

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for September 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.			Maximum	Date	Minimum	Date					Amount	Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm		mm		Hrs.			
Taiaroa Head	76	13.1	6.3	9.2	+0.6	19.0	10	2.0	23	65	11	+17	37	22	..
Albert Town	293	14.2	2.3	8.3	..	18.1	10	-3.4	24	92	11	..	23	21	..
Taiari	24	14.4	4.0	9.2	+0.9	21.1	10	-1.6	24	82	11	+31	37	22	..
Berwick Forest	18	14.4	3.5	9.0	+0.7	21.1	27	-2.4	24	65	13	+12	17	22	..
Dunedin Airport	1	14.4	4.0	9.2	+0.7	20.4	10	-0.8	12	67	13	+21	25	22	144
Musselburgh, Dunedin	2	13.3	5.4	9.4	+0.2	20.4	10	2.0	15	74	11	+18	33	22	143
Oamaru	30	14.4	5.1	9.8	+0.7	20.5	19	-1.0	24	12	8	-24	5	11	161
West Arm, Lake Manapouri	180	9.7	3.1	6.4	+0.6	14.8	10	-1.4	24	541	26	+211	71	10	..
Borland Saddle	991	4.6	-0.8	1.9	..	9.0	10	-5.0	25	294	17	..	61	10	..
Queenstown	329	12.9	3.6	8.3	+0.3	18.9	10	-0.3	24	106	15	+40	39	10	165
Queenstown Aerodrome	352	12.6	2.4	7.5	..	19.0	10	-1.9	24	79	12	..	35	10	..
Mid Dome	387	11.5	3.7	7.6	-0.2	18.4	10	-3.3	24	106	14	+35	34	10	..
Cromwell	213	14.4	3.3	8.9	+0.2	19.2	10	-2.6	24	54	11	+26	25	10	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnsclough	152	14.9	2.6	8.8	+0.8	20.5	10	-3.1	24	48	7	+25	26	10	..
Alexandra	141	14.7	3.4	9.1	+0.4	21.7	10	-2.3	24	35	9	+15	15	10	160
Roxburgh (Power Station)	110	13.9	3.1	8.5	-0.6	20.0	10	-2.3	24	36	12	+3	7	28	..
Moa Flat	410	11.5	2.2	6.9	-0.1	17.1	10	-2.4	23	62	12	+11	11	22	..
Mahinerangi Dam	396	11.6	2.2	6.9	..	17.0	10	-1.9	23	95	14	..	34	21	..
Tapanui	226	12.6	3.6	8.1	-0.1	18.5	10	-0.7	24	91	14	+25	32	21	..
Rankleburn Forest	255	..	3.1	..	..	..	..	-2.6	24	96	15	..	26	21	..
Taiari Mouth	15	13.2	3.9	8.6	..	20.4	27	-1.5	24	83	9	..	38	22	..
Otautau	55	13.1	2.7	7.9	-0.1	19.0	10	-4.0	24	164	17	..	28	10	131
Winton	44	12.9	3.8	8.4	0.0	18.3	10	-1.6	24	94	15	..	20	21	134
Gore, D.S.I.R.	124	12.5	3.7	8.1	..	19.4	10	-1.9	24	79	22	..	17	21	130
Hokonui Forest	46	13.5	4.4	9.0	+0.6	18.5	10	-1.0	17	100	18	+26	26	21	..
Woodlands	47	12.8	3.9	8.4	..	16.9	18	-1.3	24	123	23	..	25	21	..
Invercargill Aerodrome	0	13.7	3.7	8.7	+0.8	18.3	10	-1.8	24	142	21	+58	21	21	116
Tiwai Point, Bluff	5	12.6	6.3	9.5	..	18.0	10	0.7	24	164	21	..	22	4	..
Milton	18	14.0	4.1	9.0	+0.5	20.3	27	-1.3	17	86	13	+35	33	22	..
Finegand, Balclutha	6	13.7	3.9	8.8	+0.6	20.1	10	-2.1	24	78	16	..	22	21	125
Nugget Point	131	11.8	5.1	8.5	..	17.4	10	1.2	5	114	26	..	21	22	..
Rarotonga Airport, Cook Is.	5	25.8	20.3	23.1	+1.6	27.7	1	16.6	11	69	14	-45	19	26	180
Raoul Island, Kermadec Is.	38	19.9	14.4	17.2	+1.2	21.9	23	10.8	4	79	12	-30	32	19	172
Waitangi, Chatham Islands	48	12.4	6.7	9.6	+1.6	14.7	28	2.1	15	48	17	-16	11	20	125
Campbell Island	15	7.4	2.1	4.8	-0.1	10.1	10	1.8	6	124	25	..	18	27	58
Scott Base, Antarctica	18	..	..	-23.2	+5.1	-8.3	24	-44.3	14	..	..	..	..	..	..

LATE RETURNS

Te Paki Station, Te Hapua, July 1971	58	15.8	8.0	11.9	+0.4	18.4	26	2.5	13	234	21	+49	47	21	..
Te Paki Station, Te Hapua, Aug. 1971	58	17.1	8.1	12.6	+0.7	19.5	25	1.4	20	134	22	+20	56	26	..
Woodhill Forest, July 1971	31	14.0	6.0	10.0	-0.4	17.4	1	-2.0	17	108	16	-24	37	2	..
Woodhill Forest, Aug. 1971	31	15.9	7.9	11.9	+1.2	19.6	17	-0.4	23	156	18	+37	27	4	..
Minginui Forest, Aug. 1971	366	..	2.7	..	..	..	..	-6.3	23	257	17	+120	66	11	..
Whatawhata, Aug. 1971	104	15.2	6.9	11.1	+1.6	18.4	16	-0.5	22	214	18	+69	32	30	134
Whitemans Valley, Aug. 1971	235	12.3	2.7	8.8	..	16.0	8	-1.9	22	242	15	..	70	16	..
Franz Josef, Aug. 1971	122	12.7	3.3	8.0	+0.4	16.1	12	-1.4	3	384	19	-58	83	31	..
The Jordan, Awatere Valley, July 1971	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Jordan, Awatere Valley, Aug. 1971	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Temuka, Aug. 1971	24	12.1	2.4	7.3	+1.3	17.3	15	-2.9	21	30	11	..	9	17	..

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 SEPTEMBER 1971

General—In contrast with previous months, September was marked by a greater frequency than normal of winds from a westerly quarter. It was also a warm month, especially in the east. Farmers found the weather too wet over the greater part of the North Island. On the other hand, in parts of Canterbury it was too dry.

Unusually violent north-westerly gales buffeted Canterbury and Otago on the 10th and 11th, with considerable damage in some inland districts.

Rainfall—Rainfall was above normal over the North Island north of Paraparumu and Masterton; and in the South Island on the West Coast and in the Alps, and in Southland and most of

Otago. In Waikato and parts of Bay of Plenty and in Central Hawke's Bay it was more than double the normal value.

In Nelson, Marlborough, most of Canterbury, and North Otago rainfall was below normal, being less than half in some coastal districts from north of Timaru to west of Nelson city.

Temperatures—Temperatures were 1° c above normal in eastern districts of both Islands but close to or only slightly above normal in the west.

Sunshine—West of the main ranges from Waikato to Manawatu sunshine was 20-50 hours below normal. It was also below normal on the Southland coast.