



SUPPLEMENT
TO THE
NEW ZEALAND GAZETTE
OF
THURSDAY, 15 OCTOBER 1987

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CLIMATOLOGICAL TABLE
FOR AUGUST 1987

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

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				
Aupouri Forest	69	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaitaia	8	17.9	7.2	12.6	..	21.5	23	2.0	14	58	10	..	15	7	..
Kaitaia Observatory	85	16.9	8.4	12.7	..	19.9	23	3.5	17	67	13	..	16	7	183
Kerikeri M A F	79	17.4	7.2	12.3	..	19.7	26	3.2	17	155	21	..	65	22	..
Kerikeri Aero 2	150	16.9	7.3	12.1	..	20.7	23	3.0	14	124	13	..	33	22	..
Panguru	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaikohe DSIR EDR	204	15.5	8.2	11.9	..	18.4	23	4.2	15	81	13	..	15	21	..
Waiotemarama	229	15.6	8.5	12.1	+0.8	18.1	25	3.5	15	110	16	..	25	4	..
Waipoua Forest	88	16.3	6.8	11.6	+0.7	19.5	5	0.5	14	85	16	-95	17	22	..
Dargaville MAF	20	16.3	6.8	11.6	+0.3	19.8	5	-1.4	17	56	13	-73	13	4	168
Glenbervie Forest	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whangarei Aero	37	16.5	7.9	12.2	+0.5	19.4	4	2.8	17	72	14	-90	18	25	..
Whangarei Hospital	29	17.1	7.1	12.1	+0.5	19.3	4	1.5	14	91	12	..	24	4	173*
Marsden Power Stn	3	17.0	8.3	12.7	+0.7	20.0	21	2.3	17	78	11	-55	25	22	..
Poua	97	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leigh 2	27	16.1	10.3	13.2	+1.0	18.1	26	6.3	17	91	14	-31	21	23	188
Warkworth	72	16.1	6.8	11.5	+0.9	17.7	5	-0.5	17	63	16	-109	17	22	..
Woodhill Forest	30	16.0	6.7	11.4	+0.5	18.0	4	-1.6	17	44	14	-94	13	25	..
Kumeu	32	16.4	5.8	11.1	+0.6	18.4	5	-2.2	17	52	14	..	14	25	..
Whenuapai Aero	26	16.0	6.3	11.2	+0.6	18.4	5	-0.7	16	47	15	-96	15	25	..
Henderson, River Pk	4	16.9	5.5	11.2	..	18.6	5	-2.2	17	62	18	..	17	25	..
Auckland Albert Park	49	..	..	..	..	..	..	..	..	88	15	-51	23	23	138*
Auckland Owairaka	41	15.7	7.7	11.7	+0.7	18.2	5	1.4	17	61	15	-85	18	25	..
Port Fitzroy	4	16.5	8.2	12.4	+0.3	20.0	23	2.0	17	124	17	-88	29	4	..
Little Barrier Is	2	16.1	9.6	12.9	..	17.9	26	5.8	17	76	15	-99	19	22	..
Rotorua Is	30	15.1	9.9	12.5	..	16.7	26	6.0	17	46	10	..	10	26	..
Awaroa Valley	30	16.2	6.9	11.6	..	18.6	28	0.7	17	77	12	..	16	25	..
Manukau Heads 2	244	14.5	9.1	11.8	..	16.7	5	5.9	17	44	15	-65	11	22	..
Coromandel	43	16.1	6.5	11.3	..	17.6	26	1.1	17	91	14	..	21	4	..
Whangapoua Forest	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thames 2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tairua Forest	3	15.7	5.5	10.6	+0.1	18.0	24	0.0	16	104	8	-100	34	26	..
Ngatea 3	1	16.5	4.3	10.4	..	18.8	29	-2.0	16	46	14	..	16	4	..
Paeroa	4	16.1	5.5	10.8	+0.5	18.6	29	-1.6	16	53	14	-90	12	26	..
Waihi	91	15.1	5.8	10.5	+0.7	17.2	5	-1.9	16	109	14	-126	24	26	113
Te Aroha	18	16.3	5.8	11.1	+0.5	19.9	4	-1.0	15	71	13	-91	14	26	..
Katikati	2	16.1	5.8	11.0	..	20.0	24	-0.9	16	93	12	..	36	26	..
Waitoa	18	16.3	5.1	10.7	..	18.8	28	-1.0	16	72	12	..	19	4	..
Tauranga	2	15.7	8.0	11.9	+1.0	17.4	18	3.0	17	88	10	-40	46	26	..
Tauranga Aero	4	15.7	6.3	11.0	+0.6	18.5	29	1.0	15	86	9	-48	41	26	172
Te Puke	91	16.2	5.7	11.0	+1.0	19.0	24	0.0	17	115	10	-67	45	4	158
Te Puke EDR	91	16.0	5.7	10.8	..	19.6	7	-0.2	17	123	11	..	46	4	..
Whakatane Aero	6	15.3	4.8	10.1	+0.7	17.5	8	-1.0	14	70	10	-47	17	5	182
Te Kaha	6	16.1	6.2	11.2	..	17.3	6	2.5	13	167	9	..	46	5	..
Port Ohope	9	15.8	7.4	11.6	+0.8	18.6	8	2.7	17	24	10	..	5	5	164
Kinleith 2	383	13.4	4.4	8.9	+1.0	16.7	30	-0.7	16	89	11	-56	24	5	..
Tikitere	338	13.6	5.5	9.6	+1.1	17.6	24	0.7	13	109	12	..	37	4	..
Kawerau	30	16.6	5.5	11.1	+1.0	20.0	24	-1.0	17	191	11	+13	73	25	..
Te Teko	8	..	..	..	..	..	..	..	..	72	12	-86	33	4	157
Rotorua Aero 2	287	14.4	4.5	9.5	+1.0	17.9	24	-1.2	16	117	10	-29	33	26	157
Atiamuri Power Stn	253	14.9	3.3	9.1	+1.1	18.6	24	-1.0	16	68	11	-62	20	4	..
Kaingaroa Forest	544	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Galatea	190	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohaaki	350	14.2	2.9	8.6	..	18.0	24	-2.6	13	62	16	..	18	5	..
Taupo NZED	376	13.4	3.4	8.4	+0.9	16.5	23	-2.0	14	52	12	-58	22	4	146
Wairakei Power Stn	342	14.1	3.1	8.6	+0.8	17.9	24	-2.0	17	62	13	-57	19	4	..
Wairakei Research Stn	402	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Minginui Forest	366	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taupo Aero	400	12.7	2.6	7.7	+0.3	15.1	23	-3.6	14	44	10	-42	17	4	..
Waimihia Forest	762	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Opotiki	6	15.8	6.2	11.0	+0.8	19.3	24	1.6	17	116	10	-20	41	5	162
Waimana	37	16.5	3.8	10.2	+1.2	20.5	24	-2.7	13	125	9	-50	63	4	..
Matawai MAF EDL	580	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Auckland Mangere	4	15.9	8.2	12.1	+0.9	18.0	5	1.8	16	68	16	-61	16	22	149
Auckland Aero	8	15.4	8.5	12.0	+0.8	18.1	5	3.0	16	62	16	-56	15	4	154
Ardmore	30	15.9	5.8	10.9	+0.5	17.5	25	-1.0	16	62	14	-73	13	26	..
Pukekohe MAF	82	15.6	7.4	11.5	+1.1	17.7	5	1.9	16	64	16	..	14	25	132
Pukekohe EDR	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Maioro Forest	52	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hunua	122	15.4	5.4	10.4	..	17.8	29	-1.5	17	62	14	..	15	1	..
Maramarua Forest	38	15.6	..	..	..	17.8	5	..	..	119	16	-10	85	4	..
Te Kauwhata MAF	32	15.7	6.1	10.9	+0.7	17.3	24	-0.9	18	59	17	-50	11	4	..
Ruakura	40	15.7	5.1	10.4	+0.8	17.9	5	-1.1	17	66	16	-51	17	1	155
Whatawhata	104	15.2	5.8	10.5	+0.6	18.4	5	-0.7	16	94	18	-64	20	4	120
Hamilton Aero	50	16.2	3.8	10.0	+0.8	18.9	18	-2.7	15	62	13	-53	16	4	..

