22 APR 1983

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 14 APRIL 1983

Published by Authority

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CLIMATOLOGICAL TABLE
FOR FEBRUARY 1983

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for February 1983*

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Cape Reinga	191	22.3	15.3	18.8	−0.1	25.9	15	13.9	1	10	7	−48	7	17	..
Kaitaia Airport	80	23.8	14.7	19.3	−0.6	26.4	14	11.4	24	20	10	−74	15	14	182
Aupouri Forest	69	22.9	15.7	19.3	−0.6	25.5	14	13.5	24	21	4	−67	15	15	..
Kaitaia	8	24.2	14.5	19.4	..	26.6	15	10.5	24	24	5	..	15	14	..
Kerikeri M A F	79	24.2	14.0	19.1	..	29.4	13	10.7	11	36	8	..	18	16	..
Kerikeri Downs	79	..	14.1	..	..	..	..	10.7	25	36	8	..	17	16	..
Kerikeri Aerodrome	150	23.9	13.6	18.8	..	30.6	13	10.4	11	68	9	..	38	17	..
Umawera	9	23.8	13.1	18.5	−0.9	29.0	13	7.7	24	66	9	−41	19	15	..
Kaikohe	204	22.4	13.8	18.1	−0.9	27.5	13	10.0	25	88	7	..	52	17	145
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	22.1	13.5	17.8	−0.5	26.0	14	9.0	24	35	11	−77	10	14	..
Dargaville	20	22.6	14.2	18.4	−0.4	26.6	14	8.0	27	44	5	−40	31	16	130
Waitangi Forest	55	24.1	14.4	19.3	−0.4	28.0	4	11.3	25	57	7	−50	31	17	190
Glenbervie Forest	107	22.9	13.0	18.0	+0.2	28.4	13	6.4	24	92	7	−63	26	15	..
Whangarei Airport	37	23.0	15.1	19.1	−0.7	28.0	13	11.3	24	96	7	−21	30	16	..
Whangarei	29	23.6	13.9	18.8	−0.8	29.5	13	9.5	24	84	6	..	21	15	153*
Marsden Power Station	3	23.2	..	..	..	27.1	13	..	..	34	9	..	15	16	..
Pouto	97	21.5	15.1	18.3	..	25.0	24	12.4	1	17	7	..	8	15	..
Leigh	27	21.3	15.9	18.6	−0.8	24.1	4	13.1	6	22	4	−72	14	15	169
Warkworth	72	22.0	14.0	18.0	−0.4	26.6	14	9.2	27	38	8	..	22	15	..
Oyster Point	0	22.4	14.7	18.6	..	25.6	23	8.7	27	9	7	..	6	8	..
Woodhill Forest	30	21.5	14.5	18.0	−0.7	24.3	13	8.7	27	21	7	−70	11	8	..
Riverhead Forest	28	22.1	13.9	18.0	−0.4	25.4	24	7.2	27	15	5	−84	7	8	..
Kumeu	32	22.1	13.8	18.0	..	25.0	24	6.5	27	23	9	..	9	8	..
Whenuapai	26	22.7	14.4	18.6	−0.1	26.0	14	9.0	27	24	8	−70	9	8	..
Albert Park, Auckland	49	22.3	15.6	19.0	−1.0	25.3	14	13.4	27	46	5	−48	32	14	147*
Owairaka, Auckland	41	22.1	15.0	18.6	−0.6	24.9	24	11.1	27	36	5	−63	29	14	..
Port Fitzroy	4	22.4	15.3	18.9	−0.4	24.2	14	11.1	27	45	6	−85	28	15	..
Little Barrier Island	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coromandel	43	22.4	14.1	18.3	..	25.6	14	10.3	2	52	9	..	25	14	..
Whangapoua Forest	4	23.1	13.9	18.5	+0.1	25.7	24	8.2	25	52	7	−65	30	14	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	23.0	14.3	18.7	−0.3	27.2	3	10.1	25	45	4	−69	38	14	..
Paeroa	4	24.0	13.3	18.7	−0.2	27.5	3	7.0	6	47	5	−44	21	13	..
Waihi	91	22.7	13.6	18.2	−0.4	25.9	3	9.3	27	34	7	−96	12	27	151
Te Aroha	18	23.6	13.9	18.8	−0.8	27.1	3	9.4	2	54	4	−45	35	14	..
Katikati	2	23.4	13.5	18.5	..	28.5	3	7.9	12	27	5	..	19	14	..
Tauranga	2	23.1	14.6	18.9	−0.3	29.8	3	10.0	1	31	6	..	26	14	..
Tauranga Airport	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Puke	91	22.6	12.2	17.4	−1.1	30.6	3	5.2	6	37	8	..	18	14	202
Rotoehu Forest	72	23.5	11.7	17.6	−0.4	31.9	3	2.1	6	26	4	−98	20	14	..
Whakatane	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatane Airport	6	23.0	12.4	17.7	..	26.9	4	7.4	6	30	3	..	18	14	..
Te Kaha	6	22.1	14.1	18.1	..	24.5	17	10.0	9	16	4	..	12	14	..
Port Ohope	9	22.9	14.4	18.7	..	26.0	4	9.6	1	11	3	..	6	25	242
Kinleith	383	21.3	10.4	15.9	−1.3	25.4	3	3.8	6	44	5	−79	18	13	..
Tikitere	338	21.5	11.6	16.6	..	26.5	3	6.6	1	19	5	..	11	14	..
Kawerau	30	24.8	13.3	19.1	−0.4	32.8	3	9.1	5	35	3	−102	28	14	..
