

DECEMBER 2008

Summary of the records of Temperature, Rainfall and Sunshine December 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		
Kaitaia Aero EWS	80	21.3	13.9	17.6	..	24.3	29	9.4	26	104	9	..	30	4	..
Kaitaia Observatory	85	21.6	13.4	17.5	..	24.6	31	8.6	26	83	11	-12	19	1	184
Kaitaia EWS	85	20.5	12.6	16.6	-1.2	23.4	31	7.6	26	80	11	..	18	1	193
Kerikeri EWS	79	22.0	12.8	17.4	-0.2	25.1	16	8.6	14	100	9	-4	46	23	..
Kaikohe AWS	204	21.2	13.4	17.3	+0.3	25.7	30	9.3	7	117	16	+13	63	23	..
Dargaville 2 EWS	66	21.1	13.1	17.1	..	26.3	20	8.6	7	446	11	..	365	28	188
Purerua AWS	82	20.9	14.0	17.5	..	24.1	16	11.0	14	..	..	..	..	..	..
Whangarei Aero AWS	37	22.4	14.0	18.2	-0.1	27.2	16	9.9	7	139	12	+48	67	23	..
Mokohinau AWS	60	20.7	16.0	18.4	..	23.0	30	13.8	24	117	13	+60	60	23	..
Warkworth EWS	72	21.1	12.6	16.9	..	24.9	16	6.4	7	106	16	-2	48	23	..
Whangaparaoa AWS	89	21.4	14.5	18.0	..	25.4	16	11.5	7	93	15	..	41	23	..
Tiri Tiri Lighthouse	76	20.3	15.5	17.9	+0.2	25.3	16	12.8	24	70	16	+4	33	23	..
Arc Kumeu EWS	16	21.6	12.2	16.9	..	26.1	20	6.8	7	115	12	..	69	23	..
Whenuapai AWS	26	21.9	13.2	17.6	..	26.8	20	6.8	7	..	..	..	..	..	..
North Shore, Auckland	20	22.4	13.5	18.0	..	26.9	31	9.8	7	..	..	..	..	..	..
Henderson, River Pk	7	23.6	13.1	18.4	+0.3	27.2	20	8.6	7	111	15	+19	67	23	..
Henderson, Auckland R	35	20.6	12.9	16.8	..	25.0	20	9.1	7	..	..	..	..	..	..
Khyber Pass, Auckland	81	21.5	15.1	18.3	..	25.6	16	12.5	24	110	14	..	67	23	..
Musick Pt Ews, Auckla	18	21.7	13.6	17.7	..	25.2	31	10.5	24	..	..	..	..	..	..
Onehunga, Auckland Re	5	21.6	14.9	18.3	+0.2	25.7	16	12.5	26	..	..	..	..	..	..
Whitianga Aero AWS	5	22.1	13.2	17.7	+0.3	26.0	3	9.3	7	102	16	-1	24	23	..
Paeroa AWS	18	23.2	13.0	18.1	+0.1	26.5	16	7.3	6	70	14	-27	27	23	..
Toenepi EWS	48	22.5	12.4	17.5	..	26.5	28	6.5	6	93	12	..	39	23	..
Whakamarama 1	392	20.1	11.7	15.9	+0.5	24.0	31	8.8	23	213	16	+28	55	29	206
Matamata, Hinuera EWS	106	22.4	11.0	16.7	..	25.9	3	3.9	6	118	14	..	41	23	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	241
Tauranga Aero AWS	4	23.3	14.5	18.9	+1.3	26.8	16	10.2	6	85	12	-6	30	29	..
Te Puke EWS	91	22.3	12.3	17.3	..	27.1	3	6.6	6	121	14	-11	40	29	..
Whakatane Aero AWS	7	22.6	13.5	18.1	+0.5	25.9	12	7.3	23	88	9	-10	31	29	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	272
White Island	310	20.8	14.6	17.7	..	23.0	3	13.0	12	..	..	..	..	..	..
Kawerau	42	24.7	13.3	19.0	..	29.0	3	9.0	23	..	..	..	..	..	..
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	211
Rotorua Aero AWS	283	21.1	11.8	16.5	+0.4	24.4	31	5.6	6	101	14	-13	26	29	..
Tarapounamu EWS	701	17.3	8.0	12.7	..	21.2	10	4.7	14	225	18	..	88	10	..
Taupo AWS	400	20.9	10.9	15.9	+0.2	25.2	28	2.4	23	95	12	..	20	23	..
Opotiki	5	22.4	13.7	18.1	+1.0	24.2	22	8.4	18	105	11	-6	35	29	..
Motu EWS	488	18.2	8.8	13.5	..	23.2	10	3.4	18	91	18	..	17	15	..
Mangere EWS	5	20.9	13.9	17.4	..	24.2	31	9.9	7	102	12	..	64	23	200
Wiri, Auckland Region	18	21.2	14.3	17.8	+0.2	24.9	16	10.6	7	..	..	..	..	..	..
