

SUPPLEMENT
TO THE
NEW ZEALAND GAZETTE
OF
THURSDAY, 7 MAY 1987

Published by Authority

WELLINGTON: MONDAY, 11 MAY 1987

CLIMATOLOGICAL TABLE
FOR MARCH 1987

NEW ZEALAND METEOROLOGICAL SERVICE

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

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius							Rainfall in Millimetres					Bright Sun— shine Hrs	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maxi- mum	Date	Mini- mum	Date				Amount		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm		
Cape Reinga	191	21.8	14.5	18.2	-0.5	25.8	8	12.6	11	73	17	-5	20	31	..
Aupouri Forest	69	22.0	14.5	18.3	-1.0	24.7	8	10.5	30	92	19	+27	31	9	..
Kaitiāia	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaitiāia Observatory	85	21.8	13.5	17.7	..	24.2	6	7.9	27	100	20	..	31	9	198
Kerikeri M A F	79	22.6	12.0	17.3	..	25.4	5	7.4	27	141	20	..	29	31	..
Kerikeri Downs 2	74	22.1	12.2	17.2	..	25.2	5	8.4	30	103	18	..	22	31	..
Kerikeri Aero 2	150	22.2	11.9	17.1	..	24.6	5	7.5	27	136	15	..	35	9	..
Waiotemarama	229	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waipoua Forest	88	21.0	11.7	16.4	-1.2	24.5	22	7.0	18	139	17	+31	33	10	..
Dargaville Maf	20	21.3	12.3	16.8	-1.4	25.8	31	5.5	29	92	20	+9	24	10	196
Glenbervie Forest	107	21.9	11.0	16.5	-0.5	25.7	13	2.6	27	86	17	-91	25	31	..
Whangarei Aero	37	22.2	13.6	17.9	-0.9	25.0	31	8.6	27	98	17	-39	21	9	..
Whangarei Hospital	29	22.6	12.3	17.5	-1.1	25.5	23	7.8	27	117	14	..	34	31	184*
Marsden Power Stn	3	23.2	13.4	18.3	-0.8	26.4	31	9.5	18	149	18	+33	46	20	..
Poua	97	..	..	..	..	..	..	..	..	134	..	..	23	11	..
Leigh 2	27	21.4	14.1	17.8	-1.1	24.1	5	9.7	27	116	16	+22	28	31	204
Warkworth	72	21.6	11.6	16.6	-1.3	24.8	5	5.6	27	114	17	-19	26	23	..
Woodhill Forest	30	21.2	12.3	16.8	-1.2	25.5	31	6.1	29	130	17	+38	25	10	..
Riverhead Forest	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kumeu	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whenuapai Aero	26	21.8	11.9	16.9	-1.1	25.4	9	5.7	29	99	14	+6	20	20	..
Henderson, River Pk	4	22.8	11.4	17.1	..	26.7	9	6.0	29	123	17	..	23	10	..
Auckland Albert Park	49	..	..	..	..	..	..	..	..	153	17	+62	54	23	185*
Auckland Owairaka	41	21.4	12.7	17.1	-1.3	23.9	3	8.4	26	143	13	+50	48	23	..
Port Fitzroy	4	21.9	13.0	17.5	-1.3	23.7	9	8.3	28	101	19	-80	38	20	..
Little Barrier Is	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rotorua Is	30	20.7	15.2	18.0	..	23.8	5	10.9	26	151	10	..	56	20	..
Awaroa Valley	30	22.0	13.1	17.6	..	25.5	5	7.4	27	225	13	..	125	31	..
Manukau Heads 2	244	19.8	13.3	16.6	..	24.2	31	9.4	26	106	13	+29	23	11	..
Coromandel	43	22.3	12.6	17.5	..	25.7	9	6.1	27	197	16	..	98	20	..
Whangapoua Forest	4	22.8	..	..	..	26.2	6	..	..	259	..	+111	..	..	..
Thames 2	3	21.8	13.6	17.7	-1.0	25.0	5	8.5	27	217	16	+115	78	20	..
Tairua Forest	3	21.5	11.6	16.6	-1.3	24.9	5	5.4	27	499	14	+331	250	20	..
Ngatea 3	1	22.8	10.5	16.7	..	25.5	5	3.2	27	251	17	..	106	20	..
Paeroa	4	22.7	11.6	17.2	-0.7	26.4	9	4.7	27	293	15	+189	119	20	..
Waihi	91	21.4	11.7	16.6	-0.6	24.8	5	4.6	29	460	17	+268	214	20	184
Te Aroha	18	22.5	12.2	17.4	-1.0	25.9	5	5.6	27	317	16	+194	126	20	..
Katikati	2	22.3	10.8	16.6	..	25.7	4	4.4	27	421	16	..	138	20	..
Waitoa	18	22.5	11.3	16.9	..	26.0	9	4.4	27	283	16	..	104	20	..
Tauranga	2	21.5	13.0	17.3	-0.9	24.5	13	7.4	27	299	14	+169	97	20	..
Tauranga Aero	4	21.4	11.4	16.4	-1.4	24.4	5	5.0	27	261	13	+128	84	20	233
Te Puke	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatane Aero	6	21.7	10.3	16.0	-1.3	24.2	5	3.4	27	102	14	-22	17	2	232
Te Kaha	6	21.7	12.2	17.0	..	23.8	5	6.0	27	184	13	..	45	21	..
Port Ohope	9	22.0	12.6	17.3	-1.0	25.6	4	7.3	27	91	12	..	23	21	216
Kinleith 2	383	18.9	9.5	14.2	-1.6	21.4	8	2.4	27	219	15	+125	48	20	..
Tikitere	338	19.2	10.3	14.8	-1.4	22.1	9	3.9	27	268	14	..	61	2	..
Kawerau	30	22.5	10.7	16.6	-1.5	26.0	1	4.4	27	285	..	+125	54	20	..
Te Teko	8	22.6	10.4	16.5	-1.4	25.5	13	4.7	27	180	14	+35	37	2	210
Rotorua Aero 2	287	19.9	9.9	14.9	-1.4	22.6	13	3.0	27	226	16	+101	46	2	200
Atiamuri Power Stn	253	20.9	8.0	14.5	-1.5	23.5	3	1.7	27	188	11	+92	46	21	..
Kaingaroa Forest	544	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Murupara	198	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohaaki	350	19.9	7.9	13.9	..	23.5	20	-0.5	27	186	19	..	52	21	..
Taupo Nzed	376	19.3	8.3	13.8	-2.0	22.0	8	0.9	27	201	15	+121	70	21	182
Wairakei Power Stn	342	20.1	8.4	14.3	-1.6	22.7	2	3.5	17	231	18	+139	62	21	..
Wairakei Research Stn	402	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Minginui Forest	366	19.5	7.0	13.3	-1.7	23.6	13	-1.0	28	132	13	+36	42	21	..
Taupo Aero	400	18.7	7.6	13.2	-2.2	21.9	2	-0.7	27	186	13	+118	77	21	..
Waimihia Forest	762	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Opotiki	6	21.2	11.6	16.4	-1.3	24.9	1	4.9	27	198	12	+66	49	21	206
Waimana	37	21.9	9.4	15.7	-1.6	25.0	4	1.2	27	227	13	+74	47	15	..
Matawai Maf Edl	580	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Auckland Mangere	4	21.3	13.4	17.4	-1.1	24.2	9	8.9	29	102	16	+13	19	23	201
Auckland Aero	8	21.2	13.7	17.5	-1.1	24.4	9	9.3	29	85	14	+5	17	11	205
Ardmore	30	21.8	11.2	16.5	-1.4	24.5	4	5.2	27	105	16	+13	16	20	..
Pukekohe Maf	82	21.0	12.2	16.6	-1.1	24.2	9	7.2	27	140	15	..	27	11	184
Maioro Forest	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hunua	122	21.1	10.6	15.9	..	24.1	5	4.0	27	192	14	..	33	9	..
Maramarua Forest	38	21.8	..	..	..	25.5	9	..	..	101	14	+7	27	9	..
Te Kauwhata Maf	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ruakura	40	21.5	10.6	16.1	-1.0	25.4	9	4.5	27	198	14	+114	87	20	221
Whatawhata	104	21.2	11.0	16.1	-1.0	25.3	9	6.7	27	169	14	+58	52	20	196
Hamilton Aero	50	22.1	9.3	15.7	-1.1	26.3	9	2.8	27	203	11	+122	98	20	..
Cambridge	76	21.8	10.3	16.1	-0.9	24.3	31	3.1	27	264	13	+196	117	20	..

