

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of August, 1927. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	Max. Temperature in Shade.	Min. Temperature in Shade.	Mean Temperature in Shade.	Solar Radiation.	Terrestrial Radiation.	Velocity Wind, in Miles.	Amount of Cloud, 0 to 10.	Direction of Wind.	Rainfall, in Points (100 to 1 Inch).
1	29.892	49.2	46.0	47.6	62.0	41.9	243	10	S.S.E.	..
2	29.881	52.0	36.1	44.0	101.1	26.9	133	1	N.E.	..
3	29.764	55.3	45.2	50.2	102.0	36.2	163	9	N.	2
4	29.757	54.3	39.3	46.8	99.0	28.8	108	9	S.	13
5	29.917	52.6	38.7	45.6	100.0	29.0	86	1	N.	..
6	29.954	55.8	32.6	44.2	104.0	23.2	58	0	N.	103
7	29.601	55.1	47.0	51.0	108.8	45.3	361	9	N.N.W.	63
8	29.450	55.0	42.6	48.8	99.0	36.5	198	10	Calm	6
9	29.654	51.2	40.7	45.9	77.1	33.0	129	9	N.N.E.	1
10	29.731	52.0	41.3	46.6	100.0	34.8	93	8	N.	47
11	29.706	56.5	47.3	51.9	101.0	46.0	219	7	N.	13
12	29.620	57.0	45.4	51.2	112.0	39.8	217	7	Calm	86
13	29.788	54.2	43.3	48.7	79.1	43.0	203	10	S.S.E.	..
14	29.912	52.6	40.8	46.7	109.0	32.7	172	9	N.N.W.	37
15	29.934	53.3	46.8	50.0	90.0	42.2	288	6	N.	..
16	29.848	56.5	34.0	45.2	109.6	25.0	66	1	N.	2
17	29.609	55.0	45.5	50.2	109.0	43.8	321	3	N.W.	..
18	29.848	55.6	45.7	50.6	105.0	35.9	220	10	N.W.	44
19	29.540	56.0	45.4	50.7	109.5	45.0	329	10	S.E.	98
20	29.484	49.0	41.3	45.1	70.8	40.8	352	7	N.E.	Trace
21	29.410	51.3	46.8	49.0	84.1	47.8	112	9	N.	2
22	29.588	54.8	45.0	49.9	90.0	39.7	37	10	S.W.	14
23	29.772	54.9	45.6	50.2	81.1	43.8	40	10	N.E.	17
24	29.693	56.3	44.2	50.2	112.1	37.8	99	6	N.N.E.	81
25	29.601	57.2	45.0	51.1	109.9	40.9	161	10	S.S.W.	51
26	29.758	48.8	43.8	46.3	65.3	42.1	407	9	S.	11
27	30.009	51.7	41.2	46.4	109.3	37.2	303	7	S.S.E.	5
28	30.230	50.2	41.1	45.6	113.7	37.8	254	8	S.	Trace
29	30.164	51.9	31.2	41.5	112.6	22.0	67	2	Calm	6
30	29.819	57.5	45.0	51.2	109.2	40.2	75	10	N.	20
31	29.601	63.2	48.1	55.6	119.0	41.2	96	9	Calm	15
*	29.759	54.0	42.6	48.3	98.5	37.4	181	7.3	..	738
†	29.953	54.4	42.8	48.6	96.1	36.3	217	5.3	..	443

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
13	3	..	1	7	1	..	2	4

NOTE.—A wet and gloomy month, with precipitation 67 per cent. above the mean of previous years. Total bright sunshine, 128 hours 24 minutes, 39 per cent. of the possible, and three sunless days. Hail fell on the 26th and 27th and frost was recorded on the grass on six mornings. Mean earth temperature at 1 ft. was 47.3°, and at 3 ft., 49.6°. Mean dew-point, 42.2°; mean vapour pressure, 0.269 in.; and mean relative humidity, 80 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM CHIEF STATIONS.

August, 1927.