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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		mm		mm	mm	Hrs	
Cambridge	76	15.6	4.8	10.2	+0.8	18.0	23	-2.0	16	72	14	-34	19	26	..
Mokau Mohakatino Stn	46	14.9	7.9	11.4	+1.0	17.4	4	4.3	12	84	10	-59	17	4	..
Arapuni Power Stn	123	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waikeria	46	15.8	4.0	9.9	+0.7	19.0	25	-3.0	16	77	13	..	26	26	..
Te Kuiti WEPP	61	15.3	5.2	10.3	+0.9	18.4	25	-0.2	16	87	17	-62	35	4	112
Wairere	122	15.0	4.9	10.0	..	18.2	23	-1.2	13	68	16	-83	34	4	..
Pureora Forest	549	11.9	2.7	7.3	+1.0	15.0	24	-3.8	16	108	18	-69	54	4	..
Mangakahu Valley	397	13.3	4.2	8.8	..	16.8	25	-0.6	14	87	13	..	41	5	..
Taumarunui	171	15.3	3.9	9.6	+0.9	19.0	23	-2.0	13	61	12	-66	27	4	115
Tokirima	152	14.8	4.2	9.5	..	18.0	24	-1.1	13	86	11	..	40	4	..
Omata	61	15.4	8.5	12.0	+1.2	18.3	27	5.2	14	68	12	-80	28	22	..
New Plymouth	55	..	..	..	..	..	..	..	..	..	..	..	..	..	..
New Plymouth Aero	27	14.6	6.9	10.8	+0.9	16.7	27	2.4	12	53	13	-89	24	22	173
North Egmont	955	9.3	2.7	6.0	..	11.7	18	-0.8	16	494	16	..	132	4	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	13.5	2.4	8.0	+0.6	16.4	18	-3.5	16	102	11	-52	31	4	167
Mt Ruapehu Chateau	21097	8.9	0.4	4.7	..	13.0	8	-4.6	17	138	14	..	47	4	..
Ruapehu The Chalet	1941	3.8	-2.1	0.9	..	9.5	15	-5.0	10	..	..	..	..	..	..
Tukino	1650	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mt Bruce Res	305	13.6	3.9	8.8	+1.7	16.5	8	-2.7	13	95	17	-122	32	4	..
Waingawa	114	15.2	3.5	9.4	+1.2	19.1	5	-1.8	16	27	12	-65	6	4	180
Kopua	311	13.7	5.0	9.4	+1.8	19.9	5	-1.5	13	47	9	-57	13	27	..
Waipukurau Aero	137	14.9	4.3	9.6	+1.3	20.9	5	-1.9	17	42	9	-39	14	23	162*
Dannevirke	207	14.1	5.0	9.6	+1.3	18.1	5	-1.8	14	39	15	-57	8	22	155
Porangahau	8	15.4	6.5	11.0	..	21.1	5	-0.5	13	40	8	..	14	28	..
Castlepoint Light	3	14.7	9.2	12.0	+1.8	19.3	5	5.3	13	30	11	-67	8	26	..
Ngaumu Forest	244	14.1	3.3	8.7	+1.4	17.2	5	-2.6	13	59	11	-74	17	26	..
Tauherenikau	43	15.2	4.4	9.8	+1.2	19.2	5	-0.7	1	50	9	-59	17	22	170
Waiorongomai	21	14.4	5.4	9.9	+1.2	16.7	25	-0.7	17	64	12	-92	20	22	..
Martinborough	30	15.5	4.6	10.1	..	19.0	25	-1.6	16	47	15	..	11	22	171
Ruatoria	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mangatu Forest	182	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gisborne, Manutuke	90	16.5	4.9	10.7	+0.6	20.3	5	-2.0	13	46	9	-76	19	28	..
Gisborne Aero	4	16.1	5.3	10.7	+0.7	20.5	5	0.5	13	51	9	-74	20	27	170
Waikaremoana Onepoto	643	12.2	4.8	8.5	+1.5	16.0	18	0.6	13	144	11	-90	36	28	..
Wharerata Forest	439	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tokomaru Bay MAF EDL	244	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Esk Forest	427	..	..	..	..	..	..	..	..	112	10	-71	41	28	..
Ngamatea NZFS	885	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kaweka Forest	414	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Napier Aero	2	15.7	5.6	10.7	+1.2	21.0	5	-1.8	13	35	9	-53	17	26	..
Napier Nelson Pk	2	16.6	5.8	11.2	+1.3	20.2	5	0.1	17	34	9	-49	16	26	183
Havelock Nth DSIR 2	9	16.6	3.8	10.2	..	21.6	5	-2.5	13	33	9	..	14	27	161
Havelock Nth EDR	9	16.5	3.5	10.0	..	21.7	5	-3.0	13	36	8	..	15	27	..
Hastings Civic Sq.	16	16.7	4.8	10.8	..	21.4	5	-1.2	17	34	8	..	12	27	..
Whakatu	6	16.1	4.6	10.4	..	21.1	5	-1.5	17	28	9	..	9	26	..
Gwavas Forest	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Makaretu	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ongaonga Thornton	190	15.0	2.7	8.9	..	21.0	6	-4.5	13	43	9	..	16	27	..
Mohaka Forest	286	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wairoa Frasertown	8	16.3	..	..	..	21.7	5	..	..	50	12	-114	15	26	..
Wairoa Hospital	20	15.9	7.0	11.5	+1.5	21.2	5	0.5	17	37	10	-120	12	26	157
Kapiti Is	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aero	7	14.2	6.8	10.5	+1.3	16.7	27	1.3	20	86	14	-5	30	22	149
Bulls Flockhouse	9	15.0	5.7	10.4	+1.3	19.2	5	-2.1	13	30	11	-49	12	4	..
Ohakea Aero	48	14.8	7.2	11.0	+1.6	18.6	5	2.1	1	24	12	-55	9	4	152
Palmerston N Kairanga	15	15.0	5.6	10.3	+1.4	19.0	25	-1.6	13	17	9	-65	5	4	162
Palmerston N Aero	45	15.0	6.3	10.7	+1.8	18.6	5	0.5	15	25	12	-57	8	4	..
Palmerston N DSIR	34	15.1	6.8	11.0	+1.7	19.3	5	-0.5	13	32	14	-54	9	4	131
Foxton	9	15.3	6.2	10.8	..	18.6	25	-2.2	13	32	15	..	8	22	145
Waitarere Forest	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Levin MAF	46	14.4	7.0	10.7	+1.3	17.6	26	0.6	13	51	17	-49	19	22	116
Titahi Bay Te Pene Av	31	14.6	6.7	10.7	..	16.9	26	1.4	13	56	12	..	24	22	..
Lower Hutt Avalon	15	14.5	6.6	10.6	+1.4	16.6	4	2.2	1	80	15	-53	30	22	..
Wellington Kelburn	125	13.7	8.0	10.9	+1.8	16.2	31	4.5	1	57	13	-74	24	4	154
Somes Is	43	13.6	8.3	11.0	+1.6	16.0	4	4.0	1	36	10	-74	15	4	..
Lower Hutt Gracefield	34	14.1	7.7	10.9	+1.5	16.8	4	1.7	1	65	11	-76	23	22	..
Wainuiomata Coast Rd	82	13.9	5.5	9.7	+1.3	17.1	26	-0.7	2	49	14	-146	17	22	..
Wellington Aero	6	14.2	8.7	11.5	+1.8	16.8	4	4.5	1	40	13	-69	15	4	..
Rimutaka Forest	37	14.6	5.7	10.2	..	17.1	4	0.3	1	42	9	..	15	22	..
Kaitoke	223	13.5	3.8	8.7	+1.2	16.1	4	-4.1	13	115	19	-90	31	22	121
Wallaceville	56	14.7	5.1	9.9	+1.6	16.8	18	-2.0	13	90	16	-33	23	4	140
Stratford Dem Farm	311	13.3	4.4	8.9	+1.0	16.2	1	-0.9	13	98	11	-95	34	4	142
Kapuni	173	..	5.1	..	..	..	..	1.2	20	29	15	..	15	4	..
Manaiia Dem Farm	98	14.4	5.5	10.0	+1.0	17.4	5	0.5	15	29	8	-88	9	22	143
Normanby EDR	122	13.7	5.3	9.5	..	16.3	25	0.5	13	36	8	..	13	4	..

