

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of March, 1916. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in inches to Lat. 46°.	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	30.090	72.0	63.4	67.7	113.6	56.0	340	8	N.	..
2	30.062	73.2	65.0	69.1	119.0	60.0	350	8	N.	..
3	30.179	72.4	61.8	67.1	69.8	59.6	310	10	S.	..
4	30.119	74.0	58.8	66.4	89.6	54.4	110	8	Calm	..
5	30.049	77.8	62.6	70.2	85.8	58.2	190	8	N.	..
6	30.049	75.6	65.0	70.3	96.4	60.6	220	5	N.	34
7	30.289	79.0	59.6	69.3	71.8	58.0	230	10	S.	1
8	30.229	64.8	58.8	61.8	69.6	57.4	330	10	S.	..
9	30.149	65.0	59.4	62.2	99.8	58.6	310	6	S.	..
10	30.050	73.6	60.2	66.9	111.6	55.2	183	8	S.E.	..
11	29.949	79.8	61.2	70.5	87.8	56.4	107	8	N.E.	..
12	29.813	79.8	56.6	68.2	111.4	48.6	70	0	N.	..
13	29.919	75.0	60.2	67.6	67.8	58.8	200	10	S.	..
14	30.050	66.8	59.4	63.1	83.6	53.6	100	8	N.E.	..
15	30.120	80.4	62.6	71.5	94.8	59.4	120	8	S.	..
16	30.139	75.6	54.4	65.0	112.6	45.2	87	4	N.E.	..
17	30.049	80.0	62.8	71.4	85.8	56.4	160	10	S.	6
18	30.229	75.2	61.8	68.5	72.4	60.0	303	10	S.	3
19	29.939	73.4	65.2	69.3	112.6	62.6	177	5	S.	..
20	29.899	80.0	60.8	70.4	118.8	55.4	73	6	N.	70
21	29.672	78.6	64.6	71.6	117.4	62.2	350	8	N.W.	..
22	29.940	61.2	57.4	59.3	71.6	53.6	530	10	S.	..
23	29.983	61.6	54.4	58.0	86.0	48.6	400	8	N.E.	..
24	29.602	69.6	52.4	61.0	114.6	52.0	240	8	N.	2
25	29.499	68.6	56.8	62.7	106.8	48.6	247	5	W.	..
26	29.939	72.4	47.8	60.1	104.0	37.4	170	3	N.	..
27	30.120	67.8	60.6	64.2	108.6	53.2	310	3	N.	..
28	30.109	70.0	63.8	66.9	102.8	59.6	563	8	N.	26
29	30.399	69.6	55.4	62.5	59.8	53.0	357	10	S.	..
30	30.330	62.8	52.4	57.6	99.6	42.4	123	0	Calm	..
31	30.359	73.4	56.8	65.1	87.8	54.2	237	5	S.	..
*	30.036	72.5	59.4	66.0	94.6	54.8	242	7.0	..	142
†	30.029	66.8	54.0	60.5	117.1	47.1	238	334

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
10	4	..	1	12	..	1	1	2

NOTE.—A fine autumn month, with temperatures considerably above the mean of previous years, and rainfall 58 per cent. below the mean. Total bright sunshine, 186 hours 31 minutes, and two sunless days. Thunder and lightning occurred on the 6th, 21st, and 24th, and fog on the 9th. The mean earth-temperature at 1 ft. was 68.7°, and 68.5° at 3 ft. Mean dew-point, 57.4°; mean elastic force of vapour, 0.472 in.; and mean relative humidity, 74 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

March, 1916.

Ft.	Name of Station and Observer.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with Rain (Point or more).
			Max. Temp.	Min. Temp.		
	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
125	AUCKLAND .. F. A. F. Burnett	67.8	73.3	62.2	378	11
46	TE AROHA .. G. F. McGirr	63.4	76.0	50.8	806	16
925	ROTORUA .. S. R. Edwards	65.1	74.2	56.0	465	15
340	WAIHI .. P. A. Clifford
..	TAURANGA .. C. J. Butcher	66.7	76.2	57.3	692	13
160	NEW PLYMOUTH .. W. W. Smith	67.8	76.3	59.3	144	10
250	MOUMAHARI .. J. Kirkland	64.9	74.3	55.5	258	7
2080	TAIHAPE .. A. R. Fanning	61.4	69.6	53.3	484	10
100	PALMERSTON NORTH .. J. E. Vernon	66.1	75.9	56.3	137	6
186	GREYTOWN .. W. C. Davies	66.1	75.6	56.7	317	14
377	MASTERTON .. Wm. Hood	66.4	77.2	55.7	302	16
70	GREENMEADOWS, NA-PIER .. W. B. Buckley	68.8	78.1	59.6	314	8
10	WELLINGTON .. F. W. Simms	66.0	72.5	59.4	142	7
	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. A. E. Hedges	66.1	73.0	59.2	263	10
1220	HANMER SPA .. J. F. Robieson	58.8	65.8	51.9	335	8
25	CHRISTCHURCH .. H. F. Skey	61.9	69.0	54.8	154	17
42	LINCOLN .. L. J. Wild	62.4	70.0	54.8	184	11
..	RAKAI .. Miss A. Hardy	61.2	69.4	53.1	208	14
130	TIMARU .. Caretaker of Domain	61.5	69.0	54.0	148	12
90	WAIMATE .. W. M. Hamilton	58.9	66.4	51.5	251	11
300	DUNEDIN .. D. Tannock	58.8	65.7	51.9	224	9
245	GORE .. H. Dolamore	58.2	69.2	47.2	400	14
12	HOKITIKA .. F. T. Sandford	63.2	69.4	57.0	1096	16
12	INVERCARGILL .. L. Lennie	59.0	69.0	49.0	533	13

SUMMARY FOR THE MONTH OF MARCH, 1916.

The outstanding feature of the month of March was the continuous exceedingly warm weather between the 1st and 20th.

On the night of the 20th widespread thunderstorms, accompanied with heavy rain, were experienced on account of the passage of a double-centred depression over the South Island.

The winds changed to southerly generally on the 22nd, causing cooler conditions, an appreciable change which continued to the close of the month.

The total rainfall was above the average in the northernmost and southernmost districts, and also in portions of the west coast of the South Island, but in most other parts of the Dominion it was below the mean.

D. C. BATES, Director.