

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of September, 1914. Observations taken 9 a.m.

Altitude of Observatory, 8 ft.

Date.	Barometer reduced in and corrected in Inches to Lat. 45°	From Self-registering Instruments, for Twenty-four Hours previously.				Solar Radiation.	Terrestrial Radiation.	Veloc. Wind in Miles. 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.	Mean Temp. in Shade.					
1	29.649	Fah. 59.6	Fah. 49.4	Fah. 54.5	Fah. 118.6	45.6	202	8 N.W.	42	
2	29.763	56.0	42.2	49.1	117.6	34.4	378	2 S.	..	
3	29.949	55.4	40.0	47.7	109.8	31.0	90	2 N.W.	..	
4	29.759	55.4	45.2	50.3	109.6	36.6	192	8 N.E.	35	
5	30.063	62.0	41.4	51.7	114.8	33.0	230	3 S.	..	
6	30.289	55.0	46.8	50.9	114.4	40.4	210	3 S.	..	
7	30.279	60.4	42.2	51.3	110.6	34.6	150	0 N.	..	
8	30.359	58.4	48.2	53.3	114.8	44.8	341	8 S.	..	
9	30.399	54.8	36.4	45.6	109.6	27.0	239	8 N.	..	
10	30.319	55.4	47.8	51.6	116.8	44.4	276	8 N.	..	
11	30.409	60.0	44.8	52.4	113.6	35.0	202	8 N.W.	1	
12	30.311	57.0	52.2	54.6	117.4	49.6	430	10 N.	..	
13	30.209	61.4	52.6	57.0	117.8	49.0	358	8 N.	..	
14	30.269	59.4	52.6	56.0	121.0	49.4	420	4 N.	..	
15	30.333	62.8	49.4	56.1	119.8	43.6	222	8 N.	..	
16	30.409	56.4	40.2	48.3	121.6	28.0	158	6 N.	..	
17	30.439	59.0	43.6	51.3	115.8	33.4	74	2 N.	1	
18	30.639	62.4	46.2	54.3	121.6	38.0	230	8 S.E.	..	
19	30.573	56.8	34.0	45.4	116.8	28.4	158	0 N.	..	
20	30.459	56.2	50.0	53.1	115.6	47.4	322	5 N.	..	
21	30.289	58.8	49.6	54.2	119.8	45.6	272	7 N.	..	
22	30.279	59.2	49.8	54.5	118.6	46.0	279	3 N.	..	
23	30.250	61.6	46.2	53.9	118.8	34.6	187	8 N.	..	
24	29.809	66.0	52.8	59.4	128.6	43.0	136	10 N.	30	
25	29.450	69.0	54.4	61.7	128.4	52.4	397	10 N.	22	
26	29.450	59.4	48.6	54.0	100.6	44.0	507	8 N.W.	21	
27	29.702	55.8	41.2	48.5	112.8	39.4	412	8 S.	..	
28	30.052	52.0	35.2	43.6	117.6	23.0	151	2 N.	..	
29	29.999	59.2	43.8	51.5	117.0	32.0	167	5 N.	..	
30	30.269	59.8	40.4	50.1	116.4	29.4	220	8 N.	..	
31	..	..	..	..	..	..	..	..	..	
*	30.147	58.8	45.6	52.2	116.5	38.8	254	6.0	152	
†	29.925	57.2	45.4	51.3	104.3	38.4	244	..	424	

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
19	1	..	..	1	5	..	..	4	..

NOTE.—A mild and pleasant month, with northerly breezes prevailing; rainfall 64 per cent. below the mean of previous years. Total bright sunshine, 196 hours 30 minutes, and no sunless days. Mean earth temperature at 1 ft. was 52.5°, and 52.8° at 3 ft.; mean dew-point, 43.7°; mean elastic force of vapour, 0.285 in.; and mean relative humidity, 73 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

September, 1914.

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.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
20	RUAWAI .. Dr. H. M. Levinge	55.4	64.0	46.8	76	10
125	AUCKLAND .. T. F. Cheeseman	53.3	59.0	47.6	141	13
..	TE AROHA .. G. F. McGirr	53.7	62.4	44.9	137	9
925	ROTORUA .. L. J. Bayfield	49.6	60.6	38.6	241	7
..	TAURANGA .. C. J. Butcher	53.2	64.5	42.0	163	8
63	NEW PLYMOUTH .. W. D. Fletcher	..	..	..	..	..
250	MOUMAHARI .. A. S. Huntington	50.4	59.0	41.9	191	9
2080	TAIHAPE .. A. R. Fannin	45.6	53.7	37.5	141	8
..	PALMERSTON NORTH J. E. Vernon	49.7	59.5	39.9	119	5
186	GREYTOWN .. W. C. Davies	49.8	62.0	37.6	178	5
377	MASTERTON .. Wm. Hood	49.2	62.8	35.6	141	7
..	GISBORNE .. C. H. Ferris	52.6	63.1	42.1	69	9
14	GREENMEADOWS, NA-PIER Very Rev. Dean Smyth	52.9	62.5	43.3	32	2
10	WELLINGTON .. F. W. Simms	52.2	58.8	45.6	152	7
34	SOUTH ISLAND. NELSON .. Rev. J. P. Kempthorne	Deg. 50.9	Deg. 60.7	Deg. 41.1	Points. 36	Dys. 5
1218	HANMER SPA .. Dr. J. C. Duncan	..	..	..	..	..
25	CHRISTCHURCH .. H. F. Skey	48.2	59.0	37.5	65	5
42	LINCOLN .. G. Gray	50.1	60.3	39.9	63	5
..	RAKAI .. ..	..	..	..	..	..
130	TIMARU .. Caretaker of Domain	49.7	61.8	37.7	16	5
90	WAIMATE .. W. M. Hamilton	49.1	61.1	37.1	41	7
300	DUNEDIN .. D. Tannock	49.6	58.3	40.9	169	17
245	GORE .. H. Dolamore	47.0	56.8	37.2	297	20
12	HOKITIKA .. F. T. Sandford	48.1	55.6	40.6	764	15
18	INVERCARGILL .. L. Lennie	47.1	56.6	37.6	407	16

SUMMARY FOR THE MONTH OF SEPTEMBER, 1914.

With the exception of the southernmost districts of the South Island, where the aggregate rainfall was above the average for the month, warm and dry conditions were generally experienced, and a considerable deficiency resulted. In some portions of the East Coast districts the total fall was less than 10 per cent. of the average.

Between the 5th and the 22nd an extensive anti cyclone held sway, and fair weather was the predominating feature, with frosts often occurring at inland stations. On the 18th the barometer attained the high reading of 30.65 in. at Wellington, but after this date the high pressure gradually gave way, and was succeeded by an intense westerly area of low pressure which brought unsettled and in parts stormy weather between the 23rd and 27th. At 7 p.m. on the 25th the barometer fell to 28.65 in. at the Bluff. It afterwards rose rapidly, and on the two closing days of the month fair weather again prevailed.

D. C. BATES, Director.