

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of January, 1927. Observations taken at 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	30-135	74.6	60.2	67.4	133.0	55.2	166	10	N.W.	7		
2	29-868	67.7	57.3	62.5	135.0	54.8	263	10	N.N.W.	22		
3	30-077	66.1	55.3	60.7	115.8	55.2	241	10	S.E.	1		
4	29-965	68.0	57.1	62.5	135.7	55.5	158	6	N.W.	10		
5	30-115	70.7	55.2	62.9	141.0	54.6	274	10	S.E.	..		
6	30-163	66.4	49.2	57.8	141.0	41.0	156	7	S.E.	..		
7	30-414	67.0	54.4	60.7	138.0	50.8	229	1	S.E.	..		
8	30-340	66.2	44.0	55.1	125.1	33.8	191	0	N.W.	..		
9	30-230	68.6	55.7	62.1	129.0	51.5	201	9	S.	2		
10	30-327	64.3	53.2	58.7	126.1	52.2	355	3	S.E.	..		
11	30-085	63.9	45.0	54.4	124.0	35.3	170	8	N.N.E.	..		
12	29-859	72.0	54.4	63.2	140.2	46.1	232	0	E.N.E.	..		
13	29-398	73.9	60.9	67.4	131.1	60.1	431	10	N.W.	14		
14	29-677	65.7	48.3	57.0	123.7	45.6	313	1	S.E.	..		
15	29-850	65.2	43.7	54.4	131.9	35.1	125	4	N.W.	..		
16	29-985	67.6	58.3	62.9	131.6	57.0	378	2	N.	..		
17	30-097	72.2	61.3	66.7	138.0	61.1	422	10	N.W.	..		
18	30-171	74.9	59.0	66.9	136.0	54.8	160	3	N.W.	4		
19	30-041	71.0	61.9	66.4	136.1	61.2	396	7	N.W.	6		
20	30-078	68.1	57.0	62.5	133.8	56.3	398	4	S.W.	..		
21	30-095	73.1	50.5	61.8	145.9	40.9	82	1	N.W.	..		
22	30-011	71.0	58.8	64.9	131.9	56.9	375	8	N.W.	..		
23	29-876	67.9	62.3	65.1	115.8	61.1	436	8	N.N.W.	..		
24	30-142	70.1	55.9	63.0	132.3	49.8	219	10	N.W.	..		
25	30-081	69.1	60.8	64.9	122.7	59.3	403	0	N.W.	..		
26	30-083	73.0	61.5	67.2	128.0	58.2	250	0	N.N.W.	..		
27	30-089	78.2	63.1	70.6	135.1	60.3	215	8	N.N.W.	..		
28	30-015	71.8	62.2	67.0	126.8	59.5	171	1	N.W.	..		
29	29-983	74.0	57.2	65.6	141.3	49.5	174	0	N.W.	..		
30	29-883	80.9	63.0	71.9	134.9	60.2	185	2	N.	..		
31	29-687	81.4	67.1	74.2	144.2	62.0	179	7	N.W.	2		
*	30-026	70.5	56.6	63.5	132.4	52.7	256.4	5.2	..	68		
†	29-903	69.3	55.7	62.5	126.3	49.2	259	5.2	..	330		

\* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
7	..	1	6	1	1	..	15	..

NOTE.—A warm and dry month, with precipitation 80 per cent. below the mean of previous years. Total bright sunshine, 237 hours 46 minutes, 52 per cent. of the possible. Mean earth-temperature at 1 ft. was 68.6°, and 65.3° at 3 ft.; mean dew-point, 53.5°; mean elastic force of vapour, 0.410 in.; and mean relative humidity, 70 per cent. of saturation.

CLIMATOLOGICAL TABLE.  
MEANS AND TOTALS FROM CHIEF STATIONS.  
January, 1927.

Altitude above Sea-level.	Name of Station and Observer.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to one Inch).	Days with Rain (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
152	AUCKLAND ..	66.8	72.5	61.1	146	9
131	RUAKURA FARM, HAMILTON EAST	66.0	77.5	54.6	151	6
211	MATAMATA ..	65.4	75.9	54.9	100	6
46	TE AROHA ..	68.7	77.9	59.5	200	9
340	WAIHI ..	66.1	75.5	56.7	324	13
100	TAURANGA ..	66.1	74.2	58.0	418	14
925	ROTORUA ..	64.4	73.0	55.8	199	9
60	NEW PLYMOUTH ..	63.2	70.5	55.9	263	11
2080	TAHARAPU ..	60.3	68.9	51.8	301	10
100	PALMERSTON NORTH ..	62.7	72.0	53.5	218	8
8	TANGIMOANA ..	63.7	72.6	54.8	120	8
119	CENTRAL DEVELOPMENT FARM, WERAROA	63.2	71.8	54.7	106	8
5	NAPIER ..	65.9	73.2	58.7	154	6
377	MASTERTON ..	64.5	77.0	52.0	116	7
186	GREYTOWN ..	65.0	77.5	52.5	126	7
10	WELLINGTON ..	63.5	70.5	56.6	68	9
SOUTH ISLAND.						
11	TAKAKA, NELSON ..	63.2	73.0	53.5	395	8
34	NELSON ..	63.7	72.2	55.3	218	6
1220	HANMER SPRINGS ..	62.6	75.5	49.8	223	8
25	CHRISTCHURCH ..	61.7	71.7	51.7	62	7
42	LINCOLN ..	63.8	76.2	51.4	64	5
1220	KISSILTON ..	63.7	79.0	48.4	128	6
349	RAKAIKA ..	62.5	75.1	50.0	141	6
323	ASHBURTON ..	61.7	73.5	50.0	147	7
1000	FAIRLIE ..	..	..	..	..	..
2350	LAKE TEKAPO ..	57.6	71.7	43.5	167	6
130	TIMARU ..	61.8	72.7	50.9	92	7
200	WAIMATE ..	60.0	70.6	49.5	94	9
1550	SANATORIUM, WAIPIATA ..	60.4	72.6	48.2	198	10
1000	OPHIR ..	61.9	74.6	49.1	137	9
300	DUNEDIN ..	60.4	70.0	50.7	318	15
245	GORE ..	..	..	..	..	..
12	HOKITIKA ..	60.1	67.2	53.0	1030	14
12	INVERCARGILL ..	58.8	68.5	49.1	329	20

SUMMARY FOR THE MONTH OF JANUARY, 1927.

Notable features of the weather of January were the warmth, dryness, and absence of strong winds; more particularly during the latter half of the month.

The general precipitation was, in consequence, considerably below the average over most of the Dominion, excesses occurring at a few scattered places, chiefly in the far North and in the West Coast and southernmost portions of the South Island.

With the exception of a widespread westerly depression, which ruled between the 10th and 16th, and mostly affected the West Coast districts, only minor disturbances were experienced. In the first week conditions were rather unsettled owing to a shallow cyclone passing in the North. During this period some beneficial rains occurred in the northern and east coast districts of the North Island, accompanying thunderstorms in parts on the 2nd and 6th.

The early part of the month was favourable to crops and growth of grass, but the warm and dry weather of the latter half detrimentally affected the pasturage, particularly on light lands.

D. C. BATES, Director.