

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for June 1957—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Fahrenheit)								Rainfall in Inches				Bright Sunshine	
		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.	In.	In.	Hrs.				
Eyrewell	520	52.5	31.8	42.2	..	65.0	12	25.0	25	1.36	6	-1.87*	0.78	15	..
Ashley Forest	460	54.1	37.2	45.6	+2.9*	66.0	7	31.4	26	0.96	6	-1.84*	0.49	15	..
Darfield	640	53.6	33.8	43.7	+1.9	64.3	12, 14	26.4	3	1.34	7	-1.15	0.73	15	..
Harewood	94	52.9	32.8	42.8	..	63.2	12	25.0	26	1.04	11	..	0.33	15	117
Christchurch	22	54.2	34.6	44.4	+1.2	67.6	12	27.1	26	1.11	11	-1.48	0.27	1	..
Wigram	74	53.4	34.5	44.0	+0.7*	65.0	7	25.5	3	1.15	12	-1.29	0.27	15	..
Akaroa	150	53.8	39.9	46.8	+1.2	65.0	28	34.5	3, 26	3.08	12	-1.55*	0.90	1	92
Lincoln	36	53.3	32.5	42.9	+0.8	63.8	12	22.2	3	1.30	13	-1.15	0.38	15	123
Highbank	1,102	54.2	37.0	45.6	..	64.5	14	30.0	24	1.54	8	..	0.66	16	143
The Hermitage	2,510	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Winchmore	525	52.6	32.7	42.6	+2.2*	64.0	7, 12	23.0	24	1.38	6	-0.82*	0.75	15	..
Haast	15	52.4	36.1	44.2	-1.4*	57.4	13	30.0	2	13.02	17	+5.59*	2.63	30	128
Ashburton	323	55.0	33.7	44.4	+2.6	67.2	7	24.5	24	1.64	8	-0.96	0.72	15	134
Fairlie	1,004	53.7	28.2	41.0	+2.6	67.5	7	11.0	18	1.05	8	-0.75	0.51	15	..
Timaru	56	51.9	35.6	43.8	+1.4	62.2	6	27.5	24	1.04	9	-0.83	0.30	12	126
Adair	200	54.0	37.2	45.6	+2.2*	65.2	7	31.2	25	0.92	9	-1.12*	0.28	12	..
Tara Hills, Omarama	1,600	49.7	29.6	39.6	+4.3*	63.0	7	18.5	24	1.54	7	+0.09*	1.21	30	153
Milford Sound	20	48.5	36.0	42.2	+0.3	58.9	30	29.4	18	30.93	19	+16.98	11.59	30	..
Waimate	200	56.5	35.7	46.1	+2.8	70.7	7	26.8	24	1.01	11	+1.01	0.31	15	139
Naseby	2,300	48.3	27.8	38.0	..	58.4	7	17.4	18	1.10	6	..	0.37	10	..
Queenstown	1,100	49.7	34.3	42.0	+2.5	62.7	7	26.1	17	3.90	16	+1.56	2.38	30	75
Cromwell	720	51.2	31.0	41.1	+2.5*	65.0	7	19.5	18	0.82	10	-0.15*	0.32	30	..
Ophir	1,000	50.8	27.5	39.2	+3.7	63.8	7	16.0	18	0.41	9	-0.55	0.17	10	..
Earnsclough	500	52.0	28.4	40.2	+3.2*	64.5	7	18.2	17	0.34	8	-0.45*	0.07	15, 29	..
Waipiata	1,550	47.8	30.6	39.2	+2.1	58.6	11	22.8	24	1.03	7	-0.08	0.62	10	128
Alexandra	520	50.9	30.6	40.8	+3.1	64.2	7	20.5	17	0.35	8	-0.44	0.80	10, 29	122
Manorburn Dam	2,448	..	..	..	..	..	..	..	..	1.24	6	+0.05	0.82	10	..
Garston	1,009	49.3	30.9	40.1	..	62.3	8	21.3	23	3.42	15	..	1.03	10	..
Roxburgh Hydro	350	50.4	35.2	42.8	..	63.0	7	27.5	22, 23	1.80	12	+0.59*	0.93	10	..
Mid Dome	1,252	49.8	32.4	41.1	..	60.8	8	22.1	16	2.85	15	..	0.47	10	..
Moa Flat, West Otago	1,345	47.2	33.8	40.5	..	58.0	8	26.2	16, 17	3.33	15	+1.03*	0.75	10	..
Taieri	80	52.2	34.5	43.4	+1.6*	62.3	28	24.0	18	1.79	15	-0.53*	0.68	10	97
Musselburgh, Dunedin	5	51.7	37.9	44.8	+1.2*	62.2	8	29.1	17	2.46	16	-0.10	0.66	10	105
Tapanui	550	49.5	35.1	42.3	..	60.0	8	28.4	17	4.54	19	..	0.75	11	..
East Gore	245	49.9	34.9	42.4	+2.1	59.0	9	25.0	16	3.92	18	+1.17	0.85	10	..
Gore	240	50.1	34.4	42.2	+1.6*	60.0	8	25.0	17	3.47	18	+0.72*	0.60	10	86
Otautau	180	50.5	35.1	42.8	+1.2	61.0	8	21.0	17	5.83	21	+2.54*	0.86	5	84
Pebbly Hills	150	49.6	33.9	41.8	..	60.0	7	22.5	18	5.90	21	+2.46*	0.97	10	..
Invercargill	8	50.0	36.9	43.4	+0.6	61.4	8	25.2	17	7.28	25	+3.56*	0.91	11	..
Invercargill Airfield	0	49.7	35.7	42.7	+1.1*	61.0	8	23.3	17	6.82	23	+3.17*	0.88	11	68

