



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 26 MARCH 1987

Published by Authority

WELLINGTON: FRIDAY, 27 MARCH 1987

CLIMATOLOGICAL TABLE

FOR JANUARY 1987

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for January 1987

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.			Max- imum	Date				Mini- mum	Date	mm	Date		
Cape Reinga	191	23.8	16.6	20.2	+0.6	26.3	21	11.9	1	1	39	10	-33	14	22	..
Aupouri Forest	69	24.8	15.4	20.1	..	27.9	31	9.5	1	1	50	10	..	13	22	..
Kaitiata	8	24.1	15.7	19.9	..	27.3	30	10.5	28	1	39	12	..	16	22	207
Kaitiata Observatory	85	24.7	14.7	19.7	..	29.8	17	9.6	1	1	81	16	..	17	21	..
Kerikeri M A F	79	24.7	14.7	19.7	..	29.1	17	9.7	25	1	47	16	..	14	21	..
Kerikeri Downs 2	74	23.9	14.6	19.3	..	29.7	17	8.5	25	25	89	12	..	25	8	..
Kerikeri Aero 2	150	24.1	14.6	19.4	..	29.7	17	8.5	25	25	89	12	..	25	8	..
Waioanama	229	22.3	15.0	18.7	+1.0	24.3	22	11.2	28	..	62	15	..	13	23	..
Waipoua Forest	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dargaville Mat	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Glenbervie Forest	107	23.7	13.8	18.8	+1.1	29.2	20	6.0	1	1	98	12	+2	42	7	..
Whangarei Aero	37	24.7	16.1	20.4	+0.7	29.8	20	11.1	1	1	64	11	-13	23	7	..
Whangarei Hospital	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Marsden Power Sin	3	25.6	16.5	21.1	+1.3	30.4	20	10.5	25	25	57	11	-23	18	25	..
Poulo	97	23.1	16.1	19.6	+0.6	26.0	11	11.2	25	25	77	11	..	17	23	..
Leigh 2	27	22.8	16.3	19.6	+0.6	27.3	20	11.8	25	25	48	9	-16	13	21	210
Warkworth	72	23.9	14.3	19.1	+0.7	27.9	18	8.3	25	1	76	10	-9	20	8	..
Woodhill Forest	30	23.5	14.9	19.2	+0.7	25.9	11	8.4	1	1	105	8	+35	28	22	..
Riverhead Forest	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kumeu	32	24.2	14.2	19.2	+1.2	26.8	18	6.2	1	1	113	10	..	35	21	..
Whenuapai Aero	26	24.4	14.7	19.6	+1.0	27.4	19	7.9	1	1	66	9	-2	21	19	..
Henderson, River Pk	4	25.9	14.7	20.3	..	28.5	19	8.3	1	1	137	13	..	37	19	..
Auckland Albert Park	49	24.3	16.8	20.6	+0.8	27.2	16	12.3	25	25	89	12	+24	46	19	215*
Auckland Owhaitaka	41	23.7	15.4	19.6	+0.6	26.1	14	10.2	28	28	88	11	+16	32	19	..
Port Fitzroy	4	23.7	15.5	19.6	+0.4	27.4	20	10.4	26	26	64	14	-44	12	19	..
Little Barrier Is	2	23.8	16.6	20.2	..	27.0	20	12.7	26	..	73	12	-5	24	8	..
Rotorua Is	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Awara Valley	244	24.6	15.8	20.2	..	27.0	16	9.5	28	28	164	11	..	82	31	..
Manukau Heads 2	44	22.8	15.5	19.2	..	26.0	11	10.7	25	25	88	12	+32	29	25	..
Coromandel	43	24.4	15.5	20.0	..	27.3	20	9.7	26	..	80	11	..	27	22	..
Whangapoua Forest	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames 2	3	24.8	16.5	20.7	+1.0	27.4	19	11.9	26	26	78	10	+15	28	22	..
Tairua Forest	3	24.1	15.1	19.6	+0.6	28.8	19	8.5	26	26	95	8	-1	34	21	..
Ngarua 3	1	26.2	13.3	19.8	..	30.0	16	7.2	26	26	91	9	+23	50	22	..
Paeora	4	26.2	15.0	20.6	+1.4	29.8	16	9.2	26	..	96	13	..	33	21	..