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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	B			Maxi-mum	Date	Mini-mum	Date				Amount		Date
		Max.	Min.	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm		
Mokau Mohakaito Stn	46	20.3	12.2	16.3	-1.2	22.0	3	7.0	26	122	12	+16	29	2	..
Arapuni Power Stn	123	20.9	9.5	15.2	-2.1	24.5	9	3.0	25	285	15	+190	91	20	..
Waikeria	46	21.8	9.3	15.6	-1.4	24.0	3	2.4	27	232	12	..	96	20	..
Te Kuiti Wepb	61	21.4	9.7	15.6	-1.5	25.0	3	4.1	27	189	15	+93	64	20	163
Wairere	122	20.7	9.4	15.1	..	24.0	3	3.4	27	176	16	+78	46	31	..
Pureora Forest	549	17.7	7.2	12.5	-1.6	20.6	3	2.1	26	213	17	+93	65	20	..
Mangakahu Valley	397	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taumarunui	171	21.2	8.4	14.8	-2.0	25.5	3	2.0	27	177	16	+95	39	20	156
Tokirima	152	20.6	7.6	14.1	..	23.5	3	0.4	27	124	15	..	30	20	..
Omata	61	20.4	12.4	16.4	-1.3	24.2	3	8.0	26	198	15	+112	85	2	..
New Plymouth	55	20.6	11.5	16.1	-0.9	23.2	3	7.5	27	224	16	+120	106	2	..
New Plymouth Aero	27	19.9	11.4	15.7	-1.1	23.2	3	5.7	27	130	14	+33	49	31	209
North Egmont	955	13.3	6.7	10.0	..	19.2	1	2.4	26	847	17	..	158	2	..
Te Wera Forest	180	19.3	7.3	13.3	-2.0	21.7	29	1.6	20	191	13	+73	53	31	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangī	366	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Ruapehu Chateau 2	1097	14.4	4.2	9.3	..	18.3	3	-2.2	27	224	15	..	52	31	..
Ruapehu The Chalet	1941	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	18.0	8.4	13.2	-1.1	24.0	9	1.0	28	255	..	+112	..	..	..
Waingawa	114	19.1	9.3	14.2	-1.7	26.0	9	2.8	27	189	24	+113	53	3	137
Kopua	311	18.3	9.4	13.9	-1.2	23.3	2	2.9	27	282	21	+182	73	21	..
Waipukurau Aero	137	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dannevirke	207	18.9	9.2	14.1	-1.7	25.0	9	2.6	27	195	18	+107	49	21	154
Porangahau	8	19.9	11.0	15.5	..	26.2	31	2.7	27	238	19	..	105	21	..
Castlepoint Light	3	19.5	13.1	16.3	-0.8	23.7	9	7.9	27	251	21	+170	90	3	..
Ngaumu Forest	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tauherenikau	43	19.3	9.7	14.5	-1.6	26.1	9	3.5	16	181	20	+98	59	3	127
Wairongomai	21	18.2	10.3	14.3	-1.4	23.2	9	3.2	27	224	19	+110	55	3	..
Martinborough	30	19.8	9.9	14.9	..	26.5	9	2.6	27	144	22	..	31	3	130
Ruatoria	61	21.8	12.2	17.0	-0.6	26.0	4	5.7	28	267	15	+97	128	21	..
Mangatu Forest	182	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gisborne, Manutuke	90	21.3	11.0	16.2	-0.9	25.0	9	3.6	27	113	18	+23	45	21	..
Gisborne Aero	4	20.9	11.3	16.1	-1.1	26.5	9	4.8	27	161	19	+69	69	21	169
Waikaremoana Onepoto	643	16.8	..	..	..	23.5	8	..	..	357	22	+184	122	21	..
Wharerata Forest	439	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokomaru Bay Maf Edl	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Esk Forest	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ngamatea Nzfs	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Napier Aero	2	20.9	11.5	16.2	-0.7	25.3	31	5.4	27	226	14	+142	109	21	..
Napier Nelson Pk	2	21.3	11.4	16.4	-1.2	25.4	31	3.5	27	236	19	+155	98	21	190
Havelock Nth Dsir 2	9	21.3	10.0	15.7	..	25.4	31	1.6	27	216	15	..	102	21	173
Hastings Civic Sq.	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whakatu	6	20.7	10.5	15.6	..	25.1	31	2.6	27	184	14	..	91	21	..
Gwavas Forest	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Makaretu	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohaka Forest	286	19.2	9.9	14.6	-1.5	24.8	9	2.5	27	277	18	+151	144	21	..
Wairoa Frasertown	8	20.5	11.3	15.9	-1.5	25.6	31	5.6	27	296	25	+175	88	4	..
Wairoa Hospital	20	20.6	11.9	16.3	-0.9	25.5	2	5.3	27	301	22	+198	101	4	173
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparau Aero	7	19.2	11.3	15.3	-0.9	22.4	11	6.3	7	84	11	+8	40	31	170
Bulls Flockhouse	9	20.1	9.8	15.0	-1.5	24.5	9	4.2	17	112	13	+50	24	31	..
Ohakea Aero	48	19.9	11.0	15.5	-1.4	25.3	2	6.9	7	127	15	+62	28	21	163
Palmerston N Kairanga	15	20.2	9.6	14.9	-1.5	25.0	9	3.8	29	91	10	+26	18	21	181
Palmerston N Aero	45	20.1	10.2	15.2	-1.2	24.7	9	2.2	20	116	14	+49	24	21	..
Palmerston N Dsir	34	19.9	10.9	15.4	-1.4	24.6	9	5.3	29	123	13	+51	36	21	153
Foxton	9	20.1	9.7	14.9	..	24.2	9	4.0	7	100	16	..	21	31	172
Waitare Forest	3	19.8	9.4	14.6	-1.7	23.8	9	2.5	17	82	10	+18	20	31	..
Levin Maf	46	19.5	10.6	15.1	-1.3	23.8	9	5.5	26	93	13	+16	29	31	140
Titahi Bay Te Pene Av	31	18.9	11.3	15.1	..	24.4	2	6.2	7	110	17	..	25	31	..
Lower Hutt Avalon	15	18.9	10.7	14.8	-1.5	23.1	9	5.9	16	198	20	+89	85	4	..
Wellington High, D Pk	120	17.4	11.3	14.4	..	21.6	2	7.3	27	137	19	..	30	3	..
Wellington Kelburn	125	17.3	11.9	14.6	-1.2	22.0	9	8.1	7	136	17	+40	33	3	156
Somes Is	43	17.6	12.2	14.9	-1.4	22.2	9	8.0	6	112	17	+28	26	3	..
Lower Hutt Gracefield	34	18.1	11.1	14.6	-1.7	22.8	9	6.1	16	226	17	+131	103	4	..
Wainuiomata Coast Rd	82	17.9	10.3	14.1	-1.5	22.0	2	4.5	16	335	23	+215	124	3	..
Wellington Aero	6	18.2	12.6	15.4	-1.1	22.7	9	7.4	16	111	20	+29	31	3	..
Rimutaka Forest	37	..	10.4	..	..	..	..	3.9	7	210	20	..	78	3	..
Kaitoke	223	17.5	8.4	13.0	-1.5	22.4	9	0.6	26	260	23	+109	92	3	134
Wallaceville	56	18.9	9.6	14.3	-1.2	23.7	9	2.9	29	238	21	+146	110	2	154
Stratford Dem Farm	311	17.6	9.5	13.6	-1.3	20.4	8	4.8	29	188	14	+58	50	31	168
Kapuni	173	18.8	9.6	14.2	..	24.7	31	4.0	16	169	15	..	68	2	..
Manaia Dem Farm	98	18.3	9.6	14.0	-2.0	21.4	31	3.6	20	142	15	+56	58	2	186
Normanby Edr	122
Normanby Maf	122	18.6	9.4	14.0	-1.6	21.2	23	3.8	17	118	19	..	32	31	..

