



**SUPPLEMENT**

TO THE

**NEW ZEALAND GAZETTE**

OF

THURSDAY, 15 MAY 1986

*Published by Authority*

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WELLINGTON: MONDAY, 19 MAY 1986

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**CLIMATOLOGICAL TABLE**  
**FOR MAY 1986**

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for March 1986

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius							Rainfall in Millimetres				Bright Sun-shine Hrs		
		Means of		Mean of A and B	Differ-ence From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Differ-ence 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	mm		mm	mm
Cape Reinga	191	22.6	15.5	19.1	+0.4	25.7	10	11.9	31	16	13	-62	6	3	..
Aupouri Forest	69	23.2	15.0	19.1	-0.2	24.7	13	11.3	27	37	5	-28	26	14	..
Kaitaia	8	24.3	12.3	18.3	..	26.0	10	7.1	27	56	8	..	30	14	..
Kaitaia	85	23.2	13.9	18.6	..	25.1	12	8.5	27	92	11	..	60	14	233
Kerikeri M A F	79	24.0	12.7	18.4	..	25.6	16	8.4	27	32	16	..	9	1	..
Kerikeri Downs	74	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kerikeri Downs 2	74	23.5	12.8	18.2	..	25.4	3	9.4	27	30	16	..	6	1	..
Kerikeri Aerodrome	150	23.5	12.7	18.1	..	26.1	15	9.2	27	19	11	..	5	27	..
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	22.6	11.9	17.3	-0.3	26.5	11	6.6	31	46	11	-62	17	3	..
Dargaville	20	23.5	11.8	17.7	-0.5	27.1	12	6.3	28	28	7	-55	17	3	229
Waitangi Forest	55	23.4	13.4	18.4	-0.6	26.3	16	10.5	27	22	8	-89	7	28	244
Glenervie Forest	107	22.7	9.5	16.1	-0.9	25.7	15	5.0	30	18	7	-159	12	3	..
Whangarei Airport	37	23.3	14.0	18.7	-0.1	26.5	14	10.0	30	16	6	-121	12	3	..
Whangarei	29	24.2	12.8	18.5	-0.1	28.5	16	9.0	30	18	3	..	13	3	233*
Marsden Power Stn	3	24.0	14.2	19.1	+0.0	27.6	15	10.9	21	22	8	-94	10	3	..
Poua	97	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leigh	27	22.2	15.9	19.1	+0.2	24.5	16	12.5	26	45	8	-49	19	4	225
Warkworth	72	..	11.4	..	..	..	..	6.1	30	26	12	-107	13	4	..
Woodhill Forest	30	22.5	11.7	17.1	-0.9	26.7	12	5.3	31	41	8	-51	22	3	..
Riverhead Forest	28	22.9	10.8	16.9	-0.6	26.6	13	4.5	31	31	9	-70	14	3	..
Kumeu	32	23.4	10.3	16.9	-0.6	27.0	13	3.3	31	49	12	..	26	3	..
Whenuapai	26	22.8	11.4	17.1	-0.9	25.9	13	5.1	31	53	14	-40	18	3	..
River Park Henderson	4	23.9	11.2	17.6	..	27.9	13	5.1	31	53	12	..	25	3	..
Albert Park Auckland	49	23.3	14.9	19.1	-0.2	26.6	13	11.0	31	47	11	-44	17	14	246*
Owairaka, Auckland	41	22.8	13.3	18.1	-0.3	26.3	13	8.0	31	39	9	-54	24	3	..
Port Fitzroy	4	23.3	13.1	18.2	-0.6	26.2	12	9.4	27	39	14	-142	11	31	..
Little Barrier Is	2	23.2	15.7	19.5	..	25.4	5	13.4	28	18	8	-116	6	3	..
Rotorua Is	30	22.1	16.1	19.1	..	24.0	11	13.1	27	33	6	..	9	3	..
Awaroa Valley	30	23.1	13.1	18.1	..	25.3	13	6.8	27	110	8	..	57	31	..
Manukau Heads	244	21.3	14.4	17.9	..	24.4	13	9.4	30	34	10	-43	17	14	..
Coromandel	43	23.4	12.4	17.9	..	27.9	14	6.7	27	45	10	..	13	3	..
Whangapoua Forest	4	23.7	10.9	17.3	-0.5	26.4	15	5.0	27	43	10	-105	15	1	..