Pakuranga, Auckland R	15	22.4	..	..	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	23.4	14.6	19.0	..	27.3	31	11.7	26	..	..	..	..	..	..
Auckland Aero	33	22.2	14.5	18.4	+0.3	26.7	16	11.1	26	102	13	+19	58	23	..
Ardmore	23	24.5	11.0	17.8	+0.6	26.5	3	..	..	100	14	+8	56	23	..
Pukekohe EWS	88	21.6	12.0	16.8	-0.2	25.0	28	7.1	13	114	13	..	64	23	..
Whatawhata 2 EWS	118	21.5	11.9	16.7	..	26.0	28	7.8	6	104	15	..	47	23	..
Ruakura 2 EWS	45	21.9	11.8	16.9	..	25.5	28	5.7	6	144	13	..	48	23	197
Hamilton AWS	53	22.2	11.9	17.1	+0.5	25.5	28	5.1	6	120	11	+22	48	23	..
Port Taharoa AWS	27	21.2	14.3	17.8	+0.1	23.7	31	9.9	13	..	..	..	..	..	..
Waikeria	46	22.9	11.9	17.4	+0.5	26.0	28	5.8	6	136	..	+39	70	23	..
Te Kuiti EWS	62	22.7	12.0	17.4	..	26.2	23	5.7	6	126	14	..	51	23	199
Taumarunui	171	21.8	11.9	16.9	+0.2	26.0	28	6.2	6	145	18	+17	47	23	..
Taumarunui AWS	195	22.6	11.3	17.0	..	26.9	28	3.4	6	173	16	..	61	23	189
Turangi 2 EWS	350	21.2	10.3	15.8	..	24.5	31	1.5	23	117	13	..	24	8	210
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	189
New Plymouth AWS	30	20.7	13.1	16.9	+0.9	24.6	29	4.9	6	95	17	-7	20	8	..
Lower Retaruke	219	22.1	11.3	16.7	+0.7	27.2	28	4.9	6	153	15	+24	43	23	..
Mt Ruapehu, Chateau E	1097	15.8	6.6	11.2	+0.7	21.4	28	1.8	12	185	19	-59	29	1	..
Alfredton EWS	240	21.6	11.2	16.4	..	27.5	29	0.5	14	99	18	..	36	17	..
Kopua	311	21.5	11.5	16.5	+1.2	26.0	31	6.4	14	55	13	-32	17	1	..
Takapau Plains AWS	330	20.9	10.5	15.7	..	25.4	28	5.2	23	63	17	..	13	1	..
Dannevirke EWS	207	20.2	10.8	15.5	..	24.2	31	4.0	14	62	13	..	14	1	206
Waione EWS	48	24.9	11.7	18.3	..	30.8	20	1.2	14	32	15	..	9	20	..

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		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		
Castlepoint Station	9	20.8	13.6	17.2	..	26.6	16	7.4	14	49	9	-7	14	24	..
Castlepoint AWS	120	19.9	13.5	16.7	+0.1	25.7	30	9.2	22	54	12	..	19	24	..
Baring Head	79	18.7	13.1	15.9	..	25.3	29	9.2	22	61	11	..	22	15	..
East Taratahi AWS	91	23.3	10.9	17.1	+1.3	29.1	28	3.9	14	67	16	..	18	24	..
Te Wharau, Brackenfie	292	20.3	9.6	15.0	..	27.0	29	2.9	14	80	14	..	25	24	..
Martinborough EWS	20	22.0	11.8	16.9	..	29.9	29	3.4	6	77	12	..	17	20	222
Ngawi AWS	6	21.5	14.1	17.8	..	27.4	30	9.1	14	81	13	..	36	24	..
Hicks Bay AWS	46	20.9	14.6	17.8	+0.7	23.0	2	11.0	8	72	12	..	25	29	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	243
Gisborne AWS	5	24.5	13.7	19.1	+1.2	29.2	4	7.9	8	35	9	-29	14	23	..
Napier Aero AWS	3	23.1	14.0	18.6	+1.1	31.5	4	9.9	4	41	9	-17	14	23	..
Napier Nelson Pk	2	23.9	14.7	19.3	+1.1	31.1	4	10.3	23	42	9	-14	17	23	227
Hastings AWS	16	24.2	13.9	19.1	..	31.5	4	8.8	23	49	11	..	16	12	..
Whakatu EWS	5	23.0	13.0	18.0	..	30.2	4	7.2	23	30	9	..	14	23	..
Waipawa EWS	130	23.0	10.9	17.0	..	29.2	4	4.4	22	46	9	..	15	1	237
Wairoa, North Clyde E	15	24.2	13.1	18.7	+0.9	30.6	4	7.0	23	54	8	-50	20	23	..
Mahia AWS	136	21.0	14.4	17.7	+0.9	25.6	16	10.7	14	53	10	..	32	23	..
