



LAND & DEEDS OFFICE

5 AUG 1981

CHICAGO

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 23 JULY 1981

Published by Authority

WELLINGTON: MONDAY, 27 JULY 1981

CLIMATOLOGICAL TABLE FOR MAY 1981

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1981—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine Hrs	
		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.			Max-imum	Date	Mini-um	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Ruakura, Hamilton	40	16.8	5.6	11.2	-0.1	21.9	9	-0.4	17	44	13	-68	14	8	161
Whatawhata	104	16.6	6.5	11.6	-0.1	21.7	10	0.3	24	78	15	-72	30	8	151
Rukuhia	66	16.6	6.7	11.7	+0.1	21.7	10	0.7	14	41	16	-73	12	8	154
Hamilton Airport	50	17.1	4.0	10.6	-0.3	22.0	9	-2.1	26	38	14	-74	13	8	..
Cambridge	76	16.6	5.5	11.1	..	21.6	10	-0.6	25	64	14	..	27	31	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Station Mokau	46	16.3	8.6	12.5	-0.1	19.5	8	4.3	13	56	..	-117	13	19	..
Arapuni Power Station	123	16.5	5.0	10.8	-0.2	22.4	9	-4.0	24	89	13	-38	36	8	..
Waikeria	46	16.9	4.2	10.6	..	22.0	9	-2.3	24	60	12	..	20	31	..
Te Kuiti	61	16.3	4.8	10.6	-0.4	20.8	10	-1.0	26	85	16	-57	20	8	142
Wairere	122	16.1	4.3	10.2	..	19.8	10	-2.6	25	91	13	-59	18	8	..
Pureora Forest	549	..	3.2	..	..	..	..	-2.3	14	80	15	-85	18	8	..
Taumarunui	171	16.1	3.9	10.0	-0.3	21.7	9	-2.2	25	66	15	-66	17	10	127
Omata	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth	55	16.7	8.4	12.6	..	20.0	10	3.8	14	125	13	..	57	31	..
New Plymouth Airport	27	16.3	7.6	12.0	+0.2	20.0	10	3.0	14	56	13	-107	11	19	176
Tikorangi	77	15.9	7.2	11.6	..	19.7	9	2.6	14	95	16	..	28	31	..
North Egmont	955	10.1	4.2	7.2	..	13.9	3	0.2	13	459	17	..	92	20	..
Te Wera Forest	180	15.5	3.6	9.6	+0.1	19.0	9	-3.5	27	105	14	-70	36	31	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	14.7	3.1	8.9	-0.6	18.5	5	-2.8	26	125	11	..	53	8	174
Chateau, Mt Ruapehu	1119	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangamutu, Pahiatua	116	14.8	3.8	9.3	-0.6	21.3	10	-3.0	17	176	13	+62	30	17	..
Mt Bruce Reserve	305	13.8	4.1	9.0	+0.1	21.0	10	-2.8	16	222	22	..	60	20	..
Waingawa, Masterton	114	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kopua	311	13.6	5.0	9.3	-0.4	19.6	10	-1.5	17	119	18	+17	45	21	..
Waipukurau	137	14.9	4.9	9.9	-0.1	20.8	10	-2.4	17	97	13	+13	38	21	128*
Dannevirke	207	14.3	4.9	9.6	-0.5	21.6	10	-2.9	17	117	16	+15	39	21	115
Porangahau	8	16.1	6.9	11.5	..	21.8	8	0.4	17	107	16	..	27	21	..
Castlepoint	3	15.4	..	..	..	21.0	4	..	..	150	13	+36	79	20	..
Ngaumu Forest	244	14.5	3.4	9.0	-0.1	22.5	10	-2.5	17	371	16	+231	184	20	..
Tauherenikau, Alloa	43	15.2	4.9	10.1	-0.4	22.4	9	-0.4	29	174	20	+67	101	20	..
Gladstone, Arahura	116	14.5	4.3	9.4	-0.6	21.8	10	-2.0	30	228	11	+116	139	20	..
Waiorongomai	21	14.4	6.1	10.3	+0.0	21.6	9	1.2	17	237	14	+82	110	20	..
Cape Palliser	10	14.7	9.4	12.1	-0.6	23.0	8	4.9	30	219	16	+100	123	20	..
East Cape	17	16.7	11.1	13.9	+0.0	20.1	10	5.3	15	95	19	-47	34	20	..
