

AUGUST 2008

Summary of the records of Temperature, Rainfall and Sunshine August 2008

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Cape Reinga AWS	214	14.5	10.2	12.4	..	..	..	..	..	120	26	+24	22	23	..
Kaitaia Aero EWS	80	15.5	8.8	12.2	..	17.9	25	1.3	11	173	27	..	52	23	..
Kaitaia Observatory	85	15.5	8.5	12.0	..	17.8	25	1.5	11	155	27	+1	43	23	183
Kaitaia EWS	85	15.7	9.0	12.4	+0.3	18.1	25	1.9	11	145	27	..	39	23	176
Kerikeri EWS	79	16.2	7.1	11.7	+0.1	18.9	8	-0.3	11	215	26	+28	73	23	..
Kaikohe AWS	204	14.4	8.5	11.5	+0.5	..	..	..	..	190	28	+35	53	23	..
Dargaville 2 EWS	66	14.8	9.1	12.0	..	18.0	24	1.5	11	156	23	..	23	23	160
Whangarei Aero AWS	37	15.7	8.3	12.0	+0.2	18.5	24	0.8	11	130	26	-6	31	23	..
Leigh 2	27	15.1	9.9	12.5	+0.0	18.0	28	4.0	10	132	26	+11	13	23	..
Warkworth EWS	72	14.5	7.5	11.0	..	18.2	24	-0.3	10	185	24	+29	29	23	..
Whangaparaoa AWS	89	14.6	8.6	11.6	..	16.9	26	4.2	10	110	23	..	11	23	..
Tiri Tiri Lighthouse	76	14.2	9.7	12.0	+0.3	16.0	1	5.0	10	117	25	+16	12	23	..
Arc Kumeu EWS	16	15.0	7.5	11.3	..	18.6	24	-2.0	10	220	23	..	43	24	..
Whenuapai AWS	26	14.9	7.8	11.4	..	..	..	..	..	..	..	..	..	..	..
North Shore, Auckland	20	16.1	7.4	11.8	..	18.1	26	0.8	10	..	..	..	..	..	..
Henderson, River Pk	7	15.8	7.2	11.5	+0.6	19.1	24	-1.6	10	231	27	+63	32	24	..
Henderson, Auckland R	35	13.6	7.5	10.6	..	16.9	24	-0.5	10	..	..	..	..	..	..
Lincoln Rd, Auckland	25	18.7	10.2	14.5	..	25.2	24	2.5	10	..	..	..	..	..	..
Khyber Pass, Auckland	81	14.9	9.4	12.2	..	18.5	25	3.6	10	161	25	..	24	24	..
Musick Pt Ews, Auckla	18	15.3	7.9	11.6	..	17.4	25	2.7	10	..	..	..	..	..	..
Auckland,Owairaka	41	14.7	7.7	11.2	-0.1	18.3	24	-0.7	10	174	29	+53	21	24	..
Onehunga, Auckland Re	5	14.4	9.1	11.8	+0.3	17.7	25	2.3	10	..	..	..	..	..	..
Waiheke Island, Awaro	34	15.0	7.1	11.1	..	18.0	25	-0.7	10	159	24	+20	21	23	..
Whitianga Aero AWS	5	15.1	7.3	11.2	+0.6	..	..	..	..	173	24	-3	25	23	..
Thames 2	3	14.9	8.0	11.5	+0.3	18.5	24	0.0	10	160	..	+37	19	15	152
Paeroa AWS	18	15.0	7.2	11.1	+0.6	..	..	..	..	140	27	+17	25	15	..
Toenepi EWS	48	14.9	6.3	10.6	..	19.2	26	-2.2	10	164	21	..	27	15	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	176
Tauranga Aero AWS	4	14.8	7.2	11.0	+0.5	18.4	28	0.3	11	140	21	+24	22	24	..
Te Puke EWS	91	14.8	5.2	10.0	..	19.8	27	-1.8	11	200	21	+42	47	24	..
Whakatane Aero AWS	7	14.8	4.3	9.6	+0.0	..	..	..	..	148	17	+36	36	24	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	211
White Island	310	13.6	8.6	11.1	..	..	..	..	..	..	..	..	..	..	..
Kawerau	42	15.9	3.7	9.8	..	..	..	..	..	..	..	..	..	..	..
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	164
Rotorua Aero AWS	283	12.3	4.2	8.3	-0.1	16.5	27	-2.8	20	214	21	+71	58	24	..
Tarapounamu EWS	701	6.3	0.4	3.4	..	11.1	25	-5.1	10	283	21	..	56	24	..
Taupo AWS	400	11.4	3.7	7.6	+0.4	14.7	27	-4.2	20	137	18	..	24	24	..
Opotiki	5	15.2	4.5	9.9	-0.1	19.1	26	-1.5	10	178	18	+46	56	24	..
Motu EWS	488	8.4	-0.1	4.2	..	13.0	26	-6.8	20	210	24	..	51	2	..
Mangere EWS	5	14.0	8.4	11.2	..	17.2	25	1.0	10	186	24	..	25	24	145
Wiri, Auckland Region	18	14.0	8.4	11.2	+0.2	17.6	25	0.5	10	..	..	..	..	..	..
Pakuranga, Auckland R	15	16.0	6.3	11.2	..	18.7	25	-1.7	10	..	..	..	..	..	..
Penrose EWS	30	16.6	8.5	12.6	..	19.8	25	1.0	10	..	..	..	..	..	..
Auckland Aero	33	14.5	8.9	11.7	+0.3	17.2	24	2.4	10	167	23	+58	19	24	..
Ardmore	23	15.7	5.7	10.7	+0.2	19.5	25	-2.0	10	191	25	+62	23	24	..
Pukekohe EWS	88	14.1	6.5	10.3	-0.4	18.7	25	..	..	207	24	..	31	15	..
Whatawhata 2 EWS	118	13.7	7.0	10.4	..	17.5	26	-0.8	10	284	28	..	33	24	..
Ruakura 2 EWS	45	14.3	5.3	9.8	..	17.8	25	-3.0	10	173	21	..	22	11	145
Hamilton AWS	53	14.3	5.4	9.9	+0.5	18.0	26	-2.0	10	168	22	+52	17	24	..
Port Taharoa AWS	27	14.6	8.3	11.5	+0.2	17.1	31	1.2	10	199	24	..	36	24	..
Waikeria	46	14.4	5.3	9.9	+0.6	18.5	27	-2.5	10	166	15	+40	26	2	..
Te Kuiti EWS	62	14.5	5.4	10.0	..	18.6	26	..	..	..	..	..	..	..	135
Taumarunui	171	13.1	4.2	8.7	+0.2	17.1	30	-2.3	20	228	28	+86	42	2	..
Taumarunui AWS	195	13.0	3.9	8.5	..	17.2	29	-4.2	20	234	26	..	34	2	..
Turangi 2 EWS	350	11.9	3.0	7.5	..	17.1	27	-5.7	20	228	18	..	45	24	139
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	146
New Plymouth AWS	30	14.1	7.3	10.7	+0.6	16.8	26	-0.9	10	277	19	+148	64	24	..
Lower Retaruke	219	12.9	4.3	8.6	+0.5	17.7	29	-3.3	20	261	26	+113	37	2	..
Mt Ruapehu, Chateau E	1097	6.0	-0.6	2.7	-0.5	11.6	27	-8.1	20	389	25	+134	54	2	..
Alfredton EWS	240	12.7	4.0	8.4	..	17.6	25	-4.7	21	182	25	..	26	15	..
Kopua	311	12.1	4.6	8.4	+0.6	15.7	22	-1.9	11	92	21	+4	22	26	..
Takapau Plains AWS	330	11.4	4.0	7.7	98	25	..	21	24	..