Thames	3	23.2	13.5	18.4	-0.3	25.6	10	8.2	27	33	10	-69	12	3	..
Tairua Forest	3	22.5	12.0	17.3	-0.6	26.5	15	5.4	27	40	9	-128	14	4	..
Ngatea	1	24.0	9.4	16.7	..	27.2	12	2.2	27	42	10	..	11	3	..
Paeroa	4	24.1	10.6	17.4	-0.5	27.7	14	3.9	27	36	9	-68	9	31	..
Waihi	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Aroha	18	24.0	11.3	17.7	-0.7	27.7	13	4.2	26	45	12	-78	10	1	..
Kaikati	2	23.9	11.4	17.7	..	26.2	14	5.8	27	26	8	..	10	3	..
Waharoa	60	23.2	10.0	16.6	..	27.3	13	3.6	26	21	8	..	8	15	..
Tauranga	2	22.5	14.1	18.3	+0.1	25.1	16	9.7	27	60	8	-70	24	14	..
Tauranga Airport	4	22.4	12.7	17.6	-0.2	24.7	16	7.7	26	47	9	-86	16	14	222
Te Puke	91	22.4	11.2	16.8	-0.7	24.2	14	6.2	26	86	11	-145	58	14	216
Rotoehu Forest	72	..	9.4	..	..	..	..	3.5	26	111	9	-39	27	12	..
Whakatane Airport	6	22.1	10.5	16.3	-1.0	24.3	17	4.2	26	139	11	+15	105	12	228
Te Kaha	6	22.9	13.7	18.3	..	25.1	12	8.5	25	43	9	..	12	28	..
Port Ohope	9	22.4	13.8	18.1	-0.2	24.1	11	9.1	26	64	12	..	28	12	235
Kinleith	383	20.7	8.7	14.7	-1.1	24.9	13	1.8	31	38	8	-56	15	15	..
Tikitere	338	20.6	11.4	16.0	-0.2	23.5	14	6.5	26	36	9	..	11	1	..
Kawerau	30	23.4	11.8	17.6	-0.5	27.0	14	6.8	26	118	7	-42	39	12	..
Te Teko	8	24.5	11.4	18.0	+0.1	29.0	14	7.2	26	141	10	-4	72	12	220
Rotorua Airport	287	21.2	10.6	15.9	-0.4	24.1	14	4.3	26	30	10	-95	8	12	225
Waiotapu Forest	435	20.1	8.3	14.2	-1.0	23.5	14	1.4	26	55	9	-63	29	15	..
Atiamuri Power Stn	253	22.8	9.4	16.1	+0.1	26.5	14	1.3	31	28	6	-68	10	15	..
Kaingaroa Forest	544	19.5	8.1	13.8	-1.0	23.5	14	0.2	26	62	9	-61	27	12	..
Murupara	198	22.5	9.4	16.0	-0.6	27.0	7	2.5	26	103	6	+6	58	12	..
Ohaaki	350	21.3	8.9	15.1	..	25.0	14	0.5	31	27	9	..	11	15	..
Wairapukao Forest	437	20.7	7.0	13.9	-0.6	24.4	14	0.4	8	75	5	-32	32	12	..
Taupo	376	21.1	8.8	15.0	-0.8	25.1	14	1.5	26	24	9	-56	10	15	222
Wairakei Power Stn	342	21.5	8.3	14.9	-1.0	25.3	14	0.7	26	17	7	-75	8	3	..
Wairakei Research Stn	402	22.5	7.1	14.8	-0.5	26.0	11	-1.3	31	15	5	-77	8	3	..
Minginui Forest	366	20.9	8.2	14.6	-0.4	25.4	14	-0.5	26	144	8	+48	64	12	..
Taupo Airport	400	20.4	8.1	14.3	-1.1	24.7	12	0.0	26	12	6	-56	5	15	..
Waimihia Forest	743	17.3	7.2	12.3	-0.7	21.4	14	0.2	31	31	9	-82	7	15	..
Opotiki	6	22.5	12.8	17.7	+0.0	25.1	11	7.1	26	62	10	-70	21	12	224
Waimana	37	23.0	10.7	16.9	-0.4	26.8	14	4.2	26	130	6	-23	49	12	..
Matawai Maf Edl	580	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangere Auckland	4	22.8	13.7	18.3	-0.2	26.8	13	6.9	31	34	11	-55	20	3	253
Otara Auckland	12	23.0	12.0	17.5	-0.6	26.1	13	5.9	31	56	9	-31	20	12	..
Auckland Airport	8	22.4	14.1	18.3	-0.3	25.2	13	8.8	31	37	9	-43	19	3	259
Ardmore	30	23.0	11.1	17.1	-0.8	26.5	13	4.5	27	41	12	-51	17	3	..
Pukekohe	82	22.6	12.0	17.3	-0.4	26.0	13	4.5	29	69	11	..	30	1	232
Maioro Forest	52	22.9	12.6	17.8	-0.2	26.7	12	6.3	31	53	10	-38	17	3	..
Hunua	122	22.3	9.6	16.0	..	25.6	13	3.4	28	51	10	..	16	3	..

