



LAND & DEEDS OFFICE
23 MAY 1985
GISBORNE

SUPPLEMENT
TO THE
NEW ZEALAND GAZETTE
OF
THURSDAY, 9 MAY 1985

Published by Authority

WELLINGTON: FRIDAY, 10 MAY 1985

CLIMATOLOGICAL TABLE
FOR MARCH 1985

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for March 1985

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	mm	mm	mm	mm	Hrs			
Cape Reinga	191	22.2	15.6	18.9	+0.2	26.2	3	12.7	14	62	13	-16	21	15	..
Kaitaia Airport	80	23.2	14.5	18.9	-0.1	25.9	3	9.9	23	68	9	-13	24	25	220
Aupouri Forest	69	22.7	14.5	18.6	-0.7	25.3	3	9.9	15	68	7	+3	37	25	..
Kaitaia	8	24.2	13.8	19.0	..	27.0	3	8.1	23	56	6	..	19	25	..
Kerikeri M A F	79	22.8	13.9	18.4	..	25.7	2	9.5	9	150	19	..	57	25	..
Kerikeri Downs	74	22.2	14.2	18.2	..	25.5	1	9.5	22	140	19	..	52	25	..
Kerikeri Downs 2	74	22.4	13.7	18.1	..	25.3	2	8.8	23	149	17	..	57	25	..
Kerikeri Aerodrome	150	22.6	13.7	18.2	..	26.4	1	9.6	22	143	14	..	57	26	..
Umawera	9	24.1	12.3	18.2	-0.3	28.0	3	6.5	10	115	7	+24	60	25	..
Panguru	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaikohe	204	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	22.1	12.8	17.5	-0.1	25.5	3	8.1	23	138	15	+30	37	13	..
Dargaville	20	22.2	13.0	17.6	-0.6	26.9	5	7.6	22	138	9	+55	44	26	176
Waitangi Forest	55	22.8	14.4	18.6	-0.4	26.0	2	9.4	23	137	10	+26	48	26	171
Glenbervie Forest	107	22.1	12.3	17.2	+0.2	25.5	1	5.9	22	255	14	+78	85	26	..
Whangarei Airport	37	22.5	14.6	18.6	-0.2	25.0	1	11.0	9	244	18	+107	71	26	..
Whangarei	29	22.9	13.7	18.3	-0.3	27.0	12	8.5	21	191	13	..	55	25	163*
Marsden Power Stn	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pouo	97	21.5	14.4	18.0	..	25.7	3	6.6	9	133	10	..	65	15	..
Leigh	27	21.8	16.2	19.0	+0.1	23.6	19	12.6	9	151	13	+57	50	26	160
Warkworth	72	22.0	12.9	17.5	-0.4	24.6	3	7.8	29	167	12	+34	69	26	..
Oyster Point	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Woodhill Forest	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Riverhead Forest	28	22.6	12.4	17.5	+0.0	25.3	3	7.0	29	79	10	-22	32	26	..
Kumeu	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whenuapai	26	22.6	12.8	17.7	-0.3	25.2	3	7.4	10	93	15	+0	34	26	..
Albert Park Auckland	49	22.6	15.4	19.0	-0.3	25.7	3	12.5	15	103	11	+12	36	26	196*
Owairaka, Auckland	41	22.3	..	..	..	25.1	16	..	..	93	11	+0	43	26	..
Port Fitzroy	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Little Barrier Is	2	22.2	15.5	18.9	..	24.7	7	12.2	15	127	14	-7	44	15	..
Rotorua Is	30	21.5	15.7	18.6	..	24.5	7	10.1	27	102	9	..	35	14	..
Awaroa Valley	30	22.6	14.3	18.5	..	25.3	7	8.7	11	130	12	..	46	15	..
Manukau Heads	244	20.9	14.5	17.7	..	24.6	6	10.8	14	72	11	-5	22	14	..
Coromandel	43	22.5	14.1	18.3	..	25.6	5	8.2	10	293	15	..	137	26	..
