

MAPPING



SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 16 JUNE 1983

Published by Authority

WELLINGTON: FRIDAY, 17 JUNE 1983

CLIMATOLOGICAL TABLE

FOR APRIL 1983

NEW ZEALAND METEOROLOGICAL SERVICE

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

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
Cape Reinga	191	19.9	14.3	17.1	+0.4	23.8	3	10.1	11	178	18	+81	28	19	..
Kaitaia Airport	80	20.4	13.8	17.1	+0.4	24.3	3	8.0	1	221	17	+102	53	26	119
Aupouri Forest	69	20.1	..	..	..	23.2	3	..	..	249	15	+133	55	27	..
Kaitaia	8	21.2	13.0	17.1	..	24.2	3	5.8	1	230	13	..	65	26	..
Kerikeri M A F	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kerikeri Downs	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kerikeri Aerodrome	150	19.7	12.2	16.0	..	24.2	2	7.9	29	203	19	..	43	18	..
Umawera	9	21.0	11.4	16.2	+0.0	26.0	3	4.0	1	145	16	+5	51	26	..
Kaikohe	204	18.8	12.3	15.6	-0.1	22.6	2	7.7	5	162	16	..	39	18	89
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	20.1	11.1	15.6	+0.2	24.0	14	4.0	11	177	17	+27	55	26	..
Dargaville	20	20.3	11.9	16.1	+0.4	24.4	14	3.5	11	129	12	+25	33	26	100
Waitangi Forest	55	20.1	12.9	16.5	-0.2	23.5	3	7.3	26	198	17	+76	36	18	89
Glenbervie Forest	107	19.6	11.3	15.5	+0.9	23.6	2	4.1	29	192	19	+22	48	18	..
Whangarei Airport	37	20.2	12.9	16.6	+0.3	25.2	3	7.6	29	128	17	-4	26	26	..
Whangarei	29	20.8	11.9	16.4	+0.3	25.9	2	6.1	29	120	18	..	27	26	99*
Marsden Power Station	3	20.9	13.0	17.0	+0.1	26.6	3	7.0	29	105	23	..	21	26	..
Poua	97	19.7	13.4	16.6	..	24.3	14	9.4	11	132	12	..	33	26	..
Leigh	27	19.5	14.8	17.2	+0.4	22.2	3	9.1	10	135	14	+36	30	7	120
Warkworth	72	19.2	11.4	15.3	+0.0	22.3	14	5.8	29	131	15	..	31	7	..
Oyster Point	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Woodhill Forest	30	19.5	11.9	15.7	+0.3	24.7	14	5.2	29	140	16	+28	45	7	..
Riverhead Forest	28	19.5	10.5	15.0	-0.2	23.3	15	4.0	29	122	15	+0	42	7	..
Kumeu	32	19.4	10.5	15.0	..	23.4	14	2.7	12	126	18	..	40	7	..
Whenuapai	26	19.6	11.7	15.7	+0.5	23.5	2	4.8	29	119	16	+2	42	7	..
Albert Park, Auckland	49	19.5	13.5	16.5	-0.1	22.7	2	8.2	11	115	16	+1	43	7	108*
Owairaka, Auckland	41	19.5	12.5	16.0	+0.4	22.5	2	6.0	30	117	15	-2	45	7	..
Port Fitzroy	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Little Barrier Island	2	20.1	14.1	17.1	..	22.4	2	10.2	11	201	17	+64	48	18	..
Coromandel	43	19.9	11.9	15.9	..	24.7	15	3.5	11	221	21	..	40	7	..
Whangapoua Forest	4	19.8	11.3	15.6	+0.6	24.3	3	3.4	11	309	21	+144	74	19	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	19.2	11.3	15.3	+0.2	24.2	3	2.7	29	281	19	+111	84	19	..
Paeroa	4	20.0	10.5	15.3	+0.8	24.2	15	1.2	29	138	17	+16	26	8	..
Waihi	91	18.6	10.2	14.4	+0.0	23.4	2	-0.1	29	206	20	+13	53	19	83