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		A Max.	B Min.			Maximum	Date	Minimum				Date		Amount
	Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs	
Normanby MAF	122	14.4	5.0	9.7	+1.1	17.4	1	0.5	15	42	19	..	4	..
Patea Hospital	43	..	..	..	..	..	..	..	..	..	..	..	..	..
Turoa, The Giant	2052	5.8	-3.6	1.1	..	16.0	25	-6.5	10	..	..	..	..	..
Pipiriki 2	80	..	..	..	..	..	..	..	..	..	..	..	..	..
Ohakune Junction 2	629	11.5	2.7	7.1	+1.5	15.5	25	-2.5	14	69	15	-65	44	4
Karioi 2	648	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiouru MWD	823	11.2	1.8	6.5	+1.6	15.0	5	-2.6	13	28	10	-68	9	4
Waiouru Military Camp	823	10.4	1.0	5.7	+1.1	14.9	5	-4.1	14	41	14	-61	12	4
Ahu Ahu Valley	85	15.5	5.1	10.3	..	19.4	25	0.2	13	31	13	..	11	26
Taihape Rec	433	13.9	2.0	8.0	+1.1	17.6	5	-5.2	30	43	14	-40	11	26
Wanganui Cooks Gdns	22	15.4	7.4	11.4	+1.6	19.5	5	2.6	1	21	9	-55	5	22
Wanganui Aero	9	..	..	..	..	..	..	..	..	..	..	..	..	..
Takaka Kotinga 2	25	14.6	4.5	9.6	..	17.5	5	-0.1	10	181	14	..	65	4
Totaranui	10	..	..	..	..	..	..	..	..	..	..	..	..	..
Westport Aero	2	13.6	6.6	10.1	+1.1	16.4	26	3.1	15	177	20	-2	38	21
Westport Te Kuha EDL	680	..	..	..	..	..	..	..	..	..	..	..	..	..
Cobb Dam	823	10.1	0.9	5.5	+1.6	13.0	19	-4.0	16	218	13	-9	82	4
Arapito	20	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Rotoroa	443	11.9	2.5	7.2	..	16.7	23	-2.2	1	134	..	..	..	..
Lake Rototiti	634	11.1	0.8	6.0	+1.6	14.0	23	-4.3	13	106	21	-12	38	4
Hokitika Aero	39	13.4	5.8	9.6	+1.5	18.3	26	1.4	10	185	19	-48	47	21
Punakaiki Rocks	4	14.0	8.6	11.3	..	16.5	18	6.0	19	215	19	..	45	5
Reefton NZFS	198	13.2	4.7	9.0	+2.5	16.9	23	-0.2	1	141	16	-35	30	21
Barrytown	30	13.8	8.2	11.0	..	17.5	27	6.0	10	239	16	+47	43	5
Totara Flat	77	13.6	5.0	9.3	+2.3	17.4	27	-0.3	1	137	16	-13	28	4
Greymouth Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..
Otira Substation	383	11.7	4.3	8.0	+2.5	16.3	24	-1.5	1	294	22	-88	56	4
Springs Junction	421	11.2	2.8	7.0	+1.9	16.5	23	-3.0	1	147	19	-42	32	21
Pukekura	86	13.4	3.5	8.5	..	17.7	28	-1.3	1	230	18	..	63	21
Harihari NZFS	45	..	..	..	..	..	..	..	..	..	..	..	..	..
Okarito	10	13.6	6.5	10.1	..	17.3	26	3.0	14	294	16	..	92	21
Franz Josef	155	12.6	5.5	9.1	..	18.2	28	1.8	10	460	23	..	123	21
Fox Glacier Main Rd	152	12.5	4.7	8.6	+1.4	18.0	27	0.9	10	347	19	-11	76	21
Milford Sound	3	11.9	4.8	8.4	+1.5	17.0	26	0.0	1	442	23	+38	80	2
Deep Cove 2	3	11.3	5.5	8.4	..	16.4	27	1.3	3	466	..	..	105	2
Stephens Is	187	12.7	7.9	10.3	+1.2	14.1	9	5.4	1	35	10	-45	13	4
Motueka DSIR	8	14.9	3.7	9.3	+1.3	19.9	5	-0.7	13	119	11	-33	59	4
Tapawera	146	..	..	..	..	..	..	..	..	..	..	..	..	..
Pelorous Sd Crail Bay	13	..	..	..	..	..	..	..	..	..	..	..	..	..
Appleby	17	14.1	5.7	9.9	+1.6	17.3	18	1.0	16	84	16	-14	34	4
Nelson Aero	2	14.0	4.5	9.3	+1.6	17.0	19	-0.5	16	63	12	-33	35	4
Rai Valley	79	..	..	..	..	..	..	..	..	..	..	..	..	..
Blenheim Research	4	15.0	4.4	9.7	..	17.4	2	0.4	3	45	8	..	22	4
Wairau Valley	162	14.6	3.5	9.1	..	17.4	20	-3.2	16	76	8	..	46	4
Blenheim Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..
Brancott Valley	64	15.2	4.2	9.7	..	18.8	8	0.3	20	47	8	..	26	4
Spray Point Waihopai	457	13.8	..	..	..	16.6	20	..	..	68	9	-28	37	4
Duntroon	350	14.4	3.7	9.1	..	18.0	2	-0.2	16	68	14	-20	26	4
Grassmere Salt Works	2	14.5	6.2	10.4	+1.8	19.9	18	1.3	10	24	10	-40	12	4
Boyle River Lodge	600	12.6	1.4	7.0	..	17.9	24	-4.5	30	93	19	..	15	4
Hanmer Forest	387	14.5	1.0	7.8	+2.3	18.5	5	-3.8	14	65	9	-59	28	27
Molesworth	893	12.0	-1.2	5.4	+2.5	16.2	20	-6.7	14	35	7	-19	21	4
Kaikoura Weather Stn	108	13.0	7.1	10.1	+1.9	18.4	5	4.5	16	40	7	-46	17	27
Arthurs Pass	738	9.4	1.5	5.5	..	13.2	23	-3.0	14	253	20	-51	74	4
Culverden MWD	174	14.5	2.4	8.5	..	18.8	5	-3.5	1	39	4	..	13	27
Balmoral Forest	198	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiiau Lyndon St 2	137	15.4	2.2	8.8	..	20.4	5	-3.2	13	44	7	..	11	26
Cheviot	85	14.6	3.0	8.8	..	20.6	5	-3.0	14	30	7	..	14	27
Mt Cook The Hermitage	765	11.4	1.7	6.6	+3.1	15.2	20	-2.6	1	183	16	-94	42	21
Mt John	1027	9.4	2.1	5.8	+3.3	11.6	17	-1.0	9	15	9	-38	11	4
Craigieburn Forest	914	11.8	0.6	6.2	+2.9	16.6	24	-2.7	16	171	16	+33	71	13
Lake Coleridge	364	14.5	2.1	8.3	+2.6	19.8	20	-2.1	1	30	9	-48	18	4
Highbank Power Stn	336	13.1	4.7	8.9	+2.3	16.5	5	0.8	8	30	11	-45	13	26
Hororata Substation	192	14.1	2.5	8.3	+2.1	18.2	16	-3.4	14	46	11	-19	21	26
Winchmore MAF	160	13.7	3.6	8.7	+2.4	18.7	5	-1.7	14	30	9	-36	9	26
Peel Forest	274	13.8	2.4	8.1	+2.5	19.5	17	-2.1	8	37	18	-20	12	27
Ashburton Council	101	14.3	3.3	8.8	+1.8	20.2	17	-2.4	1	25	9	-38	6	4
Ashley Forest 1	107	13.3	4.9	9.1	+1.8	18.5	1	0.1	16	26	3	-44	16	26
Rangiora NZFS	46	13.7	3.1	8.4	+1.5	18.8	1	-2.9	10	22	6	-40	13	26
Kairaki	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Darfield	195	15.4	3.8	9.6	+2.8	19.1	2	-1.4	1	42	9	-31	26	26
Eyrewell Forest	158	..	..	..	..	..	..	..	..	..	..	..	..	..
Christchurch Aero	30	13.8	3.8	8.8	+1.9	18.1	1	-2.0	10	21	7	-34	12	26
Christchurch Gardens	7	14.0	4.3	9.2	+1.7	19.6	1	-1.3	10	16	6	-42	7	4
Christchurch Bromley	9	13.2	5.7	9.5	+1.7	18.5	1	-0.8	10	20	7	-36	9	26
Mt Pleasant	137	13.3	7.3	10.3	+1.9	18.0	1	4.3	16	21	6	-44	8	4

