

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for December 1963—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.	°F.	In.			In.		Hrs.	
Wallaceville ..	185	66.6	49.1	57.8	-0.2	73.6	27	39.1	4	3.35	14	-0.8*	1.08	20	226
Taita ..	213	65.7	51.1	58.4	..	73.2	27	42.8	25	2.67	13	..	0.73	20	..
Gracefield, Lower Hutt ..	10	66.9	52.2	59.4	..	75.7	27	42.7	25	1.55	9	..	0.43	20	..
Makara ..	915	61.0	50.3	55.6	..	70.0	27	42.2	3	1.37	10	..	0.49	30	227
Wellington ..	415	65.4	52.0	58.7	-0.4	73.5	27	44.7	3	1.34	10	-2.9	0.43	30	242
Wellington Airport ..	25	66.2	53.6	59.9	..	74.6	31	42.6	15	1.10	10	..	0.27	30	..
Riwaka ..	25	71.7	48.5	60.1	-0.7*	78.0	27	42.0	28	0.47	5	-3.1*	0.20	30	..
Rai Valley ..	250	71.4	46.5	59.0	..	80.9	27	37.0	5	1.56	7	-5.4	0.56	2	..
Nelson Airfield ..	6	69.7	50.2	60.0	+0.6	79.3	27	42.2	3	1.49	7	-1.6*	0.72	15	300
Moutere Hills ..	450	69.5	51.8	60.6	..	74.5	27	44.0	3	0.81	7	..	0.24	15	..
Appleby, Nelson ..	57	70.6	50.7	60.6	-0.3	78.6	27	43.6	3	1.34	8	-1.5*	0.35	20	..
Woodbourne ..	90	71.7	51.0	61.4	+1.0	82.1	12	40.1	4	0.31	5	-1.9*	0.13	2	..
Blenheim ..	14	71.3	51.0	61.2	+0.4	81.0	12	41.7	3	0.41	5	-1.5*	0.22	17	265
Wither Hills ..	100	73.1	51.0	62.0	..	83.0	12	40.7	3	0.50	6	..	0.21	2	..
Lake Grassmere ..	15	68.0	52.0	60.0	-0.1*	79.8	31	40.5	3	0.94	6	-0.8*	0.56	2	240
Golden Downs ..	900	67.9	44.8	56.4	-0.7	77.1	30	37.3	26	3.17	11	-0.5	1.87	2	..
Waihopai ..	860	69.6	46.3	58.0	-2.5	83.0	6	37.0	3	3.24	8	+0.4	2.00	2	..
Westport Airfield ..	6	63.8	48.1	56.0	-1.7	67.0	8, 30	40.0	3	3.02	11	-5.1*	0.86	26	238
Jordan, Awatere ..	1,000	70.8	47.8	59.3	..	83.6	6	37.2	22	0.97	9	..	0.35	2	..
Molesworth ..	2,930	62.0	39.9	51.0	-3.8	77.3	6	30.0	3	2.64	8	+0.7	1.26	20	..
Reefton ..	630	67.8	44.9	56.4	..	82.8	8	37.4	3	2.97	14	..	0.95	10	..
Totara Flat ..	254	67.1	45.0	56.0	..	78.0	8, 9	35.0	22	2.62	12	..	0.78	19	..
Greymouth ..	13	62.1	50.1	56.1	-2.1	65.8	29	44.8	8	5.24	15	-3.7*	1.83	19	174
Kaikoura ..	326	64.1	50.6	57.4	..	78.8	31	43.1	3	2.34	11	..	0.91	20	234
Hanmer Forest ..	1,270	67.9	43.2	55.6	-2.2	81.5	5	32.0	3, 24	3.49	10	-0.3	1.95	20	222
Hokitika ..	127	62.1	47.6	54.8	-1.3	65.7	8	41.3	21	6.26	13	-3.6*	1.68	19	190
Balmoral ..	650	69.1	43.7	56.4	-0.9*	84.8	6	32.5	25	1.76	9	-0.5	1.15	20	..
Lake Coleridge ..	1,195	66.4	45.0	55.7	-1.9	85.0	5	35.0	3	1.72	6	-1.1	1.00	20	..