Paraparaumu Aero	5	20.7	12.8	16.8	+0.9	22.6	15	..	..	137	17	+52	43	15	216
Paraparaumu Aero AWS	5	20.2	12.9	16.6	+0.7	22.3	31	5.6	23	128	16	..	39	15	..
Palmerston North AWS	39	22.2	11.8	17.0	+0.9	28.1	29	4.8	6	76	15	-9	21	20	..
Palmerston North EWS	21	21.5	12.3	16.9	..	27.5	29	5.5	6	78	13	..	15	20	186
Levin AWS	14	20.8	12.6	16.7	+0.7	24.2	29	5.4	14	110	15	..	26	20	..
Mana Island	2	20.2	14.0	17.1	+1.0	23.0	28	6.1	22	107	..	..	37	20	..
Mana Island AWS	100	17.2	12.6	14.9	..	21.0	23	7.6	22	108	16	..	36	20	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	238
Wellington, Kelburn A	125	19.4	12.7	16.1	..	24.1	29	6.7	22	132	17	..	41	20	..
Wellington Aero	4	20.4	13.8	17.1	+0.7	26.6	29	7.9	14	104	12	+36	37	20	..
Wallaceville EWS	56	21.2	11.3	16.3	..	27.3	29	1.7	22	104	16	+2	37	20	185
Stratford EWS	300	18.8	10.7	14.8	..	23.4	28	3.7	6	140	18	..	27	20	192
Hawera AWS	98	19.5	11.6	15.6	..	23.1	3	6.5	7	73	16	..	25	24	..
Ohakune EWS	607	20.4	9.2	14.8	..	28.8	3	2.5	23	129	18	..	27	24	248
Waiouru	806	18.6	8.3	13.5	+1.1	23.8	4	1.6	23	97	18	+9	18	24	..
Waiouru AWS	820	18.4	8.1	13.3	..	23.1	4	2.2	22	96	19	-5	21	1	..
Taihape Rec	433	22.1	..	..	..	26.0	28	..	..	65	..	-16	14	8	..
Wanganui,Spriggens Pa	15	21.9	13.2	17.6	+0.9	26.8	31	7.9	22	106	14	+36	23	1	..
Wanganui AWS	8	21.2	12.8	17.0	+0.5	25.8	16	7.3	14	89	14	..	19	1	..
Wanganui 2 AWS	18	22.3	12.8	17.6	..	27.0	23	7.0	22	..	..	..	..	..	..
Takaka,Kotinga 2	25	21.4	11.2	16.3	+0.7	28.5	30	7.1	2	290	17	+155	102	8	..
Takaka EWS	20	21.5	11.2	16.4	..	28.8	30	7.5	28	277	14	..	98	8	233
Farewell Spit AWS	3	19.8	13.4	16.6	+0.5	22.9	30	9.0	6	117	15	..	36	8	..
Westport Aero AWS	4	18.4	12.1	15.3	+0.4	21.5	29	6.2	6	81	12	-124	15	31	..
Arapito	18	19.6	11.6	15.6	+0.4	23.8	31	6.0	6	184	19	-38	31	1	169
Arapito EWS	18	19.2	11.0	15.1	..	23.3	31	5.6	6	170	20	..	30	1	..
Murchison EWS	185	23.0	9.6	16.3	..	32.0	29	0.9	6	116	18	-16	28	19	..
Lake Rotoiti EWS	634	19.8	7.7	13.8	..	27.1	29	-1.1	6	119	22	..	18	8	..
Hokitika Aero	39	17.6	11.2	14.4	+0.1	20.0	29	5.6	6	391	21	+113	71	19	173
Hokitika AWS	38	17.6	10.9	14.3	-0.1	20.1	29	5.2	6	400	20	..	74	19	..
Reefton EWS	198	21.2	10.5	15.9	+0.7	29.0	29	5.3	6	180	16	-3	84	19	189
Greymouth Aero	4	18.4	11.3	14.9	+0.2	21.8	31	5.6	6	268	19	+27	94	19	166
Greymouth Aero EWS	5	17.9	11.3	14.6	..	21.0	15	5.8	6	242	19	..	80	19	212
Okarito	2	18.0	10.8	14.4	..	21.1	30	4.8	6	391	18	+16	87	8	..
Franz Josef	155	17.7	9.5	13.6	-0.1	22.1	24	..	..	625	20	+58	112	19	..
Franz Josef EWS	80	17.2	9.4	13.3	..	21.9	24	4.1	6	513	19	..	100	19	120
Haast AWS	5	17.1	10.2	13.7	+0.4	20.1	30	5.1	5	367	20	..	53	19	..
Milford Sound	3	17.3	9.5	13.4	+0.0	20.5	21	4.5	5	592	22	-64	119	31	..
Milford Sound AWS	3	17.9	9.6	13.8	..	22.9	21	5.0	5	479	22	..	88	31	..