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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.			Maxi-mum	Date	Mini-mum	Date				Amount	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm		
Maramarua Forest	38	23.0	9.6	16.3	-0.8	27.5	13	3.5	31	62	9	-32	15	3	..
Te Kauwhata	32	23.0	10.3	16.7	-1.2	26.8	11	4.1	28	39	13	-45	14	3	236
Huntly	34	23.5	12.3	17.9	..	26.4	12	7.3	27	29	..	..	15	3	..
Ruakura Hamilton	40	22.8	10.1	16.5	-0.6	26.0	13	3.5	26	41	8	-43	14	3	245
Whatawhata	104	22.4	10.4	16.4	-0.7	26.1	12	2.8	31	58	12	-53	31	3	218
Hamilton Airport	50	23.5	9.1	16.3	-0.5	26.4	12	2.5	27	32	8	-49	14	3	..
Cambridge	76	23.0	9.6	16.3	-0.7	26.4	13	1.9	31	34	9	-34	15	3	..
Mohakatino Stn Mokau	46	21.7	12.9	17.3	-0.2	25.0	11	7.0	31	57	9	-49	22	3	..
Arapuni Power Stn	123	22.6	10.3	16.5	-0.8	27.0	13	3.5	31	15	7	-80	10	3	..
Waikeria	46	23.3	8.6	16.0	-1.0	26.7	13	0.0	31	43	9	..	22	3	..
Te Kuiti	61	22.7	10.1	16.4	-0.7	25.9	13	2.8	31	56	12	-40	15	14	232
Wairere	156	22.2	9.4	15.8	..	25.2	13	1.3	31	44	11	-54	16	15	..
Pureora Forest	549	19.5	7.0	13.3	-0.8	23.4	13	-1.0	31	41	12	-79	12	3	..
Mangakahu Valley	397	20.5	9.2	14.9	..	24.5	12	2.3	31	42	7	..	12	3	..
Taumarunui	171	22.6	8.7	15.7	-1.1	26.2	11	-0.2	31	33	9	-49	12	3	222
Tokirima	152	22.8	7.5	15.2	..	26.1	11	-0.8	31	51	10	..	17	15	..
Omata	61	21.5	14.0	17.8	+0.1	23.8	12	9.0	31	52	9	-34	20	3	..
New Plymouth	55	22.0	12.1	17.1	+0.1	25.5	2	5.3	31	60	9	-44	27	13	..
New Plymouth Airport	27	20.8	11.9	16.4	-0.4	23.6	12	5.5	31	76	11	-21	34	3	262
North Egmont	955	15.2	7.6	11.4	..	18.5	5	3.4	26	301	11	..	80	15	..
Te Wera Forest	180	20.6	7.6	14.1	-1.2	25.0	11	1.4	27	109	9	-9	37	12	..
Lower Retaruke	223	22.1	8.0	15.1	-1.0	26.7	14	0.4	27	39	8	-49	17	3	..
Turangi	366	21.0	8.8	14.9	-0.7	25.1	14	0.2	31	70	8	-44	27	3	242
Chateau, Mt Ruapehu	1097	16.2	5.2	10.7	..	20.7	12	-0.4	26	90	..	..	31	15	..
Hukanui	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	20.4	9.0	14.7	+0.4	28.6	12	0.9	27	155	17	+12	31	15	..
Waingawa Masterton	114	20.8	..	..	..	27.0	12	..	..	186	17	+110	122	13	197
Kopua	311	19.3	9.7	14.5	-0.6	25.6	15	3.0	26	49	14	-51	11	13	..
Waipukurau	137	20.8	9.7	15.3	-0.7	26.5	15	2.9	8	65	10	-11	31	13	205*
Dannevirke	207	20.2	9.2	14.7	-1.1	27.2	15	1.7	26	55	15	-33	9	14	182
Porangahau	8	20.7	10.9	15.8	..	24.8	15	4.3	24	70	12	..	21	4	..
Castlepoint	3	19.7	13.8	16.8	-0.3	23.1	3	8.7	30	94	14	+13	32	3	..
Ngaumu Forest	244	20.1	9.0	14.6	-0.2	26.0	12	1.9	26	103	14	+11	18	3	..
Tauherenikau	43	21.0	9.9	15.5	-0.6	26.7	11	3.9	27	180	14	+97	70	13	189
Waiorongomai	21	19.8	10.8	15.3	-0.4	24.9	15	5.0	8	167	13	+53	62	3	..
Cape Palliser	10	19.4	13.2	16.3	-0.6	24.4	9	7.5	27	105	16	+12	25	13	..