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Motueka, Riwaka EWS	8	13.4	3.0	8.2	+0.2	17.6	21	-3.1	10	195	16	+31	46	11	..
Maud Island	15	12.4	..	..	..	15.5	27	..	..	220	..	..	56	11	..
Nelson Aero	2	13.1	3.7	8.4	+0.4	18.0	26	-2.6	10	131	16	+40	38	2	173
Appleby 2 EWS	18	13.9	2.7	8.3	..	18.6	26	-4.2	10	133	14	..	43	11	164
Nelson AWS	4	13.4	3.9	8.7	+0.3	18.1	26	-2.4	10	127	15	..	33	11	..
Blenheim Research EWS	4	13.5	3.8	8.7	+0.1	18.2	22	-2.2	10	131	13	+62	38	25	168
Blenheim Aero AWS	35	12.8	2.6	7.7	-0.4	17.7	22	-4.1	10	162	16	+95	41	2	..
Brothers Island AWS	68	12.4	8.2	10.3	..	..	..	..	..	..	..	..	..	..	..
Awatere Valley, Dashw	83	12.3	3.0	7.7	..	17.0	22	-3.3	10	145	11	..	43	25	..
Grassmere Salt Works	2	9.8	2.7	6.3	-2.6	14.1	22	-3.6	20	185	11	+122	82	25	..
Cape Campbell AWS	2	11.1	6.9	9.0	..	..	..	..	..	..	..	..	..	..	..
Boyle River Lodge	600	8.4	0.0	4.2	..	15.0	28	-7.0	20	261	19	..	52	25	..
Hanmer Forest EWS	363	11.0	-0.8	5.1	-0.5	18.4	31	-7.3	20	284	19	+161	135	25	..
Kaikoura AWS	105	10.4	5.3	7.9	-0.6	15.2	22	2.0	10	240	12	+170	126	25	..
Arthurs Pass	738	6.2	-1.4	2.4	-0.6	11.7	27	-9.3	20	90	14	-242	21	22	..
Arthurs Pass EWS	738	6.1	-1.7	2.2	..	12.6	27	-9.5	20	219	22	..	50	22	..
Culverden	178	12.0	0.8	6.4	..	..	..	..	..	123	12	+63	39	25	..
Mt Cook EWS	765	7.4	-1.6	2.9	-0.8	14.7	31	-7.6	20	109	19	-187	22	22	107
Craigieburn Forest	914	7.5	-2.4	2.6	-0.8	12.8	28	-8.5	20	177	26	+27	26	1	..
Snowdon EWS	560	9.2	0.5	4.9	..	..	..	..	..	174	19	..	53	25	..
Winchmore EWS	160	10.9	1.8	6.4	-0.4	17.9	22	-3.8	11	110	17	+35	43	25	..
Peel Forest	286	10.5	-0.2	5.2	-0.9	16.5	21	-5.7	10	112	14	+35	25	24	..
Ashburton Council	101	11.5	1.3	6.4	-0.7	18.0	22	-3.7	11	112	20	+41	45	25	..
Ashburton Aero AWS	89	10.9	1.4	6.2	..	..	..	..	..	101	22	..	42	25	158
Waipara West EWS	130	11.4	2.9	7.2	..	17.2	22	-2.3	20	157	16	..	67	25	147
Rangiora EWS	23	11.4	2.0	6.7	-0.4	19.3	22	-3.6	11	107	14	..	47	24	135
Darfield	195	11.2	2.1	6.7	-0.5	18.5	31	-2.0	11	146	18	+61	46	24	..
Darfield EWS	190	10.8	2.7	6.8	..	..	..	..	..	126	15	..	41	24	..
Christchurch Aero	37	10.8	1.2	6.0	-1.0	18.4	22	-4.3	11	98	15	+32	33	24	150
Christchurch Gardens	7	11.0	2.7	6.9	-0.8	18.8	22	-2.5	11	97	17	+28	25	24	..
Christchurch, Kyle St	6	11.9	1.5	6.7	..	19.5	22	-4.5	20	95	15	..	27	24	..
Lincoln, Broadfield E	18	11.0	1.9	6.5	-0.8	18.1	22	-3.7	11	90	15	..	21	24	..
Sugar Loaf AWS	618	8.0	2.5	5.3	..	..	..	..	..	..	..	..	..	..	..
Lyttelton Harbour	5	11.2	4.9	8.1	..	..	..	..	..	..	..	..	..	..	..
Le Bons Bay AWS	236	9.1	4.5	6.8	-0.6	15.3	22	0.6	9	85	17	..	18	24	..
Lake Tekapo, Air Safa	762	6.9	-2.0	2.5	-0.9	14.2	28	-6.9	13	36	11	-26	10	24	..
Lake Tekapo EWS	762	7.2	-2.1	2.6	..	14.2	28	-7.2	13	42	11	..	15	1	157
Woodbury	195	11.6	0.2	5.9	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	11.3	1.2	6.3	-0.2	17.7	22	-3.7	11	121	13	+57	53	24	..
Orari Estate Tews	81	10.6	1.7	6.2	..	17.2	22	-3.0	11	111	13	..	49	24	..
Timaru Aero AWS	26	10.7	0.9	5.8	-0.5	..	..	..	..	91	12	+45	45	24	..
Timaru 2	17	10.6	2.5	6.6	-0.4	17.1	22	..	..	91	9	+44	44	24	142
Timaru EWS	17	10.6	2.5	6.6	..	17.0	22	-3.1	11	88	9	..	42	24	..
Oamaru Airport AWS	30	10.1	1.3	5.7	..	15.0	22	-2.7	10	53	13	..	19	24	..
Albert Burn	1280	4.5	-4.2	0.2	..	..	..	-9.2	10	2	1	..	2	3	..
Tara Hills AWS	488	8.7	-0.9	3.9	-0.2	..	..	..	..	19	9	-22	6	22	..
Wanaka Aero AWS	352	9.5	-0.2	4.7	..	15.3	31	-4.7	10	17	9	..	6	21	..
Naseby Forest 2	607	8.1	-2.2	3.0	-0.8	14.3	21	-7.4	..	19	7	-17	7	22	..
Windsor EWS	81	10.3	0.2	5.3	..	15.5	7	-4.6	20	31	10	..	11	25	..
Ranfurlly EWS	450	8.3	-1.4	3.5	..	13.8	28	-6.2	11	9	9	..	4	17	..
Oamaru AWS	40	10.5	2.7	6.6	..	..	..	..	..	49	14	..	17	24	..
Palmerston	21	11.0	0.8	5.9	-0.5	16.6	28	-4.7	10	38	16	-24	8	8	132
Middlemarch EWS	213	9.5	-0.5	4.5	..	16.0	31	-6.3	11	12	11	..	4	16	133
Swampy Summit AWS	722	4.1	-0.6	1.8	..	..	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	1	10.6	0.9	5.8	-0.7	15.9	31	-5.0	10	39	20	-10	8	8	..
Dunedin, Musselburgh	4	10.0	3.5	6.8	-0.8	14.2	7	-1.7	10	55	19	-11	12	17	127
Murchison Mtns EWS	1140	4.0	-3.5	0.3	..	11.4	28	-8.2	19	70	16	..	35	21	..
Manapouri, West Arm J	178	7.7	0.4	4.1	..	15.4	31	-3.9	10	153	15	..	51	21	..
Manapouri Aero AWS	209	9.5	-0.6	4.5	..	15.5	31	-6.0	10	57	17	..	14	21	..
Queenstown	329	10.5	0.8	5.7	-0.1	17.7	31	-3.4	10	53	13	-20	13	21	114
Queenstown Aero AWS	354	9.2	-0.7	4.3	-0.5	14.7	31	-5.6	10	46	14	-10	11	21	..
Lumsden AWS	187	9.3	0.0	4.7	-0.9	14.3	26	-5.9	10	75	16	..	24	16	..
Cromwell EWS	213	11.6	0.2	5.9	..	17.2	31	-6.0	10	14	8	..	8	22	180