Ruatoria	61	17.1	7.8	12.5	+0.0	23.9	10	0.8	18	216	14	+10	52	20	..
Mangatu Forest	182	15.6	6.2	10.9	-0.2	22.4	10	-0.5	14	143	17	+11	78	21	..
Manutuke Gisborne	9	16.6	6.9	11.8	+0.0	23.0	10	-0.4	15	87	16	-17	42	21	..
Gisborne Airport	4	16.4	6.9	11.7	-0.4	22.7	10	1.3	18	101	14	-8	31	21	116
Onepoto, Waikaremoana	643	12.3	5.8	9.1	-0.1	19.8	10	0.5	14	255	17	+44	140	21	..
Wharerata Forest	439	..	..	..	..	..	..	..	..	187	..	..	53	21	..
Esk Forest	427	12.9	5.5	9.2	-0.7	20.6	10	-1.0	30	227	14	+54	146	21	..
Kaweka Forest	414	13.6	6.8	10.2	-0.2	21.9	10	1.4	14	127	13	..	64	21	..
Napier Airport	2	15.9	6.5	11.2	..	21.0	11	0.5	17	66	14	-23	30	21	..
Napier	2	16.5	7.3	11.9	-0.1	22.3	10	0.3	15	38	11	-46	14	20	135
Hastings	12	16.3	6.0	11.2	-0.5	21.9	10	-0.5	15	71	13	-10	35	21	..
Havelock North	9	16.1	4.5	10.3	-0.2	21.2	10	-1.7	15	81	13	+2	41	21	128
Gwavas Forest	335	13.9	4.1	9.0	+0.0	21.2	10	-1.5	14	119	17	+10	53	21	..
Makaretu	335	14.4	4.2	9.3	-0.5	20.9	10	-2.0	17	111	17	..	37	21	..
Mohaka Forest	286	14.3	5.5	9.9	-0.8	21.6	10	-0.1	14	195	15	+43	118	21	..
Frasertown, Wairoa	8	16.2	6.8	11.5	-0.4	24.5	10	1.9	14	156	18	+9	59	21	..
Wairoa	20	..	7.3	..	..	..	..	1.1	14	142	16	..	53	21	119
Portland Island	78	15.5	11.1	13.3	+0.1	20.0	11	6.3	14	100	18	-9	43	21	..
Kapiti Island	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	15.1	5.9	10.5	-0.6	21.2	9	0.3	28	107	10	+3	65	20	157
Flockhouse, Bulls	9	15.5	5.0	10.3	-0.6	21.8	9	-0.7	28	105	13	+21	25	21	..
Ohakea	48	15.2	6.4	10.8	-0.5	22.0	10	0.6	28	101	13	+20	24	12	158
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston North	15	15.4	4.3	9.9	-0.7	21.7	9	-0.5	16	96	12	..	20	12	146
Palmerston North Airport	45	15.6	5.3	10.5	+0.0	21.4	10	-1.0	17	124	15	+45	34	21	..
Palmerston North D S I R	34	15.2	6.9	11.1	+0.1	21.0	10	1.6	14	135	14	+49	34	21	138
Foxton	3	..	..	..	..	..	..	..	..	90	9	+4	27	20	..
Waitare Forest	3	15.4	5.1	10.3	-0.4	21.2	9	-2.0	25	106	10	+22	34	18	..
Levin	46	15.3	6.4	10.9	-0.3	22.2	9	1.7	14	107	14	+3	33	20	148
Taita, Lower Hutt	65	15.0	6.2	10.6	-0.3	22.8	9	0.3	14	215	12	+68	126	20	122
Avalon, Lower Hutt	15	14.9	6.7	10.8	-0.2	22.4	9	1.4	27	197	11	+29	117	20	..
Kelburn, Wellington	125	14.2	8.1	11.2	+0.2	22.0	9	4.6	28	209	13	+77	106	20	153
Somes Island	43	14.4	8.4	11.4	..	22.0	9	4.0	14	193	10	..	120	20	..
Gracefield, Lower Hutt	34	14.8	7.3	11.1	-0.2	22.1	9	2.1	14	240	11	+85	133	20	..
Wainuiomata	82	14.6	5.4	10.0	-0.2	21.9	9	-0.1	28	397	12	..	222	20	..
Wellington Airport	6	14.9	8.2	11.6	-0.1	21.7	9	2.1	28	202	12	+93	99	20	..
Kaitoke	223	13.7	3.9	8.8	-0.4	21.6	9	-2.5	30	296	19	+70	135	20	109
Wallaceville	56	14.7	4.2	9.5	-0.7	22.3	9	-2.2	30	253	13	+116	155	20	125
Cape Egmont	8	16.3	8.5	12.4	-0.4	20.6	9	1.2	26	95	13	-40	40	20	..
Stratford Mountain House	846	10.3	3.4	6.9	+0.3	14.6	2	-1.2	26	384	17	-271	86	20	..
Stratford Dem. Farm	311	14.5	5.2	9.9	+0.0	18.4	9	0.0	14	87	14	-119	16	20	143