Secretary Island AWS	19	16.8	10.3	13.6	..	20.6	24	7.1	13	332	21	..	68	31	..
Puysegur Point AWS	44	15.0	10.0	12.5	+0.0	20.3	29	4.9	13	158	22	-36	47	3	..
Motueka, Riwaka EWS	8	21.9	11.4	16.7	+0.5	25.4	31	5.0	6	119	12	+20	40	8	..
Pelorus Sd, Crail Bay	13	20.7	13.4	17.1	+0.8	25.8	30	9.5	..	207	..	+65	75	15	..
Nelson Aero	2	20.6	12.3	16.5	+0.3	23.8	18	6.8	23	122	13	+46	42	20	220
Appleby 2 EWS	18	21.4	10.7	16.1	..	24.0	23	5.1	23	84	11	..	22	20	227
Nelson AWS	4	21.3	12.5	16.9	+0.5	107	12	..	38	20	..

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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		
Blenheim Research EWS	4	21.9	11.5	16.7	+0.1	29.8	30	6.7	22	76	12	+25	24	15	233
Blenheim Aero AWS	35	22.2	10.6	16.4	+0.1	29.8	30	4.5	23	127	12	+71	56	15	..
Brothers Island AWS	68	17.8	13.6	15.7	..	20.9	5	10.3	21	87	14	..	27	20	..
Awatere Valley, Dashw	83	21.6	10.9	16.3	..	29.6	30	2.8	14	54	10	..	17	20	..
Cape Campbell AWS	2	17.3	13.0	15.2	..	23.0	2	9.5	22	43	10	..	10	20	..
Boyle River Lodge	600	21.3	8.5	14.9	..	30.6	29	..	..	178	20	..	48	19	..
Hanmer Forest EWS	363	22.2	6.8	14.5	+0.1	31.2	29	-1.7	6	46	12	-32	23	20	..
Kaikoura AWS	105	19.1	12.1	15.6	+0.3	27.6	4	7.4	22	26	9	-30	14	20	..
Arthurs Pass	738	16.5	7.4	12.0	+0.8	..	..	2.0	21	704	19	+256	163	19	..
Arthurs Pass EWS	738	15.9	7.1	11.5	..	25.1	29	1.7	21	669	19	..	154	19	..
Culverden	178	23.6	9.3	16.5	..	..	..	..	..	41	9	-9	27	20	..
Waiau School Cws	136	23.2	9.9	16.6	..	31.5	30	3.0	6	25	11	..	13	20	..
Cheviot EWS	75	21.7	8.3	15.0	..	32.0	30	0.0	22	17	9	..	6	20	241
Mt Cook EWS	765	17.0	7.5	12.3	-0.5	25.8	29	0.5	21	648	20	+179	160	3	159
Snowdon EWS	560	19.3	8.4	13.9	..	29.0	29	1.5	22	140	16	..	40	19	..
Winchmore EWS	160	20.4	9.7	15.1	+0.3	29.2	28	3.8	22	104	16	+44	33	20	..
Peel Forest	286	19.3	7.8	13.6	-0.3	28.2	28	2.2	22	132	16	+16	39	16	..
Ashburton Council	101	21.6	10.1	15.9	+0.2	30.9	28	3.6	22	107	14	+52	37	20	..
Ashburton Aero AWS	89	20.4	9.7	15.1	..	29.5	28	2.9	22	102	14	..	41	20	225
Waipara West EWS	130	22.1	10.4	16.3	..	30.5	30	4.1	14	36	13	..	16	19	259
Rangiora EWS	23	20.2	10.6	15.4	+0.0	28.4	31	3.1	22	57	13	..	19	20	209
Darfield EWS	190	20.9	10.1	15.5	..	31.0	30	3.3	22	75	16	..	22	20	..
Christchurch Aero	37	20.8	10.9	15.9	+0.1	30.5	31	3.4	22	45	13	-2	17	20	231
Christchurch Gardens	7	21.0	11.7	16.4	+0.4	29.5	31	4.0	25	53	13	+4	29	20	..
Christchurch, Kyle St	6	20.7	10.7	15.7	..	30.5	31	3.4	22	51	10	..	29	20	..
Lincoln, Broadfield E	18	19.8	10.7	15.3	+0.0	28.4	31	3.3	22	77	11	..	43	20	..
Sugar Loaf AWS	618	17.1	9.3	13.2	..	27.2	30	3.6	21	..	..	..	..	..	..
Lyttelton Harbour	5	19.6	13.5	16.6	..	26.0	4	8.0	21	..	..	..	..	..	..
Le Bons Bay AWS	236	16.9	10.8	13.9	+0.2	23.6	30	6.4	22	52	13	..	12	20	..
Lake Tekapo, Air Safa	762	18.4	6.8	12.6	-0.8	27.1	29	2.3	6	104	16	+56	22	19	..
