

LAND & DEEDS OFFICE  
- 3 JAN 1985  
GIBBORNE



SUPPLEMENT  
TO THE  
**NEW ZEALAND GAZETTE**  
OF  
THURSDAY, 13 DECEMBER 1984

*Published by Authority*

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WELLINGTON: WEDNESDAY, 19 DECEMBER 1984

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**CLIMATOLOGICAL TABLE**  
**FOR OCTOBER 1984**

## NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for October 1984

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	°C	mm	mm	mm	Hrs			
Cape Reinga	191	17.5	10.8	14.2	+0.1	21.5	18	6.9	1	20	13	-53	7	28	204
Kaitaia Airport	80	18.1	9.9	14.0	-0.4	21.0	18	5.4	4	11	10	-100	3	18	..
Aupouri Forest	69	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaitaia	8	19.2	8.8	14.0	..	22.5	17	3.5	4	12	6	..	5	18	..
Kerikeri M A F	79	18.8	8.1	13.5	..	22.1	15	3.2	2	9	11	..	2	18	..
Kerikeri Downs	74	18.2	8.5	13.4	..	21.2	15	4.3	2	9	11	..	2	18	..
Kerikeri Aerodrome	150	18.9	8.1	13.5	..	22.5	16	4.5	2	5	5	..	1	27	..
Umawera	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaikohe	204	16.9	9.0	13.0	-0.6	20.0	16	4.3	2	18	11	-107	4	21	188
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	17.1	8.3	12.7	-0.8	23.0	18	2.5	4	55	14	-94	13	18	..
Dargaville	20	17.5	9.2	13.4	-0.5	23.1	18	2.8	4	28	13	-75	6	21	185
Waitangi Forest	55	19.1	8.5	13.8	-1.0	22.0	15	4.5	2	6	7	-102	2	18	241
Glenberrie Forest	107	17.8	5.7	11.8	-1.2	21.3	16	-0.6	2	17	11	-139	8	18	..
Whangarei Airport	37	18.4	9.0	13.7	-0.9	22.2	17	3.3	2	20	11	-100	7	18	..
Whangarei	29	18.8	8.4	13.6	-0.8	22.7	17	3.0	2	42	15	..	8	18	213*
Marsden Power Stn	3	18.9	..	..	..	23.5	30	..	..	12	12	-92	4	18	..
Pouto	97	16.9	10.4	13.7	..	22.3	31	3.6	2	21	15	..	3	11	..
Leigh	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Warkworth	72	17.6	7.8	12.7	-0.9	21.4	18	1.0	2	33	11	-79	10	7	..
Oyster Point	0	..	8.7	..	..	..	..	1.0	2	25	12	-53	7	7	..
Woodhill Forest	30	17.3	8.9	13.1	-0.6	22.9	17	1.0	2	39	10	-58	10	14	..
Riverhead Forest	28	17.9	7.8	12.9	-0.6	22.5	31	0.5	2	35	10	-73	8	7	..
Kumeu	32	18.0	7.9	13.0	-0.3	22.1	17	-0.3	2	37	11	..	9	7	..
Whenuapai	26	17.8	7.9	12.9	-0.7	22.2	18	0.7	2	27	13	-76	8	7	..
Albert Park Auckland	49	18.4	10.6	14.5	-0.3	22.5	18	5.0	2	22	12	-75	6	21	233*
Owairaka, Auckland	41	17.9	9.4	13.7	-0.3	22.2	18	3.1	2	19	12	-82	6	18	..
Port Fitzroy	4	18.2	9.9	14.1	-0.4	21.5	31	4.2	2	22	8	-110	11	18	..
Little Barrier Is	2	17.7	11.0	14.4	..	20.3	31	7.4	4	11	8	-98	3	18	..
Rotorua Is	30	16.7	11.2	14.0	..	19.7	30	6.8	2	15	8	..	6	18	..
Manukau Heads	244	16.3	10.1	13.2	..	21.3	28	6.2	1	26	15	-47	9	18	..
Coromandel	43	18.4	8.7	13.6	..	22.2	17	1.0	2	24	13	..	7	18	..
Whangapoua Forest	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	..	8.4	..	..	..	..	1.2	4	14	5	-117	6	18	..