Waihi	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Aroha	18	26.2	15.2	20.7	+1.1	29.0	19	9.8	28	3	54	11	-31	17	22	..
Kaitiaki	2	23.6	14.6	20.1	..	29.5	13	9.3	3	..	69	9	..	24	21	..
Wairoa	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga	2	25.2	16.3	20.8	+1.7	29.5	16	12.0	3	..	51	7	-30	23	22	293
Tauranga Aero	4	24.9	14.9	19.9	+1.0	28.8	17	10.4	3	3	53	7	-26	22	22	..
Te Puke	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rotoehu Forest	72	24.9	11.8	18.4	+0.5	29.5	13	9.7	3	..	117	8	+22	41	22	..
Whakataane Aero	6	23.5	13.9	19.2	..	30.3	31	7.0	2	..	62	7	-15	27	23	..
Te Kaha	6	23.6	15.3	19.5	..	26.4	17	11.0	2	..	29	6	..	11	23	..
Port Ohope	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kinleith 2	383	23.3	12.6	18.0	+0.9	27.3	13	9.0	27	..	169	8	+62	55	22	..
Tikitere	338	22.8	13.3	18.1	+0.8	27.4	13	8.8	25	..	120	10	+6	36	22	..
Kawerau	30	26.3	14.0	20.2	+0.7	30.5	31	9.0	24	..	124	9	-8	51	22	..
Te Teko	8	26.4	14.0	20.2	+1.0	30.5	17	9.2	25	..	90	9	+7	34	22	..
Rotorua Aero 2	287	23.6	12.8	18.2	+0.6	27.7	13	8.7	26	..	101	11	+11	32	22	261
Waiotapu Forest	435	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Atiamuri Power Sin	253	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaipara Forest	544	22.6	10.8	16.7	+0.4	26.9	13	1.0	19	..	143	8	+40	43	20	..
Murupara	198	25.7	12.5	19.1	+0.9	30.3	13	7.6	27	..	134	10	+37	39	22	..
Ohaki	350	24.6	11.9	18.3	..	28.7	13	6.6	7	..	117	11	+39	31	22	..
Wairapukao Forest	437	24.0	10.1	17.1	+0.7	28.5	13	2.7	7	..	137	11	+36	46	20	246
Taupo Nead	376	23.8	11.5	17.7	+0.4	27.9	13	6.4	6	..	117	11	+33	26	22	..
Wairakei Power Sin	402	24.2	11.7	18.0	+0.5	28.1	12	6.3	6	..	153	11	+60	49	22	..
Wairakei Research Sin	366	23.9	12.6	17.8	+1.1	28.9	13	4.1	6	..	138	10	+82	38	22	..
Mingunui Forest	400	23.2	12.6	18.3	+1.5	28.4	13	4.6	7	..	194	12	+27	58	22	..
Taupo Aero	400	23.2	11.6	17.4	+0.2	27.3	9	5.0	7	..	100	9	+99	20	22	..
Waimihia Forest	762	20.1	10.1	15.1	..	24.4	9	4.6	7	..	211	14	+37	59	22	..
Opoitiki	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waimana	37	25.4	13.3	19.4	+0.8	31.0	21	7.4	7	..	148	8	+37	34	22	..
Matawai Mat Edl	580	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Auckland Mangere	4	24.2	16.1	20.3	+0.9	26.0	4	9.9	1	..	68	12	+7	25	22	234
Auckland Aero	8	24.2	16.4	20.2	+1.0	26.5	21	11.5	25	..	55	13	-11	15	22	262
Ardmore	30	24.9	13.4	19.2	+0.8	27.5	10	7.5	26	..	68	13	+1	30	22	..
Pukekohe Mat	82	24.2	14.4	19.3	+1.1	27.0	10	10.5	1	..	103	13	..	25	21	197
Mauro Forest	52	23.4	14.9	19.2	+0.6	27.4	9	10.5	1	..	63	9	-14	15	22	..
Hunua	122	24.3	12.9	18.6	+1.0	26.9	12	7.4	28	..	93	11	-13	47	22	..
Maramama Forest	38	25.3	12.9	19.1	+1.0	27.7	19	7.5	28	..	54	11	-1	18	22	238
Te Kauwhata Mat	32	25.6	13.7	19.7	+1.0	29.4	11	9.0	28	..	64	12	..	17	24	..
Rukukura	40	24.9	13.6	19.3	+1.4	28.4	11	9.2	28	..	122	11	+46	33	24	239