Lake Tekapo EWS	762	18.3	6.5	12.4	..	26.8	29	1.1	6	98	14	..	25	19	228
Fairlie	300	20.6	8.4	14.5	+0.4	..	..	..	..	..	..	..	..	..	..
Hakataramea Valley Cw	355	19.6	8.1	13.9	..	28.4	29	3.2	7	87	10	..	24	20	..
Woodbury	195	19.8	8.9	14.4	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	19.7	10.0	14.9	+0.1	29.4	28	4.8	22	81	17	+16	24	16	..
Orari Estate Cws	81	18.9	10.1	14.5	..	28.5	28	5.0	22	81	17	..	23	16	..
Timaru Aero AWS	26	19.4	9.8	14.6	+0.3	31.3	31	3.6	22	65	11	+18	15	20	..
Timaru EWS	17	18.3	10.9	14.6	..	29.6	31	5.4	22	..	..	..	..	..	..
Oamaru Airport AWS	30	17.7	9.9	13.8	..	26.5	28	4.9	22	64	12	..	23	11	..
Albert Burn	1280	11.8	3.3	7.6	..	20.4	24	-1.2	6	344	25	..	49	31	..
Tara Hills AWS	488	19.7	8.1	13.9	-0.5	28.3	29	2.9	6	143	12	+89	27	4	..
Wanaka Aero AWS	352	19.9	9.0	14.5	..	27.0	29	4.0	5	123	12	..	24	19	..
Naseby Forest 2	607	18.8	6.2	12.5	-0.1	27.8	29	1.5	6	104	8	+28	28	16	..
Windsor EWS	81	19.1	10.8	15.0	..	26.9	29	5.7	3	82	13	..	22	20	..
Ranfurly EWS	450	19.1	6.7	12.9	..	27.9	29	0.8	6	72	10	..	17	20	..
Oamaru AWS	40	17.9	9.8	13.9	..	28.1	28	4.7	22	82	17	..	22	20	..
Palmerston	21	18.7	9.2	14.0	+0.3	29.1	28	3.0	6	83	17	+19	22	4	153
Middlemarch EWS	213	19.8	8.1	14.0	..	30.4	29	1.5	6	64	12	..	13	4	161
Swampy Summit AWS	722	13.6	5.7	9.7	..	24.8	28	0.9	13	..	..	..	..	..	..
Dunedin Aero AWS	1	19.8	8.6	14.2	+0.4	30.6	28	3.6	13	61	11	-13	24	8	..
Dunedin, Musselburgh	4	17.0	10.3	13.7	-0.2	27.3	28	5.5	13	64	14	-17	24	8	171
Murchison Mtns EWS	1140	10.3	2.5	6.4	..	16.2	24	-2.6	13	293	22	..	71	31	..
Manapouri, West Arm J	178	17.3	7.9	12.6	..	24.3	24	3.3	22	247	18	..	64	31	..
Manapouri Aero AWS	209	18.6	7.8	13.2	..	25.6	29	1.2	5	92	14	..	27	31	..
Queenstown	329	20.9	9.3	15.1	+0.0	28.8	23	3.8	13	101	16	+24	20	31	206
Queenstown Aero AWS	354	19.6	7.9	13.8	-0.3	26.4	29	2.0	13	90	12	+28	21	8	..
Lumsden AWS	187	19.0	7.1	13.1	-0.2	26.5	29	2.0	7	77	15	..	25	8	..
Cromwell EWS	213	22.5	10.0	16.3	..	30.3	29	3.3	5	72	12	..	16	20	233
Lauder EWS	375	19.9	8.3	14.1	..	27.4	29	3.8	5	105	11	..	24	20	..
Ophir 2	305	20.6	7.9	14.3	..	27.7	29	1.4	5	99	10	..	35	8	..
Alexandra	150	22.8	9.3	16.1	..	31.7	29	3.0	5	77	10	..	24	20	210
Clyde EWS	171	21.3	8.9	15.1	-0.5	29.7	29	3.4	5	76	11	..	25	20	..
Ettrick No.2	91	20.9	8.5	14.7	+0.2	31.0	29	1.0	5	79	9	..	26	8	..

Summary of the records of Temperature, Rainfall and Sunshine December 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		
Gore AWS	123	17.9	8.3	13.1	-0.1	27.9	29	3.0	13	54	16	-41	20	8	..
Invercargill Aero		17.4	8.6	13.0	+0.0	27.1	29	1.7	13	71	19	-29	17	7	185
Invercargill Aero AWS	1	17.3	8.6	13.0	..	26.8	29	1.7	13	70	18	..	16	7	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	68	18	..	14	7	179
Tiwai Point EWS	5	16.2	9.3	12.8	-0.6	26.4	29	5.1	5	68	17	-21	16	7	..
Balclutha, Telford Ew	11	18.1	7.8	13.0	..	28.0	29	0.8	13	40	15	..	17	8	226
Nugget Point AWS	129	16.8	9.3	13.1	+0.4	27.5	28	5.6	13	49	14	..	18	8	..