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Lauder EWS	375	8.7	-0.9	3.9	..	15.2	31	-5.6	10	8	9	..	2	12	..
Ophir 2	305	9.6	-3.4	3.1	..	16.4	31	-8.0	10	8	..	..	3	12	..
Alexandra	150	11.5	-1.9	4.8	..	17.8	31	-7.6	10	8	9	..	3	12	132
Clyde EWS	171	10.6	-1.4	4.6	-0.7	16.9	31	-6.1	10	7	8	..	2	12	..
Ettrick No.2	91	10.5	-0.7	4.9	-1.1	17.1	31	-6.0	10	25	11	..	10	16	..
Tapanui	180	9.8	0.0	4.9	-1.3	17.5	31	..	..	74	..	+6	17	16	..
Winton	44	10.8	1.5	6.2	-0.3	17.5	31	-3.5	10	96	14	+31	28	16	145
Gore AWS	123	9.0	1.5	5.3	-0.7	15.0	31	-3.7	10	79	18	+17	18	16	..
Thornbury	20	11.3	1.6	6.5	..	18.0	31	-4.5	12	64	15	..	12	21	..
Invercargill Aero		10.3	1.8	6.1	-0.3	16.9	31	-4.2	10	98	21	+27	23	16	147
Invercargill Aero AWS	1	10.0	1.5	5.8	..	16.7	31	-4.2	10	94	21	..	19	16	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	94	21	..	23	16	141
Tiwai Point EWS	5	9.5	3.0	6.3	-0.9	16.8	31	-2.4	10	97	19	+25	20	16	..
Balclutha, Telford Ew	11	8.4	-0.1	4.2	..	13.6	31	-5.7	10	73	17	..	13	12	142
Nugget Point AWS	129	9.0	3.7	6.4	-0.5	..	..	..	..	85	22	..	15	3	..
Tautuku	25	10.4	2.3	6.4	-0.6	16.5	31	-2.5	10	126	19	+34	20	3	..
South West Cape AWS	101	9.3	4.9	7.1	..	14.8	31	1.5	16	102	26	..	17	15	..
Nauru Upper Air	6	..	26.2	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	29.3	23.9	26.6	..	..	..	20.0	17	210	..	..	..	..	..
Vanuatu,Pekoa	56	..	21.9	..	..	..	..	..	..	63	..	..	..	..	..
Vanuatu,Lamap	22	..	23.0	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	29.1	20.2	24.7	..	..	..	..	..	67	..	..	..	..	..
Vanuatu,Burtonfield	70	26.9	18.9	22.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	19.0	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	24.7	17.0	20.9	..	..	..	..	..	49	..	..	..	..	..
New Cal, Oulop	7	25.9	18.3	22.1	..	28.3	24	..	..	15	..	..	..	..	..
New Cal, Ouanaham	29	24.9	15.9	20.4	..	27.3	24	6.9	1	18	13	..	10	8	..
New Cal, Poinoimie	13	25.5	17.7	21.6	..	27.9	24	..	..	83	..	..	..	..	..
New Cal, La Roche	42	24.5	13.4	19.0	..	27.8	24	..	..	9	..	..	..	..	..
New Cal, La Tontouta	14	25.3	14.3	19.8	..	29.5	6	10.4	2	45	10	..	18	8	..
New Cal, Nouma	72	23.8	18.0	20.9	..	27.5	23	15.6	15	64	10	..	31	8	..
New Cal, Moue	97	22.8	16.3	19.6	..	..	..	..	..	45	..	..	..	..	..
Kiribati,Tarawa	2	31.0	26.0	28.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	25.3	..	..	..	..	..	..	67	..	..	..	..	..
Tuvalu,Nui Is	2	29.8	25.1	27.5	..	..	..	..	..	193	..	..	..	..	..
Tuvalu,Funafuti Aero	1	30.5	25.8	28.2	..	..	..	..	..	319	..	..	..	..	..
Tuvalu, Niulakita Is	3	30.6	24.1	27.4	..	..	..	..	..	80	..	..	..	..	..
Fiji,Rotuma	26	29.6	24.7	27.2	..	..	..	..	..	236	..	..	..	..	..
Fiji, Nambowalu	36	27.9	23.0	25.5	..	30.0	18	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.5	20.2	24.9	..	32.0	16	..	..	3	..	..	..	..	..
Fiji, Nadi EWS	15	29.6	20.5	25.1	..	32.2	16	17.8	12	3	3	..	1	20	..
Fiji,Nausori Aero	6	27.7	21.0	24.4	..	..	..	17.5	24	126	..	..	..	..	..
Fiji, Vunisea	33	27.1	21.7	24.4	..	..	..	17.6	24	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.8	25.1	27.5	..	30.5	16	23.1	31	13	3	..	7	30	..
Maopopo, Futuna Isla	36	28.8	24.5	26.7	..	..	..	..	..	..	..	..	..	..	..
Samoa,Faleolo	4	30.4	22.6	26.5	..	..	..	..	..	10	..	..	..	..	..
Samoa, Apia	1	29.3	23.1	26.2	..	31.5	21	..	..	21	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.5	25.9	27.7	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	27.1	19.4	23.3	..	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	..	22.8	..	..	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	26.4	20.3	23.4	..	..	..	..	..	35	..	..	..	..	..
Niue, Hanan Airport	59	27.4	19.4	23.4	..	..	..	..	..	46	..	..	..	..	..
CI Rarotonga Aero	7	26.0	20.5	23.3	..	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	26.2	20.3	23.3	..	30.0	18	14.8	8	29	20	..	9	25	..
Hiva Hoa, Atuona	51	29.1	22.7	25.9	..	31.7	10	20.9	4	82	25	..	36	14	..
Tahiti - Faaa	1	28.8	21.2	25.0	..	29.8	27	19.0	10	15	..	..	..	..	..
Tuamotu, Takaroa	2	28.0	24.0	26.0	..	29.2	20	21.3	27	148	..	..	..	..	..
Tuamotu, Hao	3	27.0	22.4	24.7	..	28.5	23	20.8	14	..	..	..	..	..	..
Gambier, Rikitea	91	22.9	18.7	20.8	..	26.7	25	16.8	16	68	16	..	44	8	..
Tubuai	2	23.8	19.3	21.6	..	25.8	30	15.4	12	67	17	..	23	6	..
Rapa	1	20.5	15.8	18.2	..	23.3	22	10.9	11	117	15	..	43	29	..
Raoul Island AWS	49	19.4	13.8	16.6	..	22.1	4	10.9	22	142	22	..	41	12	..
Enderby Is AWS	40	7.8	3.7	5.8	..	10.0	27	1.0	11	58	28	..	7	5	..