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

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	°C	°C	mm	mm	mm	mm	Hrs		
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..
Akaroa Rue Lavaud	3	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Tekapo NZED	683	11.1	0.9	6.0	+2.3	13.0	2	-3.7	1	16	7	-38	10	4	
Fairlie Riverview Tee	304	13.4	0.4	6.9	..	19.7	17	-5.1	1	16	11	..	7	4	
Twizel Substation	451	12.0	0.5	6.3	..	16.3	17	-4.3	15	15	10	..	8	4	
Ikawai	70	13.2	2.6	7.9	+1.6	18.5	17	-2.0	8	30	10	-8	7	29	
Geraldine NZFS	119	13.8	3.1	8.5	+2.0	19.8	17	-1.6	8	16	9	-47	6	4	
Orari Estate	81	13.2	3.0	8.1	+2.0	19.5	17	-2.0	8	18	11	-42	5	4	
Temuka	24	13.7	3.2	8.5	+2.1	19.0	10	-2.1	1	18	9	-29	5	29	
Timaru Aero	26	13.3	3.0	8.2	+2.2	18.6	17	-2.7	8	24	10	-18	7	29	
Timaru 2	17	..	..	..	..	..	..	..	..	..	..	..	..	..
Waimate	61	12.7	4.2	8.5	+1.3	17.8	10	0.0	16	39	14	-5	8	8	
Benmore Power Stn	253	12.3	3.7	8.0	..	16.6	17	0.5	13	19	12	-20	5	2	
Aviemore 2	241	12.3	3.6	8.0	..	16.2	17	-0.6	13	15	15	-18	5	29	
Kurow	207	..	..	..	..	..	..	..	..	..	..	..	..	..
Knobs Flat	375	..	..	..	..	..	..	..	..	..	..	..	..	..
Tara Hills EDR	488	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Hawea	350	12.1	2.7	7.4	+1.9	14.4	17	-2.3	1	32	11	-33	9	6	
Wanaka	296	13.3	1.7	7.5	+2.3	16.1	17	-2.6	15	27	10	-24	7	6	
Queensbury MWD	277	12.9	2.5	7.7	..	16.7	21	-2.7	15	18	9	..	7	6	
Bendigo 2	200	13.7	2.0	7.9	..	17.7	17	-4.2	15	10	7	..	6	6	
Naseby Forest 2	607	11.4	-0.2	5.6	..	14.9	17	-3.0	9	17	11	..	10	29	
Oamaru Spey St	5	12.9	4.3	8.6	..	18.9	17	-2.0	2	19	11	..	5	27	
Ranfurly Maniototo	427	12.3	-0.7	5.8	+1.6	16.5	17	-5.1	27	11	7	-9	4	21	
Herbert Forest	61	13.1	..	..	..	19.4	17	..	..	30	12	-15	9	30
Palmerston	21	13.3	2.0	7.7	+1.7	20.2	17	-2.4	14	18	10	-29	5	21	
Cherry Farm Hospital	6	12.9	2.7	7.8	+1.3	17.1	2	-1.0	10	15	12	-28	5	21	
Taiaroa Head	72	11.5	5.9	8.7	+1.4	15.5	2	2.6	9	21	16	-28	6	21	
Invermay EDR	30	12.7	3.3	8.0	..	18.8	17	-1.5	14	20	12	..	11	21	
Berwick Forest	18	..	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Aero	1	13.4	1.9	7.7	+1.4	16.9	20	-3.3	14	15	8	-25	9	21	
Dunedin Musselburgh	2	12.3	5.5	8.9	+1.5	18.0	17	1.2	9	21	14	-35	10	21	
Te Anau Po	215	12.0	3.7	7.9	+2.5	14.4	31	-0.9	9	68	14	-21	23	6	
Manapouri West Arm 2	232	8.8	4.3	6.6	+1.9	10.6	27	0.5	1	342	22	+110	44	20	
Borland Burn	183	..	..	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	12.0	3.3	7.7	+2.2	15.8	17	-0.8	1	31	12	-28	13	6	
Queenstown Aero	349	11.2	0.7	6.0	+1.3	15.0	17	-4.0	1	24	8	-21	10	2	
Burwood Bush	490	11.1	2.0	6.6	..	15.0	20	-1.2	9	48	7	..	14	6	
Cromwell Sub Stn	213	13.5	1.4	7.5	..	17.2	17	-3.8	15	13	4	-12	8	6	
Cromwell MWD	213	..	..	..	..	..	..	..	..	..	..	..	..	..
Northburn	210	13.6	1.9	7.8	..	17.5	17	-3.6	15	15	6	..	9	6	
Cromwell 2	213	13.3	1.2	7.3	..	17.8	17	-4.7	15	16	8	..	9	6	
Lauder EDR	370	12.0	1.2	6.6	..	16.6	17	-3.7	15	18	14	..	6	6	
Clyde Dam	160	12.8	1.6	7.2	..	18.2	17	-2.8	15	17	13	..	4	7	
Ophir 2	305	..	..	..	..	..	..	..	..	..	..	..	..	..
Clyde DSIR	171	13.4	0.9	7.2	..	18.4	17	-4.7	14	13	12	..	4	6	
Alexandra B Council	141	13.6	0.9	7.3	..	19.3	17	-3.6	14	15	8	..	4	27	
Roxburgh Power Stn	110	13.4	2.4	7.9	+1.5	17.9	17	-3.0	14	16	12	-9	4	27	
Ettrick No 1	83	13.6	1.9	7.8	..	17.0	17	-3.0	14	18	13	..	4	11	
Ettrick No 2	91	13.1	1.9	7.5	..	17.9	17	-2.1	19	19	12	..	5	21	
Beaumont NZFS	46	..	..	..	..	..	..	..	..	..	..	..	..	..
Mahinerangi Dam	396	10.4	1.6	6.0	+1.7	15.2	17	-2.5	14	35	12	-32	9	11	
Tapanui	226	..	..	..	..	..	..	..	..	..	..	..	..	..
Taieri Mouth	15	..	..	..	..	..	..	..	..	..	..	..	..	..
Winton B Council	44	12.2	3.2	7.7	+1.3	15.8	31	-1.7	1	43	12	-10	16	21	
Gore EDR	123	..	..	..	..	..	..	..	..	..	..	..	..	..
Wyndham	20	12.2	3.4	7.8	..	16.0	31	-1.2	1	58	13	..	16	21	
Invercargill Aero	0	11.9	3.3	7.6	+1.4	16.3	31	-0.5	3	52	20	-10	12	21	
Tiwai Point	5	11.6	4.8	8.2	+1.2	16.2	31	1.4	3	55	19	-13	12	8	
Stewart Is	3	11.4	4.1	7.8	+1.6	14.8	16	-0.9	3	109	26	+39	13	21	
Clinton School	120	..	..	..	..	..	..	..	..	..	..	..	..	..
Balclutha Finegand	6	12.8	..	..	..	17.5	27	..	..	6	..	-32	2	11
Owaka	5	12.4	2.6	7.5	+1.1	16.0	2	-2.2	31	37	15	-17	11	21	
Nugget Point	129	10.7	4.7	7.7	+1.1	13.7	17	1.4	25	33	21	-22	12	21	
Tautuku	40	..	..	..	..	..	..	..	..	..	..	..	..	..
Fiji Nadi Aero	15	28.8	16.7	22.8	-0.9	32.5	23	11.7	20	3	2	-54	2	24	
Ci Rarotonga Aero	7	23.7	18.6	21.2	-0.6	26.2	30	13.5	20	96	16	-35	26	16	
Ci Raro Totokoitu	9	..	..	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	18.7	13.3	16.0	-0.3	20.3	7	10.9	12	99	17	-39	36	23	
Campbell Is	15	7.7	2.9	5.3	+0.1	9.5	31	-2.0	22	105	30	+0	17	2	
Chatham I Waitangi	44	11.4	6.4	8.9	+0.6	13.5	2	2.3	19	37	21	-46	7	6	
Chatham I Kaiangaroa	41	..	..	..	..	..	..	..	..	..	..	..	..	..
Ant Scott Base	16	-24.9	-35.6	-30.3	+0.5	-8.2	12	-44.7	11	..	..	..	..	..

