



- 5 AUG 1982

GISBORNE

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 22 JULY 1982

Published by Authority

WELLINGTON: TUESDAY, 27 JULY 1982

CLIMATOLOGICAL TABLE

FOR MAY 1982

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1982

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		
Cape Reinga	191	17.9	12.7	15.3	+0.6	21.5	8	10.9	31	80	24	-27	33	7	..
Kaitaia Airport	80	18.2	11.5	14.9	+0.4	20.9	9	7.9	27	58	17	-94	12	1	164
Aupouri Forest	69	18.3	12.7	15.5	+0.4	20.7	9	10.0	11	41	14	-94	11	21	..
Kaitaia	8	19.0	10.3	14.7	..	21.6	9	4.6	27	94	16	..	17	22	..
Kerikeri M A F	79	17.8	9.7	13.8	..	20.7	12	5.8	23	79	18	..	17	8	..
Kerikeri Downs	79	17.7	9.7	13.7	..	21.0	9	6.3	23	75	20	..	17	21	..
Kerikeri Aerodrome	150	17.8	9.3	13.6	..	21.0	12	5.5	23	81	18	..	27	8	..
Umawera	50	18.4	7.7	13.1	..	21.0	11	3.0	3	91	18	..	22	8	..
Kaikohe	204	16.8	10.3	13.6	+0.1	19.5	11	6.0	3	69	20	..	8	11	145
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	17.7	9.2	13.5	+0.3	21.3	8	3.5	31	70	17	-108	9	12	..
Dargaville	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waitangi Forest	55	18.6	10.0	14.3	+0.0	21.5	12	7.0	11	74	17	-78	19	21	152
Glenberrie Forest	107	17.6	7.1	12.4	+0.1	21.1	11	1.2	29	61	22	-130	14	11	..
Whangarei Airport	37	17.8	9.8	13.8	-0.4	20.6	8	5.8	29	44	19	-101	14	11	..
Whangarei	29	..	8.4	..	..	..	..	4.4	3	59	18	..	17	11	153*
Marsden Power Station	3	..	10.1	..	..	..	..	5.9	29	64	23	..	15	11	..
Pouito	97	17.2	11.2	14.2	..	21.5	8	6.2	31	66	17	..	17	14	..
Leigh	27	17.8	12.8	15.3	+0.7	20.0	12	10.2	27	60	18	-47	17	14	157
Warkworth	72	16.9	9.0	13.0	+0.2	19.6	11	2.8	31	81	21	..	14	14	..
Oyster Point	0	17.3	9.3	13.3	..	20.0	8	1.7	31	64	16	..	9	1	..
Woodhill Forest	30	17.5	9.1	13.3	+0.1	20.0	8	1.5	31	74	16	-63	19	14	..
Riverhead Forest	28	17.3	8.0	12.7	+0.2	20.0	11	2.0	3	87	14	-68	23	14	..
Kumeu	32	17.4	7.5	12.5	..	19.6	8	0.5	29	97	18	..	21	14	..
Whenuapai	26	17.4	8.2	12.8	+0.0	19.6	11	2.4	29	78	20	-64	19	14	..
Albert Park, Auckland	49	17.7	11.0	14.4	+0.3	20.0	10	7.1	31	60	18	-67	10	14	162*
Owairaka, Auckland	41	17.3	9.7	13.5	+0.3	20.1	11	3.7	31	66	18	-71	11	14	..
Port Fitzroy	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coromandel	43	18.0	9.7	13.9	..	20.2	8	3.2	3	69	18	..	17	11	..
Whangapoua Forest	4	18.1	9.0	13.6	+0.9	20.5	11	2.1	31	113	19	-72	33	11	..
Thames	3	17.1	9.7	13.4	+0.2	21.2	8	2.0	31	74	18	-48	15	14	..
Tairua Forest	3	17.2	7.6	12.4	-0.3	20.4	11	2.1	30	83	17	-108	15	11	..
Paeroa	4	17.2	..	..	..	21.0	8	..	..	89	22	-43	17	8	..
Waihi	91	16.2	6.8	11.5	-0.2	20.5	8	-1.2	4	91	17	-133	14	14	141
Te Aroha	18	17.1	7.9	12.5	+0.2	20.6	8	0.4	31	85	19	-67	21	14	..