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		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	°C	mm	mm	mm	mm	Hrs	
Manaia Dem. Farm	98	15.0	6.1	10.6	-0.6	20.6	9	-0.3	26	55	18	-72	19	12	157
Normanby	122	14.7	5.5	10.1	..	19.6	9	-0.4	26	68	17	..	19	20	..
Patea	43	15.8	7.1	11.5	-0.6	22.0	9	2.0	27	77	11	-60	27	31	..
Ohakune Junction	629	12.3	2.5	7.4	..	19.6	9	-2.0	17	77	15	..	22	21	..
Karioi	648	13.2	2.5	7.9	+0.1	20.9	9	-6.5	14	67	13	-45	27	21	..
Waiouru	823	11.5	1.8	6.7	+0.0	17.5	9	-5.0	14	54	15	-55	24	21	..
Waiouru Military Camp	823	10.8	2.3	6.6	+0.1	17.4	9	-3.9	14	66	18	-31	26	21	..
Ahu Ahu Valley	85	15.8	4.4	10.1	..	21.5	9	-0.6	14	78	13	..	36	21	..
Taihape	433	14.2	..	..	..	21.5	9	..	..	54	15	..	18	21	..
Kahui, Taihape	518	13.3	3.9	8.6	-0.3	20.8	10	-1.3	25	63	13	..	23	21	..
Wanganui	22	15.7	6.5	11.1	-0.7	22.0	10	1.0	26	110	13	+24	26	31	157
Wanganui Airport	9	15.9	7.2	11.6	..	21.6	10	2.7	26	114	14	..	32	31	..
Farewell Spit	3	15.8	8.0	11.9	+0.5	18.6	10	1.0	30	236	11	+94	126	19	..
Totaranui	10	15.3	7.0	11.2	..	19.0	10	1.4	14	146	9	..	54	7	..
Westport Airport	2	15.2	6.7	11.0	+0.2	19.9	9	1.9	29	156	13	-45	28	10	145
Cobb Dam	823	10.8	0.8	5.8	-0.4	16.7	4	-3.6	28	225	10	-19	67	19	..
Arapito	20	15.2	5.8	10.5	..	21.3	9	0.4	27	156	11	..	47	12	142
Karamea	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Rotoroa	443	12.0	2.1	7.1	..	16.5	2	-3.1	30	191	9	..	64	20	..
Lake Rotoiti	634	11.4	0.3	5.9	-0.3	15.3	9	-5.5	29	98	11	-75	27	12	..
Hokitika Airport	39	14.8	4.9	9.9	+0.1	20.4	9	0.0	28	185	12	-87	67	10	156
Reefton	198	12.4	2.3	7.4	-0.5	19.3	8	-4.6	27	137	12	-41	28	12	..
Barrytown	30	15.5	8.8	12.2	..	19.6	9	4.5	28	175	12	..	45	12	..
Totara Flat	77	..	2.2	..	..	..	..	-3.9	29	117	12	-53	22	19	..
Greymouth	4	14.7	6.3	10.5	+0.1	19.0	9	1.4	29	139	11	-85	37	10	131
Otira Substation	383	11.9	..	..	..	17.0	5	..	..	280	13	-157	77	10	..
Springs Junction	421	11.4	0.4	5.9	..	16.9	8	-7.3	29	143	11	-55	41	12	..
Hari Hari	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Franz Josef	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fox Glacier	152	14.7	4.1	9.4	..	19.7	9	-0.3	13	256	11	-141	61	10	..
Milford Sound	3	12.1	3.1	7.6	-0.8	17.4	7	-0.9	28	364	13	-119	82	17	..
Puysegur Point	43	12.6	7.5	10.1	..	16.8	7	3.9	24	197	24	-6	48	9	..
Stephens Island	187	13.6	9.4	11.5	..	17.9	10	5.0	26	94	14	+15	43	20	..
Riwaka, Motueka	8	15.0	3.8	9.4	-0.6	19.5	10	-1.8	29	123	9	-32	46	19	168
Tapawera	146	14.9	1.6	8.3	..	18.8	4	-4.2	29	110	11	..	54	19	..
Appleby	17	14.8	4.7	9.8	-0.6	18.7	10	0.4	27	88	9	-21	28	19	..
Nelson Airport	2	14.8	4.0	9.4	-0.2	19.1	10	-1.2	30	101	9	-11	44	7	175
