

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of December, 1922. 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.	Veloc. Wind, in Miles.			
1	29.622	65.4	56.3	60.8	135.0	50.6	387	5	W.	18
2	29.936	64.3	48.2	56.2	118.0	46.1	178	10	S.	6
3	30.040	60.0	48.0	54.0	131.0	47.0	262	8	S.	..
4	29.889	62.9	51.7	57.3	143.0	42.6	424	10	S.	..
5	29.794	64.8	42.4	53.6	131.0	32.9	145	4	N.	..
6	29.964	68.0	47.6	57.8	136.0	35.8	186	2	S.	..
7	30.005	67.7	56.5	62.1	124.0	52.0	322	10	N.W.	..
8	30.052	64.3	57.5	60.9	128.0	54.0	419	10	N.W.	17
9	29.937	66.0	58.9	62.4	135.0	55.5	439	10	N.W.	12
10	29.929	65.0	58.1	61.5	140.0	57.0	391	10	N.	..
11	29.877	66.2	57.5	61.8	127.0	55.1	340	10	N.W.	..
12	29.923	64.3	58.1	61.2	111.0	55.5	380	9	N.W.	..
13	29.861	69.0	62.0	65.5	151.0	61.0	378	9	N.W.	3
14	29.895	69.9	62.4	66.1	130.0	61.1	424	9	N.W.	..
15	29.869	74.3	60.4	67.3	137.0	58.7	277	10	N.	..
16	29.669	72.8	61.2	67.0	129.0	57.7	135	9	N.	..
17	29.728	76.6	59.1	67.8	156.0	56.0	165	10	S.	..
18	29.732	68.0	55.6	61.8	116.0	53.5	332	10	S.	Trace
19	29.461	62.9	55.3	59.1	98.0	53.9	254	10	S.	8
20	29.463	74.0	50.6	62.3	143.0	44.1	132	6	N.E.	1
21	29.312	68.2	58.0	63.1	131.0	55.1	422	8	N.W.	..
22	29.491	68.7	57.3	63.0	129.0	52.0	447	0	W.S.W.	..
23	29.533	70.0	51.0	60.5	128.0	42.2	188	2	N.E.	..
24	29.529	75.8	59.5	67.6	139.0	57.0	210	10	S.E.	..
25	29.766	70.8	61.0	60.9	135.0	42.0	259	1	S.	1
26	29.662	74.0	58.0	66.0	142.0	55.0	191	6	N.W.	Trace
27	29.566	69.0	61.5	65.2	134.0	60.5	263	10	N.	8
28	29.358	70.0	60.0	65.0	123.0	57.0	462	0	N.	..
29	29.562	70.0	60.1	65.0	133.0	58.0	335	8	N.N.W.	..
30	30.012	71.2	57.0	64.1	127.0	55.0	222	2	S.S.E.	..
31	29.896	71.8	47.0	59.4	128.0	37.0	177	0	S.	..
*	29.753	68.6	55.7	62.1	131.2	51.6	295	7.0	..	74
†	29.869	66.9	53.8	60.3	125.8	47.1	280	5.2	..	324

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
7	2	..	1	10	..	2	9	..

NOTE.—A dull and cloudy month, with precipitation 77 per cent. below the mean of previous years. Total bright sunshine 185 hours 56 minutes, 40 per cent. of the possible, and two sunless days. Mean earth-temperature at 1 ft. was 65.6°, and 62.6° at 3 ft. Mean dew-point, 51.9°; mean elastic force of vapour, 0.386 in.; and mean relative humidity, 70 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

December, 1922.

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.		
Ft. 125	NORTH ISLAND. AUCKLAND .. F. A. F. Burnett	Deg. 64.1	Deg. 69.9	Deg. 58.3	Points. 561	Dys. 17
131	RUAKURA FARM, HAMILTON EAST W. B. Monro	61.6	72.5	50.7	309	13
46	TE AROHA .. G. F. McGirr	65.2	73.2	57.5	677	13
340	WAIHI .. C. F. Sims	63.3	72.7	54.0	718	15
100	TAURANGA .. C. J. Butcher	63.7	73.0	54.5	250	12
925	ROTORUA .. W. E. Penno	62.6	72.0	53.2	1034	13
..	NEW PLYMOUTH G. H. Dolby	60.5	66.0	55.1	395	15
250	MOUMAHAKI .. J. G. McFarlane	61.8	70.6	53.0	466	14
2080	TAIHAPE .. A. R. Fannin	56.2	63.9	48.6	440	14
100	PALMERSTON NORTH .. J. A. Colquhoun	..	..	..	..	..
119	CENTRAL DEVELOPMENT FARM, WERAROA J. Beverley	59.6	66.3	53.0	320	17
70	GREENMEADOWS, NAPIER ..	..	..	..	..	..
377	MASTERTON .. R. Brown	61.8	71.8	51.9	335	15
186	GREYTOWN .. J. P. Eccleston	61.8	71.4	52.3	352	12
10	WELLINGTON ..	62.1	68.6	55.7	74	9
..	SOUTH ISLAND. BRIGHTWATER .. Ven. Archdeacon Kempthorne	61.0	70.3	51.7	97	10
34	NELSON .. Wm. C. Davies	61.6	70.3	53.0	129	8
1220	HANMER SPRINGS .. W. G. Morrison	58.6	68.8	48.4	615	11
25	CHRISTCHURCH .. H. F. Skey	59.2	67.6	50.7	221	8
42	LINCOLN .. M. J. Scott	59.5	68.7	50.3	245	10
1220	KISSELTON .. A. R. Blackwood	57.8	69.4	46.2	364	8
..	RAKAI .. Miss A. Hardy	58.4	67.8	49.0	231	10
130	TIMARU .. Caretaker of Domain	60.1	68.8	51.5	357	16
200	WAIMATE .. F. Akhurst	57.5	65.5	49.5	668	22
300	DUNEDIN .. D. Tannock	..	..	..	..	..
245	GORE .. A. T. Newman	..	..	..	..	..
12	HOKITIKA .. J. A. Chesney	56.6	62.8	50.4	1439	17
12	INVERCARGILL .. L. Lennie	56.1	65.2	47.0	376	18
	LINCOLN (November)	56.4	66.6	46.3	247	10

SUMMARY FOR THE MONTH OF DECEMBER, 1922.

The weather during December was dominated by disturbances of both tropical and antarctic origin. Of the former type there were at least three, and of the latter four, while anticyclones, though conspicuous during the first half of the month, were mostly centred northward of the Dominion.

Warm, dull, unsettled conditions predominated, with rainfall well distributed in time and place. The total precipitation was nearly everywhere above the average, and on the east coast of the North Island it was in marked contrast to the low falls of the past few months.

Below-average falls were, however, recorded in the central and southernmost districts of the North Island and in the northernmost and extreme south-west portions of the South Island.

D. C. BATES, Director.