

LAND & DEEDS OFFICE

23 JAN 1987

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 15 JANUARY 1987

Published by Authority

WELLINGTON: FRIDAY, 16 JANUARY 1987

CLIMATOLOGICAL TABLE FOR OCTOBER 1986

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for October 1986

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	mm	mm	mm	mm	Hrs			
Cape Reinga	191	18.0	12.0	15.0	+0.9	20.6	9	10.0	6	47	20	-26	24	24	..
Aupouri Forest	69	18.6	12.6	15.6	+0.9	20.3	16	9.1	15	71	17	-37	28	24	..
Kaitaia	8	19.4	10.8	15.1	..	21.0	11	5.2	15	80	17	..	37	24	..
Kaitaia	85	18.1	11.6	14.9	..	19.8	11	6.8	15	80	20	..	29	24	175
Kerikeri M A F	79	19.7	10.1	14.9	..	22.7	11	5.4	1	99	21	..	28	24	..
Kerikeri Downs 2	74	19.0	10.2	14.6	..	21.6	11	5.5	15	72	21	..	20	24	..
Kerikeri Aero 2	150	19.6	10.0	14.8	..	22.5	4	5.5	1	100	16	..	20	24	..
Waioemarama	229	16.5	11.1	13.8	+0.6	18.4	11	7.6	7	118	19	..	54	24	..
Waipoua Forest	88	17.8	10.4	14.1	+0.6	20.3	11	5.0	15	102	17	-47	31	24	..
Dargaville Maf	20	17.9	10.6	14.3	+0.4	20.7	25	4.1	15	86	17	-17	21	24	179
Glenbervie Forest	107	18.9	9.0	14.0	+1.0	23.0	11	1.9	15	60	16	-96	18	16	..
Whangarei Aero	37	19.4	11.5	15.5	+0.9	23.3	11	7.7	15	36	15	-84	7	25	..
Whangarei Hospital	29	19.5	10.6	15.1	+0.7	24.0	25	6.0	15	50	19	..	9	24	183*
Marsden Power Stn	3	20.5	..	..	..	24.0	11	..	..	79	19	-25	18	16	..
Pouto	97	17.8	11.9	14.9	..	20.2	14	9.0	7	51	15	..	11	25	..
Leigh 2	27	18.2	12.3	15.3	+0.9	20.7	11	9.8	15	64	15	-30	17	24	183
Warkworth	72	18.5	9.9	14.2	+0.6	22.0	25	4.3	15	94	18	-18	20	25	..
Woodhill Forest	30	17.9	11.3	14.6	+0.9	20.0	25	5.1	8	123	19	+26	49	24	..
Riverhead Forest	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kumeu	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whenuapai	26	18.3	10.5	14.4	+0.8	21.8	25	4.1	15	102	17	-1	36	24	..
River Park Henderson	4	19.9	10.2	15.1	..	22.9	25	3.4	8	120	20	..	56	24	..
Auckland Albert Park	49	19.0	12.0	15.5	+0.7	21.8	25	8.9	15	100	19	+3	39	24	176*
Auckland Owairaka	41	18.5	11.1	14.8	+0.8	21.5	25	5.9	15	86	16	-15	38	24	..
Port Fitzroy	4	19.0	11.3	15.2	+0.7	21.0	28	5.5	8	85	20	-47	25	24	..
Little Barrier Is	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rotorua Is	30	17.7	12.2	15.0	..	20.4	26	9.1	19	127	14	..	35	9	..
Awaroa Valley	30	18.6	11.0	14.8	..	21.5	26	6.1	19	119	15	..	44	24	..
Manukau Heads 2	244	16.8	11.1	14.0	..	18.9	31	8.2	7	68	15	-5	37	24	..
Coromandel	43	19.2	10.8	15.0	..	22.0	9	4.7	19	104	16	..	33	24	..
Whangapoua Forest	4	19.6	10.5	15.1	+1.2	22.2	26	4.3	8	108	13	-29	40	24	..
Thames 2	3	18.7	11.8	15.3	+0.6	21.2	28	7.1	19	93	20	+1	39	24	..
Tairua Forest	3	19.2	11.3	15.3	+1.4	22.6	26	5.9	8	73	18	-58	20	24	..
Ngatea 3	1	19.9	8.4	14.2	..	23.5	27	1.8	15	119	14	..	36	24	..
Paeroa	4	19.6	9.5	14.6	+0.9	23.2	28	3.1	19	112	22	+2	30	24	..
Waihi	91	18.8	10.2	14.5	+1.1	22.1	11	4.5	9	108	24	-61	24	24	170
Te Aroha	18	19.2	10.5	14.9	+0.5	22.2	28	3.9	19	103	21	-23	36	24	..
Katikati	2	19.9	10.3	15.1	..	23.1	25	4.7	19	73	17	..	20	24	..
Tauranga	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauranga Aero	4	18.2	10.1	14.2	+0.6	21.1	26	6.0	20	69	17	-37	18	24	221
Te Puke	91	18.8	8.8	13.8	+0.5	23.1	26	4.7	20	123	16	-22	40	10	184
Rotoehu Forest	72	18.2	7.3	12.8	+0.2	21.4	29	1.7	2	69	14	-65	18	24	..
Whakatane Aero	6	18.3	8.9	13.6	+0.6	21.0	4	4.0	1	84	14	-14	14	14	212
Te Kaha	6	18.6	10.7	14.7	..	20.5	28	7.4	21	128	14	..	35	24	..
Port Ohope	9	18.7	10.9	14.8	+0.9	22.0	30	7.0	19	84	16	..	20	28	206
Kinleith 2	383	16.3	8.1	12.2	+0.7	19.1	9	1.8	19	129	19	-11	27	24	..
Tikitere	338	16.6	9.0	12.8	+0.9	19.8	25	4.8	19	85	18	..	16	14	..
Kawerau	30	20.0	10.4	15.2	+1.2	24.0	8	5.5	19	82	12	-56	19	10	..
Te Teko	8	20.4	9.2	14.8	+1.2	23.5	4	4.4	1	72	12	-49	20	21	199
Rotorua Aero 2	287	17.3	8.9	13.1	+1.0	20.6	26	3.5	19	57	18	-59	11	24	181
Waiotapu Forest	435	16.6	..	..	..	19.9	28	..	..	68	23	-45	11	24	..
Atiamuri Power Stn	253	18.2	7.8	13.0	+1.0	21.5	26	3.7	1	106	20	-14	18	24	..
Kaingaroa Forest	544	15.5	6.9	11.2	+0.5	19.9	10	2.6	20	122	20	-2	28	31	..
Murupara	198	18.5	7.7	13.1	+0.5	21.7	26	2.0	1	100	21	-3	14	8	..
Ohaaki	350	17.5	7.8	12.7	..	20.5	25	1.7	19	113	26	..	25	9	..
Wairapukao Forest	437	17.1	5.9	11.5	+0.8	20.6	25	-0.5	1	144	19	+30	48	9	..
Taupo Nzed	376	16.9	..	..	..	19.9	25	..	..	79	20	-20	13	21	185
Wairakei Power Stn	342	..	..	..	..	..	..	..	..	95	18	-8	20	5	..
Wairakei Research Stn	402	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Minginui Forest	366	17.2	7.3	12.3	+1.1	20.8	26	1.5	19	144	20	+16	28	9	..
Taupo Aero	400	16.1	8.1	12.1	+0.9	20.9	25	3.4	17	92	20	-11	18	30	..
Waimihia Forest	762	13.6	5.4	9.5	+0.6	16.3	26	1.4	19	165	23	+19	29	30	..
Opotiki	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waimana	37	19.3	8.6	14.0	+0.7	21.5	4	2.8	1	97	15	-46	20	21	..
Matawai Maf Edl	580	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Auckland Mangere	4	18.1	11.5	14.8	+0.6	20.6	25	5.5	8	80	18	-11	33	24	196
Auckland Airport	8	18.1	11.9	15.0	+0.8	21.7	25	7.2	15	74	18	-12	36	24	214
Ardmore	30	18.3	9.9	14.1	+0.7	21.2	26	3.4	15	104	16	+0	42	24	..
Pukekohe Maf	82	17.9	9.7	13.8	+0.6	21.0	25	5.0	19	134	20	..	68	24	136
Maioro Forest	52	17.4	10.8	14.1	+0.4	20.4	10	5.4	8	84	16	-17	34	24	..
Hunua	122	17.8	8.3	13.1	..	22.5	30	2.2	8	193	18	..	73	24	..
Maramarua Forest	38	18.7	7.6	13.2	+0.2	21.5	25	0.5	17	110	22	+8	37	24	..
Te Kauwhata Maf	32
Huntly Nzed	34
Ruakura	40	18.3	8.5	13.4	+0.5	21.2	28	1.9	19	107	20	+10	35	24	181

