

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of August, 1920. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 45°.	From Self-regulating 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.	Velos. Wind, in Miles.			
1	30-437	54-8	46-8	50-8	109-0	43-1	336	8	N.N.E.	..
2	30-086	55-0	52-1	53-5	90-0	49-1	565	10	N.W.	14
3	29-854	57-5	51-8	54-6	77-0	48-7	538	8	N.W.	43
4	29-918	56-8	48-2	52-5	108-0	43-2	266	9	W.	54
5	20-970	50-7	43-1	46-9	70-0	38-8	209	10	S.W.	6
6	29-988	50-3	40-3	45-3	92-0	31-9	54	10	Calm	40
7	29-398	49-9	43-6	46-7	93-0	42-0	111	10	Calm	25
8	29-504	53-5	45-7	49-6	66-0	36-4	46	10	S.	10
9	29-972	51-8	45-0	48-4	75-0	41-8	505	10	S.S.W.	5
10	30-098	48-0	41-2	44-6	100-0	37-6	392	4	S.	5
11	29-992	51-0	32-9	41-9	110-0	23-4	114	7	Calm	16
12	29-535	51-0	42-2	46-6	90-0	36-9	12	10	E.	4
13	29-424	57-8	45-8	51-8	109-0	44-3	367	10	S.S.W.	28
14	29-868	46-6	40-4	43-5	81-0	38-4	618	6	S.S.E.	40
15	30-029	45-8	39-8	42-8	88-0	37-1	358	6	S.	21
16	30-191	47-7	40-6	44-1	102-0	37-9	419	10	S.S.E.	30
17	30-145	48-3	40-0	44-1	109-0	34-1	237	8	Calm	5
18	30-020	49-6	30-2	39-9	101-0	19-1	59	0	Calm	1
19	30-042	51-5	35-8	43-6	104-0	23-5	124	8	S.S.W.	1
20	29-993	50-4	36-6	43-5	108-0	25-4	216	8	S.	10
21	30-053	49-5	38-7	44-1	106-0	34-6	459	5	S.E.	7
22	30-119	47-8	31-9	39-8	106-0	21-5	219	1	N.E.	..
23	29-974	49-8	36-2	43-0	108-0	28-7	144	0	N.E.	..
24	29-886	54-0	47-1	50-5	106-0	42-0	290	4	N.N.W.	..
25	29-920	56-1	45-3	50-7	114-0	35-6	231	0	N.E.	31
26	29-167	60-4	49-3	54-8	116-9	48-0	341	3	N.N.W.	52
27	29-188	55-5	46-7	51-1	107-0	44-8	569	10	S.S.W.	23
28	29-802	47-6	36-3	41-9	71-0	25-1	276	9	N.	3
29	29-954	53-2	43-8	48-5	116-0	35-9	138	8	N.E.	..
30	30-124	56-9	36-5	46-7	104-0	25-0	50	6	Calm	4
31	30-382	56-8	43-0	49-9	115-0	41-0	301	8	S.	Trace
*	29-904	52-1	41-8	46-9	98-4	36-0	276-3	6-9	..	473
†	29-948	54-4	42-8	48-6	94-9	35-7	215	446

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
4	4	1	1	11	1	1	2	6

NOTE.—The weather during the month has been cold and showery, with moderate to strong southerly winds prevailing. Rainfall was recorded on twenty-four days, and was 6 per cent. above the mean of previous years. Total bright sunshine, 123 hours 6 minutes, and four sunless days. Frost was recorded on the grass on nine days. Mean earth-temperature at 1 ft. was 46-4°, and 49° at 3 ft. Mean dew-point, 41-9°; mean elastic force of vapour, 0-266 in.; and mean relative humidity, 82 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

August, 1920.

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 Point or more.)
			Mean Max. Temp.	Mean Min. Temp.		
Ft. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 51-7	Deg. 57-3	Deg. 46-1	Points. 600	Dys. 19
46	TE AROHA .. G. F. McGirr	49-3	57-8	40-8	520	14
925	ROTORUA .. L. Bayfield	47-7	58-0	37-4	580	11
340	WAIHI .. P. A. Clifford	47-5	56-4	38-7	958	21
..	TAURANGA .. C. J. Butcher	48-2	57-6	38-8	736	18
160	NEW PLYMOUTH .. W. W. Smith	48-5	56-2	40-9	505	13
250	MOUMAHAKI .. J. G. McFarlane	46-8	55-3	38-4	454	16
2080	TAIHAPE .. A. R. Fanning	41-6	47-9	35-4	207	17
100	PALMERSTON NORTH .. J. A. Colquhoun	44-5	52-5	36-5	263	14
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	46-2	54-6	37-8	471	14
186	GREYTOWN .. T. W. Bowman
377	MASTERTON .. R. Brown	45-1	53-7	36-5	369	22
70	GREENMEADOWS, NAPIER .. T. B. McBreen	47-6	55-5	39-8	293	11
..	TRENTHAM MILITARY HOSPITAL	43-8	50-4	37-3	530	16
10	WELLINGTON .. Ven. Archdeacon Kempthorne	46-9	52-1	41-8	473	24
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	45-9	56-0	35-8	411	11
34	NELSON .. J. Williams	46-5	53-9	39-2	532	11
1220	HANMER SPA .. G. J. O'Brien	38-1	48-3	28-0	474	12
25	CHRISTCHURCH .. H. F. Skey	4-22	49-4	35-1	212	14
42	LINCOLN .. L. J. Wild	43-3	51-9	34-8	255	13
1220	KISSELTON .. A. R. Blackwood	39-5	47-3	31-7	468	9
..	RAKAIA .. Miss A. Hardy	41-7	50-1	33-3	360	11
130	TIMARU .. Caretaker of Domain	42-6	50-8	34-5	431	11
200	WAIMATE .. F. Akhurst	41-8	49-4	34-3	432	13
300	DUNEDIN .. D. Tannock	42-4	48-0	36-9	421	22
245	GORE .. A. T. Newman	38-1	36-9	29-4	122	17
12	HOKITIKA .. J. A. Chesney	45-2	53-9	36-5	1339	13
12	INVERCARGILL .. L. Lennie	40-5	48-9	32-2	237	18
	TRENTHAM MILITARY HOSPITAL	(April, 1919)			156	6
		(May, 1919)			231	9

SUMMARY FOR THE MONTH OF AUGUST, 1920.

August was generally cold and unsettled, being more wintry in character than the two previous months. The most severe storm was the result of an intense westerly low-pressure area, the trough of which passed on the 26th, the barometer reading on that date at the Bluff being as low as 28-54 inches. West to south-west gales were experienced about this time, and very heavy seas occurred on the West Coast of the South Island. Minor disturbances of both antarctic and tropical origin were frequent during the month. Rainfall, in consequence, was above the average over most of the South Island and in all but the middle districts of the North.

D. C. BATES, Director.