CLIMATOLOGICAL TABLE—Summary of the Records of Temperature, Rainfall, and Sunshine for August 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
		°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs				
LATE RETURNS AND CORRECTIONS															
Panguru 07/1987	5	15.9	7.2	11.6	..	18.3	21	0.7	7	234	25	..	52	13	..
Marsden Power Stn 07/1987	3	15.6	8.1	11.9	+0.4	17.9	25	3.0	7	83	23	-78	22	13	..
Te Puke 07/1987	91	14.7	3.8	9.3	+0.3	17.5	17	-0.6	6	71	7	-120	53	25	159
Te Puke EDR 07/1987	91	14.4	3.7	9.1	..	17.3	17	-0.6	7	71	9	..	51	25	..
Te Kaha 07/1987	6	14.8	4.3	9.6	..	16.6	19	0.0	7	37	10	..	8	22	..
Minginui Forest 04/1987	366	..	..	..	..	..	..	..	..	79	..	-35	48	21	..
Minginui Forest 05/1987	366	..	..	..	..	..	..	..	..	35	..	-98	12	5	..
Minginui Forest 06/1987	366	..	..	..	..	..	..	..	..	73	..	-59	19	14	..
Matawai MAF EDL 04/1987	580	17.1	5.3	11.2	..	23.6	15	-4.4	25	150	16	..	46	10	..
Matawai MAF EDL 05/1987	580	14.6	2.4	8.5	..	17.8	11	-4.6	4	141	11	..	36	20	..
New Plymouth 07/1987	55	13.8	6.0	9.9	+0.6	16.2	16	0.5	6	78	18	-102	18	25	..
Lower Retaruke 06/1987	223	11.9	3.9	7.9	+0.4	14.3	3	-3.4	17	136	22	-8	40	29	..
Tokomaru Bay MAF EDL 04/1987	244	19.0	10.7	14.9	..	25.2	28	6.5	25	94	15	..	25	19	..
Tokomaru Bay MAF EDL 05/1987	244	17.5	8.1	12.8	..	20.6	4	5.2	26	63	7	..	43	22	..
Esk Forest 07/1987	427	..	2.8	..	..	..	..	..	..	282	14	+124	64	15	..
Hastings Civic Sq. 06/1987	16	14.9	..	..	..	19.8	15	..	..	40	10	..	18	28	..
Hastings Civic Sq. 07/1987	16	13.6	3.0	8.3	..	17.2	8	-2.0	11	102	14	..	40	18	..
Normanby EDR 07/1987	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Westport Te Kuha EDL 01/1986	680	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Westport Te Kuha EDL 02/1986	680	16.4	9.7	13.1	..	22.0	2	7.0	15	325	17	..	50	24	..
Westport Te Kuha EDL 03/1986	680	16.8	10.2	13.5	..	21.2	11	6.5	25	216	14	..	47	12	..
Westport Te Kuha EDL 04/1986	680	16.9	9.1	13.0	..	21.7	26	5.7	14	305	20	..	61	5	..
Westport Te Kuha EDL 05/1986	680	13.2	6.7	10.0	..	18.5	11	2.1	28	387	19	..	47	17	..
Westport Te Kuha EDL 06/1986	680	9.0	3.4	6.2	..	12.8	4	-0.8	16	506	24	..	76	21	..
Westport Te Kuha EDL 07/1986	680	7.7	2.7	5.2	..	11.5	25	0.6	26	305	16	..	52	24	..
Westport Te Kuha EDL 08/1986	680	8.2	2.8	5.5	..	12.1	11	0.1	8	180	14	..	76	19	..
Westport Te Kuha EDL 09/1986	680	9.5	3.5	6.5	..	13.7	20	1.4	3	398	19	..	79	6	..
Westport Te Kuha EDL 10/1986	680	11.6	6.3	9.0	..	14.7	12	3.8	17	625	22	..	119	4	..
Westport Te Kuha EDL 11/1986	680	12.7	6.7	9.7	..	18.5	5	3.2	29	290	13	..	66	23	..
Westport Te Kuha EDL 12/1986	680	14.4	9.2	11.8	..	17.0	6	4.4	30	371	18	..	95	29	..
Westport Te Kuha EDL 01/1987	680	16.6	10.4	13.5	..	21.3	10	5.7	24	744	15	..	209	28	..
Westport Te Kuha EDL 02/1987	680	15.6	9.0	12.3	..	19.7	15	5.9	18	250	15	..	62	4	..
Westport Te Kuha EDL 03/1987	680	14.0	8.4	11.2	..	17.1	5	3.3	26	342	16	..	101	30	..
Westport Te Kuha EDL 04/1987	680	12.3	6.4	9.4	..	15.3	14	2.3	23	400	16	..	117	20	..
Westport Te Kuha EDL 05/1987	680	10.6	6.2	8.4	..	13.9	20	3.6	7	589	17	..	125	28	..
Westport Te Kuha EDL 06/1987	680	7.9	3.9	5.9	..	11.4	14	0.4	17	461	20	..	127	14	..
Greymouth Aero 07/1987	4	12.4	4.3	8.4	+0.7	15.2	14	0.7	6	124	15	-66	48	11	102
Springs Junction 07/1987	421	8.6	-1.0	3.8	+0.5	12.2	15	-6.0	7	83	17	-81	14	12	..
Culverden MWD 07/1987	174	10.8	-0.3	5.3	..	17.0	9	-5.5	7	45	8	..	17	12	..
Knobs Flat 05/1987	375	..	..	..	..	..	..	..	..	191	..	-29	46	28	..
Knobs Flat 06/1987	375	8.5	0.3	4.4	..	11.5	3	-5.0	10	145	14	-40	45	3	..
Cherry Farm Hospital 05/1987	6	15.5	4.3	9.9	+1.7	21.0	4	0.1	14	182	12	+127	72	18	..
Cherry Farm Hospital 06/1987	6	11.8	3.2	7.5	+1.4	19.3	2	-1.9	23	82	17	+32	30	25	..
Cherry Farm Hospital 07/1987	6	11.3	1.8	6.6	+1.2	16.2	11	-2.5	27	14	11	-44	4	21	..
Queenstown 07/1987	329	7.8	0.1	4.0	+0.2	13.8	11	-3.8	27	57	11	-2	37	20	90
Ci Rarotonga Aero 05/1987	7	25.8	21.2	23.5	-0.2	30.0	1	17.0	29	213	19	+30	62	18	106
Chatham I Kaiangaroa 07/1987	41	10.2	5.3	7.8	..	13.4	12	1.4	2	47	27	..	8	2	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1941-1970. No normals are available for stations with only short records.

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

A 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 AUGUST 1987

General—Over most of New Zealand August was much drier and warmer than usual. A notable feature for the month was the lack of strong cold southerly conditions, which are usually fairly frequent at this time of year. In August there is usually plenty of snow for skiers, but this month some skifields had to be closed because there was too little snow. Westerlies predominated over the south of the South Island, while south-westerlies prevailed over the north of the country. Strong winds were more frequent than usual in the far south, but less frequent in the north. Mean sea level pressures were 5 to 6 hPa above normal in most places.

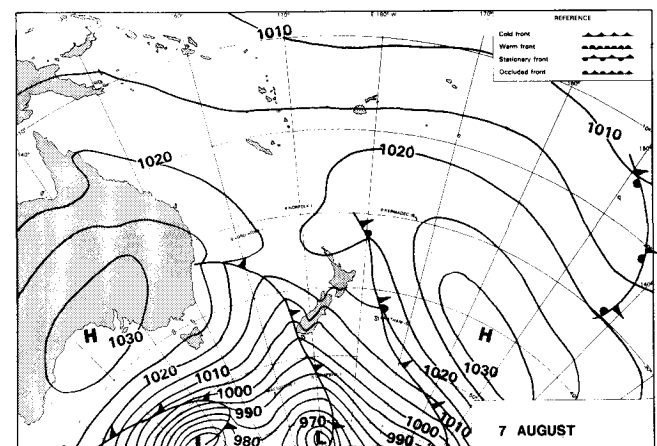
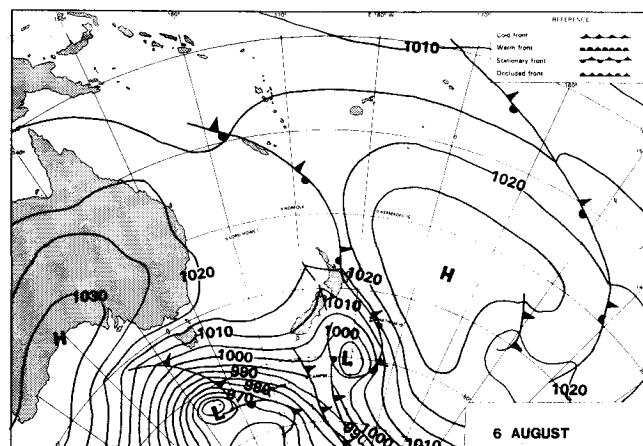
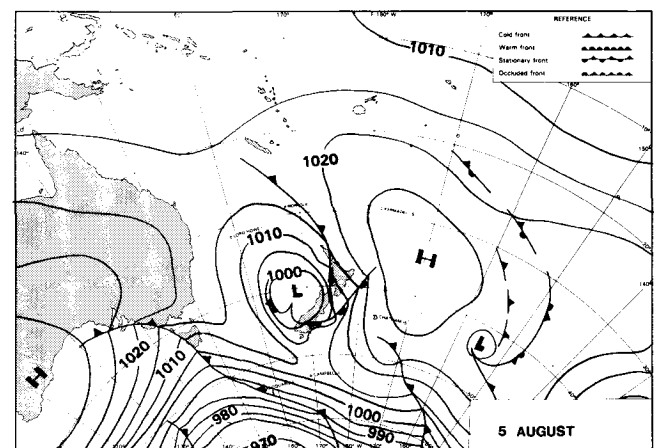
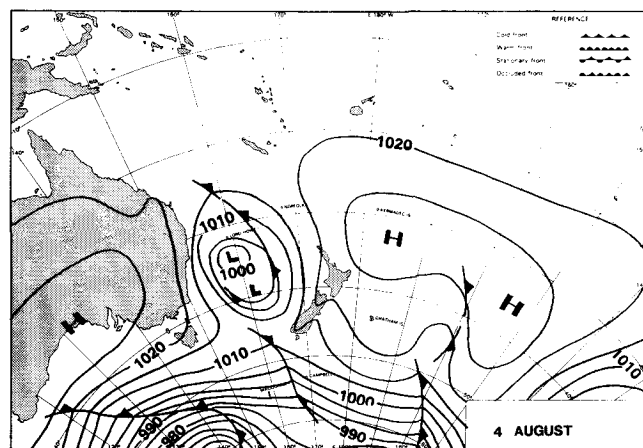
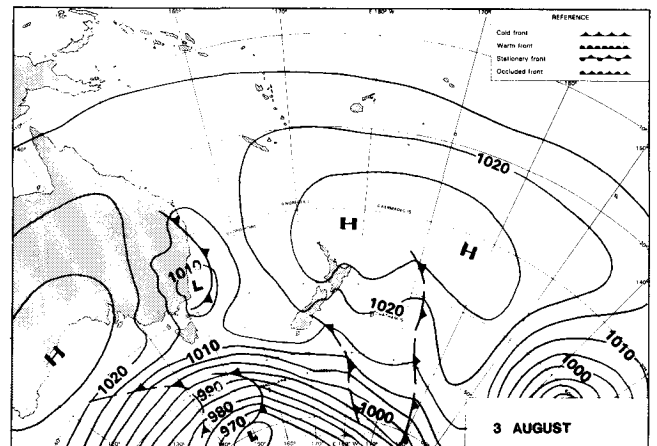
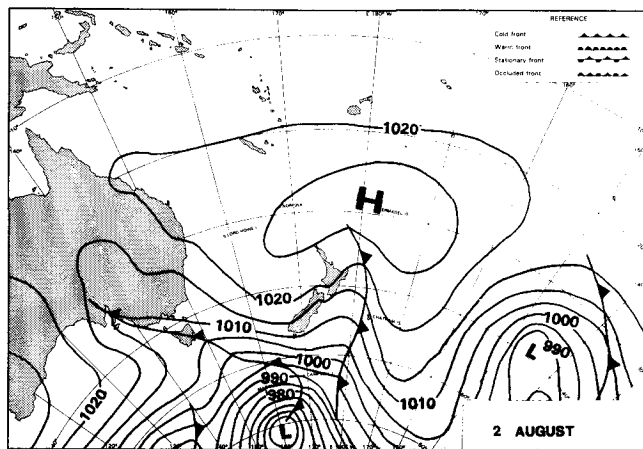
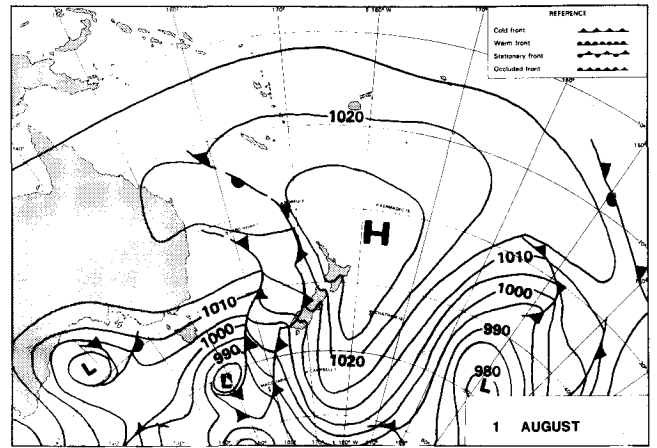
Rainfall—Totals were near, or just below normal in Bay of Plenty, Horowhenua, Nelson, Southland and Westland. Elsewhere totals were about half to one third of normal. In most east coast regions, including Auckland, Nelson and Wellington, very little rain fell from the 6th to the 20th, inclusive. The driest regions were Wairarapa, Wanganui and Manawatu, with totals of 25 to 35 percent of normal. Waingawa, Wanganui, Ohakea and Palmerston North all recorded their lowest August rainfall on record (records began in 1926, 1941 and 1959 respectively). It was also rather dry in parts of Canterbury and coastal Otago where rainfall was only 30 to 35 percent of normal. At Kelburn, Wellington, with rainfall 42 percent of normal it was the driest August there since 1964.