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		Means of		Mean of A and B	Differ-ence From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Differ-ence From Normal	Maximum Fall		
		A Max.	B Min.			Maxi-mum	Date	Mini-mum	Date				Amount	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs		
Whatawhata	104	17.5	9.7	13.6	+0.6	20.9	28	3.7	19	143	19	+5	50	24	175
Hamilton Aero	50	18.5	7.6	13.1	+0.6	21.8	28	0.5	19	89	19	-12	34	24	..
Cambridge	76	18.7	8.6	13.7	+1.0	22.0	31	2.5	19	87	20	-2	30	24	..
Mokau Mohakatino Stn	46	16.5	10.7	13.6	+0.4	18.9	10	5.4	19	146	19	+16	31	21	..
Arapuni Power Stn	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waikeria	46	18.1	8.3	13.2	+0.6	21.1	9	1.3	19	109	19	..	20	24	..
Te Kuiti Wepb	61	17.9	9.0	13.5	+0.6	21.0	26	3.6	19	128	22	+0	19	21	144
Wairere	122	17.0	8.9	13.0	..	20.2	26	3.0	19	138	24	+13	24	21	..
Pureora Forest	549	14.4	6.7	10.6	+0.5	17.5	25	-0.5	19	177	27	+15	39	30	..
Mangakahu Valley	397	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taumarunui	171	18.0	8.9	13.5	+0.6	21.5	25	3.2	19	180	25	+53	31	21	123
Tokirima	152	17.5	8.4	13.0	..	20.8	30	1.4	1	180	22	..	31	21	..
Omata	61	17.0	10.6	13.8	+0.7	19.5	28	6.5	15	145	21	+22	33	10	..
New Plymouth	55	17.1	9.9	13.5	+0.6	20.6	28	4.7	15	167	20	+25	36	21	..
New Plymouth Aero	27	16.3	10.3	13.3	+0.8	18.8	28	5.6	15	124	20	+3	28	21	173
North Egmont	955	11.3	4.5	7.9	..	15.1	25	1.7	15	886	23	..	132	21	..
Te Wera Forest	180	16.5	7.8	12.2	+0.6	19.0	26	1.6	1	229	24	+75	41	4	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	16.5	7.7	12.1	+0.6	20.0	25	2.3	17	173	27	+36	25	10	165
Mt Ruapehu Chateau 2	1097	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	15.4	7.5	11.5	+1.0	21.4	31	1.5	20	283	20	+54	67	4	..
Waingawa	114	17.2	8.2	12.7	+0.8	22.8	25	2.6	20	79	21	+3	19	4	175
Kopua	311	15.9	8.2	12.1	+0.8	19.5	25	4.0	31	91	19	+7	16	27	..
Waipukurau Aero	137	17.5	..	..	..	23.0	25	..	..	53	18	-8	11	27	154*
Dannevirke	207	16.3	8.8	12.6	+0.7	19.6	31	4.5	20	94	22	+0	19	10	122
Porangahau	8	17.4	9.2	13.3	..	22.9	25	4.7	15	45	14	..	10	8	..
Castlepoint Light	3	..	10.9	..	..	..	..	6.7	20	40	15	-27	9	10	..
Ngaumu Forest	244	16.8	7.2	12.0	+1.0	22.1	25	1.3	20	73	18	-8	14	8	..
Tauherenikau	43	17.3	8.3	12.8	+0.6	23.0	31	3.7	15	68	12	-28	22	4	179
Waiorongomai	21	16.1	9.2	12.7	+0.8	20.1	31	2.9	15	139	19	+11	45	4	..
Martinborough	30	17.7	8.6	13.2	..	23.4	31	2.7	15	51	16	..	14	8	..
Cape Palliser	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruatoria	61	19.5	9.0	14.3	+0.5	23.5	2	3.2	1	42	19	-82	11	19	..
Mangatu Forest	182	18.8	8.4	13.5	+0.6	22.3	11	3.5	1	123	22	+35	18	18	..
Gisborne Manutuke	19.2	9.0	14.1	+0.6	23.6	26	2.8	1	60	15	-3	14	12	..	
Gisborne Aero	4	19.1	9.4	14.3	+0.7	23.7	26	4.9	16	55	16	-13	11	12	187
Waikaremoana Onepoto	643	14.9	7.2	11.1	+0.3	20.0	29	4.2	7	150	25	+3	27	13	..
Wharerata Forest	439	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokomaru Bay Maf Edl	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Esk Forest	427	16.7	8.4	12.6	+1.0	21.3	1	3.7	17	124	19	+0	21	8	..
Ngamatea Nzfs	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	16.7	8.6	12.7	+0.7	24.5	25	5.8	7	90	14	-11	18	8	..
Napier Aero	2	19.2	9.9	14.6	+1.4	25.6	25	6.1	29	72	14	+8	28	11	..
Napier Clive Square	2	19.8	10.8	15.3	+1.4	25.9	25	6.6	29	76	13	+15	19	11	186
Havelock Nth Dsir 2	9	19.8	8.8	14.3	..	26.7	25	3.5	17	36	12	..	9	19	184
Hastings Civic Sq.	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatu	6	19.1	9.3	14.2	..	26.1	25	3.9	1	43	12	..	9	18	..
Gwas Forest	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Makaretu	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohaka Forest	286	17.8	8.6	13.2	+0.9	22.8	25	5.2	1	96	19	-14	18	13	..
Wairoa Frasertown	8	19.2	10.1	14.7	+0.9	25.0	26	6.0	1	77	19	-25	15	12	..
Wairoa Hospital	20	19.1	10.2	14.7	+1.0	25.3	26	5.7	1	71	16	-31	13	12	195
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero	7	15.7	9.7	12.7	+0.3	18.0	9	3.3	20	191	17	+98	65	4	157
Bulls Flockhouse	9	..	9.3	..	..	..	..	3.2	20	63	21	-13	14	21	..
Ohakea	48	16.3	10.2	13.3	+0.6	19.4	30	5.3	20	85	19	+5	20	21	155
Kairanga Grasslands	15	16.9	9.5	13.2	+0.8	20.1	30	3.7	7	68	17	-11	18	11	155
Palmerston N Aero	45	16.9	9.5	13.2	+1.0	19.1	31	3.8	20	87	20	+7	21	21	..
Palmerston N D S I R	34	16.9	9.8	13.4	+0.8	19.3	31	4.7	7	108	21	+21	14	21	112
Foxton	9	16.9	9.3	13.1	..	19.8	30	2.7	7	80	18	..	24	11	159
Waitarere Forest	3	16.1	9.1	12.6	+0.1	18.8	30	2.2	20	98	16	+25	33	4	..
Levin Maf	46	16.2	9.3	12.8	+0.4	18.7	30	3.9	7	154	19	+59	51	4	120
Titahi Bay Te Pene Av	31	15.7	9.4	12.6	..	18.0	11	2.5	15	73	17	..	18	24	..
Lower Hutt Avalon	15	16.1	9.2	12.7	+0.2	19.0	30	4.6	15	137	21	+26	38	4	..
Wellington Highland P	120	14.8	8.8	11.8	..	19.0	11	5.3	20	100	21	..	17	21	..
Wellington Kelburn	125	15.0	9.4	12.2	+0.1	19.0	11	5.4	20	90	20	-11	12	5	167
Somes Is	43	14.7	10.0	12.4	+0.2	17.8	31	6.3	20	76	17	-5	11	21	..
Lower Hutt Gracefield	34	15.3	9.5	12.4	-0.1	18.5	31	4.8	20	126	18	+22	28	4	..
Wainuiomata Coast Rd	82	15.5	8.5	12.0	+0.2	19.2	30	3.0	15	122	21	-4	27	4	..
Wellington Aero	6	15.6	10.6	13.1	+0.3	19.1	31	6.8	20	56	15	-30	11	27	..
Rimutaka Forest	37	15.8	8.4	12.1	..	19.5	31	1.7	15	167	21	..	45	10	..
Kaitoke	223	15.1	7.7	11.4	+0.6	19.6	31	1.0	15	212	25	+30	86	4	143
Wallaceville	56	16.3	8.5	12.4	+0.7	19.2	31	1.6	15	117	23	+9	46	4	148
Cape Egmont	8	16.7	10.8	13.8	+0.7	18.2	26	5.0	9	108	24	-11	18	10	..
Stratford Dem Farm	311	15.8	7.8	11.8	+1.0	18.6	30	2.9	15	187	22	+2	39	21	172