Rai Valley	79	14.6	3.5	9.1	+0.0	19.9	10	-1.7	28	181	9	-37	68	7	..
Moutere Hills	110	14.5	6.8	10.7	+0.0	18.0	9	2.2	29	105	9	-17	31	19	..
Blenheim Airport	27	14.9	4.2	9.6	-0.1	20.9	9	-1.6	30	105	8	+21	44	20	..
Blenheim	4	15.5	4.4	10.0	-0.2	21.7	9	-1.5	30	121	8	+45	67	20	149
Waihopai Power Station	262	13.7	3.2	8.5	-0.6	19.2	9	-2.0	30	51	10	-38	22	19	..
Vernon Lagoons	2	15.0	3.7	9.4	-0.3	20.8	10	-4.0	24	145	8	..	96	20	146
Lake Grassmere	2	13.9	6.9	10.4	-0.1	19.6	10	0.5	30	186	9	+117	130	20	150
Cape Campbell	3	14.0	9.0	11.5	+0.4	18.2	9	4.5	30	188	11	+107	141	20	..
Hanmer Forest	387	12.6	0.2	6.4	-0.8	22.1	8	-6.0	28	108	12	-9	41	20	111
Molesworth	893	10.8	-0.6	5.1	+0.0	19.8	4	-7.4	27	49	9	-20	13	19	..
Kaikoura	108	13.1	7.8	10.5	+0.2	21.8	11	3.0	21	92	11	-10	60	20	129
Arthurs Pass	738	9.1	-1.1	4.0	..	15.7	9	-6.5	28	121	13	-219	25	31	..
Balmoral Forest	198	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hawarden	244	13.6	1.5	7.6	..	21.8	8	-5.6	29	52	9	..	24	19	..
Waiau	137	14.1	1.4	7.8	..	24.0	10	-5.9	29	66	10	..	30	20	..
The Hermitage, Mt Cook	765	9.4	-0.1	4.7	-0.7	15.5	4	-5.5	26	188	11	-135	41	11	92
Mt John	1027	..	..	..	..	..	..	..	..	29	7	-24	9	11	..
Craigieburn Forest	914	9.7	0.0	4.9	+0.0	17.0	7	-4.0	13	77	9	-60	31	10	..
Lake Coleridge	364	12.4	1.2	6.8	-0.5	19.5	8	-3.6	29	50	11	-29	17	12	..
Highbank Power Station	336	12.1	3.8	8.0	-0.3	20.2	8	0.0	26	38	9	-43	16	12	141
Hororata Substation	192	13.7	1.5	7.6	+0.0	22.8	8	-4.5	29	38	15	-38	11	19	..
Winchmore	160	13.1	2.8	8.0	+0.4	21.5	8	-2.2	30	20	8	-54	5	19	..
Peel Forest	274	13.3	2.2	7.8	..	22.1	8	-3.4	29	29	11	..	9	18	..
Ashburton	101	14.0	3.5	8.8	+0.5	22.7	8	-2.4	26	19	6	-52	7	18	122
Waipara	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashley Forest	107	13.3	4.5	8.9	-0.3	23.0	8	0.0	30	42	8	-42	18	19	134
Rangiora	46	13.8	2.5	8.2	-0.4	24.1	8	-3.0	30	33	10	-33	15	19	..
Darfield	195	13.7	3.4	8.6	+0.5	21.2	8	-2.3	29	36	7	-45	12	19	..
Eyrewell Forest	158	13.2	2.4	7.8	-0.1	23.0	8	-3.0	30	41	9	-40	15	19	..
Christchurch Airport	30	13.6	2.7	8.2	-0.5	21.1	8	-3.8	29	29	9	-52	14	19	140
Templeton	46	13.4	3.4	8.4	..	23.8	8	-2.0	16	23	8	..	13	19	..
Christchurch	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bromley, Christchurch	9	13.6	5.6	9.6	+0.1	23.6	8	-1.0	30	23	8	-58	10	19	..
Mt Pleasant	137	13.2	7.1	10.2	+0.0	22.6	8	3.1	30	24	10	-62	8	19	..
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Tekapo	683	9.2	0.0	4.6	-1.2	19.5	8	-6.0	28	35	7	-18	13	12	119
Lake Pukaki	556	8.8	0.2	4.5	-1.3	20.4	8	-5.8	29	34	13	..	13	11	..
Fairlie	304	12.6	-0.6	6.0	..	22.6	8	-6.5	29	25	4	..	12	12	..
Twizel	457	8.9	-1.6	3.7	-1.9	21.0	8	-6.2	30	34	10	..	11	11	..