Te Aroha	18	19.8	11.2	15.5	+0.4	23.7	15	2.9	11	148	20	+21	42	8	..
Katikati	2	19.4	10.6	15.0	..	22.3	16	1.6	29	231	18	..	96	19	..
Tauranga	2	19.0	12.2	15.6	+0.1	21.5	22	5.5	29	205	18	..	71	19	..
Tauranga Airport	4	18.9	11.2	15.1	+0.1	21.2	2	4.2	29	188	17	+74	63	19	101
Te Puke	91	18.5	10.0	14.3	-0.3	21.6	22	2.7	29	293	18	..	71	19	100
Rotoehu Forest	72	18.6	9.1	13.9	+0.3	20.9	16	-0.5	29	272	17	+140	60	8	..
Whakatane	2	19.7	10.4	15.1	+0.1	23.0	16	4.0	29	165	14	+58	37	8	114
Whakatane Airport	6	19.1	9.6	14.4	..	22.1	3	1.5	29	147	14	..	31	19	..
Te Kaha	6	19.8	13.4	16.6	..	22.8	14	6.6	29	187	14	..	42	8	..
Port Ohope	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kinleith	383	16.6	8.7	12.7	+0.3	19.4	21	0.5	29	139	16	+41	37	26	..
Tikitere	338	16.7	9.9	13.3	..	19.9	21	2.4	29	199	17	..	46	8	..
Kawerau	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Teko	8	20.6	9.7	15.2	+0.5	24.8	18	2.4	29	182	16	+58	38	19	97
Rotorua Airport	287	17.2	9.6	13.4	+0.2	21.1	21	0.6	29	151	19	+32	45	8	107
Waiotapu Forest	435	16.3	8.0	12.2	+0.5	21.2	15	-2.0	29	175	18	+63	34	26	..
Atiamuri Power Station	253	18.2	7.8	13.0	+0.4	21.1	21	-1.0	29	126	17	+19	36	26	..
Kaingaroa Forest	544	15.4	6.9	11.2	-0.3	18.7	21	-2.6	29	171	15	+57	32	26	..
Murupara	198	18.1	8.4	13.3	..	21.6	21	-1.0	29	147	15	+53	29	19	..
Wairapukao Forest	437	16.4	5.9	11.2	+0.2	20.2	21	-2.4	12	129	16	+25	28	26	..
Taupo	376	17.1	8.0	12.6	+0.2	20.8	21	-1.3	29	93	16	+2	24	26	107
Wairakei Power Station	342	17.5	8.1	12.8	+0.2	21.2	2	-1.3	29	91	16	-8	27	26	..
Wairakei Research Station	402	17.9	7.0	12.5	+0.7	21.9	18	-2.9	29	97	15	+0	28	26	..
Minginui Forest	366	16.7	7.4	12.1	+0.6	..	..	-3.7	29	137	13	+28	33	26	..
Taupo Airport	407	16.7	8.2	12.5	..	20.4	2	-2.7	29	81	15	..	18	26	..
Waimihia Forest	743	13.3	6.3	9.8	+0.1	16.0	21	-3.0	29	159	16	+27	31	3	..
Opotiki	6	19.4	11.4	15.4	+0.6	22.7	3	4.8	29	201	13	+84	44	19	107
Waimana	37	19.2	9.3	14.3	+0.3	23.0	21	1.5	29	185	14	+40	45	8	..
Mangere, Auckland	4	19.4	12.7	16.1	+0.4	22.2	2	5.3	29	105	16	-4	32	7	90
Otara, Auckland	12	19.8	11.5	15.7	+0.5	23.4	2	3.0	11	123	17	+16	45	7	..
Auckland Airport	8	19.5	12.8	16.2	+0.2	22.8	2	7.6	12	113	16	+6	33	7	99
Ardmore	30	19.6	11.2	15.4	+0.2	22.5	22	3.2	29	131	15	+17	46	7	..
Pukekohe	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maioro Forest	52	19.6	11.4	15.5	+0.0	22.6	14	4.1	29	120	13	+6	31	7	..
Hunua	122	19.0	10.5	14.8	..	21.6	14	1.9	11	126	17	..	33	26	..
Maramarua Forest	38	19.2	9.7	14.5	+0.4	23.5	2	0.7	11	121	19	+4	28	26	..
Te Kauwhata	32	19.3	9.9	14.6	-0.1	22.6	14	2.6	29	123	21	+21	33	8	94
Huntly	34
Taupiri	23	19.6	9.1	14.4	..	22.4	14	0.7	11	129	15	..	29	26	..

