

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of September, 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.	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, 0 to 10.	Amount of Cloud, 0 to 10.		
1	30-190	Fah. 56.2	Fah. 42.8	Fah. 49.5	Fah. 110.0	32.5	151	10	SSE	6
2	30-150	57.0	46.6	51.8	124.0	41.0	89	10	ESE	7
3	30-112	52.4	47.4	49.9	85.0	39.0	11	8	Calm	1
4	30-062	59.2	49.2	54.2	101.0	38.2	92	3	NNW	..
5	29-964	58.7	51.2	54.9	115.0	46.0	257	7	N.W.	30
6	29-646	57.0	52.9	54.9	112.0	50.1	487	10	N.W.	79
7	29-781	55.9	44.0	49.9	71.0	42.3	430	10	SSE	12
8	30-200	48.7	41.8	45.2	108.0	37.6	532	8	SSE	9
9	30-326	51.3	41.1	46.2	116.0	34.0	192	9	S.	Trace
10	30-325	53.3	46.0	49.6	115.0	40.0	215	9	ENE	..
11	30-196	55.3	36.2	45.7	123.0	24.5	63	4	N.	..
12	30-128	57.5	43.3	50.4	118.0	30.0	152	5	Calm	..
13	30-353	60.3	42.6	51.4	117.0	30.2	67	4	N.	..
14	30-365	58.4	45.2	51.8	121.0	32.1	169	7	N.	..
15	30-218	56.8	50.9	53.8	128.0	45.1	421	3	N.W.	..
16	30-130	58.3	52.2	55.2	122.0	47.8	449	8	NNW	..
17	29-930	59.0	54.3	56.6	122.0	51.8	614	8	N.W.	42
18	29-618	58.6	45.0	51.8	114.0	42.8	448	8	S.E.	68
19	30-423	58.2	36.6	47.4	131.0	34.2	417	10	S.	..
20	30-247	51.0	37.0	44.0	115.0	27.0	223	1	N.W.	..
21	29-973	55.6	50.1	52.8	114.0	46.8	396	9	N.W.	18
22	29-685	56.5	49.8	53.1	105.0	48.0	521	10	S.	2
23	29-866	53.5	43.9	48.7	93.0	34.1	145	9	S.	..
24	30-082	53.4	40.0	46.7	122.0	31.2	180	9	Calm	..
25	29-681	57.0	47.1	52.0	120.0	40.9	190	5	N.W.	64
26	29-822	56.6	43.3	49.9	129.0	31.6	222	0	N.W.	..
27	30-180	62.8	42.2	52.5	124.0	31.3	172	4	N.E.	..
28	30-031	57.3	50.5	53.9	123.0	45.2	287	8	N.	..
29	30-186	58.0	54.0	56.0	122.0	51.0	452	9	N.	4
30	30-105	59.2	53.2	56.2	124.0	51.3	436	10	N.W.	9
*	30-066	56.4	46.0	51.2	114.8	39.2	283	7.2	..	351
†	29-925	57.3	45.4	51.5	104.5	38.4	244	..	..	414

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
7	1	2	1	7	..	..	9	3

NOTE.—The weather during the month has been cloudy and showery, with precipitation below the mean of previous years. Total bright sunshine, 148 hours 32 minutes, and three sunless days. Thunderstorm, with hail, on the 18th. Mean earth-temperature at 1 ft. was 51.6°, and 52° at 3 ft. Mean dew-point, 44.3°; mean elastic force of vapour, 0.292 in.; and mean relative humidity, 78 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

September, 1918.

Ft.	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.		
125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 53.0	Deg. 58.9	Deg. 47.1	Points. 256	Dys. 15
46	TE AROHA .. G. F. McGirr	52.2	61.9	42.5	327	14
925	ROTORUA .. W. Penno	51.2	58.6	43.8	218	9
340	WAIHI .. P. A. Clifford	50.7	60.4	41.1	312	14
..	TAURANGA .. C. J. Butcher	50.0	60.3	39.7	352	11
160	NEW PLYMOUTH .. W. W. Smith	50.3	58.5	42.1	524	17
250	MOUMAHAKI .. T. W. Lonsdale	49.9	57.6	42.3	512	12
2080	TAIHAPE .. A. R. Fannin	44.7	51.5	37.9	253	17
100	PALMERSTON NORTH .. J. E. Vernon	49.8	57.1	42.6	347	11
186	GREYTOWN .. W. C. Davies	49.4	59.5	39.4	328	14
377	MASTERTON .. Wm. Hood	49.4	60.6	38.3	377	15
70	GREENMEADOWS, NA-PIER	52.6	61.3	44.0	117	7
..	TRENTHAM MILITARY CAMP	49.6	57.7	41.6	484	15
10	WELLINGTON .. Lieut.-Col. Leahy	51.2	56.4	46.0	351	14
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	49.5	60.1	39.0	235	8
34	NELSON .. J. R. Dart	49.7	59.4	40.0	289	10
1220	HANMER SPA .. Miss M. Stewart	47.1	56.5	37.7	210	8
25	CHRISTCHURCH .. H. F. Skey	49.1	59.3	38.9	93	9
42	LINCOLN .. L. J. Wild	47.6	57.3	37.9	181	9
1220	KISSELTON .. A. R. Blackwood	47.6	56.5	38.7	396	7
..	RAKAIA .. Miss A. Hardy	48.2	58.5	37.9	188	6
130	TIMARU .. Caretaker of Domain	49.5	60.3	38.7	163	5
200	WAIMATE .. F. Akhurst	47.3	57.2	37.5	197	7
300	DUNEDIN .. D. Tannock	47.5	54.3	40.8	275	13
245	GORE .. H. Dolamore	45.9	54.6	37.3	314	14
12	HOKITIKA .. W. H. Fleming	48.7	55.6	41.9	1033	20
12	INVERCARGILL .. L. Lennie	47.5	55.8	39.2	408	19

SUMMARY FOR THE MONTH OF SEPTEMBER, 1918.

The changeable weather of September was typical of Spring, but, unfortunately, cold winds and sharp frosts were somewhat frequent, and in consequence the growth in vegetation was generally not as forward as is desired or expected at this time of the year.

Rainfall was below the average in all except the Wanganui and Otago Districts and in parts of Westland. Unsettled and boisterous conditions were experienced between the 5th and 8th and the 16th and 19th, when intense westerly areas of low pressure held sway.

During the former period electrical disturbances were experienced in the northern districts, and on the 18th a severe thunderstorm, accompanied with heavy hail showers, occurred about Cook Strait.

Small depressions passed in the south on the 22nd, 25th, and 31st, and these were responsible for frequent showers.

D. C. BATES, Director.