17	..	
29	29.740	71.3	63.4	67.3	145.0	61.8	379	8	N.W.	..	..
30	29.831	71.2	63.2	67.2	132.0	59.9	376	9	N.	..	..
31	29.893	68.2	64.0	66.1	111.0	61.0	381	10	N.	..	..
*	29.800	70.9	57.3	64.1	130.6	52.5	221	7.1	..	..	577
†	29.903	69.3	55.7	62.5	126.3	49.2	259	5.2	..	..	332

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
9	1	2	2	11	..	..	6	..

NOTE.—The weather during the month has been warm, cloudy, and wet, with precipitation 74 per cent. above the mean of previous years. Total bright sunshine 169 hours 41 minutes, 36 per cent. of the possible, and two sunless days. Mean earth-temperature at 1 ft. was 67.9°; and 65.8° at 3 ft. Mean dew-point, 54.5°; mean relative humidity, 71 per cent. of saturation; and mean elastic force of vapour, 0.425 in.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

January, 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 (1/4 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND Capt. W. Whiteford	Deg. 65.6	Deg. 72.1	Deg. 59.2	Points. 646	Dys. 15
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	63.4	74.9	52.0	521	13
46	TE AROHA .. W. O'Connell	64.1	69.9	58.4	667	15
340	WAIHI .. C. F. Sims	64.4	73.8	55.1	704	14
100	TAURANGA .. C. J. Butcher	64.4	73.4	55.4	612	16
925	ROTORUA .. W. E. Penno	62.6	73.0	52.2	1005	14
60	NEW PLYMOUTH .. G. H. Dolby	61.8	68.5	55.2	1229	18
250	MOUMAHAKI .. J. G. McFarlane	62.4	71.9	53.0	971	16
2080	TAIHAPE .. A. R. Fannin	58.3	66.0	50.6	841	19
100	PALMERSTON NORTH .. J. A. Colquhoun	63.1	71.5	54.7	769	21
5	OROUA DOWNS .. H. O. Stride	63.1	70.8	55.4	435	16
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	62.0	69.9	54.2	602	14
70	GREENMEADOWS, NA- PIER ..	..	..	..	810	17
377	MASTERTON .. R. Brown	62.2	72.7	51.7	652	18
186	GREYTOWN .. W. Allan	62.5	72.3	52.8	931	16
10	WELLINGTON ..	64.1	70.9	57.3	577	18
	SOUTH ISLAND.					
87	BRIGHTWATER .. Ven. Archdeacon Kempthorne	61.7	71.5	52.0	989	21
34	NELSON .. Wm. C. Davies	62.9	70.4	55.5	826	23
1220	HANMER SPRINGS .. W. G. Morrison	58.0	67.4	48.7	872	19
25	CHRISTCHURCH .. H. F. Skey	61.0	67.2	54.7	548	16
42	LINCOLN .. M. J. Scott	61.9	70.1	53.7	403	18
1220	KISSELTON .. F. Freeman	62.7	76.2	49.2	247	8
349	RAKAI .. Miss A. Hardy	61.5	69.6	53.5	364	17
130	TIMARU .. Caretaker of Domain	61.9	69.0	54.8	465	21
200	WAIMATE .. F. Akhurst	59.7	66.1	53.3	463	23
300	DUNEDIN .. D. Tannock	58.6	64.4	52.8	295	17
245	GORE .. A. T. Newman	..	..	..	350	17
12	HOKITIKA .. J. A. Chesney	61.7	68.4	55.1	839	22
12	INVERCARGILL .. L. Lennie	60.2	69.6	50.8	315	17
	LATE RETURNS.					
	DUNEDIN .. (December, 1922)	56.3	63.6	49.0	378	18
	PALMERSTON NORTH (December, 1922)	59.6	67.6	51.6	245	16
	ERRATA.					
	HANMER SPRINGS .. (November, 1922)	..	..	..	330	12

SUMMARY FOR THE MONTH OF JANUARY, 1923.

Throughout the greater part of the Dominion January was abnormally wet, and rainfall totals in most cases were considerably in excess of the average. Westland and Southland in the South Island were the only districts where below-normal amounts were recorded.

Some very heavy downpours accompanied the frequent electric disturbances which were experienced during the month, especially over the North Island.

Owing to the passage of ex-tropical disturbances both over and northwards of the Dominion, easterly winds predominated, with much dull and misty weather, though warm temperatures were generally experienced.

D. C. BATES, Director.