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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	Hrs			
Whatawhata	104	24.4	13.6	19.0	+1.2	28.6	11	9.0	25	133	13	+39	30	24	246
Hamilton Aero	50	25.3	12.8	19.1	+1.5	28.5	2	8.0	28	163	11	+90	35	20	..
Cambridge	76	25.4	13.1	19.3	+1.3	28.7	2	8.2	27	124	13	+43	25	20	..
Mokau Mohakatino Stn	46	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Arapuni Power Stn	123	25.4	13.0	19.2	+0.6	30.0	11	9.0	25	134	10	+52	42	22	..
Waikeria	46	25.4	12.8	19.1	+1.0	29.1	11	7.5	17	112	8	..	30	20	..
Te Kuiti Wepb	61	24.8	13.2	19.0	+0.8	28.7	9	8.4	5	208	11	+115	55	21	206
Wairere	122	24.3	12.5	18.4	..	27.9	9	7.5	4	164	12	+68	45	22	..
Pureora Forest	549	21.4	11.1	16.3	+0.9	25.9	9	4.6	28	189	14	+80	63	22	..
Mangakahu Valley	397	22.2	13.4	17.8	..	26.2	19	8.4	26	214	12	..	57	21	..
Taumarunui	171	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokirima	152	24.5	11.6	18.1	..	29.4	9	5.5	5	136	16	..	30	24	..
Omata	61	22.9	15.2	19.1	+1.4	26.3	2	10.4	1	131	16	+37	48	19	..
New Plymouth	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth Aero	27	22.6	14.2	18.4	+1.1	25.6	9	8.9	26	109	13	+12	24	22	..
North Egmont	955	17.9	9.2	13.6	..	21.3	10	5.0	24	343	19	..	79	22	..
Te Wera Forest	180	22.7	11.0	16.9	+0.6	26.8	9	4.5	1	331	16	+198	50	22	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Ruapehu Chateau 2	1097	17.6	6.4	12.0	..	23.0	2	2.5	19	289	17	..	53	22	..
Mt Bruce Res	305	21.9	11.4	16.7	+1.0	29.0	10	2.0	1	200	15	+48	57	22	..
Waingawa	114	25.8	11.8	18.8	+1.5	31.6	11	4.0	1	41	12	-24	16	26	277
Kopua	311	23.4	12.2	17.8	+1.3	28.0	28	2.5	1	18	12	-63	4	18	..
Waipukurau Aero	137	26.0	11.2	18.6	+0.9	29.9	13	0.9	1	19	11	-39	5	20	213*
Dannevirke	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Porangahau	8	24.0	12.9	18.5	..	29.7	13	3.4	1	18	11	..	6	25	..
Castlepoint Light	3	23.1	15.2	19.2	+1.2	28.4	12	8.3	1	82	6	+26	68	12	..
Ngaumu Forest	244	24.0	11.0	17.5	+1.4	28.5	29	0.9	1	17	8	-42	4	26	..
Tauherenikau	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiorongomai	21	23.2	13.4	18.3	+1.5	27.8	7	4.0	1	42	7	-61	20	23	..
Martinborough	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruatoria	61	25.6	14.2	19.9	+0.9	31.8	19	7.5	2	34	8	-76	11	22	..
Mangatu Forest	182	25.3	12.7	19.0	+0.6	30.4	29	5.5	2	101	12	+18	25	26	..
Gisborne, Manutuke	90	25.4	13.7	19.6	+1.1	32.3	19	7.4	2	47	8	-22	25	26	..
Gisborne Aero	4	26.2	14.3	20.3	+1.5	32.4	19	6.2	2	25	11	-45	17	20	275
Wharerata Forest	439	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokomaru Bay Maf Edl	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Esk Forest	427	23.0	12.6	17.8	+1.2	27.5	29	5.5	2	56	9	-66	21	22	..
Ngamatea Nzfs	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	24.1	13.0	18.6	+1.3	29.6	19	6.6	1	58	12	-33	18	22	..
Napier Aero	2	25.1	14.2	19.7	+1.2	32.3	20	6.1	1	13	6	-43	6	20	..
Napier Nelson Pk	2	25.6	15.0	20.3	+1.1	30.8	29	7.7	1	14	6	-36	7	20	267
Havelock Nth Dsir 2	9	25.8	12.7	19.3	..	30.8	15	5.0	1	23	12	..	5	25	254
Hastings Civic Sq.	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatu	6	24.4	13.6	19.0	..	30.5	20	6.0	1	14	8	..	6	20	..
Gwavas Forest	335	24.2	10.1	17.2	+1.1	29.0	19	2.5	1	30	12	-59	8	25	..
Makaretu	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohaka Forest	286	24.1	12.9	18.5	+1.0	30.2	29	6.4	1	72	12	-26	20	3	..
Wairoa Frasertown	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wairoa Hospital	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero	7	22.0	14.1	18.1	+1.1	26.5	2	7.5	2	99	12	+24	30	23	272
Bulls Flockhouse	9	23.1	13.0	18.1	+0.9	26.6	6	4.5	1	76	11	+11	29	22	..
Ohakea Aero	48	23.5	13.8	18.7	+1.0	27.6	9	6.5	1	62	13	-8	26	22	267
Palmerston N Kairanga	15	23.3	12.6	18.0	+0.9	27.1	9	4.6	1	72	12	-2	21	22	263
Palmerston N Aero	45	24.2	13.4	18.8	+1.5	29.2	10	5.3	1	74	..	+4	..	..	..
Palmerston N Dsir	34	23.5	13.6	18.6	+0.9	28.4	10	6.8	1	74	12	-3	23	22	230
Foxton	9	22.9	13.1	18.0	..	26.7	10	3.7	1	143	13	..	48	22	273
Waitare Forest	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Levin Maf	46	22.3	13.4	17.9	+0.7	25.9	10	7.6	1	113	15	+28	34	22	233
Titahi Bay Te Pene Av	31	23.0	14.6	18.8	..	27.7	9	5.2	1	31	7	..	15	22	..
Lower Hutt Avalon	15	22.7	14.0	18.4	+1.1	25.8	11	7.3	1	40	9	-63	12	22	..
Wellington High, D Pk	120	21.9	13.2	17.6	..	24.7	16	7.3	1	29	9	..	11	24	..
Wellington Kelburn	125	21.9	14.4	18.2	+1.6	25.3	18	7.9	1	23	8	-63	10	22	294
Somes Is	43	21.5	14.9	18.2	+1.3	24.3	11	9.0	1	23	9	-47	10	22	..
Lower Hutt Gracefield	34	21.5	..	..	..	26.4	11	..	..	39	8	-43	14	22	..
Wainuiomata Coast Rd	82	22.6	13.1	17.9	+1.4	26.0	10	5.5	1	23	7	-65	8	22	..
Wellington Aero	6	22.6	15.7	19.2	+1.8	26.3	11	9.9	1	19	8	-52	10	24	..
Rimutaka Forest	37	23.2	12.9	18.1	..	26.3	6	3.0	1	15	7	..	8	22	..
Kaitoke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wallaceville	56	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stratford Dem Farm	311	21.7	11.3	16.5	+0.8	26.4	9	6.4	30	147	17	+18	45	22	238
Kapuni	173	22.1	11.9	17.0	..	25.7	13	5.7	5	93	12	..	20	18	..
Manaia Dem Farm	98	22.0	12.7	17.4	+0.9	25.1	13	5.4	1	60	11	-23	13	22	255
Normanby Edr	122