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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		Hrs	
Manaia Dem. Farm	98	..	..	..	..	..	..	..	..	..	..	..	..	..
Normanby	122	16.6	9.1	12.9	..	20.3	2	0.1	29	81	21	..	20	26	
Patea	43	17.3	11.1	14.2	-0.1	21.0	14	2.5	29	108	12	-4	41	21	
Ruatiti	354	16.7	6.9	11.8	..	20.2	8	-2.0	29	182	16	..	43	26	
Ohakune Junction	629	15.0	6.5	10.8	..	18.1	21	-2.0	29	119	17	..	33	26	
Karioi	648	15.8	5.9	10.9	+0.5	20.3	8	-2.8	29	86	15	-3	25	26	
Waiouru	823	14.6	..	..	..	19.0	8	..	..	59	16	-27	18	26
Waiouru Military Camp	823	13.7	4.8	9.3	+0.4	17.8	15	-4.2	29	63	20	-16	18	26	
Ahu Ahu Valley	85	18.4	8.5	13.5	..	22.5	18	0.8	29	80	16	..	21	26	
Taihape	433	17.2	6.4	11.8	+0.7	21.1	15	-3.6	29	62	18	..	20	26	
Kahui, Taihape	518	..	..	..	..	..	..	..	..	..	..	..	..	..
Wanganui	22	18.1	10.7	14.4	+0.1	22.5	18	3.0	29	67	13	-7	16	2	
Wanganui Airport	9	18.0	10.3	14.2	..	22.5	14	3.2	29	59	13	..	14	21	
Farewell Spit	3	17.4	10.3	13.9	+0.3	19.5	8	3.3	10	138	15	+36	42	26	
Totaranui	10	17.3	8.9	13.1	..	21.0	25	4.8	10	375	11	..	146	14	
Westport Airport	2	15.9	9.1	12.5	-0.4	20.6	21	3.3	10	277	18	+86	77	14	
Cobb Dam	823	13.0	4.3	8.7	-0.2	18.3	12	-0.5	5	264	13	+76	140	14	
Arapito	20	17.5	8.3	12.9	..	21.8	15	2.5	10	301	16	..	136	14	
Lake Rotoroa	443	14.6	4.8	9.7	..	19.2	15	-0.4	11	243	13	..	118	14	
Lake Rototoi	634	14.1	4.0	9.1	+0.0	18.2	12	-2.1	11	230	14	+88	106	14	
Hokitika Airport	39	15.8	7.9	11.9	-0.1	19.7	21	2.2	10	389	17	+155	115	6	
Punakaiki	4	17.3	10.7	14.0	..	21.6	21	6.4	9	276	20	..	67	14	
Reefton	198	16.6	5.6	11.1	-0.1	20.0	15	-0.6	11	237	18	+62	62	26	
Barrytown	30	16.8	10.3	13.6	..	20.0	15	5.0	9	358	18	..	80	14	
Totara Flat	77	17.1	5.8	11.5	+0.0	22.0	15	-0.7	11	188	14	+20	53	14	
Greymouth	4	16.2	8.6	12.4	-0.5	21.1	21	3.8	11	277	15	+61	59	26	
Otira Substation	383	14.5	5.2	9.9	..	17.8	15	1.0	9	532	19	+113	112	14	
Springs Junction	421	..	..	..	..	..	..	..	..	..	..	..	..	..
Pukekura	86	15.9	5.8	10.9	..	21.2	21	-0.5	10	423	14	..	127	6	
Hari Hari	45	16.3	6.2	11.3	+0.1	21.0	22	-0.5	10	478	15	+186	146	6	
Okarito	10	15.8	7.8	11.8	..	18.7	15	2.0	9	437	15	..	139	6	
Franz Josef	122	..	..	..	..	..	..	..	..	..	..	..	..	..
Franz Josef	155	15.7	7.4	11.6	..	20.3	15	2.0	9	598	18	..	189	6	
Fox Glacier	152	16.0	6.9	11.5	..	21.0	15	0.7	9	426	15	+34	139	6	
Milford Sound	3	14.4	5.2	9.8	-1.2	19.2	6	0.8	5	367	19	-159	91	6	
Puysegur Point	43	13.1	7.6	10.4	..	21.2	6	3.4	4	184	23	-29	46	7	
Stephens Island	187	14.8	11.2	13.0	..	17.5	3	..	..	64	14	-2	19	26
Riwaka, Motueka	8	17.6	7.0	12.3	-0.5	23.4	15	1.2	10	234	12	+107	113	14	