LATE RETURNS

Paerata, May, 1957	166	64.2	46.6	55.4	+0.6*	70.7	13	41.9	31	7.18	26	+12.45	1.25	15	..
East Gore, May, 1957	245	53.9	38.1	46.0	+1.2	67.0	1	31.0	16, 17	7.53	25	+4.94	0.88	28	..

NOTES ON THE WEATHER FOR JUNE 1957

General: June was marked by an unusually high frequency of south-westerly winds, especially in the first half. In many districts it was appreciably drier than usual and this, combined with comparatively mild temperatures, made it a favourable winter month for stock and crops. By contrast, in Southland the unusually wet conditions which had prevailed in May persisted in June and became worse, with flooding at times, especially in the lower Maitara River.

Rainfall: Rainfall was about two-thirds of the normal value over the greater part of the country. It was unusually dry in Nelson and Marlborough, where many stations recorded totals below half an inch. For Nelson City with 0.22 in. of rain it was the driest June in seventy-five years of observation.

It was wetter than usual by 50 to 100 per cent in south-western areas of the South Island, that is, Southland and most of South Otago and South Westland. Similar excesses were recorded in eastern districts of the North Island from Gisborne to Waipukurau.

Temperatures: It was warmer than usual by 1 to 3 degrees except in the provinces of Auckland and Westland, where temperatures were about normal.

Snow was reported at times in inland districts of Southland and on the high country of the North Island during a spell of south-westerly weather covering the first half of the month.

Sunshine: Sunshine was mainly about normal. Inland and western districts of the North Island from Hamilton to Wanganui recorded totals 15 to 25 hours below average; while Northland, the Wairarapa-Wellington area, Canterbury, and Otago were favoured with somewhat sunnier weather than usual.

Weather Sequence: A south-westerly airstream which had covered New Zealand on the last four days of May persisted for the first

fortnight of June. An anticyclone remained centred over south-east Australia, while pressure was low to the east and south of New Zealand. The weather was continuously unsettled in Southland, with some flooding, especially in the lower Maitara River. Showers also affected parts of the Auckland and Taranaki Provinces. In addition, from the 9th to the 12th the West Coast and Otago received substantial rain as a result of the passage of a deep depression past Campbell Island and the development of a secondary centre off the east coast of the South Island. For many districts sheltered from south-westerlies this fourteen-day period was sunny and rather settled, though at times frosty.

A depression which had formed near the Kermadec Islands moved southward. By the 15th it lay to the north-east of Auckland. At the same time pressure was rising rapidly to the south behind a vigorous cold front which had moved onto the South Island. The weather cleared over Southland for a few days, but the south-easterly airstream which soon covered the country from Canterbury northward brought considerable rain, with some heavy falls in southern and eastern districts of the North Island on the 16th and 17th. A belt of high pressure developed over the South Island and on the 18th and 19th the weather was fair or fine except from Castlepoint to East Cape. Freshening westerlies in the south soon caused a deterioration in western and southern districts of the South Island; on the 21st and 22nd the passage of a trough of low pressure affected these districts and also the North Island.

During the next two days a deep depression moved from the North Tasman Sea across the North Island, with considerable rain, especially in Bay of Plenty and Hawke's Bay. For the last six days of the month depressions were passing to the south and westerly conditions prevailed. Rain was reported from the West Coast and Southland and at times from western districts of the North Island.

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