Katikati	2	17.6	7.3	12.5	..	22.0	11	0.0	31	51	12	..	16	14	..
Tauranga	2	17.0	9.2	13.1	+0.1	20.4	11	4.0	29	62	13	..	19	14	..
Tauranga Airport	4	16.9	7.7	12.3	+0.0	19.5	11	3.2	29	71	13	-66	22	14	180
Te Puke	91	16.4	5.6	11.0	-0.8	18.6	9	0.6	29	88	11	..	35	8	178
Rotoehu Forest	72	16.4	3.2	9.8	-1.1	18.7	11	-1.5	27	105	14	-78	51	8	..
Edgecumbe	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatane	2	17.1	6.4	11.8	-0.5	20.5	1	2.0	27	63	13	-72	14	14	182
Whakatane Airport	6	16.5	4.8	10.7	..	18.9	1	-1.2	27	57	12	..	14	14	..
Port Ohope	9	16.7	8.0	12.4	..	19.6	9	3.9	29	75	14	..	23	8	184
Kinleith	383	13.8	5.2	9.5	-0.1	16.5	8	0.6	27	102	15	-44	19	14	..
Tikitere	338	14.1	6.7	10.4	..	16.8	11	2.0	29	66	12	..	12	23	..
Kawerau	30	17.0	5.7	11.4	-0.8	21.5	21	1.5	27	92	9	-101	30	8	..
Te Teko	8	17.9	4.3	11.1	-0.9	20.4	1	0.0	27	87	11	-76	35	8	171
Rotorua Airport	287	14.6	5.5	10.1	-0.3	17.2	11	-0.5	29	56	14	-101	8	20	163
Tarawera Forest	61	16.5	3.9	10.2	-0.3	19.8	1	-1.3	31	93	9	-131	37	8	..
Waiotapu Forest	435	13.4	4.1	8.8	-0.1	16.2	1	-3.2	29	61	12	-76	16	14	..
Atiamuri Power Station	253	14.9	3.8	9.4	-0.7	17.7	1	-0.9	29	75	16	-53	16	14	..
Kaingaroa Forest	544	12.8	2.7	7.8	-1.0	16.2	31	-2.9	29	65	13	-85	12	14	..
Murupara	198	15.2	2.6	8.9	..	18.2	11	-3.2	31	66	15	-71	13	14	..
Wairapukao Forest	437	14.0	1.0	7.5	-0.7	18.6	18	-5.2	29	73	13	-67	29	14	..
Taupo	376	13.8	4.6	9.2	-0.4	16.0	8	-1.5	29	80	14	-29	17	14	132
Wairakei Power Station	342	14.2	3.8	9.0	-0.8	17.2	1	-2.4	29	96	15	-21	26	14	..
Wairakei Research Station	402	14.2	3.1	8.7	-0.3	17.2	1	-3.9	29	87	12	-25	24	14	..
Minginui Forest	366	14.0	1.6	7.8	-0.9	17.4	31	-5.0	29	77	12	-78	21	14	..
Taupo Airport	407	13.2	4.4	8.8	..	15.4	8	-2.9	29	80	13	..	28	14	..
Waimihia Forest	743	10.8	2.7	6.8	-0.3	15.8	31	-3.0	6	126	14	-31	30	14	..
Opotiki	6	16.7	6.0	11.4	-0.9	19.5	9	1.7	27	94	15	-51	20	12	167
Waimana	37	16.8	3.0	9.9	-1.0	20.1	1	-2.5	29	82	12	-98	25	8	..
Mangere, Auckland	4	16.9	10.3	13.6	+0.4	19.5	8	2.5	31	66	20	-58	14	1	158
Otara, Auckland	12	17.6	8.1	12.9	+0.2	19.9	11	1.0	31	74	17	-45	24	1	..
Auckland Airport	8	16.8	10.1	13.5	+0.2	19.2	11	3.6	31	83	19	-36	32	1	163
Ardmore	30	17.6	7.3	12.5	+0.1	20.0	8	0.4	31	120	17	-10	55	1	..
Pukekohe	82	16.6	8.3	12.5	+0.0	19.3	11	1.5	31	78	20	..	17	14	151
Maioiro Forest	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hunua	122	16.6	6.3	11.5	..	19.4	11	0.7	3	82	18	..	15	1	..
Maramarua Forest	38	16.9	5.5	11.2	-0.3	19.9	11	0.0	3	71	17	-48	17	14	..
Te Kauwhata	32	16.8	6.7	11.8	-0.3	20.2	11	2.0	4	81	25	-33	25	14	156
Huntly	34
Ruakura, Hamilton	40	16.7	5.5	11.1	-0.2	19.8	11	-0.8	30	89	16	-23	18	14	154

