

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

Station	Height of Station Above M.S.L.	Air Temperatures in Degrees (Celsius)								Rainfall in Millimetres					Bright Sun-shine
		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		mm			mm		Hrs
Taieri	24	12.0	1.6	6.8	+0.5	17.2	25	-5.3	2	79	12	+31	19	23	..
Berwick Forest	18	11.7	1.7	6.7	+0.5	16.0	25	-3.6	3	55	13	+4	10	16	..
Dunedin Airport.. ..	1	12.0	0.8	6.4	0.0	15.9	25	-6.0	20	55	14	+12	12	5	98
Musselburgh, Dunedin	2	11.3	4.8	8.1	+0.8	16.5	26	0.8	2	66	12	+8	15	23	93
Oamaru	30	11.5	3.7	7.6	+0.3	15.9	15	-0.5	20	41	14	+11	15	28	115
West Arm, Lake Manapouri	180	7.1	2.0	4.6	+0.4	10.5	26	-2.5	23	319	24	+35	50	25	..
Borland Saddle	991	5.5	0.4	3.0	..	9.5	12	-4.6	19	..	..	..	..	..	..
Queenstown	329	9.9	1.8	5.9	+0.5	14.8	26	-3.3	3	56	13	-8	15	31	117
Queenstown Aerodrome	352	10.1	3.5	6.8	..	15.5	26	-4.8	3	37	14	..	13	31	..
Mid Dome	387	11.3	0.7	6.0	+0.9	17.1	25	-6.5	2	43	11	-13	14	31	..
Cromwell	213	11.2	0.2	5.7	+0.6	17.2	8	-7.1	3	36	11	+16	8	16	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnscleugh	152	12.0	-0.8	5.6	+0.8	16.8	25	-6.6	2	29	9	+14	16	5	..
Alexandra	141	11.9	0.0	6.0	+0.7	18.5	26	-5.4	3	21	9	+6	6	26	142
Roxburgh (Power Station)	110	12.0	1.5	6.8	+0.1	18.5	26	-6.0	3	20	12	-5	4	26	..
Moa Flat	410	9.8	1.6	5.7	+0.7	15.6	25	-2.8	2	36	12	-1.0	8	31	..
Mahinerangi Dam	396	9.7	0.7	5.2	..	15.2	25	-4.6	2	82	16	+16	33	16	..
Tapanui	226	11.6	2.7	7.2	+1.1	16.5	25	-3.0	3	68	15	+10	21	16	..
Rankleburn Forest	255	10.2	1.9	6.1	+0.7	14.5	26	-4.5	3	40	16	-16	13	31	..
Taieri Mouth	15	11.0	2.6	6.8	..	15.0	26	-2.0	4	58	11	+2	13	31	..
Otautau	55	11.6	1.1	6.4	+0.4	17.8	25	-5.5	4	53	18	-23	18	31	117
Winton	44	11.9	2.1	7.0	+0.6	17.5	25	-4.6	3	46	14	..	13	31	132
Gore	72	11.7	2.4	7.1	+0.8	17.8	25	-4.0	4	35	12	-18	11	31	128
Hokonui Forest	46	11.9	1.9	6.9	+0.8	17.5	25	-4.8	4	38	14	-31	10	31	..
Woodlands	47	11.6	2.5	7.1	..	17.0	25	-3.8	3	44	18	..	8	31	..
Invercargill Aerodrome	0	11.6	1.5	6.6	+0.5	19.0	25	-4.2	4	52	18	-24	8	26	120
Tiwai Point, Bluff	5	11.4	3.3	7.4	..	17.0	25	-2.0	3	58	18	..	10	26	..
Milton	18	11.4	0.7	6.0	+0.2	15.8	25	-6.2	4	54	17	..	11	16	..
Finegand, Balclutha	6	11.4	1.9	6.7	+0.9	15.0	25	-4.4	4	37	15	..	8	5	95
Nugget Point	131	10.2	4.8	7.5	..	14.1	11	0.5	4	59	20	..	16	31	..
Rarotonga Airport, Cook Is.	5	24.9	19.1	22.0	+0.5	27.4	19	17.0	14	144	17	-45	43	27	165
Raoul Island, Kermadec Is.	38	19.4	14.9	17.2	+1.2	21.4	29	9.8	21	275	16	+130	79	6	171
Waitangi, Chatham Islands	48	11.3	6.5	8.9	+0.9	13.8	26	1.7	23	50	23	-31	8	13	86
Campbell Island	15	8.2	3.3	5.8	+0.9	10.0	26	4.4	2	122	24	..	36	30	29
Scott Base, Antarctica	18	..	..	-30.4	+0.6	-9.0	24	-47.0	19	..	..	..	..	..	..