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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	mm	mm	mm	mm	Hrs			
Mt Pleasant	137	22.0	14.3	18.2	+1.8	29.1	15	9.1	24	11	3	-44	8	28	..
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Quail Is, L&S	75	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa Rue Lavaud	3	24.8	12.3	18.6	+1.8	31.0	15	5.0	1	5	4	..	2	11	..
Lake Tekapo Nzed	683	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fairlie Riverview Tce	304	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Twizel Substation	451	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ikawai	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Geraldine Nzfs	119	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Temuka	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Timaru Aero	26	23.4	11.5	17.5	+1.9	31.1	15	5.6	24	32	7	-26	18	23	..
Timaru 2	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waimate	61	22.2	12.2	17.2	+1.0	29.1	13	6.0	24	45	7	-12	13	22	..
Benmore Power Stn	253	24.6	13.4	19.0	..	30.8	13	7.5	1	85	10	+43	34	28	..
Aviemore 2	241	23.5	12.1	17.8	..	31.8	13	4.0	1	72	10	+20	32	28	..
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Knobs Flat	375	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Hawea	350	22.8	12.5	17.7	+0.9	32.7	5	5.0	24	84	14	+29	23	22	..
Wanaka	296	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queensbury Mwd	277	25.0	12.5	18.8	..	33.3	7	5.2	24	55	14	..	17	22	..
Bendigo 2	200	26.0	12.1	19.1	..	34.0	4	5.2	24	37	11	..	15	22	..
Naseby Forest 2	607	22.7	8.4	15.6	..	28.8	13	1.8	24	53	11	..	18	22	..
Oamaru Spey St	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ranfurlly Maniototo	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Herbert Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston	21	21.7	9.7	15.7	+1.0	29.1	15	1.8	24	54	8	+2	28	22	184
Cherry Farm Hospital	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taiaroa Head	72	18.4	12.4	15.4	+1.3	26.5	15	5.0	23	60	15	+1	14	22	..
Invermay Edr	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Berwick Forest	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Aero	1	21.7	9.5	15.6	+0.9	27.9	15	4.8	24	52	13	-18	24	28	188
Dunedin Musselburgh	2	19.8	13.0	16.4	+1.3	28.6	15	7.5	24	59	13	-12	21	22	195
Te Anau Po	215	21.4	10.9	16.2	+2.0	27.8	10	5.5	23	103	14	+6	24	13	189
Manapouri West Arm 2	232	19.5	10.3	14.9	+1.0	27.5	7	6.5	23	404	21	+40	63	17	..
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	23.2	11.4	17.3	+1.1	30.3	5	4.9	24	82	16	+13	23	22	207
Queenstown Aero	349	22.5	9.9	16.2	+0.9	30.0	5	4.2	24	72	12	+14	22	22	..
Gibbston Nevis Bluff	366	24.8	11.2	18.0	..	33.0	7	5.2	24	60	12	..	22	22	..
Burwood Bush	490	19.7	9.1	14.4	..	25.0	9	1.8	23	116	..	..	17	13	..
Cromwell Sub Stn	213	25.7	12.6	19.2	..	32.6	5	5.2	24	33	9	-2	14	22	..
Cromwell Mwd	213	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Northburn	210	25.4	12.2	18.8	..	33.3	7	5.3	24	36	14	..	14	22	..
Cromwell 2	213	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde Dam	160	25.5	12.4	19.0	..	32.0	10	5.2	24	45	16	..	15	22	..
Ophir 2	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde Dsir	171	25.7	11.2	18.5	..	31.6	9	3.2	24	39	15	..	14	22	..
Alexandra B Council	141	26.1	12.0	19.1	..	33.5	3	4.5	24	43	7	..	14	28	226
Roxburgh Power Stn	110	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ettrick No 1	83	24.1	10.3	17.2	..	32.0	10	2.0	24	49	11	..	18	22	..
Ettrick No 2	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont Nzfs	46	23.3	10.4	16.9	..	29.8	10	3.5	24	121	15	+37	35	22	..
Mahinerangi Dam	396	19.6	8.7	14.2	+1.2	26.1	13	3.6	1	67	14	-22	19	22	..
Tapanui	226	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taieri Mouth	15	19.3	10.2	14.8	+1.0	27.6	15	4.0	24	53	10	-17	21	22	..
Tuatapere	27	20.7	11.0	15.9	..	29.5	10	4.8	24	159	18	..	64	24	..
Otautau Nzfs	55	21.2	10.3	15.8	+1.8	28.4	10	5.8	19	91	15	+0	23	24	127
Winton B Council	44	21.0	10.9	16.0	+1.7	29.2	10	4.5	24	97	14	+17	27	24	150
Gore Edr	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gore Grasslands Dsir	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hokonui Forest	46	21.3	10.3	15.8	+1.2	28.6	10	6.2	24	114	14	+19	43	24	..
Invercargill Aero	0	20.0	11.0	15.5	+1.8	27.1	10	6.1	24	80	15	-16	18	22	166
Tiwai Point	5	19.1	12.1	15.6	+1.5	25.0	11	8.9	19	121	17	+35	29	15	..
Stewart Is	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clinton School	120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Balclutha Finegand	6	21.3	11.5	16.4	+1.7	27.0	27	6.0	1	89	12	+25	21	22	162
Owaka	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nugget Point	129	18.3	11.3	14.8	+1.5	22.7	13	7.2	24	89	18	+13	23	22	..
Tautuku	40	19.7	10.8	15.3	+1.7	29.8	11	6.2	21	140	16	+9	49	22	..
Nadi Airport Fiji	15	33.1	21.8	27.5	+0.3	36.7	11	19.5	17	13	5	-297	7	17	329
Rarotonga Airport	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	24.0	19.7	21.9	+0.2	26.5	31	15.5	21	145	16	+26	67	2	175
Campbell Is	15	13.8	8.7	11.3	+1.9	19.7	10	4.9	26	161	25	+43	32	23	89
Chatham Is Waitangi	44	19.4	13.1	16.3	+1.8	22.9	30	8.7	28	38	11	-19	21	22	164