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		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs			
Kapuni	173	16.2	8.7	12.5	..	19.9	26	4.1	15	96	23	..	19	21	..
Manaia Dem Farm	98	15.8	8.6	12.2	+0.2	18.9	26	3.4	15	111	20	+24	18	12	157
Normanby Edr	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Normanby Maf	122	16.3	9.0	12.7	+1.1	20.1	26	4.1	15	93	26	..	18	10	..
Patea Hospital	43	16.1	10.7	13.4	+0.5	18.0	16	5.0	15	79	14	-10	18	21	..
Pipiriki 2	80	18.4	9.6	14.0	..	22.5	25	5.1	1	135	22	..	28	10	..
Ohakune Junction 2	629	13.9	6.7	10.3	+0.6	19.0	25	2.1	29	160	..	+15	..	..	..
Karioi 2	648	14.6	6.1	10.4	+0.6	21.5	25	1.5	29	90	22	-12	13	27	..
Waiouru Mwd	823	13.5	5.4	9.5	+0.9	19.5	25	0.5	17	90	20	+5	15	9	..
Waiouru Military Camp	823	13.0	5.2	9.1	+1.0	18.8	25	0.0	17	76	23	-21	11	27	..
Ahu Ahu Valley	85	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taihape Rec	433	16.4	7.6	12.0	+0.9	23.0	25	2.5	29	99	24	+11	24	12	..
Taihape Kahui	518	15.5	7.7	11.6	+0.8	21.5	25	4.4	29	81	..	+3	13	27	..
Wanganui Cocks Gdns	22	16.9	11.0	14.0	+0.8	20.5	19	6.8	15	96	18	+21	24	10	..
Wanganui Aero	9	..	10.2	..	..	..	..	6.2	20	89	15	+18	23	10	..
Takaka Kotinga 2	25	17.9	7.7	12.8	..	21.6	26	3.4	2	187	19	..	41	20	149
Totaranui	10	17.0	8.6	12.8	..	21.0	31	5.1	23	305	16	+119	64	12	..
Westport Aero	2	15.6	9.1	12.4	+0.7	19.0	11	5.7	30	163	23	-24	25	4	147
Westport Te Kuha Edl	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cobb Dam	823	11.9	4.6	8.3	+0.3	17.0	29	0.7	19	183	22	-27	22	4	..
Arapito	20	16.9	9.3	13.1	..	20.8	24	5.5	15	276	21	..	39	4	114
Lake Rotoroa	443	15.3	5.4	10.4	..	20.4	31	1.0	20	196	24	..	48	4	..
Lake Rototoi Ranger	634	14.5	4.5	9.5	+0.6	20.7	31	-0.9	19	179	25	+25	43	4	..
Hokitika Aero	39	16.1	8.5	12.3	+1.1	18.9	9	4.4	8	245	21	-24	44	4	135
Punakaiki Rocks	4	16.3	9.9	13.1	..	19.0	12	7.6	8	186	24	..	42	4	..
Reefton Nzfs	198	17.3	7.0	12.2	+0.9	21.9	30	2.5	19	158	22	-21	18	21	..
Barrytown	30	15.9	9.8	12.9	..	18.3	12	7.2	7	229	23	+7	35	4	..
Totara Flat	77	17.7	..	..	..	21.1	28	..	..	110	20	-61	13	2	..
Greymouth Aero	4	16.0	9.2	12.6	+0.9	18.8	10	6.4	18	179	23	-42	26	3	115
Otira Substation	383	14.7	6.9	10.8	+1.2	19.7	30	3.2	28	408	20	-87	98	4	..
Springs Junction	421	15.5	5.6	10.6	+0.8	21.0	30	0.2	19	190	18	-12	36	3	..
Pukekura	86	16.2	6.9	11.6	..	18.0	12	1.4	18	366	15	..	113	4	..
Harihari Nzfs	45	16.7	..	..	..	19.5	12	..	..	381	20	+24	115	4	..
Okarito	10	..	8.8	..	..	..	..	3.3	18	266	20	..	63	4	..
Franz Josef	155	15.9	7.8	11.9	..	19.1	12	3.9	18	471	23	..	116	2	95
Fox Glacier Main Rd	152	15.4	7.6	11.5	+1.3	18.9	28	2.8	18	436	23	+15	115	2	..
Milford Sound	3	16.3	7.0	11.7	+1.5	19.9	6	4.4	30	450	15	-110	233	2	..
Deep Cove 2	3	16.0	5.8	10.9	..	20.0	12	4.2	28	384	15	..	156	2	..
Puysegur Point	43	13.5	8.8	11.2	..	16.3	9	6.2	14	138	22	-41	26	21	..
Stephens Is	187	14.0	9.5	11.8	+0.7	16.7	31	6.3	21	142	16	+69	24	11	..
Motueka Dsir	8	17.7	7.8	12.8	+0.6	21.2	1	4.2	20	144	17	+22	34	12	149
Tapawera	146	17.9	7.0	12.5	..	22.4	29	1.0	19	110	21	..	21	5	..
Pelorous Sd Crail Bay	13	16.3	10.0	13.2	..	21.1	2	5.5	20	214	..	..	80	4	..
Appleby	17	16.8	9.2	13.0	+0.7	20.9	1	5.1	20	116	16	+30	25	20	..
Nelson Aero	2	16.6	8.6	12.6	+0.6	19.4	1	4.5	20	122	17	+37	32	12	152
Rai Valley	79	17.1	7.7	12.4	+0.6	21.3	1	2.1	23	214	15	+33	76	4	..
Blenheim Research	4	17.8	..	..	..	23.4	31	..	..	41	17	..	7	19	176
Wairau Valley	162	16.9	7.0	12.0	..	22.3	31	-0.6	20	82	16	..	16	21	..
Blenheim Aero	64	18.0	7.3	12.7	+0.4	27.0	31	1.7	20	45	14	-19	9	5	..
Brancott Valley	64	17.9	7.6	12.8	..	23.7	31	2.3	20	112	17	..	56	31	..
Blenheim Wither Hills	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Duntroon	350	16.7	6.7	11.7	..	23.0	1	1.5	20	63	18	-14	14	21	..
Grassmere Salt Works	2	16.5	9.2	12.9	+0.3	22.6	25	3.2	13	45	12	+0	12	27	165
Boyle River Lodge	600	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hanmer Forest	387	15.7	5.2	10.5	+0.0	22.9	24	0.6	20	125	17	+23	20	18	140
Molesworth	893	13.4	3.0	8.2	-0.1	20.1	25	-2.1	20	54	14	-5	9	21	..
Kaikoura Met	108	14.2	8.9	11.6	+0.0	22.9	3	6.3	20	104	17	+42	32	11	157
Arthurs Pass	738	12.4	4.2	8.3	..	22.5	16	-1.0	20	337	18	-55	79	4	..
Culverden Mwd	174	16.5	6.5	11.5	..	23.0	25	2.5	7	54	13	..	20	11	..
Balmoral Forest	198	16.5	6.5	11.5	+0.5	23.2	25	1.5	20	59	16	+10	19	11	..
Waiiau Lyndon St 2	137	17.3	7.0	12.2	..	24.2	25	1.1	20	76	17	..	22	11	..
Cheviot	85	16.3	7.4	11.9	..	23.2	24	1.2	20	110	15	..	43	17	157
Mt Cook The Hermitage	765	14.5	4.5	9.5	+0.6	21.2	30	-0.2	8	251	20	-111	55	2	124
Mt John	1027	12.2	3.4	7.8	-0.1	17.5	24	-0.4	8	25	11	-22	6	4	..
Craigieburn Forest	914	13.0	..	..	..	19.2	25	..	..	122	20	-49	37	4	..
Lake Coleridge	364	..	6.6	..	..	..	..	2.0	20	86	17	+6	37	4	..