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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	mm		mm	mm		Hrs		
Whatawhata	104	16.4	6.6	11.5	-0.2	18.9	11	0.5	4	112	17	-38	18	14	159
Rukuhia	66	16.6	6.7	11.7	+0.1	19.4	11	1.0	30	97	17	-17	19	14	150
Hamilton Airport	50	..	4.6	..	..	..	..	-2.0	30	107	16	-5	21	14	..
Cambridge	76	16.5	5.4	11.0	..	20.4	25	-1.2	3	108	20	..	24	14	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Station Mokau	46	15.9	9.0	12.5	-0.1	18.5	8	4.9	29	151	17	-22	43	14	..
Arapuni Power Station	123	16.1	5.8	11.0	+0.0	20.6	8	1.0	29	108	15	-19	22	14	..
Waikeria	46	16.5	4.5	10.5	..	18.8	1	-2.5	3	64	15	..	17	23	..
Te Kuiti	61	16.1	5.2	10.7	-0.3	18.3	9	0.3	3	125	20	-17	26	14	132
Wairere	122	15.6	4.6	10.1	..	18.1	11	-2.1	3	186	19	+36	32	8	..
Pureora Forest	549	12.3	3.6	8.0	-0.2	14.4	6	-2.4	3	153	17	-12	26	8	..
Taumarunui	171	15.1	4.2	9.7	-0.6	18.3	11	-1.3	4	156	23	+24	31	14	109
Omata	61	16.6	9.4	13.0	-0.1	20.0	11	7.0	1	152	17	..	34	14	..
New Plymouth	55	16.3	8.8	12.6	..	19.0	11	4.0	29	143	19	..	46	14	..
New Plymouth Airport	27	16.3	8.6	12.5	+0.7	18.9	11	3.8	29	90	18	-73	21	14	160
Tikorangi	77	16.3	6.7	11.5	..	19.1	11	2.0	29	133	21	..	31	14	..
North Egmont	955	9.6	3.4	6.5	..	12.5	30	0.2	4	679	23	..	82	7	..
Te Wera Forest	180	14.9	4.6	9.8	+0.3	..	..	..	..	..	..	..	..	..	..
Turangi	366	13.5	4.1	8.8	-0.7	16.9	1	-3.5	29	140	14	..	38	14	150
Chateau, Mt Ruapehu	1119	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangamutu, Pahiatua	116	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Reserve	305	13.5	4.5	9.0	+0.1	17.5	19	-3.6	6	302	18	..	46	10	..
Waingawa, Masterton	114	15.4	6.9	11.2	+1.1	19.5	20	-0.5	6	84	18	-18	18	1	142
Kopua	311	13.9	5.5	9.7	+0.0	18.3	8	-0.5	29	65	14	-37	14	1	..
Waipukurau	137	15.8	4.1	10.0	+0.0	21.0	8	-2.1	27	24	9	-60	8	1	156*
Dannevirke	207	14.5	6.0	10.3	+0.2	19.2	8	-0.6	29	78	15	-24	17	20	119
Porangahau	8	16.3	6.6	11.5	..	20.6	20	1.0	30	45	10	..	20	1	..
Castlepoint	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ngaumu Forest	244	14.8	4.6	9.7	+0.6	18.0	1	-2.5	6	93	9	-47	36	1	..
Tauherenikau, Alloa	43	16.0	6.3	11.2	+0.7	19.1	19	-0.6	6	98	11	-9	22	14	..
Gladstone, Arahura	116	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiorongomai	21	14.9	7.7	11.3	+1.0	17.9	8	0.0	6	137	17	-18	33	8	..
Cape Palliser	10	15.7	10.3	13.0	+0.3	19.5	19	5.4	5	54	12	-65	19	14	..
East Cape	17	17.2	10.2	13.7	-0.2	19.7	9	5.0	27	78	14	-64	21	2	..
Ruatoria	61	17.8	6.9	12.4	-0.1	22.9	11	-0.2	27	62	12	-144	20	12	..
Mangatu Forest	182	15.9	6.5	11.2	+0.1	19.2	9	0.1	30	53	12	-79	11	1	..
Manutuke Gisborne	9	17.1	4.7	10.9	-0.9	20.2	22	-1.0	27	31	8	-73	15	1	..
Gisborne Airport	4	16.8	6.4	11.6	-0.5	20.6	22	0.7	30	44	9	-65	24	1	183
Onepoto, Waikaremoana	643	12.4	5.8	9.1	-0.1	16.0	9	2.1	27	111	16	-100	26	2	..
Wharerata Forest	439	..	..	..	..	..	..	..	..	161	..	..	..	..	..
Esk Forest	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	14.6	6.4	10.5	+0.1	19.0	8	1.9	29	35	16	..	8	14	..
Napier Airport	2	16.8	5.6	11.2	..	21.3	22	-0.7	30	20	11	-69	7	8	..
Napier	2	17.3	6.4	11.9	-0.1	21.2	8	0.0	30	27	9	-57	7	8	187
Hastings	16	17.2	5.3	11.3	..	21.4	20	-0.6	27	24	7	..	10	1	..
Havelock North	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gwavas Forest	335	14.9	3.8	9.4	+0.4	20.6	8	-0.5	29	35	15	-74	7	20	..
Makaretu	335	14.9	4.5	9.7	-0.1	19.4	8	-0.9	6	52	14	..	11	20	..
Mohaka Forest	286	15.4	5.6	10.5	-0.2	19.3	11	0.0	30	45	8	-107	19	2	..
Frasertown, Wairoa	8	17.6	6.3	12.0	+0.1	21.0	22	0.8	30	58	7	-89	24	1	..
Wairoa	20	17.0	6.0	11.5	-0.3	20.7	22	1.0	30	64	6	..	30	1	179
Portland Island	78	15.4	10.7	13.1	-0.1	19.0	9	7.4	30	50	14	-59	15	1	..
Kapiti Island	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	15.0	7.7	11.4	+0.3	16.9	8	-0.6	6	93	17	-11	27	14	140
Flockhouse, Bulls	9	15.9	6.0	11.0	+0.1	19.8	8	-0.6	5	99	11	+15	31	22	..
Ohakea	48	15.6	7.1	11.4	+0.1	19.5	8	1.7	5	95	10	+14	22	22	164
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston North	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston North Airport	45	15.6	5.2	10.4	-0.1	19.7	8	-2.0	4	103	12	+24	26	20	..
Palmerston North D S I R	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Foxton	3	..	..	..	..	..	..	..	..	71	9	-15	16	12	..
Waitarere Forest	3	15.3	6.2	10.8	+0.1	18.7	8	-2.3	4	64	13	-20	13	22	..
Levin	46	15.1	7.5	11.3	+0.1	18.2	8	1.9	6	70	14	-34	11	22	131
Titahi Bay	31	15.1	8.4	11.8	..	17.0	8	1.2	5	64	14	..	19	8	..
Taita, Lower Hutt	65	14.8	7.5	11.2	+0.3	17.2	27	0.0	6	99	18	-48	31	8	..
Avalon, Lower Hutt	15	15.0	8.2	11.6	+0.6	17.1	22	1.6	6	74	18	-94	23	8	..
Kelburn, Wellington	125	14.2	8.9	11.6	+0.6	17.4	27	4.0	5	63	16	-69	24	14	144
Somes Island	43	14.4	9.3	11.9	..	17.0	27	4.5	5	66	14	..	16	14	..
Gracefield, Lower Hutt	34	14.5	8.9	11.7	+0.4	16.8	8	2.2	6	73	14	-82	21	8	..
Wainuiomata	82	14.5	6.6	10.6	+0.4	17.0	19	0.5	3	93	18	..	24	1	..
Wellington Airport	6	15.1	9.6	12.4	+0.7	18.2	27	4.4	4	50	15	-59	14	14	..
Rimutaka Forest	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaitoke	223	13.8	5.3	9.6	+0.4	15.9	8	-3.8	6	210	22	-16	51	20	118
Wallaceville	56	14.8	6.2	10.5	+0.3	17.2	19	-2.5	6	118	18	-19	29	1	126
Cape Egmont	8	16.3	10.3	13.3	+0.5	18.8	11	2.8	5	111	19	-24	32	14	..
Stratford Mountain House	846	9.9	3.2	6.6	+0.0	13.3	11	-2.9	6	634	23	-21	97	20	..
Stratford Dem. Farm	311	14.0	6.0	10.0	+0.1	17.0	10	-0.1	6	176	18	-30	31	12	140