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		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm			
Patea Hospital	43	19.1	11.0	15.1	-1.6	24.0	1	5.5	20	129	10	+59	41	31	..
Pipiriki 2	80	20.9	10.0	15.5	..	25.0	8	4.8	27	122	16	..	34	31	..
Ohakune Junction 2	629	16.7	6.8	11.8	-1.8	21.7	2	2.0	20	207	15	+107	36	21	..
Karioi 2	648	..	6.2	..	..	..	..	0.7	27	192	..	+116	47	4	..
Waiouru Mwd	823	15.4	6.1	10.8	-1.8	19.5	23	0.5	17	221	17	+143	48	21	..
Waiouru Military Camp	823	15.0	5.8	10.4	-1.9	19.5	9	0.0	17	215	19	+139	46	21	..
Ahu Ahu Valley	85	20.1	9.3	14.7	..	24.0	2	3.6	27	207	17	..	50	4	..
Taihape Rec	433	18.3	7.5	12.9	-2.0	23.2	9	2.1	17	169	17	+97	47	21	..
Taihape Kahui	518	17.7	8.3	13.0	-2.1	23.6	9	3.1	17	159	13	+91	38	21	..
Wanganui Cooks Gdns	22	20.0	11.3	15.7	-1.5	26.0	2	6.1	16	78	14	+15	28	31	217
Wanganui Aero	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Takaka Kotinga 2	25	20.0	9.9	15.0	..	23.7	3	3.2	26	200	18	..	56	9	153
Totaranui	10	19.7	11.2	15.5	..	23.8	3	4.6	26	186	14	+45	65	31	..
Westport Aero	2	18.8	11.4	15.1	-0.4	22.1	2	5.5	26	166	17	+4	48	9	159
Westport Te Kuha Edl	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cobb Dam	823	14.8	6.4	10.6	-1.3	19.1	8	-0.3	26	249	18	+71	68	2	..
Arapito	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Rotoroa	443	18.4	7.0	12.7	..	22.4	23	0.6	26	184	..	..	55	9	..
Lake Rotoiti	634	17.2	5.8	11.5	-1.3	21.0	8	-3.1	26	120	16	+7	34	9	..
Hokitika Aero	39	18.8	10.1	14.5	-0.4	22.6	12	2.3	26	191	16	-26	84	9	178
Punakaiki Rocks	4	19.4	12.7	16.1	..	24.0	9	6.4	26	200	17	..	43	23	..
Reefton Nzfs	198	19.9	8.5	14.2	-0.8	24.2	12	1.2	26	120	13	-11	40	31	..
Barrytown	30	19.2	12.3	15.8	..	22.5	9	7.1	26	165	15	-20	40	31	..
Totara Flat	77	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Greymouth Aero	4	19.0	10.5	14.8	-0.6	22.8	12	5.2	28	137	15	-68	46	9	166
Otira Substation	383	17.6	7.9	12.8	-0.7	22.5	22	1.0	26	412	18	+71	118	31	..
Springs Junction	421	17.7	6.8	12.3	-1.0	22.5	12	-1.2	26	166	14	+19	47	30	..
Pukekura	86	19.0	7.6	13.3	..	23.4	12	0.8	26	215	13	..	74	10	..
Harihari Nzfs	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Okarito	10	19.2	10.2	14.7	..	22.6	12	3.7	26	248	12	..	95	9	..
Franz Josef	155	19.2	9.6	14.4	..	26.0	21	4.6	26	472	14	..	162	30	112
Fox Glacier Main Rd	152	18.6	9.2	13.9	-0.1	23.2	12	3.3	26	472	13	+35	162	30	..
Milford Sound	3	19.0	8.7	13.9	+0.1	24.6	12	2.1	26	780	12	+115	336	29	..
Deep Cove 2	3	17.8	8.8	13.3	..	24.1	12	4.0	28	474	..	..	159	29	..
Puysegur Point	43	15.5	10.1	12.8	..	20.4	8	6.5	25	183	24	-26	30	9	..
Stephens Is	187	17.1	11.7	14.4	-0.9	20.6	1	8.1	26	93	11	+35	28	31	..
Motueka Dsir	8	20.4	9.9	15.2	-0.7	24.2	3	1.6	26	155	17	+47	39	2	198
Tapawera	146	21.0	8.1	14.6	..	24.6	13	-0.9	26	89	14	..	18	31	..
Pelorous Sd Crail Bay	13	18.7	12.6	15.7	..	21.7	24	6.9	26	203	..	..	38	2	..
Appleby	17	19.6	10.7	15.2	-1.1	24.1	3	2.8	26	127	13	+45	43	9	..
Nelson Aero	2	19.6	10.4	15.0	-1.0	22.6	3	2.3	26	146	17	+60	37	9	194
Rai Valley	79	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim Research	4	19.8	10.0	14.9	..	24.6	13	2.9	26	83	16	..	27	2	184
Wairau Valley	162	20.1	8.3	14.2	..	25.4	8	1.1	26	115	12	..	34	31	..
Blenheim Aero	64	20.5	10.0	15.3	-0.7	24.9	8	1.2	28	106	16	+48	39	2	..
Brancott Valley	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Duntroon	350	..	..	..	..	..	..	..	..	163	..	+96	..	..	..
Grassmere Salt Works	2	18.7	11.3	15.0	-1.0	23.9	13	0.5	5	112	16	+58	42	2	163
Boyle River Lodge	600	16.8	6.6	11.7	..	23.5	9	-0.5	26	210	..	..	52	11	..
Hanmer Forest	387	18.1	..	..	..	26.6	9	..	..	301	19	+212	107	3	131
Molesworth	893	15.7	5.1	10.4	-1.7	27.3	8	-1.8	27	70	12	+23	15	3	..
Kaikoura Weather Stn	108	16.9	11.4	14.2	-0.8	24.4	31	5.3	26	87	15	-9	29	3	142
Arthur's Pass	738	14.9	5.3	10.1	..	19.5	22	-1.5	26	406	18	+100	114	30	..
Culverden Mwd	174	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Balmoral Forest	198	18.5	8.4	13.5	-1.3	27.5	9	-0.2	26	137	17	+89	63	11	..
Waiau Lyndon St 2	137	19.6	8.4	14.0	..	30.0	9	0.1	26	153	16	..	70	3	..
Cheviot	85	18.1	8.8	13.5	..	26.8	9	1.4	26	152	16	..	60	3	138
Mt Cook The Hermitage	765	16.2	6.1	11.2	-1.4	21.4	8	-0.5	26	595	20	+204	185	30	132
Mt John	1027	13.6	5.6	9.6	-2.1	21.4	8	-0.2	26	186	10	+141	56	9	..
Craigieburn Forest	914	15.3	4.5	9.9	-1.9	21.5	8	-1.8	26	202	14	+111	54	10	..
Lake Coleridge	364	17.8	8.0	12.9	-1.1	25.5	9	1.0	26	129	14	+74	32	9	..
Highbank Power Stn	336	16.9	8.6	12.8	-1.3	24.4	9	3.6	26	211	13	+123	77	3	156
Hororata Substation	192	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Winchmore Maf	160	17.7	8.5	13.1	-1.0	26.1	9	1.8	26	173	10	+103	62	3	..
Peel Forest	274	17.8	7.0	12.4	-0.9	26.3	9	-1.4	26	321	24	+240	83	2	..
Ashburton Council	101	18.7	9.1	13.9	-1.3	28.9	9	1.6	26	163	12	+91	65	3	152
Waipara	64	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ashley Forest 1	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangiora Nzfs	46	18.6	8.8	13.7	-1.0	29.1	9	2.1	27	64	14	+1	17	3	..
Darfield	195	19.3	8.2	13.8	-1.1	26.4	9	1.6	26	144	11	+71	57	3	..
Eyrewell Forest	158	18.2	7.9	13.1	-1.3	27.6	9	0.9	27	140	12	+71	45	3	..
Christchurch Aero	30	17.8	9.8	13.8	-1.2	25.1	31	1.6	26	70	15	+9	21	25	160
Christchurch Gardens	7	18.7	10.2	14.5	-0.9	25.4	31	1.7	26	57	11	-4	16	3	..
Christchurch Bromley	9	18.1	11.4	14.8	-0.7	25.4	31	5.4	26	43	13	-8	10	3	..
Mt Pleasant	137	17.4	11.8	14.6	-0.8	23.8	31	5.8	26	44	12	-3	13	3	..