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Ikawai	70	13.3	1.5	7.4	-0.1	23.0	8	-4.0	26	14	4	..	7	17	..
Geraldine	119	13.7	2.7	8.2	..	23.5	8	-3.0	27	26	9	..	11	12	..
Orari Estate	81	13.6	2.7	8.2	+0.7	23.9	8	-2.3	26	25	10	-36	9	18	..
Temuka	24	14.2	3.5	8.9	+1.0	24.4	8	-1.1	26	13	5	-38	7	17	..
Timaru Airport	26	13.4	2.4	7.9	+0.3	23.7	8	-2.1	29	9	4	-37	5	18	..
Adair	85	13.2	4.7	9.0	+0.5	23.0	8	0.7	26	13	5	-35	5	17	..
Timaru	17	13.1	3.7	8.4	+0.0	21.8	8	-0.7	30	16	7	-32	5	4	139
Waimate	61	14.1	3.8	9.0	+0.1	23.5	8	-0.4	28	17	5	-36	6	17	..
Kurow	207	12.5	2.3	7.4	..	26.5	8	-2.5	29	26	7	..	10	17	..
Oamaru Airport	30	12.7	3.6	8.2	+0.4	21.3	8	-0.1	16	11	4	-30	5	31	143
Tara Hills, Omarama	488	9.2	-1.3	4.0	-1.4	19.8	8	-8.6	29	24	6	-17	16	11	115
Lake Hawea	350	9.9	2.6	6.3	-0.9	18.3	8	-1.5	20	46	8	-25	18	11	..
Wanaka	296	10.8	1.0	5.9	-0.6	19.7	10	-3.2	20	36	8	-25	13	11	..
Queensberry	277	10.2	1.5	5.9	..	20.4	8	-3.1	20	37	12	..	21	11	..
Bendigo	200	11.1	0.6	5.9	..	21.5	8	-4.3	20	15	12	..	8	11	..
Naseby Forest	610	9.6	-1.4	4.1	-0.8	19.6	8	-6.3	25	18	7	-28	10	17	..
Ranfurly	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Herbert Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston	21	14.0	1.0	7.5	+0.1	22.1	8	-4.1	26	9	4	..	5	17	137
Cherry Farm Hospital	6	13.4	3.1	8.3	+0.2	21.3	8	-1.5	16	6	6	-52	3	31	..
Taiaroa Head	72	12.2	7.1	9.7	+1.0	21.3	8	3.7	20	16	11	-53	5	17	..
Invermay, Taieri	30	12.9	1.9	7.4	..	23.5	8	-3.5	20	15	11	..	9	17	119
Berwick Forest	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Airport	1	13.1	-0.1	6.5	-0.9	24.1	8	-6.4	20	11	10	-45	3	17	118
Musselburgh, Dunedin	2	12.6	5.0	8.8	-0.1	21.5	8	0.0	20	20	12	-51	9	17	113
Te Anau	215	11.0	2.9	7.0	+0.5	16.4	3	-2.8	19	48	10	-51	15	11	70
West Arm, Manapouri	232	8.4	3.0	5.7	-0.7	13.2	3	-4.4	21	205	16	..	46	11	..
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	10.7	2.2	6.5	-0.4	17.6	9	-2.3	28	54	11	-25	20	17	104
Queenstown Airport	349	10.8	0.3	5.6	-0.5	19.7	8	-3.3	20	41	9	-20	15	17	..
Otama	183	10.9	2.8	6.9	..	20.4	8	-2.3	20	51	19	-13	16	17	..
Cromwell	213	11.0	0.3	5.7	-0.8	21.0	8	-5.1	20	10	7	-26	4	17	88
Northburn	210	11.1	1.1	6.1	..	21.7	8	-3.7	20	9	13	..	4	11	..
Clyde Dam	160	10.1	1.2	5.7	..	22.1	8	-3.5	20	15	11	..	6	11	..
Ophir	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnsclough	152	10.7	-0.1	5.3	-0.5	22.8	8	-6.1	20	11	6	-17	6	17	..
Alexandra	141	10.7	0.9	5.8	-0.5	23.3	8	-4.5	20	13	7	-15	6	17	84
Roxburgh Power Station	110	11.5	2.4	7.0	-0.5	22.2	9	-4.0	20	27	10	-11	9	12	..
Beaumont	46	11.7	2.5	7.1	..	22.8	8	-3.3	20	55	13	-31	20	12	..