Ruatoria	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangatu Forest	182	22.1	10.6	16.4	-0.2	26.7	13	3.9	27	143	13	+31	66	4	..
Manutuke Gisborne	9	22.8	11.5	17.2	+0.1	27.5	3	4.6	27	80	..	-10	..	..	..
Gisborne Airport	4	22.7	11.7	17.2	+0.0	27.8	3	5.0	27	52	14	-40	14	4	214
Onepoto, Waikaremoana	643	18.9	9.7	14.3	-0.6	26.0	19	4.5	30	193	15	+20	41	3	..
Wharerata Forest	439	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokomaru Bay Maf Edl	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Esk Forest	427	19.1	10.0	14.6	-0.6	24.8	14	-2.7	26	103	13	-53	42	4	..
Ngamatea	885	16.4	5.4	10.9	..	22.5	12	-2.0	31	43	10	..	19	4	..
Kaweka Forest	414	19.7	10.9	15.3	-0.5	25.2	15	4.4	30	82	9	-56	29	4	..
Napier Airport	2	21.7	11.1	16.4	-0.5	27.3	3	4.2	31	74	10	-10	40	13	..
Napier	2	22.8	11.8	17.3	-0.3	27.5	16	5.0	27	68	10	-13	32	13	212
Hastings	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatu	6	21.8	10.5	16.2	..	26.8	16	3.7	27	54	10	..	26	13	..
Gwavas Forest	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Makaretu	335	20.3	9.2	14.8	-0.5	27.1	15	1.9	27	47	14	-70	15	13	..
Mohaka Forest	286	20.5	10.5	15.5	-0.6	25.5	14	3.2	31	171	13	+45	47	4	..
Frasertown, Wairoa	8	21.8	11.8	16.8	-0.6	26.9	16	5.5	31	157	19	+36	35	6	..
Wairoa	20	21.6	11.8	16.7	-0.5	26.8	17	4.3	31	131	12	+28	26	4	209
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	20.1	11.4	15.8	-0.4	25.5	12	5.3	30	44	7	-32	13	15	245
Flockhouse Bulls	9	20.9	10.2	15.6	-0.9	26.3	12	1.2	30	26	13	-36	9	3	..
Ohakea	48	20.7	11.6	16.2	-0.7	27.0	12	4.6	30	26	12	-39	6	13	227
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	21.2	9.7	15.5	-0.9	27.5	12	0.8	30	21	9	..	6	3	..
Palmerston N Airport	45	21.6	11.0	16.3	-0.1	27.3	14	1.9	30	16	8	-51	4	3	..
Palmerston N D S I R	34	21.2	11.1	16.2	-0.6	26.8	12	3.0	30	18	10	..	7	3	196
Foxton	9	21.3	10.3	15.8	..	26.9	12	1.8	30	36	13	..	13	3	235
Tiritea	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waitarere Forest	3	20.5	9.7	15.1	-1.2	24.8	15	1.0	30	31	8	-33	12	12	..
Levin	46	20.6	11.2	15.9	-0.5	26.0	12	4.1	30	38	10	-39	15	3	218
Titahi Bay	31	20.2	12.5	16.4	..	25.0	13	6.1	26	86	11	..	39	31	..
Avalon, Lower Hutt	15	20.3	11.5	15.9	-0.4	24.6	13	5.8	30	110	11	+1	42	3	..
Highland Pk Wgtn	120	..	..	..	..	..	..	..	..	112	12	..	44	3	..
Kelburn, Wellington	125	18.9	12.6	15.8	+0.0	23.5	13	8.7	31	123	11	+27	54	3	221
Somes Is	43	18.8	13.1	16.0	-0.3	23.0	15	8.5	1	106	11	+22	50	31	..
Gracefield Lower Hutt	34	19.4	12.6	16.0	-0.3	24.1	15	5.5	29	93	11	-2	39	31	..
Wainuiomata	82	19.3	11.3	15.3	-0.3	24.0	14	5.6	30	165	13	+45	53	3	..
Wellington Airport	6	19.6	13.9	16.8	+0.3	24.4	15	10.3	26	107	12	+25	41	31	..