Ngatea	1	19.0	5.9	12.5	..	24.0	25	-0.5	4	30	14	..	7	18	..
Paeroa	4	18.9	7.4	13.2	-0.5	23.5	31	0.0	2	27	11	-83	10	18	..
Waihi	91	18.3	8.1	13.2	-0.2	22.1	17	-0.1	4	28	8	-141	9	18	222
Te Aroha	18	18.8	9.3	14.1	-0.3	23.0	31	1.0	3	41	11	-85	15	7	..
Katikati	2	19.0	7.8	13.4	..	22.4	30	1.0	6	9	7	..	3	18	..
Waharoa	60	18.3	6.4	12.4	..	23.2	31	-1.5	2	25	11	..	8	18	..
Tauranga	2	18.5	9.7	14.1	+0.0	24.6	25	3.5	2	6	6	-100	3	18	..
Tauranga Airport	4	18.4	8.5	13.5	-0.1	22.3	15	2.0	23	7	8	-99	3	18	254
Te Puke	91	18.7	6.9	12.8	-0.5	23.4	15	0.6	2	12	7	-133	6	18	259
Rotoehu Forest	72	18.6	4.8	11.7	-0.9	23.4	15	-2.1	2	12	6	-122	4	18	..
Whakatane Airport	6	18.3	6.7	12.5	-0.5	22.0	15	-0.3	23	17	5	-81	7	21	255
Te Kaha	6	..	9.3	..	..	..	..	4.0	7	13	4	..	8	18	..
Port Ohope	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kinleith	383	16.3	6.0	11.2	-0.3	20.9	28	-1.4	2	65	12	-75	32	18	..
Tikitere	338	16.4	7.0	11.7	-0.2	19.9	28	0.1	2	15	7	..	9	18	..
Kawerau	30	19.9	6.4	13.2	-0.8	24.8	15	-0.5	23	12	4	-126	8	18	..
Te Teko	8	21.0	6.3	13.7	+0.1	27.0	15	0.0	23	19	7	-102	5	21	246
Rotorua Airport	287	17.2	6.6	11.9	-0.2	20.4	27	-0.2	2	17	9	-99	8	18	241
Waiotapu Forest	435	16.2	4.9	10.6	-0.6	20.3	28	-2.4	3	24	10	-89	11	18	..
Atiamuri Power Stn	253	17.9	4.6	11.3	-0.7	22.2	28	-2.5	3	37	10	-83	20	18	..
Kaingaroa Forest	544	16.2	4.6	10.4	-0.3	20.8	15	-1.0	24	21	8	-103	9	18	..
Murupara	198	18.9	5.0	12.0	-0.6	24.5	15	-1.5	3	14	8	-89	8	18	..
Wairapukao Forest	437	16.7	3.7	10.2	-0.5	21.8	15	-4.2	3	25	7	-89	13	18	..
Taupo	376	16.3	5.9	11.1	-0.4	21.3	28	-1.3	5	21	9	-78	11	18	228
Wairakei Power Stn	342	17.2	5.3	11.3	-0.5	22.0	28	-1.2	5	20	9	-83	10	18	..
Wairakei Research Stn	402	17.0	4.5	10.8	-0.4	22.4	28	-3.2	5	20	9	-80	11	18	..
Minginui Forest	366	17.6	4.2	10.9	-0.3	23.2	15	-3.2	3	47	7	-81	22	18	..
Taupo Airport	407	15.6	4.9	10.3	-0.9	19.5	15	-3.6	24	21	8	-82	6	18	..
Waimihia Forest	743	13.3	3.6	8.5	-0.4	18.6	15	-2.1	24	50	8	-96	19	18	..
Opotiki	6	17.8	7.7	12.8	-0.6	22.0	14	0.7	3	16	7	-97	6	21	246
Waimana	37	..	..	..	..	..	..	..	..	..	..	-124	..	..	..
Mangere Auckland	4	17.6	10.3	14.0	-0.2	22.5	31	2.2	4	15	10	-76	5	21	220
Otara Auckland	12	17.9	8.6	13.3	-0.3	21.7	30	1.4	4	17	10	-74	4	18	..
Auckland Airport	8	17.4	10.2	13.8	-0.4	21.8	31	4.6	23	17	9	-69	5	7	233
Ardmore	30	17.6	7.6	12.6	-0.8	21.5	31	0.7	2	31	12	-73	9	7	..
Pukekohe	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maioro Forest	52	16.9	9.4	13.2	-0.5	21.0	17	2.4	2	54	10	-47	16	6	..
Hunua	122	17.2	6.8	12.0	..	21.2	31	-0.9	23	30	11	..	7	18	..
Maramarua Forest	38	17.8	6.3	12.1	-0.9	22.6	31	-0.9	5	33	11	-69	9	21	..
Te Kauwhata	32	17.9	7.7	12.8	-1.0	22.0	28	1.1	5	40	16	-54	11	6	232