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	Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Maniaia Dem. Farm	98	15.1	7.5	11.3	+0.1	18.7	8	0.2	5	142	22	+15	24	14	138
Normanby	122	14.9	7.0	11.0	..	18.6	8	0.5	5	96	21	..	13	20	..
Patea	43	15.5	8.7	12.1	+0.0	19.5	8	1.5	5	119	15	-18	24	22	..
Ohakune Junction	629	11.2	3.7	7.5	..	14.5	6	-1.7	29	173	17	..	27	20	..
Karioi	648	12.1	2.9	7.5	-0.3	16.1	8	-1.4	30	151	18	+39	23	20	..
Waiouru	823	10.7	1.9	6.3	-0.4	14.7	8	-3.5	29	134	17	+25	21	23	..
Waiouru Military Camp	823	10.3	2.0	6.2	-0.3	14.4	8	-2.7	29	139	19	+42	18	1	..
Ahu Ahu Valley	85	15.4	4.8	10.1	..	18.9	11	1.0	3	118	15	..	19	20	..
Taihape	433	..	..	..	..	..	..	..	..	99	18	..	14	1	..
Kahui, Taihape	518	..	5.3	..	..	..	..	0.8	6	91	18	..	22	1	..
Wanganui	22	..	7.7	..	..	..	..	2.6	4	82	14	-4	15	22	159
Wanganui Airport	9	15.7	7.6	11.7	..	19.6	8	2.7	3	88	13	..	19	22	..
Farewell Spit	3	15.9	7.6	11.8	+0.4	18.0	10	2.4	6	124	17	-18	31	14	..
Totaranui	10	..	7.2	..	..	..	..	3.2	25	133	11	..	47	11	..
Westport Airport	2	14.7	7.7	11.2	+0.4	19.6	1	4.4	24	290	24	+89	57	11	90
Cobb Dam	823	10.9	2.3	6.6	+0.4	14.9	30	-1.4	6	237	21	-7	44	20	..
Arapito	20	15.3	7.0	11.2	..	19.5	1	0.0	30	293	20	..	30	11	102
Lake Rotoroa	443	11.5	3.2	7.4	..	15.6	1	-0.6	3	287	18	..	49	20	..
Lake Rototiti	634	11.3	1.4	6.4	+0.2	14.0	1	-3.9	3	205	19	+32	37	22	..
Hokitika Airport	39	14.0	6.0	10.0	+0.2	19.2	1	1.4	26	306	19	+34	38	7	90
Reefton	198	12.0	..	..	..	17.4	1	..	..	296	20	+118	46	11	..
Barrytown	30	15.0	9.3	12.2	..	19.0	1	4.5	24	396	19	..	56	11	..
Totara Flat	77	13.3	4.4	8.9	+0.3	17.0	1	-1.4	3	299	19	+129	32	20	..
Greymouth	4	14.1	6.9	10.5	+0.1	19.5	1	2.1	26	262	18	+38	38	11	81
Otira Substation	383	11.8	3.3	7.6	..	15.0	6	-1.0	26	774	19	+337	128	19	..
Springs Junction	421	..	..	..	..	..	..	..	..	385	..	+187	..	..	..
Hari Hari	45	13.4	3.5	8.5	-0.1	17.1	6	-2.5	26	431	19	+106	55	22	..
Franz Josef	122	13.4	4.3	8.9	-0.5	17.5	1	-1.0	26	527	17	+116	112	21	..
Fox Glacier	152	13.2	4.4	8.8	..	18.4	1	-1.4	26	547	21	+150	91	21	..
Milford Sound	3	11.7	4.1	7.9	-0.5	17.1	1	-0.5	26	924	21	+441	170	19	..
Puyssegur Point	43	12.8	7.6	10.2	..	18.2	6	3.6	24	223	24	+20	50	21	..
Stephens Island	187	14.1	9.9	12.0	..	16.8	7	7.4	3	98	12	+19	26	8	..
Riwaka, Motueka	8	15.5	4.6	10.1	+0.1	19.2	1	1.0	30	106	11	-49	29	21	163
Tapawera	146	14.6	3.1	8.9	..	18.3	1	-1.2	30	118	14	..	21	12	..
Appleby	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nelson Airport	2	14.9	4.6	9.8	+0.2	17.8	12	1.6	30	91	12	-21	37	11	173
Rai Valley	79	..	3.5	..	..	..	..	-6.6	25	195	11	-23	59	11	..
Moutere Hills	110	14.6	7.3	11.0	+0.3	18.8	1	1.6	24	98	13	-24	31	11	..
Blenheim Airport	27	16.1	4.9	10.5	+0.8	19.1	8	-0.9	5	65	8	-19	15	11	..
Brancott Valley	64	16.4	4.9	10.7	..	19.4	8	-1.2	5	68	9	..	19	11	..
Blenheim	4	16.6	5.1	10.9	+0.7	20.1	8	-0.1	3	63	8	-13	19	14	182
Waihapai Power Station	262	..	..	..	..	..	..	..	..	87	9	-2	19	11	..