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for March 1987—continued*

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius								Rainfall in Millimetres				Bright Sun-shine Hrs	
		Means of		Mean of A and B	Difference From Normal	Absolute Maximum and Minimum				Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall		
		A Max.	B Min.			Maximum	Date	Minimum	Date				Amount		Date
	Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Lincoln	11	17.9	9.7	13.8	-1.1	24.9	9	0.9	26	100	14	+37	34	3	148
Quail Is. L&S	75	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Akaroa Rue Lavaud	3	19.2	10.5	14.9	-0.9	27.0	9	5.6	27	173	12	...	83	3	...
Lake Tekapo Nzed	683	15.6	6.1	10.9	-2.4	22.5	8	-0.5	26	185	10	+138	52	9	...
Fairlie Riverview Tce	304	17.9	6.9	12.4	...	26.2	9	0.8	26	203	13	...	44	10	...
Twizel Substation	451	18.3	7.0	12.7	...	24.9	9	1.2	26	147	11	...	49	9	...
Ikawai	70	18.0	7.6	12.8	-0.8	25.5	30	2.0	26	172	9	+114	58	10	...
Geraldine Nzfs	119	18.8	8.5	13.7	-0.8	28.4	9	0.0	26	169	11	+67	41	3	...
Orari Estate	81	18.1	8.4	13.3	-0.8	28.2	9	1.0	26	149	13	+74	44	3	...
Temuka	24	18.3	8.7	13.5	-0.8	26.8	30	0.7	26	118	13	+52	28	9	...
Timaru Aero	26	17.8	8.7	13.3	-0.7	26.3	30	-0.2	26	106	11	+49	32	9	...
Timaru 2	17	17.7	9.6	13.7	...	26.0	30	2.0	26	114	11	...	30	9	149
Waimate	61	17.9	9.5	13.7	-0.9	24.8	30	2.6	26	146	9	+83	40	11	...
Benmore Power Stn	253	18.7	9.4	14.1	...	25.6	9	3.3	26	124	13	+85	39	9	...
Aviemore 2	241	18.0	8.7	13.4	...	25.0	8	4.2	5	114	12	+71	37	10	...
Kurow	207	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Knobs Flat	375	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lake Hawea	350	17.6	7.9	12.8	-1.8	22.1	20	0.9	26	193	11	+129	72	9	...
Wanaka	296	18.9	7.7	13.3	-1.1	22.7	8	0.6	26	203	11	+143	83	9	...
Queensbury Mwd	277	18.4	7.9	13.2	...	23.2	13	-0.3	26	154	12	...	59	9	...
Bendigo 2	200	19.1	7.5	13.3	...	24.0	13	-0.4	26	114	13	...	49	9	...
Naseby Forest 2	607	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oamaru Spey St	5	17.2	9.2	13.2	...	26.2	30	3.0	26	116	10	...	36	10	...
Ranfurly Maniototo	427	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Herbert Forest	61	18.3	7.2	12.8	-0.6	25.0	30	1.8	28	193	9	+132	89	10	...
Palmerston	21	17.8	7.8	12.8	-0.2	25.0	30	2.0	26	198	12	+132	70	10	157
Cherry Farm Hospital	6	18.2	8.1	13.2	-0.1	25.0	30	2.0	26	158	12	+94	64	10	...
Taiaroa Head	72	15.4	10.6	13.0	-0.2	20.1	29	6.1	26	129	12	+71	38	10	...
Invermay Edr	30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Berwick Forest	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dunedin Aero	1	18.1	7.7	12.9	-0.3	26.9	8	2.0	27	123	14	+61	33	10	134
Dunedin Musselburgh	2	16.7	10.8	13.8	-0.2	22.2	29	5.5	26	150	15	+74	39	10	125
Te Anau Po	215	17.2	6.8	12.0	-1.0	21.3	22	0.1	26	165	11	+57	56	9	139
Manapouri West Arm 2	232	15.8	...	...	...	20.5	24	...	...	336	16	-29	93	29	...
Borland Burn	183	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Queenstown	329	18.1	8.0	13.1	-1.2	22.9	29	2.2	26	200	11	+127	97	9	168
Queenstown Aero	349	17.1	6.7	11.9	-1.2	21.5	29	0.6	26	179	12	+116	86	9	...
Gibbston Nevis Bluff	366	18.1	7.5	12.8	...	23.5	8	1.0	26	191	9	...	82	9	...
Burwood Bush	490	16.2	4.8	10.5	...	21.3	12	-3.3	27	222	...	...	...	...	...
Cromwell Sub Stn	213	19.2	8.3	13.8	...	24.5	8	0.5	26	118	11	+73	57	9	...
Cromwell Mwd	213	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Northburn	210	19.2	7.9	13.6	...	24.3	8	0.8	26	139	13	...	53	9	...
Cromwell 2	213	18.8	7.4	13.1	...	24.1	8	0.1	26	134	14	...	56	9	175
Clyde Dam	160	19.0	7.7	13.4	...	25.7	8	1.9	26	104	12	...	50	9	...
Ophir 2	305	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Clyde Dsr	171	19.2	7.2	13.2	...	26.2	8	-0.3	26	86	11	...	47	9	...
Alexandra B Council	141	20.3	...	...	...	26.7	15	...	...	69	10	...	43	9	167
Roxburgh Power Stn	110	18.7	7.9	13.3	-1.1	24.4	13	3.5	5	100	12	+51	48	9	...
Etrick No 1	83	19.0	...	...	...	26.0	8	...	...	119	11	...	55	9	...
Etrick No 2	91	18.6	6.8	12.7	...	25.0	8	0.8	28	115	11	...	50	9	...
Beaumont Nzfs	46	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mahinerangi Dam	396	15.1	6.8	11.0	-0.8	22.7	8	1.9	26	187	13	+109	75	10	...
Tapanui	226	17.3	7.3	12.3	-0.9	23.0	8	2.4	6	158	...	+75	68	9	...
Taieri Mouth	15	16.4	8.6	12.5	-0.4	22.0	30	5.0	26	122	14	+59	31	9	...
Winton B Council	44	17.4	6.8	12.1	-1.0	23.3	8	0.7	6	148	14	+70	71	9	136
Gore Edr	123	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Invercargill Aero	0	16.7	8.6	12.7	+0.2	22.9	7	2.5	6	131	18	+42	54	9	118
Tiwai Point	5	16.5	9.2	12.9	-0.5	22.7	8	4.1	6	119	18	+26	50	9	...
Stewart Is	3	15.7	8.2	12.0	-0.2	23.0	8	2.6	26	118	21	+37	28	9	...
Clinton School	120	17.0	7.3	12.2	...	25.7	8	3.0	25	93	15	...	33	9	...
Balclutha Finegand	6	17.6	7.8	12.7	-0.7	26.9	8	3.0	6	98	12	+45	35	9	118
Owaka	5	17.0	7.5	12.3	-0.1	23.3	8	1.7	7	113	15	+39	40	9	...
Nugget Point	129	...	...	...	...	...	...	...	...	112	17	+42	35	9	...
Tautuku	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fiji Nadi Airport	15	31.3	22.7	27.0	+0.2	33.4	11	19.0	3	167	16	-188	55	17	215
Rarotonga Airport	7	28.9	23.5	26.2	+0.3	30.7	28	21.1	25	92	14	-163	40	2	173
Totokoitu, Rarotonga	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Raoul Is	38	24.1	18.5	21.3	-0.8	26.3	21	15.9	29	39	17	-104	15	16	202
Campbell Is	15	12.1	6.5	9.3	+0.7	14.4	21	-0.1	30	118	25	-10	35	31	64
Chatham Is Waitangi	44	17.7	12.0	14.9	+0.7	21.4	1	7.1	19	103	21	+28	23	4	144
Kaingarua, Chatham Is	41	...	12.6	...	...	...	...	9.7	20	132	27	...	38	3	...
Antarctica Scott Base	16	-17.9	-27.3	-22.6	-2.2	-10.0	29	-39.9	25	...	...	...	...	...	...

LATE RETURNS AND CORRECTIONS

Aupouri Forest 02/1987	69	24.0	15.1	19.6	-0.6	27.6	2	11.8	16	24	10	-58	8	14	...
Kumeu 02/1987	32	23.7	11.7	17.7	-0.9	27.0	23	7.0	9	31	10	...	10	17	...
Whangapoua Forest 02/1987	4	24.5	12.6	18.6	-0.3	27.5	12	7.9	10	14	7	-111	5	13	...

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for March 1987—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	Hrs			
Waitoa 10/1986	18	..	..	..	..	..	..	..	..	..	..	..	..	..
Wairakei Research Stn 02/1987	402	23.3	8.4	15.9	-1.0	27.7	3	-0.7	9	22	7	-64	7	18	
Matawai Maf Edl 01/1987	580	23.1	7.6	15.4	..	29.8	31	1.0	2	..	..	..	..	..
Mangakahu Valley 02/1987	397	21.1	10.1	15.6	..	25.5	3	4.5	15	76	9	..	28	5	
Lower Retaruke 01/1987	223	24.5	11.5	18.0	+0.5	29.6	9	5.9	4	189	17	+95	50	18	
Lower Retaruke 02/1987	223	22.9	9.3	16.1	-1.8	27.4	11	3.4	9	84	13	-10	26	4	
Ruapehu The Chalet 10/1986	1941	4.5	-1.1	1.7	..	7.6	16	-5.0	18	..	..	..	..	..
Tauherenikau 02/1987	43	..	10.7	..	..	..	..	6.1	25	66	9	+9	15	13
Tokomaru Bay Maf Edl 01/1987	244	24.9	14.7	19.8	..	32.3	14	8.4	2	11	7	..	3	12	
Tokomaru Bay Maf Edl 02/1987	244	24.3	12.8	18.6	..	30.9	22	9.2	10	23	7	..	7	27	
Gwavas Forest 02/1987	335	22.5	8.1	15.3	-0.9	30.1	1	1.7	9	61	7	-28	21	15	
Kapuni 02/1987	173	..	11.4	..	..	..	..	5.7	15	82	14	..	12	13
Normanby Edr 01/1987	122	..	..	..	..	..	..	..	..	..	..	..	..	..
Patea Hospital 01/1986	43	23.5	16.0	19.8	+2.4	27.0	17	6.5	30	136	11	+54	65	3	
Patea Hospital 02/1986	43	22.2	14.4	18.3	+0.7	25.0	23	8.5	10	194	10	+128	73	15	
Patea Hospital 03/1986	43	20.7	12.6	16.7	+0.0	25.0	12	7.5	26	57	7	-13	21	31	
Patea Hospital 04/1986	43	19.2	11.5	15.4	+0.9	22.0	24	6.5	16	57	8	-30	15	6	
Patea Hospital 05/1986	43	16.0	9.5	12.8	+0.6	19.5	13	4.0	21	136	..	+25	40	31	
Patea Hospital 02/1987	43	20.7	..	..	..	27.5	12	..	..	68	13	+2	19	28
Ohakune Junction 2 02/1987	629	19.6	9.4	14.5	-0.9	23.5	3	3.5	16	113	12	+33	39	4	
Totaranui 02/1987	10	22.6	11.3	17.0	..	27.8	12	8.5	15	31	11	-154	10	13	
Deep Cove 2 02/1987	3	18.4	..	..	..	23.5	15	..	..	748	..	..	193	4
Boyle River Lodge 11/1986	600	18.2	5.2	11.7	..	28.3	6	1.1	1	94	17	..	17	12	
Hanmer Forest 02/1987	387	21.9	5.5	13.7	-2.1	29.4	21	-1.2	15	124	14	+52	27	27	
Culverden Mwd 02/1987	174	23.0	9.4	16.2	..	31.6	21	3.2	9	84	..	..	..	..
Ashley Forest 1 01/1987	107	23.1	12.2	17.7	+1.6	29.2	31	6.2	1	9	3	-63	5	25	
Ashley Forest 1 02/1987	107	21.0	10.8	15.9	-0.3	30.5	1	5.5	9	81	10	+23	25	27	
Kurow 12/1986	207	21.5	10.2	15.9	..	28.4	14	2.5	1	6	9	..	2	15	
Kurow 01/1987	207	24.3	12.1	18.2	..	32.3	13	4.9	1	64	9	..	29	28	
Kurow 02/1987	207	21.3	9.9	15.6	..	28.1	22	5.4	6	77	12	..	31	3	
Naseby Forest 2 02/1987	607	18.4	6.6	12.5	..	26.0	22	2.0	6	100	14	..	18	17	
Ranfurly Maniototo 02/1987	427	20.4	6.6	13.5	-1.0	29.1	11	1.6	17	55	11	+17	14	27	
Taiaroa Head 02/1987	72	17.1	10.5	13.8	-0.4	25.7	1	5.1	15	114	18	+73	30	15	
Invermay Edr 02/1987	30	..	..	..	..	..	..	..	..	..	..	..	..	..
Roxburgh Power Stn 02/1987	110	21.1	9.4	15.3	-0.9	28.2	1	5.0	20	76	13	+42	16	26	
Ettrick No 2 02/1987	91	20.7	8.7	14.7	..	28.0	1	3.7	20	114	13	..	20	26	
Tapanui 02/1987	226	18.7	8.0	13.4	-1.1	26.1	1	2.0	7	208	16	+146	74	27	
Taiari Mouth 02/1987	15	18.6	9.4	14.0	+0.2	28.1	1	5.2	17	116	16	+64	22	13	
Tiwai Point 02/1987	5	17.9	10.9	14.4	+0.0	24.1	1	7.7	10	117	16	+41	23	26	
Totokoitu, Rarotonga 02/1987	9	..	23.6	..	..	..	..	21.5	7	367	15	..	98	3
Kaingaroo, Chatham Is 11/1986	41	..	..	..	..	..	..	..	..	56	16	..	11	12
Kaingaroo, Chatham Is 01/1987	41	..	13.6	..	..	..	..	10.4	2	39	16	..	19	21
Kaingaroo, Chatham Is 02/1987	41	..	13.1	..	..	..	..	9.4	9	90	16	..	21	14