Mahinerangi Dam	396	11.2	2.1	6.7	+0.9	20.0	8	-4.0	20	36	10	-45	14	31	..
Tapanui	226	11.8	2.7	7.3	-0.3	21.0	8	-3.8	25	58	16	-26	14	17	..
Taieri Mouth	15	12.9	4.0	8.5	+0.6	23.5	8	-1.5	27	61	15	-5	16	12	97
Tuatapere	27	12.5	4.0	8.3	..	18.7	8	0.1	25	100	17	..	28	12	..
Otautau	55	12.2	2.8	7.5	+0.3	19.5	8	-3.2	25	87	16	-10	29	12	67
Winton	44	12.1	3.3	7.7	+0.3	19.8	8	-1.5	27	61	15	-5	16	12	97
Gore	123	11.0	3.4	7.2	+0.4	20.7	8	-1.6	27	65	21	..	17	12	107
Hokonui Forest	46	12.7	3.4	8.1	+0.6	20.9	8	-2.6	27	79	15	-7	22	12	..
Woodlands	47	12.5	3.7	8.1	+1.1	20.6	8	-0.6	27	63	22	..	14	12	..
Invercargill Airport	0	12.2	3.6	7.9	+0.7	19.6	8	-3.2	25	60	16	-31	11	18	81
Tiwai Point, Bluff	5	12.3	5.5	8.9	+0.5	19.6	8	0.6	25	49	21	..	14	11	..
Stewart Island	3	12.1	4.5	8.3	..	19.5	8	0.2	27	66	23	..	24	11	..
Milton	18	12.2	1.7	7.0	-0.2	23.2	8	-4.5	20	17	10	-49	6	12	..
Finegand, Balclutha	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Owaka	5	12.7	3.1	7.9	..	23.0	8	-4.0	26	54	14	..	16	12	..
Nugget Point	129	11.2	5.3	8.3	+0.4	20.4	8	1.9	21	70	18	-6	14	12	..
Tautuku	61	12.7	..	..	..	22.8	8	..	..	87	14	..	23	12	..
Nandi Airport, Fiji	19	29.6	20.3	25.0	+0.2	31.5	28	16.5	24	107	8	..	41	15	210
Rarotonga Airport	7	26.1	20.2	23.2	-0.2	28.4	24	17.0	18	79	16	-104	24	30	161
Totokoitu, Rarotonga	9	25.9	19.5	22.7	..	28.2	30	16.2	5	93	17	..	31	16	..
Raoul Island	38	21.4	16.6	20.2	+1.4	24.6	9	12.7	25	142	16	-3	59	12	140
Campbell Island	15	8.8	4.8	6.8	0.7	13.0	8	-1.3	19	58	27	-82	9	11	18
Waitangi, Chatham Island	44	12.7	7.2	10.0	-0.4	16.9	13	3.3	21	82	20	-35	26	11	98
Scott Base, Antarctica	16	-20.3	-30.9	-25.6	+2.8	-10.6	7	-41.5	17	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Edgecumbe 04/1981	5	21.4	10.2	15.8	+1.3	24.1	14	2.4	28	161	8	..	47	13	..
Opotiki 04/1981	6	21.2	11.1	16.2	+1.4	23.4	4	5.1	28	134	8	+17	47	11	210
Huntly 04/1981	34	..	10.8	..	..	..	..	7.1	25	86	..	..	..	..	..
Port Taharoa 04/1981	27	21.4	14.3	17.9	+1.5	24.2	3	10.9	25	82	..	..	..	..	..
North Egmont 04/1981	955	13.6	6.7	10.2	..	18.1	4	1.5	25	414	19	..	78	14	..
Chateau, Mt Ruapehu 04/1981	1119	14.1	..	..	..	19.0	4	..	..	111	15	-113	25	10	..
Wharerata Forest 04/1981	439	18.4	10.5	14.5	..	23.0	10	6.6	1	174	10	..	83	12	..
Manaia Dem. Farm 04/1981	98	18.8	10.9	14.9	+1.6	21.9	11	4.0	25	85	17	-12	33	11	163
Ahu Ahu Valley 04/1981	85	20.7	9.0	14.9	..	25.8	14	5.2	20	54	15	..	22	11	..
Kahui, Taihape 04/1981	518	18.2	9.3	13.8	+2.0	22.1	16	5.3	4	34	7	..	9	11	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1981—continued