Vernon Lagoons	2	16.6	4.3	10.5	+0.8	20.8	20	-2.3	5	53	7	..	15	11	168
Lake Grassmere	2	15.9	7.1	11.5	+1.0	19.8	19	2.1	5	34	7	-35	13	22	166
Cape Campbell	3	15.2	9.7	12.5	+1.4	18.5	9	6.0	5	31	8	-50	10	14	..
Hammer Forest	387	14.2	2.1	8.2	+1.0	18.5	19	-2.9	5	99	14	-18	35	20	113
Molesworth	893	..	..	..	..	..	..	..	..	95	11	+26	25	20	..
Kaikoura Flats	24	16.4	4.4	10.4	..	25.5	20	1.2	5	16	6	..	6	14	..
Kaikoura	108	15.8	8.7	12.3	+2.0	24.6	20	5.9	5	13	6	-89	7	1	167
Arthurs Pass	738	9.0	0.7	4.9	..	12.0	7	-3.5	26	..	..	..	..	..	..
Balmoral Forest	198	14.9	3.1	9.0	+1.3	19.8	8	-2.4	5	33	10	-28	19	20	..
Hawarden	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiau	137	15.6	..	..	..	20.0	8	..	..	26	7	..	12	20	..
The Hermitage, Mt Cook	765	10.6	1.6	6.1	+0.7	17.6	30	-2.8	26	690	18	+367	265	19	87
Mt John	1027	9.3	1.8	5.6	+0.8	17.0	30	-2.7	26	42	8	-11	13	21	..
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	13.7	2.4	8.1	+0.8	20.6	31	-2.0	3	71	13	-8	17	22	..
Highbank Power Station	336	13.6	5.5	9.6	+1.3	19.9	30	0.5	3	39	12	-42	10	20	145
Hororata Substation	192	14.9	3.1	9.0	+1.4	20.5	8	-2.8	3	27	16	-49	6	20	..
Winchmore	160	14.3	3.9	9.1	+1.5	19.8	8	-0.7	3	21	8	-53	6	14	..
Peel Forest	274	14.5	2.2	8.4	..	20.4	19	-2.5	3	25	13	..	7	11	..
Ashburton	101	14.7	3.6	9.2	+0.9	20.9	8	-1.5	3	18	7	-53	5	11	149
Waipara	64	15.7	5.1	10.4	..	22.6	31	-0.7	3	12	7	..	6	20	..
Ashley Forest	107	14.7	5.6	10.2	+1.0	20.3	8	1.0	3	24	6	-60	7	1	140
Rangiora	46	15.2	3.4	9.3	+0.7	21.5	8	-1.4	29	21	13	-45	7	1	..
Darfield	195	14.9	4.3	9.6	+1.5	19.6	31	-0.4	4	29	12	-52	6	20	..
Eyrewell Forest	158	14.9	3.4	9.2	+1.3	20.2	19	-1.9	5	34	12	-47	8	1	..
Christchurch Airport	30	14.9	3.2	9.1	+0.4	21.3	8	-2.1	3	26	10	-55	10	1	151
Templeton	46	14.8	3.8	9.3	..	21.0	19	-2.0	3	28	6	..	11	14	..
Christchurch	7	15.4	4.0	9.7	+0.6	22.0	8	-0.8	4	21	9	-63	9	1	..
Bromley, Christchurch	9	14.7	5.4	10.1	+0.6	21.5	8	0.2	3	13	8	-68	9	1	..
Mt Pleasant	137	14.7	8.1	11.4	+1.2	20.2	8	4.0	3	20	6	-66	13	1	..
Lincoln	11	14.9	3.6	9.3	+0.8	21.3	8	-2.1	4	30	8	-46	11	14	135
Akaroa	3	15.9	4.1	10.0	..	22.6	8	0.0	3	26	8	..	7	12	..
Lake Tekapo	683	11.1	1.6	6.4	+0.6	17.0	7	-3.0	2	50	10	-3	13	21	..
Lake Pukaki	556	11.9	2.0	7.0	+1.2	16.8	7	-2.4	3	82	14	..	22	21	..
Fairlie	304	14.3	0.2	7.3	..	19.4	19	-5.0	4	24	7	..	7	19	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1982—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.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Twizel	457	12.4	-0.6	5.9	+0.3	19.0	19	-6.2	3	75	13	..	20	19	..
Ikawai	70	15.2	3.0	9.1	+1.6	20.0	7	-3.0	4	43	6	..	26	12	..
Geraldine	119	15.2	2.6	8.9	..	20.5	7	-2.0	3	18	8	..	7	11	..
Orari Estate	81	14.6	2.1	8.4	+0.9	20.7	7	-2.8	4	23	9	-38	6	11	..
Temuka	24	15.3	2.5	8.9	+1.0	21.0	7	-0.6	4	35	7	-16	11	22	..
Timaru Airport	26	14.4	2.5	8.5	+0.9	18.9	8	-1.8	4	32	6	-14	14	12	..
Adair	85	14.5	..	..	..	20.1	19	..	..	32	6	-16	13	12	..
Timaru	17	14.1	4.3	9.2	+0.8	19.7	19	0.5	3	33	5	-15	15	12	161