Whangapoua Forest	4	22.9	..	..	..	26.3	7	..	..	271	14	+123	129	26	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	22.0	13.5	17.8	-0.1	24.2	5	8.3	22	210	10	+42	115	26	..
Ngatea	1	23.6	11.7	17.7	..	28.0	7	5.0	10	114	12	..	46	26	..
Paeroa	4	23.5	12.7	18.1	+0.2	26.5	7	7.1	9	135	11	+31	42	26	..
Waihi	91	22.1	12.6	17.4	+0.2	25.4	5	6.4	10	193	15	+1	99	26	181
Te Aroha	18	23.4	13.0	18.2	-0.2	26.9	7	7.9	10	187	11	+64	67	14	..
Katikati	2	23.4	12.6	18.0	..	26.7	17	6.6	21	170	12	..	57	14	..
Waharoa	60	23.1	11.6	17.4	..	26.3	7	4.4	9	91	10	..	37	14	..
Tauranga	2	22.2	14.4	18.3	+0.1	25.2	17	8.8	21	147	12	+17	42	14	..
Tauranga Airport	4	22.1	13.3	17.7	-0.1	24.4	17	6.7	21	139	10	+6	44	14	200
Te Puke	91	21.6	11.9	16.8	-0.7	24.5	17	4.1	21	201	14	-30	72	1	166
Rotoehu Forest	72	21.3	10.7	16.0	-0.7	24.6	17	2.2	21	163	11	+13	74	1	..
Whakatane Airport	6	21.8	11.5	16.7	-0.6	24.9	15	3.4	21	107	11	-17	36	1	174
Te Kaha	6	22.6	14.3	18.5	..	25.0	15	8.0	21	75	9	..	33	13	..
Port Ohope	9	22.0	14.4	18.2	-0.1	24.7	17	7.7	21	130	15	..	47	1	183
Kinleith	383	20.3	10.9	15.6	-0.2	23.6	17	4.1	22	133	7	+39	65	2	..
Tikitere	338	20.0	11.8	15.9	-0.3	24.0	17	5.8	25	111	13	..	32	1	..
Kawerau	30	22.8	11.8	17.3	-0.8	28.0	14	5.5	7	99	13	-61	31	2	..
Te Teko	8	23.5	11.6	17.6	-0.3	27.7	17	4.9	25	176	15	+31	84	1	173
Rotorua Airport	287	20.5	11.2	15.9	-0.4	24.5	7	4.4	22	77	13	-48	25	13	184
Waiotapu Forest	435	19.4	9.2	14.3	-0.9	23.1	7	1.5	21	104	10	-14	40	14	..
Atiamuri Power Stn	253	21.9	10.1	16.0	+0.0	25.2	17	1.3	21	112	8	+16	46	2	..
Kaingaroa Forest	544	19.0	9.4	14.2	-0.6	22.9	7	0.8	22	97	9	-26	25	14	..
Murupara	198	21.4	..	..	..	25.8	7	..	..	86	8	-11	44	2	..
Wairapukao Forest	437	19.5	8.5	14.0	-0.5	23.6	7	-1.2	25	58	12	-49	14	1	..
Taupo	376	20.2	9.9	15.1	-0.7	24.2	6	0.4	21	54	10	-26	22	13	161
Wairakei Power Stn	342	20.7	9.7	15.2	-0.7	25.0	17	0.8	21	61	7	-31	19	13	..
Wairakei Research Stn	402	21.4	8.7	15.1	-0.2	26.3	17	-1.0	21	67	6	-25	19	14	..
Minginui Forest	366	20.1	8.9	14.5	-0.5	24.3	19	-5.0	22	73	11	-23	23	2	..
Taupo Airport	407	19.9	8.9	14.4	-1.0	23.6	17	-0.1	21	52	8	-16	18	13	..
Waimihia Forest	743	16.9	8.1	12.5	-0.5	23.0	6	1.1	21	111	7	-2	36	14	..
Opotiki	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waimana	37	21.9	11.7	16.8	-0.5	26.2	17	3.4	21	112	13	-41	33	1	..
Mangere Auckland	4	22.3	14.2	18.3	-0.2	25.2	6	10.0	11	81	11	-8	32	26	197
Otara Auckland	12	22.5	12.9	17.7	-0.4	25.4	17	7.7	11	88	11	+1	43	26	..
Auckland Airport	8	21.9	14.4	18.2	-0.4	25.2	6	11.1	11	96	9	+16	35	26	202
Ardmore	30	22.5	12.2	17.4	-0.5	26.0	6	7.5	10	107	12	+15	40	26	..
Pukekohe	82	22.0	13.0	17.5	-0.2	25.2	6	9.3	11	72	13	..	20	13	176
Maioro Forest	52	22.2	13.4	17.8	-0.2	26.2	18	9.5	10	54	7	-37	22	14	..