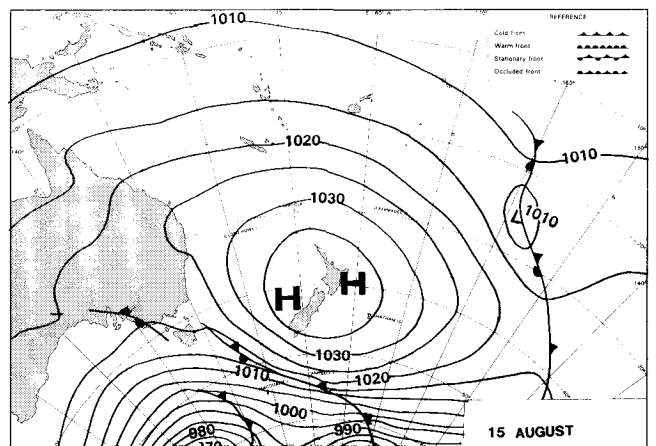
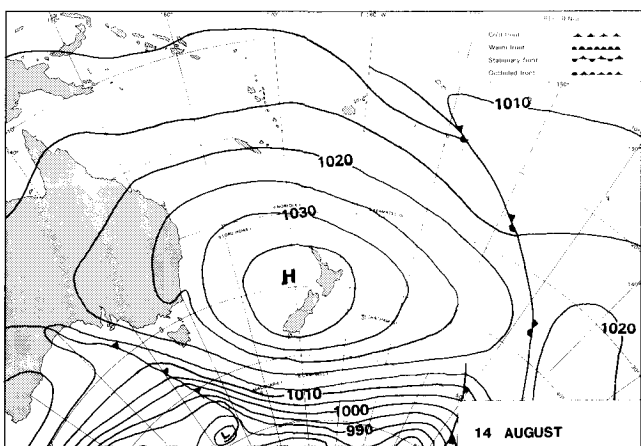
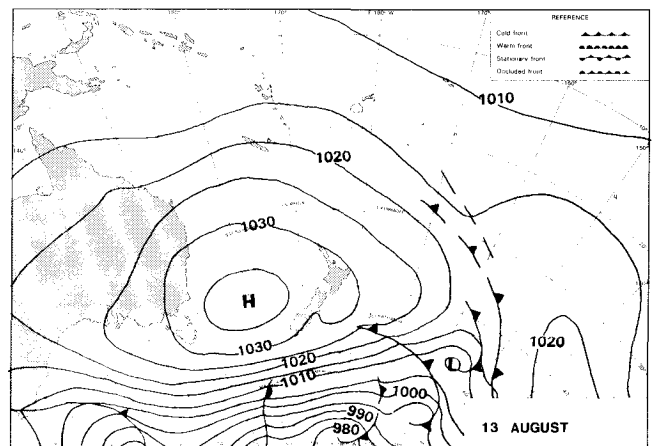
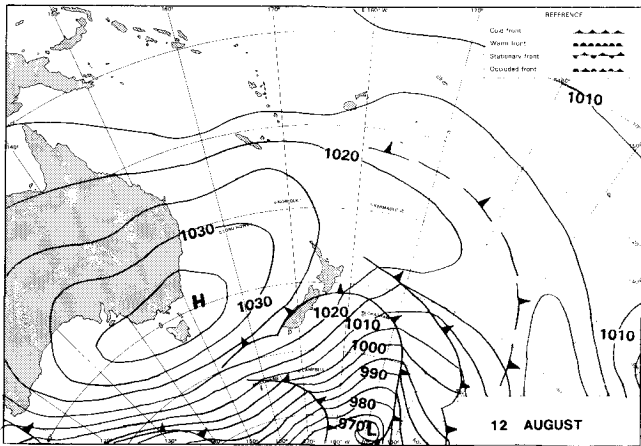
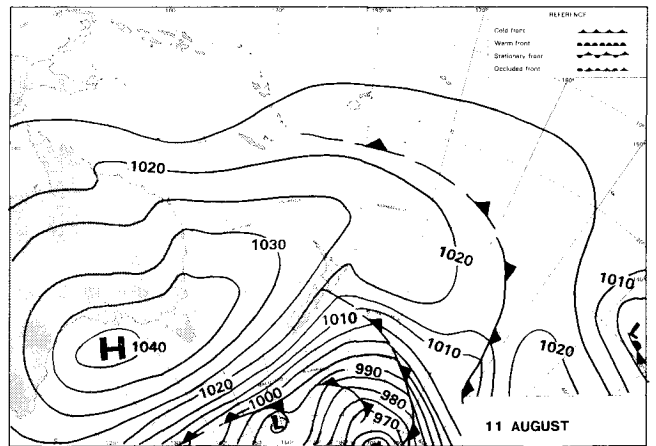
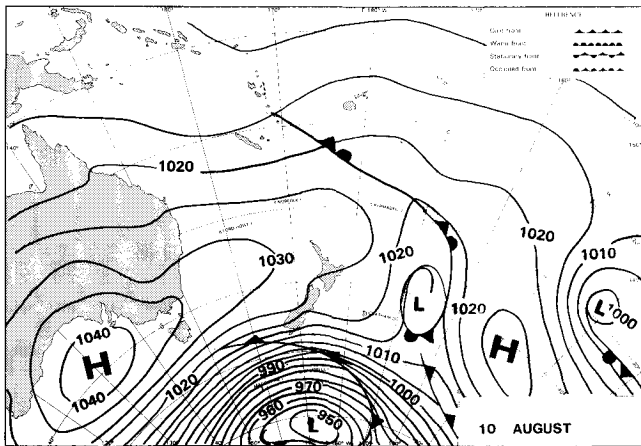
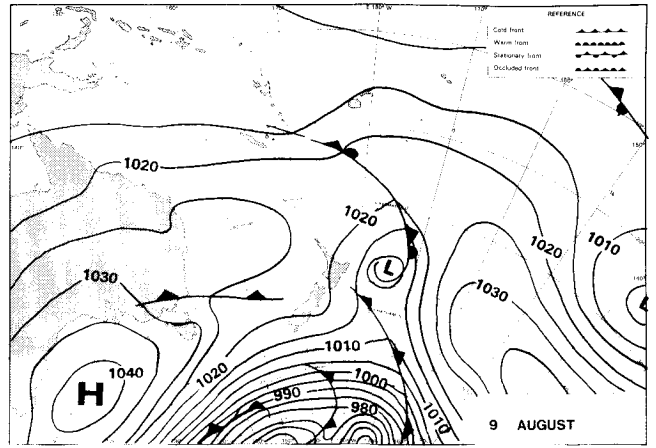
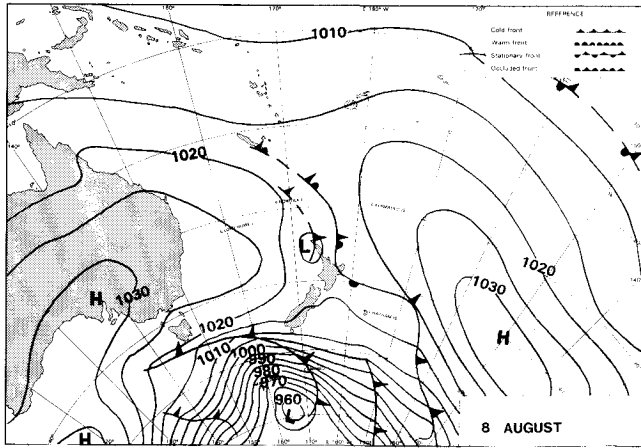
Temperatures—Mean temperatures were well above normal throughout much of the country. From New Plymouth northward they were 1°C above normal; elsewhere they were 1.5 to 2°C above normal. In inland South Canterbury they were even higher, being up to 3.5°C above normal. In some North Island places and many South Island places this was the warmest August on record. For example, Kelburn (Wellington), Lake Coleridge, Alexandra, The Hermitage, Onepoto (Lake Waikaremoana), Ohakea and Invercargill, where records began in 1862, 1918, 1929, 1930, 1935, 1940 and 1948 respectively.