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		A Max.	B Min.			Maxi—mum	Date	Mini—mum	Date				Amount	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
Highbank Power Stn	336	..	10.2	..	..	..	5.3	25	201	10	+113	97	12	167	
Hororata Substation	192	20.0	8.6	14.3	+0.0	26.8	8	2.7	2	181	16	+106	74	12	172
Winchmore	160	19.3	9.3	14.3	+0.2	27.9	8	2.9	28	144	13	+74	66	12	..
Peel Forest	274	19.2	7.7	13.5	+0.2	26.7	8	1.5	25	263	25	+182	136	12	..
Ashburton	101	20.1	9.8	15.0	-0.2	27.9	8	5.1	2	136	13	+64	46	12	163
Waipara	64	19.9	10.5	15.2	-0.2	25.6	8	4.6	23	94	10	+41	36	12	..
Ashley Forest	107	19.0	10.7	14.9	+0.1	27.0	9	6.5	2	160	10	+81	82	12	176
Rangiora	46	20.1	9.1	14.6	-0.1	28.1	9	3.5	2	175	14	+112	110	12	..
Darfield	195	20.4	9.4	14.9	+0.0	27.1	8	3.6	23	181	12	+108	75	12	..
Eyrewell Forest	158	19.8	8.6	14.2	-0.2	27.2	9	2.0	23	168	11	+99	77	12	..
Christchurch Airport	30	19.7	9.7	14.7	-0.3	27.2	9	4.2	5	139	14	+78	58	12	192
Templeton	46	19.9	9.6	14.8	-0.1	27.1	10	3.9	5	122	13	..	44	12	..
Christchurch	7	20.4	10.6	15.5	+0.1	27.5	9	5.6	5	218	11	+157	71	12	..
Bromley Christchurch	9	19.6	11.6	15.6	+0.1	26.5	16	6.5	2	165	15	+114	90	12	..
Mt Pleasant	137	18.9	12.5	15.7	+0.3	26.0	9	7.3	29	142	11	+95	62	12	..
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Quail Island	75	19.2	12.3	15.8	..	25.6	16	7.3	29	140	9	..	62	12	..
Akaroa	3	20.9	10.2	15.6	-0.2	28.3	9	5.0	2	219	..	..	90	12	..
Lake Tekapo	683	17.5	8.2	12.9	-0.4	26.0	27	2.5	29	116	12	+69	53	12	..
Fairlie	304	19.1	7.5	13.3	..	27.3	8	0.5	26	210	10	..	113	12	..
Twizel	457	19.1	7.0	13.1	-0.5	24.5	8	-0.8	26	94	14	+34	47	12	..
Twizel Substation	451	19.7	8.5	14.1	..	25.0	27	1.2	26	88	13	..	41	12	..
Ikawai	70	19.1	9.4	14.3	+0.7	25.5	9	3.0	26	179	12	+121	95	12	..
Geraldine	119	19.7	9.7	14.7	+0.2	27.3	16	4.2	29	187	13	+85	102	12	..
Orari Estate	81	19.1	9.5	14.3	+0.2	26.8	16	3.8	26	171	14	+96	93	12	..
Temuka	24	19.1	10.1	14.6	+0.3	26.4	16	4.1	27	167	13	+101	97	12	..
Timaru Airport	26	18.8	9.6	14.2	+0.2	26.1	16	3.7	26	187	13	+130	114	12	..
Adair	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timaru 2	17	18.4	10.9	14.7	..	26.1	16	5.5	26	133	10	..	86	12	156
Waimate	61	18.5	10.1	14.3	-0.3	26.1	16	4.9	26	192	15	+129	108	12	..
Aviemore	241	19.0	9.6	14.3	..	24.7	8	3.1	26	127	9	+84	69	12	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Knobs Flat	375	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Hawea	350	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanaka	296	20.8	9.5	15.2	+0.8	25.1	22	1.8	26	58	11	-2	17	12	..
Queensberry	277	20.5	9.9	15.2	..	25.3	22	2.1	26	47	11	..	18	12	..
Bendigo	200	21.4	9.9	15.7	..	26.2	7	2.1	26	36	10	..	14	12	..
Naseby	607	..	6.3	..	..	..	..	0.3	26	140	16	..	40	6	..
Oamaru	5	17.6	10.9	14.3	..	25.3	9	5.1	29	100	11	..	30	13	..
Ranfurlly	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Herbert Forest	61	18.0	..	..	..	25.3	27	..	..	213	16	+152	73	13	..
Palmerston	21	17.7	9.3	13.5	+0.5	26.6	27	1.4	18	137	15	+71	50	13	124
Cherry Farm Hospital	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invermay Edr	30	18.0	9.2	13.6	..	26.3	27	4.4	21	95	15	..	28	13	..
Berwick Forest	18	18.8	8.9	13.9	+0.5	28.0	27	3.6	18	71	17	+6	23	13	..
Dunedin Airport	1	18.3	8.6	13.5	+0.3	26.2	27	2.1	18	60	13	-2	22	13	137
Musselburgh Dunedin	2	16.8	11.3	14.1	+0.1	22.7	27	7.5	18	101	17	+25	31	13	131
Te Anau	215	18.6	8.9	13.8	+0.8	23.7	7	1.2	26	59	11	-49	22	16	139
West Arm, Manapouri	232	16.0	..	..	..	21.0	15	..	..	240	18	-125	56	16	..
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	19.7	9.7	14.7	+0.4	24.7	7	4.1	26	48	11	-25	12	16	186
Queenstown Airport	349	18.8	9.7	14.3	+1.2	22.6	8	4.3	1	38	9	-25	8	16	..
Gibbston	354	19.9	9.1	14.5	..	25.0	8	1.4	26	45	9	..	11	12	..
Cromwell Sub Stn	213	21.2	9.8	15.5	..	26.6	8	1.5	26	28	10	-17	8	12	..
Cromwell	213	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Northburn	210	21.1	9.8	15.5	..	25.6	7	3.1	26	43	10	..	19	12	..
Cromwell 2	213	20.8	9.1	15.0	..	26.3	8	1.5	26	39	10	..	15	12	197
Lauder	370	19.2	8.3	13.8	..	24.3	23	0.8	26	55	15	..	15	13	..
Clyde Dam	160	20.6	9.7	15.2	..	26.3	8	3.1	26	34	11	..	13	13	..
Ophir	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Poolburn Edl	412	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde(Dsir)	171	20.6	9.0	14.8	..	26.4	8	1.5	26	29	11	..	9	13	..
Alexandra	141	21.7	9.2	15.5	..	27.5	8	2.0	26	22	9	..	6	13	175
Roxburgh Power Stn	110	19.9	8.8	14.4	+0.0	26.6	8	2.0	18	25	11	-24	7	24	..
Ettrick No 1	83	20.4	..	..	..	28.0	8	..	..	40	10	..	10	24	..
Ettrick No 2	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	19.5	8.9	14.2	..	26.4	8	3.5	26	66	14	-14	14	24	..
Mahinerangi Dam	396	15.9	7.5	11.7	-0.1	22.8	8	2.0	1	82	15	+4	12	24	..
Tapanui	226	18.9	8.4	13.7	+0.5	24.0	8	3.2	1	67	13	-16	13	27	..
Taiari Mouth	15	16.9	9.5	13.2	+0.3	26.5	27	5.4	21	93	16	+30	31	13	..
Tuatapere	27	18.4	8.9	13.7	..	23.7	10	2.5	26	79	21	..	18	16	..
Otautau	55	17.9	8.5	13.2	+0.4	24.2	27	0.7	1	93	17	-2	18	16	87
Winton	44	18.7	8.3	13.5	+0.4	25.0	10	1.8	1	68	15	-10	13	27	126