Eyrewell ..	520	69.5	45.7	57.6	-0.9*	89.9	6	34.0	3	2.90	10	-1.0*	1.42	20	..
Franz Josef ..	420	61.8	45.6	53.7	-1.8*	70.9	9	38.4	21	9.14	15	-9.1*	1.87	19	..
Ashley Forest ..	350	67.6	47.8	57.7	-1.4	84.0	6	37.0	3	3.21	9	+0.0	2.35	20	..
Darfield ..	640	70.5	45.9	58.2	-0.7	88.7	6	35.0	3	2.69	10	-0.2	1.53	20	..
Christchurch Airport ..	94	68.1	48.6	58.4	-0.3*	86.3	6	40.2	4	3.87	10	+1.7*	3.13	20	210
Christchurch ..	22	68.5	49.2	58.8	-1.0	86.2	6	40.1	3	4.80	9	+2.4	4.26	20	..
Hororata ..	631	68.7	44.4	56.6	..	87.8	6	33.8	3	2.51	12	..	1.26	20	..
Onawe, Akaroa ..	150	67.1	49.5	58.3	-2.0	85.8	6	41.0	3	14.85	13	+12.1*	8.55	20	195
Lincoln ..	36	68.1	46.0	57.0	-1.7	86.0	6	34.6	3	3.52	11	+0.9	2.73	20	214
Highbank ..	1,102	66.2	46.0	56.1	-1.8*	81.0	5	38.0	3	2.88	12	-0.8*	1.58	20	207
The Hermitage ..	2,510	62.9	44.5	53.7	-0.9	76.0	5	33.0	3	8.10	12	-6.6	1.40	1	193
Haast ..	12	60.3	44.8	52.6	-2.1	68.9	21	36.0	14	8.02	16	-4.8*	2.66	19	197
Winchmore ..	526	66.9	44.4	55.6	-2.1	85.9	6	34.3	18	2.34	11	-0.9*	1.09	20	..
Ashburton ..	323	70.2	45.7	58.0	-1.1	91.1	6	35.4	3	1.75	9	-1.1	0.88	20	199
Temuka ..	80	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mount John ..	3,370	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Tekapo ..	2,240	66.0	43.7	54.8	-2.5	79.5	5	34.5	3	1.45	6	-0.9	0.47	20	283
Fairlie ..	1,004	66.7	43.7	55.2	-1.9	85.5	5	32.0	22	1.72	8	-1.3	0.65	21	..
Lake Pukaki ..	1,660	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Levels, Timaru ..	75	66.8	45.2	56.0	..	84.3	6	32.9	3	2.07	7	..	0.66	19	..
Timaru ..	56	68.7	48.0	58.4	-0.3	82.2	6	36.7	3	2.76	10	-0.1	0.95	19	204
Adair ..	280	63.9	47.0	55.4	-1.8*	79.3	6	37.8	22	2.78	13	+0.0*	0.79	19	..
Tara Hills, Omarama ..	1,600	69.9	42.4	56.2	-1.7	85.8	5	30.5	3	0.57	7	-1.6*	0.20	19	235
Benmore, Otematata ..	920	70.7	46.8	58.8	..	87.6	5	37.5	22	1.19	12	..	0.66	19	..
Lake Hawea ..	1,147	69.2	49.2	59.2	..	78.6	10	39.2	3	1.17	9	-1.3	0.37	10	..
Milford Sound ..	16	60.0	46.7	53.4	-2.0	67.8	9	41.0	14	16.90	20	-6.5	5.15	28	..
Waimate ..	200	66.5	47.4	57.0	-0.8	85.5	6	36.0	22	2.31	12	-0.8	0.85	19	174
Naseby Forest ..	2,300	64.4	38.9	51.6	-2.5	80.0	5	27.0	22	2.55	11	+0.0*	0.64	10	..
Queenstown ..	1,080	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell ..	720	72.1	47.2	59.6	-0.6*	85.8	5	33.7	22	0.76	6	-0.6*	0.34	9	..
Ophir ..	1,000	68.9	42.8	55.8	-2.5	80.8	10	29.0	22	2.76	5	+1.1	2.29	10	..