Tautuku	25	17.8	8.5	13.2	+0.4	29.0	29	2.5	13	62	10	-60	20	8	..
South West Cape AWS	101	15.4	9.0	12.2	..	21.2	7	5.8	13	82	19	..	21	3	..
Nauru Upper Air	6	31.1	..	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	31.9	24.0	28.0	..	..	..	22.6	12	240	24	..	42	29	..
Vanuatu,Pekoa	56	31.2	23.4	27.3	..	..	..	20.2	15	237	13	..	50	26	..
Vanuatu,Lamap	22	32.0	24.4	28.2	..	..	..	22.2	1	112	11	..	49	16	..
Vanuatu, Bauerfield	20	33.2	21.5	27.4	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	30.2	22.4	26.3	..	..	..	..	..	252	12	..	92	25	..
Vanuatu,Aneityum	6	29.9	21.6	25.8	..	..	..	..	..	296	20	..	105	21	..
New Cal, Koumac	18	30.3	22.3	26.3	..	33.7	31	20.0	24	136	8	..	83	19	..
New Cal, Ouanaham	29	29.9	21.4	25.7	..	32.0	28	17.0	7	79	20	..	38	18	..
New Cal, Poinoimie	13	30.0	20.7	25.4	..	..	..	..	..	93	17	..	24	9	..
New Cal, La Roche	42	29.8	19.7	24.8	..	..	..	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	32.3	20.7	26.5	..	36.8	19	..	..	..	..	..	..	..	..
New Cal, Nouma	72	29.8	23.3	26.6	..	33.0	19	20.3	22	..	..	..	..	..	..
New Cal, Moue	97	29.0	21.6	25.3	..	32.0	2	19.3	7	82	22	..	33	18	..
Kiribati,Tarawa	2	31.1	26.4	28.8	..	32.1	11	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	30.5	25.9	28.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	30.9	25.7	28.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.3	25.6	28.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	30.9	24.9	27.9	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	31.6	25.1	28.4	..	32.7	26	22.8	11	..	..	..	..	..	..
Fiji, Nambowalu	36	30.9	24.1	27.5	..	..	..	22.6	22	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.1	22.8	27.0	..	33.4	10	20.2	3	..	..	..	..	..	..
Fiji, Nadi EWS	15	31.2	23.2	27.2	..	33.2	10	20.8	1	260	17	..	52	11	..
Fiji,Nausori Aero	6	30.6	22.9	26.8	..	..	..	20.7	3	..	..	..	..	..	..
Fiji, Vunisea	33	30.4	23.8	27.1	..	32.1	29	20.3	1	..	..	..	..	..	..
Kiribati, Kanton Isl	2	..	24.7	..	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	31.0	24.9	28.0	..	32.0	27	..	..	..	..	..	..	..	..
Maopopo, Futuna Isla	36	31.3	24.9	28.1	..	33.2	15	23.0	29	231	22	..	42	27	..
Samoa,Faleolo	4	30.5	23.8	27.2	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.9	24.2	27.1	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	31.9	26.5	29.2	..	..	..	..	..	471	23	..	132	7	..
Tonga,Keppel	2	31.3	23.8	27.6	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.6	21.5	25.6	..	30.8	31	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	30.3	24.8	27.6	..	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.7	22.2	26.0	..	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport	59	29.7	24.9	27.3	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.7	23.4	26.1	..	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	28.7	23.2	26.0	..	30.6	14	19.6	12	375	22	..	125	2	..
Hiva Hoa, Atuona	51	31.4	22.7	27.1	..	33.7	18	21.5	1	57	15	..	25	23	..
Tahiti - Faaa	1	30.9	24.6	27.8	..	..	..	23.0	1	101	17	..	28	17	..
Tuamotu, Takaroa	2	30.5	25.6	28.1	..	31.3	15	22.0	1	104	13	..	62	11	..
Tuamotu, Hao	3	29.0	25.2	27.1	..	30.5	30	23.2	5	..	..	..	..	..	..
Tuamotu, Hereheretue	3	29.2	23.7	26.5	..	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	26.9	21.8	24.4	..	29.3	30	19.8	2	213	21	..	45	19	..
Tubuai	2	27.4	22.2	24.8	..	29.1	17	..	..	..	..	..	..	..	..
Rapa	1	24.9	20.3	22.6	..	27.0	22	16.4	1	111	21	..	42	17	..
Raoul Island AWS	49	25.5	19.4	22.5	..	28.4	30	15.7	16	142	16	..	78	24	..
Enderby Is AWS	40	11.7	6.7	9.2	..	13.5	30	3.9	25	81	22	..	12	31	..
Campbell Island AWS	19	11.1	5.8	8.5	-0.3	14.5	15	-1.4	26	95	26	-13	11	16	..
