

Government Meteorological Observatory.

METEOROLOGICAL Observations. Wellington, for the month of August, 1922. 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	30.093	55.9	41.7	48.8	104.0	33.8	239	9	S.	..
2	30.024	51.9	31.7	41.8	93.0	21.0	95	1	N.	..
3	29.618	53.1	45.1	49.1	113.0	39.3	260	8	N.W.	4
4	29.831	60.0	39.8	49.9	114.0	33.5	164	10	S.	..
5	29.972	52.0	39.7	45.8	113.0	26.6	138	0	N.	..
6	29.745	56.5	48.0	52.2	106.0	41.0	216	1	N.	5
7	30.012	61.0	38.0	49.5	115.0	27.5	208	7	N.	..
8	30.005	53.0	36.6	44.8	104.0	25.5	126	0	N.	..
9	29.903	57.9	50.3	54.1	107.0	42.2	350	10	W.N.W.	..
10	30.013	56.6	49.9	53.2	91.0	36.5	246	3	N.W.	..
11	30.249	61.0	45.7	53.3	109.0	33.1	85	10	N.	..
12	30.313	59.1	49.1	54.1	108.0	48.3	259	10	N.W.	..
13	30.163	58.8	53.0	55.9	107.0	44.5	293	4	N.	21
14	29.756	59.3	54.9	57.1	117.0	40.6	180	10	N.	8
15	29.633	58.6	52.8	55.7	73.0	46.0	261	8	N.	4
16	29.694	58.1	49.2	53.6	98.0	43.7	220	10	S.	4
17	29.858	53.0	46.2	49.6	70.0	40.2	71	10	Calm	Trace
18	29.790	55.4	42.3	48.8	91.0	30.5	95	8	N.	58
19	29.640	57.9	48.3	53.1	102.0	43.0	267	3	N.W.	31
20	29.635	59.2	49.4	54.3	114.0	45.0	272	6	N.W.	25
21	29.525	60.0	48.6	54.3	113.0	45.0	139	9	S.	56
22	29.610	60.0	45.1	52.5	107.0	43.8	153	10	S.	4
23	29.702	51.2	45.6	48.4	87.0	39.0	268	6	S.	..
24	29.993	53.2	44.2	48.7	104.0	40.5	417	10	S.	..
25	30.154	50.0	38.0	44.0	96.0	26.0	273	5	E.	..
26	30.172	54.1	38.0	46.0	117.0	28.9	82	2	N.	..
27	30.150	59.0	31.3	45.1	113.0	19.0	48	0	Calm	..
28	30.217	61.1	33.5	47.3	109.0	21.9	29	1	N.	10
29	30.263	57.3	45.0	51.1	106.0	39.2	70	6	N.	..
30	30.367	57.0	35.5	46.2	116.0	24.8	44	2	N.	..
31	30.387	59.7	33.0	46.3	113.0	21.8	39	3	E.N.E.	..
*	29.952	56.8	43.5	50.1	104.2	35.2	181	5.9	..	230
†	29.953	54.4	42.8	48.6	96.1	36.3	217	5.3	..	444

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
14	..	2	..	7	..	1	5	2

NOTE.—The weather during August was of a changeable nature with light to moderate northerly winds prevailing, while precipitation, which was 48 per cent. below the mean of previous years, occurred on twelve days. Total bright sunshine was 164 hours 17 minutes, 51 per cent. of the possible, and two sunless days. Frost was recorded on the grass on eleven mornings, the lowest reading being 19° on the 27th. Hail fell on the 15th. Mean earth-temperature at 1 ft. was 48.7°, and 50.9° at 3 ft. Mean dew-point, 42.5°; mean elastic force of vapour, 0.272 in.; and mean relative humidity, 75 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

August, 1922.

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 (4 Points or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND F. A. F. Burnett	Deg. 52.9	Deg. 59.2	Deg. 46.6	Points. 253	Dys. 20
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	51.1	60.3	41.9	445	13
46	TE AROHA .. G. F. McGirr	50.6	59.5	41.7	362	18
340	WAIHI .. C. F. Sims	49.0	59.0	39.0	406	18
100	TAURANGA .. C. J. Butcher	49.9	59.7	40.0	343	14
925	ROTORUA .. W. E. Penno	49.4	57.4	41.5	975	14
..	NEW PLYMOUTH .. G. H. Dolby	50.2	57.1	43.4	589	20
250	MOUMAHAKI .. J. G. McFarlane	46.1	53.1	39.1	534	19
2080	TAIHAPE .. A. R. Fannin	43.3	50.0	36.6	314	22
100	PALMERSTON NORTH .. J. A. Colquhoun	48.1	56.3	40.0	544	15
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	47.3	55.5	39.1	438	15
70	GREENMEADOWS, NA- PIER	50.2	59.5	40.9	61	8
377	MASTERTON .. R. Brown	46.7	57.6	35.9	216	14
186	GRUYTOWN .. J. P. Eccleton	46.4	56.9	36.0	224	12
..	MILITARY HOSPITAL, TRENTHAM Miss E. Hooper	46.3	56.0	36.6	290	16
10	WELLINGTON ..	50.1	56.8	43.5	230	12
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	47.7	54.9	40.6	372	13
34	NELSON .. Wm. C. Davies	47.5	55.9	39.1	308	15
1220	HANMER SPRINGS .. W. G. Morrison	41.7	53.3	30.2	115	5
25	CHRISTCHURCH .. H. F. Skey	44.6	52.0	37.2	106	10
42	LINCOLN .. M. J. Scott	44.8	54.0	35.7	82	6
1220	KISSELTON .. A. R. Blackwood	43.0	53.9	32.2	108	7
..	RAKAI .. Miss A. Hardy	43.5	52.3	34.7	47	7
130	TIMARU .. Caretaker of Domain	43.4	50.5	36.3	50	8
200	WAIMATE .. F. Akhurst	43.4	51.4	35.4	74	10
300	DUNEDIN .. D. Tannock	45.8	51.4	40.2	243	16
245	GORE .. A. T. Newman	43.6	52.4	34.8	305	15
12	HOKITIKA .. J. A. Chesney	46.8	54.8	38.9	1256	22
12	INVERCARGILL. L. Lennie	45.1	52.2	38.0	347	21

SUMMARY FOR THE MONTH OF AUGUST, 1922.

The weather during August was of a changeable character, being dominated chiefly by disturbances of a westerly type with lowest pressure moving from west to east southward of the Dominion. Of these depressions the most notable was one which persisted between the 14th and 25th and, although not of remarkable intensity, it accounted for unsettled and, at times, boisterous conditions. Most of the rainfall occurred during this period, and in the west coast districts of both Islands some heavy downpours brought the total for the month in excess of the average. In all other parts of the Dominion the aggregate rainfall was below the mean of previous years, and in the East Coast provinces the weather might be described as dry and calm generally, with mild days but cold nights. Frosts were numerous and severe in many parts.

D. C. BATES, Director.