Te Teko	8	26.3	11.7	19.0	−0.1	31.2	3	5.0	6	44	4	−70	39	14	221
Rotorua Airport	287	22.0	11.2	16.6	−1.1	27.7	3	5.3	6	21	4	−93	11	14	221
Tarawera Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiotapu Forest	435	21.7	10.1	15.9	−0.9	28.3	3	4.1	1	35	4	−77	14	13	..
Atiamuri Power Station	253	23.1	10.3	16.7	−1.0	29.0	3	2.8	6	25	3	−58	12	20	..
Kaingaroa Forest	544	21.5	9.2	15.4	−0.8	29.2	3	3.8	1	24	4	−108	8	26	..
Murupara	198	25.1	11.1	18.1	..	33.0	3	4.4	1	21	5	−101	10	8	..
Wairapukao Forest	437	22.7	8.0	15.4	−1.0	31.5	3	0.4	6	12	4	−105	8	8	..
Taupo	376	22.6	10.7	16.7	−0.5	29.1	3	6.1	1	12	4	−82	9	8	201
Wairakei Power Station	342	23.2	10.9	17.1	−0.2	30.5	3	5.0	1	17	5	−85	12	8	..
Wairakei Research Station	402	24.0	9.4	16.7	+0.1	31.0	3	4.5	1	15	4	−84	12	8	..
Minginui Forest	366	23.5	9.3	16.4	−0.3	31.0	3	0.4	1	22	4	−110	13	8	..
Taupo Airport	407	21.7	10.7	16.2	..	27.0	3	2.3	1	21	5	..	14	8	..
Waimihia Forest	743	19.2	8.8	14.0	−0.5	25.4	3	1.5	1	32	5	−100	24	8	..
Opotiki	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waimana	37	24.3	11.3	17.8	−0.8	30.0	3	3.9	6	29	4	−106	19	14	..
Mangere, Auckland	4	21.5	15.1	18.3	−1.0	24.2	24	10.8	27	47	7	−42	36	14	138
Otara, Auckland	12	22.3	14.5	18.4	−0.5	24.6	24	9.5	25	54	5	−43	45	14	..
Auckland Airport	8	22.0	15.2	18.6	−0.9	24.8	18	11.8	25	37	6	−52	27	14	147
Ardmore	30	22.7	13.3	18.0	−0.6	25.5	24	8.2	27	39	5	−65	26	14	..
Pukekohe	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maioro Forest	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hunua	122	22.1	12.4	17.3	..	24.8	26	7.6	25	60	9	..	26	14	..
Maramarua Forest	38	22.6	12.4	17.5	−0.7	25.9	27	7.2	2	30	6	−67	17	14	..
Te Kauwhata	32	21.9	12.7	17.3	−1.5	25.0	24	8.9	2	33	12	−43	14	14	138
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for February 1983*—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Taupiri	23	22.8	..	..	..	26.0	26	..	..	49	7	..	26	14	..
Ruakura, Hamilton	40	22.4	11.8	17.1	−1.0	25.2	21	5.8	12	28	5	−53	12	14	178
Whatawhata	104	21.2	12.8	17.0	−1.2	24.8	22	8.1	24	18	6	−94	8	14	165
Rukuhia	66	23.0	11.6	17.3	−1.3	26.5	27	7.1	12	19	6	−67	9	8	176
Hamilton Airport	50	23.0	10.2	16.6	−1.5	26.5	21	4.9	1	20	8	−61	10	8	..
Cambridge	76	22.8	11.2	17.0	..	25.8	21	3.7	6	25	5	..	16	14	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Station Mokau	46	19.9	13.6	16.8	−1.2	24.0	18	9.0	1	19	4	−100	15	8	..
Arapuni Power Station	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waikeria	46	22.8	10.2	16.5	..	26.2	26	3.2	1	12	5	..	5	8	..
Te Kuiti	61	22.1	11.1	16.6	−1.7	25.5	21	6.0	1	22	7	−72	15	8	144
Wairere	122	21.4	11.1	16.3	..	25.8	15	4.5	1	20	7	−84	15	8	..
Pureora Forest	549	19.3	9.6	14.5	−0.8	23.2	2	2.9	6	47	10	−75	20	8	..
Mangakahu Valley	397	20.7	10.8	15.8	..	25.3	2	6.8	9	71	10	..	30	15	..
Taumarunui	171	23.0	11.2	17.1	−1.2	27.0	2	4.7	6	22	9	−77	15	8	155
Tokirima	152	22.5	9.5	16.0	..	26.8	2	0.9	6	33	6	..	17	8	..
Omata	61	19.9	12.9	16.4	−1.7	22.5	16	10.0	6	22	5	..	10	13	..
New Plymouth	55	20.6	12.8	16.7	..	23.7	18	9.2	12	22	7	..	11	8	..
New Plymouth Airport	27	20.5	12.3	16.4	−0.9	23.5	18	8.2	24	15	5	−87	9	8	219
Tikorangi	77	21.2	11.1	16.2	..	24.5	18	6.2	1	23	8	..	13	8	..
North Egmont	955	16.4	7.5	12.0	..	20.5	4	2.5	1	106	9	..	54	8	..
Te Wera Forest	180	21.0	9.9	15.5	−0.6	25.5	17	5.8	9	34	5	−85	18	13	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	21.8	10.3	16.1	−0.8	28.4	3	3.2	1	34	7	..	16	13	197
Chateau, Mt Ruapehu	1119	17.1	5.5	11.3	−0.9	24.9	3	1.2	1	122	9	−84	42	8	..