Tapawera	146	17.5	5.8	11.7	..	21.5	15	-0.7	11	177	12	..	99	14	
Craig Bay Pelorus Sd	13	16.5	10.9	13.7	..	20.5	25	6.7	11	376	15	..	140	14	
Appleby	17	17.4	8.5	13.0	-0.2	20.2	8	3.2	10	185	12	+99	66	14	
Nelson Airport	2	17.0	7.8	12.4	-0.1	20.1	3	2.3	13	174	11	+85	77	14	
Rai Valley	79	17.1	..	..	..	21.8	25	..	..	480	11	+315	205	14
Moutere Hills	110	16.6	9.8	13.2	-0.2	19.6	8	5.8	29	177	11	+78	70	14	
Blenheim Airport	27	18.2	8.4	13.3	+0.4	22.5	13	1.1	10	148	9	+87	68	14	
Brancott Valley	64	18.2	6.8	12.5	..	23.0	13	-0.2	11	150	9	..	71	14	
Blenheim	4	19.1	7.8	13.5	+0.4	25.6	8	1.0	11	115	8	+62	54	14	
Waihapai Power Station	262	17.4	6.3	11.9	-0.3	25.4	13	0.5	10	122	9	+46	45	14	
Vernon Lagoons	2	18.2	7.4	12.8	+0.3	23.0	3	-0.5	10	86	7	..	39	14	
Lake Grassmere	2	17.3	9.5	13.4	+0.2	22.0	2	3.5	30	61	8	+15	22	14	
Cape Campbell	3	16.0	11.0	13.5	+0.3	19.4	3	7.0	30	53	9	+0	20	22	
Hamner Forest	387	16.9	4.9	10.9	+0.2	23.5	12	-2.4	11	101	12	+2	29	15	
Molesworth	893	14.5	1.7	8.1	-0.4	23.0	13	-3.1	29	92	12	+34	32	14	
Kaikoura Flats	24	16.4	6.4	11.4	..	22.6	12	-2.5	9	102	12	..	40	21	
Kaikoura	108	15.9	9.4	12.7	-0.1	24.2	14	5.5	29	92	14	+18	36	22	
Arthurs Pass	738	11.7	3.4	7.6	..	15.0	14	-1.5	4	463	15	+135	90	14	
Culverden	174	17.6	5.8	11.7	..	25.4	13	-1.5	11	63	11	..	17	2	
Balmoral Forest	198	17.4	5.9	11.7	+0.6	25.7	13	-1.6	11	58	14	-3	14	15	
Waiuu	137	18.5	5.9	12.2	..	27.1	7	-1.5	11	70	8	..	18	15	
Cheviot	85	18.0	6.5	12.3	..	26.4	7	-2.0	10	98	16	..	30	21	
The Hermitage, Mt Cook	765	13.0	3.7	8.4	-0.6	20.4	11	-1.2	10	419	17	+79	80	6	
Mt John	1027	11.9	3.3	7.6	-0.9	20.8	12	-2.5	9	82	13	+31	46	26	
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	16.1	5.1	10.6	+0.0	23.7	14	0.0	10	95	13	+19	34	26	
Highbank Power Station	336	15.0	6.7	10.9	-0.2	21.1	20	0.5	9	118	14	+27	26	15	
Hororata Substation	192	17.4	5.8	11.6	+0.6	27.6	7	-1.6	11	112	18	+43	28	21	
Winchmore	160	16.0	6.1	11.1	+0.3	24.1	7	-0.5	17	122	14	+56	29	26	
Peel Forest	274	15.6	4.7	10.2	..	24.6	7	-0.4	10	214	20	..	55	30	
Ashburton	101	16.7	6.2	11.5	-0.2	26.9	7	0.2	29	110	12	+44	39	26	
Waipara	64	17.6	7.9	12.8	..	25.6	7	0.4	29	70	13	..	20	15	
Ashley Forest	107	16.7	7.0	11.9	-0.2	26.9	12	1.5	29	91	15	+17	26	21	
Rangiora	46	17.0	6.6	11.8	+0.1	27.5	12	-1.0	11	77	16	+24	20	21	
Darfield	195	17.2	6.7	12.0	+0.5	24.4	12	1.4	29	110	11	+41	28	21	
Eyrewell Forest	158	17.3	6.1	11.7	+0.5	26.4	7	-1.6	11	91	13	+20	26	21	
Christchurch Airport	30	16.7	6.7	11.7	+0.0	26.8	12	-0.2	11	93	15	+37	24	27	
Templeton	46	16.9	7.1	12.0	1.0	11	97	14	..	27	21	
Christchurch	7	17.3	7.4	12.4	+0.2	27.0	7	2.1	11	107	13	+49	32	27	

