

NOVEMBER 2008

Summary of the records of Temperature, Rainfall and Sunshine November 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	18.4	13.2	15.8	..	21.2	11	10.7	1	91	19	+29	28	24	..
Kaitaia Aero EWS	80	20.2	12.6	16.4	..	23.7	29	6.4	1	155	12	..	58	28	..
Kaitaia Observatory	85	20.2	12.5	16.4	..	24.2	14	5.9	1	143	13	+42	45	24	196
Kaitaia EWS	85	19.1	11.7	15.4	-0.5	23.5	14	5.1	1	134	11	..	42	24	200
Kerikeri EWS	79	20.5	11.7	16.1	+0.2	24.4	26	4.0	19	..	..	..	..	..	..
Kaikohe AWS	204	19.2	12.1	15.7	+0.7	24.5	14	7.3	1	140	19	+36	51	24	..
Dargaville 2 EWS	66	19.8	12.5	16.2	..	26.0	30	7.4	1	64	15	..	20	4	169
Purerua AWS	82	19.1	12.6	15.9	..	..	..	..	..	..	..	..	..	..	..
Whangarei Aero AWS	37	20.3	13.0	16.7	+0.3	25.8	25	6.4	1	62	15	-27	23	24	..
Mokohinau AWS	60	18.5	14.5	16.5	..	..	..	..	..	..	..	..	..	..	..
Warkworth EWS	72	19.3	11.8	15.6	..	23.8	29	4.4	21	84	12	-13	23	24	..
Whangaparaoa AWS	89	19.5	13.0	16.3	..	24.4	29	9.3	6	56	11	..	20	24	..
Tiri Tiri Lighthouse	76	18.6	13.6	16.1	+0.3	23.8	23	10.5	1	52	13	-14	14	24	..
Arc Kumeu EWS	16	20.0	11.5	15.8	..	24.8	30	3.6	21	50	9	..	15	4	..
Whenuapai AWS	26	19.8	11.9	15.9	..	..	..	..	..	..	..	..	..	..	..
North Shore, Auckland	20	20.4	12.1	16.3	..	24.2	29	5.7	21	..	..	..	..	..	..
Henderson, River Pk	7	22.0	11.9	17.0	+0.8	27.4	30	4.7	21	65	10	-43	18	24	..
Henderson, Auckland R	35	18.7	11.9	15.3	..	24.0	30	5.5	21	..	..	..	..	..	..
Khyber Pass, Auckland	81	19.7	13.7	16.7	..	..	..	..	..	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	19.6	12.0	15.8	..	24.5	25	8.4	8	..	..	..	..	..	..
Onehunga, Auckland Re	5	19.8	13.6	16.7	+0.5	25.2	30	8.7	8	..	..	..	..	..	..
Waiheke Island, Awaro	34	19.9	11.3	15.6	..	24.0	29	4.2	21	66	10	-32	23	24	..
Whitianga Aero AWS	5	19.8	11.5	15.7	-0.1	24.5	25	5.4	21	81	15	-36	35	24	..
Thames 2	3	21.0	11.8	16.4	+0.1	25.5	24	5.5	8	48	10	-29	15	4	..
Paeroa AWS	18	20.8	11.3	16.1	+0.1	26.5	30	3.4	8	50	9	-39	16	4	..
Toenepi EWS	48	20.5	10.4	15.5	..	26.3	30	4.3	21	33	9	..	9	4	..
Matamata, Hinuera EWS	106	20.1	9.0	14.6	..	26.7	29	1.7	8	38	7	..	13	4	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	249
Tauranga Aero AWS	4	20.5	12.4	16.5	+0.9	26.4	25	6.1	8	39	9	-45	13	24	..
Te Puke EWS	91	19.8	10.1	15.0	..	24.8	25	4.9	6	71	7	-45	43	24	..
Whakatane Aero AWS	7	19.9	10.4	15.2	-0.4	25.0	28	3.3	8	36	7	-52	24	24	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	269
White Island	310	18.5	12.6	15.6	..	..	..	..	..	..	..	..	..	..	..
Kawerau	42	22.4	10.6	16.5	..	..	..	..	..	..	..	..	..	..	..
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	235
Rotorua Aero AWS	283	19.1	9.3	14.2	+0.2	24.3	30	1.3	8	42	8	-61	22	24	..
Tarapounamu EWS	701	15.3	5.7	10.5	..	21.8	12	-0.3	8	90	12	..	23	24	..
