

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of January, 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.			
1	29.951	65.8	59.2	62.5	83.6	54.2	400	8	N.	2
2	29.699	66.6	59.2	62.9	127.4	56.4	650	5	N.	..
3	29.821	68.6	55.4	62.0	117.6	46.2	320	3	N.W.	7
4	29.869	64.8	50.8	57.8	98.8	46.6	290	4	S.	..
5	29.799	63.6	55.2	59.4	68.8	49.4	260	10	S.	1
6	29.652	66.0	50.8	58.4	120.4	41.2	140	4	N.W.	..
7	29.859	71.2	50.4	60.8	63.8	46.4	320	8	S.	..
8	29.890	60.4	52.2	56.3	114.6	48.2	320	8	S.	..
9	29.799	65.6	54.8	60.2	67.8	51.0	170	10	S.	..
10	29.729	64.4	47.8	56.1	105.6	36.6	221	6	N.	..
11	29.749	64.6	52.0	58.3	84.6	40.0	179	6	N.	..
12	29.789	68.8	50.2	59.5	113.8	38.4	150	4	N.	..
13	29.779	65.0	56.4	60.7	118.6	50.6	400	3	N.	..
14	29.899	70.2	59.6	64.9	119.8	54.0	390	4	N.	..
15	30.049	69.8	56.2	63.0	121.6	45.4	320	5	E.	..
16	30.169	73.8	56.4	65.1	112.8	46.6	190	5	N.	..
17	30.112	70.8	58.6	64.7	118.4	54.2	290	6	N.	..
18	30.129	68.2	59.6	63.9	119.2	56.0	320	5	N.	..
19	30.061	74.0	62.4	68.2	89.6	58.6	270	6	N.	..
20	30.023	69.6	62.4	66.0	93.8	59.6	421	10	N.	7
21	30.039	66.8	58.6	62.7	93.0	54.0	326	10	N.	3
22	30.161	68.6	57.0	62.8	65.6	55.6	223	10	S.	..
23	30.279	69.2	53.6	61.4	121.8	46.8	199	4	S.	..
24	30.159	77.2	61.0	69.1	122.6	51.2	160	3	N.	..
25	30.089	75.6	65.8	70.7	129.0	63.4	360	10	N.	..
26	29.882	79.0	67.4	73.2	138.4	63.0	220	6	N.	12
27	30.119	78.8	56.0	67.4	138.0	55.4	320	10	S.	26
28	30.172	64.6	55.6	60.1	79.8	54.4	247	10	S.E.	..
29	30.151	76.2	62.6	69.4	135.6	54.8	43	3	N.	..
30	30.189	85.0	65.2	75.1	135.8	57.0	90	3	N.	..
31	30.189	82.6	60.4	71.5	138.6	57.4	90	10	S.	..
*	29.976	70.2	57.2	63.7	108.3	51.4	268	6.4	..	58
†	29.899	69.4	55.5	62.5	126.1	48.6	256	..	..	340

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
18	..	1	1	9	..	..	2	..

NOTE.—The weather during the month has been bright and sunny, with the rainfall considerably below the mean of previous years. Total bright sunshine 263 hours 26 minutes, averaging 8 hours 30 minutes per day, and one sunless day. Thunder and lightning occurred on the 3rd, and hail fell on the same date. The mean earth-temperature at 1 ft. was 68.1°, and 67.1° at 3 ft. Mean dew-point, 53.4°; mean elastic force of vapour, 0.409 in.; mean relative humidity, 69 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

January, 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 (4 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
20	RUAWAI .. Dr. H. M. Levinge	67.3	77.2	57.4	293	8
125	AUCKLAND .. F. A. F. Burnett	65.5	71.8	59.3	204	15
46	TE AROHA .. G. F. McGirr	64.8	75.2	54.5	403	11
925	ROTORUA ..	..	..	..	..	..
340	WAIHI .. P. A. Clifford	65.5	76.1	55.0	200	15
..	TAUBANGA .. C. J. Butcher	64.5	74.4	54.6	299	9
160	NEW PLYMOUTH .. W. W. Smith	62.6	70.7	54.5	274	12
250	MOUMAHAKI .. J. Kirkland	61.9	70.6	53.2	295	7
2080	TAIHAPE .. A. R. Fanning	58.4	66.9	49.9	181	15
100	PALMERSTON NORTH .. J. E. Vernon	61.7	71.2	52.2	185	7
186	GREYTOWN .. W. C. Davies	64.5	76.8	52.2	218	9
377	MASTERTON .. Wm. Hood	64.4	76.2	52.6	224	8
70	GREENMEADOWS, NA-PIER ..	..	..	..	..	..
10	WELLINGTON .. F. W. Simms	63.7	70.2	57.2	58	7
	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. A. E. Hedges	65.4	73.9	56.8	116	6
1220	HANMER SPA .. J. F. Robieson	59.2	69.5	49.0	205	9
25	CHRISTCHURCH .. H. F. Skey	61.2	70.8	51.6	136	9
42	LINCOLN .. L. J. Wild	61.6	72.5	50.8	142	6
..	RAKATA .. Miss A. Hardy	60.5	72.2	48.8	143	9
130	TIMARU .. Caretaker of Domain	61.1	71.4	51.0	117	8
90	WAIMATE .. W. M. Hamilton	60.1	70.5	49.7	115	9
300	DUNEDIN .. D. Tannock	57.6	66.2	49.0	100	13
245	GORE .. H. Dolamore	57.7	69.1	46.4	303	18
12	HOKITIKA .. F. T. Sandford	59.4	66.1	52.8	781	12
12	INVERCARGILL .. L. Lennie	56.6	65.5	47.7	439	13

SUMMARY FOR THE MONTH OF JANUARY, 1916.

Over the country generally very warm weather was experienced, with an absence of high winds.

The rainfall was nearly everywhere below the average, the greatest deficiency being in the East Coast districts of the South Island. North of Auckland there was an excessive precipitation, which was accounted for by the passage of a depression to the northwards between the 24th and the end of the month.

Three westerly "lows" passed in the south—viz., on the 1st, 12th, and 26th—and these were responsible for rain in various districts.

D. C. BATES, Director