

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of September, 1924. 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.					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.	Fah.						
1	30-347	51.8	42.7	47.2	99.0	34.0	141	3	N.N.W.	..	..
2	30-446	56.8	35.3	46.0	110.0	25.1	31	0	S.E.	..	..
3	30-373	58.1	37.1	47.6	107.0	27.0	81	3	N.N.W.	..	..
4	30-272	56.2	50.0	53.1	110.0	46.1	281	3	N.W.	..	..
5	30-046	56.4	52.1	54.2	111.0	48.9	449	10	N.W.	2	2	
6	30-072	57.2	47.4	52.3	105.0	46.1	391	10	S.E.	7	7	
7	29-901	54.0	43.9	48.9	101.0	34.2	206	7	N.N.W.	49	49	
8	29-386	58.8	47.1	52.9	112.0	45.1	211	10	S.E.	30	30	
9	29-867	52.9	37.1	45.0	92.0	26.1	277	3	N.E.	..	..
10	30-100	57.0	49.9	53.4	114.0	45.8	215	6	N.W.	..	..
11	30-202	60.0	41.2	50.6	116.0	30.0	86	0	N.E.	..	..
12	30-184	59.1	51.0	55.0	114.0	46.1	239	9	N.W.	..	..
13	30-194	57.0	53.0	55.0	106.0	52.1	470	9	N.W.	1	1	
14	30-110	61.3	55.1	58.2	116.0	53.6	479	5	N.W.	..	..
15	30-208	63.8	48.4	56.1	116.0	42.0	192	3	N.W.	Trace	Trace	
16	29-960	51.3	53.1	57.2	113.0	49.9	235	10	N.W.	14	14	
17	29-971	61.9	54.8	58.3	112.0	51.1	331	8	N.W.	..	..
18	30-085	61.3	52.2	56.7	112.0	47.7	138	9	N.W.	..	..
19	30-054	61.1	51.1	56.1	110.0	44.9	137	6	N.W.	..	..
20	29-958	63.0	50.3	56.6	115.0	44.1	149	1	N.E.	..	..
21	30-240	67.3	49.7	58.5	117.0	45.1	214	4	Calm	..	..
22	30-012	64.9	51.2	58.0	122.0	49.0	327	4	N.W.	..	..
23	30-011	60.0	54.9	57.4	114.0	51.0	420	8	N.W.	6	6	
24	29-845	59.5	53.0	56.2	92.0	51.0	335	10	N.W.	26	26	
25	29-901	58.7	54.2	56.4	81.0	52.9	470	10	N.W.	11	11	
26	29-880	60.8	56.2	58.5	97.0	54.1	377	10	N.W.	63	63	
27	29-946	64.2	53.0	58.6	107.0	52.1	272	10	S.E.	36	36	
28	30-130	54.8	50.6	52.7	72.0	46.5	96	10	S.S.W.	..	..
29	30-149	57.9	47.4	52.6	115.0	37.1	81	1	Calm	..	..
30	30-189	66.4	55.0	60.7	125.0	50.9	198	1	N.W.	..	..
31	..	..	..	..	..	..	..	..	..	..	..
*	30-068	59.4	49.2	54.3	107.8	44.3	251	6.1	..	..	245
†	29-937	57.4	45.7	51.5	106.0	39.3	248	5.5	..	..	410

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
3	3	..	4	1	..	..	17	2

NOTE.—A warm and dry month, with moderate to strong north-west winds prevailing. Precipitation was 40 per cent. below the mean of previous years. Total bright sunshine, 146 hours 44 minutes, 41 per cent. of the possible, and three sunless days. Frost was recorded on the grass on four mornings. Mean earth-temperature at 1 ft. was 53.2°, and 53.4° at 3 ft. Mean dew-point, 46.6°; mean elastic force of vapour, 0.318 in.; and mean relative humidity, 76 per cent. of saturation.