Summary of the records of Temperature, Rainfall and Sunshine August 2008

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Campbell Island AWS	19	6.5	2.5	4.5	-0.7	10.7	31	-1.6	11	102	29	-1	26	13	..
Chatham Islands AWS	48	10.6	6.2	8.4	-0.1	14.1	3	2.0	24	121	26	+45	18	13	..
Chatham Island EWS	14	11.3	5.8	8.6	..	14.8	3	-0.5	31	96	24	..	26	13	..
Georg Von Neumayer	40	-23.0	-31.6	-27.3	..	-5.8	24	-45.7	29	..	..	..	..	..	..
Ant South Pole	2800	-55.8	-64.5	-60.2	..	-43.5	7	-73.3	18	..	..	..	..	..	..
Halley Bay	30	-21.1	-29.1	-25.1	..	-9.4	24	-42.2	31	..	..	..	..	..	..
Gen Belgrano 2	32	-15.8	-22.2	-19.0	..	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	-1.9	-6.7	-4.3	..	5.4	22	-13.7	19	..	..	..	..	..	..
Dinamet	10	-3.8	-6.6	-5.2	..	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	-5.9	-14.4	-10.2	..	3.8	20	..	..	..	..	..	..	..	..
Eduardo Frei	10	-3.2	-7.1	-5.2	..	1.1	5	-13.2	18	..	..	..	..	..	..
Arturo Prat		-2.8	-7.7	-5.3	..	0.6	20	-12.3	16	..	..	..	..	..	..
Bernado Ohiggins	10	-4.8	-9.0	-6.9	..	0.0	19	-18.0	16	48	12	..	12	11	..
Rothera Point	16	-8.0	-13.6	-10.8	..	1.3	20	-22.1	25	..	..	..	..	..	..
Gen San Martin	4	-6.7	..	..	..	..	..	..	..	..	..	..	..	..	..
King Sejong	11	-2.6	-4.8	-3.7	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-17.8	-23.5	-20.7	..	-8.9	19	-32.0	14	..	..	..	..	..	..
Mawson	16	-18.4	-23.6	-21.0	..	-9.6	8	-34.1	31	..	..	..	..	..	..
Davis	13	-18.7	-25.1	-21.9	..	-5.6	8	-38.0	31	..	..	..	..	..	..
Vostok	3420	-66.6	-71.4	-69.0	..	-49.2	3	..	..	..	..	..	..	..	..
Casey	41	-9.9	-17.5	-13.7	..	0.5	16	..	..	..	..	..	..	..	..
Durmout Durville	43	-11.3	-17.2	-14.3	..	-1.1	18	..	..	..	..	..	..	..	..
Mcmurdo	24	-26.6	-36.2	-31.4	..	-14.3	1	-43.8	26	..	..	..	..	..	..
Ant Scott Base	16	-29.3	-43.0	-36.2	..	-15.4	2	-52.0	23	..	..	..	..	..	..
Ant Arrival Heights E	185	-28.2	-36.8	-32.5	..	-15.5	2	-44.2	23	..	..	..	..	..	..
Ant Scott Base EWS	16	-30.2	-43.0	-36.6	..	-15.0	2	-52.2	23	..	..	..	..	..	..
Darwin Airport	31	32.6	19.6	26.1	..	..	..	..	..	0	0	..	0	1	..
Hobart Airport	4	13.4	4.1	8.8	..	..	..	..	..	..	..	..	..	..	..