Chatham Islands AWS	48	17.8	11.5	14.7	+1.1	22.3	31	5.7	6	74	13	+20	16	16	..
Chatham Island EWS	14	19.5	12.0	15.8	..	23.2	12	4.6	19	56	11	..	17	16	..
Georg Von Neumayer	40	-2.9	-10.7	-6.8	..	0.1	24	-18.9	21	..	..	..	..	..	..
Ant South Pole	2800	-25.4	-28.4	-26.9	..	-17.8	30	-36.8	2	..	..	..	..	..	..
Halley Bay	30	-4.8	-11.1	-8.0	..	-0.8	30	-17.9	2	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine December 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		
Gen Belgrano 2	32	-1.6	-8.7	-5.2	..	4.8	28	-15.7	11	..	..	..	..	..
Base Jubany	4	3.6	0.2	1.9	..	5.2	16	-2.0	8	..	..	..	..	..
Dinamet	10	2.9	0.2	1.6	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	3.7	..	..	..	8.8	20	..	..	..	..	..	..	..
Eduardo Frei	10	2.0	-0.3	0.9	..	3.7	18	-2.9	8	23	13	..	6	15	
Arturo Prat		2.9	0.0	1.5	..	4.8	30	-2.3	8	..	..	..	..	..
Bernado Ohiggins	10	1.4	-0.6	0.4	..	3.0	19	-4.0	9	..	..	..	..	..
Rothera Point	16	1.8	-1.9	-0.1	..	..	..	..	..	..	..	..	..	..
Argentine Is, Faraday	11	0.9	-1.6	-0.4	..	3.1	27	-5.6	8	..	..	..	..	..
Gen San Martin	4	2.2	..	..	..	7.5	19	..	..	..	..	..	..	..
King Sejong	11	3.0	0.3	1.7	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	1.0	-3.2	-1.1	..	3.1	22	-6.1	8	..	..	..	..	..
Mawson	16	2.2	-3.9	-0.9	..	..	..	..	..	..	..	..	..	..
Davis	13	3.1	-1.8	0.7	..	7.7	25	-6.6	11	..	..	..	..	..
Vostok	3420	-26.1	-36.6	-31.4	..	-21.3	22	-42.6	2	..	..	..	..	..
Casey	41	1.1	-4.4	-1.7	..	..	..	-10.5	1	..	..	..	..	..
Durmout Durville	43	1.2	-4.0	-1.4	..	5.3	18	-8.6	13	..	..	..	..	..
Mcmurdo	24	0.0	-4.5	-2.3	..	4.3	25	-11.0	16	..	..	..	..	..
Ant Scott Base	16	-0.9	-8.0	-4.5	..	3.8	25	-15.1	4	..	..	..	..	..
Ant Arrival Heights E	185	-1.4	-7.2	-4.3	..	3.0	25	-13.6	16	..	..	..	..	..
Ant Scott Base EWS	16	-1.2	-8.0	-4.6	..	3.4	25	-15.1	4	..	..	..	..	..
Darwin Airport	31	32.3	25.5	28.9	..	..	..	..	..	335	27	..	51	19	
Hobart Airport	4	20.2	10.0	15.1	..	..	..	..	..	26	13	..	5	18	
Late returns and corrections for November 2008															
Tiri Tiri Lighthouse	76	18.6	13.6	16.1	+0.3	23.8	23	10.5	1	52	13	-14	14	24	..
Whakamarama 1	392	18.1	9.8	14.0	+0.6	24.5	29	5.0	8	103	11	-142	38	24	209
Tarapounamu EWS	701	15.3	5.7	10.5	..	21.8	12	-0.3	8	90	12	..	23	24	..
Taumarunui	171	20.4	8.8	14.6	-0.1	27.1	30	1.3	8	100	16	-28	21	24	..
Whakatu EWS	5	20.6	8.9	14.8	..	28.7	25	2.1	8	16	4	..	9	27	..
Wairoa, North Clyde E	15	21.8	9.3	15.6	-0.2	28.5	25	3.4	8	11	5	-68	6	1	..
Waiouru	806	16.9	5.4	11.2	+0.9	23.1	30	-2.1	8	42	12	-40	13	24	..
Blackball	35	17.9	7.2	12.6	..	24.4	30	0.1	8	471	14	..	102	24	..
Milford Sound	3	15.8	7.2	11.5	-0.2	22.0	23	0.9	6	562	18	+41	132	24	..
Culverden	178	23.1	7.6	15.4	..	..	..	..	..	8	4	-44	3	7	..
Mt Cook EWS	765	17.0	5.4	11.2	+0.4	25.0	14	-1.6	8	506	14	+124	160	24	192
Waipara West EWS	130	21.5	8.6	15.1	..	30.5	15	1.1	7	5	7	..	2	6	269
Darfield	195	21.9	7.8	14.9	+1.5	32.1	15	0.4	6	16	6	-43	5	4	..