Taupo AWS	400	19.1	7.8	13.5	+0.1	25.9	14	-1.7	8	34	10	..	10	14	..
Opotiki	5	20.0	10.7	15.4	+0.1	25.9	14	4.4	1	58	10	-40	30	24	..
Motu EWS	488	15.4	5.7	10.6	..	23.0	13	-1.5	9	114	12	..	49	24	..
Mangere EWS	5	19.1	12.5	15.8	..	24.3	30	6.4	8	45	9	..	19	24	206
Wiri, Auckland Region	18	19.4	12.9	16.2	+0.5	25.1	30	6.9	21	..	..	..	..	..	..
Pakuranga, Auckland R	15	21.6	11.7	16.7	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	21.7	13.3	17.5	..	26.5	30	7.9	21	..	..	..	..	..	..
Auckland Aero	33	19.8	12.9	16.4	+0.2	25.6	30	7.9	21	46	9	-33	18	24	..
Ardmore	23	21.7	..	..	..	25.8	16	..	..	67	13	-26	19	24	..
Pukekohe EWS	88	19.7	10.7	15.2	+0.0	25.8	30	5.4	21	58	10	..	18	24	..
Whatawhata 2 EWS	118	19.9	9.7	14.8	..	26.8	30	2.0	8	75	10	..	23	1	..
Ruakura 2 EWS	45	20.2	9.6	14.9	..	26.3	30	2.9	8	37	8	..	12	24	188
Hamilton AWS	53	20.4	9.5	15.0	+0.3	26.6	30	2.5	8	40	10	-56	11	24	..
Port Taharoa AWS	27	19.6	12.2	15.9	+0.2	25.7	23	6.8	8	41	6	..	16	1	..
Waikeria	46	20.7	9.8	15.3	+0.4	27.1	30	1.6	8	43	7	-51	14	24	..
Te Kuiti EWS	62	21.1	9.6	15.4	..	27.6	30	2.2	8	106	13	..	26	24	214
Taumarunui AWS	195	21.3	8.5	14.9	..	28.3	30	-0.3	8	90	13	..	20	24	225
Turangi 2 EWS	350	19.3	7.7	13.5	..	26.2	30	-2.1	8	88	13	..	24	1	219
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	235
New Plymouth AWS	30	18.8	10.4	14.6	+0.3	22.6	28	3.6	19	105	15	-7	29	24	..
Lower Retaruke	219	20.6	8.6	14.6	+0.6	27.5	14	-0.2	8	99	13	-37	23	24	..
Mt Ruapehu, Chateau E	1097	14.2	4.0	9.1	+0.7	22.2	30	-3.2	8	192	17	-55	58	24	..
Alfredton EWS	240	19.5	9.1	14.3	..	27.2	24	-0.9	9	63	14	..	18	24	..
Kopua	311	19.4	8.6	14.0	+0.8	27.0	23	-0.4	8	36	8	-42	7	26	..
Takapau Plains AWS	330	19.0	7.6	13.3	..	26.8	23	-0.8	8	46	14	..	12	26	..
Dannevirke	207	20.0	8.7	14.4	+0.8	29.5	24	-4.5	8	41	9	-48	12	1	234

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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	mm		
Dannevirke EWS	207	18.4	7.7	13.1	..	28.0	24	-1.5	8	39	9	..	11	1	223
Waione EWS	48	22.9	8.7	15.8	..	33.3	24	-0.5	8	31	14	..	7	27	..
Castlepoint Station	9	19.5	11.2	15.4	..	26.5	22	4.2	8	32	6	-34	9	1	..
Castlepoint AWS	120	18.1	11.0	14.6	+0.0	25.8	24	4.1	8	33	9	..	9	1	..
East Taratahi AWS	91	21.3	8.9	15.1	+1.5	28.3	24	0.6	8	17	10	..	6	1	..
Te Wharau, Brackenfie	292	18.6	7.8	13.2	..	25.6	23	-0.5	8	34	10	..	14	7	..
Martinborough EWS	20	20.2	9.0	14.6	..	27.4	24	0.3	8	13	7	..	5	1	230
Ngawi AWS	6	19.6	12.4	16.0	..	27.9	24	6.6	8	14	7	..	5	6	..
