

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for December 1971—continued

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Celsius)								Rainfall in Millimetres					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.			Maxi-mum	Date	Mini-mum	Date				Amount	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	mm			mm		Hrs.	
Dunedin Airport ..	1	20.0	9.5	14.8	+1.3	29.2	18	2.5	23	52	13	-14	19	20	145
Musselburgh, Dunedin ..	2	19.1	11.3	15.2	+1.3	31.0	19	7.0	21	56	12	-18	19	26	143
Oamaru ..	30	19.2	10.8	15.0	+0.6	26.5	18	4.2	8	54	8	-10	17	26	148
West Arm, Lake Manapouri	180	19.4	9.8	14.6	+1.5	25.9	14	4.0	2	378	17	+58	95	25	..
Borland Saddle ..	991	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown ..	329	21.8	10.3	16.1	+1.5	28.2	14	4.2	8	43	8	-18	20	19	211
Queenstown Aerodrome ..	352	21.2	9.3	15.3	..	26.5	14	4.0	2	46	8	..	22	19	..
Mid Dome ..	387	20.7	8.1	14.4	+1.1	27.5	18	1.6	2	78	..	-6	34	19	..
Cromwell ..	213	24.1	10.5	17.3	+1.0	30.9	14	4.4	8	33	10	-3	13	26	..
Moa Creek ..	427	22.8	7.3	15.1	+1.8	28.7	15	-0.5	9	38	9	-5	9	19	..
Earnsclough ..	152	23.8	9.7	16.8	+1.8	31.6	14	3.1	5	17	7	-16	9	19	..
Alexandra ..	141	23.6	11.0	17.3	+1.4	30.0	14	5.0	1	34	12	-1	11	19	192
Roxburgh (Power Station)	110	23.1	10.8	17.0	+1.9	30.0	11	2.5	1	47	10	-1	15	19	..
Moa Flat ..	410	19.5	8.6	14.1	+2.1	26.3	11	2.7	1	73	12	-6	23	19	..
Mahinerangi Dam ..	396	17.5	8.6	13.1	+1.3	24.5	12	2.5	23	67	12	-32	19	20	..
Tapanui ..	226	20.2	9.4	14.8	+1.4	28.0	18	4.5	5	72	15	-7	19	19	..
Rankleburn Forest ..	255	19.3	8.8	14.1	+1.1	28.2	18	3.0	5	71	10	-5	19	19	..
Taieri Mouth ..	15	17.7	9.0	13.4	..	26.5	19	3.2	5	49	9	..	19	20	..
Otautau ..	55	19.2	7.8	13.5	+0.3	26.6	15	1.2	4	71	9	-20	20	19	120
Winton ..	44	19.8	8.8	14.3	+0.7	28.0	17	1.2	4	79	12	..	24	19	165
Gore ..	124	19.6	9.7	14.7	..	28.7	18	4.2	23	61	17	..	23	19	129
Hokonui Forest ..	46	20.2	9.1	14.7	+1.1	27.0	17	2.0	4	73	14	-16	36	19	..
Woodlands ..	47	20.2	8.5	14.4	..	26.6	12	2.2	4	81	16	..	22	19	..
Invercargill Aerodrome	0	19.8	9.1	14.1	+1.8	26.5	18	3.0	5	96	15	+5	22	25	158
Tiwai Point, Bluff ..	5	18.5	10.4	14.5	..	28.2	17	4.9	2	90	13	..	32	25	..
Milton ..	18	20.0	9.5	14.8	+0.9	29.9	18	1.6	5	45	12	..	19	19	..
Finegand, Balclutha ..	6	19.2	9.0	14.1	+0.7	26.6	18	2.0	6	35	9	..	20	19	146
Nugget Point ..	131	16.8	10.0	13.4	..	23.6	25	6.5	8	58	22	..	16	19	..
Rarotonga Airport, Cook Is.	5	28.4	22.8	25.6	+0.7	29.6	10	20.4	13	135	15	-104	54	20	221
Raoul Island, Kermadec Is.	38	22.2	18.1	20.2	-0.3	25.6	3	16.1	6	41	13	-55	12	4	202
Waitangi, Chatham Islands	48	16.2	9.4	12.8	-0.2	20.7	31	3.9	12	26	10	-32	5	3	218
Campbell Island ..	15	11.9	6.3	9.1	+0.6	17.2	30	-0.9	5	151	..	..	32	18	92
Scott Base, Antarctica ..	18	-2.3	-8.7	-5.5	-0.1	2.4	21	-12.5	13	..	..	..	..	..	..
Lake Vanda, Antarctica ..	104	2.9	-3.1	-0.1	..	8.6	26	-7.4	10	..	..	..	..	..	..