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Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres					Bright Sunshine Hrs
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
		Metres	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs			
Huntly	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taupiri	23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura Hamilton	40	18.0	7.2	12.6	-0.3	22.3	31	-0.5	3	32	11	-65	7	18	211
Whatawhata	104	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hamilton Airport	50	18.3	6.7	12.5	+0.0	22.3	31	-1.5	4	24	14	-77	7	18	..
Cambridge	76	18.1	6.5	12.3	-0.4	21.9	31	-1.0	4	31	13	-58	11	18	..
Mohakatino Stn Mokau	46	15.7	9.2	12.5	-0.7	18.9	31	3.0	3	78	15	-52	19	10	..
Arapuni Power Stn	123	18.5	6.1	12.3	-0.8	23.0	28	-1.5	3	34	12	-89	14	18	..
Waikeria	46	18.0	6.1	12.1	-0.5	22.4	31	-2.0	5	42	12	..	11	20	..
Te Kuiti	61	17.6	7.1	12.4	-0.5	22.5	28	0.4	5	49	17	-79	11	18	191
Wairere	122	16.5	7.3	11.9	..	21.4	28	-0.5	3	71	17	-54	17	18	..
Pureora Forest	549	13.9	4.2	9.1	-1.0	19.5	28	-3.2	5	88	15	-74	23	18	..
Mangakahu Valley	397	15.2	6.4	10.8	..	20.4	28	-2.2	2	86	14	..	28	18	..
Taumarunui	171	17.8	6.2	12.0	-0.9	23.4	28	-2.3	5	96	15	-31	30	18	169
Tokirima	152	17.3	5.7	11.5	..	23.0	28	-2.9	3	88	17	..	25	18	..
Omata	61	16.1	9.7	12.9	-0.2	19.3	31	5.2	5	70	16	-53	17	17	..
New Plymouth	55	16.3	8.6	12.5	-0.4	19.9	31	1.5	5	78	15	-64	15	17	..
New Plymouth Airport	27	15.8	8.8	12.3	-0.2	18.7	31	3.0	3	43	17	-78	6	10	198
North Egmont	955	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Wera Forest	180	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	16.2	5.5	10.9	-0.6	22.0	15	-1.8	24	55	10	-82	13	18	215
Chateau, Mt Ruapehu	1097	10.3	1.1	5.7	..	15.6	15	-5.5	4	153	16	..	42	18	..
Hukanui	235	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	15.6	5.9	10.8	+0.3	22.1	15	0.0	24	195	16	-34	57	18	..
Waingawa Masterton	114	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kopua	311	15.7	6.7	11.2	-0.1	20.6	16	0.4	24	36	12	-48	10	8	..
Waipukurau	137	17.4	6.4	11.9	+0.0	23.1	18	0.9	6	15	6	-46	5	8	251*
Dannevirke	207	16.0	7.3	11.7	-0.2	21.0	18	0.2	24	45	15	-49	11	18	228
Porangahau	8	18.2	8.3	13.3	..	23.9	16	1.1	25	17	7	..	9	1	..
Castlepoint	3	17.1	10.6	13.9	+0.6	21.7	15	5.5	2	24	6	-43	9	22	..
Ngaumu Forest	244	16.9	5.6	11.3	+0.3	22.3	15	-0.5	24	38	8	-43	15	1	..
Tauherenikau, Alloa	43	17.4	7.4	12.4	+0.2	24.5	15	1.5	24	61	8	-35	21	18	..
Waiorongomai	21	15.7	8.8	12.3	+0.4	20.6	28	2.1	24	133	15	+5	46	17	..
Cape Palliser	10	16.6	10.0	13.3	-0.3	21.5	14	5.0	6	41	11	-31	14	7	..
East Cape	17	17.0	9.6	13.3	-0.5	21.6	30	5.5	6	9	7	-94	4	22	..
Ruatoria	61	18.9	7.3	13.1	-0.7	24.3	29	1.7	6	4	5	-120	3	22	..
Mangatu Forest	182	18.5	6.8	12.7	-0.2	24.1	31	0.9	3	27	8	-61	11	18	..
Manutuke Gisborne	9	19.0	6.9	13.0	-0.5	24.0	14	2.2	6	16	8	-47	7	1	..
Gisborne Airport	4	18.9	7.4	13.2	-0.4	24.3	16	0.8	25	20	8	-48	9	1	259
Onepoto, Waikaremoana	643	15.8	5.7	10.8	+0.0	22.5	30	0.4	23	49	8	-98	16	18	..
Wharerata Forest	439	15.8	6.8	11.3	..	23.2	16	0.5	2	95	9	..	33	1	..
Esk Forest	427	16.5	6.3	11.4	-0.2	21.9	16	-0.3	24	28	5	-96	10	18	..
Ngamatea	885	12.3	2.4	7.4	..	17.4	16	-4.2	5	36	10	..	12	18	..
Kaweka Forest	414	16.8	7.4	12.1	+0.1	22.3	16	1.8	2	23	8	-78	7	18	..
Napier Airport	2	18.8	7.4	13.1	-0.1	25.1	29	0.8	6	10	5	-54	4	22	..
Napier	2	19.1	8.6	13.9	+0.0	25.5	29	1.8	6	9	6	-52	4	8	253
Hastings	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatu	6	18.7	6.6	12.7	..	25.0	29	0.9	6	9	5	..	5	8	..
Gwavas Forest	335	16.8	4.8	10.8	+0.0	23.0	16	-1.0	24	13	6	-79	5	8	..
Makaretu	335	16.8	5.6	11.2	-0.3	22.1	16	-0.3	24	25	13	-59	6	8	..
Mohaka Forest	286	17.5	6.8	12.2	-0.1	22.7	16	0.9	23	7	6	-103	4	8	..
Frasertown, Wairoa	8	18.8	8.4	13.6	-0.2	24.7	16	2.1	6	25	9	-77	8	8	..
Wairoa	20	18.6	8.0	13.3	-0.4	25.1	16	2.2	6	21	3	-81	9	8	255
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Airport	7	15.4	9.1	12.3	-0.1	18.7	28	0.8	5	66	14	-27	26	17	187
Flockhouse Bulls	9	15.9	8.0	12.0	-0.4	20.0	28	-1.8	4	38	14	-38	10	8	..
Ohakea	48	16.2	8.5	12.4	-0.3	20.5	28	1.4	4	49	17	-31	12	8	200
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston N	15	16.3	7.3	11.8	-0.6	21.0	28	-1.3	4	57	12	-22	12	8	197
Palmerston N Airport	45	16.4	7.3	11.9	-0.3	21.1	28	-0.8	5	52	13	-28	12	18	..
Palmerston N D S I R	34	16.3	8.2	12.3	-0.3	21.2	28	-0.1	5	42	16	-45	12	18	133
Tiritea	100	15.5	8.0	11.8	..	20.0	28	1.2	23	50	17	..	13	18	..
Waitarere Forest	3	15.7	8.0	11.9	-0.6	19.1	28	-2.4	5	21	11	-52	8	18	..
Levin	46	15.3	8.7	12.0	-0.4	19.4	28	1.3	4	47	19	-48	11	18	166
Titahi Bay	31	15.7	9.6	12.7	..	18.4	28	1.9	5	76	12	..	42	17	..
Avalon, Lower Hutt	15	16.0	9.3	12.7	+0.2	19.4	28	2.1	5	93	14	-18	54	17	..
Highland Pk Wgtn	120	..	..	..	..	..	..	..	..	86	12	..	37	17	..
Kelburn, Wellington	125	15.1	9.1	12.1	+0.0	18.3	28	3.5	5	73	11	-28	36	17	241
Somes Is	43	14.9	9.2	12.1	-0.1	18.5	28	3.5	5	83	11	+2	57	17	..
Gracefield Lower Hutt	34	15.6	9.6	12.6	+0.1	19.0	28	2.4	5	93	10	-11	61	17	..
Wainuiomata	82	15.3	8.0	11.7	-0.1	19.0	28	0.7	5	97	12	-29	55	17	..
Wellington Airport	6	16.2	10.1	13.2	+0.4	19.3	28	3.2	2	62	10	-24	31	17	..
Rimutaka Forest	37	16.0	7.7	11.9	..	19.9	15	-0.5	5	82	11	..	43	17	..
Kaitoke	223	14.7	7.2	11.0	+0.2	20.0	28	0.5	25	163	18	-19	83	17	193