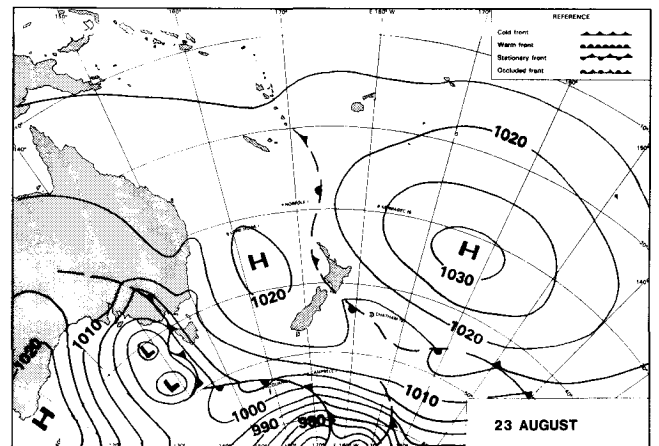
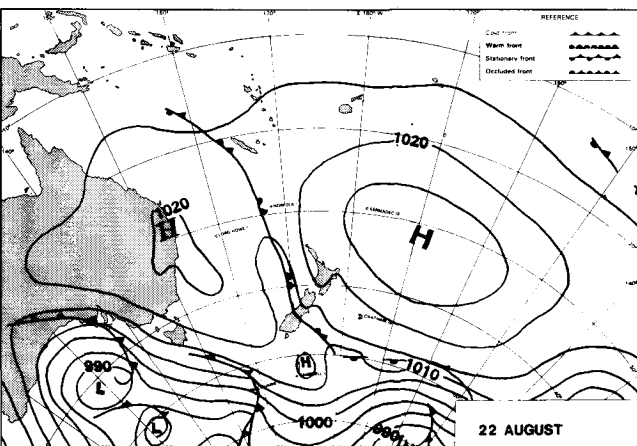
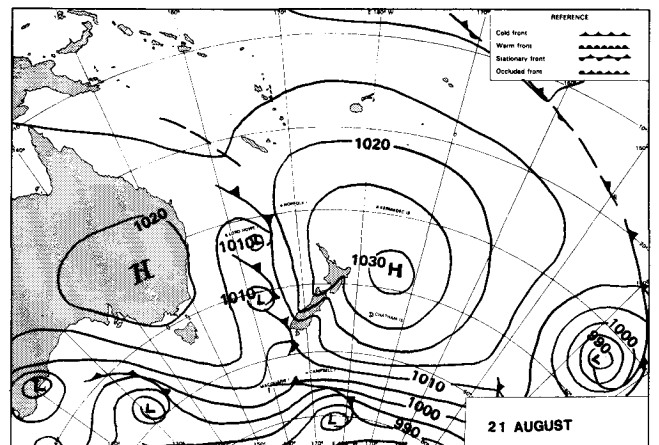
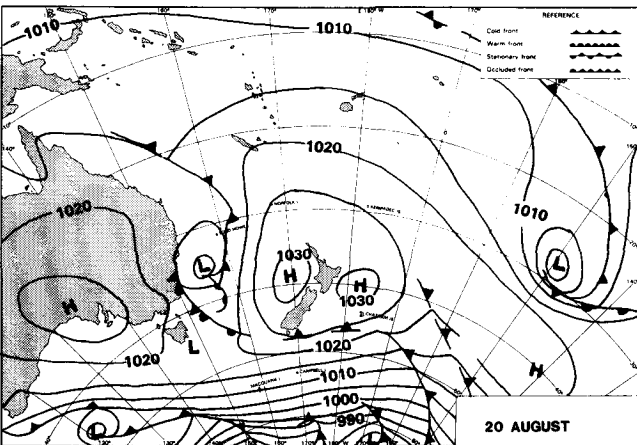
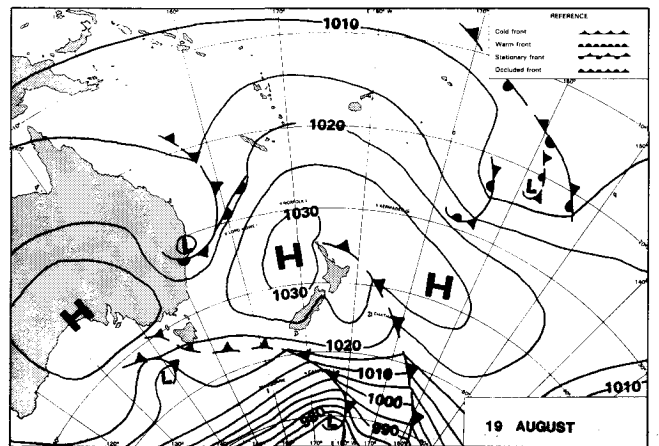
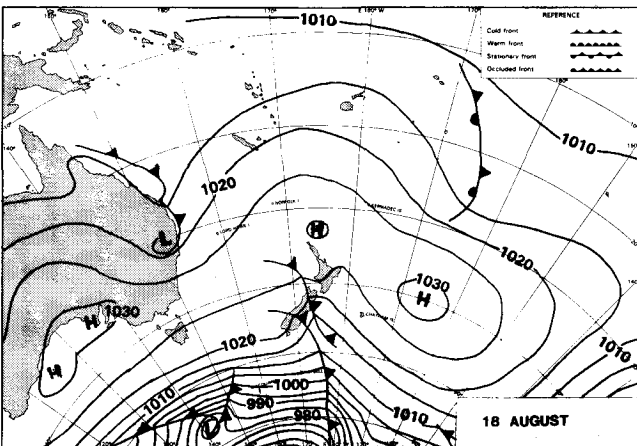
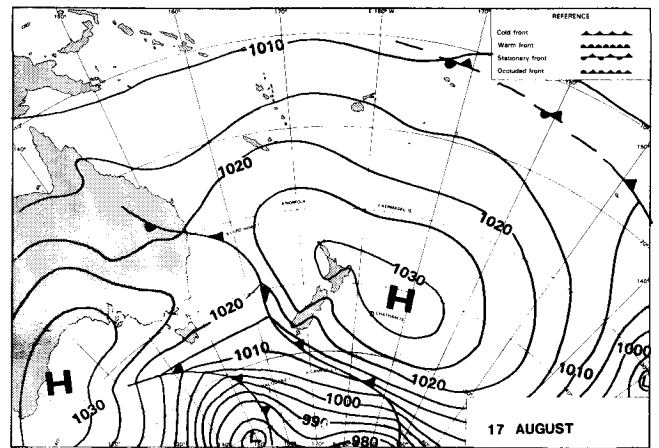
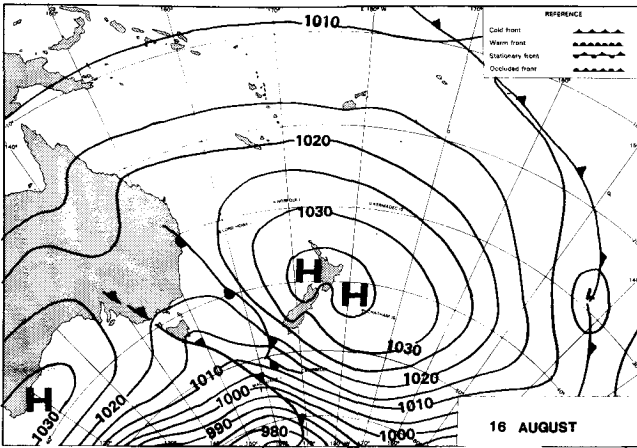
Sunshine—Hours of bright sunshine were 110 to 120 percent of normal in most places in the North Island, and in Marlborough and North Canterbury. This was the second sunniest August at Waingawa since records began in 1930, with a total of 180 hours. The sunniest was in 1935 with 181 hours. It was rather cloudy in Westland, with only 60 to 80 percent of normal sunshine. Only 76 hours were recorded at Hokitika Airport, being the second lowest on record since records began there in 1964.