Highbank Power Stn	336	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hororata Substation	192	16.8	6.1	11.5	+0.5	24.6	3	0.6	20	109	18	+41	49	11	144
Winchmore Maf	160	15.5	6.8	11.2	+0.4	23.6	3	1.5	20	112	18	+51	42	11	..
Peel Forest	274	15.2	5.7	10.5	+0.4	23.6	3	2.0	17	161	26	+78	37	11	..
Ashburton Council	101	16.7	7.2	12.0	+0.0	24.8	3	1.9	20	85	13	+25	33	11	120
Waipara	64	16.4	7.1	11.8	-0.3	23.9	24	3.5	20	58	12	+5	22	11	..
Ashley Forest 1	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangiora Nzfs	46	17.4	7.1	12.3	+0.9	25.7	3	0.9	20	86	18	+35	29	11	..
Darfield	195	17.3	6.6	12.0	+0.5	25.2	3	1.4	20	107	17	+38	35	11	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for October 1986—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	mm	mm	mm	mm	Hrs			
Raoul Is	38	20.3	14.6	17.5	-0.1	22.7	27	10.7	2	32	10	-69	8	14	171
Campbell Is	15	9.7	4.3	7.0	+0.9	13.4	17	-5.8	1	59	25	-50	17	20	68
Waitangi, Chatham Is	44	13.1	8.7	10.9	+0.6	16.6	6	5.1	1	52	23	-7	12	12	101
Kaingaroa, Chatham Is	41	13.8	9.2	11.5	..	16.1	22	4.9	1	55	22	..	12	4	..
Scott Base Antarctica	16	-15.3	-26.5	-20.9	+1.8	-7.5	25	-40.8	3	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Leigh 2 09/1986	27	16.2	10.3	13.3	+0.4	19.0	28	7.9	10	85	19	-24	21	20	169
Riverhead Forest 09/1986	28	16.0	7.6	11.8	-0.1	19.6	16	0.8	1	99	19	-18	25	16	..
Waihi 09/1986	91	15.9	7.7	11.8	+0.2	19.2	16	0.3	10	115	16	-81	17	7	136
Taupo Nzed 09/1986	376	13.9	..	..	..	17.5	30	..	..	81	11	-16	29	15	141
Wairakei Power Stn 09/1986	342	14.5	4.5	9.5	-0.1	18.9	30	-3.4	1	87	10	-17	34	15	..
Wairakei Research Stn 09/1986	402	14.4	3.7	9.1	+0.0	17.9	30	-4.0	1	91	11	-15	36	15	..
Pukekohe Maf 09/1986	82	15.4	8.0	11.7	+0.0	19.2	21	3.4	1	76	18	..	23	7	105
Lower Retaruke 09/1986	223	14.5	4.6	9.6	-0.4	19.6	20	-2.8	1	136	16	+15	52	7	..
Mt Ruapehu Chateau 2 09/1986	1097	8.6	0.4	4.5	..	12.5	30	-5.5	10	247	..	..	..	..	..
Wharerata Forest 09/1986	439	..	..	..	..	..	..	..	..	355	14	..	88	17	..
Hastings Civic Sq. 09/1986	16	16.3	5.5	10.9	..	23.9	28	-1.1	1	90	13	..	49	16	..
Patea Hospital 09/1986	43	14.3	8.9	11.6	+0.3	18.0	7	3.0	24	90	13	+5	25	15	..
Taihape Kahui 09/1986	518	12.3	4.6	8.5	-0.4	16.4	30	-1.0	1	75	..	+1	..	..	..
Arapito 09/1986	20	15.5	6.4	11.0	..	19.3	20	2.5	19	170	16	..	37	27	132
Deep Cove 2 08/1986	3	11.5	..	..	..	15.2	25	..	..	128	12	..	35	19	..
Deep Cove 2 09/1986	3	12.1	3.4	7.8	..	17.0	21	0.5	19	500	..	..	..	..	..
Grassmere Salt Works 09/1986	2	13.3	6.0	9.7	-0.8	19.5	27	-1.0	18	46	13	+9	17	14	163
Cheviot 09/1986	85	14.1	3.7	8.9	..	21.4	26	-2.1	10	81	13	..	29	15	156
Mt Cook The Hermitage 09/1986	765	11.5	1.1	6.3	-0.2	18.1	30	-2.0	10	248	18	-95	62	6	135
Craigieburn Forest 09/1986	914	10.2	-0.3	5.0	-0.6	18.4	27	-3.8	10	145	13	+4	45	14	..
Highbank Power Stn 09/1986	336	12.5	4.0	8.3	-0.4	22.9	27	0.0	15	80	12	+14	31	15	156
Hororata Substation 09/1986	192	14.4	1.5	8.0	-0.6	24.2	27	-3.2	10	74	10	+25	27	14	161
Ashburton Council 09/1986	101	14.8	3.1	9.0	-0.6	25.8	27	-0.6	10	47	10	+2	15	14	153
Waipara 09/1986	64	14.4	4.1	9.3	-0.2	25.0	26	0.0	23	75	10	+34	26	14	..
Ashley Forest 1 08/1986	107	9.2	2.7	6.0	-1.3	16.7	20	-0.2	4	206	11	+136	68	23	123
Ashley Forest 1 09/1986	107	13.7	4.5	9.1	-0.2	22.5	27	0.4	10	67	11	+11	31	14	158
Lincoln 09/1986	11	13.7	3.1	8.4	-0.8	24.2	27	-2.4	10	46	8	+5	21	14	167
L Tekapo Nzed 09/1986	683	10.9	0.9	5.9	-1.2	19.0	27	-2.5	17	39	8	-14	17	14	..
Ikawai 09/1986	70	13.8	2.3	8.1	-0.5	21.0	27	-1.0	9	36	9	+6	10	15	..
Orari Estate 09/1986	81	14.2	2.5	8.4	-0.3	22.5	27	-1.4	10	56	11	+15	22	15	..
Temuka 09/1986	24	14.3	2.6	8.5	-0.3	22.8	27	-0.9	10	52	9	+11	29	14	..
Timaru 2 09/1986	17	13.4	4.3	8.9	..	20.4	6	0.3	10	33	8	..	15	15	183
Kurou 09/1986	207	14.2	3.7	9.0	..	22.4	27	-2.1	9	35	8	..	14	15	..
Maniototo School 08/1986	427	8.2	-1.2	3.5	-0.7	14.6	19	-5.1	26	12	5	-8	4	9	134
Maniototo School 09/1986	427	12.6	1.2	6.9	-0.2	20.0	27	-4.4	17	10	5	-12	4	1	175
Invermay Edr 06/1986	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Musselburgh 09/1986	2	13.1	6.1	9.6	+0.3	21.0	6	1.6	2	22	15	-27	4	1	137
Queenstown 08/1986	329	9.5	1.0	5.3	-0.2	14.5	20	-1.4	26	20	9	-39	6	10	119
Queenstown 09/1986	329	13.6	3.5	8.6	+0.3	18.3	27	-1.7	9	34	6	-43	19	6	190
Roxburgh Power Stn 09/1986	110	14.7	2.6	8.7	-0.3	20.0	27	-4.0	17	9	11	-18	2	28	..
Otautau Nzfs 09/1986	55	13.9	2.9	8.4	+0.1	19.7	6	-2.5	16	51	13	-30	11	7	147
Gore Grasslands Dsir 09/1986	123	12.9	3.8	8.4	+0.3	19.9	6	-1.2	16	21	14	-42	10	6	163
Balclutha Finegand 09/1986	6	14.0	3.9	9.0	+0.5	20.0	6	-2.5	16	18	11	-24	4	6	148
Owaka 09/1986	5	13.7	2.9	8.3	+0.1	19.8	6	-4.5	21	23	13	-30	6	6	..
Rarotonga Airport 09/1986	7	25.2	20.2	22.7	+0.4	28.0	22	16.8	3	239	12	+127	111	13	116
Totokoitu, Rarotonga 09/1986	9	25.2	19.5	22.4	+0.5	28.5	19	16.5	8	392	17	..	154	13	..