Mt Bruce Reserve	305	20.6	8.2	14.4	−1.3	26.5	27	3.0	6	51	6	..	29	8	..
Waingawa, Masterton	114	23.0	9.7	16.4	−0.9	28.5	2	6.0	9	29	6	−29	12	8	..
Kopua	311	21.1	10.7	15.9	−0.8	24.7	2	5.4	6	40	7	−39	15	13	..
Waipukurau	137	22.9	10.7	16.8	−0.8	28.2	4	6.1	2	24	5	−37	11	13	192*
Dannevirke	207	21.5	10.9	16.2	−0.8	25.6	16	5.1	6	45	10	−21	17	8	186
Porangahau	8	21.8	11.9	16.9	..	27.8	4	8.0	26	31	7	..	12	13	..
Castlepoint	3	20.1	13.1	16.6	−0.8	25.3	23	9.6	6	30	5	−28	14	13	..
Ngaumu Forest	244	22.3	8.8	15.6	−0.4	27.5	27	4.0	26	30	5	−36	19	8	..
Tauherenikau, Alloa	43	22.6	10.0	16.3	−1.1	27.9	16	5.7	9	36	6	−30	19	8	..
Waiorongomai	21	20.8	10.5	15.7	−1.1	26.7	18	6.8	26	21	4	−78	14	8	..
Cape Palliser	10	19.9	12.4	16.2	−1.1	25.6	4	9.0	6	29	8	−40	17	8	..
East Cape	17	21.7	14.4	18.1	−1.1	28.9	4	10.3	23	20	6	−79	15	14	..
Ruatoria	61	23.8	12.6	18.2	−0.7	34.8	4	8.2	23	36	8	−99	25	14	..
Mangatu Forest	182	23.9	11.2	17.6	−0.7	31.3	3	5.7	1	23	6	−61	18	14	..
Manutuke Gisborne	9	23.5	10.7	17.1	−1.4	31.5	4	4.2	1	4	3	−57	2	14	..
Gisborne Airport	4	23.7	11.3	17.5	−1.2	32.0	4	5.8	23	4	3	−57	2	14	220
Onepoto, Waikaremoana	643	21.1	10.1	15.6	−0.5	33.6	4	4.6	6	57	10	−83	16	21	..
Wharerata Forest	439	19.3	10.8	15.1	..	27.0	4	5.3	6	18	8	..	9	21	..
Esk Forest	427	21.3	10.3	15.8	−0.8	27.2	4	4.3	1	64	7	−38	28	21	..
Kaweka Forest	414	21.5	11.2	16.4	−0.8	27.5	4	6.6	6	51	6	..	23	13	..
Napier Airport	2	22.3	11.8	17.1	..	32.3	4	6.0	1	11	2	−50	9	13	..
Napier	2	23.6	12.6	18.1	−0.9	30.8	4	6.5	6	8	3	−50	6	13	215
Hastings	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Havelock North	9	23.0	10.9	17.0	−0.8	29.4	4	5.6	6	18	4	−40	17	13	204
Whakatu	6	22.6	11.0	16.8	..	30.5	4	5.3	6	16	4	..	13	13	..
Gwavas Forest	335	21.6	9.2	15.4	−0.6	26.5	2	3.8	6	39	5	−60	26	13	..
Makaretu	335	22.2	10.0	16.1	−0.7	27.3	4	5.1	6	48	8	..	21	8	..
Mohaka Forest	286	22.3	..	..	..	29.4	4	..	..	34	7	−117	10	14	..
Frasertown, Wairoa	8	22.9	11.6	17.3	−1.5	31.0	4	6.8	6	14	9	−77	6	21	..
Wairoa	20	22.4	11.1	16.8	−1.9	31.0	4	5.3	6	12	4	..	7	21	203
Kapiti Island	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	19.8	10.9	15.4	−1.7	23.7	18	5.4	1	9	11	−65	3	3	200
Flockhouse, Bulls	9	20.6	11.0	15.8	−1.4	25.7	17	3.5	6	39	9	−22	21	8	..
Ohakea	48	20.8	12.0	16.4	−1.4	25.2	17	6.9	6	50	9	−14	30	8	199
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston North	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston North Airport	45	21.6	11.0	16.3	−0.9	25.3	16	2.4	6	35	6	−26	21	8	..
Palmerston North D S I R	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tiritea	100	20.8	11.6	16.2	..	24.6	16	4.3	6	32	8	..	14	8	..
Waitarere Forest	3	20.0	11.0	15.5	−1.5	22.5	14	4.8	1	10	6	−51	5	13	..
Levin	46	20.3	11.5	15.9	−1.3	24.6	17	6.6	1	15	9	−61	8	13	179
Titahi Bay	31	20.4	12.0	16.2	..	23.5	18	7.1	9	9	5	..	4	8	..
Avalon, Lower Hutt	15	20.4	12.1	16.3	−0.8	24.2	18	7.7	15	15	8	−64	7	8	..
Kelburn, Wellington	125	19.4	12.1	15.8	−0.9	24.5	18	7.2	6	20	9	−64	12	8	202
Somes Island	43	19.1	12.8	16.0	..	23.5	18	9.0	9	14	6	..	8	8	..
Gracefield, Lower Hutt	34	20.0	12.1	16.1	−1.1	24.6	18	7.8	9	14	5	−67	8	8	..
Wainuiomata	82	20.2	10.5	15.4	−1.0	24.4	17	5.9	15	13	5	..	10	8	..
Wellington Airport	6	19.6	13.5	16.6	−0.7	24.6	18	9.3	6	18	6	−48	15	8	..
Rimutaka Forest	40	20.8	11.0	15.9	..	24.3	18	6.3	15	7	6	..	5	8	..
Kaitoke	223	19.8	9.0	14.4	−0.9	25.1	17	3.3	9	37	10	−115	27	8	165
Wallaceville	56	21.1	10.0	15.6	−1.0	25.8	16	5.0	9	14	7	−77	6	8	178
Cape Egmont	8	19.6	13.1	16.4	−1.0	22.5	17	8.8	27	18	4	−73	9	13	..