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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				
Wallaceville	56	15.7	..	..	..	19.8	28	..	..	114	15	+6	74	17	215
Cape Egmont	8	16.1	9.8	13.0	-0.1	20.0	31	2.5	23	49	17	-70	15	17	..
Stratford Mtn House	846	11.8	3.0	7.4	-0.5	16.4	16	-1.2	24	356	11	-223	206	17	..
Stratford Dem Farm	311	15.0	6.2	10.6	-0.2	19.0	15	0.7	3	113	12	-72	62	17	204
Kapuni	173	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Manaia Dem Farm	98	15.4	7.7	11.6	-0.4	19.5	31	1.5	3	56	12	-31	12	18	184
Normanby	122	15.4	7.5	11.5	-0.1	19.2	29	1.2	3	33	21	..	5	18	..
Patea	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pipiriki	80	17.5	7.6	12.6	..	23.0	28	0.7	4	96	16	..	23	18	..
Ohakune Junction	629	12.9	4.8	8.9	-0.8	18.3	28	-1.5	24	115	13	-30	28	18	..
Karioi	648	13.3	4.2	8.8	-1.0	18.7	28	-2.0	3	126	14	+24	32	18	..
Waiouru	823	..	3.6	..	..	..	..	-2.5	5	65	14	-20	14	20	..
Waiouru Military Camp	823	11.9	3.1	7.5	-0.6	17.2	28	-3.6	5	75	14	-22	16	20	..
Ahu Ahu Valley	85	17.2	7.1	12.2	..	22.5	28	-0.1	4	74	15	..	23	18	..
Taihape	433	15.7	5.2	10.5	-0.6	21.5	28	-3.2	5	45	14	-43	12	8	..
Kahui, Taihape	518	14.2	5.7	10.0	-0.8	19.9	31	-1.6	5	40	14	-38	12	8	..
Wanganui	22	16.5	9.4	13.0	-0.2	21.0	16	2.7	4	43	13	-32	16	18	198
Wanganui Airport	9	16.5	9.2	12.9	..	20.8	30	3.2	4	46	10	-25	18	18	..
Totaranui	10	17.0	7.3	12.2	..	19.8	6	2.2	23	61	9	-125	49	17	..
Westport Airport	2	15.1	7.6	11.4	-0.3	17.3	31	2.0	2	254	21	+67	76	17	160
Cobb Dam	823	12.6	2.8	7.7	-0.3	20.6	15	-2.2	2	158	19	-52	62	17	..
Arapito	20	16.0	7.4	11.7	..	21.7	15	0.7	2	279	18	..	50	17	146
Lake Rotoroa	443	14.7	3.6	9.2	..	20.2	27	-2.6	4	285	..	..	89	17	..
Lake Rototoi	634	14.5	2.9	8.7	-0.2	21.0	28	-4.6	2	137	17	-17	50	17	..
Hokitika Airport	39	14.5	7.1	10.8	-0.4	17.3	31	-0.1	2	306	18	+37	54	30	157
Punakaiki	4	15.7	9.1	12.4	..	18.6	15	5.3	2	306	22	..	83	17	..
Reefton	198	16.3	5.8	11.1	-0.2	21.9	27	-0.9	23	229	20	+50	77	17	..
Barrytown	30	15.1	8.9	12.0	..	19.6	31	5.7	2	324	22	+102	83	17	..
Totara Flat	77	16.8	5.9	11.4	+0.0	21.5	27	-2.1	2	214	19	+43	48	17	..
Greymouth	4	14.7	7.9	11.3	-0.4	17.9	15	3.6	2	298	22	+77	65	17	143
Otira Substation	383	13.1	5.4	9.3	-0.3	20.1	27	-0.7	2	836	20	+341	186	17	..
Springs Junction	421	14.3	4.2	9.3	-0.5	20.7	27	-2.6	23	368	20	+166	110	17	..
Pukekura	86	14.4	5.6	10.0	..	16.9	27	-1.3	2	393	21	..	67	16	..
Hari Hari	45	14.9	6.3	10.6	-0.2	20.0	27	-0.7	2	495	22	+138	126	16	..
Okarito	10	14.6	7.1	10.9	..	16.6	27	1.8	2	312	19	..	56	16	..
Franz Josef	155	13.9	6.2	10.1	..	17.5	27	0.8	22	698	21	..	167	16	82
Fox Glacier	152	13.5	6.0	9.8	-0.4	17.6	27	1.1	21	602	19	+181	164	16	..
