

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of April, 1916. 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.						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	30-209	68-6	50-2	59-4	100-6	41-2	106	8	N.	..
2	30-119	69-8	52-8	61-3	74-8	42-4	107	8	N.	..
3	30-159	68-4	49-6	59-0	91-6	39-6	85	3	E.	..
4	30-061	69-8	49-2	59-5	95-8	37-8	152	5	N.	..
5	30-220	67-6	60-4	64-0	75-6	56-4	356	8	N.	..
6	30-239	66-6	62-8	64-7	95-4	56-8	484	6	N.	12
7	30-003	70-2	63-6	66-9	69-6	58-0	520	10	N.	2
8	29-849	66-4	60-2	63-3	89-8	55-0	434	8	S.	35
9	30-099	61-6	40-2	50-9	98-0	30-4	289	5	N.	..
10	30-141	62-6	48-8	55-7	92-6	40-2	160	6	N.	..
11	30-309	64-8	46-8	55-8	95-8	38-6	137	0	N.	..
12	30-253	67-6	58-8	63-2	94-2	55-4	313	6	N.	..
13	30-139	66-2	61-8	64-0	101-6	56-0	520	8	N.W.	2
14	29-920	67-0	62-2	64-6	67-8	59-0	520	10	N.	42
15	29-701	64-6	58-4	61-5	60-4	57-6	317	10	Calm	98
16	29-519	58-4	52-6	55-5	70-6	49-2	100	6	N.	..
17	29-579	65-6	58-4	62-0	63-8	50-0	260	10	S.	3
18	30-069	59-8	52-0	55-9	86-4	46-4	513	5	S.	..
19	30-183	61-2	42-0	51-6	87-0	30-0	140	5	N.	..
20	30-229	63-4	42-6	53-0	74-6	31-4	90	0	Calm	..
21	30-199	66-6	43-4	55-0	100-8	32-0	57	5	N.	..
22	30-119	64-0	50-2	57-1	96-4	40-6	143	4	N.	1
23	30-011	65-6	60-2	62-9	101-6	55-0	380	10	N.	11
24	30-280	64-8	54-0	59-4	69-6	50-2	380	8	S.	..
25	30-419	59-6	50-4	55-0	92-0	46-2	390	4	S.	1
26	30-400	59-6	52-6	56-1	62-8	49-4	267	10	S.	..
27	30-300	60-4	50-2	55-3	80-6	43-0	103	0	Calm	..
28	30-061	65-8	55-6	60-7	85-8	53-6	240	8	N.	..
29	29-879	65-0	59-6	62-3	71-4	55-4	390	10	N.	103
30	29-429	67-2	54-8	61-0	57-6	53-2	150	10	S.	59
31	..	..	..	..	..	..	..	..	..	..
*	30-070	64-9	53-5	59-2	82-4	47-0	270-1	6-5	..	369
†	30-044	62-7	51-1	56-8	106-7	43-9	230	..	..	402

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
18	..	1	..	7	..	..	1	3

NOTE.—A good autumn month, with northerly winds prevailing, and rainfall slightly below the mean of previous years. Total bright sunshine, 160 hours 8 minutes, and six sunless days. Thunder and lightning occurred on the 8th, and hail fell on the same date. Frost was recorded on four mornings, and fog on the 27th. Mean earth-temperature at 1 ft. was 61-3°, and 62-1° at 3 ft. Mean dew-point, 55-0°; mean elastic force of vapour, 0-388 in.; and mean relative humidity, 77 per cent. of saturation.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM THE CHIEF STATIONS.

April, 1916.

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 Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
125	AUCKLAND ..	Deg. 61-7	Deg. 67-6	Deg. 55-9	Points. 588	Dys. 12
46	TE AROHA ..	..	..	..	..	..
925	ROTORUA ..	Deg. 57-2	Deg. 68-4	Deg. 46-0	Points. 338	Dys. 10
340	WAIHI ..	..	..	..	Points. 608	Dys. 8
..	TAURANGA ..	Deg. 59-9	Deg. 71-8	Deg. 48-1	Points. 453	Dys. 9
160	NEW PLYMOUTH ..	Deg. 59-8	Deg. 68-3	Deg. 51-3	Points. 756	Dys. 13
250	MOUMAHAKI ..	Deg. 58-2	Deg. 67-5	Deg. 49-0	Points. 379	Dys. 8
2080	TAIHAPE ..	Deg. 53-3	Deg. 61-5	Deg. 45-1	Points. 278	Dys. 9
100	PALMERSTON NORTH ..	Deg. 57-3	Deg. 67-0	Deg. 47-7	Points. 232	Dys. 9
186	GREYTOWN ..	Deg. 56-1	Deg. 67-6	Deg. 44-6	Points. 171	Dys. 9
377	MASTERTON ..	Deg. 57-2	Deg. 69-8	Deg. 44-7	Points. 255	Dys. 10
70	GREENMEADOWS, NA-PIER	Deg. 61-6	Deg. 71-1	Deg. 52-1	Points. 303	Dys. 5
10	WELLINGTON ..	Deg. 59-2	Deg. 64-9	Deg. 53-5	Points. 369	Dys. 12
SOUTH ISLAND.						
34	NELSON ..	Deg. 59-3	Deg. 68-2	Deg. 50-4	Points. 506	Dys. 6
1220	HANMER SPA ..	Deg. 52-5	Deg. 63-0	Deg. 42-1	Points. 175	Dys. 7
25	CHRISTCHURCH ..	Deg. 54-5	Deg. 64-1	Deg. 44-9	Points. 168	Dys. 12
42	LINCOLN ..	Deg. 56-0	Deg. 65-4	Deg. 46-7	Points. 201	Dys. 8
..	RAKAI ..	Deg. 54-4	Deg. 64-7	Deg. 44-1	Points. 319	Dys. 8
130	TIMARU ..	Deg. 55-2	Deg. 65-4	Deg. 44-9	Points. 187	Dys. 5
90	WAIMATE ..	Deg. 54-9	Deg. 63-7	Deg. 46-0	Points. 266	Dys. 5
300	DUNEDIN ..	Deg. 55-2	Deg. 64-0	Deg. 46-5	Points. 125	Dys. 13
245	GORE ..	Deg. 51-2	Deg. 61-7	Deg. 40-8	Points. 156	Dys. 14
12	HOKITIKA ..	Deg. 55-3	Deg. 62-7	Deg. 48-0	Points. 1352	Dys. 13
12	INVERCARGILL ..	Deg. 53-0	Deg. 62-2	Deg. 43-8	Points. 283	Dys. 15

SUMMARY FOR THE MONTH OF APRIL, 1916.

During the month of April atmospheric pressure was chiefly anticyclonic, this type prevailing between the 1st and 7th, 10th and 13th, and the 19th and 23th. In consequence the weather generally was fine and calm with mild days and cool nights. Unsettled conditions were experienced on the 7th and 8th, with the passage of a small depression in the south. Between the 14th and 17th a more intense westerly held sway, and this was followed by an extra tropical cyclone the centre of which passed over the North Island during the night of the 17th. Heavy rain fell on the 14th over the South Island, and general rains were reported on the 15th. On the 29th, and again on the 30th, when the centre of a disturbance passed in the vicinity of Cook Strait, heavy rain was recorded and caused floods in some of the rivers in the northern districts. Most of the northern districts of the North Island and the whole of the western coast had more than the average rainfall, while the remaining portions of the Dominion recorded slightly below or about the average.

D. C. BATES, Director.