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	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Stratford Mountain House	846	17.4	7.3	12.4	−0.5	22.5	3	2.4	1	77	9	−360	44	8	..
Stratford Dem. Farm	311	19.8	9.5	14.7	−1.0	24.2	17	6.0	2	21	5	−126	13	20	183
Kapuni	173	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manaia Dem. Farm	98	19.2	11.1	15.2	−1.2	23.1	18	7.2	2	34	8	−45	17	8	176
Normanby	122	19.7	10.9	15.3	..	23.4	17	7.5	2	23	8	..	13	13	..
Patea	43	19.3	12.9	16.1	−1.1	22.5	18	9.0	2	37	3	−35	22	8	..
Ruatiti	354	21.1	9.5	15.3	..	25.5	2	4.7	7	78	8	..	21	13	..
Ohakune Junction	629	19.0	8.7	13.9	..	27.0	27	4.5	2	42	8	..	18	8	..
Karioi	648	19.6	7.9	13.8	−1.1	24.9	3	3.2	11	52	8	−29	25	13	..
Waiouru	823	18.4	7.1	12.8	−0.6	23.5	3	1.4	11	47	8	−34	25	13	..
Waiouru Military Camp	823	17.5	7.2	12.4	−0.7	22.2	3	2.0	11	58	7	−18	27	13	..
Ahu Ahu Valley	85	22.1	10.1	16.1	..	26.2	3	5.6	1	40	4	..	21	13	..
Taihape	433	21.4	8.4	14.9	−1.7	25.4	2	4.1	1	54	7	..	31	13	..
Kahui, Taihape	518	20.4	9.8	15.1	−1.5	..	..	6.4	1	47	4	..	29	13	..
Wanganui	22	20.5	12.9	16.7	−1.3	23.2	18	9.0	1	35	4	−29	21	13	193
Wanganui Airport	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Farewell Spit	3	21.1	11.2	16.2	−0.8	23.0	5	7.2	1	16	2	−63	15	13	..
Totaranui	10	22.1	11.1	16.6	..	27.0	4	6.5	6	6	1	..	6	13	..
Westport Airport	2	18.3	11.6	15.0	−1.0	22.0	17	8.3	16	60	10	−108	16	28	160
Cobb Dam	823	17.8	7.1	12.5	−1.3	25.8	2	3.5	11	23	7	−107	9	19	..
Arapito	20	19.0	11.0	15.0	..	23.5	18	7.5	1	65	11	..	25	6	146
Lake Rotoroa	443	20.5	9.5	15.0	..	26.0	3	4.7	6	29	11	..	5	5	..
Lake Rotoiti	634	20.7	7.4	14.1	−0.4	27.0	3	0.7	9	14	8	−93	4	4	..
Hokitika Airport	39	17.6	11.5	14.6	−0.8	23.5	17	7.4	1	92	14	−159	34	28	117
Punakaiki	9	17.4	12.5	15.0	..	21.7	17	10.2	16	76	15	..	16	6	..
Reefton	198	20.8	10.9	15.9	−0.5	27.7	17	6.8	16	37	12	−115	6	19	..
Barrytown	30	17.9	11.8	14.9	..	23.0	17	9.3	16	84	15	..	18	6	..
Totara Flat	77	20.6	11.2	15.9	−0.1	26.0	17	7.6	15	33	12	−112	5	6	..
Greymouth	4	17.2	11.8	14.5	−1.4	23.5	17	8.8	17	65	16	−138	13	28	94
Otira Substation	383	18.6	9.4	14.0	..	25.0	14	6.8	6	108	12	−309	19	4	..
Springs Junction	421	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pukekura	86	..	..	..	..	..	..	..	..	85	10	..	27	28	..
Hari Hari	45	19.1	10.7	14.9	−0.5	25.1	14	5.3	9	89	11	−295	21	28	..
Okarito	10	17.3	10.9	14.1	..	21.2	17	5.8	6	91	14	..	24	18	..
Franz Josef	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Franz Josef	155	18.0	10.0	14.0	..	24.2	14	6.5	9	167	14	..	37	3	65
Fox Glacier	152	17.7	10.0	13.9	..	23.8	17	5.6	6	168	14	−277	42	4	..