Milford Sound	3	14.0	5.0	9.5	-0.7	18.2	3	0.5	2	1004	21	+444	256	16	..
Puysegur Point	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stephens Is	187	14.1	9.2	11.7	+0.6	17.3	25	4.0	1	39	9	-34	28	17	..
Riwaka Motueka	8	17.8	5.9	11.9	-0.3	22.0	6	-0.4	2	41	10	-81	27	17	239
Tapawera	146	17.6	4.3	11.0	..	24.7	15	-2.5	2	71	9	..	25	17	..
Crail Bay Pelorus Sd	13	16.1	8.9	12.5	..	19.5	27	3.6	2	113	10	..	88	17	..
Appleby	17	17.2	7.0	12.1	-0.2	21.0	16	1.6	2	16	6	-70	7	17	..
Nelson Airport	2	17.0	6.6	11.8	-0.2	20.4	29	0.8	2	12	6	-73	7	17	256
Rai Valley	79	17.3	5.4	11.4	-0.4	22.7	15	-2.5	2	75	6	-106	64	17	..
Moutere Hills	110	16.8	8.3	12.6	+0.3	20.8	15	3.9	3	19	6	-81	6	17	..
Wairau Valley	162	17.8	5.5	11.7	..	24.0	15	-2.2	2	43	6	..	35	17	..
Blenheim Airport	27	18.8	6.0	12.4	+0.1	24.8	14	-2.0	2	23	6	-41	17	17	..
Brancott Valley	64	18.9	5.1	12.0	..	24.7	14	-2.3	2	21	6	..	15	17	..
Blenheim	4	19.4	6.5	13.0	+0.1	24.5	14	-1.6	2	21	6	-36	14	17	278
Wither Hills Blenheim	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waihopai Power Stn	262	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Duntroon	350	17.5	3.9	10.7	..	24.5	14	-0.7	4	49	8	-28	27	17	..
Lake Grassmere	2	17.9	7.4	12.7	+0.1	25.4	14	2.0	1	16	7	-29	4	30	239
Cape Campbell	3	16.1	9.3	12.7	+0.6	19.2	19	5.2	2	27	9	-23	6	22	..
Boyle River Lodge	600	14.1	2.5	8.3	..	20.6	28	-3.5	24	317	..	..	103	17	..
Hanmer Forest	387	16.6	4.1	10.4	-0.1	22.4	15	-1.4	4	78	12	-24	16	7	181
Molesworth	893	14.2	1.8	8.0	-0.3	20.5	15	-4.0	5	36	7	-23	13	7	..
Kaikoura Flats	24	16.7	5.9	11.3	..	24.2	16	0.4	22	44	7	..	19	7	..
Kaikoura	108	15.7	8.3	12.0	+0.4	24.8	16	3.6	2	24	7	-38	13	7	235
Arthurs Pass	738	10.9	2.5	6.7	..	16.5	28	-3.3	23	641	21	+249	152	17	..
Culverden	174	17.1	5.1	11.1	..	23.0	14	-0.8	5	39	10	..	13	30	..
Balmoral Forest	198	17.4	4.8	11.1	+0.1	23.5	14	-0.5	5	54	14	+5	16	7	..
Waiau	137	18.2	5.5	11.9	..	25.1	15	-0.6	5	34	10	..	10	7	..
Cheviot	85	17.5	5.3	11.4	..	24.2	17	-1.5	5	24	8	..	7	30	230
The Hermitage Mt Cook	765	13.2	2.9	8.1	-0.8	21.4	5	-2.5	2	575	21	+213	131	16	131
Mt John	1027	12.3	2.5	7.4	-0.5	18.1	14	-2.3	1	41	10	-6	14	18	..
Craigieburn Forest	914	13.4	2.1	7.8	-0.1	20.2	14	-3.7	9	197	16	+26	83	17	..
Lake Coleridge	364	16.0	4.6	10.3	-0.4	22.0	28	-1.0	2	94	13	+14	20	17	..
Highbank Power Stn	336	15.4	6.0	10.7	-0.1	22.2	14	1.5	5	43	10	-44	11	18	235
Hororata Substation	192	18.0	4.4	11.2	+0.2	25.7	14	-1.2	9	27	12	-41	10	30	233
Winchmore	160	17.4	5.4	11.4	+0.6	25.2	14	0.1	9	26	6	-35	8	30	..
Peel Forest	274	17.8	3.8	10.8	+0.7	25.7	14	-2.5	23	51	15	-32	13	18	..
Ashburton	101	18.7	5.8	12.3	+0.3	27.0	14	1.1	23	16	7	-44	6	20	227

