

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of July, 1925. Observations taken 9 a.m.

Altitude of Observatory, 10 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	29.444	46.8	43.2	45.0	60.0	41.6	313	10	S.E.	49
2	29.437	55.3	46.1	50.7	56.0	45.6	196	10	N.E.	5
3	29.635	53.6	46.9	50.2	69.0	40.0	70	9	S.S.E.	4
4	29.785	55.1	48.4	51.7	77.0	46.5	342	10	S.S.E.	5
5	29.728	50.8	43.1	46.9	68.0	42.7	139	1	calm.	1
6	29.632	55.3	44.4	49.8	99.0	43.9	252	4	N.W.	21
7	29.561	57.5	49.1	53.3	104.0	46.2	283	9	N.W.	30
8	29.684	57.0	47.3	52.1	109.0	45.8	266	9	S.E.	22
9	29.853	49.4	42.0	45.7	66.0	39.8	401	9	S.E.	22
10	30.048	47.1	42.9	45.0	90.0	38.9	201	10	S.S.W.	..
11	30.114	46.7	35.1	40.9	74.0	27.0	43	3	calm.	12
12	30.256	51.9	40.4	46.1	98.0	39.2	267	9	S.S.E.	4
13	30.110	47.8	37.1	42.4	87.0	30.9	74	10	calm.	30
14	29.820	47.2	39.0	43.1	50.0	36.1	17	10	calm.	1
15	29.954	51.0	47.1	49.0	59.0	46.1	138	8	S.E.	trace.
16	30.223	55.8	45.2	50.5	77.0	42.2	190	8	S.E.	18
17	30.302	47.7	43.1	45.4	76.0	37.8	280	2	S.E.	..
18	30.405	50.9	32.3	41.6	99.0	24.0	46	2	N.E.	..
19	30.448	53.9	36.3	45.1	99.0	30.4	63	6	N.E.	..
20	30.240	53.1	44.5	48.8	107.0	39.9	208	9	N.W.	3
21	30.089	54.9	49.8	52.3	78.0	47.9	334	5	N.W.	39
22	29.696	57.0	51.6	54.3	97.0	49.4	301	10	N.E.	140
23	29.098	58.3	49.2	53.7	90.0	49.0	149	10	N.W.	27
24	29.101	56.1	47.9	52.0	99.0	42.2	236	10	N.W.	4
25	29.570	52.0	41.2	46.6	95.0	39.2	313	8	S.E.	..
26	29.640	54.3	40.2	47.2	98.0	40.0	135	0	calm.	..
27	29.962	57.0	35.1	46.0	101.0	25.2	116	5	N.N.W.	..
28	30.114	56.1	50.1	53.1	103.0	44.1	243	7	N.W.	..
29	30.260	60.8	51.9	56.3	116.0	48.8	278	9	N.N.W.	..
30	30.206	57.1	49.0	53.0	104.0	44.1	190	7	N.N.W.	..
31	30.143	59.2	41.1	50.1	113.0	32.3	110	7	N.N.W.	..
*	29.889	53.4	43.9	48.6	87.7	40.2	200	7.3	..	437
†	29.918	53.1	42.3	47.7	87.5	35.7	203	5.6	..	561

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
4	4	..	7	4	..	..	7	5

NOTE.—A cloudy and showery month with precipitation 22 per cent. below the mean of previous years. Total bright sunshine 100 hours 7 minutes, 34 per cent. of the possible, and seven sunless days. Fog occurred on the 13th and frost was recorded on the grass on five mornings. Mean earth temperature at 1 ft. was 47.3°, 50° at 3 ft. Mean dew-point, 43.1°; mean elastic force of vapour, 0.278 in.; and mean relative humidity, 81 per cent. of saturation.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM CHIEF STATIONS.  
July, 1925.