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

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

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

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

THE WEATHER IN NEW ZEALAND IN OCTOBER 1986

General—October was warmer, cloudier, and less windy than usual, in most places.

West to south-west winds prevailed with near normal frequencies for October over the North Island. North-easterlies prevailed over the south of the South Island. Their frequency at Invercargill was the highest on record there, for at least 30 years. North-westerlies usually occur with a high frequency at Invercargill during October, whereas this year their frequency was the lowest on record there.

Mean sea level pressures were 1 to 3 hPa below normal over the whole of New Zealand. The only places where high pressures (over 1025 hPa) were recorded this month were in the far north of the North Island. This was because all of the anticyclones passed either to the north, or to the far south of the country.

During the afternoon of the 18th, a severe hailstorm affected some areas in Hawke Bay. Some hailstones were reported to be up to 4 cm in diameter. Extensive damage to fruit trees resulted in about 100 orchards, and the total cost of the damage was estimated to be as high as \$20 million.

Most farmers reported good to vigorous grass growth this month. Stock on some farms in Hawke Bay, Wairarapa and Canterbury were noted to be in fair condition, due to wet pasture underfoot, and a lack of sunshine. In parts of Canterbury sowing of crops had to be delayed because of the wet soil conditions.

Rainfall—For the North Island rainfall totals were a little above normal in Southern Hawke Bay, Wairarapa, Manawatu and Horowhenua. Over 200 percent of normal rainfall for October was recorded at Paraparaumu Airport. Rainfall ranged from 50 to 75

percent of normal in parts of Northland and Bay of Plenty. Only about 35 percent of normal rainfall was recorded at Whangarei Airport.

Over the South Island October's rainfall ranged from 120 to 180 percent of normal in Buller, Nelson, Marlborough (except Blenheim), North Canterbury and coastal areas of South Canterbury. Rainfall ranged from 40 to 80 percent of normal in inland Canterbury, Otago and Fiordland.

Temperatures—Mean daily temperatures were between 0.5 and 1.0°C above the average for October, in most places. The warmest regions were Hawke Bay, Westland and Fiordland, where temperatures were about 1.5°C above normal.

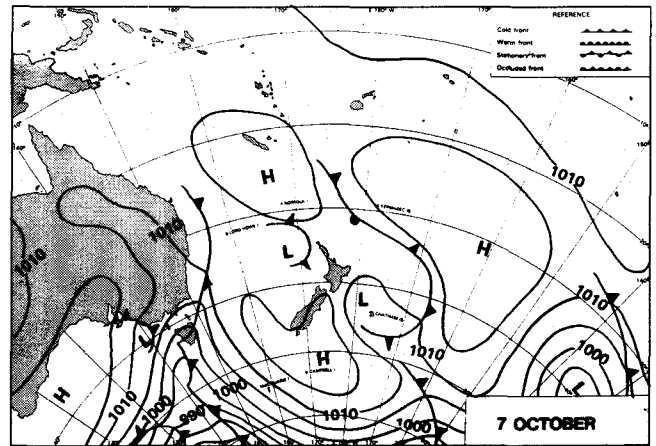
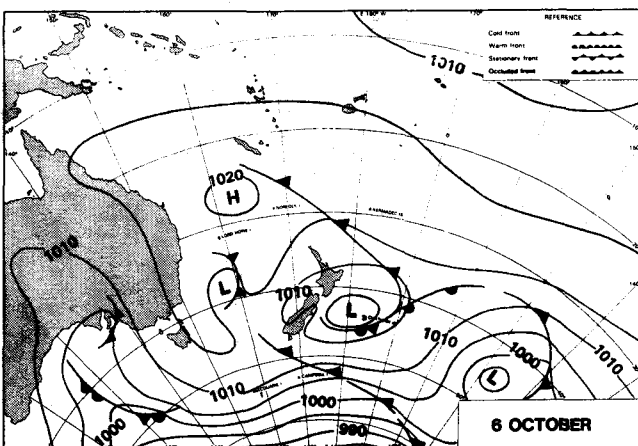
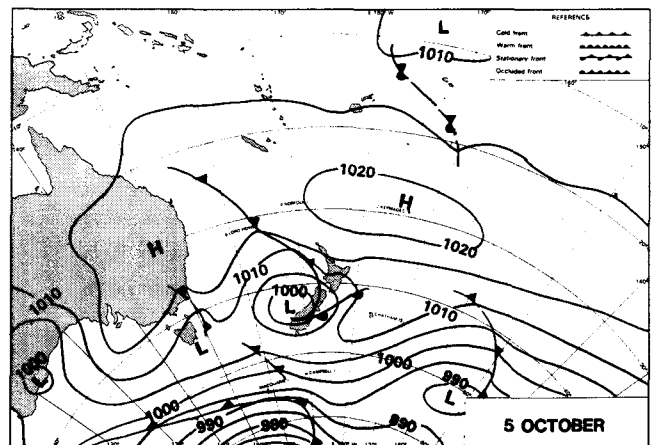
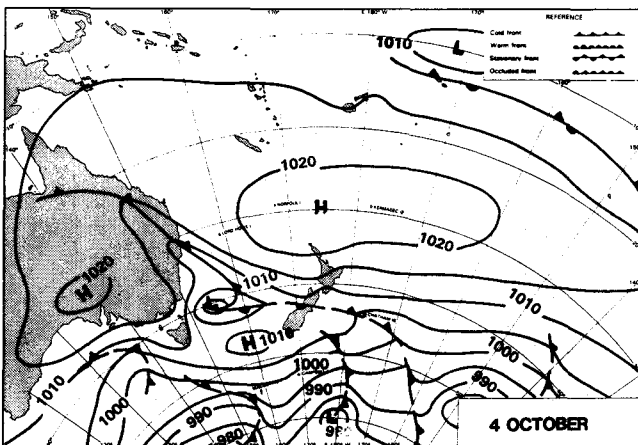
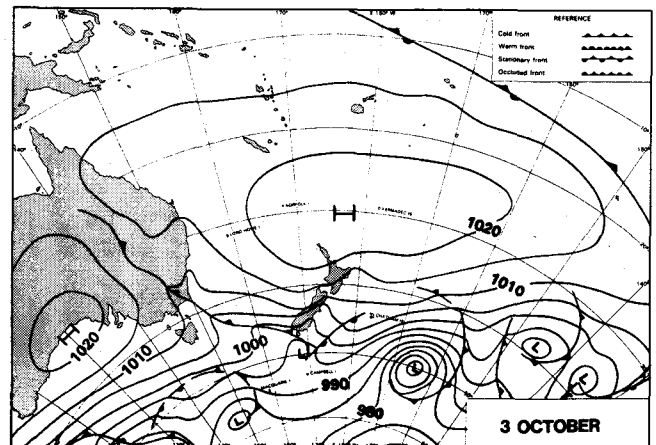
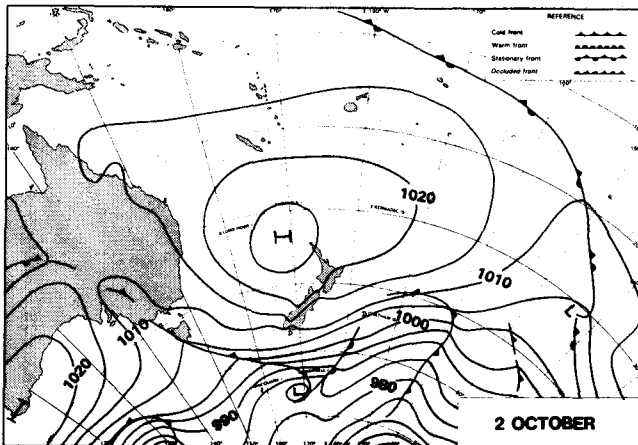
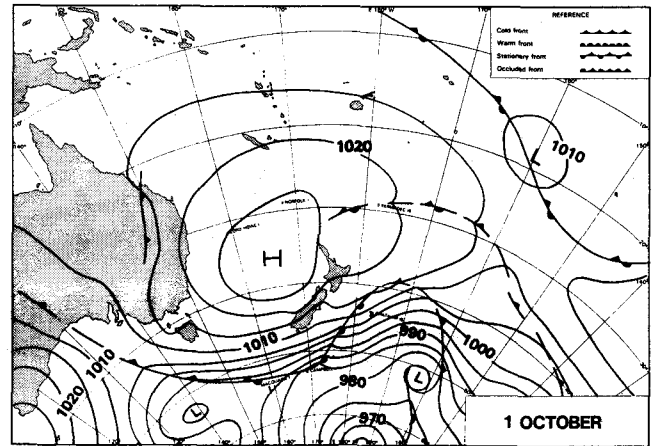
Due to frequent cloudy conditions, day-time maximum temperatures in most regions of the North Island (south of Auckland) were near average. In Auckland City, the mean daily maximum temperature of 18.5°C was the highest for October since 1967.