Milford Sound	3	17.4	9.3	13.4	−1.1	21.1	17	4.4	6	234	15	−335	41	28	..
Puysegur Point	43	14.8	9.6	12.2	..	22.9	2	6.8	22	94	21	−107	17	4	..
Stephens Island	187	17.8	12.7	15.3	..	21.2	17	8.9	22	11	3	−42	10	13	..
Riwaka, Motueka	8	22.0	10.2	16.1	−1.1	26.4	4	5.7	6	4	3	−95	3	13	231
Tapawera	146	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Crail Bay Pelorus Sd	13	20.6	12.8	16.7	..	26.0	4	7.7	6	3	2	..	2	8	..
Appleby	17	21.6	11.6	16.6	−0.9	27.1	4	8.6	6	1	2	−65	1	19	..
Nelson Airport	2	21.3	11.4	16.4	−0.7	28.2	4	4.9	9	6	5	−68	4	19	224
Rai Valley	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Moutere Hills	110	21.7	12.9	17.3	−0.4	27.1	4	9.3	6	3	4	−73	2	19	..
Blenheim Airport	27	22.6	10.5	16.6	−0.8	30.1	4	4.0	6	1	1	−47	1	8	..
Brancott Valley	64	22.8	9.7	16.3	..	29.6	24	3.2	6	1	1	..	1	8	..
Blenheim	4	22.6	10.6	16.6	−1.1	29.6	24	5.0	9	1	2	−42	1	8	216
Waihopai Power Station	262	22.7	9.2	16.0	−1.1	29.6	27	3.8	6	11	5	−53	6	8	..
Vernon Lagoons	2	21.7	9.5	15.6	−1.0	30.2	4	4.0	9	1	1	..	1	8	204
Lake Grassmere	2	19.6	12.0	15.8	−1.4	29.5	4	7.6	6	6	2	−32	4	8	181
Cape Campbell	3	18.9	13.0	16.0	−0.4	26.6	4	8.9	6	15	3	−28	8	8	..
Hanmer Forest	387	22.4	7.9	15.2	−0.5	32.9	2	2.0	6	25	10	−56	9	19	152
Molesworth	893	21.3	6.0	13.7	−0.2	28.6	2	−2.6	6	26	2	−20	13	18	..
Kaikoura Flats	24	19.2	9.0	14.1	..	29.5	4	3.5	13	34	9	..	10	8	..
Kaikoura	108	17.8	11.6	14.7	−1.6	26.2	4	8.6	6	19	8	−45	7	8	152
Arthurs Pass	738	16.6	7.4	12.0	..	22.0	26	2.7	9	64	10	−261	20	4	..
Balmoral Forest	198	22.9	9.9	16.4	+0.1	33.0	2	4.5	1	27	6	−24	11	8	..
Waiau	137	23.7	9.8	16.8	..	33.9	25	4.1	1	29	6	..	11	8	..
Cheviot	85	20.6	8.9	14.8	..	28.2	18	3.2	13	23	7	..	10	20	..
The Hermitage, Mt Cook	765	20.8	7.6	14.2	+0.2	27.7	2	1.8	6	98	9	−293	60	3	172
Mt John	1027	19.1	7.3	13.2	−0.3	28.2	2	2.2	6	6	2	−40	4	18	..
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	21.1	8.4	14.8	−0.7	31.5	2	3.3	6	6	6	−55	2	8	..
Highbank Power Station	336	19.8	7.9	13.9	−1.5	28.1	2	3.1	6	22	13	−59	7	20	153
Hororata Substation	192	21.8	8.1	15.0	−1.1	29.7	18	2.9	6	16	16	−50	5	20	..
Winchmore	160	20.2	9.2	14.7	−0.9	28.4	18	3.5	6	15	9	−49	5	20	..
Peel Forest	274	20.2	7.8	14.0	..	30.6	2	2.0	6	47	23	..	9	20	..
Ashburton	101	21.1	9.6	15.4	−1.2	29.8	2	5.0	6	12	8	−54	3	20	137
Waipara	64	21.9	..	..	..	28.9	2	..	..	17	5	..	7	5	..
Ashley Forest	107	19.4	9.3	14.4	−1.8	27.0	4	4.7	6	26	8	−40	8	18	156
Rangiora	46	19.9	9.9	14.9	−1.2	28.0	4	5.3	12	23	9	−28	7	18	..
Darfield	195	22.6	9.0	15.8	−0.7	30.6	18	4.5	6	18	10	−48	5	20	..
Eyrewell Forest	158	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Christchurch Airport	30	19.7	10.5	15.1	−1.4	28.9	4	5.1	6	12	13	−31	4	18	159