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Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm	mm		
Bromley, Christchurch	3	
Mt Pleasant	137	16.2	9.2	12.7	-0.2	25.0	12	5.0	10	117	14	+59	30	27	
Lincoln	11	16.5	6.9	11.7	+0.2	26.4	12	1.4	11	101	16	+43	24	21	
Akaroa	3	17.6	6.8	12.2	..	26.0	7	1.0	11	133	11	..	33	27	
Lake Tekapo	683	13.7	3.3	8.5	-1.2	23.0	12	-2.5	10	73	12	+20	39	26	
Lake Pukaki	556	..	..	..	..	..	..	..	..	..	..	..	..	..
Fairlie	304	16.0	3.3	9.7	..	26.0	7	-3.2	10	105	11	..	33	26	
Twizel	457	15.0	2.2	8.6	-0.9	23.0	12	-5.6	10	95	14	..	36	26	
Ikawai	70	16.0	4.9	10.5	+0.0	25.5	7	-2.0	10	96	9	..	31	26	
Geraldine	119	16.5	5.1	10.8	..	26.3	7	0.0	10	157	13	..	45	26	
Orari Estate	81	16.2	5.3	10.8	+0.4	28.2	25	0.0	11	155	17	+89	40	21	
Temuka	24	16.4	5.4	10.9	-0.2	28.5	7	0.1	11	122	14	+69	34	26	
Timaru Airport	26	16.0	5.2	10.6	-0.2	27.6	7	-0.1	10	95	13	+49	31	26	
Adair	85	15.5	6.7	11.1	-0.3	26.7	7	2.3	10	105	14	+57	34	26	
Timaru	17	15.2	6.4	10.8	-0.7	27.5	7	1.2	10	116	14	+68	34	26	
Waimate	61	15.9	6.2	11.1	-0.8	26.5	7	1.0	10	107	11	+54	42	26	
Kurow	207	16.2	5.5	10.9	..	24.1	7	-0.7	10	82	13	..	31	26	
Oamaru Airport	30	15.2	5.7	10.5	-0.2	24.8	7	-0.6	10	56	12	+15	24	26	
Knobs Flat	360	12.9	3.3	8.1	..	19.2	6	-3.2	10	127	14	-94	27	6	
Tara Hills, Oamarua	488	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Hawea	350	14.1	5.7	9.9	-1.1	19.5	6	-0.6	10	132	11	+74	32	26	
Wanaka	296	15.1	4.5	9.8	-1.5	20.1	6	-2.2	10	103	12	+52	29	26	
Queensberry	277	15.3	5.4	10.4	..	21.2	6	-1.7	10	104	14	..	27	14	
Bendigo	200	15.9	4.8	10.4	..	23.5	6	-2.0	5	89	12	..	24	14	
Naseby Forest	610	..	..	..	..	..	..	..	..	..	..	..	..	..
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..
Oamaru	5	15.9	6.3	11.1	..	27.4	13	0.0	10	111	12	..	46	26	
Ranfurlly	427	..	..	..	..	..	..	..	..	..	..	..	..	..
Herbert Forest	61	15.6	4.1	9.9	-0.8	26.7	7	-0.4	10	115	12	+59	52	26	
Palmerston	21	15.6	4.7	10.2	+0.3	25.3	7	-2.6	11	99	11	..	39	26	
Cherry Farm Hospital	6	14.9	4.8	9.9	-0.9	25.0	7	-0.5	10	80	14	+24	28	26	
Taiaroa Head	72	13.2	7.1	10.2	-0.8	23.4	7	4.8	9	74	14	+10	23	26	
Invermay, Taieri	30	14.6	4.8	9.7	..	24.2	7	-2.4	11	103	21	..	28	14	
Berwick Forest	18	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Airport	1	15.0	3.8	9.4	-0.9	24.6	6	-2.8	4	65	16	+9	18	14	
Musselburgh, Dunedin	2	13.8	7.0	10.4	-1.0	25.0	7	2.8	29	78	17	+4	25	14	
Te Anau	215	14.2	5.1	9.7	+0.2	23.0	6	-1.7	4	57	10	-42	18	6	
West Arm, Manapouri	232	11.3	5.2	8.3	-0.9	18.3	6	-0.2	4	274	16	..	72	6	