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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		
Hunua	122	22.0	11.7	16.9	..	25.3	7	6.3	11	87	12	..	41	26	..
Maramarua Forest	38	22.7	11.6	17.2	+0.1	26.1	6	5.8	10	97	9	+3	28	26	..
Te Kauwhata	32	22.6	12.3	17.5	-0.4	25.5	6	8.0	10	103	18	+19	28	14	186
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taupiri	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura Hamilton	40	22.7	11.9	17.3	+0.2	26.3	17	4.0	22	83	11	-1	45	14	194
Whatawhata	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hamilton Airport	50	23.1	11.0	17.1	+0.3	27.0	17	1.8	22	62	10	-19	36	14	..
Cambridge	76	22.9	11.5	17.2	+0.2	26.7	17	3.2	22	88	11	+20	47	14	..
Mohakatino Stn Mokau	46	21.4	12.7	17.1	-0.4	25.0	27	8.0	21	31	6	-75	18	13	..
Arapuni Power Stn	123	22.8	11.5	17.2	-0.1	26.6	17	4.5	22	55	8	-40	26	14	..
Waikeria	46	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Kuiti	61	23.0	11.0	17.0	-0.1	27.9	2	4.0	22	86	14	-10	33	13	187
Wairere	122	22.2	10.3	16.3	..	27.0	2	2.0	21	53	10	-45	22	13	..
Pureora Forest	549	19.5	8.7	14.1	+0.0	24.2	17	1.2	21	77	13	-43	38	14	..
Mangakahu Valley	397	20.5	9.9	15.2	..	24.7	17	4.9	21	65	12	..	28	1	..
Taumarunui	171	22.8	9.2	16.0	-0.8	28.0	2	2.5	25	59	8	-23	26	13	155
Tokirima	152	22.6	8.0	15.3	..	28.3	2	-0.5	21	45	7	..	29	13	..
Omata	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth Airport	27	20.9	12.7	16.8	+0.0	24.4	18	5.9	21	13	8	-84	5	13	225
North Egmont	955	15.8	8.2	12.0	..	21.0	17	4.4	31	417	17	..	152	4	..
Te Wera Forest	180	20.8	8.9	14.9	-0.4	24.8	16	-0.1	21	48	8	-70	21	13	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chateau, Mt Ruapehu	1097	16.0	5.4	10.7	..	21.0	4	-1.7	25	88	..	..	..	..	..
Hukanui	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	19.5	9.3	14.4	+0.1	28.4	3	-0.8	25	77	12	-66	38	13	..
Waingawa Masterton	114	21.3	10.3	15.8	-0.1	..	..	2.0	25	54	13	-22	17	13	158
Kopua	311	18.8	9.8	14.3	-0.8	26.6	5	2.4	21	103	15	+3	29	13	..
Waipukurau	137	20.4	10.2	15.3	-0.7	29.1	5	3.4	25	92	10	+16	37	13	142*
Dannevirke	207	19.9	9.7	14.8	-1.0	29.0	5	1.6	25	64	13	-24	24	13	162
Porangahau	8	20.4	12.0	16.2	..	25.9	6	4.0	25	82	13	..	27	13	..
Castlepoint	3	19.1	13.8	16.5	-0.6	26.4	6	9.6	25	90	13	+9	29	13	..
Ngaumu Forest	244	20.1	9.4	14.8	+0.0	29.0	3	0.2	26	73	11	-19	34	13	..
Tauherenikau, Alloa	43	21.4	10.7	16.1	+0.0	29.2	3	2.1	25	55	6	-28	19	13	..
Waiorongomai	21	19.8	10.7	15.3	-0.4	27.0	3	2.0	25	80	10	-34	33	13	..
Cape Palliser	10	19.9	13.1	16.5	-0.4	26.4	4	5.5	25	39	14	-54	14	7	..
East Cape	17	20.7	15.3	18.0	-0.3	23.1	2	10.6	22	329	17	+219	128	27	..
Ruatoria	61	21.4	13.4	17.4	-0.2	25.5	22	6.3	22	365	13	+195	116	16	..
Mangatu Forest	182	..	11.5	..	..	..	..	6.5	22	286	18	+174	87	14	..
Manutuke Gisborne	9	21.5	12.4	17.0	-0.1	28.0	6	5.6	22	145	14	+55	36	27	..
Gisborne Airport	4	21.3	12.7	17.0	-0.2	27.4	7	5.4	22	115	16	+23	33	26	149
Onepoto, Waikaremoana	643	17.7	10.1	13.9	-1.0	25.0	7	4.5	21	484	18	+311	92	26	..
Wharerata Forest	439	..	11.2	..	..	..	..	6.1	25	439	19	..	86	14	..
Esk Forest	427	18.6	10.9	14.8	-0.4	24.8	7	2.6	21	479	15	+323	252	14	..
Ngamatea	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	18.8	10.8	14.8	-1.0	27.5	5	5.3	21	348	14	+210	161	14	..
Napier Airport	2	21.2	13.0	17.1	+0.2	30.0	6	6.8	22	138	9	+54	59	14	..
Napier	2	21.9	13.1	17.5	-0.1	29.5	6	6.4	22	125	9	+44	55	14	179
Hastings	16	21.5	11.8	16.7	..	29.3	6	4.6	21	117	10	..	46	13	..
Whakatu	6	20.9	11.9	16.4	..	26.9	6	4.2	25	123	8	..	60	14	..
Gwavas Forest	335	..	9.2	..	..	..	..	1.8	21	272	15	+149	127	14	..
Makaretu	335	19.7	9.2	14.5	-0.8	28.2	5	2.0	25	93	21	-24	31	13	..
Mohaka Forest	286	19.7	11.7	15.7	-0.4	26.9	7	4.9	21	358	14	+232	129	14	..
Frasertown, Wairoa	8	21.2	12.6	16.9	-0.5	28.2	6	6.4	22	250	21	+129	92	14	..
Wairoa	20	21.3	..	..	..	29.1	5	..	..	187	18	+84	59	14	156
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	20.0	10.6	15.3	-0.9	25.2	3	2.8	21	29	8	-47	17	13	226
Flockhouse Bulls	9	20.6	10.0	15.3	-1.2	26.6	5	1.6	21	29	9	-33	14	13	..
Ohakea	48	21.1	11.2	16.2	-0.7	27.4	4	4.1	25	25	11	-40	12	13	198
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	21.1	9.8	15.5	-0.9	27.0	4	0.7	21	38	8	-27	29	13	..
Palmerston N Airport	45	21.6	10.5	16.1	-0.3	29.0	3	1.4	21	25	8	-42	16	13	..
Palmerston N D S I R	34	21.0	11.6	16.3	-0.5	27.7	4	3.3	21	39	9	-33	27	13	192
Tiritea	100	20.4	11.4	15.9	..	26.5	3	3.5	21	54	10	..	36	13	..
Waitarere Forest	3	20.2	9.6	14.9	-1.4	25.3	1	-0.8	21	16	5	-48	8	13	..
Levin	46	20.1	10.9	15.5	-0.9	25.5	3	3.9	21	45	9	-32	20	13	212
Titahi Bay	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Avalon, Lower Hutt	15	20.3	11.4	15.9	-0.4	26.0	3	4.6	25	64	12	-45	26	13	..
Highland Pk Wgtn	120	..	..	..	..	..	..	..	..	74	12	..	30	13	..
Kelburn, Wellington	125	18.5	12.2	15.4	-0.4	26.0	3	5.8	25	69	13	-27	29	13	211
Somes Is	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gracefield Lower Hutt	34	19.5	11.6	15.6	-0.7	25.8	3	4.8	25	61	11	-34	35	13	..
Wainuiomata	82	19.3	10.4	14.9	-0.7	25.1	3	2.0	25	95	13	-25	50	13	..