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for February 1983*—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Templeton	46	20.2	10.2	15.2	..	27.2	4	5.0	6	14	8	..	3	18	..
Christchurch	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bromley, Christchurch	9	19.1	11.9	15.5	−1.0	27.0	4	8.0	6	22	12	−24	5	20	..
Mt Pleasant	137	18.7	11.3	15.0	−1.5	25.5	4	8.3	6	29	9	−19	10	5	..
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Tekapo	683	21.3	7.6	14.5	−0.7	29.5	2	2.0	6	4	2	−39	3	18	..
Lake Pukaki	556	21.7	8.4	15.1	−0.6	31.2	2	2.9	6	6	4	..	4	24	..
Fairlie	304	20.4	7.0	13.7	..	28.4	2	..	..	13	7	..	5	20	..
Twizel	457	23.0	7.3	15.2	+0.1	32.0	2	1.5	6	9	8	..	5	24	..
Ikawai	70	19.4	8.4	13.9	−0.7	26.0	18	4.5	11	35	9	..	9	4	..
Geraldine	119	20.8	9.1	15.0	..	29.0	18	4.2	9	27	13	..	5	20	..
Orari Estate	81	20.4	8.8	14.6	−0.7	28.1	18	3.9	6	23	11	−51	7	24	..
Temuka	24	19.3	9.3	14.3	−1.1	25.8	18	4.0	6	27	11	−37	5	6	..
Timaru Airport	26	19.2	9.0	14.1	−1.1	26.1	18	4.5	9	18	11	−40	5	24	..
Adair	85	19.1	9.6	14.4	−1.0	26.7	18	6.0	6	24	14	−34	6	6	..
Timaru	17	18.7	10.2	14.5	−1.2	24.4	18	6.5	6	24	16	−34	6	6	147
Waimate	61	18.8	9.6	14.2	−1.7	25.7	18	7.4	5	22	9	−42	7	6	..
Kurow	207	21.1	9.2	15.2	..	28.9	2	5.8	9	18	11	..	6	18	..
Oamaru Airport	30	17.5	9.6	13.6	−1.1	23.7	18	6.0	5	25	10	−28	8	4	147
Knobs Flat	360	19.4	6.9	13.2	..	25.5	2	1.5	9	68	13	−87	23	4	..
Tara Hills, Omarama	488	22.7	8.0	15.4	+0.0	32.2	2	2.7	9	15	5	−41	9	18	208
Lake Hawea	350	20.9	..	..	..	25.4	2	..	..	9	3	−52	5	24	..
Wanaka	296	23.0	9.1	16.1	−0.5	29.7	2	4.0	9	6	4	−47	4	24	..
Queensberry	277	22.9	9.8	16.4	..	31.4	2	2.9	6	8	6	..	4	4	..
Bendigo	200	23.9	9.6	16.8	..	32.3	2	3.5	6	9	7	..	4	4	..
Naseby Forest	610	18.8	5.0	11.9	−1.5	30.5	2	1.0	22	40	10	−21	10	6	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	17.3	9.8	13.6	..	24.6	27	6.4	6	48	10	..	13	28	..
Ranfurly	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Herbert Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston	21	19.0	8.5	13.8	−0.1	29.2	27	4.0	25	45	11	..	13	28	147
Cherry Farm Hospital	6	18.7	9.0	13.9	−0.3	29.0	27	4.5	25	46	16	+3	12	28	..
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Invermay, Taieri	30	18.0	8.1	13.1	..	28.0	2	2.8	25	63	17	..	14	6	133
Berwick Forest	18	18.6	8.4	13.5	−0.9	28.1	2	4.2	22	70	14	+9	20	6	..
Dunedin Airport	1	18.5	7.7	13.1	−1.3	29.4	2	2.3	25	53	14	+5	16	6	138
Musselburgh, Dunedin	2	16.9	10.4	13.7	−1.3	28.0	27	6.5	22	65	14	+4	13	4	130
Te Anau	215	19.4	8.2	13.8	−0.1	25.4	17	1.5	22	26	9	−58	8	28	192
West Arm, Manapouri	232	17.0	8.4	12.7	−1.2	24.5	17	4.8	22	180	13	..	39	4	..
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	22.0	10.0	16.0	+0.4	31.0	2	5.8	9	22	9	−44	8	4	199
Queenstown Airport	349	20.1	8.6	14.4	−0.2	29.0	2	3.8	22	14	8	−43	6	4	..
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell	213	23.6	9.3	16.5	−0.7	32.8	2	4.2	6	9	7	−27	3	4	217
Northburn	210	23.3	9.6	16.5	..	32.5	2	4.0	6	8	7	..	3	4	..
Lauder	370	21.4	7.4	14.4	..	31.5	2	1.4	9	31	12	..	8	12	..
Clyde Dam	160	22.6	9.5	16.1	..	33.2	2	5.4	22	10	8	..	3	28	..
Ophir	305	21.6	6.9	14.3	−1.2	31.1	2	0.0	9	38	10	−5	17	4	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnscleugh	152	22.8	8.9	15.9	+0.0	35.2	2	1.5	22	9	10	−29	3	4	..
Roxburgh Power Station	110	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	19.2	8.8	14.0	..	29.1	2	3.5	22	124	13	+53	39	6	..
Mahinerangi Dam	396	16.2	6.7	11.5	−1.4	28.8	2	3.4	22	100	10	+21	32	6	..
Tapanui	226	17.5	7.5	12.5	−1.8	28.5	2	2.4	22	122	16	+51	31	6	..
Taieri Mouth	15	16.5	8.4	12.5	−0.9	26.3	27	3.5	25	59	10	−7	17	4	..
Tuatapere	27	17.6	8.2	12.9	..	29.6	2	2.7	22	94	18	..	35	6	..
Otautau	55	17.6	7.9	12.8	−1.1	29.6	2	0.5	22	87	12	+6	28	6	123
Winton	44	18.0	7.7	12.9	−1.5	30.0	2	1.4	22	95	13	+34	33	6	131
Gore	123	17.6	8.5	13.1	−1.3	29.4	2	4.0	22	104	16	..	29	6	131
Hokonui Forest	46	18.8	7.9	13.4	−1.1	29.3	2	1.1	22	107	13	+26	32	6	..
Woodlands	47	17.8	7.9	12.9	−1.2	28.9	2	1.4	22	102	18	..	27	6	..
Invercargill Airport	0	16.9	8.2	12.6	−0.9	29.8	2	1.0	22	84	16	+5	27	6	136
Tiwai Point, Bluff	5	16.3	9.5	12.9	−1.6	27.9	2	..	..	82	14	..	26	4	..
Stewart Island	3	15.4	8.5	12.0	..	22.8	2	3.0	25	68	24	..	15	4	..
Milton	18	17.9	7.7	12.8	−1.7	29.0	2	1.1	25	57	12	−1	16	6	..
Finegand, Balclutha	6	18.5	8.8	13.7	−0.6	27.0	2	2.6	25	55	13	..	13	4	127
Owaka	5	17.0	7.5	12.3	..	29.0	2	−0.7	25	54	14	..	16	4	..
Nugget Point	129	15.5	8.5	12.0	−1.2	24.7	27	4.8	5	65	17	−1	15	4	..
Tautuku	61	16.9	8.2	12.6	..	30.5	2	3.0	25	97	14	..	21	4	..
Nandi Airport, Fiji	19	32.1	22.8	27.5	+0.3	34.8	22	19.5	3	144	10	..	71	28	197
Rarotonga Airport	7	27.8	20.6	24.2	−1.8	29.6	5	16.4	19	20	6	−188	6	11	211
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Island	38	23.1	18.0	20.6	−1.8	25.1	27	15.6	7	134	9	−21	70	28	232
Campbell Island	15	10.3	4.8	7.6	−1.6	12.8	7	1.3	27	72	28	−42	18	2	90
Waitangi, Chatham Island	44	15.4	9.1	12.3	−2.5	17.5	28	6.2	4	37	13	−27	14	8	129