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for January 1987—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.			Maxi—mum	Date	Mini—mum	Date				Amount	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm	mm	
Kaingaroa, Chatham Is	41	..	..	-2.0	+3.0	6.4	15	-11.0	5	..	..	..	..	..	..
Antarctica Scott Base	16	1.3	-5.3												
LATE RETURNS AND CORRECTIONS															
Cape Reinga 12/1986	191	20.9	13.9	17.4	+0.3	24.2	29	10.7	1	64	12	+3	32	20	..
Kerikeri M A F 12/1986	79	22.1	11.9	17.0	..	24.5	22	7.8	4	110	17	..	38	20	..
Kerikeri Downs 2 12/1986	74	21.7	11.9	16.8	..	24.2	8	7.6	4	69	14	..	22	20	..
Waiotemarama 09/1986	229	14.4	9.0	11.7	-0.2	15.9	28	5.7	14	156	20	..	26	1	..
Waiotemarama 11/1986	229	18.0	11.2	14.6	+0.0	22.1	22	7.3	30	92	13	..	30	11	..
Waiotemarama 12/1986	229	19.8	12.2	16.0	+0.0	23.5	18	8.6	5	174	..	..	50	5	..
Glenbervie Forest 12/1986	107	21.4	9.4	15.4	-0.9	24.1	16	2.6	3	131	10	+16	57	21	..
Marsden Power Stn 12/1986	3	23.4	12.9	18.2	-0.2	26.4	29	8.0	3	49	9	-42	16	21	..
Pouto 12/1986	97	21.5	13.9	17.7	..	25.6	16	11.5	1	47	9	..	15	5	..
Leigh 2 12/1986	27	20.7	14.9	17.8	+0.3	23.1	30	11.5	2	22	7	-52	11	21	264
Riverhead Forest 12/1986	28	22.1	10.4	16.3	-0.3	25.3	29	5.1	3	38	6	-66	22	21	..
Kumeu 12/1986	32	22.2	10.5	16.4	-0.3	25.6	15	4.7	3	38	6	..	21	21	..
Little Barrier Is 12/1986	2	22.1	14.1	18.1	..	23.5	28	11.7	5	43	..	-46	14	21	..
Thames 2 12/1986	3	22.2	14.0	18.1	-0.2	24.2	22	7.6	2	42	9	-50	19	8	..
Ngatea 3 12/1986	1	23.9	10.9	17.4	..	27.0	28	4.0	2	51	10	..	24	1	..
Te Puke 12/1986	91	21.6	10.7	16.2	-0.6	24.4	15	3.7	2	71	8	-69	48	21	229
Port Ohope 12/1986	9	21.4	13.2	17.3	-0.1	25.5	30	7.3	2	38	6	..	19	21	226
Te Teko 12/1986	8	23.3	11.7	17.5	-0.2	26.4	16	5.6	2	67	10	-68	37	21	214
Murupara 12/1986	198	22.2	10.0	16.1	-0.7	27.0	16	2.3	2	33	5	-104	24	21	..
Ohaaki 12/1986	350	21.6	9.9	15.8	..	25.8	16	1.0	2	16	9	..	11	21	..
Wairakei Research Stn 12/1986	402	21.9	8.8	15.4	+0.1	26.0	16	-0.4	2	20	6	-106	14	21	..
Matawai Maf Edl 10/1986	580	17.1	6.0	11.6	..	20.8	17	0.0	1	119	21	..	18	11	..
Matawai Maf Edl 11/1986	580	18.8	5.7	12.3	..	27.4	8	-1.5	24	..	..	..	..	..	..
Auckland Mangere 12/1986	4	21.9	13.8	17.9	+0.1	25.1	29	7.3	2	42	10	-42	26	21	214
Ardmore 12/1986	30	22.3	11.8	17.1	+0.3	25.1	17	4.2	2	47	11	-54	22	21	..
Te Kauwhata Maf 12/1986	32	23.2	11.6	17.4	+0.1	27.6	18	4.5	2	40	13	-59	13	1	205
Pureora Forest 11/1986	549	16.5	6.4	11.5	-0.2	23.5	6	0.1	30	92	20	-59	24	24	..
Pureora Forest 12/1986	549	19.0	8.4	13.7	-0.2	22.6	19	-0.5	2	82	6	-81	60	21	..
Mangakahu Valley 12/1986	397	21.0	11.0	16.0	..	24.6	30	3.8	2	36	5	..	27	21	..
Tokirima 12/1986	152	22.7	9.2	16.0	..	26.4	17	1.8	2	34	6	..	17	5	..
Mt Ruapehu Chateau 2 11/1986	1097	13.5	3.3	8.4	..	22.4	6	-4.5	10	183	..	..	42	24	..