Waimate	61	15.8	4.0	9.9	+1.0	20.5	30	-0.2	3	42	8	-11	17	12	..
Kurov	207	14.8	4.4	9.6	..	20.0	7	-1.2	3	46	9	..	22	19	..
Oamaru Airport	30	14.1	4.0	9.1	+1.3	19.3	9	0.7	11	38	6	-3	20	14	141
Tara Hills, Omarama	488	12.1	0.4	6.3	+0.9	17.6	19	-6.0	3	94	11	+53	42	19	153
Lake Hawea	350	12.2	3.4	7.8	+0.6	16.2	19	-0.6	2	145	11	+74	48	21	..
Wanaka	296	13.0	2.3	7.7	+1.2	16.7	30	-2.9	3	155	13	+94	43	19	..
Queensberry	277	12.6	2.8	7.7	..	18.5	7	-3.3	3	199	15	..	68	19	..
Bendigo	200	13.3	2.6	8.0	..	20.2	7	-3.7	5	105	17	..	30	19	..
Naseby Forest	610	10.9	1.0	6.0	+1.1	17.2	7	-4.8	3	63	10	+17	21	12	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	14.7	4.5	9.6	..	19.8	9	-1.6	6	41	6	..	29	12	..
Ranfurlly	427	11.6	1.2	6.4	..	18.0	8	-5.1	3	33	8	..	14	12	107
Herbert Forest	61	15.2	2.3	8.8	+0.8	21.0	9	-0.6	29	28	9	-25	17	12	..
Palmerston	21	14.9	2.5	8.7	+1.3	21.2	7	-4.1	6	37	10	..	24	12	137
Cherry Farm Hospital	6	14.3	3.9	9.1	+1.0	20.0	9	-0.2	24	34	11	-24	23	12	..
Taiaroa Head	72	13.0	7.3	10.2	+1.5	18.5	9	3.0	28	68	14	-1	30	12	..
Invermay, Taieri	30	14.0	4.3	9.2	..	20.6	7	-1.7	3	98	9	..	49	13	115
Berwick Forest	18	13.9	3.7	8.8	+1.3	19.7	7	-2.5	3	57	14	-7	13	12	..
Dunedin Airport	1	13.9	2.7	8.3	+0.9	20.5	7	-4.5	5	91	11	+35	32	14	117
Musselburgh, Dunedin	2	13.5	6.4	10.0	+1.1	19.0	20	2.5	3	68	13	-3	25	12	107
Te Anau	215	11.6	3.8	7.7	+1.2	16.0	30	-2.2	26	221	17	+122	72	21	70
West Arm, Manapouri	232	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Borland Burn	183	..	..	..	..	..	..	..	..	230	..	..	..	..	..
Queenstown	329	11.4	3.2	7.3	+0.4	16.4	30	-1.2	2	186	16	+107	45	7	79
Queenstown Airport	349	11.2	1.9	6.6	+0.5	15.6	30	-2.9	4	147	15	+86	35	21	..
Otama	183	11.8	3.1	7.5	..	19.4	7	-3.2	3	71	18	+7	15	21	..
Cromwell	213	13.0	1.6	7.3	+0.8	18.1	7	-5.5	3	83	16	+47	22	19	148
Northburn	210	13.2	2.3	7.8	..	18.2	19	-3.7	3	70	17	..	16	7	..
Lauder	370	12.1	2.3	7.2	..	18.4	19	-4.5	3	59	14	..	18	12	..
Clyde Dam	160	13.3	3.6	8.5	..	19.9	7	-3.0	4	102	16	..	31	7	..
Ophir	305	12.5	0.5	6.5	+1.3	18.8	7	-7.1	5	54	8	+24	12	19	..
Moa Creek	427	..	..	..	..	..	..	..	..	67	11	+39	12	12	..
Earnsclough	152	13.6	1.4	7.5	+1.7	20.8	7	-6.6	3	77	14	+49	21	7	..
Roxburgh Power Station	110	13.8	3.2	8.5	+1.0	20.4	7	-4.0	3	49	13	+11	16	12	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	13.1	2.9	8.0	..	19.4	7	-2.0	3	111	18	+25	19	17	..
Mahinerangi Dam	396	11.3	3.0	7.2	+1.4	17.0	7	-2.0	3	95	16	+14	17	12	..
Tapanui	226	11.8	4.0	7.9	+0.3	17.7	7	-2.4	3	99	18	+15	16	12	..
Taieri Mouth	15	12.9	4.8	8.9	+1.0	18.5	9	0.3	3	94	13	+20	21	12	..
Tuatapere	27	12.9	4.1	8.5	..	18.1	6	-1.8	3	175	19	..	43	21	..
Otautau	55	12.6	3.1	7.9	+0.7	18.0	6	-4.5	3	186	20	+89	35	21	62
Winton	44	12.6	3.8	8.2	+0.8	19.3	7	-3.0	3	120	19	+54	30	21	79
Gore	123	12.0	4.0	8.0	+1.2	18.5	7	-2.7	3	106	21	..	20	21	91
Hokonui Forest	46	12.9	3.8	8.4	+0.9	19.5	8	-4.2	3	139	19	+53	32	21	..
Woodlands	47	12.4	4.3	8.4	+1.4	17.9	30	-3.0	3	186	25	..	27	21	..
