

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for February 1960—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Fahrenheit)								Rainfall in Inches					Bright Sunshine Hrs.
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
	Ft.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	In.			In.			
Westport	7	68.6	53.0	60.8	+1.0	77.8	23	45.0	28	6.89	11	+0.06*	1.84	2	206
Molesworth	2,930	67.1	44.6	55.8	-0.4*	79.0	25	33.0	22	2.30	7	+0.21*	0.79	2	..
Greymouth	13	68.5	55.0	61.8	+1.8*	79.1	23	47.3	28	6.52	17	-0.18*	1.26	26	188
Hanmer	1,270	71.5	47.5	59.5	+0.1	83.0	9, 25	34.0	20	2.70	9	-0.95	0.64	2	185
Hokitika South	15	67.4	50.9	59.2	+1.1*	77.1	23	40.0	20	9.39	18	+1.66*	2.21	2	196
Balmoral	650	72.5	49.3	60.8	-0.7*	86.5	9	36.5	1	1.87	7	-0.28	0.45	2	..
Lake Coleridge	1,195	70.3	48.8	59.6	+0.2	83.5	25	38.0	20	1.40	8	-0.83	0.76	12	..
Eyrewell	520	71.7	48.5	60.1	..	87.0	25	38.5	22	1.58	9	-1.54*	0.68	12	..
Franz Josef	392	68.8	50.1	59.4	..	76.9	14	42.7	28	17.24	14	..	3.47	2	..
Ashley Forest	350	69.8	51.6	60.7	+0.7*	81.0	26	44.2	20	1.70	11	-0.93*	0.54	12	..
Darfield	640	73.1	49.6	61.4	+1.4*	87.9	25	39.1	20	2.00	8	-0.53	0.70	12	..
Christchurch Airport	94	69.3	51.7	60.5	..	84.4	26	44.2	20	1.13	8	..	0.29	12	182
Christchurch	22	70.1	51.0	60.6	-0.2	86.2	26	43.4	20	1.03	9	-0.77	0.24	18	..
Wigram	74	70.6	51.3	61.0	+0.3*	85.1	26	42.5	20	1.14	7	-0.53*	0.27	12	..
Akaroa	150	69.4	52.7	61.0	-0.9	85.8	26	44.2	20	1.64	14	-0.83	0.36	2	182
Lincoln	36	70.4	50.4	60.4	+0.7	85.5	25	40.8	20	1.50	7	-0.25	0.38	12	192
Highbank	1,102	70.1	50.2	60.2	..	85.0	25	34.2	20	1.48	9	..	0.49	27	200
The Hermitage	2,510	65.8	46.0	55.9	-0.2	80.0	25	36.0	20	12.87	9	-2.31	2.82	12	158
Winchmore	526	70.3	48.4	59.4	-0.2*	82.0	25	38.0	20	1.27	8	-1.01*	0.59	12	..
Haast	15	66.0	51.4	58.7	+0.3*	72.9	3	41.8	20	11.21	15	-2.39*	1.75	26	209
Ashburton	323	74.2	49.7	62.0	+1.0	88.6	9	39.8	22	1.24	9	-1.45	0.53	12	185
Fairlie	1,004	68.8	46.0	57.4	-1.2	81.5	9	35.0	28	1.20	6	-1.72	0.48	12	..
Timaru	56	70.5	50.6	60.6	+0.4	77.6	23	42.1	20	1.65	9	-0.57	0.67	12	178
Adair	200	66.9	50.4	56.6	+0.6*	81.9	9	43.9	28	1.35	10	-0.97*	0.59	12	..
Tara Hills, Omarama	1,600	71.2	47.1	59.2	-0.5*	82.9	25	38.5	28	1.15	8	-0.54*	0.49	18	194
Benmore, Otematata	920	72.5	50.6	61.6	..	84.0	25	43.3	29	1.02	6	..	0.47	18	..
Lake Hawera	1,147	70.1	49.6	59.8	..	79.8	22	38.1	20	1.27	9	..	0.47	12	..
Milford Sound	20	65.4	49.1	57.2	+0.2	71.1	14	43.1	20	18.85	17	-4.73	4.91	14	..
Waimate	200	69.0	50.3	59.6	-0.5	79.0	25	43.5	4	1.32	8	-1.00	0.38	12	158
Naseby Forest	2,300	68.9	41.4	55.2	..	81.2	23	30.2	13	2.88	11	..	0.79	12	..
Queenstown	1,100	69.6	46.6	58.1	-1.5	79.0	23	37.7	20	2.20	10	-0.21	0.61	17	208
Cromwell	720	74.2	48.6	61.4	-0.2*	85.8	23	36.7	20	1.00	7	-0.68	0.20	12	..
Ophir	1,000	72.5	44.0	58.2	-1.6	85.0	23	32.4	11	1.78	9	-0.15	0.58	12	..
Moa Creek	1,400	69.9	41.9	55.9	..	80.2	25	29.5	20	1.83	20	..	0.55	5	..
Earnsclough	500	74.2	45.3	59.8	-0.9*	86.0	23	35.0	20	1.87	9	+0.62	0.88	5	..
Waipiata	1,550	68.8	45.2	57.0	-0.8	81.5	23	34.0	20	2.31	10	+0.31	0.59	26	218
Alexandra	520	73.8	49.2	61.5	+0.1	85.5	23	39.2	13	2.60	9	+1.13	1.77	5	213
Garston	1,009	70.4	43.5	57.0	..	79.0	23	30.7	11	4.27	14	..	0.92	12	..
Roxburgh Hydro	350	73.4	47.0	60.2	..	86.5	25	35.0	13	1.68	11	-0.05*	0.41	26	..
Mid Dome	1,252	69.4	44.2	56.8	..	79.5	25	33.1	13	5.38	12	..	0.90	12	..
Cherry Farm, Waikouaiti	21	65.3	46.1	55.7	..	74.8	8	38.5	13	1.70	13	..	0.40	12	..
Moa Flat, West Otago	1,345	66.1	44.1	55.1	..	78.1	25	35.3	11	3.76	16	+0.81*	0.70	26	..
Taieri	80	67.8	47.0	57.4	-0.3*	83.4	14	34.7	20	2.90	13	+0.59*	0.48	9	181
Musselburgh, Dunedin	5	65.2	51.1	58.2	-0.3	77.3	25	39.1	20	3.02	16	+0.07	0.53	15	185
Tapanui	550	68.2	45.4	56.8	..	80.2	14	38.2	20	3.89	14	..	0.94	9	..
East Gore	245	68.4	46.1	57.2	-0.7	84.6	25	35.3	20	4.31	17	+1.50	1.01	14	..
Gore	240	69.3	45.5	57.4	-0.9*	84.0	25	36.5	19	4.03	17	+1.22*	1.00	14	201
Otautau	180	66.2	..	..	..	78.8	25	..	..	4.19	16	+1.18*	0.70	9	186
Pebble Hills	150	68.4	45.4	56.9	..	81.0	25	31.5	1	5.16	16	+1.68*	0.80	9	..
Invercargill	8	65.3	47.8	56.6	-0.6	78.8	14	37.2	20	5.41	18	+1.98*	1.01	9	..
Invercargill Airfield	0	65.1	44.7	54.9	-1.3*	76.8	25	33.8	1	5.31	18	+1.96*	0.97	9	190