Station	Height of Station Above M.S.L.	Air Temperature 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	°C	mm	mm	mm	mm	Hrs		
LATE RETURNS AND CORRECTIONS															
Franz Josef 04/1981	122	16.8	7.8	12.3	+0.6	21.0	12	2.5	28	475	18	+74	66	23	..
Milford Sound 04/1981	3	15.6	8.0	11.8	+0.8	20.5	1	3.6	28	698	21	+172	129	23	..
Puysegur Point 04/1981	43	14.6	10.2	12.4	..	18.4	13	4.9	24	226	27	+13	37	17	..
The Hermitage, Mt Cook 04/1981	765	15.1	5.6	10.4	+1.4	21.5	1	0.8	13	445	16	+105	87	28	110
Craigieburn Forest 04/1981	914	14.9	4.3	9.6	+1.3	21.7	3	-1.0	28	141	17	+19	40	29	..
Ashley Forest 03/1981	107	20.4	10.7	15.6	+1.1	28.5	22	4.9	30	28	7	-43	8	8	146
Ashley Forest 04/1981	107	19.6	8.7	14.2	+2.1	26.1	10	3.5	28	50	6	-24	22	11	163
Lincoln 04/1981	11	19.2	8.1	13.7	+2.2	25.0	22	-0.5	28	45	7	-13	20	14	160
Geraldine 04/1981	119	18.3	5.7	12.0	..	23.9	10	-1.0	28	40	9	..	18	29	..
Adair 04/1981	85	17.3	8.2	12.8	+1.4	23.3	22	3.2	25	59	12	+11	26	29	..
Tara Hills, Omarama 04/1981	488	16.8	4.6	10.7	+1.3	22.3	3	-2.6	28	38	11	-5	11	23	177
Borland Burn 03/1981	183	18.5	6.6	12.6	..	24.0	4	-3.5	29	108	24	..	24	9	..
Borland Burn 04/1981	183	16.4	4.8	10.6	..	21.0	2	-2.0	13	130	22	..	31	25	..
Mahinerangi Dam 04/1981	396	14.5	6.5	10.5	+1.9	21.8	10	2.0	19	46	12	-35	8	27	..
Nugget Point 04/1981	129	14.6	8.7	11.7	+1.6	20.0	3	4.9	21	70	21	-6	11	27	..
Nandi Airport, Fiji 04/1981	19	31.0	21.6	26.3	+0.3	33.2	11	18.1	28	345	14	..	107	12	192
Totokoitu, Rarotonga 04/1981	9	27.5	22.1	24.8	..	29.8	1	18.1	30	297	18	..	96	24	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1941-1970. No normals are available for stations with only short records.