Invercargill Airport	0	12.6	3.9	8.3	+1.1	17.7	30	-3.9	3	189	21	+98	38	21	69
Tiwai Point, Bluff	5	12.5	5.9	9.2	+0.8	16.7	7	0.7	3	163	20	..	38	21	..
Stewart Island	3	12.1	5.3	8.7	..	15.0	30	2.0	3	193	24	..	23	8	..
Milton	18	12.7	3.1	7.9	+0.7	17.6	7	-4.3	3	74	16	+8	21	13	..
Finegand, Balclutha	6	12.8	4.2	8.5	+0.9	17.2	7	-2.0	3	70	17	..	16	12	101
Owaka	5	13.0	3.7	8.4	..	18.4	30	-4.2	3	135	18	..	23	25	..
Nugget Point	129	11.8	5.6	8.7	+0.8	17.3	9	1.7	24	131	23	+55	34	25	..
Tautuku	61	12.5	4.9	8.7	..	18.2	30	0.5	3	196	22	..	40	22	..
Nandi Airport, Fiji	19	29.9	20.0	25.0	+0.2	31.7	9	17.2	7	21	5	..	16	20	222
Rarotonga Airport	7	26.8	21.4	24.1	+0.7	29.4	15	17.2	8	151	20	-32	41	31	135
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Island	38	21.1	16.2	18.7	-0.1	23.6	11	12.4	20	122	14	-23	98	12	182
Campbell Island	15	9.2	5.3	7.3	+1.2	13.9	7	0.9	20	239	28	+99	106	22	11
Waitangi, Chatham Island	44	13.2	8.0	10.6	+0.2	15.8	13	4.0	22	74	25	-43	17	23	93
Scott Base, Antarctica	16	-21.9	-34.3	-28.1	+0.3	-7.2	24	-41.2	19	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Umawera 04/1982	50	20.0	9.3	14.7	..	22.5	1	4.0	17	115	9	..	54	8	..
Dargaville 03/1982	20	22.8	12.2	17.5	-0.3	26.1	11	5.6	19	93	10	+14	31	1	178
Dargaville 04/1982	20	19.6	9.6	14.6	-1.1	22.0	4	3.4	12	125	13	+21	41	8	132
Paeroa 04/1982	4	19.4	..	..	..	22.9	2	..	..	82	8	-40	35	9	..
Huntly 03/1982	34	22.5	12.8	17.7	..	26.1	2	8.0	18	135	10	..	50	31	..
Huntly 04/1982	34	18.5	8.8	13.7	..	22.3	1	5.0	12	92	8	..	29	9	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for May 1982—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															
Port Taharoa 04/1982	27	19.3	11.2	15.3	-1.1	22.5	1	7.8	23	66	..	..	..	..
Chateau, Mt Ruapehu 03/1982	1119	15.6	5.1	10.4	-0.3	20.0	1	-2.0	15	126	..	-52	..	..
Chateau, Mt Ruapehu 04/1982	1119	14.3	1.9	8.1	+0.1	20.0	20	-3.0	26	63	..	-161	19	28	
Wharerata Forest 04/1982	439	13.9	7.5	10.7	..	..	..	4.6	6	364	22	..	165	9
Esk Forest 04/1982	427	14.2	7.6	10.9	-1.6	20.0	4	4.3	25	312	18	+177	106	9	
Portland Island 04/1982	78	16.2	11.8	14.0	-1.2	20.0	4	9.2	3	134	26	+45	27	9	
Wharite Peak 04/1982	914	9.1	4.7	6.9	-1.1	13.5	29	0.0	9	69	24	-81	22	1	
Springs Junction 04/1982	421	15.5	2.4	9.0	..	19.8	2	-3.2	28	103	8	-88	47	29	
Hari Hari 04/1982	45	17.6	4.8	11.2	+0.0	22.4	1	-1.5	28	153	11	-139	63	6	
Franz Josef 04/1982	122	17.0	5.8	11.4	-0.3	21.5	1	2.4	28	161	11	-240	40	6	
Puysegur Point 04/1982	43	14.8	9.3	12.1	..	18.1	28	6.2	9	84	18	-129	28	7	
Appleby 05/1981	17	15.3	5.4	10.4	+0.0	19.1	1	1.1	24	84	11	-25	34	11	
Waiau 04/1982	137	15.8	4.7	10.3	..	24.0	3	-0.7	28	36	8	..	16	12	
Temuka 04/1982	24	15.3	4.5	9.9	-1.2	20.0	7	-0.8	26	93	9	+40	21	1	
Moa Creek 04/1982	427	15.5	-1.0	7.3	-1.0	20.0	7	-6.0	26	14	5	-14	10	7	
Tautuku 03/1982	61	17.5	8.2	12.9	..	27.2	9	2.6	24	65	19	..	12	30	
Tautuku 04/1982	61	14.1	5.4	9.8	..	18.5	5	2.1	9	49	15	..	10	7	
Totokoitu, Rarotonga 04/1982	9	28.3	22.1	25.2	..	30.4	1	19.3	11	352	18	..	82	25	