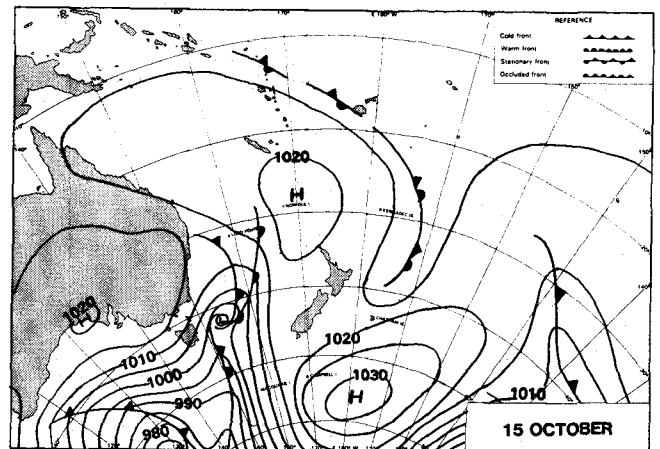
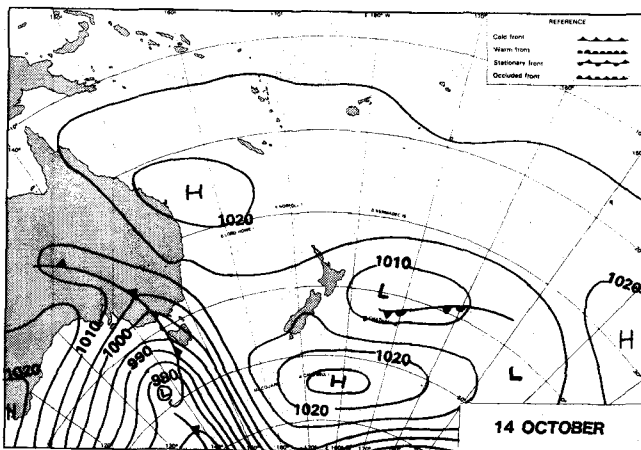
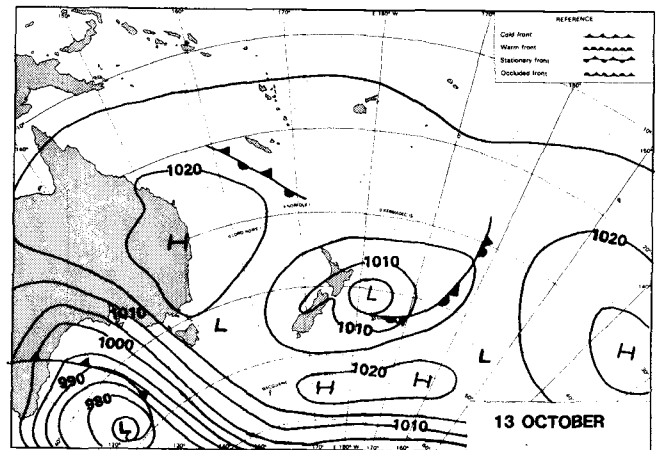
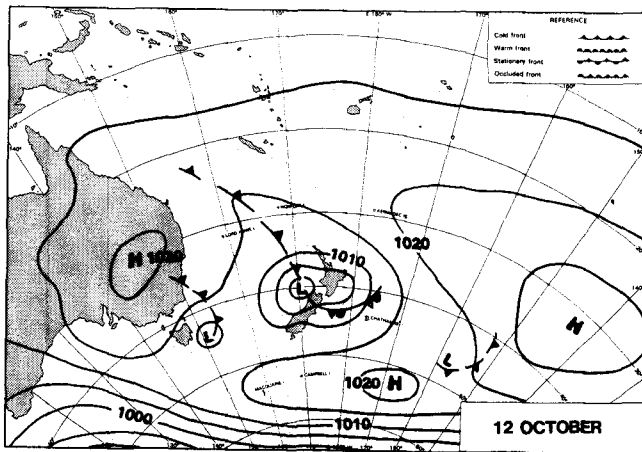
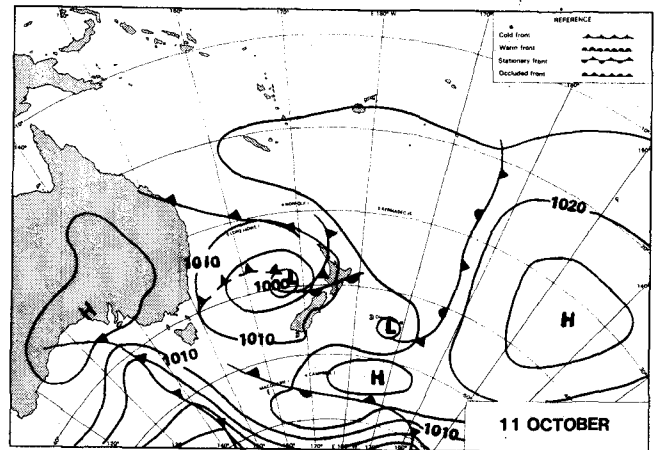
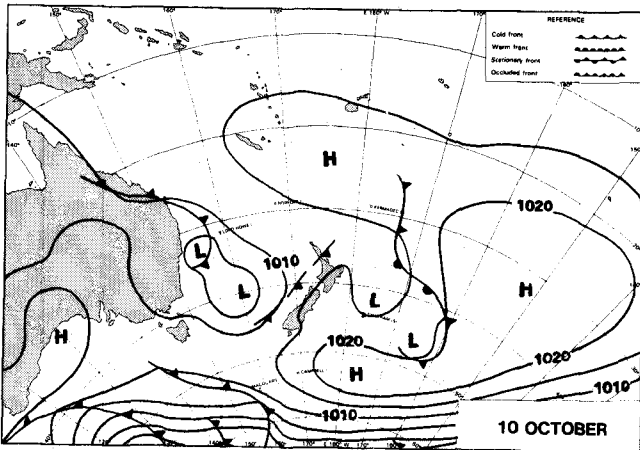
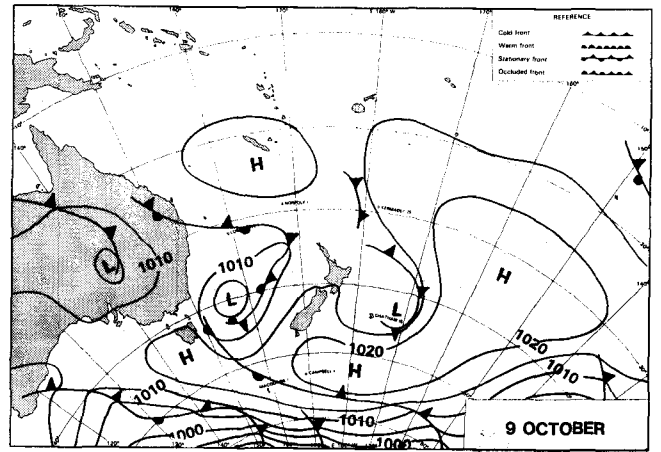
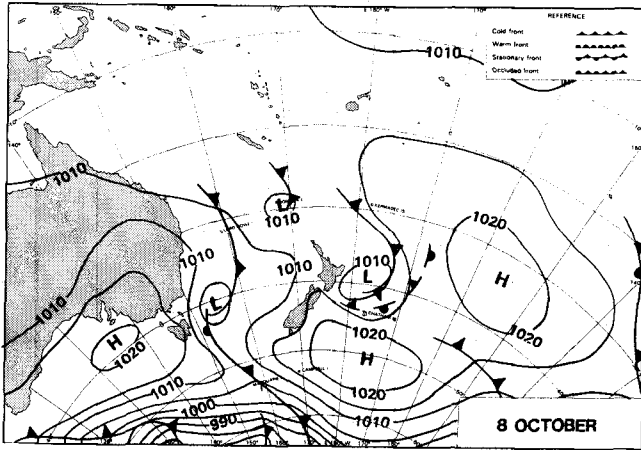
In the South Island, apart from Westland and Fiordland, day-time maximum temperatures were about 1°C below average. At Milford Sound the mean daily maximum temperature was the highest for at least 50 years. Night-time temperatures were 1 to 2°C above average throughout most of the country.