Altitude above Sea-level.	Name of Station and Observer.	Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with Rain (1 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
		Deg.	Deg.	Deg.	Points.	
152	NORTH ISLAND. AUCKLAND ..	51.3	57.0	45.7	696	26
131	RUAKURA FARM, HAMILTON EAST	48.1	59.3	36.8	681	19
211	A. Y. Montgomery MATAMATA ..	46.8	56.4	37.1	629	23
46	W. Halligan TE AROHA ..	49.9	59.0	40.9	691	20
340	C. E. Christensen WAIHI ..	48.1	57.1	39.2	1082	23
100	Wm. C. Morris TAURANGA ..	49.1	58.3	40.0	972	21
925	C. J. Butcher ROTORUA ..	46.1	54.6	37.6	760	19
60	W. E. Penno NEW PLYMOUTH ..	48.8	55.3	42.3	868	23
2080	G. H. Dolby TAIHAPE ..	42.4	48.4	36.4	322	21
100	A. R. Farrin PALMERSTON NORTH ..	48.4	55.4	41.5	488	20
8	J. A. Colquhoun TANGIMOANA ..	47.8	55.9	39.8	366	18
119	T. E. Stringer CENTRAL DEVELOPMENT FARM, WERAROA ..	48.1	55.2	41.1	366	19
5	J. E. Sharp NAPIER ..	48.6	56.0	40.7	215	13
377	Chas. L. Thomas MASTERTON ..	46.5	54.6	38.4	454	19
186	R. Brown GREYTOWN ..	46.6	55.2	38.1	503	21
10	W. Allan WELLINGTON ..	46.6	55.2	38.1	503	21
		48.3	54.0	42.6	738	23
		46.3	54.8	37.8	672	9
		45.7	53.6	37.9	540	18
11	SOUTH ISLAND. TAKAKA, NELSON ..	46.3	54.8	37.8	672	9
34	J. H. Scott NELSON ..	45.7	53.6	37.9	540	18
1220	H. D. McKellar BALMORAL, CULVERDEN ..	41.4	49.7	33.2	259	10
25	HANMER SPRINGS ..	39.3	48.0	30.7	737	12
42	W. Montgomery CHRISTCHURCH ..	43.1	49.7	36.6	271	15
1220	H. F. Skey LINCOLN ..	43.1	49.7	36.6	271	15
349	D. J. Sidey LAKE COLERIDGE ..	48.1	62.0	34.3	330	14
323	E. T. Cockburn RAKAIA ..	42.4	50.6	34.3	378	14
1000	Miss A. Hardy ASHBURTON ..	41.5	49.5	33.4	233	17
2350	H. P. Clayton FAIRLIE ..	38.6	49.1	28.2	153	7
130	R. J. Rainey LAKE TEKAPO ..	35.1	43.9	26.2	64	3
200	R. R. Beauchamp TIMARU ..	42.6	50.2	35.0	131	11
1550	Chrestaker of Domain WAIMATE ..	42.3	50.5	34.2	118	12
1000	F. Akhurst SANATORIUM, WAIPIATA ..	38.0	46.0	30.1	165	17
300	Dr. A. Kidd OPHIR ..	38.0	47.9	28.2	71	8
245	Rev. A. Don DUNEDIN ..	43.6	50.0	37.2	402	18
12	D. Tannock GORE
12	A. T. Newman HOKITIKA ..	45.5	54.3	36.7	728	16
12	J. A. Chesney INVERCARGILL ..	42.6	50.8	34.4	164	16
	L. Lennie					

SUMMARY FOR THE MONTH OF AUGUST, 1927.

The outstanding meteorological feature of August was the frequency with which cyclones passed over or in close proximity to the Dominion, while well-defined high-pressure systems were conspicuous by their absence. From the 10th to the close of the month there was practically a succession of these cyclones, but, with the exception of one which ruled between the 18th and 21st, they were of a shallow type, accompanied by much rain but little wind. On the 18th and 19th, while the centre of the intense disturbance mentioned was passing over the North Island, particularly stormy conditions and heavy rain were experienced in the North Island and on the East Coast of the South.

Except in the Gisborne and Napier districts in the North Island, and the western, central, and southernmost portions of the South, both the aggregate month's rainfall and number of wet days were above the average.

The general character of the month may be described as dull and moist with an absence of strong winds.

Although frosts were frequent, there were few damaging ones, and conditions generally were favourable to a fair growth of grass, and cattle and sheep in consequence have thrived.

EDWARD KIDSON, Director.