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 MARCH 1987

General—March was colder and wetter than normal over much of the country. South-west winds prevailed over the north of the North Island, and northwesterlies predominated over the south of New Zealand. Northwesterlies were more frequent than usual over the South Island. Mean sea level pressures were below normal over the whole of New Zealand, especially in Gisborne, where they were nearly 5 hPa down. Southerly gales caused the disruption of Cook Strait rail-ferry services on the 4th.

Rainfall—Heavy rainfall in the Central Otago and Southland high country caused flooding of rivers in these regions on the 10th and 11th. Due to the threat of flooding in Otautau and Maitua a state of civil emergency was declared, and 2300 people were evacuated. Flooding later occurred at Invercargill Airport when stopbanks collapsed. Water was reported to cover the floor in the terminal building to a depth of 0.5 metres.

Heavy rain also affected Waikato, Bay of Plenty, Gisborne and Hawke Bay later in the month. In the 24 hours to 9 a.m. on the 22nd a total of 98 mm was recorded at Hamilton Airport, and 109 mm at Napier Airport.

An extremely heavy rainfall, of approximately 560 mm was recorded in the 48 hours to 9 a.m. on the 31st at Milford Sound.

Rainfall totals for the month were well above normal in many eastern regions of the country. At Mount John four times the normal March rainfall was recorded. It was also wetter than usual in most other regions, except Northland, Buller and Westland.

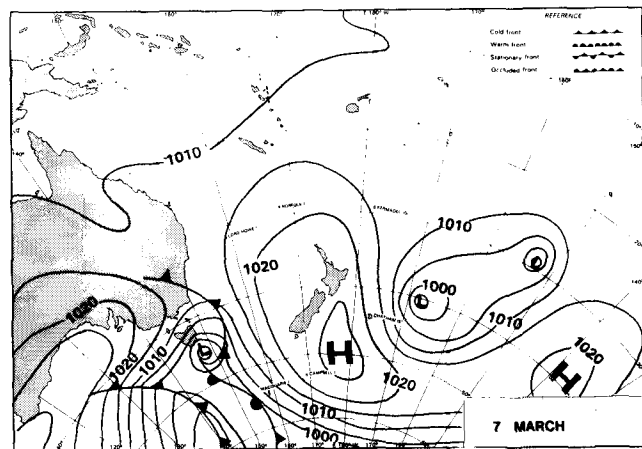
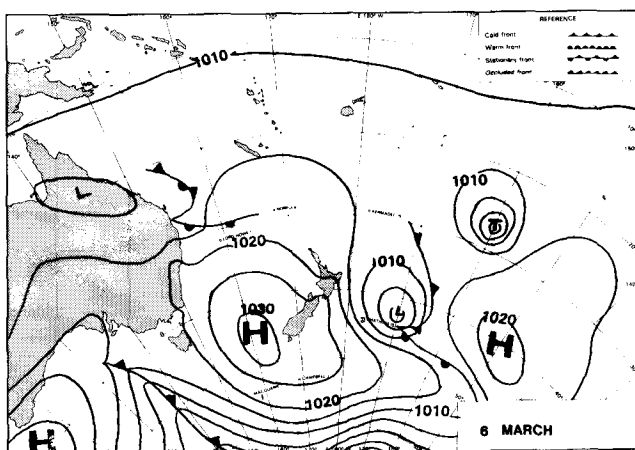
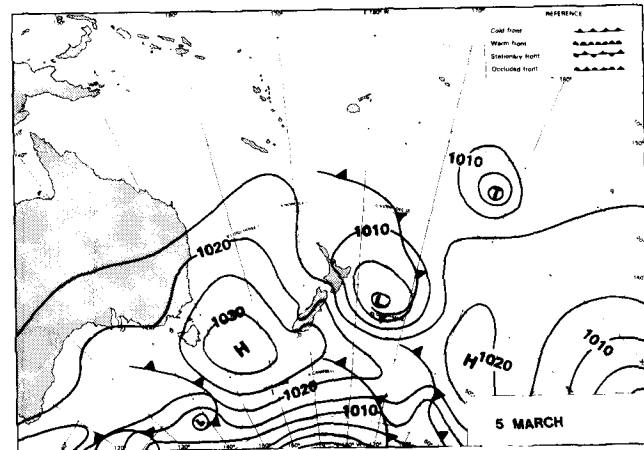
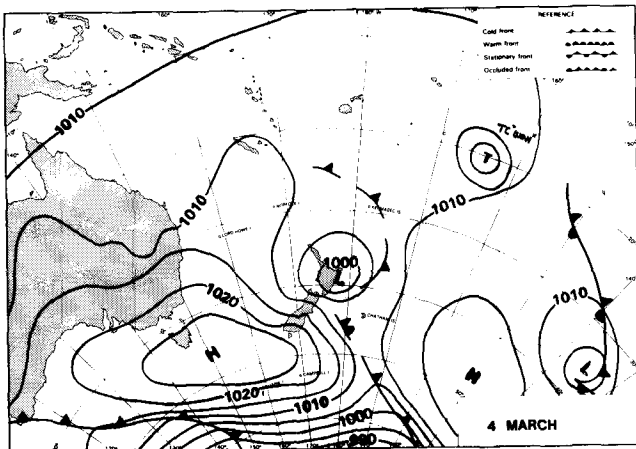
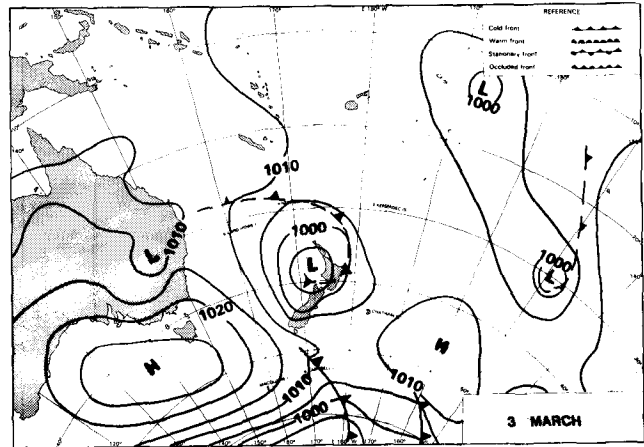
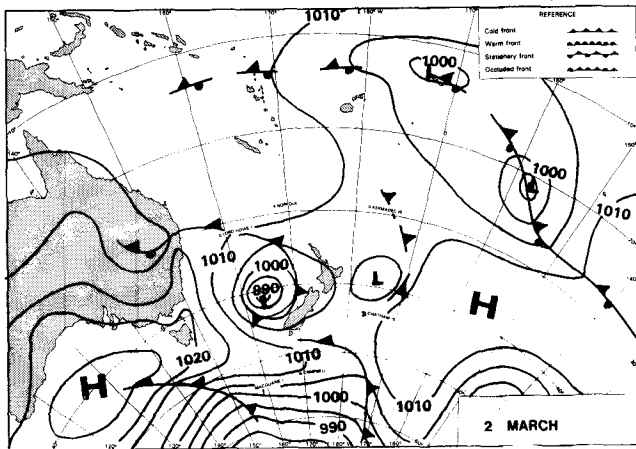
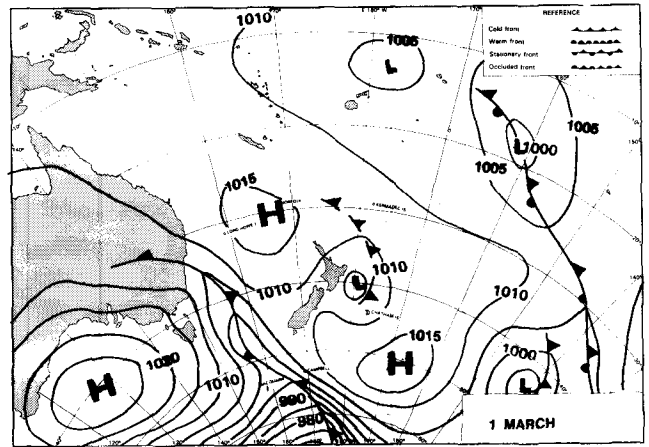
Temperature—Over much of New Zealand mean daily temperatures were 0.5 to 1.5°C below normal. In inland Canterbury the mean daily maximum temperature was as much as 3°C below the normal for March. At Kelburn, Wellington the mean daily maximum temperature was the lowest since 1974, and third lowest since records began in 1928.