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		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
Wellington Airport	6	19.6	13.0	16.3	-0.2	26.4	3	8.0	25	49	11	-33	31	13	..
Rimutaka Forest	37	19.7	10.6	15.2	..	26.2	3	1.5	25	84	13	..	39	13	..
Kaitoke	223	18.8	9.0	13.9	-0.6	25.4	3	-0.6	26	73	12	-78	24	13	160
Wallaceville	56	20.2	9.9	15.1	-0.4	26.6	3	0.0	25	41	13	-51	16	13	198
Cape Egmont	8	20.2	12.1	16.2	-0.9	23.6	3	5.6	15	78	9	-18	41	4	..
Stratford Mtn House	846	15.1	6.9	11.0	-0.9	20.2	2	1.0	21	149	11	-224	47	13	..
Stratford Dem Farm	311	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kapuni	173	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manaiia Dem Farm	98	19.2	10.8	15.0	-1.0	25.2	1	2.6	21	32	8	-54	17	13	218
Normanby	122	19.4	10.3	14.9	-0.7	24.3	3	0.9	21	12	13	..	8	13	..
Patea	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pipiriki	80	22.7	10.6	16.7	..	28.1	12	3.7	21	41	8	..	29	13	..
Ohakune Junction	629	18.9	7.9	13.4	-0.2	23.5	3	0.0	29	47	8	-53	20	13	..
Karioi	648	18.7	6.7	12.7	-1.2	25.0	3	0.0	21	52	9	-24	23	13	..
Waiouru	823	17.4	6.7	12.1	-0.5	22.7	17	-2.0	21	50	11	-28	15	13	..
Waiouru Military Camp	823	16.8	6.1	11.5	-0.8	22.1	5	-2.2	21	56	9	-20	17	13	..
Ahu Ahu Valley	85	21.9	9.6	15.8	..	28.5	3	1.7	21	52	7	..	35	13	..
Taihape	433	21.2	7.4	14.3	-0.6	27.9	3	-2.8	21	49	9	-23	20	13	..
Kahui, Taihape	518	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanganui	22	20.4	12.1	16.3	-0.9	27.6	5	4.9	21	30	9	-33	19	13	201
Wanganui Airport	9	20.4	11.4	15.9	..	27.8	5	2.5	28	29	8	-35	20	13	..
Totaranui	10	20.6	11.8	16.2	..	24.0	1	6.1	31	80	7	-61	42	4	..
Westport Airport	2	19.7	11.4	15.6	+0.1	21.8	3	6.9	9	52	7	-110	24	13	216
Cobb Dam	823	18.1	6.3	12.2	+0.3	25.6	17	2.2	9	21	7	-157	12	13	..
Arapito	20	20.8	10.7	15.8	..	24.7	5	4.4	14	77	9	..	30	13	192
Lake Rotorua	443	20.6	7.4	14.0	..	25.0	17	1.0	15	39	11	..	15	13	..
Lake Rototiti	634	19.6	6.3	13.0	+0.2	25.0	17	-1.2	31	39	11	-74	15	1	..
Hokitika Airport	39	19.1	10.1	14.6	-0.3	22.6	3	4.4	31	86	9	-131	30	13	226
Punakaiki	4	20.3	13.2	16.8	..	22.2	3	9.3	31	59	12	..	20	13	..
Reefton	198	21.5	8.4	15.0	+0.0	26.6	2	3.0	15	34	7	-97	17	13	..
Barrytown	30	19.7	12.4	16.1	..	21.8	4	7.2	14	66	9	-119	24	13	..
Totara Flat	77	21.7	7.6	14.7	-0.2	26.0	2	1.7	21	35	9	-101	18	13	..
Greymouth	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Otira Substation	383	19.6	8.6	14.1	+0.6	25.2	2	2.2	31	69	8	-272	18	13	..
Springs Junction	421	20.2	6.9	13.6	+0.3	25.1	26	-0.5	21	58	9	-89	25	6	..
Pukekura	86	20.1	7.6	13.9	..	23.3	26	1.0	31	101	10	..	23	4	..
Hari Hari	45	20.7	8.0	14.4	-0.2	25.8	12	0.1	31	96	8	-262	21	5	..