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for October 1984—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	Hrs		
Waipara	64	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ashley Forest	107	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rangiora	46	17.6	5.3	11.5	+0.1	26.6	14	-1.0	5	39	14	-12	18	30	
Darfield	195	18.2	5.3	11.8	+0.3	25.3	14	-0.5	9	31	8	-38	12	30	
Eyrewell Forest	158	17.5	5.2	11.4	+0.2	25.3	14	-1.5	22	36	9	-27	18	30	
Christchurch Airport	30	17.7	6.1	11.9	+0.3	27.4	14	-0.2	9	28	9	-15	14	30	
Templeton	46	17.2	5.6	11.4	+0.3	25.8	14	0.0	22	30	7	..	11	30	
Christchurch	7	17.8	7.2	12.5	+0.4	27.5	14	1.2	9	28	8	-17	12	30	
Bromley Christchurch	9	17.1	8.2	12.7	+0.5	27.0	14	2.4	9	27	11	-17	13	30	
Mt Pleasant	137	16.6	8.2	12.4	+0.4	26.0	14	3.0	9	37	11	-12	14	30	
Lincoln	11	17.4	5.6	11.5	+0.2	26.2	14	0.0	9	33	12	-13	10	30	
Quail Island	75	16.9	8.0	12.5	..	25.6	14	2.3	12	28	10	..	10	30	
Akaroa	3	18.9	4.9	11.9	+0.1	27.4	14	0.5	4	46	9	..	16	20	
Lake Tekapo	683	14.5	3.7	9.1	-0.5	25.0	14	-3.0	9	41	10	-10	12	18	
Lake Pukaki	556	15.3	4.3	9.8	-0.3	21.5	14	-2.0	9	68	9	+3	15	16	
Fairlie	304	18.1	3.1	10.6	..	25.6	14	-3.4	23	32	8	..	13	18	
Twizel	457	16.3	2.6	9.5	-0.3	22.0	14	-4.5	2	63	9	-2	13	10	
Ikawai	70	17.4	4.7	11.1	+0.5	25.5	14	-0.5	23	12	2	-33	8	20	
Geraldine	119	18.4	5.1	11.8	+0.4	27.0	14	-0.5	9	12	5	-55	4	20	
Orari Estate	81	18.3	4.3	11.3	+0.4	26.9	14	-1.0	23	12	6	-51	5	20	
Temuka	24	17.8	4.8	11.3	+0.4	26.8	14	-0.7	9	9	8	-46	3	20	
Timaru Airport	26	17.7	4.7	11.2	+0.7	27.2	14	-1.3	23	7	8	-42	2	30	
Adair	85	17.0	6.4	11.7	+0.7	25.9	29	1.4	23	12	8	-39	4	29	
Timaru	17	16.9	6.4	11.7	-0.1	24.7	10	0.2	9	11	7	-38	4	29	
Waimate	61	17.4	6.3	11.9	+0.4	25.1	29	2.3	23	32	8	-20	20	20	
Aviemore	241	17.4	4.9	11.2	..	24.0	14	0.0	2	14	10	-28	5	29	
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..	
Oamaru Airport	30	16.1	5.4	10.8	+0.3	23.6	14	0.8	21	11	5	-27	5	8	
Knobs Flat	360	12.9	..	..	..	19.2	28	..	..	277	..	+58	40	15	
Tara Hills Oamarua	488	15.9	3.1	9.5	-0.3	21.8	14	-3.6	9	52	11	+4	19	16	
Lake Hawea	350	14.4	..	..	..	20.7	27	..	..	123	9	+53	54	16	
Wanaka	296	16.6	3.6	10.1	-0.7	22.4	14	-2.5	9	131	10	+68	58	16	
Queensberry	277	16.4	5.0	10.7	..	22.0	14	-2.7	9	108	11	..	60	16	
Bendigo	200	17.6	4.7	11.2	..	23.8	14	-4.5	9	31	9	..	18	16	
Naseby	607	14.9	2.8	8.9	..	21.2	14	-5.6	12	21	11	..	7	20	
Windsor	88	..	..	..	..	..	..	..	..	..	..	..	..	..	
Oamaru	5	16.2	6.4	11.3	..	24.5	14	2.5	9	8	3	..	5	8	
Ranfurlly	427	..	..	..	..	..	..	..	..	..	..	..	..	..	
Herbert Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	
Palmerston	21	16.9	4.6	10.8	+0.8	24.1	17	-0.5	21	14	8	-34	7	8	
Cherry Farm Hospital	6	17.0	5.1	11.1	+0.8	23.5	17	-0.6	21	21	11	-30	7	8	
Taiaroa Head	72	..	..	..	..	..	..	..	..	..	..	..	..	..	
Invermay, Taieri	30	16.5	4.8	10.7	+0.1	27.0	29	-0.5	4	28	20	-26	9	21	
Berwick Forest	18	16.5	4.6	10.6	+0.0	24.4	17	-0.8	4	38	15	-22	13	8	
Dunedin Airport	1	16.7	5.1	10.9	+0.3	25.3	17	-0.4	4	29	13	-21	10	8	
Musselburgh Dunedin	2	15.5	7.2	11.4	+0.3	24.0	17	3.2	4	38	16	-23	13	21	
Te Anau	215	14.3	3.8	9.1	-0.3	19.7	14	-2.3	9	151	16	+46	36	16	
West Arm, Manapouri	232	12.5	4.5	8.5	-0.6	18.5	27	-0.1	9	495	21	+147	68	16	
Borland Burn	183	15.3	2.1	8.7	-0.3	21.2	15	-2.7	4	152	20	+38	26	16	
Queenstown	329	15.7	5.3	10.5	-0.2	22.6	14	-0.6	9	155	11	+75	61	16	
Queenstown Airport	349	14.7	3.8	9.3	-0.4	21.2	14	-3.4	9	112	11	+48	46	16	
Gibbston	366	..	..	..	..	..	..	..	..	..	..	..	..	..	
Otama	183	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cromwell Sub Stn	213	17.7	4.5	11.1	..	24.5	14	-3.6	9	26	9	+8	13	16	
Cromwell	213	17.8	4.1	11.0	-0.6	24.0	14	-3.8	9	23	11	-12	10	16	
Northburn	210	17.6	4.7	11.2	..	23.8	14	-2.6	9	9	10	..	4	16	
Lauder	370	16.4	3.6	10.0	..	22.4	14	-3.5	23	7	9	..	2	8	
Clyde Dam	160	18.3	4.8	11.6	..	24.9	14	-1.0	2	23	11	..	9	16	
Ophir	305	16.8	2.6	9.7	-0.6	22.8	14	-5.5	23	6	5	-35	3	8	
Clyde(Dsir)	171	18.5	3.7	11.1	..	25.1	14	-3.1	2	19	11	..	9	16	
Alexandra	141	..	..	..	..	..	..	..	..	..	..	..	..	..	
Roxburgh Power Stn	110	17.7	4.6	11.2	-0.3	23.5	15	-1.5	4	20	14	-21	6	21	
Ettrick	83	17.5	4.0	10.8	..	22.5	14	-2.0	4	26	11	..	10	21	
Deep Stream	396	..	..	..	..	..	..	..	..	..	..	..	..	..	
Beaumont	46	16.7	4.5	10.6	..	22.5	17	-0.1	4	86	17	+5	22	21	
Mahinerangi Dam	396	13.6	3.5	8.6	+0.1	21.7	17	-0.3	21	62	14	-11	14	21	
Tapanui	226	15.0	4.6	9.8	-0.5	22.1	17	-0.1	4	60	18	-15	11	21	
Taieri Mouth	15	14.7	5.3	10.0	-0.1	23.8	17	0.0	4	47	15	-13	11	21	
Tuatapere	27	15.4	4.9	10.2	..	20.5	14	1.0	21	90	18	..	15	15	
Otautau	55	..	..	..	..	..	..	..	..	..	..	..	..	..	
Winton	44	15.1	4.8	10.0	-0.3	20.8	15	1.0	4	71	13	+5	18	15	
Gore	123	..	..	..	..	..	..	..	..	..	..	..	..	..	
Hokomui Forest	46	15.1	4.5	9.8	-0.8	21.0	15	-0.9	4	88	18	+7	16	15	
Woodlands	47	14.9	4.5	9.7	-0.4	22.1	17	-0.5	4	112	24	+26	21	15	
Invercargill Airport	0	14.4	5.5	10.0	+0.0	19.9	17	-0.1	4	91	18	+6	23	15	