Mt Ruapehu Chateau 2 12/1986	1097	15.3	4.8	10.1	..	18.8	18	-1.4	2	125	..	..	61	21	..
Mt Bruce Res 12/1986	305	18.6	10.4	14.5	+0.1	25.8	17	3.2	31	69	15	-113	33	21	..
Porangahau 12/1986	8	20.4	11.6	16.0	..	26.5	19	5.7	6	21	11	..	4	7	..
Castlepoint Light 12/1986	3	20.1	13.7	16.9	+0.2	26.5	20	8.8	31	21	9	-55	7	2	..
Ngauru Forest 12/1986	244	19.9	9.4	14.7	-0.1	26.4	17	1.4	31	19	11	-70	4	9	..
Tauherenikau 12/1986	43	21.4	10.8	16.1	+0.2	27.0	17	2.7	31	14	8	-71	5	21	224
Waiorongomai 12/1986	21	19.9	13.0	16.5	+0.9	25.5	17	4.5	31	42	9	-71	16	21	..
Ruatoria 12/1986	61	22.0	12.4	17.2	-0.4	28.0	15	5.7	3	168	7	+20	92	6	..
Tokomaru Bay Maf Edl 10/1986	244	18.8	9.5	14.2	..	23.4	26	6.7	16	61	15	..	13	13	..
Tokomaru Bay Maf Edl 11/1986	244	19.5	10.5	15.0	..	25.8	8	7.8	17	31	9	..	10	26	..
Ngamatea Nzfs 09/1986	885	9.5	1.3	5.4	..	15.8	28	-4.7	1	142	17	..	35	16	..
Ngamatea Nzfs 10/1986	885	13.3	4.4	8.9	..	19.1	25	-0.4	17	42	20	..	5	19	..
Ngamatea Nzfs 11/1986	885	14.9	3.9	9.4	..	21.0	7	-2.0	21	43	17	..	9	30	..
Napier Nelson Pk 12/1986	2	22.5	13.5	18.0	+0.2	29.4	22	7.8	2	17	11	-60	5	16	220
Hastings Civic Sq. 12/1986	16	22.7	12.6	17.7	..	29.5	22	5.0	7	13	8	..	5	16	..
Makaretu 12/1986	335	20.1	10.1	15.1	-0.2	26.3	14	4.2	6	29	19	-89	9	16	..
Wairoa Hospital 12/1986	20	..	13.1	..	..	..	..	9.5	26	29	7	-101	9	7	193
Foxton 12/1986	9	20.7	11.1	15.9	..	24.3	17	3.1	2	30	9	..	10	21	244
Waitarere Forest 12/1986	3	20.3	10.3	15.3	-0.8	23.9	21	2.5	2	22	7	-56	13	21	..
Wellington High, D, Pk 12/1986	120	..	..	..	..	..	..	..	..	26	8	..	16	21	..
Somes Is 12/1986	43	18.7	13.0	15.9	+0.3	24.5	17	8.0	5	21	7	-83	13	21	..
Wainuiomata Coast Rd 12/1986	82	19.0	11.5	15.3	+0.1	23.0	17	4.2	5	36	9	-93	17	21	..
Kaitoke 12/1986	223	18.6	10.5	14.6	+0.3	24.0	17	1.5	31	56	15	-111	17	21	192
Wallaceville 12/1986	56	20.3	11.4	15.9	+0.5	24.6	21	3.6	2	40	12	-56	14	21	244
Kapuni 12/1986	173	19.4	9.2	14.3	..	24.0	14	5.5	10	42	11	..	25	21	..
Normanby Edr 07/1986	122	11.3	3.5	7.4	..	14.6	25	-1.8	5	..	..	..	..	..	..
Normanby Edr 08/1986	122	11.5	4.5	8.0	..	15.2	9	-1.7	15	120	16	..	22	8	..
Normanby Edr 09/1986	122	13.4	6.8	10.1	..	17.1	27	-0.5	10	..	..	..	..	..	..
Normanby Edr 10/1986	122	16.0	9.4	12.7	..	..	..	..	..	..	..	..	..	..	..
Normanby Edr 11/1986	122	17.4	8.9	13.2	..	..	..	..	..	..	..	..	..	..	..
Pipiriki 2 12/1986	80	22.6	10.8	16.7	..	27.5	18	5.3	4	36	11	..	9	15	..
Karioi 2 12/1986	648	18.5	7.2	12.9	-0.8	23.0	17	0.0	3	23	13	-96	4	16	..
Ahu Ahu Valley 12/1986	85	21.5	9.9	15.7	..	26.8	18	5.2	10	39	10	..	26	16	..
Taihape Kahui 12/1986	518	19.6	9.3	14.5	+0.1	24.4	17	3.4	2	24	5	-73	15	16	..
Wanganui Cooks Gdns 12/1986	22	20.7	12.6	16.7	+0.1	26.5	14	7.5	2	30	8	-58	10	15	268
Westport Aero 12/1986	2	19.4	12.0	15.7	+0.9	21.3	21	7.9	2	161	16	-16	46	21	208
Arapito 12/1986	20	19.7	12.0	15.9	..	23.6	21	6.0	1	170	13	..	56	29	136

