

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of February, 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.							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.	Velocity in Miles.	Amount of Cloud, 0 to 10.		
1	30-039	78.0	64.2	71.1	129.0	58.0	130	7	N.	..
2	29-889	75.0	65.6	70.3	135.6	63.0	240	8	N.	..
3	29-739	73.6	66.2	69.9	86.8	62.6	360	10	N.	1
4	29-611	72.6	65.2	68.9	70.6	62.0	280	10	N.	131
5	29-529	74.6	62.4	68.5	96.8	60.0	260	8	N.	..
6	29-719	71.4	64.2	67.8	116.6	61.6	390	6	N.	..
7	29-879	73.0	65.2	69.1	124.8	62.0	280	6	N.	..
8	29-969	75.2	62.6	68.9	108.6	59.4	217	4	N.	..
9	29-853	76.6	66.2	71.4	99.8	60.6	243	8	N.	27
10	29-699	75.2	64.0	69.6	86.8	61.0	380	8	N.	..
11	29-853	77.6	60.2	68.9	118.0	54.4	141	5	N.	8
12	29-922	76.6	56.8	66.7	84.6	55.2	189	10	S.	17
13	30-019	62.6	55.6	59.1	84.8	52.0	550	8	S.	..
14	29-862	67.8	50.2	59.0	97.6	40.6	147	8	S.	..
15	29-739	66.4	53.0	59.7	91.8	44.8	153	6	N.E.	..
16	29-749	68.6	57.2	62.9	114.6	50.6	237	0	N.E.	..
17	29-649	71.4	59.2	65.3	116.4	51.0	273	3	S.E.	..
18	30-109	76.0	76.0	72.8	77.8	56.0	200	10	Calm	..
19	30-169	74.6	63.2	68.9	109.6	58.6	170	8	N.	..
20	30-039	72.0	61.6	66.8	109.8	56.0	480	5	N.	..
21	30-119	72.6	69.2	70.9	101.6	54.4	160	8	N.	..
22	30-019	72.4	62.8	67.6	118.8	59.0	280	8	N.	..
23	30-149	73.8	58.2	66.0	112.4	48.6	140	8	S.	..
24	30-259	66.6	53.4	60.0	109.6	40.8	197	0	E.	..
25	30-209	78.6	65.4	72.0	91.8	60.4	143	8	N.	..
26	30-089	73.0	65.6	69.3	89.2	59.2	370	10	N.	..
27	29-919	72.0	66.2	69.1	92.6	63.0	410	10	N.	1
28	30-291	72.2	55.6	68.9	76.8	52.6	300	10	S.	..
29	30-229	65.6	46.4	56.0	108.4	35.4	230	0	N.E.	..
..
..
..
*	29-942	72.6	61.2	66.9	102.1	55.3	260	7.0	..	185
†	29-981	69.2	55.5	62.3	123.5	48.4	236	343

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
18	3	1	1	5	1

NOTE.—A fine summer month, with rainfall considerably below the mean of previous years. Total bright sunshine 232 hours 23 minutes, averaging 8 hours 1 minute per day, and one sunless day. The mean earth-temperature at 1 ft. was 70.5°, and 69.6° at 3 ft. Mean dew-point, 57.8°; mean elastic force of vapour, 0.479 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.

February, 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 (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
20	RUAWAI .. Dr. H. M. Levinge	69.6	80.2	59.0	416	8
125	AUCKLAND .. F. A. F. Burnett	69.2	75.7	62.7	51	8
46	TE AROHA .. G. F. McGirr	65.8	79.7	52.0	122	6
925	ROTORUA ..	66.9	76.6	57.5	143	8
340	WAIHI .. P. A. Clifford	68.4	79.8	57.1	214	8
..	TAURANGA .. C. J. Butcher	68.3	77.8	58.9	113	6
160	NEW PLYMOUTH .. W. W. Smith	65.8	74.4	57.2	257	8
250	MOUMAHAKI .. J. Kirkland	65.5	75.8	55.3	221	7
2080	TAIHAPE .. A. R. Fanning	63.4	73.0	53.9	219	9
100	PALMERSTON NORTH .. J. E. Vernon	66.7	77.1	56.4	56	8
186	GREYTOWN .. W. C. Davies	66.8	79.4	54.3	64	5
377	MASTERTON .. Wm. Hood	67.3	80.5	54.2	103	6
70	GREENMEADOWS, NAPIER* W. B. Buckley	72.4	83.5	61.3	44	4
10	WELLINGTON .. F. W. Simms	66.9	72.6	61.2	185	6
Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. A. E. Hedges	68.2	77.2	59.3	166	3
1220	HANMER SPA .. J. F. Robieson	62.7	72.9	52.5	201	9
25	CHRISTCHURCH .. H. F. Skey	63.9	71.9	56.0	359	13
42	LINCOLN .. L. J. Wild	63.9	73.5	54.3	304	11
..	RAKAI .. Miss A. Hardy	63.8	73.5	54.1	406	8
130	TIMARU .. Caretaker of Domain	63.2	71.3	55.1	101	15
90	WAIMATE .. W. M. Hamilton	61.3	69.6	53.0	143	15
300	DUNEDIN .. D. Tannock	60.4	69.0	51.8	217	13
245	GORE .. H. Dolamore	59.2	69.7	48.7	406	13
12	HOKITIKA .. F. T. Sandford	61.9	68.8	55.0	629	21
12	INVERCARGILL .. L. Lennie	58.9	67.7	50.2	469	13
* For January, 1916 ..		69.1	80.3	57.9	81	6

SUMMARY FOR THE MONTH OF FEBRUARY, 1916.

The rainfall for February was above the average in parts of North Canterbury and Otago districts, but below in nearly all other parts of the Dominion.

The most conspicuous disturbance was a cyclone whose centre passed down the west coast of the North Island and in the neighbourhood of Cook Strait on the night of the 4th, causing general heavy rains.

Several other atmospheric depressions were in evidence, but were centred too far away to have an appreciable effect, or the effect was neutralized by the nearness of other "lows," and they were accountable only for local showers and thunderstorms.

As a rule fair, warm, and at times sultry conditions prevailed, with an absence of strong winds.

D. C. BATES, Director.