Moa Creek ..	1,000	67.4	41.3	54.4	-1.0*	82.2	5	26.2	22	1.23	6	-0.5	0.61	10	..
Earnsclough ..	500	70.6	42.5	56.6	-3.0	87.0	5	29.0	22	0.61	8	-0.7*	0.22	10	..
Waipiata ..	1,550	65.9	40.9	53.4	-2.6	80.5	5	29.5	22	1.18	9	-0.8	0.35	11	..
Alexandra ..	461	70.0	47.4	58.7	-1.5	86.3	5	34.9	22	0.52	6	-0.8	0.18	10	254
Roxburgh Hydro ..	350	68.7	44.8	56.8	-2.9*	85.0	5	33.8	22	1.51	10	-0.4*	0.50	10	..
West Arm, Lake Manapouri ..	593	58.4	46.0	52.2	..	74.6	10	37.6	14	12.23	20	..	2.20	28	..
Mid Dome ..	1,252	63.0	41.1	52.0	-3.6*	78.2	5	32.1	22	2.99	10	-0.3*	0.94	20	..
Cherry Farm, Waikouaiti ..	21	64.7	..	..	..	87.3	6	..	..	1.89	15	..	0.25	29	..
Moa Flat, West Otago ..	1,345	60.8	41.6	51.2	-2.0	74.7	5	32.8	22	2.07	13	-1.0	0.70	1	..
Taieri ..	80	65.5	43.6	54.6	-1.4	84.0	6	31.0	7	2.66	12	-0.2	0.64	1	..
Musselburgh, Dunedin ..	5	61.8	47.9	54.8	-2.0*	78.3	6	40.5	18	2.84	15	-0.1	0.75	13	171
Dunedin Airport ..	4	65.2	43.1	54.2	..	83.0	6	33.0	3	2.25	17	..	0.56	1	158
Riversdale ..	419	64.1	41.3	52.7	..	75.2	5	31.2	23	1.63	9	..	0.35	1	..
Tapanui ..	740	63.2	43.3	53.2	-2.6	78.0	5	34.8	22	2.09	10	-1.0	0.50	1	..
Berwick Forest ..	60	65.6	42.5	54.0	..	82.7	6	33.3	4	1.95	14	..	0.61	1	..
Rankleburn Forest ..	835	62.2	42.7	52.4	..	78.0	5	33.6	22	2.35	16	..	0.46	1	..
East Gore ..	245	64.3	43.9	54.1	-2.2	79.0	5	32.0	22	2.23	16	-0.9	0.56	1	..
Gore ..	230	65.0	42.9	54.0	-2.7	81.0	5	34.0	22	2.58	17	-0.5*	0.52	1	152
Otautau ..	180	61.4	42.3	51.8	-3.6*	72.0	28	31.0	5	2.19	14	-1.4*	0.60	19	164
Pebble Hills ..	138	63.5	44.4	54.0	-1.5*	78.0	5	32.0	14, 22	2.41	18	-1.1*	0.48	1	..
Invercargill Airfield ..	0	60.2	43.1	51.6	-3.4	72.1	7	32.1	15	3.02	22	-0.6*	0.58	20	168
Scott Base, Antarctica ..	45	..	..	22.5	..	35.2	..	6.4	..	..	..	..	..	..	..

Supplementary data sunshine: Foxton, 228 hrs.

LATE RETURNS

Paeroa, Nov 1963 ..	27	68.0	47.8	57.9	-1.4	74.1	26	32.8	12	3.48	16	-0.3	0.66	8	..
Havelock North, Nov 1963 ..	30	67.0	44.3	55.6	-0.9*	78.4	16	30.6	12	1.55	8	-0.4*	0.85	9	..
Onawe, Akaroa, Nov 1963 ..	150	64.6	46.4	55.5	-1.6	79.0	21	34.8	7	3.62	13	+1.1*	0.95	8	212
Temuka, Nov 1963 ..	80	..	41.0	..	..	..	..	31.5	7	2.24	10	..	0.52	8	..
West Arm, Lake Manapouri, Nov 1963 ..	593	54.1	41.8	48.0	..	70.0	30	32.4	7	19.11	21	..	4.11	14	..
Taieri, Nov 1963 ..	80	62.5	39.8	51.2	-2.2	74.9	15	30.0	9	1.87	13	-0.4*	0.40	4	..

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.