Hicks Bay AWS	46	18.3	12.0	15.2	-0.2	21.5	29	8.3	3	50	7	..	17	1	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	255
Gisborne AWS	5	21.3	9.9	15.6	-0.2	26.9	25	3.0	9	12	9	-51	3	18	..
Napier Aero AWS	3	20.9	9.8	15.4	+0.1	28.6	23	2.0	8	9	4	-51	5	1	..
Napier Nelson Pk	2	21.7	11.4	16.6	+0.5	29.1	25	4.4	8	14	5	-43	7	1	262
Hastings AWS	16	21.9	10.0	16.0	..	30.0	25	2.9	8	20	7	..	11	27	..
Whakatu EWS	5	20.6	8.9	14.8	..	28.7	25	2.1	8	16	4	..	9	27	..
Waipawa EWS	130	21.2	7.2	14.2	..	28.3	23	-0.2	8	15	7	..	4	1	246
Wairoa, North Clyde E	15	21.8	9.3	15.6	-0.2	28.5	25	3.4	8	11	5	-68	6	1	..
Paraparaumu Aero	5	18.3	10.9	14.6	+0.7	25.4	24	1.6	8	44	10	-38	13	1	235
Paraparaumu Aero AWS	5	18.0	10.9	14.5	+0.6	25.0	24	1.9	8	40	11	..	11	1	..
Palmerston North AWS	39	20.2	9.7	15.0	+1.0	28.5	24	1.3	8	42	10	-30	12	24	..
Palmerston North EWS	21	19.6	10.2	14.9	..	28.6	24	2.4	8	45	9	..	20	24	202
Levin AWS	14	19.0	10.8	14.9	+0.8	26.9	24	1.3	8	51	12	..	13	1	..
Mana Island	2	18.5	11.6	15.1	+0.9	23.1	23	3.5	8	47	..	..	24	24	..
Mana Island AWS	100	15.3	10.6	13.0	..	20.1	24	4.4	8	42	11	..	22	24	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	239
Wellington, Kelburn A	125	17.5	10.8	14.2	..	22.8	24	4.3	8	98	14	..	35	24	..
Wellington Aero	4	18.1	12.0	15.1	+0.7	25.3	24	5.6	8	53	11	-26	23	24	..
Wallaceville EWS	56	19.2	8.9	14.1	..	25.2	24	0.4	8	79	12	-24	29	1	196
Stratford EWS	300	17.3	8.4	12.9	..	23.9	30	1.0	8	152	15	..	55	24	190
Hawera AWS	98	17.4	9.5	13.5	..	22.9	23	1.3	8	40	13	..	8	17	..
Ohakune EWS	607	18.2	6.8	12.5	..	24.9	12	-2.0	8	60	11	..	18	24	253
Waiouru	806	17.3	5.8	11.6	+1.3	..	..	..	..	..	..	..	..	..	..
Waiouru AWS	820	16.7	5.1	10.9	..	23.3	14	-1.9	8	38	14	-41	10	24	..
Taihape Rec	433	20.1	7.3	13.7	+0.7	27.0	23	..	..	32	10	-38	10	5	..
Wanganui,Spriggens Pa	15	19.7	11.6	15.7	+0.8	26.0	28	3.5	8	41	10	-33	10	6	..
Wanganui AWS	8	18.9	11.0	15.0	+0.3	25.1	22	3.1	8	44	9	..	9	5	..
Wanganui 2 AWS	18	20.3	11.0	15.7	..	..	..	..	..	..	..	..	..	..	..
Takaka,Kotinga 2	25	18.7	8.8	13.8	+0.0	26.4	29	2.8	7	439	17	+261	123	23	..
Takaka EWS	20	18.7	8.9	13.8	..	26.6	29	2.9	6	443	9	..	128	23	206
Farewell Spit AWS	3	18.0	11.2	14.6	+0.2	22.5	29	6.0	6	..	..	..	..	..	..
Westport Aero AWS	4	15.8	9.2	12.5	-0.7	20.0	28	2.8	7	271	17	+95	44	23	..
Arapito	18	17.0	8.9	13.0	-0.5	21.8	23	2.9	7	237	16	+12	42	16	148
Arapito EWS	18	16.5	8.2	12.4	..	21.2	23	2.3	7	224	18	..	40	16	..
Murchison EWS	185	20.0	6.7	13.4	..	27.5	14	0.5	8	140	16	+1	29	24	..
Lake Rotoiti EWS	634	17.6	5.4	11.5	..	26.4	13	-1.8	8	135	14	..	26	24	..