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for March 1986—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	mm	mm	mm			Hrs		
Gore	123	17.7	8.9	13.3	+0.4	24.5	10	3.6	26	60	18	-28	12	27	151
Hokonui Forest	46	18.8	8.4	13.6	+0.3	25.9	10	1.5	1	60	11	-35	14	24	..
Woodlands	47	18.5	8.3	13.4	+0.6	25.3	10	1.9	1	89	24	-22	16	17	..
Invercargill Airport	0	17.9	8.5	13.2	+0.7	24.3	10	1.3	21	99	15	+10	32	16	121
Tiwai Point, Bluff	5	17.0	10.3	13.7	+0.3	22.5	27	4.8	21	84	15	-9	42	16	..
Stewart Is	3	16.2	9.1	12.7	+0.5	22.6	8	2.9	21	94	24	+13	20	27	..
Clinton School	120	17.7	8.5	13.1	..	25.5	27	1.7	1	55	17	..	9	16	..
Finegand Balclutha	6	17.7	9.3	13.5	+0.1	26.0	27	3.4	21	49	15	-4	12	13	125
Owaka	5	17.5	8.6	13.1	+0.7	25.5	8	0.8	21	80	18	+6	21	13	..
Nugget Point	129	16.1	9.8	13.0	+0.4	22.4	27	5.9	18	66	18	-4	10	13	..
Tautuku	40	16.7	9.0	12.9	-0.2	24.6	8	4.3	21	81	14	+0	18	16	..
Nadi Airport Fiji	15	31.0	22.7	26.9	+0.1	33.3	19	19.8	13	492	21	+137	68	6	180
Rarotonga Airport	7	29.2	23.6	26.4	+0.5	30.7	7	19.2	10	62	18	-193	16	1	205
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	24.7	20.3	22.5	+0.4	26.4	2	16.5	26	198	19	+55	62	3	132
Campbell Is	15	11.8	7.2	9.5	+0.9	14.4	27	0.2	13	91	25	-37	17	23	56
Waitangi, Chatham Is	44	18.4	12.5	15.5	+1.3	21.4	4	7.5	22	129	19	+54	27	15	158
Kainarua, Chatham Is	41	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scott Base Antarctica	16	-14.5	-23.3	-18.9	+1.5	-2.1	2	-34.5	30	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Kerikeri M A F 02/1986	79	24.5	14.7	19.6	..	27.0	4	11.0	20	205	16	..	137	24	..
Kerikeri Downs 2 02/1986	74	24.1	14.6	19.4	..	26.6	4	10.7	20	144	13	..	89	24	..
Panguru 09/1985	9	16.8	9.9	13.4	..	20.4	27	4.4	13	156	27	..	51	17	..
Panguru 01/1986	9	25.7	14.9	20.3	..	29.2	18	9.1	30	265	24	..	53	24	..
Panguru 02/1986	9	24.0	14.0	19.0	..	26.8	22	9.0	12	161	..	..	53	16	..
Waiotemarama 02/1986	229	21.5	14.9	18.2	-0.2	23.7	15	11.9	12	161	14	..	57	16	..
Dargaville 02/1986	20	23.3	14.9	19.1	-0.1	26.1	16	9.5	11	103	8	+12	44	1	..
Poua 02/1986	97	22.5	16.4	19.5	..	25.1	15	13.5	20	106	8	..	40	15	..
Rotoehu Forest 02/1986	72	..	13.0	..	..	..	..	8.5	21	139	9	+14	55	16	..
Wairakei Research Stn 02/1986	402	24.3	11.0	17.7	+0.8	29.7	4	7.4	10	97	9	+11	33	16	..
Matawai Maf Edl 02/1986	580	23.3	9.0	16.2	..	29.4	12	2.0	11	86	9	..	28	16	..
Huntly 02/1986	34	24.7	14.6	19.7	..	28.0	5	11.3	11	74	..	..	..	..	..
Lower Retaruke 01/1986	223	25.0	13.4	19.2	+1.7	31.1	19	2.9	30	167	11	+73	47	3	..