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 WEATHER IN NEW ZEALAND, MAY 1982

General—May was generally sunny and a little milder than usual.

North-westerly winds were more frequent in the south, where there were also more strong winds than normal. Winds in the north of the country were unusually light.

Farmers in the North Island generally reported good late autumn pasture growth, but some eastern and southern areas were too dry to sustain much growth. Low rainfall also affected eastern areas of the South Island and led to reports of critical feed shortage from some districts. Heavy rain in parts of Westland and Southland this month led to pugging of pasture and slips on some properties.

A small tornado caused minor damage to out-buildings and trees in Otahuhu, Auckland on the 14th.

Rainfall—Apart from areas of Manawatu and Taranaki all of the North Island and the north and east of the South Island had less rainfall than normal for May. Eastern areas of both Islands were particularly dry, with some stations around Napier and Kaikoura recording less than 20 percent of their normal rainfall. Westland, Fiordland, Southland, and Otago were wetter than usual, with some areas to the south and inland recording twice their usual May rainfalls.

Snow fell to low levels in the South Island during the 22nd and 23rd, causing the closure of Lewis Pass and the Hope Saddle Road in Nelson and restricting traffic across Arthur's Pass for a time.

Temperatures—Mean temperatures were above average by between 1° and 2°C in eastern and southern areas of the South Island and by up to 1°C for the rest of the South Island and northern and southern areas of the North Island. Central and eastern areas of the North Island were up to 1°C colder than usual.

There was a warm spell between the 7th and 11th during a period of westerly or north-westerly winds. Mean daily temperatures were up to 6°C above average at times and many stations, especially in the south and east and including Kaikoura, Christchurch, Dunedin, Alexandra and Roxburgh recorded maximum temperatures of 20°C or higher on one or more days during this interval.

Temperatures were again high in eastern areas between the 19th and 20th. During this period a maximum temperature of 24.6°C was recorded at Kaikoura, the highest for May since records began in 1964.

Sunshine—Sunshine hours were normal or above normal except in south Westland and Southland which had less sun than usual.

Some eastern areas were particularly sunny and Timaru recorded 171 hours, its highest total for May since 1938. Tauranga and Ruakura, with 188 and 173 hours respectively had their sunniest May since 1966 and Ohakea, with 164 hours, its second sunniest May since recording began in 1954.

Among those stations with the greatest departures this month were: Timaru (+52 hours), Ruakura (+45 hours), Tauranga (+43 hours), Gisborne (+44 hours), Hokitika (-37 hours), and Invercargill (-25 hours).

THE WEATHER SEQUENCE, MAY 1982

1st-7th May

On the first of May a shallow depression covered New Zealand and a cold front lying to the east of the country brought rain to northern and eastern areas. Light rain continued to fall in these areas on the

2nd as the depression moved eastward, while the rest of the country continued to have fine, cool conditions. An extensive anticyclone centred in the Tasman Sea extended a ridge onto the South Island on the 3rd and by the 4th lay centred over the South Island. Most districts had fine, settled weather during the 4th and 5th, apart from Northland, where there were isolated light falls of rain. Fine weather continued in many areas on the 6th but a front lying to the west of the country brought rain to Westland and Fiordland. Rain spread to Southland, Otago, Nelson, and New Plymouth on the 7th as a complex frontal system within a trough began to move onto the South Island.

8th-14th May

Rain became widespread on the 8th, as the trough moved onto the country, but had cleared from the North Island and east of the South Island by the 9th, although a disturbed westerly flow following the trough brought further rain to the rest of the South Island. Further fronts within this flow brought rain to southern and western areas of both Islands on the 10th and 11th. By the 12th a shallow but complex trough had developed in the south Tasman Sea, and rain fell in all districts except parts of Northland and Hawke's Bay and the Kaikoura Coast as it moved onto the country. The trough developed into a depression centred over the South Island on the 13th and rain became widespread during the 13th and 14th.

15th-21st May

Rain cleared or became light in most districts as the depression moved off the country during the 15th. A south to south-westerly flow developed over the country between the 16th and 18th, bringing rain to Northland, southern and western areas of the South Island and night-time temperatures became cool. On the 19th an intense anticyclone crossed the north of the North Island resulting in a disturbed westerly flow over the rest of the country. Heavy rain fell in Westland, Fiordland, Southland, and the South Island high country. Temperatures were mild, particularly in eastern districts. Rain became widespread, apart from eastern areas of both Islands, on the 20th, with temperatures remaining mild. The rain eased or cleared from most North Island districts on the 21st, but remained heavy in all except eastern districts of the South Island.

22nd-31st May

A cold front associated with a depression near Macquarie Island crossed the country during the 22nd. Rain fell in all districts except east coast areas from Kaikoura north on the 22nd, and rain fell in the North Island and west of the South Island on the 23rd. A west to south-west flow developed behind this front, with further rain in central and northern areas of the North Island and the south and west of the South Island between the 24th and 26th. An anticyclone centred in the Tasman Sea began to move onto the North Island during the 27th, and, apart from isolated local rainfalls, there was a clearance in the weather. The anticyclone moved slowly onto the country during the last 4 days of the month, bringing fine weather to all districts.

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