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for October 1984—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	mm	mm	mm	Hrs		
Tiwai Point, Bluff	5	13.8	6.6	10.2	-0.2	19.7	17	2.3	21	104	21	+14	21	15	..
Stewart Is	3	13.5	5.4	9.5	+0.1	17.8	17	0.0	4	136	26	+29	23	10	..
Milton	18	16.3	4.6	10.5	+0.1	24.3	17	-0.6	21	36	14	-22	10	21	..
Clinton School	120	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Finegand Balclutha	6	15.9	4.6	10.3	-0.2	21.8	17	-0.6	4	44	13	-17	10	21	156
Owaka	5	15.1	4.4	9.8	-0.3	21.8	17	-1.4	4	81	15	+23	23	21	..
Nugget Point	129	13.5	6.1	9.8	+0.0	19.3	13	1.5	21	75	16	+8	13	15	..
Tautuku	40	14.8	5.1	10.0	+0.2	20.5	17	0.1	4	97	19	+3	19	15	..
Nadi Airport Fiji	19	30.5	20.4	25.5	+0.1	32.4	30	16.5	6	34	6	-59	15	26	245
Rarotonga Airport	7	24.7	19.1	21.9	-1.2	27.5	29	14.5	2	164	16	+58	59	30	139
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	19.5	13.9	16.7	-0.9	22.0	21	10.4	7	57	6	-44	25	26	200
Campbell Is	15	9.3	4.1	6.7	+0.6	12.0	16	-1.4	21	128	26	+19	21	17	68
Waitangi, Chatham Is	44	12.8	7.6	10.2	-0.1	17.0	30	2.8	10	59	14	+0	25	1	162
Scott Base Antarctica	16	-14.6	-23.7	-19.2	+3.5	-8.0	29	-42.4	4	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Aupouri Forest 09/1984	69	17.0	9.3	13.2	-0.2	18.3	26	5.9	19	79	11	-20	22	29	..
Kaikohe 09/1984	204	15.8	7.9	11.9	-0.1	18.2	22	4.9	19	80	16	-65	15	29	162
Waiotemarama 06/1984	229	14.8	8.4	11.6	-0.3	18.6	21	4.3	1	121	20	..	50	29	..
Leigh 09/1984	27	16.1	10.8	13.5	+0.6	18.0	6	6.9	19	109	20	+0	24	29	180
Waimana 09/1984	37	16.4	5.8	11.1	+0.1	20.1	23	-0.5	16	196	14	+56	50	26	..
Maioro Forest 09/1984	52	16.5	7.5	12.0	-0.3	19.8	12	2.9	9	68	11	-48	21	30	..
Huntly 08/1984	34	15.3	8.7	12.0	..	18.4	17	3.8	6	112	25	..	25	15	..
Whatawhata 07/1984	104	14.5	4.4	9.5	+0.7	18.5	2	-2.2	28	159	16	-14	29	22	111
Whatawhata 09/1984	104	16.1	5.6	10.9	-0.5	18.8	2	-0.6	19	104	12	-30	19	26	153
Omata 08/1984	61	14.3	8.8	11.6	+0.8	16.9	19	3.9	8	112	20	-36	27	27	..
Omata 09/1984	61	15.7	9.0	12.4	+0.5	19.6	22	6.1	28	85	8	-34	41	26	..
Lower Retaruke 09/1984	223	15.1	4.4	9.8	-0.2	18.7	2	-1.8	18	114	12	-7	40	26	..
Hukanui 09/1984	235	13.3	5.7	9.5	..	17.4	24	0.2	7	102	23	-62	23	13	..
Wharite Peak 02/1984	914	14.8	7.9	11.4	-0.5	21.0	10	3.0	20	153	10	+4	32	10	..
Patea 04/1984	43	17.9	10.9	14.4	-0.1	21.0	3	3.5	30	70	4	-17	38	26	..
Patea 06/1984	43	14.6	9.0	11.8	+1.7	17.5	21	2.5	25	67	11	-32	16	10	..
Dunroon 08/1984	350	..	..	..	..	..	..	..	..	45	11	-43	13	22	..
Dunroon 09/1984	350	..	..	..	..	..	..	..	..	46	..	-19	14	13	..
Boyle River Lodge 09/1984	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Craigieburn Forest 09/1984	914	11.5	0.6	6.1	+0.5	17.0	5	-5.0	17	87	18	-54	37	12	..
Waipara 09/1984	64	..	..	..	..	..	..	..	..	9	5	-32	3	18	..
Ashley Forest 09/1984	107	13.8	4.5	9.2	-0.1	20.0	11	1.0	3	14	8	-42	4	30	149
Kurow 07/1984	207	10.2	1.0	5.6	..	15.8	31	-3.4	19	31	11	..	11	21	..
Kurow 08/1984	207	12.3	2.6	7.5	..	18.4	18	-4.0	9	26	9	..	9	4	..
Knobs Flat 08/1984	360	9.7	0.3	5.0	..	14.7	12	-5.9	8	232	..	+73	42	21	..
Knobs Flat 09/1984	360	11.6	0.0	5.8	..	17.0	23	-2.9	7	163	..	-52	22	28	..
Naseby 09/1984	607	12.7	-0.4	6.2	..	17.8	5	-4.4	17	53	6	..	25	29	..
Oamaru 09/1984	5	13.4	5.0	9.2	..	19.9	5	0.1	18	13	5	..	4	5	..
Queenstown 09/1984	329	14.0	2.7	8.4	+0.1	19.5	23	0.2	7	54	9	-23	26	12	175
Clyde(Dsir) 08/1984	171	12.6	0.7	6.7	..	18.2	19	-6.2	9	21	11	..	12	4	..
Alexandra 03/1984	141	21.5	9.9	15.7	..	27.1	27	3.0	23	63	16	..	11	5	151
Alexandra 04/1984	141	18.9	3.8	11.4	..	24.2	7	-0.5	11	16	9	..	5	27	155
Alexandra 05/1984	141	10.9	-0.7	5.1	..	17.5	14	-6.5	23	16	9	..	8	5	98
Alexandra 06/1984	141	11.0	-0.6	5.2	..	17.8	18	-7.5	24	26	10	..	8	25	103
Alexandra 07/1984	141	8.1	-1.5	3.3	..	17.0	31	-6.6	19	46	11	..	13	20	82
Alexandra 08/1984	141	13.0	0.1	6.6	..	17.5	18	-5.0	9	18	8	..	5	3	137
Alexandra 09/1984	141	15.9	0.9	8.4	..	20.6	11	-2.3	8	17	5	..	9	12	178
Rarotonga Airport 07/1984	7	25.2	18.6	21.9	+0.1	28.0	7	13.8	3	19	15	-65	6	13	161
Rarotonga Airport 08/1984	7	24.8	18.4	21.6	-0.2	27.1	9	14.5	16	146	12	+15	84	11	178
Raoul Is 07/1984	38	19.2	14.6	16.9	+0.6	21.3	1	9.1	17	151	22	-26	42	5	105