Late returns and corrections for July 2008

Cape Reinga AWS	214	14.6	11.3	13.0	..	17.0	28	8.0	6	166	25	+33	36	25	..
Kaikohe AWS	204	14.4	8.9	11.7	+0.8	17.8	3	4.0	9	303	28	+128	69	26	..
Dargaville 2 EWS	66	15.1	9.0	12.1	..	18.9	3	1.6	10	225	24	..	43	29	102
Purerua AWS	82	15.4	9.2	12.3	..	..	..	4.2	9	169	19	..	41	29	..
Whangarei Aero AWS	37	15.7	8.1	11.9	+0.4	19.9	3	1.4	10	301	23	+139	97	26	..
Leigh 2	27	15.4	10.1	12.8	+0.4	19.1	30	4.9	6	191	28	+61	46	29	..
Whangaparaoa AWS	89	14.6	9.3	12.0	..	17.5	3	5.3	6	194	24	..	54	29	..
Tiri Tiri Lighthouse	76	14.5	10.2	12.4	+0.9	..	..	..	..	..	..	..	..	..	..
Whenuapai AWS	26	14.9	6.8	10.9	..	19.3	19	-1.3	10	..	..	..	..	..	..
North Shore, Auckland	20	16.2	7.1	11.7	..	20.2	19	0.2	10	..	..	..	..	..	..
Lincoln Rd, Auckland	25	15.4	6.7	11.1	..	..	..	..	..	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	15.6	7.9	11.8	..	..	..	..	..	..	..	..	..	..	..
Waiheke Island, Awaro	34	15.0	6.5	10.8	..	17.1	30	-1.0	7	254	23	+98	49	29	..
Whitianga Aero AWS	5	15.2	6.1	10.7	+0.4	..	..	..	..	357	28	+144	100	29	..
Paeroa AWS	18	14.5	6.6	10.6	+1.1	..	..	..	..	428	24	+277	166	26	..
Whakamarama 1	392	11.2	5.8	8.5	+0.2	14.2	14	1.2	6	472	24	+193	121	29	110
Tauranga Aero AWS	4	14.5	6.6	10.6	+0.6	17.0	3	-0.7	7	224	21	+95	91	29	..
Whakatane Aero AWS	7	14.1	4.8	9.5	+0.5	17.0	31	-3.5	7	204	19	+75	55	29	..
White Island	310	13.3	9.2	11.3	..	..	..	..	..	..	..	..	..	..	..
Kawerau	42	14.8	5.0	9.9	..	..	..	..	..	..	..	..	..	..	..
Rotorua Aero AWS	283	11.9	4.1	8.0	+0.3	14.5	19	-2.9	9	197	19	+53	48	30	..
Taupo AWS	400	11.0	3.3	7.2	+0.5	13.9	19	-3.3	8	140	21	..	34	30	..
Mangere EWS	5	14.2	7.5	10.9	..	18.5	19	-0.1	10	236	23	..	57	29	113
Pakuranga, Auckland R	15	16.0	5.5	10.8	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	16.7	8.1	12.4	..	..	..	..	..	..	..	..	..	..	..
Auckland Aero	33	14.7	8.0	11.4	+0.6	18.7	19	0.2	10	215	25	+78	48	29	..
Hamilton AWS	53	13.5	4.8	9.2	+0.7	16.9	19	-3.9	9	200	26	+63	35	30	..
Port Taharoa AWS	27	14.4	7.9	11.2	+0.3	17.1	19	1.8	7	229	26	..	41	11	..
Te Kuiti EWS	62	13.7	4.9	9.3	..	16.7	13	-2.3	10	263	25	..	49	30	91
Taumarunui AWS	195	12.6	3.1	7.9	..	15.7	13	-5.0	10	267	25	..	39	30	84
Turangi 2 EWS	350	11.5	3.2	7.4	..	15.8	13	-5.6	10	305	22	..	65	11	100
New Plymouth AWS	30	14.1	6.6	10.4	+0.8	16.9	2	-2.0	7	231	25	+84	41	11	..
Mt Ruapehu, Chateau E 1097	6.3	-0.4	3.0	+0.1	10.2	13	-6.2	8	479	25	+194	73	30	..	