Lower Retaruke 02/1986	223	24.1	11.8	18.0	+0.1	28.8	3	6.2	11	123	9	+29	44	16	..
Chateau, Mt Ruapehu 02/1986	1097	17.2	7.7	12.5	..	22.6	4	2.8	14	155	..	..	..	..	..
Ruatoria 02/1986	61	25.0	14.2	19.6	+0.4	28.8	13	10.2	11	226	10	+106	110	2	..
Tokomaru Bay Maf Edl 02/1986	244	24.1	14.2	19.2	..	27.9	25	10.7	11	157	9	..	81	2	..
Hastings 02/1986	16	24.9	13.7	19.3	..	29.5	20	8.9	10	61	8	..	33	1	..
Whakatu 02/1986	6	24.1	13.3	18.7	..	29.0	25	8.4	10	50	9	..	29	1	..
Wharite Peak 01/1986	914	17.8	10.7	14.3	+2.7	22.8	20	0.7	27	175	12	+24	42	25	..
Palmerston N D S I R 02/1986	34	23.2	14.2	18.7	+0.6	27.7	25	9.2	11	118	12	+60	42	16	155
Kaitoke 02/1986	223	21.0	12.1	16.6	+1.0	24.7	4	3.0	11	147	18	+31	54	16	164
Wallaceville 02/1986	56	22.3	13.3	17.8	+1.1	26.0	3	5.5	9	150	16	+80	66	16	179
Kapuni 01/1986	173	23.2	14.0	18.6	..	26.7	17	4.8	30	145	..	..	39	25	..
Ahu Ahu Valley 02/1986	85	24.3	11.8	18.1	..	28.5	3	6.4	11	108	10	..	26	16	..
Deep Cove 02/1986	30	19.5	..	..	..	25.2	17	..	..	401	..	..	..	..	..
Blenheim Research 02/1986	4	22.7	12.9	17.8	..	29.8	11	8.2	10	129	10	..	67	24	193
Wither Hills Blenheim 11/1985	32	19.5	9.9	14.7	+0.2	26.5	16	2.0	8	59	9	+9	18	24	..
Cape Campbell 02/1986	3	20.4	15.0	17.7	+1.1	23.9	22	11.7	10	121	11	+87	43	16	..
Hanmer Forest 02/1986	387	21.7	9.3	15.5	-0.3	31.0	11	2.6	8	127	11	+55	44	24	148
Craigieburn Forest 02/1986	914	18.8	7.7	13.3	-0.4	25.0	3	2.4	8	169	20	+91	47	24	..
Ashley Forest 02/1986	107	21.1	12.3	16.7	+0.5	29.8	11	8.0	9	134	6	+76	62	24	201
Templeton 11/1985	46	18.0	8.2	13.1	+0.0	27.2	16	3.0	6	75	12	..	23	25	..
Templeton 12/1985	46	20.1	11.4	15.8	+0.7	27.5	14	1.8	4	38	11	..	12	22	..
Templeton 01/1986	46	24.3	13.0	18.7	+2.3	31.7	22	6.4	29	52	7	..	19	25	..
Templeton 02/1986	46	21.9	12.0	17.0	+0.7	29.7	11	7.3	19	87	7	..	35	14	..
Lincoln 02/1986	11	21.7	12.2	17.0	+0.4	30.2	11	6.9	19	100	12	+52	42	14	196
Knobs Flat 02/1986	375	18.6	6.4	12.5	..	26.8	2	0.3	24	176	..	+27	..	..	..
Lake Hawea 11/1985	350	18.0	7.8	12.9	+0.0	24.2	9	2.0	13	92	9	+24	50	18	..
Lake Hawea 12/1985	350	20.6	10.5	15.6	+0.2	25.5	15	5.1	4	57	10	+0	20	23	..
Lake Hawea 01/1986	350	22.7	12.4	17.6	+0.8	29.9	19	3.4	29	35	11	-20	11	12	..
Lake Hawea 02/1986	350	20.3	10.4	15.4	-1.4	26.9	4	5.8	24	50	15	+3	12	25	..
Taiaroa Head 02/1986	72	17.1	12.1	14.6	+0.4	23.5	20	7.5	27	130	14	+89	55	25	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1951-1980. 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 rainy day 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 IN MARCH 1986