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	14.5	5.0	9.8	-0.7	21.3	6	0.3	10	72	11	+1	15	6	
Queenstown Airport	349	13.8	2.9	8.4	-1.3	22.0	6	-2.2	10	73	12	+14	16	14	
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..
Cromwell	213	15.5	3.7	9.6	-1.2	23.0	6	-2.5	10	75	13	+42	24	14	
Northburn	210	15.7	4.4	10.1	..	22.7	6	-1.7	10	71	14	..	22	14	
Lauder	370	14.3	3.6	9.0	..	21.4	6	-3.5	10	106	14	..	37	26	
Clyde Dam	160	15.7	4.1	9.9	..	24.8	6	-0.9	10	88	13	..	28	26	
Ophir	305	15.0	2.4	8.7	-0.7	22.1	6	-5.1	4	102	9	+72	30	14	
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnsclough	152	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde	171	15.7	3.6	9.7	..	24.7	6	-3.5	10	86	15	..	27	26	
Roxburgh Power Station	110	15.3	4.3	9.8	-1.1	25.0	6	-2.0	4	55	10	+17	19	26	
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..
Beaumont	46	15.1	3.7	9.4	..	24.0	6	-1.7	10	54	20	-37	15	26	
Mahinerangi Dam	396	12.5	3.9	8.2	-0.4	20.5	7	-1.5	4	77	14	-4	18	26	
Tapanui	226	13.8	4.4	9.1	-1.2	22.0	6	-0.7	5	59	15	-20	11	26	
Taieri Mouth	15	13.5	5.1	9.3	-1.0	24.2	7	0.7	11	56	11	-13	16	26	
Tuatapere	27	14.2	4.7	9.5	..	23.7	6	-1.0	4	97	18	..	13	1	
Otautau	55	13.8	3.7	8.8	-1.3	24.2	6	-3.1	5	101	14	-1	16	7	
Winton	44	13.7	3.8	8.8	-1.8	23.5	6	-2.0	4	68	14	-6	14	13	
Gore	123	13.5	4.5	9.0	-0.9	22.5	6	-2.0	10	53	18	..	10	13	
Hokonui Forest	46	14.1	4.5	9.3	-1.2	23.9	6	-2.5	23	54	12	-43	11	13	
Woodlands	47	13.6	4.7	9.2	-0.9	22.8	6	-1.9	4	72	22	..	12	8	
Invercargill Airport	0	13.4	4.6	9.0	-1.0	23.3	6	-2.0	4	89	20	-15	13	7	
Tiwai Point, Bluff	5	13.1	6.4	9.8	-1.1	22.6	6	1.0	4	112	21	..	24	2	
Stewart Island	3	12.6	6.1	9.4	..	21.5	6	-0.4	4	165	27	..	26	2	
Milton	18	14.0	3.6	8.8	-1.3	24.0	7	-2.1	11	47	13	-17	12	8	
Finegand, Balclutha	6	14.4	4.9	9.7	-0.5	22.7	7	0.0	4	31	12	..	9	26	
Owaka	5	13.7	3.8	8.8	..	22.1	7	-2.4	5	41	14	..	12	26	
Nugget Point	129	12.8	6.2	9.5	-0.6	20.1	7	2.8	12	45	18	-31	9	26	
Tautuku	61	13.6	5.8	9.7	..	23.4	6	0.8	5	69	15	..	19	2	
Nandi Airport, Fiji	19	31.9	20.9	26.4	+0.4	32.9	4	18.8	22	22	7	..	8	1	
Rarotonga Airport	7	28.1	22.6	25.4	+0.3	29.5	1	19.2	14	82	25	-101	17	6	
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Island	38	23.3	18.4	20.9	+0.2	24.6	5	16.3	9	53	16	-71	20	27	
Campbell Island	15	8.9	4.7	6.8	-0.3	12.7	6	0.0	16	108	26	-14	28	11	
Waitangi, Chatham Island	44	14.2	9.6	11.9	-0.5	17.6	2	3.9	29	87	16	-2	29	27	
Scott Base, Antarctica	16	-13.6	-22.9	-18.3	+6.0	-4.4	30	-32.6	7	..	..	..	..	..