Okarito	10	..	..	..	..	..	..	..	..	79	8	..	34	4	..
Franz Josef	155	19.4	9.6	14.5	..	23.2	3	4.6	31	135	9	..	29	4	146
Fox Glacier	152	19.5	9.6	14.6	+0.6	23.1	18	3.4	31	85	9	-352	20	6	..
Milford Sound	3	19.2	8.5	13.9	+0.1	24.1	3	3.1	31	311	8	-354	96	5	..
Puysegur Point	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stephens Is	187	17.8	12.4	15.1	-0.2	21.4	7	7.5	25	60	8	+2	27	13	..
Riwaka Motueka	8	21.3	9.9	15.6	-0.3	25.9	6	5.3	31	41	7	-67	21	4	243
Tapawera	146	22.3	8.0	15.2	..	25.8	16	2.5	9	34	3	..	21	13	..
Craih Bay Pelorus Sd	13	19.8	12.7	16.3	..	24.7	7	8.2	25	103	..	..	..	..	..
Appleby	17	20.8	11.3	16.1	-0.2	24.5	6	6.8	15	50	9	-32	29	4	..
Nelson Airport	2	20.6	10.9	15.8	-0.2	24.2	6	6.0	31	57	7	-29	33	4	248
Rai Valley	79	20.6	9.4	15.0	-0.4	24.5	3	3.3	9	78	8	-68	44	4	..
Moutere Hills	110	20.8	12.4	16.6	+0.0	24.6	16	7.7	9	30	7	-58	9	13	..
Wairau Valley	162	21.2	8.9	15.1	..	26.2	5	2.0	21	48	5	..	22	13	..
Blenheim Airport	27	21.3	9.9	15.6	-0.4	27.9	30	3.6	21	44	6	-14	23	13	..
Brancoft Valley	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim	4	21.7	10.2	16.0	-0.4	28.0	30	3.6	21	44	6	-9	21	13	221
Wither Hills Blenheim	32	21.5	10.5	16.0	-0.5	28.0	30	3.5	21	40	6	-14	23	13	..
Waihoppai Power Stn	262	20.8	9.3	15.1	-0.4	26.5	5	3.0	21	41	5	-27	22	13	..
Duntroon	350	21.1	8.3	14.7	..	28.5	30	2.2	21	33	..	-34	13	7	..
Lake Grassmere	2	19.8	12.2	16.0	+0.0	27.5	30	5.4	21	33	6	-21	10	7	205
Cape Campbell	3	18.6	13.0	15.8	+0.2	22.7	22	8.9	21	43	15	-18	12	7	..
Boyle River Lodge	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hanmer Forest	387	20.7	7.4	14.1	+0.1	29.0	5	-1.0	21	78	10	-11	40	13	192
Molesworth	893	19.4	4.7	12.1	+0.0	26.0	17	-2.2	21	33	5	-14	23	13	..
Kaikoura Flats	24	18.9	9.1	14.0	..	29.5	6	3.0	21	97	15	..	26	13	..
Kaikoura	108	18.2	11.9	15.1	+0.1	30.0	6	7.2	14	80	8	-16	22	13	194
Arthurs Pass	738	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Culverden	174	21.3	8.1	14.7	..	29.4	4	0.5	21	33	7	..	12	13	..
Balmoral Forest	198	21.7	8.5	15.1	+0.3	29.6	4	-0.5	21	27	7	-21	16	13	..
Waiau	137	22.0	8.3	15.2	..	31.2	5	0.4	21	78	8	..	28	17	..
Cheviot	85	20.4	8.5	14.5	..	31.4	6	1.1	21	71	7	..	23	13	192
The Hermitage Mt Cook	765	19.1	6.5	12.8	+0.2	24.2	16	-0.2	31	101	19	-290	27	5	195
Mt John	1027	17.4	6.7	12.1	+0.4	23.2	25	0.5	31	10	2	-35	6	13	..
Craigieburn Forest	914	18.9	5.6	12.3	+0.5	24.8	1	-0.8	31	34	9	-57	22	13	..
Lake Coleridge	364	20.6	7.9	14.3	+0.3	27.4	3	0.9	21	26	5	-29	18	13	..
Highbank Power Stn	336	18.4	9.2	13.8	-0.3	26.4	6	3.4	31	51	7	-37	21	13	188
Hororata Substation	192	20.2	7.2	13.7	-0.6	30.4	6	0.9	21	48	14	-27	20	13	185