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for January 1987—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	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	°C	mm	mm	mm	mm	Hrs		
Springs Junction 12/1986	421	20.5	8.1	14.3	+0.7	28.7	10	1.5	3	207	13	+44	79	29	..
Franz Josef 12/1986	155	19.0	9.8	14.4	..	25.0	12	5.7	1	485	17	..	73	29	82
Tapawera 12/1986	146	22.1	8.8	15.5	..	26.1	20	3.3	1	66	8	..	33	21	..
Rai Valley 12/1986	79	20.4	10.4	15.4	+0.1	26.2	22	3.4	31	150	7	-9	134	21	..
Wairau Valley 12/1986	162	21.7	10.2	16.0	..	28.0	17	2.5	31	66	3	..	59	21	..
Blenheim Aero 12/1986	64	21.7	11.2	16.5	+0.3	30.2	15	2.6	2	47	3	-8	43	21	..
Duntroon 12/1986	350	..	..	..	..	..	..	..	..	39	..	-28	25	21	..
Grassmere Salt Works 12/1986	2	20.2	13.2	16.7	+0.5	27.5	15	6.5	3	30	2	-13	26	21	208
Boyle River Lodge 12/1986	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hanmer Forest 12/1986	387	20.8	8.6	14.7	+0.4	26.5	28	2.1	5	27	7	-72	8	16	209
Arthurs Pass 12/1986	738	17.1	7.1	12.1	..	25.1	10	2.2	1	339	18	-3	52	21	..
Balmoral Forest 11/1986	198	..	..	..	..	..	..	..	..	57	9	+11	20	2	..
Balmoral Forest 12/1986	198	21.2	9.5	15.4	+0.3	27.2	21	2.0	30	28	6	-27	11	30	..
Cheviot 12/1986	85	20.5	10.0	15.3	..	28.5	19	2.8	5	16	5	..	6	21	222
Highbank Power Stn 12/1986	336	19.4	9.9	14.7	+0.5	25.5	20	5.1	1	22	8	-68	9	21	203
Ashburton Council 12/1986	101	21.9	11.0	16.5	+0.7	30.5	20	6.8	1	10	4	-57	5	29	213
Waipara 12/1986	64	21.7	11.2	16.5	+0.4	28.5	20	5.7	9	37	5	-15	17	30	..
Ashley Forest 1 11/1986	107	16.9	8.4	12.7	-0.5	24.6	23	4.2	14	67	8	+7	32	25	186
Ashley Forest 1 12/1986	107	20.0	10.8	15.4	+0.5	27.5	20	5.6	5	24	4	-49	9	21	213
Twizel Substation 12/1986	451	23.6	9.0	16.3	..	29.4	22	2.7	3	5	5	..	2	28	..
Geraldine Nzfs 12/1986	119	21.2	10.9	16.1	+1.2	29.6	29	6.0	24	19	10	-59	13	29	..
Orari Estate 12/1986	81	21.3	10.2	15.8	+1.3	32.3	20	5.6	1	17	11	-59	10	29	..
Timaru 2 12/1986	17	19.4	11.3	15.4	..	29.6	29	5.5	1	12	6	..	6	29	..
Kurow 11/1986	207	19.2	8.5	13.9	..	26.5	5	2.5	30	46	8	..	21	28	..
Wanaka 12/1986	296	24.1	10.5	17.3	+1.7	30.2	11	4.1	1	25	8	-27	8	22	..
Dunedin Musselburgh 12/1986	2	17.8	11.4	14.6	+0.6	26.0	18	6.5	1	83	11	+10	30	24	155
Gibbston Nevis Bluff 12/1986	366	23.1	10.2	16.7	..	28.0	11	3.8	31	28	6	..	10	12	..
Alexandra B Council 12/1986	141	24.5	10.6	17.6	..	31.0	15	2.0	1	5	4	..	2	21	260
Otautau Nzfs 12/1986	55	19.1	9.2	14.2	+1.1	27.0	14	3.2	16	104	12	+21	23	29	135
Gore Edr 07/1986	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gore Edr 08/1986	123	9.0	1.2	5.1	..	14.0	31	-3.0	27	..	..	..	..	..	..
Hokonui Forest 12/1986	46	19.3	8.7	14.0	+0.3	26.9	18	3.4	31	81	12	-6	23	29	..
Clinton School 12/1986	120	19.2	8.7	14.0	..	27.5	14	3.9	1	42	12	..	12	30	..
Balclutha Finegand 12/1986	6	19.6	9.6	14.6	+0.9	27.4	18	4.1	1	36	..	-28	8	29	156
Tautuku 11/1986	40	16.7	7.9	12.3	+1.2	26.4	5	3.8	13	99	16	-17	15	28	..
Tautuku 12/1986	40	17.0	9.0	13.0	+0.3	26.8	14	4.3	25	83	15	-5	17	25	..
Totokoitu, Rarotonga 11/1986	9	27.2	21.1	24.2	+0.5	29.5	19	16.6	9	287	16	..	98	5	..
Totokoitu, Rarotonga 12/1986	9	27.4	22.1	24.8	+0.2	29.9	10	18.4	13	130	15	..	31	18	..
Kaingaroa, Chatham Is 09/1986	41	12.4	7.1	9.8	..	14.7	28	3.6	10	53	21	..	12	15	..

