

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of July, 1915. 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.	Velocity Wind in Miles.			
1	29.952	55.8	41.0	48.4	91.8	34.2	48	8	N.	2
2	30.082	59.6	44.2	51.9	98.6	37.4	72	10	S.	..
3	30.279	57.2	37.4	47.3	103.8	29.0	188	6	N.	..
4	30.479	54.8	41.6	48.2	106.6	36.4	208	3	Calm	..
5	30.509	54.0	39.2	46.6	85.8	32.0	48	10	Calm	..
6	30.260	57.6	43.2	50.4	106.4	38.2	98	7	N.	13
7	30.150	59.6	50.4	55.0	89.6	46.4	312	8	N.	..
8	30.180	59.0	52.6	55.8	110.8	50.2	302	10	N.	5
9	30.100	56.8	53.6	55.2	111.4	51.0	474	8	N.	38
10	29.879	59.0	54.8	56.9	97.2	52.4	361	10	N.	78
11	29.831	58.8	52.4	55.6	61.6	47.4	422	6	S.	30
12	30.239	58.6	44.2	51.4	101.0	39.2	197	10	S.	2
13	30.290	48.6	38.0	43.3	57.8	30.0	175	0	Calm	..
14	30.199	56.8	36.6	46.7	97.6	29.2	78	5	S.	..
15	30.339	51.6	38.2	44.9	74.8	36.4	214	6	S.	..
16	30.431	53.4	33.2	43.3	100.6	24.0	128	4	N.	..
17	30.509	52.2	39.6	45.9	98.4	32.0	132	8	N.	1
18	30.399	53.0	46.2	49.6	99.0	44.2	330	8	N.	..
19	30.199	55.6	50.0	52.8	76.6	48.0	420	10	N.	18
20	30.129	58.0	51.2	54.6	71.4	50.0	530	10	N.	173
21	29.869	59.8	57.0	58.4	66.8	55.4	600	10	N.	21
22	29.930	59.0	55.6	57.3	63.4	53.0	520	10	N.	..
23	29.971	57.4	50.8	54.1	98.6	45.4	168	8	S.	1
24	30.249	52.6	47.8	50.2	84.2	46.2	322	10	S.	6
25	30.371	51.6	44.2	47.9	87.8	39.0	244	6	S.	..
26	30.449	52.2	45.6	48.9	91.4	42.2	296	8	S.	..
27	30.449	51.2	33.4	42.3	102.6	24.0	148	0	E.	..
28	30.470	50.4	35.6	43.0	95.8	34.4	172	10	Calm	..
29	30.359	50.0	37.2	43.6	79.6	30.0	62	3	N.	..
30	30.139	51.6	42.8	47.2	105.4	41.0	228	8	N.	..
31	30.060	52.8	44.6	48.7	110.2	40.2	210	8	N.	..
*	30.218	55.1	44.6	49.8	91.2	39.9	249	7.3	..	388
†	29.906	52.9	42.1	47.5	86.4	34.9	198	..	..	584

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
17	..	1	..	9	..	..	..	4

NOTE.—The weather during the month has been fair and mild, with temperatures and barometric pressure well above the average; while the rainfall was 33 per cent. below the mean of previous years. Total bright sunshine, 84 hours 25 minutes, and 5 sunless days. Frost was recorded on the grass on 8 mornings. Mean earth temperature at 1 ft. was 50.4°, and 51.8° at 3 ft. Mean dew-point, 44.7°; mean elastic force of vapour, 0.296 in.; and mean relative humidity, 83 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
July, 1915.

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	52.7	61.4	44.0	373	7
125	AUCKLAND .. T. F. Cheeseman	52.7	58.3	47.1	732	20
..	TE AROHA .. G. F. McGirr	49.0	60.1	38.0	756	13
925	ROTORUA .. L. J. Bayfield	48.6	56.4	40.8	561	11
370	WAIHI .. P. A. Clifford	49.4	60.0	38.8	812	16
..	TAURANGA .. C. J. Butcher	51.1	60.4	41.9	492	12
63	NEW PLYMOUTH .. W. W. Smith	51.7	58.0	45.4	996	14
250	MOUMAHAKI .. J. Kirkland	48.2	55.9	40.6	524	11
2080	TAIHAPE .. A. R. Fannin	44.2	50.2	38.2	477	13
..	PALMERSTON NORTH .. J. E. Vernon	48.8	56.1	41.5	642	11
186	GREYTOWN .. W. C. Davies	47.1	56.0	38.2	459	12
377	MASTERTON .. Wm. Hood	46.7	55.5	38.0	419	15
..	GISBORNE .. C. H. Ferris	52.0	59.3	44.7	335	16
14	GREENMEADOWS, NA-PIER .. Rev. W. B. Buckley	50.3	56.7	44.0	238	5
10	WELLINGTON .. F. W. Simms	49.8	55.1	44.6	388	13
Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. Rev. J. P. Kempthorne	47.1	52.8	41.5	382	11
1218	HANMER SPA .. J. F. Robieson	44.5	55.4	33.5	33	5
25	CHRISTCHURCH .. H. F. Skey	45.3	54.6	36.0	23	12
42	LINCOLN .. L. J. Wild	45.4	55.5	35.4	56	10
..	RAKAI .. Miss A. Hardy	..	..	..	68	4
180	TIMARU .. Caretaker of Domain	43.4	51.8	35.0	46	6
90	WAIMATE .. W. M. Hamilton	44.4	51.7	37.1	47	6
300	DUNEDIN .. D. Tannock	45.5	51.9	39.2	75	10
245	GORE .. H. Dolamore	41.2	49.4	33.0	137	15
12	HOKITIKA .. F. T. Sandford	46.7	53.9	39.5	1411	16
18	INVERCARGILL .. L. Lennie	42.8	50.5	35.	321	19

SUMMARY FOR JULY, 1915.

The only atmospheric depressions affecting the weather unfavourably were one of moderate intensity which passed in the South on the 10th, and an intense and extensive westerly "low" ruling between the 19th and 24th. The latter was responsible for some very heavy rains in all the western districts, and on this account those portions of the Dominion had a total rainfall for the month much above the average. In the eastern half of the Dominion conditions were dry, and the aggregate rainfall was below normal. On the whole the weather was mild and fair for a winter month.

D. C. BATES, Director.