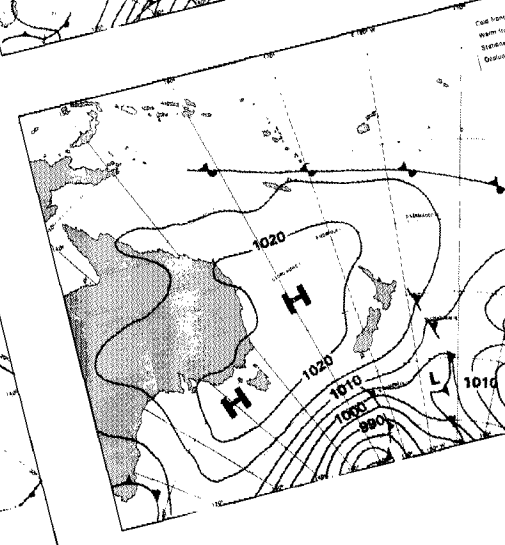
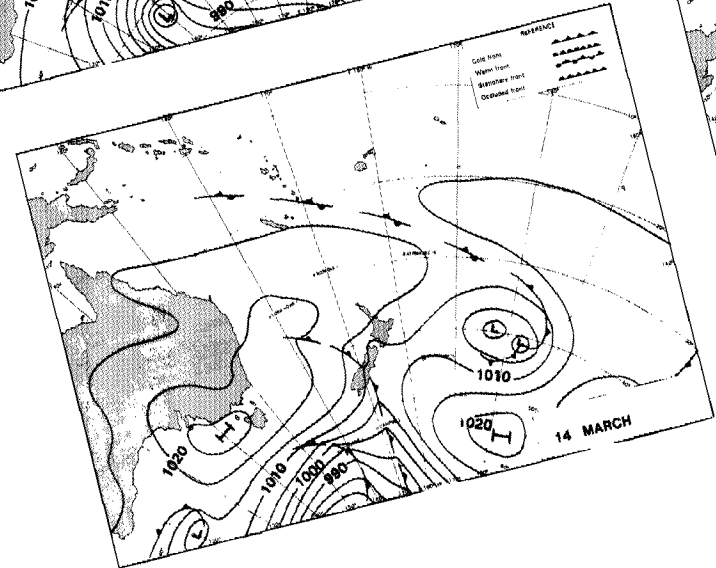
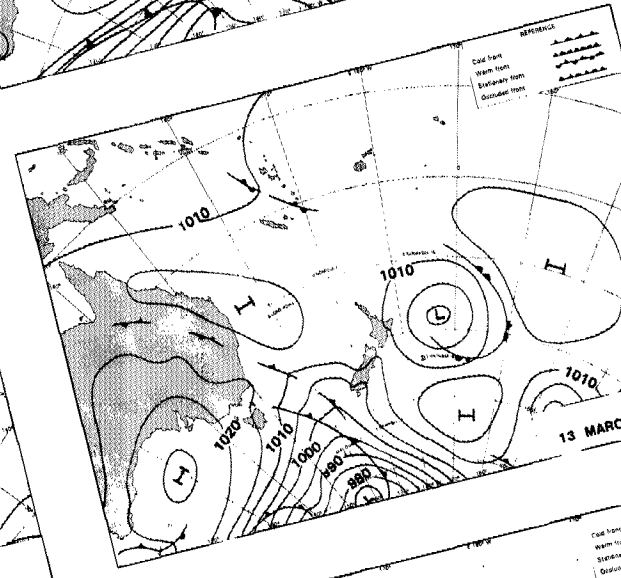
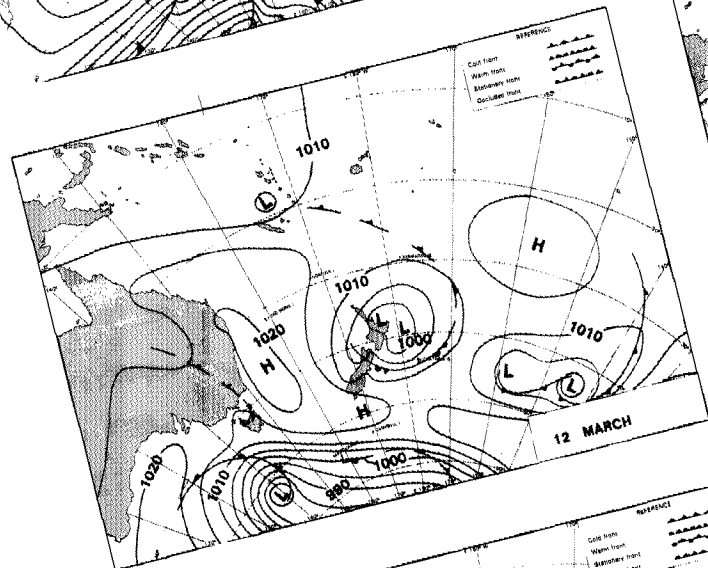
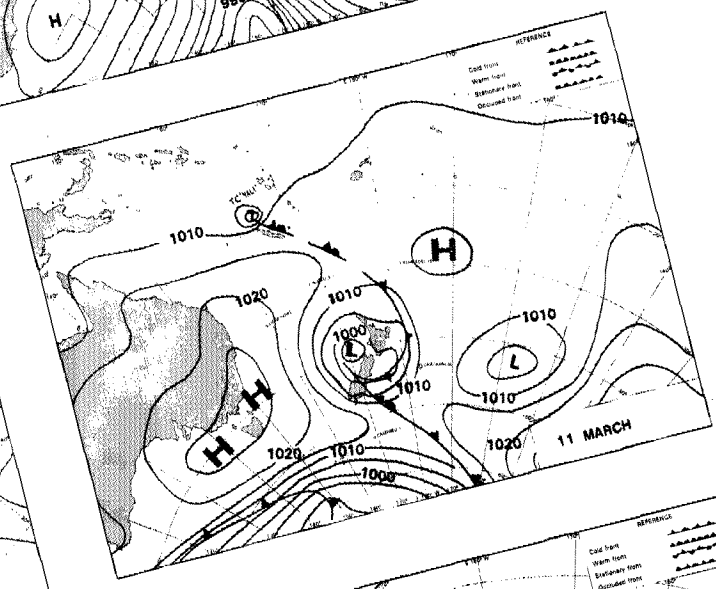
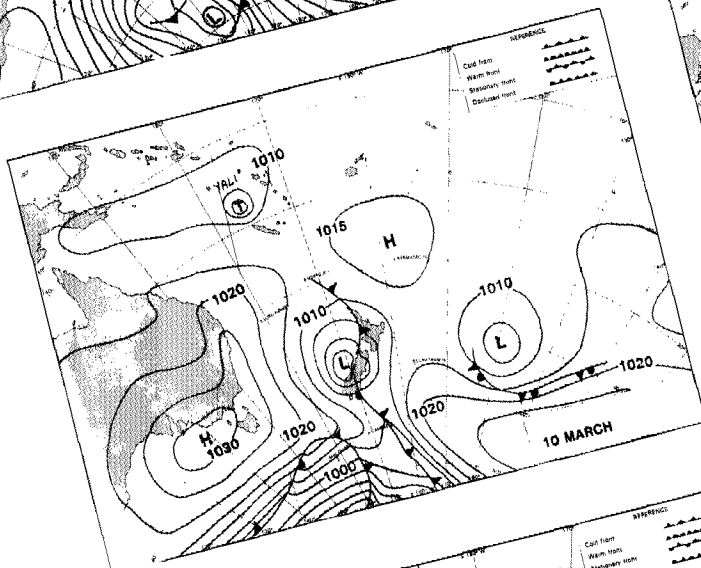
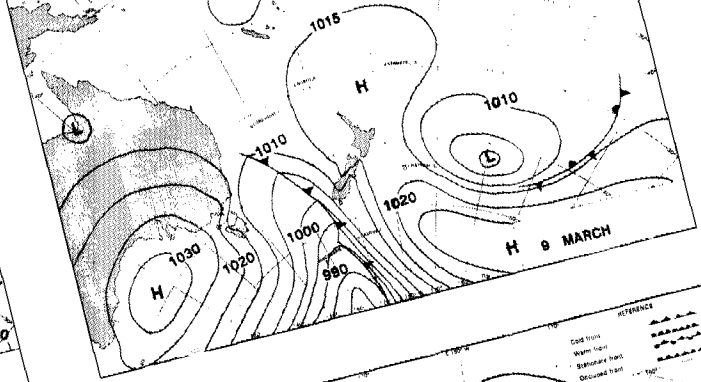
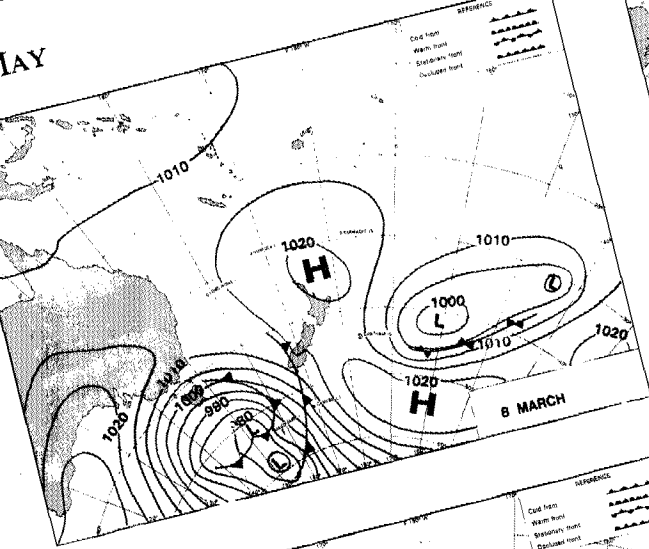
Temperatures were near normal in South Westland, Fiordland, and Southland.