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

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sunshine	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
LATE RETURNS AND CORRECTIONS															
Kaikōhe 03/1983	204	22.0	14.1	18.1	+0.5	26.2	15	7.9	31	66	9	..	34	19	178
Dargaville 03/1983	20	23.0	14.4	18.7	+0.9	33.5	14	5.1	31	37	13	-42	11	19	134
Marsden Power Station 03/1983	3	23.6	15.3	19.5	+0.4	27.6	15	8.3	31	93	19	..	22	31	..
Thames 10/1982	3	16.6	9.5	13.1	-1.5	20.0	30	5.3	21	84	22	-25	36	18	159
Thames 11/1982	3	20.9	13.3	17.1	+0.8	24.3	27	8.8	14	32	11	-62	8	11	165
Thames 12/1982	3	..	13.1	..	..	25.0	20	7.3	1	40	12	-54	11	11	..
Thames 01/1983	3	22.6	14.7	18.7	-0.7	29.4	11	8.9	2	48	12	-18	19	19	..
Thames 02/1983	3	22.5	15.0	18.8	-1.1	25.5	24	12.0	1	42	8	-52	24	14	..
Thames 03/1983	3	22.6	15.5	19.1	+0.7	25.2	10	9.2	4	67	16	-30	40	13	..
Te Teko 03/1983	8	26.7	11.4	19.1	+1.5	32.1	9	3.7	31	46	9	-86	29	13	214
Huntly 03/1983	34	22.6	14.1	18.4	..	27.3	11	7.6	4	42	13	..	14	13	..
Whatawhata 03/1983	104	21.8	13.3	17.6	+0.8	31.3	13	4.6	18	101	15	-8	33	16	146
Rukuhia 03/1983	66	22.9	..	..	..	28.6	11	..	..	54	13	-32	20	16	153
Hamilton Airport 03/1983	50	23.0	11.4	17.2	+0.8	28.8	11	1.9	4	54	11	-30	20	16	..
Port Taharoa 12/1982	27	19.3	13.8	16.6	-1.0	22.1	10	6.7	1	92	..	..	..	..	..
Port Taharoa 01/1983	27	20.3	14.2	17.3	-1.2	23.6	12	11.0	1	68	..	..	..	..	..
Port Taharoa 02/1983	27	21.0	14.7	17.9	-1.1	26.2	16	12.5	27	17	..	..	..	..	..
Port Taharoa 03/1983	27	21.2	15.0	18.1	+0.0	26.1	13	8.4	4	30	..	..	..	..	..
Lower Retaruke 01/1983	223	21.0	9.0	15.0	-1.9	28.7	10	3.4	24	129	17	..	34	18	..
Lower Retaruke 02/1983	223	22.3	10.5	16.4	-0.6	26.7	2	3.9	6	64	6	..	24	13	..
Lower Retaruke 03/1983	223	21.2	10.2	15.7	+0.1	26.9	11	0.6	18	60	15	..	19	24	..
Esk Forest 03/1983	427	22.3	11.4	16.9	+1.9	29.0	9	0.0	31	24	4	-111	13	11	..
Kapiti Island 10/1982	16	15.0	8.6	11.8	-0.7	18.0	30	5.5	17	75	13	-24	18	29	..
Kapiti Island 11/1982	16	16.2	11.8	14.0	+0.0	19.0	17	7.8	14	66	10	-18	33	27	..
Kapiti Island 12/1982	16	17.3	10.8	14.1	-1.8	20.3	9	7.4	2	230	12	+144	61	20	..
Wharite Peak 03/1983	914	13.6	7.8	10.7	+0.2	19.5	22	0.5	4	108	19	-39	26	16	..
Kairanga Palmerston North 03/1983	15	20.4	..	..	..	25.3	22	..	..	31	15	..	9	16	171
Palmerston North D S I R 03/1983	34	20.2	12.1	16.2	-0.2	25.6	22	3.1	31	49	18	-25	10	16	142
Ruatiti 01/1983	354	19.6	8.6	14.1	..	28.2	11	2.8	7	141	17	..	25	18	..
Ruatiti 03/1983	354	19.4	9.9	14.7	..	26.0	25	1.1	31	102	16	..	29	24	..
Waiouru 03/1983	823	17.9	7.3	12.6	+0.5	22.5	22	0.0	31	27	10	-49	10	16	..
Totaranui 03/1983	10	21.8	11.1	16.5	..	28.0	8	4.1	30	79	9	..	38	10	..
Springs Junction 03/1983	421	..	6.4	..	..	..	..	-1.6	17	258	19	+108	49	27	..
Franz Josef 03/1983	122	16.6	8.2	12.4	-1.6	24.0	12	0.0	30	557	21	+107	149	9	..
Franz Josef 03/1983	155	15.9	8.5	12.2	..	23.5	12	1.6	30	618	23	..	148	9	81
Fox Glacier 03/1983	152	16.5	8.1	12.3	..	24.7	12	0.2	30	519	21	+91	128	9	..
Craigieburn Forest 03/1983	914	18.5	5.6	12.1	+0.6	27.1	8	-3.7	30	125	16	+23	34	28	..
Ashley Forest 03/1983	107	21.2	9.1	15.2	+0.7	31.0	24	1.0	31	32	7	-39	16	16	198
Darfield 03/1983	195	22.6	8.2	15.4	+0.9	31.2	24	0.3	30	38	8	-36	10	16	..
Christchurch 02/1983	7	20.1	11.0	15.6	-1.2	27.5	4	6.0	6	18	8	-28	8	8	..
Christchurch 03/1983	7	21.0	10.0	15.5	+0.5	31.7	24	2.1	17	35	6	-23	21	3	..
Akaroa 03/1983	3	21.5	9.0	15.3	..	31.5	24	2.9	17	31	8	..	9	3	..
Lake Pukaki 03/1983	556	19.3	7.4	13.4	-0.2	27.8	8	-1.0	17	51	9	..	20	10	..
Waimate 03/1983	61	18.5	8.2	13.4	-1.0	30.1	24	2.1	31	73	11	+7	22	10	..
Windsor 03/1983	88	18.4	7.8	13.1	..	28.8	6	1.8	31	73	10	..	41	9	..
Herbert Forest 03/1983	61	18.5	6.3	12.4	-0.8	29.4	24	0.5	17	129	14	+51	57	9	..
Ophir 03/1983	305	19.2	5.3	12.3	-0.8	29.0	8	-4.0	30	69	7	+21	42	9	..
Moa Creek 03/1983	427	..	..	..	..	..	..	..	..	81	10	+38	58	9	..
Earnsclough 03/1983	152	20.6	6.7	13.7	-0.1	30.1	6	-1.4	17	94	12	+53	65	9	..
Deep Stream 02/1983	396	17.4	6.4	11.9	..	30.7	2	2.0	23	65	12	..	20	28	..
Taieri Mouth 12/1982	15	15.3	7.1	11.2	-1.0	27.9	17	1.8	2	122	21	+61	31	24	..
Rarotonga Airport 03/1983	7	30.4	23.6	27.0	+1.3	32.0	9	22.1	6	23	17	-223	8	26	242
Totokoitu, Rarotonga 03/1983	9	29.3	23.5	26.4	..	31.5	4	20.4	26	46	12	..	16	26	..
Campbell Island 02/1983	15	11.2	6.7	9.0	-0.2	15.7	17	3.2	6	87	25	-27	10	9	76
Campbell Island 03/1983	15	9.5	4.8	7.2	-1.3	12.5	23	0.2	21	150	30	+20	20	5	47

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 APRIL 1983

THE WEATHER SEQUENCE—APRIL 1983

General—April was a cloudy, wet month for most of the country except the south of the South Island.

South-westerly winds were less frequent than usual this month, particularly at Auckland which had the lowest number of winds from this direction for April since 1972. South-westerlies were only slightly less frequent than usual in the south, but there were fewer strong winds there than normal for the time of year.

Pressures were above normal over the whole country, particularly in eastern areas.