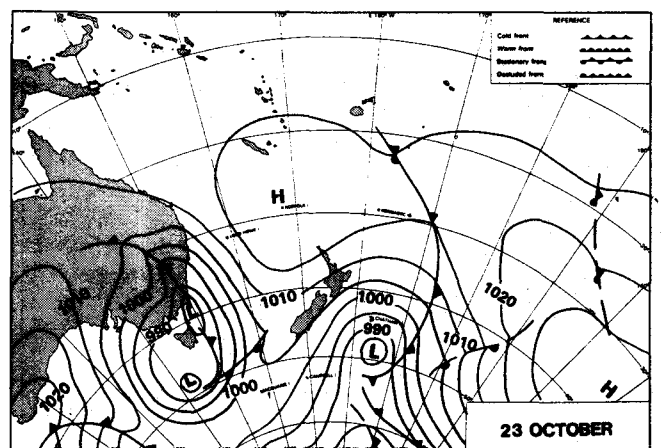
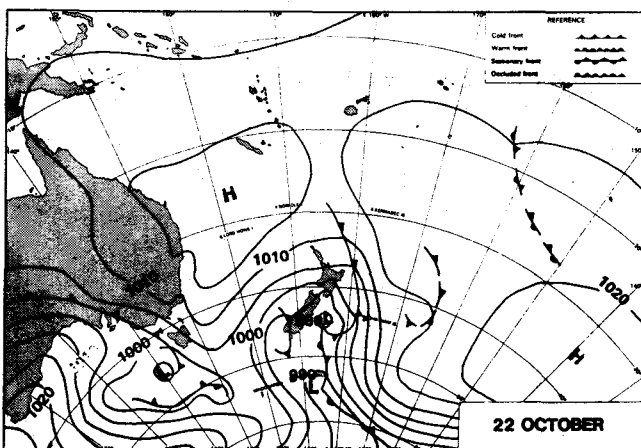
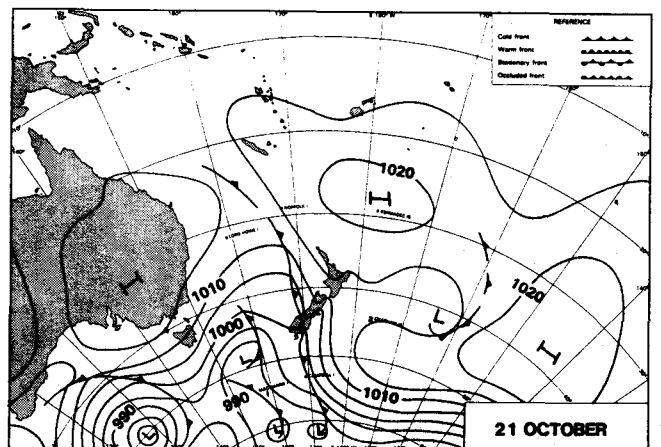
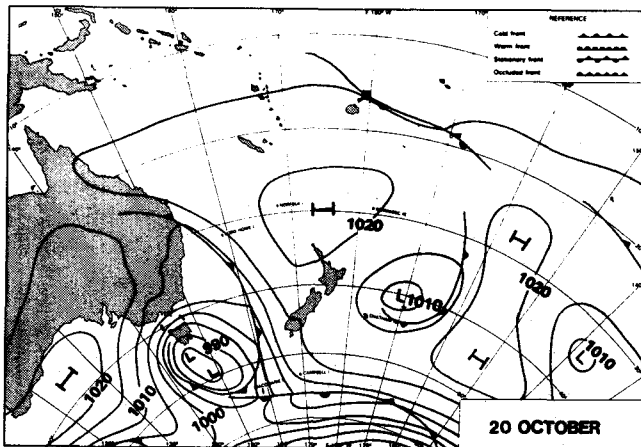
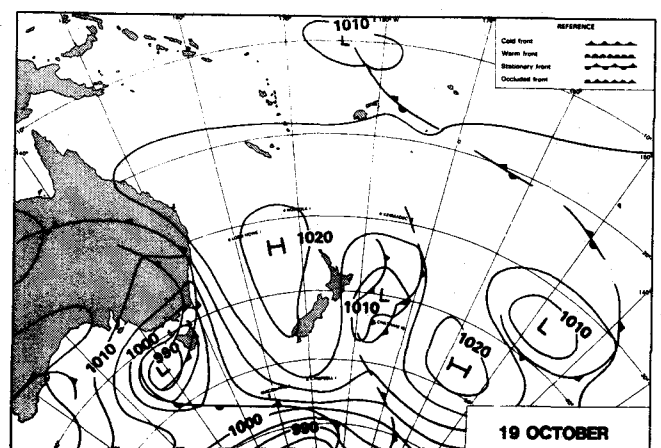
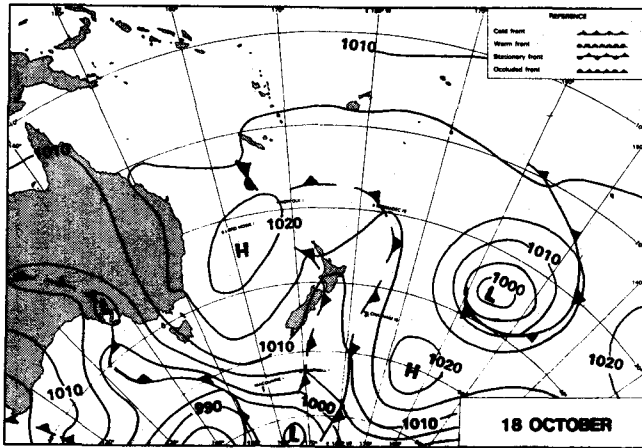
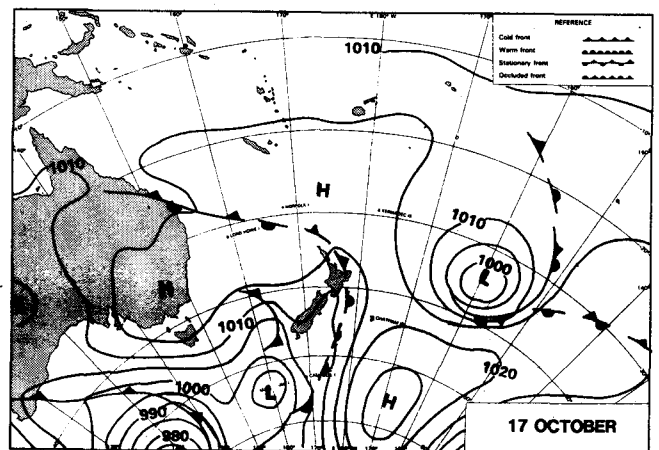
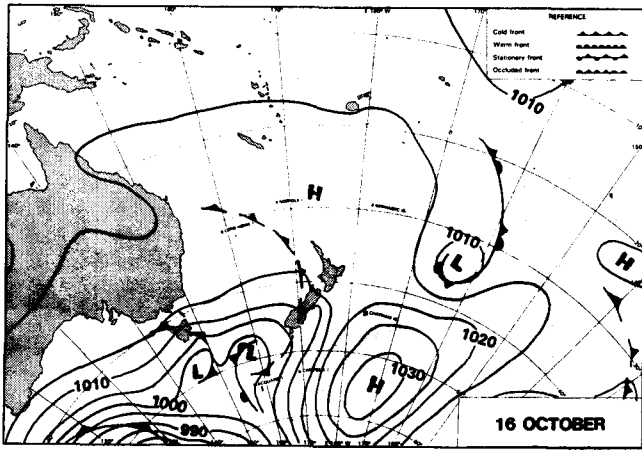
Sunshine—Hours of bright sunshine were below average in most regions, being about 70 to 80 percent of average in Manawatu, Nelson, Marlborough and Central Otago. The only regions where sunshine was above average were Auckland, Bay of Plenty, Southland and Fiordland. In these areas sunshine hours were about 110 to 120 percent of average.