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Takapau Plains AWS	330	11.3	3.7	7.5	..	17.2	22	-1.1	6	152	20	..	44	30	..
Castlepoint AWS	120	12.3	7.5	9.9	-0.2	16.8	11	2.2	6	126	21	..	32	30	..
East Taratahi AWS	91	12.5	3.3	7.9	+0.4	18.0	12	-2.1	7	141	21	..	27	23	..
Ngawi AWS	6	13.1	8.2	10.7	..	17.1	11	4.8	6	308	20	..	128	30	..
Hicks Bay AWS	46	14.8	8.1	11.5	+0.4	16.6	3	1.8	7	282	16	..	88	29	..
Gisborne AWS	5	14.8	5.8	10.3	+0.8	17.8	12	-0.2	2	127	15	+8	38	30	..
Napier Aero AWS	3	13.8	5.5	9.7	+0.7	19.2	12	0.1	16	140	9	+56	46	30	..
Napier Nelson Pk	2	15.2	6.0	10.6	+1.3	20.1	6	0.0	1	136	8	+45	48	26	107
Hastings AWS	16	14.1	4.3	9.2	..	19.4	3	-3.0	7	136	11	..	47	30	..
Whakatu EWS	5	14.2	3.8	9.0	..	18.7	12	-3.8	7	135	9	..	53	26	..
Waipawa EWS	130	13.0	3.6	8.3	..	18.7	3	-2.5	7	109	16	..	35	30	111
Wairoa, North Clyde E	15	14.2	5.2	9.7	+0.4	17.6	12	-0.6	7	..	..	..	..	..	..
Mahia AWS	136	12.8	7.9	10.4	+0.5	16.9	3	4.0	6	183	17	..	40	30	..
Paraparaumu Aero AWS	5	12.7	6.0	9.4	+0.9	16.3	18	-1.8	7	196	20	..	37	11	..
Palmerston North AWS	39	13.0	4.7	8.9	+0.6	17.6	11	-1.5	10	134	24	+45	20	11	..
Levin AWS	14	13.0	5.3	9.2	+0.7	15.7	18	-1.9	9	196	25	..	28	19	..
Mana Island AWS	100	11.0	7.1	9.1	..	13.7	18	3.2	6	203	23	..	41	11	..
Wellington, Kelburn A	125	11.7	6.7	9.2	..	16.0	13	2.8	7	252	25	..	39	11	..
Wellington Aero	4	12.7	7.4	10.1	+0.6	15.4	21	0.4	7	193	24	+80	25	30	..
Hawera AWS	98	12.6	5.8	9.2	..	17.1	19	-1.4	7	182	25	..	24	23	..
Waiouru	806	8.1	0.9	4.5	+0.2	13.0	12	-8.0	7	182	22	+76	31	30	..
Waiouru AWS	820	7.8	1.2	4.5	..	13.1	12	-9.1	7	182	26	+60	32	30	..
Wanganui AWS	8	13.5	6.7	10.1	+0.6	17.6	19	1.1	10	140	23	..	18	11	..
Wanganui 2 AWS	18	14.2	6.4	10.3	..	..	..	..	..	..	..	..	..	..	..
Takaka EWS	20	13.7	3.7	8.7	..	17.8	22	-1.8	7	355	18	..	111	10	113
Farewell Spit AWS	3	13.4	7.7	10.6	+1.1	..	..	..	..	..	..	..	..	..	..
Hokitika AWS	38	12.0	3.8	7.9	+0.4	14.1	19	-2.5	6	267	16	..	27	10	..
Blackball	35	..	0.9	..	..	..	..	..	..	504	..	..	..	..	..
Okarito	2	12.6	3.4	8.0	..	16.1	31	-2.2	6	240	16	+14	42	19	..
Franz Josef	155	..	4.1	..	..	..	..	0.5	26	403	..	+43	101	2	..
Haast AWS	5	12.5	5.1	8.8	+1.2	16.4	23	-2.7	5	215	20	..	48	2	..
Secretary Island AWS	19	12.7	6.8	9.8	..	17.0	30	1.3	5	247	15	..	28	13	..
Puysegur Point AWS	44	10.8	6.1	8.5	+0.5	15.9	11	..	..	144	18	-38	26	2	..
Motueka, Riwaka	8	..	..	..	..	..	..	..	..	..	..	..	..	..	106
Pelorus Sd, Crail Bay	13	12.4	6.1	9.3	+0.3	15.5	21	..	..	347	..	+181	..	..	..
Nelson AWS	4	13.0	3.2	8.1	+0.7	16.1	13	-2.7	8	137	18	..	32	10	..
Blenheim Aero AWS	35	12.7	1.6	7.2	+0.1	17.0	2	-4.7	8	188	14	+108	70	30	..
Brothers Island AWS	68	12.5	8.8	10.7	..	16.9	21	5.3	6	114	24	..	24	30	..
Cape Campbell AWS	2	11.4	7.2	9.3	..	14.6	13	4.0	1	113	18	..	76	30	..
Kaikoura AWS	105	10.9	5.7	8.3	+0.2	22.0	11	2.6	5	208	14	+120	144	30	..
Arthurs Pass	738	5.7	-1.5	2.1	+0.3	10.4	16	-8.5	8	414	18	+100	142	11	..
Craigieburn Forest	914	5.7	-3.0	1.4	-1.1	10.8	16	-7.4	26	326	28	+192	84	11	..
Ashburton Aero AWS	89	10.1	1.4	5.8	..	17.0	11	-4.4	1	161	25	..	48	30	106
Christchurch Aero	37	10.6	2.3	6.5	+0.7	18.3	11	-4.4	1	165	22	+93	52	30	97
Sugar Loaf AWS	618	8.4	3.1	5.8	..	..	..	..	..	..	..	..	..	..	..
Lyttelton Harbour	5	11.3	5.6	8.5	..	..	..	..	..	..	..	..	..	..	..
Le Bons Bay AWS	236	9.7	5.0	7.4	+0.0	..	..	..	..	125	22	..	20	31	..
Woodbury	195	10.8	-0.1	5.4	..	..	..	..	..	..	..	..	..	..	..
Timaru Aero AWS	26	10.4	0.4	5.4	+0.3	..	..	..	..	116	13	+72	42	30	..
Oamaru Airport AWS	30	9.6	1.6	5.6	..	..	..	..	..	107	14	..	42	31	..
Tara Hills AWS	488	6.2	-1.5	2.4	+0.5	11.9	21	-6.2	1	74	17	+33	26	2	..
Wanaka Aero AWS	352	7.7	0.1	3.9	..	13.3	2	-4.2	26	52	15	..	15	2	..
St Bathans, Post Offi	585	8.3	-0.1	4.1	..	..	..	..	..	..	..	..	..	..	..
Oamaru AWS	40	10.1	2.5	6.3	..	14.6	21	-1.7	1	122	20	..	47	31	..
Swampy Summit AWS	722	5.2	0.6	2.9	..	12.6	11	-3.0	5	..	..	..	..	..	..
Dunedin Aero AWS	1	10.2	0.3	5.3	+0.2	18.8	11	-6.1	1	123	17	+74	40	31	..
Murchison Mtns EWS	1140	2.2	-2.2	0.0	..	6.5	11	-8.0	5	171	16	..	41	2	..
Manapouri Aero AWS	209	7.6	0.7	4.2	..	13.1	11	-6.0	26	72	21	..	20	2	..
Queenstown Aero AWS	354	8.4	-1.0	3.7	+0.6	13.1	11	-5.7	10	49	17	-6	19	11	..
Lumsden AWS	187	7.8	-0.4	3.7	-0.3	13.8	11	-4.4	10	65	22	..	10	5	..
Lauder EWS	375	6.9	-1.4	2.8	..	15.1	11	-5.6	1	26	12	..	6	31	..
Alexandra	150	8.6	-2.1	3.3	..	14.0	12	-6.9	10	27	12	..	11	11	68
Gore AWS	123	8.4	1.6	5.0	+0.4	14.8	11	-1.9	1	45	20	-22	9	20	..