Ophir 2	305	20.5	3.7	12.1	..	28.7	14	-5.7	8	7	5	..	4	25	..
Balclutha, Finegand	6	18.5	6.6	12.6	+0.6	28.5	15	0.5	10	53	..	+3	16	4	192
Vanuatu, Lamap	22	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Burtonfield	70	..	20.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Aneityum	6	28.9	20.4	24.7	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi EWS	15	30.7	22.1	26.4	..	33.9	6	19.9	30	196	13	..	69	28	..
Pitcairn Is	264	23.7	17.6	20.7	..	24.9	17	15.9	5	132	..	..	73	4	218
Ant Scott Base	16	-9.2	-18.7	-14.0	..	-2.3	30	-26.7	1	..	..	..	..	..	..
Late returns and corrections for October 2008															
Tarapounamu EWS	701	11.6	3.3	7.5	..	15.0	13	-1.8	27	170	13	..	40	5	..
Masterton, Te Ore Ore	110	18.7	6.2	12.5	..	..	..	..	..	77	17	..	20	22	..
Mt Cook EWS	765	14.2	3.5	8.9	+0.1	21.1	27	-1.4	26	306	18	-150	58	3	187
Fiji, Nadi EWS	15	30.1	21.9	26.0	..	32.1	19	14.7	4	65	12	..	35	18	..
Ant Scott Base	16	-14.7	-24.5	-19.6	..	-8.2	24	-34.9	14	..	..	..	..	..	..
Late returns and corrections for September 2008															
Tarapounamu EWS	701	10.8	2.8	6.8	..	17.6	16	-0.4	29	105	19	..	35	8	..
Masterton, Te Ore Ore	110	16.5	4.2	10.4	..	22.5	23	-3.9	7	93	12	..	32	8	..
Mt Cook EWS	765	12.3	3.1	7.7	+1.1	18.5	26	-3.3	28	634	18	+318	236	23	118
Fiji, Nadi EWS	15	29.6	20.7	25.2	..	31.8	3	16.4	16	53	6	..	30	14	..
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	122
Late returns and corrections for August 2008															
Tarapounamu EWS	701	6.3	0.4	3.4	..	11.1	25	-5.1	10	283	21	..	56	24	..

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		
Mt Cook EWS	765	7.4	-1.6	2.9	-0.8	14.7	31	-7.6	20	109	19	-187	22	22	107
Fiji, Nadi EWS	15	29.6	20.5	25.1	..	32.2	16	17.8	12	3	3	..	1	20	..
Late returns and corrections for July 2008															
Tarapounamu EWS	701	6.5	1.1	3.8	..	9.7	19	-4.4	7	312	22	..	80	30	..
Mt Cook EWS	765	5.7	-1.6	2.1	-0.1	12.4	2	-6.6	26	372	22	+93	115	11	41
Fiji, Nadi EWS	15	28.6	18.5	23.6	..	31.2	30	0.0	2	68	2	..	36	27	..
Late returns and corrections for June 2008															
Tarapounamu EWS	701	7.0	1.6	4.3	..	11.8	15	-2.6	9	200	17	..	56	22	..
Mt Cook EWS	765	9.6	0.1	4.9	+1.8	19.0	15	-5.5	19	323	17	+29	94	13	71
Late returns and corrections for May 2008															
Tarapounamu EWS	701	8.5	2.7	5.6	..	13.0	11	-1.7	4	77	13	..	38	4	..
Mt Cook EWS	765	9.3	-0.2	4.6	-1.6	16.6	18	-4.5	28	74	13	-294	20	22	99
Late returns and corrections for April 2008															
Tarapounamu EWS	701	13.0	6.7	9.9	..	17.3	6	1.1	20	254	12	..	86	15	..
Mt Cook EWS	765	15.1	3.7	9.4	+0.0	20.0	28	-1.8	20	194	12	-169	57	27	155
Late returns and corrections for March 2008															
Tarapounamu EWS	701	17.2	8.6	12.9	..	22.5	20	5.5	6	132	9	..	51	4	..
Mt Cook EWS	765	19.4	8.0	13.7	+1.2	29.9	18	3.1	5	171	10	-244	76	1	163
Late returns and corrections for February 2008															
Tarapounamu EWS	701	18.1	9.3	13.7	..	23.2	4	5.6	6	26	11	..	7	15	..
Late returns and corrections for January 2008															
Tarapounamu EWS	701	19.9	9.8	14.9	..	27.5	17	4.3	11	53	8	..	31	21	..
Motu EWS	488	18.2	8.6	13.4	..	25.2	17	0.4	12	96	9	..	39	21	..
Late returns and corrections for December 2007															
Tarapounamu EWS	701	16.3	8.3	12.3	..	22.0	30	2.9	27	102	21	..	27	19	..
Late returns and corrections for November 2007															
Tarapounamu EWS	701	18.1	7.9	13.0	..	24.5	25	1.9	29	49	12	..	28	4	..

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.