

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of January, 1918. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 49°	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	29.409	65.2	61.6	63.4	126.0	60.0	613	10	N.	51
2	29.733	63.5	53.7	58.6	124.0	48.0	284	0	N.W.	1
3	30.073	67.3	51.8	59.5	132.0	42.3	262	5	S.	..
4	30.314	64.2	52.2	58.2	135.0	47.7	230	1	S.	..
5	30.304	66.3	46.8	56.5	128.0	37.0	116	3	N.	..
6	30.193	71.0	58.7	64.8	135.0	55.5	227	10	NNE	..
7	30.234	71.9	58.0	64.8	150.0	55.9	252	9	S.	..
8	30.181	73.0	54.8	63.9	149.0	44.2	133	5	E.	..
9	30.171	72.6	60.4	66.5	144.0	57.3	148	7	N.	2
10	30.088	72.1	62.2	67.1	145.0	59.8	196	10	N.	25
11	30.020	67.9	61.1	64.5	109.0	57.7	122	10	S.E.	13
12	29.956	68.3	58.6	63.4	113.0	58.1	200	10	SSE	..
13	29.977	66.5	57.4	61.9	133.0	55.0	335	7	S.	..
14	29.907	75.3	55.4	65.3	147.0	48.6	134	9	Calm	7
15	29.909	73.5	60.6	67.0	142.0	54.2	70	4	ESE	..
16	29.852	74.5	59.5	67.0	143.0	50.0	116	1	NNE	..
17	29.832	78.5	65.6	72.0	143.0	63.0	185	10	N.W.	7
18	29.777	73.8	64.5	69.1	154.0	63.0	190	9	N.W.	15
19	29.752	71.2	60.2	65.7	128.0	58.0	193	10	S.E.	38
20	30.019	62.8	57.0	59.9	128.0	54.0	281	10	S.	..
21	30.100	68.2	56.6	62.4	131.5	51.0	96	9	N.W.	..
22	30.289	67.8	57.8	62.8	136.0	43.0	158	0	S.E.	..
23	30.201	72.5	55.7	63.1	131.5	42.5	154	1	N.	..
24	29.933	70.4	61.8	66.1	150.0	59.0	405	0	N.E.	..
25	30.058	71.6	63.0	67.3	138.0	60.0	414	10	S.	..
26	30.145	69.9	50.9	60.4	138.4	38.8	198	0	N.	..
27	30.101	74.5	63.5	69.0	138.5	60.5	252	6	N.	..
28	29.860	76.2	65.8	71.0	138.0	63.5	322	5	N.W.	13
29	29.883	72.8	55.5	64.1	147.4	54.5	392	1	S.E.	..
30	30.038	65.3	46.7	56.0	149.0	34.4	208	1	N.	..
31	29.964	68.5	61.2	64.8	145.0	59.5	343	10	N.	1
*	30.009	70.2	58.0	64.1	137.1	52.8	233	5.9	..	173
†	29.899	69.4	55.5	62.4	126.1	48.6	256	..	..	11

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
11	1	2	4	7	..	..	5	1

NOTE.—The weather during the month has been bright and sunny, with barometric pressure and temperatures above the mean of previous years. Total bright sunshine, 206 hours 21 minutes, and three sunless days, giving an average of 6 hours 39 minutes per diem. Mean earth-temperature at 1 ft. was 67.6° and 66° at 3 ft.; mean dewpoint, 55.2°; mean elastic force of vapour, 0.436 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

January, 1918.

Ft. 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 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
125	AUCKLAND .. F. A. F. Burnett	Deg. 66.9	Deg. 72.5	Deg. 61.3	Points. 417	Dy. 15
46	TE AROHA .. G. F. McGirr	63.7	76.0	51.4	584	15
925	ROTORUA .. W. Penno	61.9	68.0	55.9	459	12
340	WAIHI .. P. A. Clifford	65.4	73.0	57.8	841	22
..	TAURANGA .. C. J. Butcher	63.9	71.7	56.2	633	19
160	NEW PLYMOUTH .. W. W. Smith	64.5	74.7	54.4	434	9
250	MOUMAHAKI .. T. W. Lonsdale	..	73.1	..	217	12
2080	TAIHAPE .. A. R. Fannin	60.8	69.3	52.3	730	13
100	PALMERSTON NORTH* J. E. Vernon	65.3	73.5	57.2	377	7
186	GREYTOWN .. W. C. Davies	63.9	74.4	53.4	224	10
377	MASTERTON .. Wm. Hood	64.8	75.6	54.0	207	12
70	GREENMEADOWS, NAPIER .. T. B. McBreen	..	..	..	..	..
10	WELLINGTON ..	64.1	70.2	58.0	173	11
SOUTH ISLAND.						
34	NELSON .. J. R. Dart	Deg. 66.0	Deg. 74.7	Deg. 57.4	Points. 283	Dy. 7
1220	HAMMER SPA .. Miss M. Stewart	..	..	..	498	11
25	CHRISTCHURCH .. H. F. Skey	60.9	67.4	54.5	237	12
42	LINCOLN .. L. J. Wild	57.3	70.8	48.9	123	8
1220	KISSELTON ..	59.7	69.9	49.6	67	6
..	RAKAIA .. Miss A. Hardy	60.9	69.9	51.9	166	11
130	TIMARU .. Caretaker of Domain	62.1	70.4	53.9	217	12
200	WAIMATE .. F. Akhurst	59.3	67.2	51.5	291	13
300	DUNEDIN .. D. Tannock	58.8	66.6	51.1	202	11
245	GORE .. H. Dolamore	60.3	72.1	48.5	448	17
12	HOKITIKA .. W. H. Fleming	61.1	68.0	54.2	937	13
12	INVERCARGILL† L. Lennie	57.3	65.1	49.5	364	22

SUMMARY FOR THE MONTH OF JANUARY, 1918.

The aggregate month's rainfall was below the average in most parts of the South Island and in the extreme south and central regions of the North, while in the northern and east coast districts of the North Island it was considerably above normal.

The cause of the excess in the two latter districts was the presence of an atmospheric depression northwards of the Dominion, which persisted between the 9th and the 16th. During this period frequent electrical disturbances were reported in the north, particularly about the 12th, 15th, and 19th.

On New Year's Day boisterous and wet conditions were experienced generally, owing to the passage of the centre of a disturbance in the vicinity of Cook Strait.

Several small westerly areas of low pressure were in evidence, passing in the south on the 17th, 24th, 28th, and 30th respectively. About these dates conditions were unsettled, with rainfall in many parts.

The weather for the month as a whole may be described as dull, warm, and humid.

D. C. BATES, Director.