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).
			Max. Temp.	Min. Temp.		
Ft. 152	NORTH ISLAND. AUCKLAND ..	Deg. 51.6	Deg. 57.2	Deg. 46.0	Points. 417	20
131	RUAKURA FARM, HAMILTON EAST G. A. Holmes	47.7	58.9	36.4	599	16
46	TE AROHA .. C. E. Christensen	50.0	60.8	39.3	661	17
340	WAIHI .. C. F. Sims	47.8	57.7	37.9	910	17
100	TAURANGA .. C. J. Butcher	49.7	58.8	40.6	540	16
925	ROTORUA .. W. E. Penno	46.1	55.3	37.0	538	11
60	NEW PLYMOUTH .. G. H. Dolby	49.4	55.3	43.5	753	19
2080	TAIHAPE .. A. R. Fannin	42.4	48.3	36.5	243	18
100	PALMERSTON NORTH .. J. A. Colquhoun	47.9	55.0	40.8	216	16
8	TANGIMOANA .. R. A. Reid	47.0	56.8	37.2	247	11
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	47.3	55.4	39.3	337	14
5	NAPIER .. Chas. L. Thomas	48.4	55.9	41.0	515	16
377	MASTERTON .. R. Brown	46.0	53.9	38.2	419	20
186	GREYTOWN .. W. Allan	46.7	54.8	38.7	294	18
10	WELLINGTON ..	48.6	53.4	43.9	437	19
	SOUTH ISLAND.					
87	BRIGHTWATER .. Ven. Archdeacon Kempthorne	45.8	54.5	37.2	404	13
34	NELSON .. H. Harrison	46.5	54.7	38.3	494	17
1220	HANMER SPRINGS .. W. G. Morrison	40.2	48.4	32.1	595	9
25	CHRISTCHURCH .. H. F. Skey	43.4	50.5	36.3	298	15
42	LINCOLN .. M. J. Scott	43.8	50.7	37.0	237	7
1220	KISSELTON .. A. E. Young	44.8	51.5	38.1	489	14
349	RAKAIA .. Miss A. Hardy	42.8	50.6	35.1	317	11
1000	FAIRLIE .. W. Kinder	39.2	49.8	28.7	665	10
	LAKE TEKAPO .. T. S. Woods	..	..	..	..	..
180	TMARU .. Caretaker of Domain	42.6	49.3	35.9	423	11
200	WAIMATE .. F. Akhurst	42.8	50.4	35.2	598	14
1550	SANATORIUM, WAIPIATA Dr. A. Kidd	37.8	45.3	30.3	118	9
1000	OPHIB .. A. Don	34.7	42.4	27.0	126	8
300	DUNEDIN .. D. Tannock	44.1	49.9	38.3	599	15
245	GORE .. A. T. Newman	..	..	..	..	..
12	HOKITIKA .. J. A. Chesney	46.2	54.2	38.2	1380	19
12	INVERCARGILL .. P. W. Thomas	40.5	49.5	31.5	132	8

SUMMARY FOR THE MONTH OF JULY, 1925.

The stormy conditions which were prevalent during the last week of June continued in to July until the 10th, heavy rains and floods being experienced in the northern and East Coast districts. The Canterbury rivers also flooded, owing to the warm rains melting the recently fallen snow in the higher country.

Unsettled and wet weather also ruled between the 13th and 16th and the 21st and 25th. During the latter period an extensive disturbance held sway, with very low pressure in the South, and beneficial rains fell in Otago, where extremely dry weather had been experienced for some time.

Anticyclonic conditions and fair weather prevailed generally between the 10th and 13th, the 17th and 19th, and from the 26th to the close of the month.

The total rainfall was above the mean in the Bay of Plenty, Hawke's Bay, and Taranaki districts in the North Island, and in Westland and Canterbury in the South Island. Auckland and Wellington districts, as well as parts of Otago and the Central portion of the South Island, recorded a deficiency.

On the whole, the weather proved dull, mild, and humid, and in most parts of the Dominion there was more than the usual growth of grass for the time of the year.

D. C. BATES, Director.