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 IN JANUARY 1987

General—January was warmer than usual over the whole of New Zealand.

Mean sea level pressures were near normal over the south of the South Island. At 4 p.m. on the 23rd a very low pressure of 967.4 hPa was reached at Timaru Airport.

North-westerly winds were rather persistent this month. At both Auckland and Invercargill Airport their frequency was the second highest since records began 30 years ago.

Rainfall—Rather dry conditions prevailed over the North Island, and eastern regions of the South Island during the first three weeks of January. No rain was recorded at Tauranga Airport until the 19th, and up to the 21st less than 5 mm had been recorded at Kelburn, Nelson, Blenheim, Kaikoura and Christchurch Airport. Rainfall was only 20 to 40 percent of normal in Gisborne, Hawke Bay, and Marlborough and on the Canterbury Plains.

It was very wet in the Waikato, King Country, and in Westland, with totals for the month ranging between 180 to 270 percent of normal. Over 800 mm was recorded for the month at Franz Josef.

Temperatures—Mean temperatures were 1.5 to 2.5°C above normal in east coast regions (south of Hawke Bay), including Wellington. Elsewhere they were 1°C above normal. In much of South Canterbury this was the warmest January for at least 20 years.

At Waihi a maximum temperature of 32.1°C was reached on the 13th. This was the highest there since records began in 1928.

Sunshine—January was a sunny month, with hours of bright sunshine ranging from 110 to 120 percent of normal in most places. At Christchurch Airport the total of 280 hours (134 percent of normal) was the highest since 288 hours was reached in 1957.

It was a little cloudier than usual in Northland and in Southland.

J. S. HICKMAN, Director.

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