SUMMARY FOR THE MONTH OF SEPTEMBER, 1924.

September was, on the whole, a mild and seasonable month, although there were several periods when stormy conditions prevailed. Between the 7th and 9th a tropical disturbance, passing from north-west to south-east, brought some heavy beneficial rains to the North Island.

Westerly depressions passed on the 15th and 16th, and an extensive one of this type ruling between the 22nd and 25th, besides bringing heavy rain to the West Coast and southernmost districts, resulted in some good falls in Canterbury.

The total rainfall was above the average in most of the West Coast districts, and also in the northern half of the North Island, but elsewhere a deficiency was generally recorded. The high-level stations in the South Island experienced some particularly heavy rainfalls, but an absence of severe snow-storms which has been so noticeable during the past winter was again a satisfactory feature of meteorological conditions.

D. C. BATES, Director.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

September, 1924.

Altitude above Sea-level.	Name of Station and Observer.	Extremes.			Total Rainfall (1000 Points to the Inch).	Days with rain (Points or more).
		Absolute Mean (Temp. Air in Shade).	Mean Max. Temp.	Mean Min. Temp.		
Ft. 152	NORTH ISLAND. AUCKLAND ..	Deg. 55.7	Deg. 61.2	Deg. 50.1	Points. 419	13
181	RUAKURA FARM, HAMILTON EAST W. B. Monro	54.0	63.7	44.3	499	14
46	TE AROHA .. C. E. Christensen	56.1	64.2	48.0	550	11
340	WAIHI .. C. F. Sims	54.3	63.8	44.9	654	14
100	TAURANGA .. C. J. Butcher	54.2	62.9	45.6	425	14
925	ROTORUA .. W. E. Penno	52.4	60.8	44.1	701	14
60	NEW PLYMOUTH G. H. Dolby	52.9	58.3	47.6	541	20
250	MOUMAHARI J. G. McFarlane	53.3	60.4	46.3	330	14
2080	TAIHAPE .. A. R. Fannin	48.3	54.9	41.8	289	14
100	PALMERSTON NORTH J. A. Colquhoun	53.3	60.7	45.9	234	12
5	OROUA DOWNS R. A. Reid	54.0	60.3	47.6	224	13
119	CENTRAL DEVELOPMENT FARM, WERAROA J. E. Sharp	52.5	58.8	46.2	325	19
5	NAPIER .. Chas. L. Thomas	54.9	63.1	46.8	90	6
377	MASTERTON R. Brown	52.5	62.6	42.4	253	11
186	GREYTOWN W. Allan	52.8	62.4	43.3	369	10
10	WELLINGTON ..	54.3	59.4	49.2	245	11
87	SOUTH ISLAND. BRIGHTWATER Ven. Archdeacon Kempthorne	51.4	60.4	42.5	326	13
34	NELSON .. H. Harrison	51.5	59.5	43.5	330	14
1220	HANMER SPRINGS W. G. Morrison	50.2	61.0	39.5	143	7
25	CHRISTCHURCH H. F. Skey	50.8	60.2	41.5	98	7
42	LINCOLN .. M. J. Scott	55.4	69.8	41.1	84	4
1220	KISSELTON .. F. Freeman	54.2	63.5	45.0	335	6
180	TIMARU .. Caretaker of Domain	50.6	61.0	40.2	99	5
200	WAIMATE .. F. Akhurst	50.3	60.6	40.1	102	8
300	DUNEDIN .. D. Tannock	52.7	61.4	44.1	255	9
245	GORE .. A. T. Newman	..	..	..	..	..
12	HOKITIKA .. J. A. Chesney	50.8	57.5	44.1	1072	19
12	INVERCARGILL L. Lennie	50.4	59.9	40.9	339	16
LATE RETURNS.						
5	OROUA DOWNS, June, 1924	47.1	56.9	37.3	453	17
300	DUNEDIN, Aug., 1924	47.4	54.5	40.3	58	7