*General*—March was a sunny month, especially over the North Island.

Southerlies prevailed over the north of the North Island, with less strong winds than usual. The frequency of south-easterlies was the second highest since records began in 1956. West to north-westerlies prevailed over the south of the South Island, and strong winds were also not as frequent as usual.

Mean sea level pressures were 1hPa above average in the north of the North Island, and up to 3hPa above average in the South Island.

Pasture growth and stock condition were generally very good. Some farmers in South Canterbury and parts of North Otago found harvesting of crops difficult due to paddocks being too wet.

On the 12th and 13th, an almost stationary depression had developed in the Tasman Sea, and a convergent easterly air stream existed over the Canterbury region. Rainfall was heaviest in parts of South Canterbury where serious flooding resulted. A total of 114 mm was recorded at Timaru Airport in the 24 hours to 9 a.m. on the 13th.

Many roads were scoured and the main trunk railway line was undermined in many places. Approximately 50 bridges were partly washed away by flooded rivers or seriously damaged. Drainage systems failed to cope with the 100 to 150 mm of rainfall over the 24 hours in some places. The worst affected township was Pleasant Point. 1200 people were evacuated, and a state of emergency declared, as the Tengawai River burst its banks and water up to 1.5 m deep flooded the town. 150 people were also evacuated from the township of Seadown; all lifted out by helicopter. There were major stock losses. The total cost of the damage due to the floods has been estimated to be \$39 million.

A thunderstorm on the evening of the 12th affected the whole of the Dannevirke Electric Power Board region from Norsewood to Woodville. During the afternoon and evening of the 13th, thunderstorms accompanied by heavy rain resulted in surface flooding in shops and streets in Masterton. 122 mm was recorded in the 24 hours to 9 a.m. on the 14th at Waingawa, which is the highest on record for March.

Fog occurred at Hamilton, Rotorua, Napier, Taupo, Wanganui, Wellington and Christchurch Airports on the 15th, causing their closure during the morning.

*Rainfall*—Rainfall was below average throughout the North Island, apart from the Wairarapa and Wellington. Only 16 mm (12 percent of normal) was recorded at Whangarei, and 12 mm (18 percent of normal) at Taupo Airport. 188 mm (247 percent of normal) was recorded at Waingawa.

In the South Island it was drier than average in Nelson and on the West Coast, north of Hokitika, with rainfall between 50 to 70 percent of average. On the East Coast, from Cape Campbell to Dunedin, monthly totals were much higher than average. The total of 187 mm (328 percent of normal) for Timaru Airport was the highest on record. Records began there in 1956.

The whole of the Canterbury region received over 200 percent of average, due mainly to the heavy rainfall on the 12th and 13th.

*Temperatures*—The only region to record well above average temperatures in the North Island was in the Wairarapa. The mean daily temperature at Waingawa was 2.0°C above normal. The mean daily maximum was 1°C below normal, while the mean daily minimum was almost 4.5°C above normal. This was the highest since records began in 1906 and was due to many cloudy nights.

Over the remainder of the North Island mean temperatures were between 0.5°C below to near normal for March.

Over the South Island temperatures were about 1°C below average in Marlborough and 1°C above average in Central Otago. Elsewhere mean daily temperatures were near normal.

*Sunshine*—March was a particularly sunny month over most of New Zealand. Record high monthly hours of sunshine were recorded in many western North Island regions from Taranaki to Auckland, where sunshine hours ranged between 120 to 140 percent of average.

Sunshine hours were slightly below average in Otago and Southland.

Some of the greatest departures from normal this month were:

Station	Start of Record	Amount of Sunshine	Departure from Normal	Rank	
Auckland City	1962	246	+66	Highest	on record
Auckland Airport	1969	259	+77	Highest	on record
New Plymouth Airport	1972	262	+68	Highest	on record
Stratford	1963	241	+68	Highest	on record
Levin	1956	218	+52	3rd highest	on record
Paraparaumu Airport	1953	245	+61	2nd highest	equal on record
Nelson	1935	248	+48		

THESE MAPS ARE MEAN SEA LEVEL ANALYSES  
FOR 0000 HOURS. THEY WERE PREPARED BY  
NEW ZEALAND METEOROLOGICAL SERVICE  
MINISTRY OF TRANSPORT  
P. O. BOX 722  
WELLINGTON