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

A rainday is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall have occurred more than once during the month, the date of the first occurrence is given.

THE NEW ZEALAND WEATHER IN MAY 1981

General—For most of New Zealand May was a cool, dry, sunny month.

Winds in the north of the country were predominantly from an easterly quarter while to the south south-westerlies were more frequent than usual for this time of the year.

Farmers in the north of the country reported mild conditions with good growth although the effects of the recent facial eczema outbreak were still being felt in some areas. Heavy rain at the end of the month caused serious stock and feed losses in central farming areas while southern districts reported good conditions but with growth slowing rapidly towards the end of the month.

Gales affected most of the country on the 12th and 13th with snowfalls to low levels on the ranges in both islands.

Rainfall—Rainfall was below normal for most of New Zealand except the Wellington province, Wairarapa Valley and around Marlborough Sounds and Farewell Spit. Exceptionally heavy rain in these areas on the 20th led to widespread local flooding and property damage in some areas. Further rain on the 21st and 22nd in the Wairarapa led to even more extensive flooding and some heavy stock losses resulted.

Areas around Auckland, Hamilton and Taranaki had less than half their normal rainfall for May. The south-east coast of the South Island also had less than half normal rainfall with some areas around Timaru and Dunedin having less than 25 percent of their usual rain.

Temperature—Temperatures in both islands were close to normal for May.

A warm spell between the 8th and 10th saw temperatures above 20° reported in many parts of the country. On the 8th Dunedin Airport reported 24.0°—the highest for this station for May since the station opened in 1963, while Invercargill's maximum of 19.6° on the same day was the highest for May since 1955. On the 9th, Wellington reached 22.2°C the warmest May temperature since records began in Wellington in 1869.

A cold snap followed quickly and the first snow of the season fell on skifields in both islands on the 12th and 13th. There was a second cold spell between the 23rd and 30th when mean daily temperatures were as much as 5°C below normal. Severe frosts were reported in inland areas of the South Island and about Dunedin.

Sunshine—Sunshine hours were above normal for the whole country except Invercargill and Blenheim, both of which had a deficit of about 15 hours.

The rest of the South Island had between 5 and 30 hours more sunshine than normal for May, while the North Island has between 20 and 40 hours more.

WEATHER SEQUENCE FOR MAY 1981

An anticyclone which lay in the Tasman Sea to the east of New Zealand at the end of April moved slowly onto and across the country bringing fine, warm weather to most parts of the country for the first six days of May.

A depression developed over Norfolk Island on the 4th and as this moved south rain fell in the far north of the country on the 5th and 6th. This depression and an associated cold front moved further south to lie west of the North Island on the 7th, with rain falling in northern and western districts of both islands, and temperatures remaining warm. Rain continued in western districts throughout the 8th and spread to the east as the front, although now very weak, crossed the country on the 9th.

A trough of low pressure developed in the Tasman on the 8th and by the 10th had moved to cover the South Island, with rain in Westland, Fiordland, and Central Otago. Rain became widespread as a series of cold fronts within this trough crossed the country until the 14th. Cool temperatures were recorded throughout this period, particularly on the 13th and 14th.

An anticyclone over the Tasman Sea brought a clearance to most districts on the 15th and 16th although temperatures remained cooler than normal.

By the 17th a trough had developed over the Southern Tasman Sea and heavy rain fell in Westland and Fiordland. Two cold fronts within this trough moved onto southern New Zealand on the 18th bringing some rain to southern areas. By the 19th the first of the fronts lay across Cook Strait and heavy rain was recorded in the Golden Bay, Nelson, and Blenheim regions. A wave depression developed at this front, on the 20th, with its centre lying west of Taranaki. Rain fell about and north of Cook Strait, with particularly heavy falls recorded around Cape Campbell, Marlborough Sounds, Wellington, and Southern Wairarapa. Rain and gales continued in central and northern areas as the depression moved across the centre of the North Island on the 21st to lie north-east of East Cape on the 22nd. Light rain continued in some eastern and southern parts of the North Island, but an anticyclone centred to the west of Fiordland brought fine weather to most of the South Island. As this anticyclone moved slowly eastward over the next five days, fine, cold weather was recorded over most of the country.

A second anticyclone developed south of Tasmania on the 26th, and, with the first anticyclone, now east of the country, formed a belt of high pressure across the South Island. This brought a continuation of the fine, cool weather in all districts to the 30th, except in the far north, where a cold front to the north of the country brought rain to some areas of Northland on the 28th and 29th.

A cold front which had been west of Tasmania on the 30th moved quickly eastward to lie west of New Zealand on the 31st. Rain fell over most of the country except northern and some eastern areas of the North Island.

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J. S. HICKMAN, Director.

