

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the Month of September, 1915. Observations taken 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.						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	29.759	58.4	46.2	52.3	113.6	45.0	498	10	S.	28
2	30.189	48.2	43.4	45.8	85.8	39.0	417	5	S.	..
3	30.029	55.2	38.0	46.6	106.4	28.0	129	10	N.	6
4	29.789	55.4	50.6	53.0	108.6	48.4	368	10	N.	1
5	29.799	58.6	50.4	54.5	109.8	49.2	332	8	N.	19
6	29.879	57.4	51.2	54.3	114.8	42.6	451	2	N.W.	..
7	30.263	57.8	36.6	47.2	112.6	27.0	135	3	N.	..
8	30.429	58.0	34.8	46.4	111.8	24.2	75	0	N.	..
9	30.339	60.0	45.4	52.7	114.6	33.4	149	8	N.	..
10	30.149	58.0	52.4	55.2	117.4	49.0	298	8	N.	17
11	29.929	57.6	53.0	55.3	119.8	49.6	412	10	N.W.	1
12	30.079	58.4	53.6	56.0	110.6	50.0	370	5	N.	..
13	30.163	59.4	54.2	56.8	117.8	50.0	276	4	N.	..
14	29.889	60.0	55.4	57.7	110.6	52.4	285	8	N.	56
15	29.719	62.4	53.6	58.0	121.8	52.0	269	8	N.W.	5
16	29.829	61.4	54.0	57.7	122.6	52.0	424	10	N.W.	7
17	29.769	60.6	57.8	59.2	111.8	54.8	541	8	N.W.	..
18	29.829	61.6	53.4	57.5	117.6	48.6	407	8	N.W.	..
19	29.769	62.2	51.8	57.0	118.8	48.2	310	8	N.	..
20	29.870	58.6	49.2	53.9	116.4	42.0	290	8	S.	2
21	30.199	58.4	44.8	51.6	119.6	40.6	501	8	S.	..
22	30.111	55.8	47.2	51.5	114.2	40.2	219	6	N.	..
23	30.133	59.8	54.4	57.1	127.8	52.0	301	8	N.	..
24	30.299	59.6	50.0	54.8	105.6	49.0	240	10	S.	1
25	30.320	55.8	50.2	53.0	84.4	47.2	245	10	S.	..
26	30.349	66.4	44.2	55.3	126.6	32.0	52	4	E.	..
27	30.241	68.4	45.2	56.8	121.8	33.2	40	8	E.	..
28	29.820	68.8	52.0	60.4	124.2	42.4	70	10	Calm	19
29	29.649	61.8	55.6	58.7	109.6	53.6	441	10	N.	..
30	29.879	60.8	52.6	56.7	121.0	49.0	406	4	N.	..
31	..	..	..	..	..	..	..	..	..	..
*	30.016	59.5	49.4	54.4	113.9	44.1	298	7.2	..	162
†	29.925	57.3	45.4	51.4	104.5	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.
15	..	2	..	6	..	..	6	1

NOTE.—The weather during the month has been fine but cloudy, and barometric pressure and temperatures have been well above the mean of previous years. Total bright sunshine, 156 hours 51 minutes, and one sunless day. Frost was recorded on the grass on four mornings. Mean earth-temperature at 1 ft. was 53.9°, and 53.6° at 3 ft. Mean dew-point, 47.2°; mean elastic force of vapour, 0.325 in.; and mean relative humidity, 77 per cent. of saturation.

CLIMATOLOGICAL TABLE.
MEANS AND TOTALS FROM THE CHIEF STATIONS.
September, 1915.

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 (1/4 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
Ft.	NORTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
20	RUAWAI .. Dr. H. M. Levinge	57.6	65.5	49.7	462	10
125	AUCKLAND .. T. F. Cheeseman	57.3	62.6	52.1	532	20
..	TE AROHA .. G. F. McGirr	55.0	64.5	45.6	548	12
925	ROTORUA .. L. J. Bayfield	58.9	61.6	46.3	551	17
340	WAIHI .. P. A. Clifford	55.7	64.1	47.3	749	20
..	TAURANGA .. C. J. Butcher	56.1	64.7	47.5	657	20
63	NEW PLYMOUTH .. W. W. Smith	56.2	62.7	49.8	459	19
250	MOUMAHAKI .. J. Kirkland	55.8	64.0	47.6	329	15
2080	TAIHAPE .. A. R. Fannin	49.7	56.1	43.3	184	18
..	PALMERSTON NORTH .. J. E. Vernon	54.5	62.1	47.0	165	14
186	GREYTOWN .. W. C. Davies	54.7	64.1	45.3	98	7
377	MASTERTON .. Wm. Hood	54.0	63.5	44.5	47	10
..	GISBORNE .. C. H. Ferris	56.3	65.3	47.4	202	11
14	GREENMEADOWS, NAPIER .. Rev. W. B. Buckley	57.4	65.9	49.0	120	5
10	WELLINGTON .. F. W. Simms	54.4	59.5	49.4	162	12
Ft.	SOUTH ISLAND.	Deg.	Deg.	Deg.	Points.	Dys.
34	NELSON .. Rev. J. P. Kempthorne	53.0	60.0	46.0	257	12
1218	HANMER SPA .. J. F. Robieson	52.2	63.0	41.5	106	5
25	CHRISTCHURCH .. H. F. Skey	51.8	61.5	42.2	15	2
42	LINCOLN .. L. J. Wild	52.5	63.3	41.7	70	5
..	RAKAI .. Miss A. Hardy	52.5	64.0	41.0	11	2
130	TIMARU .. Caretaker of Domain	50.7	61.5	40.0	17	4
90	WAIMATE .. W. M. Hamilton	50.9	60.7	41.1	30	4
300	DUNEDIN .. D. Tannock	51.8	60.2	43.4	98	7
245	GORE .. H. Dolamore	49.4	60.4	38.5	114	11
12	HOKITIKA .. F. T. Sandford	51.0	57.1	45.0	1266	22
18	INVERCARGILL .. L. Lennie	49.2	59.9	38.6	254	13

SUMMARY FOR THE MONTH OF SEPTEMBER, 1915.

Except in the northernmost portion of the North Island and the West Coast of the South, rainfall was below the average. The East Coast districts again experienced very dry conditions, and many places report a serious deficiency in the amount of water in the streams.

Several westerly atmospheric disturbances passed over the Dominion, with centres to the southward, and a low-pressure area was also in evidence off East Cape on the 20th.

The latter was accountable for strong southerly winds generally. Fair weather predominated during the month, although cloudy skies were much in evidence, particularly in the northern half of the North Island.

D. C. BATES, Director.