LATE RETURNS

Te Aroha, July 1971	12	14.5	2.0	8.3	-0.8	19.0	27	-1.7	14	272	15	-97	158	2	..
Tarawera Forest, July 1971	61	14.4	-0.6	6.6	-0.3	17.8	27	-4.0	24	125	8	-66	73	26	..
Whatawhata, July 1971	104	13.7	4.1	9.0	+0.6	16.5	27	-2.5	17	129	10	-36	62	2	151
Ruatoria, July 1971	61	14.0	5.7	9.9	+0.7	19.4	27	0.4	7	314	20	+121	93	2	..
Makaretu, July 1971	335	10.9	3.4	7.2	..	16.2	27	0.5	19	98	25	..	22	2	..
Ski Basin, Craigieburn, July 1971	1,555	0.5	-4.3	-1.9	+0.2	5.0	25	-10.2	8	..	..	..	..	..	..
Craigieburn Forest, July 1971	915	6.1	-2.5	1.8	+0.7	10.4	25	-7.3	9	32	15	-80	9	28	..
Camp Stream, Craigieburn, July 1971	1,433	1.0	-2.3	-0.7	0.0	5.6	25	-7.7	8	..	..	..	..	..	..
Lake Pukaki No. 2, July 1971	556	4.7	-1.9	1.4	..	10.9	28	-8.5	11	8	6	..	6	4	..
Adair, July 1971	85	9.3	1.7	5.5	-0.2	15.1	28	-2.1	10	16	11	-27	6	14	..
Lower Retaruke, June 1971	223	14.6	5.7	10.1	..	19.5	4	-1.8	21	131	23	..	25	28	..

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 AUGUST 1971

General—August was unusually mild, especially in the North Island, and it brought to an end a particularly mild winter. Farming conditions varied considerably. In some northern and eastern districts of the North Island and also in Otago the ground was too wet. In Northland, in eastern districts of the North Island, and about Cook Strait serious losses of new-born lambs were reported, some in a violent south-easterly gale with rain affecting especially the Cook Strait area from the 16th to the 18th.

This was another month with an unusually high frequency of north-easterly flow.

Rainfall—In the North Island rainfall was mainly up to 50 percent above normal, but in the South Island it was predominantly 25 percent below normal.

B

Central Canterbury with Banks Peninsula had less than half the normal value. On the other hand, several areas had more than double the normal value, namely Northland, from south of Kaitaia to Whangarei, the East Coast as far south as Tokomaru Bay, and the area about Cook Strait.

Northland received its heaviest rain on the 2nd and 3rd, some stations recording as much as 200 mm over these 2 days; and flooding was reported. The East Coast's heavy rain was on the 7th. The area about Cook Strait received its heavy rain on the 16th and 17th; Wellington Airport was drenched by 131 mm in 12 hours.

Temperatures—Temperatures were well above normal, except in Fiordland and on the Southland and Otago coast, where they were close to normal. Departures averaged 1½°C over the North Island, reaching more than 2°C around Rotorua and Waiouru. Over most