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for March 1985—continued

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	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		
Winchmore	160	19.3	8.6	14.0	-0.1	29.6	6	2.0	31	37	5	-33	15	7	..
Peel Forest	274	19.2	6.8	13.0	-0.3	29.8	5	-0.5	31	48	15	-33	14	19	..
Ashburton	101	20.4	8.7	14.6	-0.6	31.3	5	2.0	31	24	4	-48	11	7	161
Waipara	64	21.0	9.9	15.5	+0.1	31.0	4	1.8	21	25	7	-28	9	13	..
Ashley Forest	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangiora	46	20.2	8.2	14.2	-0.5	31.2	5	3.6	28	33	10	-30	15	13	..
Darfield	195	21.2	8.4	14.8	-0.1	31.8	6	2.9	21	46	6	-27	24	13	..
Eyrewell Forest	158	19.7	7.4	13.6	-0.8	30.2	5	2.0	25	52	7	-17	30	13	..
Christchurch Airport	30	19.5	9.2	14.4	-0.6	31.5	6	2.6	21	45	8	-16	26	13	204
Templeton	46	19.6	9.5	14.6	-0.3	30.5	5	2.0	21	56	11	..	28	13	..
Christchurch	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bromley Christchurch	9	19.5	11.9	15.7	+0.2	31.1	6	..	..	15	6	-36	7	13	..
Mt Pleasant	137	19.0	12.1	15.6	+0.2	29.5	6	7.8	21	16	5	-31	8	13	..
Lincoln	11	19.6	9.6	14.6	-0.3	32.0	6	2.0	21	41	6	-22	17	13	191
Quail Island	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa	3	20.9	10.2	15.6	-0.2	30.5	5	4.0	15	67	6	..	40	13	..
Lake Tekapo	683	19.3	5.9	12.6	-0.7	27.5	3	-1.0	31	12	2	-35	9	13	..
Lake Pukaki	556	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fairlie	304	20.2	4.9	12.6	..	29.6	5	-1.7	21	21	5	..	12	13	..
Twizel	457	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ikawai	70	19.2	7.7	13.5	-0.1	26.5	6	0.5	21	10	3	-48	5	12	..
Geraldine	119	20.0	7.9	14.0	-0.5	29.5	5	0.0	31	18	4	-84	8	19	..
Orari Estate	81	19.5	7.7	13.6	-0.5	29.9	5	0.3	31	19	7	-56	6	7	..
Temuka	24	19.3	7.9	13.6	-0.7	29.5	4	1.0	31	19	6	-47	6	12	..
Timaru Airport	26	19.1	7.8	13.5	-0.5	29.2	6	1.5	31	24	7	-33	6	13	..
Adair	85	18.7	9.7	14.2	+0.0	28.9	6	4.5	25	23	9	-37	6	7	..
Timaru	17	18.8	9.2	14.0	-0.7	28.0	6	1.9	31	26	9	-35	8	1	195
Timaru 2	17	18.5	9.2	13.9	..	28.0	6	3.2	31	26	9	..	8	1	..
Waimate	61	19.0	9.1	14.1	-0.5	29.0	6	3.2	21	13	6	-50	7	12	..
Aviemore	241	20.5	8.4	14.5	..	29.4	5	1.2	21	6	2	-37	5	12	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru Airport	30	18.1	9.1	13.6	-0.1	27.0	6	4.2	21	12	5	-41	7	30	185
Knobs Flat	360	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tara Hills Omarama	488	20.7	5.5	13.1	-0.4	26.3	3	-1.3	21	18	3	-29	15	12	246
Lake Hawea	350	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanaka	296	21.0	7.1	14.1	-0.3	25.5	3	0.3	21	21	4	-39	10	12	..
Queensberry	277	20.6	7.9	14.3	..	25.2	16	1.0	21	20	6	..	8	12	..
Bendigo	200	21.5	7.1	14.3	..	26.0	5	0.2	21	11	5	..	7	12	..
Naseby	607	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurly	427	19.9	4.8	12.4	-0.1	29.8	5	-3.2	21	7	3	-40	5	12	185
Herbert Forest	61	19.5	7.3	13.4	+0.0	27.4	6	2.0	22	12	5	-49	8	12	..
Palmerston	21	19.4	7.4	13.4	+0.4	27.0	6	0.4	21	9	6	-57	3	29	194
Cherry Farm Hospital	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invermay, Taieri	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Berwick Forest	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Airport	1	18.9	5.9	12.4	-0.8	27.4	5	-2.3	21	29	12	-33	8	29	158
Musselburgh Dunedin	2	17.3	10.3	13.8	-0.2	26.7	6	6.3	21	29	11	-47	9	29	155
Te Anau	215	..	..	..	..	..	..	..	..	..	..	..	..	..	..
West Arm, Manapouri	232	16.8	8.8	12.8	+0.6	22.5	16	4.0	31	154	10	-211	38	5	..
Borland Burn	183	18.9	4.5	11.7	-0.7	25.7	3	-2.3	21	55	..	-48	18	6	..
Queenstown	329	20.0	8.3	14.2	-0.1	27.1	5	2.4	31	27	4	-46	12	12	218
Queenstown Airport	349	18.2	6.3	12.3	-0.8	24.3	5	0.3	21	25	5	-38	10	12	..
Gibbston	366	20.1	..	..	..	26.2	5	..	..	21	4	..	11	12	..
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell Sub Stn	213	21.2	7.8	14.5	..	26.5	3	0.2	21	9	3	-36	5	12	..
Cromwell	213	21.7	7.4	14.6	-0.4	28.4	2	0.2	21	10	6	-32	5	12	..
Northburn	210	21.4	7.9	14.7	..	26.4	16	1.3	21	5	5	..	3	12	..
Cromwell 2	213	21.2	7.4	14.3	..	26.6	3	0.4	21	10	6	..	5	12	225
Lauder	370	20.0	6.0	13.0	..	26.8	5	-1.0	21	12	5	..	8	12	..
Clyde Dam	160	20.9	8.2	14.6	..	27.2	5	2.1	21	15	7	..	9	12	..
Ophir	305	..	5.3	..	..	..	..	-3.0	21	18	2	-29	10	12	..
Clyde(Dsir)	171	21.0	7.7	14.4	..	27.6	5	0.4	21	12	6	..	8	12	..
Alexandra	141	21.7	..	..	..	29.0	5	..	..	11	5	..	7	12	222
Roxburgh Power Stn	110	20.5	6.9	13.7	-0.7	28.4	5	0.0	21	22	7	-27	13	12	..
Etrick	83	20.4	6.7	13.6	..	29.0	3	-0.5	21	30	7	..	13	12	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	19.5	7.2	13.4	..	28.5	5	0.2	21	59	11	-21	20	30	..
Mahinerangi Dam	396	16.3	6.7	11.5	-0.3	25.7	5	0.6	21	69	12	-9	16	30	..
Tapanui	226	17.2	6.7	12.0	-1.2	26.9	5	0.8	21	49	13	-34	14	29	..
Taieri Mouth	15	16.5	8.0	12.3	-0.6	24.2	6	3.0	9	31	9	-32	8	29	..
Tuatapere	27	17.8	8.0	12.9	..	25.4	3	1.3	21	59	17	..	13	12	..
Otautau	55	17.6	7.2	12.4	-0.4	25.6	3	0.0	21	66	13	-29	18	29	137