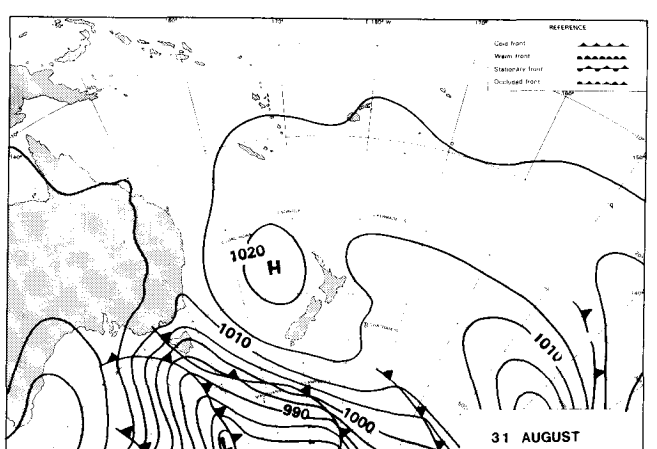
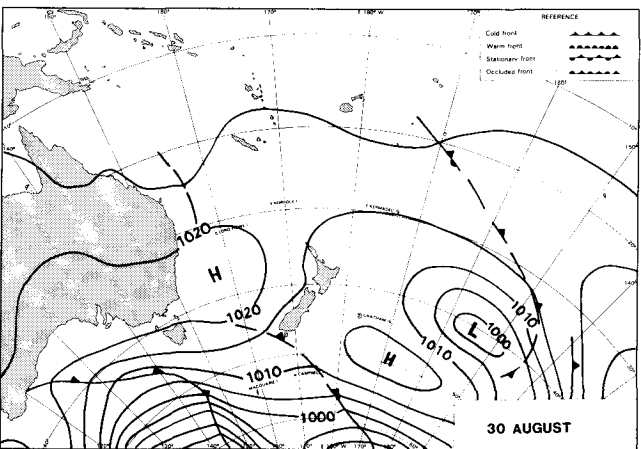
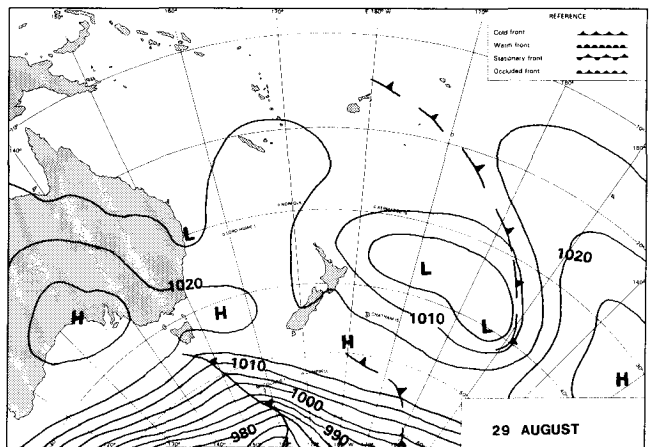
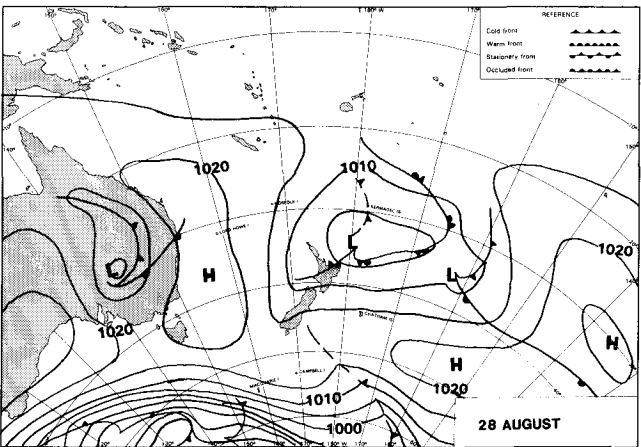
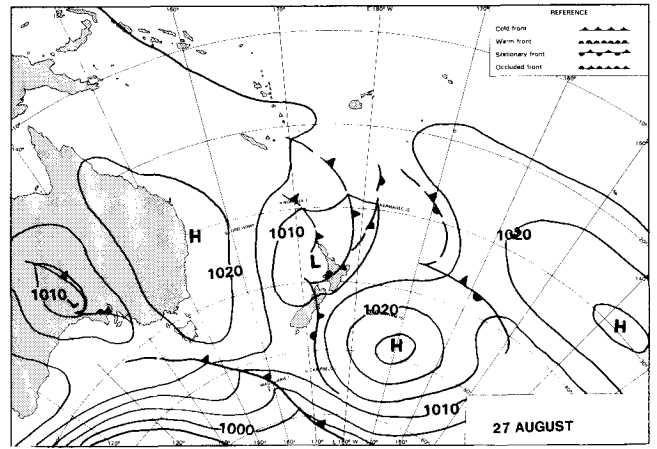
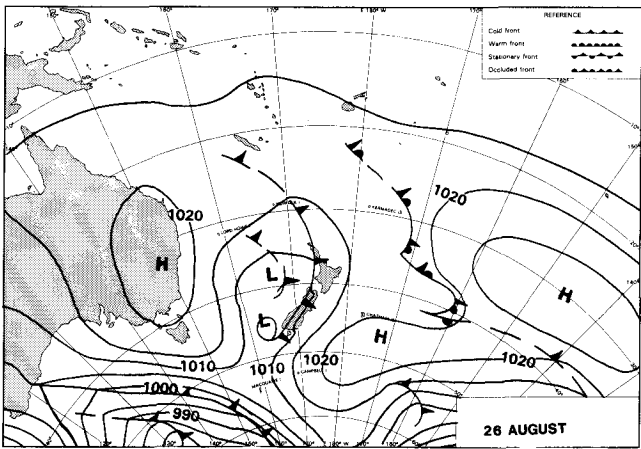
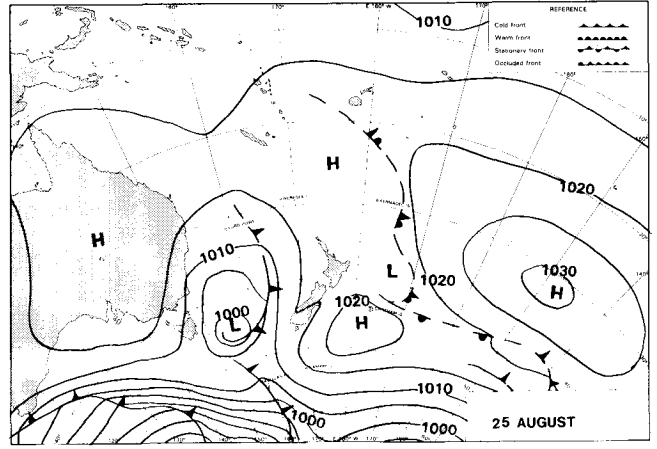
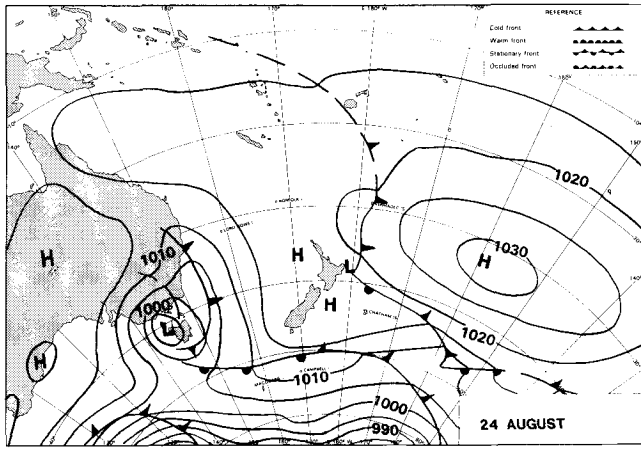
J. S. HICKMAN, Director.

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