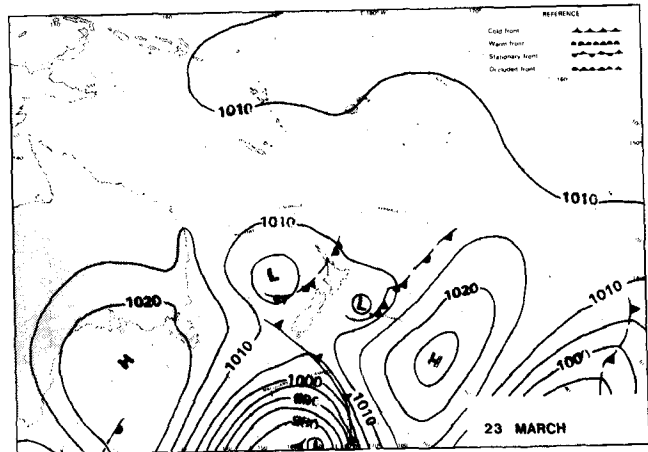
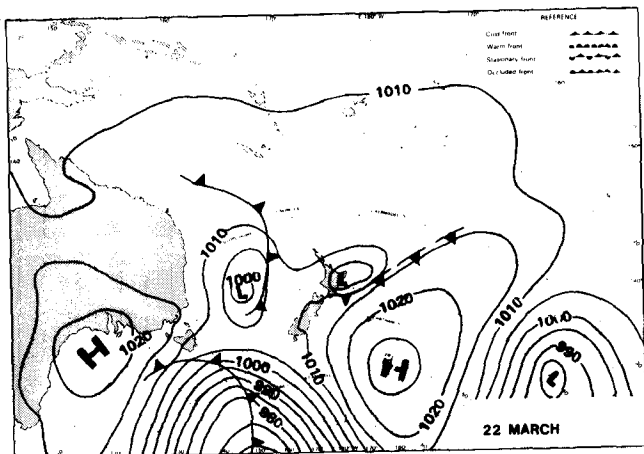
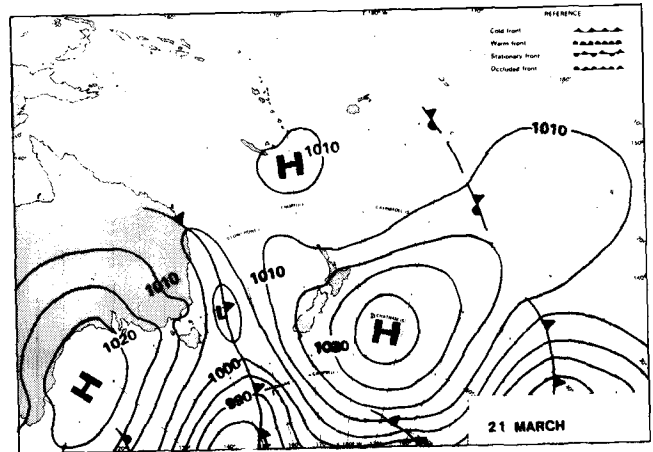
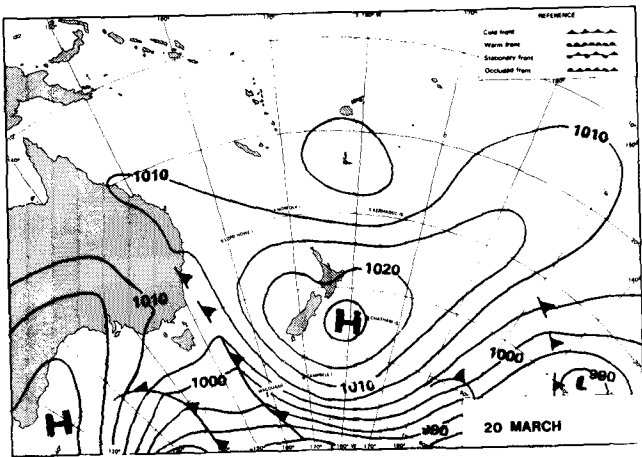
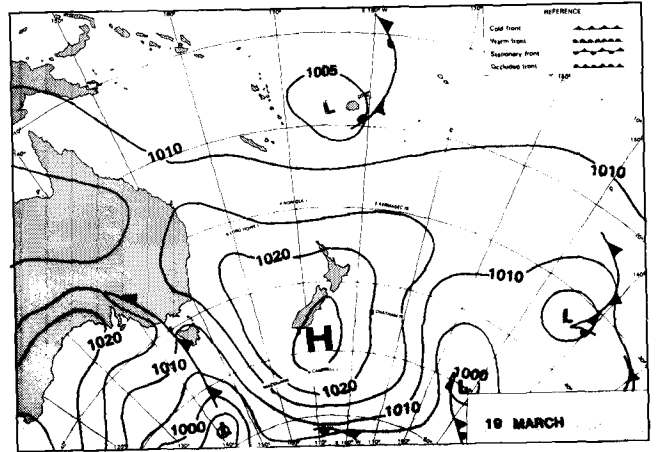
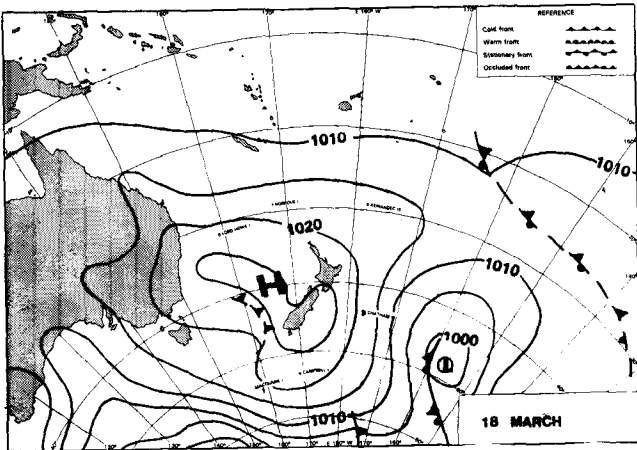
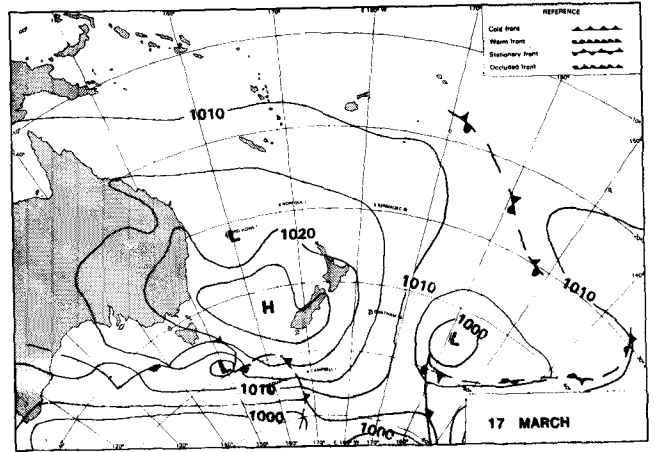
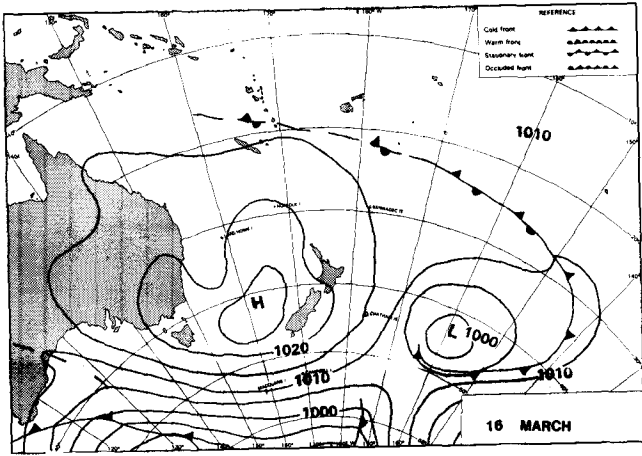
Sunshine—Hours of bright sunshine varied over the country, being above normal from Waikato northwards and in Westland, and below normal in Manawatu, Wellington, eastern regions of the North Island, and in Southland. Sunshine hours were only 70 to 80 percent of normal in Wairarapa and on the Kaikoura Coast.

