

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of December, 1918. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced and corrected in Inches to Lat. 49°.	From Self-registering Instruments, for Twenty-four Hours previously.				Solar Radiation.	Terrestrial Radiation.	Veloc. Wind, in Miles.	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.	Fah.						
1	29.611	Fah. 67.8	Fah. 48.2	Fah. 58.0	Fah. 133.0	36.7	204	1	S.	..	
2	29.922	64.8	49.7	57.2	141.0	47.9	413	9	SSE	..	
3	29.917	60.3	51.4	55.8	136.0	48.5	205	5	N.	..	
4	29.841	61.3	56.0	58.6	141.0	53.0	581	5	N.W.	Trace	
5	29.666	61.4	56.2	58.8	137.0	53.2	467	4	N.W.	2	
6	29.647	61.3	53.4	57.3	137.0	46.0	393	8	W.	..	
7	29.701	64.0	50.2	57.1	137.0	38.0	292	5	N.W.	9	
8	29.431	63.4	57.5	60.4	144.0	55.8	553	10	N.	26	
9	29.758	61.0	48.6	54.8	116.0	47.0	360	10	S.	12	
10	29.845	55.9	45.2	50.5	115.0	42.0	421	6	SSE	..	
11	29.814	58.2	48.3	53.2	125.0	44.0	327	4	N.	..	
12	29.473	64.8	55.4	60.1	134.0	52.3	447	2	N.W.	10	
13	29.901	66.3	52.2	59.2	149.0	48.6	306	2	S.	..	
14	29.912	59.5	42.9	51.2	127.0	30.0	297	9	N.W.	..	
15	29.929	62.6	50.9	56.7	139.0	54.0	492	9	NNW	..	
16	30.039	68.7	47.9	58.3	140.0	35.2	72	1	E.	..	
17	29.895	74.6	57.8	66.2	144.0	50.2	202	4	N.W.	..	
18	29.815	69.3	55.2	62.2	145.0	51.8	203	1	NNW	..	
19	29.799	69.7	56.8	63.2	134.0	53.5	342	3	N.W.	..	
20	30.019	69.2	52.3	60.7	139.0	41.0	196	0	Calm	..	
21	29.845	72.1	57.3	64.7	137.0	46.0	424	8	N.	10	
22	29.901	63.5	51.8	57.6	119.0	49.8	438	2	S.	..	
23	30.012	64.0	50.7	57.3	135.0	39.5	263	3	S.	4	
24	30.034	62.9	47.0	54.9	145.0	45.0	285	7	S.	Trace	
25	29.873	57.6	47.1	52.3	131.0	44.2	496	10	S.	..	
26	29.824	59.6	51.0	55.3	133.0	49.5	351	10	SSW	..	
27	29.895	64.0	43.2	53.6	132.0	30.0	172	1	N.W.	8	
28	29.737	67.6	56.2	61.9	141.0	54.8	282	10	N.	107	
29	29.430	60.5	58.1	59.3	92.0	56.8	237	10	N.	34	
30	29.571	61.2	49.9	55.5	125.0	45.0	80	3	N.W.	51	
31	29.785	63.7	43.9	53.8	135.0	34.8	123	1	N.E.	..	
*	29.801	63.9	51.4	57.6	133.5	45.9	320	5.3	..	273	
†	29.863	66.9	53.8	60.3	124.6	46.9	277	..	..	329

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
8	1	1	..	10	..	1	9	1

NOTE.—The weather during the month has been unsettled and showery. Total bright sunshine, 219 hours 53 minutes, and two sunless days. Frost was recorded on the grass on two mornings. Thunderstorm on the night of the 30th. Aurora Australis on the 20th. Mean earth temperature at 1 ft. was 62.6°, and 60.7° at 3 ft. Mean dewpoint, 48.2°; mean elastic force of vapour, 0.338 in.; and mean relative humidity, 72 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

December, 1918.

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 (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
125	AUCKLAND ..	Deg. 60.3	Deg. 66.5	Deg. 54.0	Points. 225	Dys. 11
	F. A. F. Burnett					
46	TE AROHA ..	58.4	68.6	48.2	282	13
	G. F. McGirr					
925	ROTORUA ..	60.6	69.6	51.7	268	3
	J. R. Cummins					
340	WAIHI ..	59.4	69.1	49.8	451	12
	P. A. Clifford					
..	TAURANGA ..	57.8	69.4	46.2	224	11
	C. J. Butcher					
160	NEW PLYMOUTH ..	58.5	65.6	51.5	710	12
	W. W. Smith					
250	MOUMAHAKI ..	56.6	67.2	46.0	437	17
	T. W. Lonsdale					
2080	TAIHAPE ..	52.3	61.1	43.5	480	17
	A. R. Fannin					
100	PALMERSTON NORTH ..	..	..	..	..	..
	J. E. Vernon					
119	CENTRAL DEVELOPMENT FARM, WERAROA	56.0	63.3	48.7	405	15
	J. Beverley					
186	GREYTOWN ..	57.8	68.4	47.2	323	15
	W. C. Davies					
377	MASTERTON ..	58.2	68.6	47.9	438	10
	Wm. Hood					
70	GREENMEADOWS, NA-PIER	59.5	67.5	51.5	372	7
	T. B. McBreen					
..	TRENTHAM MILITARY CAMP	..	..	..	..	..
	Lieut. Col. Leahy*					
10	WELLINGTON ..	57.6	63.9	51.4	273	11
SOUTH ISLAND.						
..	BRIGHTWATER ..	58.3	67.8	48.9	179	12
	Ven. Archdeacon Kempthorne					
34	NELSON ..	58.7	68.4	49.1	166	12
	J. R. Dart					
1220	HANMER SPA ..	55.0	66.3	43.8	216	10
	Miss M. Stewart					
25	CHRISTCHURCH ..	57.1	66.4	47.8	109	11
	H. F. Skey					
42	LINCOLN ..	57.1	69.0	45.2	76	9
	L. J. Wild					
1220	KISSELTON ..	54.5	65.0	44.0	134	4
	A. R. Blackwood					
..	RAKAIKA ..	56.7	67.5	46.0	82	9
	Miss A. Hardy					
130	TIMARU ..	56.7	66.9	46.5	186	6
	Caretaker of Domain					
200	WAIMATE ..	54.5	64.2	44.8	205	8
	F. Akhurst					
300	DUNEDIN ..	53.4	61.3	45.6	415	17
	D. Tannock					
245	GORE ..	52.6	63.4	41.8	489	19
	H. Dolamore					
12	HOKITIKA ..	54.4	61.8	47.1	1028	16
	W. H. Fleming					
12	INVERCARGILL ..	53.8	62.5	45.1	434	15
	L. Lennie					
	* October	54.0	61.6	46.4	510	..

SUMMARY FOR THE MONTH OF DECEMBER, 1918.

The weather during December proved very changeable owing to the unusual number of westerly low-pressure areas which passed in the south.

The only settled weather was experienced generally between the 14th and 20th, when anticyclonic conditions ruled.

Some heavy rainfall accompanied electrical conditions in different parts of the North Island on the 8th and 28th, and on this account the middle districts of the North Island had a total rainfall above the average. Generally, however, the rainfall was of a showery nature, and the aggregate fall for the month was less than the mean.

D. C. BATES, Director.