The "normal" refers to the present site of the instruments. Standard period for normals is 1951-1980. No normals are available for stations with only short records.

\*Indicates that the sunshine recorder is not located at the station but is in the near vicinity.

A rainy day is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall have occurred more than once during the month, the date of the first occurrence is given.

## THE WEATHER IN NEW ZEALAND IN OCTOBER 1984

*General*—October was a dry, sunny month.

Winds from a southerly quarter were more frequent than usual in the north while southern areas had more westerlies than normal. There were fewer very strong winds than usual for the time of year.

Pressures were higher than normal in northern and western areas and slightly lower than usual in the south.

Apart from the south and west of the South Island most farmers reported that conditions were too dry for good growth this month. Very little hay and silage are being made and stock are reported to be just holding condition in many areas. Feed is particularly scarce in parts of Canterbury and North Otago.

Very low temperatures and frost affected much of the country on the 1st and 2nd and there were reports of damage to kiwifruit vines from Bay of Plenty, Nelson and Marlborough.

Intense frontal activity brought thunderstorms, hail and strong winds to Wellington and Hawkes Bay on the 22nd. Light snow showers fell in parts of Hawkes Bay and orchards and vineyards were severely affected in some areas.

*Rainfall*—The North Island and the north and east of the South Island were much drier than usual this month. Apart from the south of the North Island, which had between 70 and 90 percent of normal rainfall, rainfalls were generally less than half the average for October. Northland, Bay of Plenty, areas of central and northern Hawkes Bay, South Canterbury and Otago were exceptionally dry, with many stations in these areas receiving less than 10 mm rainfall making this their driest October (and in some northern areas, driest month) on record.

Southern Westland, Fiordland and Southland were wetter than usual this month. Rainfalls were generally only slightly above normal in Southland but up to twice normal in southern Westland and Fiordland. Milford Sound was particularly wet with 1004 mm of rain this month, of which 964 mm fell in the 17 days between the 5th and 21st.

*Temperatures*—Temperatures were between normal and 0.5°C below normal in the North Island and south and west of the South Island, and up to 1°C warmer than normal in northern and eastern areas of the South Island this month.

The first 3 days of the month were very cold, with mean temperatures 4–6°C below average, and maxima 10°C below average in some areas. Frosts were very widespread.

There were 2 especially mild periods this month. The period from the 14th to 17th, particularly in northern and eastern areas of both Islands and central Otago, was unseasonably warm. Maximum temperatures exceeded 20°C on several days in these areas during this time, and mean temperatures were up to 7°C above average. The end of the month was also very mild, with mean temperatures up to 6°C above average over the whole country on the 29th and in the North Island on the 30th–31st. Many places again recorded maxima above 20°C.

*Sunshine*—October was a very sunny month. While stations in the south and west of the South Island had normal or slightly below normal sunshine hours this month the rest of the country was much sunnier than usual, with many stations recording between 40 and 60 hours more sunshine than usual for October. This was the second sunniest October on record for many places, being exceeded only by October 1954.

Among those stations with the greatest sunshine departures this month were: Tauranga (+60 hrs), Timaru (+56 hrs), Auckland (+52 hrs), Gisborne (+51 hrs), Rotorua (+50 hrs) and Wellington (+47 hrs).

## THE WEATHER SEQUENCE, OCTOBER 1984

1–7 October

A complex trough covered New Zealand on the 1st, with small fronts lying over eastern areas of both Islands and a strong southerly flow over most of the country. Temperatures were cool and there were showers in eastern areas of both Islands on the 1st and 2nd. By the 3rd the trough lay to the east and an extensive anticyclone, centred in the Tasman Sea, began to move on to the country. Temperatures remained cool, but the showers cleared from most areas during the next 2 days. The anticyclone covered the country by the 5th and the weather became generally fine and milder.

A depression developed to the south-west of the South Island and a cold front associated with this began to cross the south-west of the South Island on the 6th. Rain fell in Fiordland and Westland on the 6th and spread to other western areas and central districts on the 7th as a complex trough developed with the front and began to cross the country.

8–14 October

The frontal system lay to the east by the 8th, with a south-westerly flow on to the country. Rain continued in southern and western areas of both Islands. A strong, moist, north-westerly flow associated with a deep depression near MacQuarie Island brought heavy rain to western and southern areas of the South Island and showers about Cook Strait on the 9th and 10th as an associated front crossed the country.

A second deep depression developed to the west of MacQuarie Island on the 12th and an associated front again brought rain to western and southern areas of the South Island between the 12th and 14th. An anticyclone moved on to the North Island on the 13th and fine, warm weather prevailed over the North Island and the north and east of the South Island on the 13th and 14th.

15–21 October

Rain continued to affect the south and west of the South Island on the 15th and 16th as a series of fronts, travelling within the westerly flow, crossed the country. Over the rest of the country the weather was generally fine and mild. During the 17th a complex trough began to move on to the country and the rain spread into southern areas of the North Island.

Rain became widespread during the 18th as the trough began to cross the country. This system moved quickly eastward and by the 20th a disturbed westerly flow again covered the country. Rainfall continued to be widespread over the South Island, apart from isolated eastern areas, and there were lighter falls over many parts of the North Island during the 20th and 21st. Temperatures were generally cool.

22–31 October

The trough lay just to the east of New Zealand on the 22nd, with a following strong south-westerly flow over the country. Temperatures were very cool and there were showers in many areas. The whole country had fine, settled weather between the 23rd and 28th, due to a large anticyclone which moved on to the country.

Although initially cool, temperatures had become mild by the 26th. The high pressure belt remained over the north of the country until the end of the month, bringing mild, settled weather to the North Island. However, rain fell in Westland and Fiordland on the 29th as a cold front crossed these areas and in northern and eastern areas on the 30th as the front moved eastwards. Fine, settled weather prevailed on the 31st as the field of high pressure extended southwards.

J. S. HICKMAN, Director.