Mild, wet conditions led to easing of the drought conditions that had prevailed for several months in northern and eastern areas of the country. Although grass growth was generally reported to be good many farmers reported that they will still be unable to produce sufficient feed for winter and supplementary feeding will continue to be necessary for some time.

Rainfall—Rainfall was normal or above normal over the whole country except Fiordland, Southland, some central areas of the North Island and Wairarapa. Most of these areas had between 70 percent and 90 percent of normal rainfall.

Flooding occurred in parts of Nelson, Marlborough and Northern Westland after heavy rainfall on the 14th and 15th. Many stations in these areas had between 125 mm and 200 mm of rain during the 14th with further, lighter falls on the 15th. Return periods for the 24-hour falls were mostly in the order of 5–10 years, with a maximum of 50 years for the 24-hour fall at Wangapeka.

Houses were flooded in Karamea and Market Cross when the Karamea River overflowed and in Canvastown when the Pelorus and Whakamarina Rivers overflowed. Several families were evacuated from these areas. Low-lying farmlands were extensively flooded, and several roads, including State Highway 6, were closed by floods or slips.

Temperatures—Temperatures were normal or above normal for the North Island, apart from Wellington, where it was slightly cooler than usual, and normal or above normal in the north and north-east of the South Island. Southern and western areas of the South Island were between 0.5°C and 1.0°C below normal. Farmers from many areas of the country reported very few frosts for the time of year.

There were two very warm spells this month, although these mainly affected eastern regions of the South Island. Between the 6th and 8th mean temperatures were between 5°C and 8°C above average in eastern areas south of Kaikoura. Maximum temperatures of 25°C or above were recorded around Christchurch, Hororata, Timaru and Dunedin. Mean temperatures were 4°C to 6°C above normal in the same areas again on the 11th and 12th, with maximum temperatures above 25°C recorded around Christchurch.

Sunshine—Sunshine hours were normal or slightly above normal in parts of Canterbury and in Southland, but below normal elsewhere.

Northern and eastern areas of the North Island were particularly cloudy. Tauranga and Ruakura had their lowest April sunshine totals since 1956 and second lowest since recording began in 1933 and 1937 respectively, while Ohakea and Auckland Airport had their lowest April totals on record, these stations beginning recording in 1954 and 1970 respectively.

Among those stations recording large departures this month were: Tauranga (–69hrs), Rotorua (–66hrs), Ruakura (–60hrs), Auckland (–55hrs), and Gisborne (–51hrs).

1–7 April

A cold front lay across central New Zealand on the 1st, with a disturbed westerly flow over the south of the South Island. Rain fell in southern and western areas of both Islands on the 1st and 2nd, as this front and a subsequent one moving in the westerly flow crossed the country. A shallow depression and associated front developed off the west coast of the North Island on the 3rd, bringing rain to central and northern areas of the North Island on the 3rd and heavy rain to the East Cape – Gisborne region on the 4th.

An anticyclone crossed the South Island during the 5th. This was rapidly followed by a complex cold trough, and as this moved onto the country it brought heavy rain to southern and western areas of the South Island on the 6th and much of the North Island on the 7th.

8–14 April

Rain continued to fall in the north and south of the country on the 8th and central areas on the 9th as the trough moved off the country. An anticyclone centred off Fiordland began to move onto New Zealand on the 10th and apart from isolated showers in eastern areas of the North Island the weather became fine and cool.

Fine weather continued until the 13th when a cold front moving onto the south-west brought rain to southern and western areas of the South Island. Rain became widespread and heavy over the South Island and south of the North Island on the 14th as the front moved over the country and a trough developed.

15–21 April

There was further rainfall over most of the country on the 15th as the trough moved away to the east, with the rain clearing to showers in isolated areas only by the 16th. By the 17th a belt of high pressure across the country brought mainly fine weather, but a small depression with an associated cold front had begun to develop in the Tasman Sea. The front approached the north of the North Island on the 18th, bringing rain to northern and north-western areas of the North Island, with mainly fine weather continuing elsewhere. By the 19th the depression had deepened but still lay to the west of New Zealand. Rain became widespread over the country between the 19th and 21st as this system moved eastwards.

22–30 April

An anticyclone over the south of the South Island brought fine weather to the south-west but rain persisted elsewhere on the 22nd. Apart from showers in western areas of the South Island and the east of the North Island the weather was generally fine between the 23rd and 25th. By the 26th the high pressure belt over New Zealand had begun to move away to the east and a deep depression moved eastwards across the Tasman Sea onto New Zealand.

Rain fell over the whole country during the 26th with heavy falls in some western areas. Rainfall was lighter but still widespread on the 27th. By the 28th the depression had moved away to the east and an extensive anticyclone had begun to move onto the country. Apart from isolated falls in western areas of the South Island the weather remained generally fine to the end of the month.

(N.Z. Met. S. Pub. 107)

J. S. HICKMAN, Director.