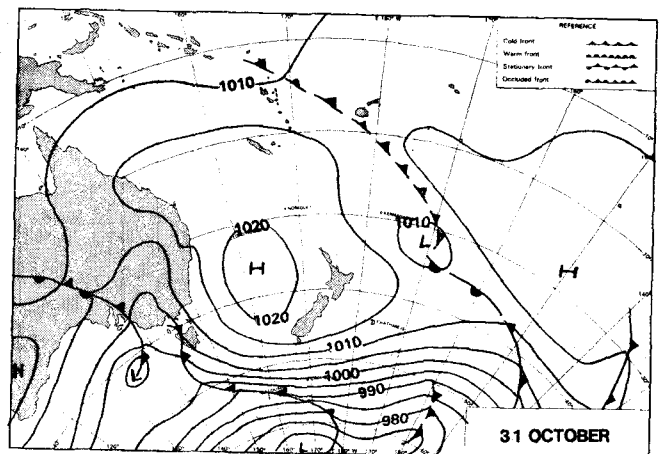
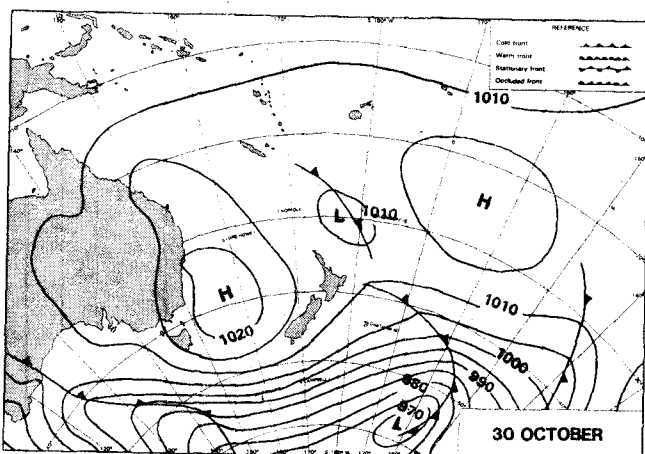
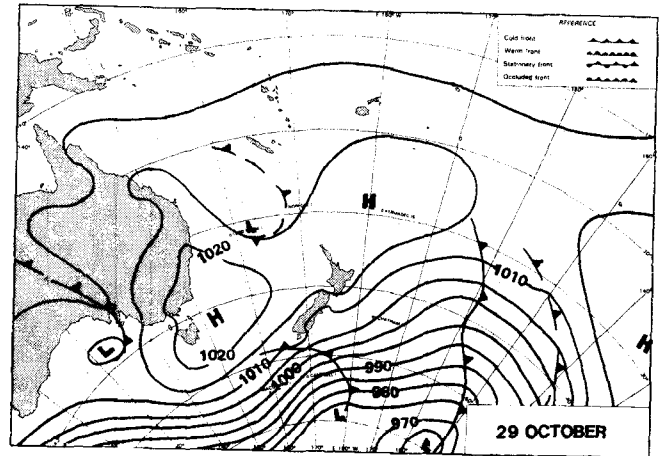
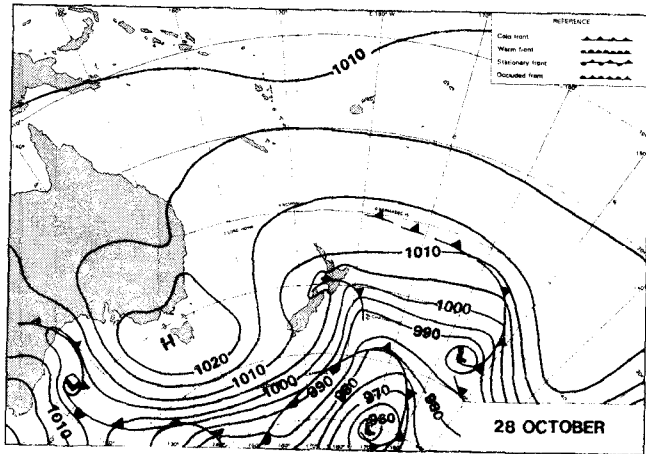
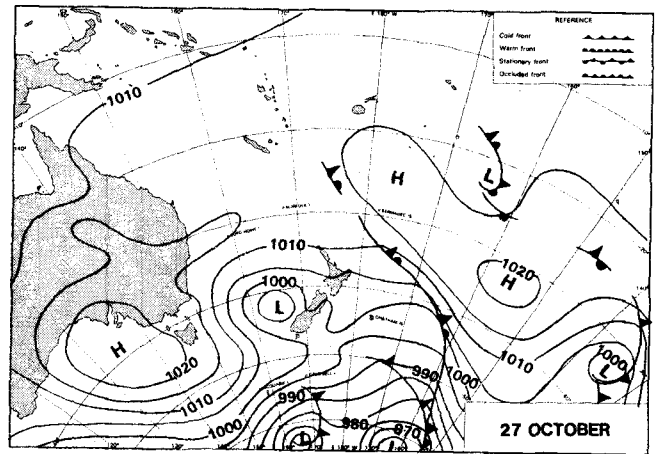
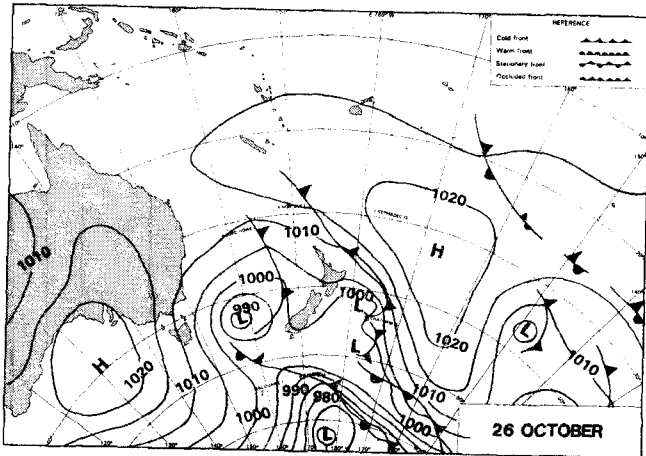
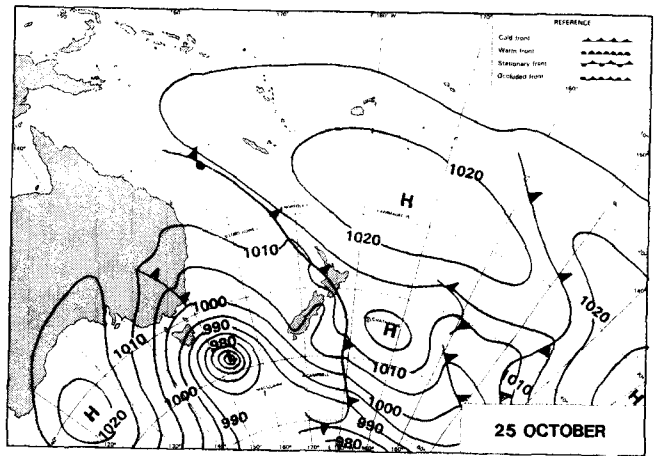
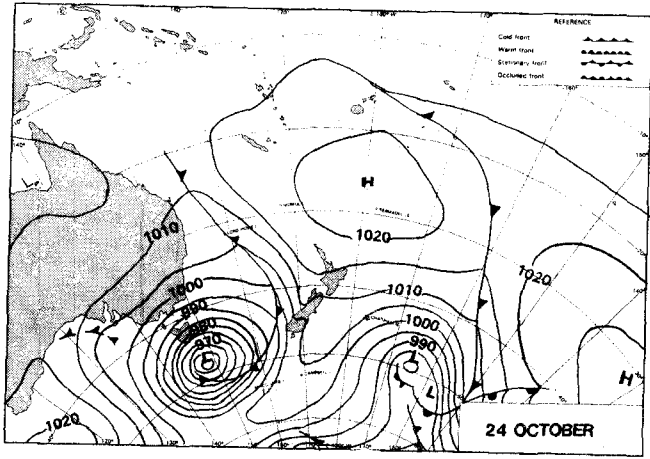
J. S. HICKMAN, Director.

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