

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of August, 1918. Observations taken 9 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.	Amount of Cloud, 0 to 10.	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	29.768	Fah. 56.3	Fah. 35.6	Fah. 45.9	Fah. 105.0	24.0	258	6 WNW	..	
2	29.757	55.3	45.9	50.6	99.0	36.4	263	7 Calm	..	
3	29.777	62.7	46.5	54.6	112.0	37.6	158	9 N.W.	..	
4	29.746	60.8	36.5	48.6	113.0	27.0	191	1 N.	32	
5	29.910	57.2	40.3	48.7	111.0	38.7	358	1 SSW	..	
6	29.904	49.6	32.1	40.8	102.0	21.4	302	8 N.W.	3	
7	29.730	54.7	49.0	51.8	107.0	47.7	518	10 N.W.	125	
8	29.173	58.0	51.7	54.8	107.0	48.6	468	10 N.	55	
9	29.499	58.7	42.3	50.5	100.0	40.0	456	10 S.	31	
10	29.938	45.6	39.2	42.4	72.0	35.0	413	8 S.	..	
11	30.044	50.0	30.5	40.2	114.0	20.6	44	0 Calm	..	
12	29.853	52.5	33.0	42.7	103.0	25.2	72	3 N.	..	
13	29.481	53.2	47.4	50.3	114.0	44.7	315	8 N.	19	
14	29.074	54.7	46.3	50.5	117.0	42.5	404	8 N.W.	2	
15	29.710	54.0	33.1	43.5	109.0	22.3	83	3 Calm	..	
16	30.262	51.3	31.8	41.5	108.0	21.6	119	0 N.	..	
17	30.287	53.6	45.3	49.4	108.0	42.6	237	1 N.	..	
18	30.415	52.0	33.8	42.9	112.0	23.2	68	0 Calm	..	
19	30.164	57.0	47.5	52.2	110.0	42.8	260	9 N.W.	3	
20	30.120	54.5	50.2	52.3	115.0	47.3	476	1 N.	2	
21	30.419	60.7	39.8	50.2	124.0	30.4	98	0 E.	..	
22	30.291	57.3	50.4	53.8	112.0	46.4	332	7 N.	..	
23	30.192	54.8	50.9	52.8	117.0	47.3	499	6 N.	..	
24	30.066	56.6	52.4	54.5	116.0	49.4	354	9 N.	Trace	
25	29.940	56.7	50.1	53.4	105.0	45.1	226	8 NNE	32	
26	29.974	57.3	48.4	52.8	104.0	43.8	161	10 S.E.	8	
27	29.875	50.4	48.0	49.2	59.0	46.6	395	10 S.	38	
28	30.001	51.2	47.2	49.2	76.0	46.3	456	10 S.	1	
29	30.186	50.7	47.5	49.1	72.0	45.2	344	10 S.	..	
30	30.162	53.3	41.9	47.6	99.0	30.1	118	4 N.	..	
31	30.075	60.7	48.8	54.7	115.0	39.3	140	7 N.W.	..	
*	29.929	54.9	43.3	49.1	104.4	37.4	280	5.9	.. 351	
†	29.948	54.2	42.7	48.4	94.9	35.7	215 457	

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
12	..	1	1	6	..	1	6	4

NOTE.—Precipitation for the month was greatest between the 4th and the 9th, the weather during the rest of the month being bright and sunny, with moderate to strong north and north-west winds prevailing. Total bright sunshine, 149 hours 25 minutes, and four sunless days. Frost was recorded on the grass on ten mornings. Earth-temperatures during the month rose at 1 ft. from 43.7° to 50.9°, and at 3 ft. from 46.3° to 50.8°, while the mean at the former was 47.5°, and 48.5° at the latter depth. Mean dew-point, 41.7°; mean elastic force of vapour, 0.264 in.; and mean relative humidity, 75 per cent. of saturation.

SUMMARY FOR THE MONTH OF AUGUST, 1918.

During the first half of August cold, unsettled, and at times stormy weather prevailed, but afterwards conditions improved, and fair, mild, and springlike weather was generally experienced.

From the 1st until the 7th an extensive westerly area of low pressure held sway, and strong and squally westerly winds predominated.

This was followed by a cyclone the centre of which passed in the neighbourhood of Cook Strait on the night of the 8th. Heavy rain fell about this time, especially in and southward of Cook Strait, and many of the high-level stations reported considerable snowfall.

On the 13th an intense westerly disturbance enveloped the Dominion, accounting for stormy weather on the 13th and 14th. By the 15th it had passed eastward of the Chatham Islands, and was followed by an anticyclone which brought a change to more settled conditions.

From the latter date until the close of the month high atmospheric pressure ruled except on the 19th and 27th, when minor depressions passed in the south and north respectively.

D. C. BATES, Director.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

August, 1918.

Altitude above Sea-level.	Name of Station and Observer.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with Rain (4 Point or more)
		Absolute Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND ..	Deg. 51.7	Deg. 57.6	Deg. 45.9	Points. 352	Dys. 24
46	F. A. F. Burnett TE AROHA ..	49.2	60.3	38.2	192	9
925	G. F. McGirr ROTORUA ..	47.2	56.1	38.4	249	13
340	W. Penno WAIHI ..	49.0	59.0	39.0	611	18
..	P. A. Clifford TAURANGA ..	48.7	58.6	38.8	192	8
160	C. J. Butcher NEW PLYMOUTH ..	50.6	57.7	43.6	446	23
250	W. W. Smith MOUMAHAKI ..	47.8	55.7	40.0	301	13
2080	T. W. Lonsdale TAIHAPE ..	42.4	48.1	36.7	275	15
100	A. R. Fannin PALMERSTON NORTH ..	47.8	55.5	40.1	276	13
186	J. E. Vernon GREYTOWN ..	47.8	57.9	37.8	422	14
377	W. C. Davies MASTERTON ..	47.7	57.7	37.8	370	12
70	Wm. Hood GREENMEADOWS, NAPIER ..	50.2	59.0	41.3	236	9
..	T. B. McBreen TRENTHAM MILITARY CAMP ..	47.2	55.5	39.0	267	12
10	Lieut.-Col. Leahy WELLINGTON ..	49.1	54.9	43.3	351	13
..	SOUTH ISLAND. BRIGHTWATER ..	47.1	57.2	37.0	412	7
34	Ven. Archdeacon Kempthorne NELSON ..	47.8	56.0	39.7	405	8
1220	J. R. Dart HANMER SPA ..	42.8	51.2	34.5	411	10
25	Miss M. Stewart CHRISTCHURCH ..	44.6	53.5	35.8	143	11
42	H. F. Skey LINCOLN ..	45.2	54.8	35.6	163	10
1220	L. J. Wild KISSILTON ..	42.5	50.5	34.6	369	9
..	A. R. Blackwood RAKAIA ..	42.9	53.6	34.3	207	7
130	Miss A. Hardy TIMARU ..	45.3	54.9	35.7	285	8
200	Caretaker of Domain WAIMATE ..	44.2	53.3	35.2	294	10
300	F. Akhurst DUNEDIN ..	44.6	50.8	38.4	312	13
245	D. Tannock GORE ..	42.0	49.5	34.5	295	19
12	H. Dolamore HOKITIKA ..	45.1	52.6	37.6	1352	16
12	W. H. Fleming INVERCARGILL ..	44.1	51.4	36.9	433	19
..	L. Lennie					