LATE RETURNS

Te Paki Station, Te Hapua, November 1971	58	..	..	..	..	..	..	..	..	93	..	+17	34	16	231
Woodhill Forest, November 1971	31	19.9	10.5	15.2	+0.3	22.0	12	3.8	3	137	16	+51	44	16	..
Tairua Forest, November 1971 ..	3	20.5	10.6	15.6	-0.1	23.4	14	7.2	12	127	12	+10	38	15	..
Pukekohe, November 1971 ..	82	19.6	11.0	15.3	..	21.0	9	7.5	2	135	17	..	34	8	186
Makahu Spur, November 1971 ..	1,479	9.6	2.2	5.9	..	16.0	29	-2.0	3	..	..	..	..	..	..
Ruatoria, November 1971 ..	61	20.8	10.8	15.8	+0.9	24.8	30	6.1	3	159	16	+62	52	16	..
Mangatu Forest, November 1971 ..	174	20.5	9.4	15.0	+0.5	26.0	29	5.5	2	91	12	+7	21	16	..
Kahui, Taihape, October 1971 ..	518	14.5	6.7	10.6	..	18.6	17	3.0	1	130	19	..	27	18	..
Kahui, Taihape, November 1971 ..	518	18.1	8.0	13.1	..	20.4	17	1.3	22	71	15	..	15	26	..
Whitemans Valley, November 1971 ..	235	16.7	7.5	12.1	..	20.5	6	3.0	22	78	8	..	33	19	..
Christchurch, November 1971 ..	7	19.0	8.9	14.0	+0.2	24.9	30	6.0	22	29	7	-22	13	14	..
Ikawai, November 1971 ..	70	17.6	6.7	12.2	..	23.0	29	2.0	23	34	6	..	19	15	..
Temuka, November 1971 ..	24	17.8	6.8	12.3	+0.1	26.0	29	2.5	12	50	8	..	17	13	..
Moa Creek, November 1971 ..	427	17.8	4.3	11.1	0.0	24.2	10	0.1	16	39	9	+9	14	15	..
Ngaumu Forest, November 1971 ..	244	18.8	7.2	13.0	+0.6	23.4	12	2.4	2	59	11	-17	14	16	..
Makaretu, November 1971 ..	335	19.9	8.1	13.6	..	23.4	12	1.1	22	93	14	..	13	20	..

The "normal" refers to the present site of the instruments. The standard periods for normals are: for temperature 1931-60, for rainfall 1921-50, and for sunshine, 1935-60. No normals are available for stations with only short records.

*The sunshine recorder is not located at the station but is in the near vicinity.

NOTES ON THE WEATHER FOR DECEMBER 1971

General—December was a warm month, and dry in the South Island. It was a good month for stock, and there was plenty of growth except in parts of Marlborough and Canterbury, where it was too dry. As in most previous months of 1971, there was an unusually high frequency of north-easterly winds.

Rainfall—In the South Island rainfall was below normal, except in Western Southland. In Marlborough, Canterbury, and parts of Central Otago it was from a tenth to a half of the normal value.

In the North Island rainfall was mainly within 50 percent of the normal value. However, in parts of Auckland, Waikato, Bay of Plenty, and Northern Hawke's Bay it was more than 50 percent above; while in Wellington it was more than 50 percent below normal.

Very little rain was recorded anywhere in the country from the 10th to the 18th, and most places had none during this period.

Temperatures—Temperatures were above normal, mainly by 1-1½°C.