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for March 1985—continued

Station	Height of Station Above M.S.L.	Air Temperature 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.			Maximum	Date	Minimum	Date				Amount		Date
	Metres	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs			
Winton	44	17.7	7.2	12.5	-0.6	26.0	5	1.0	21	44	11	-34	14	29	142
Gore	123	17.3	7.5	12.4	-0.5	27.1	5	-0.4	21	43	15	-45	11	29	157
Hokonui Forest	46	17.6	6.9	12.3	-1.0	26.0	5	0.4	21	46	9	-49	17	29	..
Woodlands	47	17.5	7.2	12.4	-0.4	26.2	5	0.0	21	76	25	-35	26	29	..
Invercargill Airport	0	17.0	7.7	12.4	-0.1	25.6	5	0.4	25	45	19	-44	13	29	151
Tiwai Point, Bluff	5	16.7	9.7	13.2	-0.2	26.1	5	3.9	21	50	15	-43	21	29	..
Stewart Is	3	15.8	8.1	12.0	-0.2	20.2	5	2.3	21	69	24	-12	18	6	..
Milton	18	18.6	6.7	12.7	-0.5	27.8	4	-0.7	21	35	10	-27	16	29	..
Clinton School	120	18.1	7.3	12.7	..	24.7	3	1.5	9	38	11	..	13	29	..
Finegand Balclutha	6	18.4	8.1	13.3	-0.1	26.5	4	1.5	9	34	6	-19	21	29	144
Owaka	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nugget Point	129	15.9	9.2	12.6	+0.0	21.5	29	4.9	31	47	17	-23	14	29	..
Tautuku	40	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nadi Airport Fiji	19	30.6	23.1	26.9	+0.1	33.4	24	21.5	22	572	25	+217	122	16	140
Rarotonga Airport	7	29.9	24.0	27.0	+1.1	32.0	18	21.3	16	91	18	-164	27	31	226
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	24.0	19.7	21.9	-0.2	25.5	20	16.1	10	191	16	+48	91	7	..
Campbell Is	15	11.0	6.8	8.9	+0.3	15.5	5	2.5	31	108	27	-20	19	12	51
Waitangi, Chatham Is	44	17.9	11.8	14.9	+0.7	21.7	6	5.1	21	46	14	-29	8	20	112
Scott Base Antarctica	16	-13.5	-23.8	-18.8	+1.6	-4.0	15	-37.6	27	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Umawera 02/1985	9	24.9	12.1	18.5	-1.0	29.0	10	7.0	13	132	10	+2	60	15	..
Little Barrier Is 02/1985	2	..	..	..	..	..	..	..	..	145	8	+41	124	16	..
Te Aroha 02/1985	18	24.7	14.4	19.6	-0.4	29.5	9	10.6	20	245	11	+138	213	16	..
Port Ohope 10/1984	9	18.3	8.8	13.6	-0.3	22.6	14	3.5	2	11	8	..	6	18	256
Port Ohope 01/1985	9	24.1	15.8	20.0	+0.8	27.6	17	13.3	14	92	14	..	24	21	251
Port Ohope 02/1985	9	23.4	15.3	19.4	-0.1	27.3	9	11.5	21	58	8	..	19	21	223
Wairakei Research Stn 02/1985	402	23.8	9.3	16.6	-0.3	29.2	9	1.4	13	78	7	-8	43	17	..
Huntly 12/1984	34	24.6	14.6	19.6	..	28.4	31	10.6	19	150	..	..	51	13	..
Huntly 01/1985	34	25.2	15.1	20.2	..	29.2	17	12.0	7	82	..	..	..	..	..
Huntly 02/1985	34	24.6	14.4	19.5	..	27.6	10	11.9	4	120	..	..	..	..	..
Whatawhata 01/1985	104	23.7	13.2	18.5	+0.7	28.8	17	9.6	10	97	12	+3	18	21	211
Mohakaitino Stn Mokau 01/1985	46	22.4	15.7	19.1	+1.3	24.7	17	11.6	17	178	16	+79	27	21	..
Lower Retaruke 12/1984	223	24.0	11.9	18.0	+1.9	29.1	31	7.4	1	240	16	+104	66	11	..
Lower Retaruke 01/1985	223	24.0	12.6	18.3	+0.8	29.4	17	7.9	28	180	16	+86	58	21	..
Lower Retaruke 02/1985	223	23.5	10.1	16.8	-1.1	26.1	24	3.0	13	66	6	-28	36	17	..
Turangi 02/1985	366	22.4	10.2	16.3	-1.2	27.7	9	3.5	13	84	8	-34	47	17	186
Esk Forest 02/1985	427	21.7	11.0	16.4	-0.4	27.2	6	3.2	13	48	5	-76	23	16	..
Hastings 02/1985	16	24.2	12.5	18.4	..	31.6	1	7.5	4	20	4	..	12	17	..
Kaitoke 02/1985	223	21.9	9.9	15.9	+0.3	25.5	16	2.5	14	56	9	-60	21	19	216
Kapuni 12/1984	173	..	..	..	..	..	..	..	..	118	..	..	23	16	..
Kapuni 01/1985	173	..	..	..	..	..	..	..	..	133	..	..	..	..	..
Kapuni 02/1985	173	21.7	10.1	15.9	..	26.5	16	4.8	13	61	..	..	..	..	..
Ahu Ahu Valley 02/1985	85	24.2	10.4	17.3	..	28.2	16	1.7	21	47	5	..	35	17	..
Westport Airport 02/1985	2	20.4	12.1	16.3	+0.0	26.7	16	8.5	13	130	11	-23	49	27	205
Greymouth 01/1985	4	20.2	13.0	16.6	+0.7	23.9	20	10.1	15	252	19	+55	50	22	172
Stephens Is 02/1985	187	19.8	14.3	17.1	+1.1	22.6	23	10.0	13	26	5	-23	13	1	..
Dunroon 02/1985	350	22.3	10.5	16.4	..	28.0	5	4.0	13	37	..	-6	19	19	..
Bromley Christchurch 02/1985	9	21.8	13.2	17.5	+0.6	30.5	1	6.5	13	69	12	+32	40	11	..
Naseby 02/1985	607	20.5	6.8	13.7	..	28.0	6	-0.1	13	49	7	..	18	18	..
Windsor 02/1985	88	21.9	10.4	16.2	..	31.0	1	4.5	13	20	..	..	..	..	..
Taiaroa Head 01/1985	72	19.6	12.5	16.1	+2.0	27.2	3	10.3	14	29	11	-30	14	22	..
Taiaroa Head 02/1985	72	18.2	11.8	15.0	+0.8	28.0	1	8.0	12	36	12	-5	16	11	..
Winton 02/1985	44	20.0	8.2	14.1	-0.3	28.2	27	2.1	13	63	14	+0	13	1	166
Totokoitu, Rarotonga 01/1985	9	28.9	23.5	26.2	+0.6	30.9	8	21.2	11	334	20	..	68	13	..
Totokoitu, Rarotonga 02/1985	9	29.5	23.6	26.6	+0.8	30.5	15	22.0	17	208	23	..	52	20	..
Raoul Is 10/1984	38	19.4	13.8	16.6	-1.0	22.0	21	10.4	7	57	18	-44	25	26	201
Raoul Is 11/1984	38	21.6	16.7	19.2	+0.3	23.3	17	14.3	11	2	6	-75	1	17	184
Raoul Is 12/1984	38	24.4	20.3	22.4	+1.9	25.7	13	17.5	1	134	16	+20	37	18	140
Campbell Is 12/1984	15	12.4	7.0	9.7	+0.9	17.2	15	1.3	12	48	22	-54	12	16	98
Campbell Is 02/1985	15	12.8	8.4	10.6	+1.4	18.0	27	5.5	11	72	23	-35	10	17	88