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Novolax Arevskaja	99	-13.5	-18.1	-15.8	..	..	..	..	..	..	..	..	..	..
Mawson	16	-12.9	-18.9	-15.9	..	..	..	-27.8	10	..	..	..	..	..
Davis	13	-12.7	-19.7	-16.2	..	-2.0	12	-28.1	26	..	..	..	..	..
Vostok	3420	-62.5	-67.4	-65.0	..	..	..	..	..	..	..	..	..	..
Casey	41	-8.6	-16.0	-12.3	..	-2.3	9	-28.4	4	..	..	..	..	..
Durmont Durville	43	-16.3	-22.1	-19.2	..	..	..	-34.5	29	..	..	..	..	..
Mcmurdo	24	-21.7	-30.9	-26.3	..	-9.4	28	-39.2	24	..	..	..	..	..
Darwin Airport	31	31.2	18.1	24.7	..	33.5	16	12.5	27	0	0	..	0	1	
Hobart Airport	4	11.9	3.3	7.6	..	16.3	7	-0.3	25	34	17	..	10	1	
Late returns and corrections for June 2008															
Dargaville 2 EWS	66	16.4	10.1	13.3	..	20.2	15	4.0	5	124	17	..	22	25	112
North Shore, Auckland	20	17.3	9.0	13.2	..	19.7	13	2.8	5	..	..	..	..	..	..
Lincoln Rd, Auckland	25	13.7	6.0	9.9	..	15.9	22	-2.3	5	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	16.6	9.0	12.8	..	18.4	15	4.8	25	..	..	..	..	..	..
Mangere EWS	5	15.2	9.0	12.1	..	17.3	10	2.4	5	154	19	..	32	16	116
Pakuranga, Auckland R	15	17.3	7.6	12.5	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	17.9	9.5	13.7	..	20.0	13	3.3	5	..	..	..	..	..	..
Turangi 2 EWS	350	12.6	2.7	7.7	..	19.4	16	-5.3	5	181	14	..	49	22	128
Mt Ruapehu, Chateau E	1097	7.9	0.6	4.3	+0.9	14.6	20	-4.1	5	281	20	+35	47	25	..
Waipawa EWS	130	13.8	1.6	7.7	..	18.3	13	-2.7	21	70	13	..	19	16	162
Wairoa, North Clyde E	15	15.2	4.3	9.8	-0.1	..	..	..	..	82	8	-54	31	17	..
Takaka EWS	20	15.0	2.4	8.7	..	20.9	16	-2.2	20	94	10	..	33	21	160
Woodbury	195	12.4	0.0	6.2	..	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for May 2008															
Dargaville 2 EWS	66	17.1	9.9	13.5	..	..	..	..	..	88	20	..	14	4	131
Mangere EWS	5	16.7	8.7	12.7	..	..	..	..	..	124	15	..	65	4	173
Pakuranga, Auckland R	15	18.4	6.4	12.4	..	20.2	5	-1.0	29	..	..	..	..	..	..
Turangi 2 EWS	350	14.3	1.2	7.8	..	17.8	1	-4.5	31	75	7	..	40	4	181
Waipawa EWS	130	14.5	3.7	9.1	..	18.4	14	-1.5	7	127	17	..	25	4	165
Wairoa, North Clyde E	15	15.4	6.2	10.8	-1.2	20.2	1	1.8	19	..	..	..	..	..	..
Takaka EWS	20	16.1	4.9	10.5	..	19.7	10	0.0	30	10	8	..	5	11	174
Late returns and corrections for April 2008															
Dargaville 2 EWS	66	20.9	13.2	17.1	..	24.4	27	7.8	10	112	13	..	45	15	131
Mangere EWS	5	20.7	13.7	17.2	..	23.7	6	7.3	21	103	17	..	28	15	130
Turangi 2 EWS	350	18.2	7.0	12.6	..	22.2	6	-2.1	21	253	15	..	74	15	161
Wairoa, North Clyde E	15	19.7	10.2	15.0	+0.1	24.9	28	5.6	22	..	..	..	..	..	..
Takaka EWS	20	19.5	8.6	14.1	..	22.9	1	2.9	20	288	11	..	132	14	185
Late returns and corrections for March 2008															
Dargaville 2 EWS	66	23.1	15.0	19.1	..	25.7	23	11.4	21	34	10	..	10	25	188
Mangere EWS	5	23.5	16.1	19.8	..	25.3	14	13.1	21	60	6	..	21	6	215
Turangi 2 EWS	350	22.4	9.1	15.8	..	27.4	18	1.0	17	60	7	..	25	31	208
Wairoa, North Clyde E	15	22.5	11.4	17.0	-0.4	28.1	12	8.0	8	18	10	-118	7	14	..
Takaka EWS	20	20.8	10.2	15.5	..	24.6	9	5.4	11	202	10	..	115	1	197
Late returns and corrections for February 2008															
Dargaville 2 EWS	66	23.9	15.5	19.7	..	27.1	4	10.3	8	78	11	..	16	23	184
Mangere EWS	5	23.7	16.5	20.1	..	26.6	4	10.1	7	61	9	..	26	23	191
Turangi 2 EWS	350	23.0	10.7	16.9	..	26.7	1	-0.5	7	39	13	..	10	24	214
Takaka EWS	20	23.0	11.3	17.2	..	27.0	1	7.0	6	109	9	..	30	23	235
Late returns and corrections for January 2008															
Dargaville 2 EWS	66	24.3	16.4	20.4	..	28.0	21	13.1	3	73	6	..	46	8	196
Mangere EWS	5	24.7	17.4	21.1	..	28.2	19	13.4	13	17	5	..	6	8	240
Turangi 2 EWS	350	25.2	10.6	17.9	..	29.4	16	1.4	11	19	6	..	8	21	294
Takaka EWS	20	24.2	12.3	18.3	..	29.2	17	6.6	20	59	6	..	24	22	273
Late returns and corrections for December 2007															
Dargaville 2 EWS	66	21.9	15.0	18.5	..	24.8	18	11.7	23	120	14	..	49	5	134
Mangere EWS	5	21.8	15.5	18.7	..	24.3	31	10.8	1	73	15	..	29	18	175