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for February 1983*—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Scott Base, Antarctica	16	−10.1	−17.6	−13.9	−3.3	0.7	5	−30.9	23	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Kerikeri M A F 01/1983	79	24.6	12.2	18.4	..	30.2	11	9.6	2	18	9	..	9	12	..
Umawera 01/1983	9	23.6	10.6	17.1	−1.3	29.5	11	5.2	28	43	12	−36	15	13	..
Tarawera Forest 11/1982	61	23.1	10.8	17.0	+2.4	30.0	8	1.7	14	34	4	−98	25	11	..
Waimihia Forest 01/1983	743	17.6	7.2	12.4	−1.9	26.8	11	0.5	21	79	16	−33	24	13	..
Huntly 12/1982	34	20.7	11.6	16.2	..	25.1	20	5.8	2	73	15	..	30	11	..
Huntly 01/1983	34	22.3	12.3	17.3	..	29.1	11	9.5	1	58	14	..	16	12	..
Taupiri 01/1983	23	22.2	11.0	16.6	..	30.0	11	5.0	3	80	20	..	20	12	..
Waingawa, Masterton 01/1983	114	22.6	10.2	16.4	−0.7	30.3	11	4.1	24	22	10	−42	5	13	..
Onepoto, Waikaremoana 01/1983	643	..	9.2	..	..	30.4	10	4.8	21	31	10	−119	11	26	..
Wharerata Forest 01/1983	439	20.5	10.2	15.4	..	25.7	10	5.0	2	31	5	..	9	13	..
Kapiti Island 08/1982	16	12.6	7.1	9.9	+0.2	14.7	5	3.7	17	52	11	−42	13	25	..
Kapiti Island 09/1982	16	13.4	7.9	10.7	−0.3	16.1	29	4.8	3	72	17	−12	20	4	..
Wharite Peak 12/1982	914	11.1	4.2	7.7	−2.4	16.8	19	−1.5	1	243	16	+35	56	21	..
Wharite Peak 01/1983	914	11.8	5.7	8.8	−2.6	20.0	12	2.0	1	137	24	−20	23	18	..
Kairanga Palmerston North 01/1983	15	19.3	11.2	15.3	−1.7	23.6	12	3.4	27	44	10	..	9	18	243
Palmerston North D S I R 01/1983	34	19.4	11.7	15.6	−1.7	24.3	12	5.5	27	60	15	−24	12	18	210
Tiritea 01/1983	100	18.8	11.1	15.0	..	23.5	12	5.6	27	66	14	..	18	25	..
Kapuni 11/1982	173	17.7	9.2	13.5	..	25.1	7	1.5	5	125	..	..	..	..	..
Kapuni 12/1982	173	..	8.7	..	..	..	..	0.9	2	151	17	..	40	11	..
Manaia Dem. Farm 12/1982	98	17.7	9.9	13.8	−1.1	23.2	10	1.2	2	123	21	+24	26	25	207
Manaia Dem. Farm 01/1983	98	18.6	11.4	15.0	−1.2	25.4	12	6.6	2	59	15	−20	17	12	245
Wanganui Airport 01/1983	9	19.9	12.6	16.3	..	22.8	4	7.4	1	57	13	..	14	18	..
Totaranui 01/1983	10	21.3	9.7	15.5	..	25.6	29	5.1	29	101	8	..	70	12	..
Westport Airport 01/1983	2	17.1	10.5	13.8	−1.9	19.0	3	6.1	21	251	22	+96	63	4	153
Franz Josef 01/1983	155	15.9	8.6	12.3	..	19.6	3	4.6	20	1002	25	..	192	11	74
Tapawera 01/1983	146	21.4	8.9	15.2	..	28.2	29	3.7	21	70	12	..	15	15	..
Crail Bay Pelorus Sd 01/1983	13	20.3	..	..	..	24.9	30	..	..	71	10	..	28	12	..
Craigieburn Forest 01/1983	914	17.1	5.4	11.3	−1.8	23.8	2	0.0	21	146	16	+44	28	15	..
Ashley Forest 01/1983	107	21.7	9.6	15.7	−0.5	30.4	10	4.8	1	15	6	−49	7	12	251
Akaroa 01/1983	3	21.8	9.9	15.9	..	31.5	10	4.5	20	65	8	..	25	19	..
Windsor 01/1983	88	20.0	9.1	14.6	..	29.6	10	4.6	20	71	11	..	50	12	..
Ranfurly 12/1982	427	17.4	5.7	11.6	..	25.6	17	−1.0	4	80	13	..	20	24	168
Invermay, Taieri 01/1983	30	19.4	8.7	14.1	..	30.0	10	3.7	20	101	20	..	72	12	139
Musselburgh, Dunedin 01/1983	2	18.0	10.2	14.1	−0.9	29.7	10	5.2	23	99	18	+25	72	12	139
Borland Burn 10/1982	183	13.2	1.1	7.2	..	19.5	28	−6.0	19	193	28	..	49	24	..
Ophir 12/1982	305	19.3	5.9	12.6	−1.8	25.1	17	−1.2	14	69	14	+23	20	24	..
Ophir 01/1983	305	19.9	6.7	13.3	−2.6	28.2	10	−0.2	24	19	11	−34	4	12	..
Moa Creek 12/1982	427	..	..	..	..	..	..	..	..	66	11	+25	27	24	..
Moa Creek 01/1983	427	..	..	..	..	..	..	..	..	33	12	−20	6	12	..
Deep Stream 12/1982	396	15.7	5.1	10.4	..	25.0	17	−2.1	4	104	20	..	32	24	..
Rarotonga Airport 01/1983	7	29.3	22.0	25.7	−0.1	31.0	17	18.0	7	38	12	−221	20	12	201
Totokoitu, Rarotonga 01/1983	9	28.1	21.8	25.0	..	30.3	27	17.3	6	49	11	..	18	12	..

