

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of July, 1916. Observations taken 6 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.	Veloc. Wind in Miles.	Amount of Cloud, 0 to 10.					
		Fah.	Fah.	Fah.	Fah.	Fah.							
1	29.852	62.0	47.0	54.5	70.2	45.5	308	8	S.	71			
2	29.800	49.5	44.5	47.7	57.8	40.5	173	10	S.	Trace			
3	29.910	52.5	47.5	50.0	65.0	42.0	124	10	S.	Trace			
4	30.149	51.4	44.0	47.7	79.0	42.0	356	0	S.	..			
5	30.080	55.5	36.5	46.0	64.0	29.0	78	3	N.E.	..			
6	29.955	53.0	37.6	45.3	80.5	29.0	11	4	N.	..			
7	29.815	56.5	42.0	49.2	84.0	34.0	126	2	N.	29			
8	30.057	52.3	47.0	49.6	65.0	48.0	383	10	S.	..			
9	30.027	52.0	37.0	49.5	75.0	28.0	227	6	N.E.	2			
10	30.111	55.8	44.0	49.9	107.0	37.5	136	10	N.E.	26			
11	29.997	56.6	45.7	51.1	75.0	37.4	209	10	S.	27			
12	30.092	53.0	47.0	45.0	65.0	46.0	251	10	S.	6			
13	30.434	51.6	43.8	47.7	86.0	37.0	224	1	S.E.	..			
14	30.633	52.8	35.5	44.1	105.0	27.5	132	10	S.	..			
15	30.447	57.3	40.5	48.9	102.0	31.9	71	10	Calm	18			
16	30.091	49.0	46.0	47.5	69.0	44.0	20	10	Calm	18			
17	29.905	51.1	49.2	50.1	63.0	48.1	147	10	S.	24			
18	30.146	50.0	48.1	49.0	66.5	46.1	260	5	S.	..			
19	30.265	54.8	36.7	45.7	104.2	28.1	405	6	N.E.	..			
20	30.328	57.1	48.1	52.6	107.0	44.6	661	10	N.	Trace			
21	30.090	57.0	51.5	54.2	64.5	50.3	713	10	N.	1			
22	29.996	58.0	55.7	56.8	78.8	52.2	636	10	N.	123			
23	30.038	58.5	50.8	54.6	67.0	49.5	171	10	S.	90			
24	29.864	52.8	47.8	50.3	64.9	43.0	84	9	N.	5			
25	29.867	57.1	39.9	48.5	106.7	30.4	68	5	W.	50			
26	30.022	56.5	44.4	50.4	104.8	42.0	217	10	S.	39			
27	30.326	50.0	43.9	46.9	95.1	42.0	445	9	S.	27			
28	30.428	49.2	44.2	46.7	98.4	42.1	349	9	S.	..			
29	30.358	49.9	33.4	41.6	72.4	24.0	74	0	Calm	..			
30	30.224	54.0	45.0	49.5	108.8	45.5	291	4	N.	..			
31	29.869	56.0	50.5	53.2	105.1	49.5	457	10	N.	86			
*	30.102	53.9	44.3	49.1	82.4	39.9	252	7.6	..	642			
†	29.906	52.9	42.1	47.5	86.5	34.9	198	..	..	588	

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
8	4	..	1	14	..	1	..	3

NOTE.—A mild winter month, with dull and cloudy skies, and rainfall above the mean of previous years. The total bright sunshine was 75 hours 13 minutes, and twelve sunless days. Frost was recorded on eight mornings. Mean earth-temperature at 1 ft. was 49°, and 51.3° at 3 ft. Mean dew-point, 45.1°; mean relative humidity, 86 per cent. of saturation; mean elastic force of vapour, 0.301 in.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

July, 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.		
NORTH ISLAND.						
Ft. 125	AUCKLAND .. F. A. F. Burnett	Deg. 53.6	Deg. 58.3	Deg. 48.9	Points. 821	Dys. 23
46	TE AROHA .. G. F. McGirr	.. 47.7	.. 57.8	.. 37.6	606	14
925	ROTORUA .. S. R. Edwards	.. 51.1	.. 57.6	.. 44.6	257	15
340	WAIHI .. P. A. Clifford	.. 51.1	.. 59.2	.. 43.1	890	17
..	TAURANGA .. C. J. Butcher	.. 51.6	.. 60.7	.. 42.6	337	17
160	NEW PLYMOUTH* .. W. W. Smith	.. 53.4	.. 55.6	.. 51.2	549	12
250	MOUMAHARI .. T. W. Lonsdale	.. ..	.. ..	.. ..	300	14
2080	TAIHAPE .. A. R. Fannin	.. 45.0	.. 50.5	.. 39.5	173	17
100	PALMERSTON NORTH .. J. E. Vernon	.. 48.3	.. 55.7	.. 41.0	260	13
186	GREYTOWN .. W. C. Davies	.. 47.2	.. 55.0	.. 39.4	342	16
377	MASTERTON .. Wm. Hood	.. 47.0	.. 54.9	.. 39.2	353	20
70	GREENMEADOWS, NA-PIER .. W. B. Buckley	.. 51.4	.. 57.7	.. 45.2	308	8
10	WELLINGTON .. A. Stretton	.. 49.1	.. 53.9	.. 44.3	642	17
SOUTH ISLAND.						
34	NELSON .. J. R. Dart	Deg. 49.1	Deg. 55.1	Deg. 43.1	Points. 790	11
1220	HANMER SPA .. J. W. McKinna	.. ..	.. ..	.. ..	.. ..	..
25	CHRISTCHURCH .. H. F. Skey	.. 44.4	.. 51.5	.. 37.4	355	16
42	LINCOLN .. L. J. Wild	.. 43.9	.. 51.6	.. 36.2	328	13
..	RAKAI .. Miss A. Hardy	.. 41.7	.. 49.5	.. 34.0	414	9
130	TIMARU .. Caretaker of Domain	.. 42.7	.. 50.7	.. 34.8	179	11
200	WAIMATE .. F. Akhurst	.. 42.2	.. 50.6	.. 33.9	205	13
300	DUNEDIN .. D. Tannock	.. 43.2	.. 49.8	.. 36.6	259	10
245	GORE .. H. Dolamore	.. 38.9	.. 46.8	.. 31.1	235	13
12	HOKITIKA .. F. T. Sandford	.. 46.7	.. 55.0	.. 38.4	1002	13
12	INVERCARGILL .. L. Lennie	.. 41.2	.. 49.5	.. 33.0	245	16
	* June, 1916	.. 55.1	.. 62.3	.. 47.9	421	12

SUMMARY FOR THE MONTH OF JULY, 1916.

The weather during July was extremely mild for a winter month, really cold conditions only being experienced during the last four days. However, dull skies were much in evidence, and the total rainfall was generally above the average, except on the west coast of the North Island, and about Foveaux Strait.

An atmospheric depression passing in the north was responsible for heavy rain on the 14th and 15th, while the heaviest day's rainfall in the South Island occurred chiefly between the 20th and 23rd, during the passage of an Antarctic disturbance.

D. C. BATES, Director.