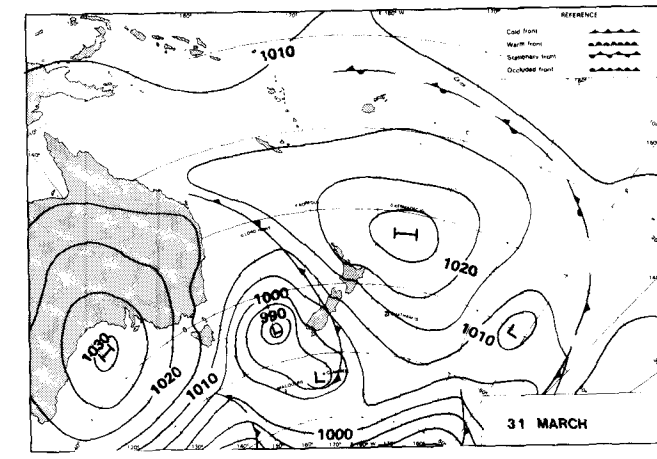
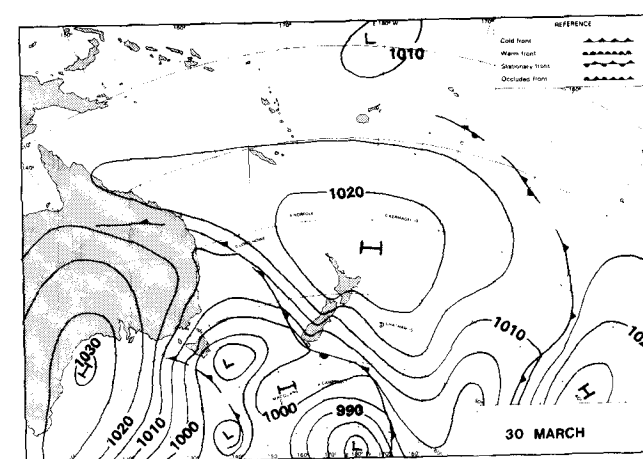
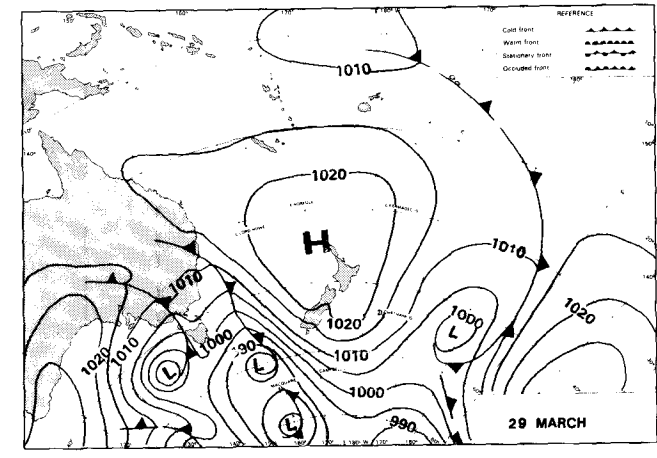
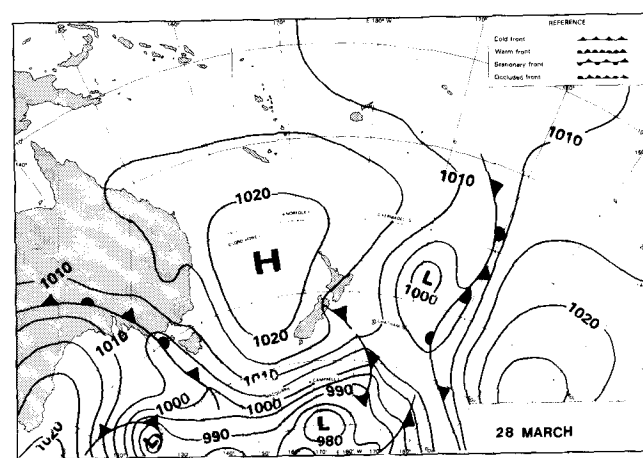
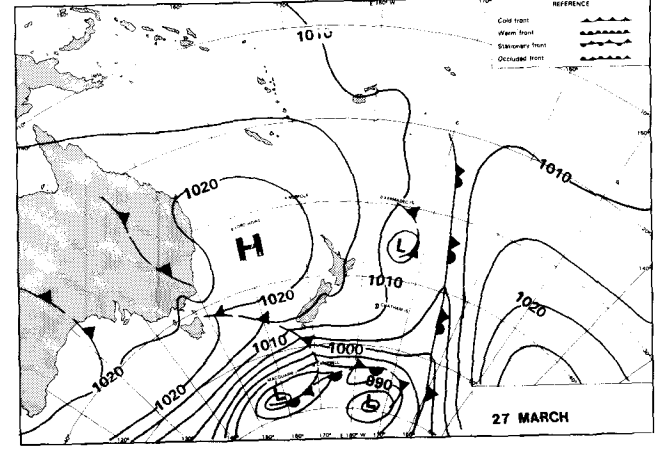
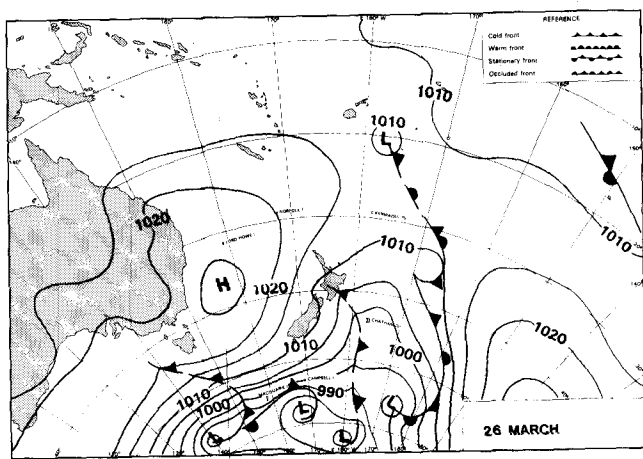
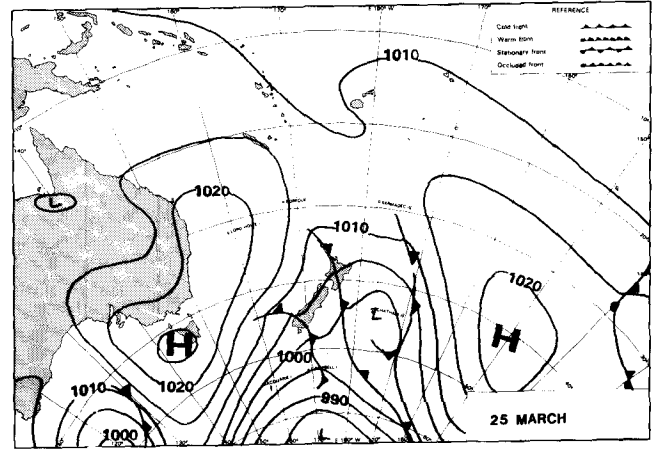
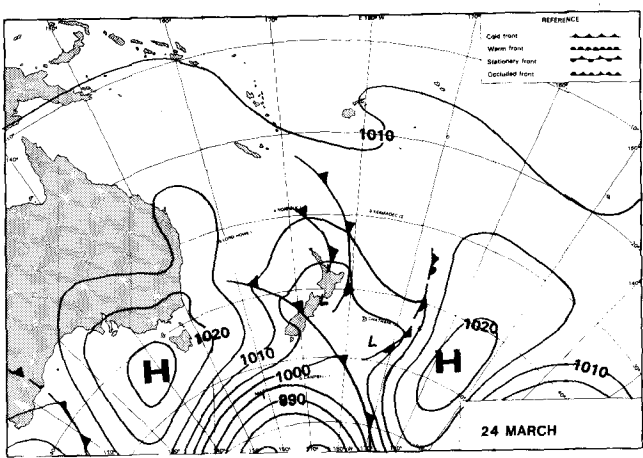
J. S. HICKMAN, Director.

THESE MAPS ARE MEAN SEA LEVEL ANALYSES
FOR 0000 HOURS. THEY WERE PREPARED BY
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