

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of August, 1923. 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.				
1	30.481	Fah. 51.9	Fah. 40.5	Fah. 46.2	Fah. 101.0	Fah. 29.2	123	10	S.	1
2	30.492	49.5	36.1	42.8	88.0	25.5	148	8	Calm	..
3	30.311	53.3	31.2	42.2	104.0	21.0	15	0	Calm	4
4	29.886	55.8	38.3	47.0	105.0	27.6	98	10	N.	42
5	29.664	54.2	47.5	50.8	94.0	41.2	153	6	N.E.	..
6	29.803	56.8	36.3	46.5	112.0	27.3	168	5	N.	Trace
7	30.262	56.0	42.0	49.0	107.0	31.9	338	8	S.	2
8	30.443	46.8	30.7	38.7	83.0	18.9	151	1	Calm	..
9	30.366	52.2	30.0	41.1	106.0	18.7	45	3	Calm	..
10	30.060	51.9	39.6	45.7	100.0	36.5	99	10	S.	40
11	30.105	52.9	46.3	49.6	90.0	42.9	408	8	S.	11
12	30.237	54.8	44.0	49.4	88.0	40.0	372	8	S.	..
13	30.188	55.0	37.3	46.1	119.0	29.5	112	4	E.S.E.	..
14	30.040	55.4	35.5	45.4	119.0	27.2	77	1	E.N.E.	..
15	29.833	57.0	33.6	45.3	114.0	25.6	65	9	N.	16
16	29.616	58.2	48.5	53.3	111.0	46.1	345	8	N.N.W.	1
17	29.862	55.8	45.2	50.5	112.0	33.5	280	2	N.W.	1
18	29.966	56.0	44.0	50.0	111.0	34.5	260	3	S.	..
19	29.913	56.8	32.2	44.5	110.0	22.0	55	1	N.E.	2
20	29.546	53.0	42.5	47.7	110.0	35.5	288	10	S.	1
21	29.713	48.2	37.1	42.6	103.0	25.7	275	10	S.W.	67
22	30.158	46.8	39.3	43.0	89.0	37.7	530	6	S.	..
23	29.911	52.6	33.8	43.2	105.0	24.0	73	0	E.	8
24	30.033	56.0	43.5	49.7	113.0	31.1	202	9	S.S.E.	85
25	30.295	49.3	42.0	45.6	95.0	39.5	399	3	S.	Trace
26	30.289	51.6	30.0	40.8	110.0	19.2	106	0	Calm	..
27	30.249	57.2	41.9	49.5	110.0	31.8	118	0	N.E.	..
28	30.273	55.3	36.3	45.8	110.0	25.2	98	4	N.	..
29	30.189	56.0	43.2	49.6	113.0	32.5	186	0	N.	..
30	30.088	57.9	48.7	53.3	118.0	38.1	258	1	N.	..
31	30.037	60.9	51.9	56.4	114.0	47.0	427	6	N.W.	64
*	30.074	54.0	39.6	46.8	105.3	31.2	202.3	5.0	..	345
†	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.
7	3	3	..	10	1	..	2	5

NOTE.—The weather during the month has been cold and changeable with precipitation and temperatures below the mean of previous years, while the sunshine was 29 per cent. above the average. Total bright sunshine, 180 hours 42 minutes, 56 per cent. of the possible, and two sunless days. Hail fell on the 20th and 24th, and frost was recorded on the grass on eighteen mornings. Mean earth-temperature at 1 ft. was 44.7°, and 48.4° at 3 ft. Mean dew-point, 38.9°; mean elastic force of vapour, 0.235 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

August, 1923.

Ft.	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.		
125	NORTH ISLAND. AUCKLAND ..	Deg. 50.1	Deg. 56.1	Deg. 44.1	Points. 319	21
131	RUAKURA FARM, HAMILTON EAST	..	..	..	..	..
46	Te AROHA ..	48.9	58.8	39.1	420	12
340	WAIHI ..	47.3	57.9	36.7	529	16
100	TAURANGA ..	48.5	57.7	39.4	321	14
925	ROTORUA ..	45.4	55.1	35.8	229	11
60	NEW PLYMOUTH ..	48.0	55.4	40.7	320	13
250	MOUMAHAKI ..	44.9	53.5	36.3	212	10
2080	TAIHAPE ..	40.7	46.7	34.7	226	19
100	PALMERSTON NORTH ..	..	..	..	..	..
5	OROUA DOWNS ..	45.2	54.3	36.1	167	8
119	CENTRAL DEVELOPMENT FARM, WERAROA	44.9	53.4	36.5	166	6
377	MASTERTON ..	44.4	53.3	35.6	362	14
186	GREYTOWN ..	44.9	54.1	35.7	371	15
10	WELLINGTON ..	46.8	54.0	39.6	345	15
87	SOUTH ISLAND. BRIGHTWATER ..	43.4	54.2	32.6	197	9
34	NELSON ..	44.9	55.3	34.5	195	9
1220	HANMER SPRINGS ..	39.5	49.4	29.7	192	7
25	CHRISTCHURCH ..	43.0	52.0	34.0	152	7
42	LINCOLN ..	44.0	53.6	34.4	128	8
1220	KISSELTON ..	40.4	52.7	28.2	362	8
349	RAKAIA ..	43.7	54.0	33.5	112	6
130	TIMARU ..	43.7	53.8	33.6	48	5
200	WAIMATE ..	43.1	53.0	33.2	112	8
300	DUNEDIN ..	46.3	53.6	39.0	158	9
245	GORE ..	..	..	..	..	..
12	HOKITIKA ..	43.2	52.6	33.9	663	13
12	INVERCARGILL ..	42.7	51.7	33.7	413	14

SUMMARY FOR THE MONTH OF AUGUST, 1923.

In nearly all parts of the Dominion the total month's rainfall was considerably below the average, the only portions having an excess being along the east coast between East Cape and Cape Palliser and the south-west corner of Otago.

Southerly winds predominated, but they usually accounted for only light rainfall in spite of the number of atmospheric depressions which passed over or within effective range of the country.

The weather during the month was changeable, and cold frosty nights were frequently experienced. Sunshine, however, was more prevalent than during the two preceding winter months, owing to several anticyclones which ruled.

Three westerly disturbances occurred during the month, the longest influencing weather conditions for about ten days from the 13th. A southerly gale on the 21st and 22nd was particularly severe along the east coast of the South Island and about Cook Strait.

Ex-tropical disturbances passed in the North on the 10th and 24th, and the former accounted for heavy rain on the east coast of the North Island between the 10th and 12th.

Some further snowfalls occurred on the high country of the South Island, but warm winds and rain during the last few days were responsible for considerable thawing and a consequent rising in many of the rivers and creeks in the South.

D. C. BATES, Director.