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 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 FOR MARCH 1985

General—March was cool but mostly dry and sunny.

Over northern districts of the North Island the frequency of south-easterly winds was exceptional being three times the average for March. Strong winds were a little more frequent than usual. Over the South Island; the north-westerly winds were less frequent than normal, but south-westerlies were considerably above average.

Mean sea level pressures were well above average to the south of the country with Macquarie Island being nearly 8 hectopascals higher than normal. Pressures in the far north were below average.

With dry conditions prevailing over much of the country, farming areas experiencing severest conditions were South Canterbury, North and Central Otago. In these areas there have been near record days of soil moisture deficiency. Farmers report negligible grass growth, but stock condition was variable.

Cool southerlies over the South Island during the 13th brought fresh snow to alpine regions.

Rainfall—Rainfall was below average over much of New Zealand. Over the South Island, very dry conditions prevailed with rainfalls of between 20 and 50 percent of normal being recorded in parts of Canterbury, Otago, Fiordland and Westland. Oamaru had 23 percent of normal rainfall, Duntroun 8 percent, Garthmyl, Middlemarch 18 percent, Glendale, South Canterbury 19 percent, The Hermitage, Mount Cook 26 percent, Queenstown 38 percent, Hokitika 40 percent, Timaru 47 percent and Milford Sound 47 percent.

Northland, Auckland, Western Bay of Plenty, Gisborne and Hawkes Bay were the only areas to have above normal rainfall. In some areas of Gisborne and Hawkes Bay, there was over 150 percent of normal rainfall with East Cape recording 279 percent, Onepoto, Lake Waikaremoana 197 percent and Napier Airport 165 percent.

Heavy rains in Gisborne and Hawkes Bay from the 13th to 15th resulted in massive land slips along the Napier to Taupo Highway trapping several motorists for a time. Te Wairere recorded 370 mm on the 14th and 546 mm for the period. Other rainfall sites recording high totals on the 14th include Glenfalls 372 mm, Valley Range 206 mm, Te Hau 188 mm, Sherenden 184 mm and Tangoio 180 mm.

Temperatures—Over the country mean temperatures were near or below average. Night-time minimum temperatures were in many North Island regions between 0.5°C and 1.0°C lower than usual. In the South Island minimum temperatures were between one and two degrees lower. While South Island daytime maximum temperatures were near normal for March, they were up to 1°C lower over the North Island.

This month was notable in that in the first 13 days generally warm conditions prevailed over the country. Christchurch Airport recorded a maximum temperature of 31.5°C on the 6th and Napier 30.0°C. In the second half of the month, temperatures remained mostly below the monthly average.

Sunshine—Apart from the Poverty Bay area and some Bay of Plenty - Taupo districts, sunshine was above average over New Zealand. The dry conditions over the South Island meant that there were large departures from normal. Among those South Island stations with greatest departures during March were: Hokitika (+66 hours, the second sunniest March on record), Nelson (+48 hours, the largest departure since 1969), Christchurch (+43 hours), Timaru (+55 hours, the greatest since 1948) and Invercargill (+35 hours, the largest since 1967).

Gisborne, on the other hand with only 149 hours of sunshine gave March the second lowest total since records began in 1935.

J. S. HICKMAN, Director.

THESE MAPS ARE MEAN SEA LEVEL ANALYSES
 FOR 0000 HOURS. THEY WERE PREPARED BY
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