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 IN FEBRUARY 1983

General—February was a cool month, with below average rainfalls everywhere except Southland and South Otago.

South-westerly winds were more frequent than usual this month, with Auckland having its highest frequency of winds from this quarter for February since 1965 and Invercargill its greatest number for February since 1972. There were also more strong winds than usual at Invercargill. Farmers in the North Island and the north of the South Island reported poor grass growth due to the dry weather this month.

Horticulture was also affected, with orchardists in many areas reporting small-sized fruit this year. Apiarists in the south of the country had a poor season due to cool windy conditions, and honey production was well down. The very dry conditions in the North Island meant that fire bans were continued in many areas. An extensive scrub and grassland fire burned for 3½ days between the 4th and 8th in central North Island, burning 350 square kilometres and involving 600 fire fighters.

Rainfall—Rainfall for the whole country was below normal, with the exception of Southland and coastal South Otago, where rainfall was normal or slightly above normal. Apart from areas of Nelson and Marlborough the rest of the South Island had between 10 and 50 percent of normal rainfall. Parts of Nelson and Marlborough were without rain this month. Among those stations recording nil rainfall were Havelock, Grovetown, Picton, and Queen Charlotte College, while Onamalutu and Linkwater had less than one millimetre. The North Island was also very dry.

Apart from some areas of Wanganui and Central Districts and in Whangarei where about 80 percent of normal rainfall was recorded, the rest of the North Island had less than half the usual February rainfall. Areas around East Cape and Gisborne were particularly dry, with less than 10 percent of normal rainfall recorded at many stations.

Temperatures—Mean temperatures were about 1°C below normal over the whole country this month, with the exception of Cape Reinga and Mount Cook, where they were normal.

There were several particularly cool periods, including the 5th–6th, when mean temperatures were 3°C–6°C lower than average in the South Island and 2°C to 4°C lower in the North Island. Temperatures everywhere were 3°C–7°C below average during the 8th and 9th.

There was only one notably mild period, the 2nd and 3rd when maximum temperatures were especially high in Otago and Southland. Earnscleugh recorded 35.2°C on the 2nd (the highest for February since recording began in 1948), and Invercargill 29.8°C—its highest for February since 1949. Mean temperatures were generally normal or above between the 16th and 18th and again during the last few days of the month.

Sunshine—Sunshine hours were normal or above normal in eastern, southern and some central areas of the North Island and in Nelson but were below normal elsewhere. Auckland and Invercargill were particularly dull. Auckland recorded only 147 hours of sunshine (its second lowest for February since records began in 1963) and Invercargill 136 hours—its lowest for February since 1961 and the 3rd lowest for the month since recording began in 1932.

Among those stations with the greatest departures this month were: Auckland City (−53 hours), Hokitika (−58 hours), Oamaru (−33 hours) and Dunedin (−28 hours).

THE WEATHER SEQUENCE—FEBRUARY 1983

1–7 February

A large anticyclone, centred near Lord Howe Island and covering the Tasman Sea, brought fine, cool weather to all New Zealand on the 1st and fine, milder weather to most districts on the 2nd and 3rd. The position of the anticyclone to the north-west of New Zealand resulted in a south-westerly flow over the country and a series of fronts within this flow crossed the South Island, bringing showers to southern and western areas on the 3rd, 4th, 6th, and 7th and to central districts on the 5th. The weather in the rest of the country continued to be fine, though rather cool, throughout this period.

8–14 February

A broad trough crossed the country during the 8th and 9th. Fronts within this trough brought rain to the north and west of the South Island and to all the North Island except coastal areas of Gisborne and Hawke's Bay on the 8th and light showers to isolated western areas on the 9th. The anticyclone, although it had weakened, still remained centred close to Lord Howe Island and by the 11th it had extended a ridge onto New Zealand. The weather became fine and cool during the 11th and 12th.

A front began to move onto the south of the South Island during the 12th and became slow moving over the North Island during the 13th and 14th. There were showers in the south of the North Island on the 13th and in the north on the 14th. The weather was fine elsewhere as a belt of high pressure covered the country.

15–21 February

The belt of high pressure still covered the country on the 15th, with centres to the east and west of the South Island. Apart from showers in Northland, the weather was fine during the 15th and 16th. The high pressure belt began to move away to the east on the 17th and a trough in the southern Tasman Sea approached the South Island. There were showers in the south-west of the South Island on the 17th, becoming more widespread in the South Island on the 18th and 19th as the trough crossed the country and weakened. By the 20th a belt of high pressure had again developed over the South Island, with the weather becoming generally fine and cool apart from isolated showers in some eastern areas on the 21st.

22–28 February

A large anticyclone developed over New Zealand on the 22nd, with centres to the east and west of the country. This remained over New Zealand until the 24th, bringing fine weather to all areas, apart from isolated showers in Fiordland and South Westland. On the 24th a front, moving within the anticyclone, began to cross New Zealand, and rain fell in southern and western areas of the South Island and some south-western areas of the North Island.

The front had weakened considerably by the 25th and the showers cleared. On the 27th a second front moved onto the south of the South Island, with showers in Fiordland and Southland on the 27th, spreading into Westland and Otago on the 28th. All other areas had fine weather due to the continued presence of the anticyclone over the country.

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J. S. HICKMAN, Director.

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