LATE RETURNS

Te Pahi, Te Hapua, Jan 1960	200	74.8	58.6	66.7	+2.0*	80.4	29, 31	45.0	1	0.92	5	-2.47*	0.49	6	248
Dannevirke, Jan 1960	685	72.3	54.2	63.2	..	81.0	28	36.9	1	1.45	9	-1.74*	0.39	24	..

NOTE—At stations where departures from normal have an asterisk, the temperature record has been maintained for less than 10 years, the rainfall record for less than 20 years. Rainfall normals have been revised and now refer to the standard period 1921–50. Where observations are not available for the whole period, or where the site of the rain gauge has been changed, the normals are partly interpolated.

NOTES ON THE WEATHER FOR FEBRUARY 1960

General: February was particularly wet, cloudy, and warm over the northern half of the North Island. In all districts good rains were welcome after January's dry weather. In the Auckland Province dairy production was reported to have recovered after the set-back in January. On the other hand, in Gisborne and Hawke's Bay conditions were too wet and also too cloudy and humid for the fruit crops, some of which were attacked by fungus diseases. In Canterbury it was a good season for wheat, but in South Canterbury the dry weather was still retarding pasture growth.

Rainfall: Rainfall was double the average value over most of the Auckland Province. It was also somewhat above average about Cook Strait and in parts of Southland.

For Te Aroha, with 17.42 in. of rain, it was the wettest February in 54 years of observation.

Many thunderstorms were reported over the North Island on the 2nd. In the Bay of Plenty and Rotorua total rainfalls for the three days 2–4 February were as high as 6–12 in. at many stations. Serious flooding occurred in Opotiki on the 4th.

In Canterbury and Wairarapa it was appreciably drier than usual, the deficiency being mainly 40 to 60 per cent.

Temperatures: Temperatures were about two degrees above average from Wanganui northward. They were a degree above average in Nelson and on the West Coast.

Sunshine: Sunshine was below average by 45–75 hours in coastal districts from Napier to Tauranga and also in eastern Northland. In other parts of the North Island it was also somewhat below average.

Most western and southern districts of the South Island were favoured with about 30 hours more sunshine than usual.

Weather Sequence: At the beginning of the month an anticyclone was centred east of the North Island, but conditions were already commencing to deteriorate in the west and north with the advance of a trough of low pressure across the Tasman Sea. A shallow depression developed in the trough and remained near the North Island during the 2nd, 3rd, and 4th, while the trough itself moved only very slowly across the country. This was a period of northerly winds and considerable rain over the North Island, with some rain also over most of the South Island. Many thunderstorms were reported on the night of the 2nd, and by the 4th flood waters covered the town of Opotiki. Conditions improved in most districts on the 5th as the depression and trough moved away to the east; and on the following day an anticyclone centred over the North Island brought a brief spell of generally settled weather to the whole country.

Pressure remained high over the North Island, but a trough of low pressure affected the South Island on the 7th and 8th bringing rain, except to Canterbury and Otago. As the trough became slow moving for the next three days some other areas received a period of rain in turn, namely Otago, eastern districts from Napier