Summary of the records of Temperature, Rainfall and Sunshine — Late returns

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun—shine Hrs
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	mm		
Takaka EWS	20	20.7	11.3	16.0	..	24.7	6	6.0	8	152	13	..	45	18	185
Late returns and corrections for November 2007															
Dargaville 2 EWS	66	19.2	12.1	15.7	..	..	..	..	..	76	12	..	30	6	..
Mangere EWS	5	19.1	12.2	15.7	..	22.1	21	8.3	10	56	13	..	11	4	184
Turangi 2 EWS	350	19.6	5.6	12.6	..	27.6	25	-0.5	29	53	8	..	36	4	237
Takaka EWS	20	20.0	7.2	13.6	..	27.4	24	3.9	29	19	6	..	10	3	279
Late returns and corrections for October 2007															
Dargaville 2 EWS	66	18.0	11.2	14.6	..	22.1	8	6.6	30	69	14	..	12	2	216
Mangere EWS	5	17.7	11.2	14.5	..	22.2	8	5.7	4	97	17	..	19	27	188
Turangi 2 EWS	350	16.0	5.9	11.0	..	20.8	30	-2.7	4	175	17	..	26	13	185
Takaka EWS	20	16.7	5.4	11.1	..	21.4	30	-0.1	19	323	21	..	68	13	218
Late returns and corrections for September 2007															
Mangere EWS	5	16.9	9.9	13.4	..	19.6	22	4.3	6	72	14	..	17	23	158
Turangi 2 EWS	350	14.8	4.2	9.5	..	18.3	19	-3.4	7	52	12	..	11	4	136
Takaka EWS	20	15.2	4.6	9.9	..	20.0	20	-1.2	8	153	17	..	33	30	179
Late returns and corrections for August 2007															
Mangere EWS	5	15.4	9.4	12.4	..	18.2	11	4.7	21	106	22	..	47	16	159
Turangi 2 EWS	350	12.8	3.6	8.2	..	15.4	31	-2.7	15	158	22	..	43	4	145
Late returns and corrections for July 2007															
Mangere EWS	5	15.0	8.6	11.8	..	17.8	31	1.1	23	188	22	..	35	6	124
Turangi 2 EWS	350	12.2	4.1	8.2	..	15.9	17	-5.1	14	148	19	..	30	29	87
Late returns and corrections for June 2007															
Mangere EWS	5	15.7	8.8	12.3	..	19.1	11	2.5	27	107	20	..	28	29	118
Turangi 2 EWS	350	12.4	2.9	7.7	..	16.0	6	-4.5	19	213	17	..	55	29	119
Late returns and corrections for May 2007															
Mangere EWS	5	18.9	12.0	15.5	..	22.4	1	4.3	29	11	9	..	4	23	157
Turangi 2 EWS	350	16.4	3.9	10.2	..	21.5	1	-3.5	29	42	10	..	17	23	159
Late returns and corrections for April 2007															
Mangere EWS	5	20.0	12.2	16.1	..	23.0	9	7.6	21	59	12	..	22	27	187
Turangi 2 EWS	350	18.0	4.7	11.4	..	21.6	4	-1.0	19	75	8	..	48	30	190
Palmerston	21	15.6	5.2	10.4	-0.3	22.3	10	-1.2	12	21	13	-26	7	3	115
Late returns and corrections for March 2007															
Mangere EWS	5	22.9	16.1	19.5	..	25.8	9	12.5	15	138	11	..	50	29	183
Turangi 2 EWS	350	21.4	9.6	15.5	..	25.8	5	2.7	23	119	13	..	41	12	187
Late returns and corrections for February 2007															
Mangere EWS	5	23.6	15.6	19.6	..	26.9	10	12.1	4	28	7	..	19	10	228
Turangi 2 EWS	350	23.5	9.7	16.6	..	27.8	18	3.4	13	49	7	..	33	9	234
Late returns and corrections for January 2007															
Mangere EWS	5	22.4	16.5	19.5	..	27.0	28	9.3	1	63	10	..	18	28	220
Turangi 2 EWS	350	22.7	11.5	17.1	..	26.8	22	1.0	4	162	18	..	47	9	204

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1971-2000.

No normals are available for stations with only short records.

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

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

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