Hokitika Aero	39	15.2	8.6	11.9	-0.8	18.5	28	1.9	7	313	19	+73	54	23	161
Hokitika AWS	38	15.3	8.5	11.9	-0.7	18.7	28	1.8	7	330	17	..	55	23	..
Reefton EWS	198	18.4	7.4	12.9	-0.4	26.4	30	0.1	8	268	15	+93	92	24	181
Greymouth Aero	4	15.8	8.7	12.3	-0.8	19.8	24	2.1	6	249	16	+49	63	24	144
Greymouth Aero EWS	5	15.2	8.8	12.0	..	19.0	24	2.2	6	238	15	..	58	24	169
Okarito	2	16.0	7.7	11.9	..	19.1	28	0.6	7	549	17	+294	154	22	..
Franz Josef	155	15.6	7.4	11.5	-0.4	21.0	28	0.7	6	937	..	+477	237	24	..
Franz Josef EWS	80	14.8	6.8	10.8	..	19.6	30	-0.4	6	723	16	..	164	24	108
Haast AWS	5	15.1	7.2	11.2	-0.7	20.6	23	0.1	6	313	17	..	73	16	..
Milford Sound	3	15.8	7.2	11.5	-0.2	22.0	23	0.9	6	562	18	+41	132	24	..
Milford Sound AWS	3	16.5	6.9	11.7	..	22.9	23	0.4	6	452	21	..	99	24	..
Secretary Island AWS	19	14.4	8.4	11.4	..	19.7	23	1.6	6	310	25	..	66	15	..
Puysegur Point AWS	44	13.6	8.2	10.9	-0.3	19.3	21	1.3	6	201	24	+29	41	4	..
Motueka, Riwaka EWS	8	19.2	8.6	13.9	-0.3	23.8	30	1.4	7	122	7	+16	49	24	..
Maud Island	15	17.1	11.0	14.1	..	22.5	..	..	..	212	12	..	53	24	..
Pelorus Sd, Crail Bay	13	18.5	10.7	14.6	+0.2	23.2	..	4.7	6	225	13	+56	60	22	..
Nelson Aero	2	18.2	10.0	14.1	-0.1	22.5	25	1.9	7	141	11	+61	59	24	210
Appleby 2 EWS	18	18.3	8.2	13.3	..	23.7	30	1.3	8	111	11	..	68	24	199

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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		
Nelson AWS	4	18.5	10.2	14.4	-0.1	22.7	29	2.3	6	106	10	..	49	24	..
Blenheim Research EWS	4	19.8	10.0	14.9	+0.3	28.5	29	2.1	8	54	12	+4	25	24	247
Blenheim Aero AWS	35	19.8	8.8	14.3	+0.1	27.5	29	-0.3	8	62	13	+6	34	24	..
Brothers Island AWS	68	16.1	11.7	13.9	..	22.4	28	6.3	8	41	10	..	13	22	..
Awatere Valley, Dashw	83	19.6	9.4	14.5	..	27.0	29	-0.2	8	30	10	..	11	24	..
Grassmere Salt Works	2	18.0	9.6	13.8	-0.8	28.9	25	1.7	8	16	6	-28	9	24	..
Cape Campbell AWS	2	16.0	11.3	13.7	..	18.9	23	5.8	8	9	7	..	3	24	..
Boyle River Lodge	600	19.1	6.0	12.6	..	27.0	14	-0.4	7	182	18	..	30	4	..
Hanmer Forest EWS	363	21.2	5.1	13.2	+1.2	29.2	15	-3.3	7	20	7	-76	7	1	..
Kaikoura AWS	105	18.8	10.1	14.5	+1.3	27.4	25	4.9	7	11	5	-52	4	6	..
Arthurs Pass	738	14.7	5.4	10.1	+0.9	22.8	30	-1.5	7	658	16	+236	175	24	..
Arthurs Pass EWS	738	14.3	5.0	9.7	..	22.5	30	-1.6	7	624	16	..	168	24	..
Culverden	178	23.4	8.1	15.8	..	..	..	..	..	8	4	-44	3	7	..
Waiu School Cws	136	22.1	7.9	15.0	..	30.6	15	0.0	7	20	7	..	7	25	..
Mt Cook EWS	765	17.0	5.4	11.2	+0.4	25.0	14	-1.6	8	506	14	+124	160	24	192
Craigieburn Forest	914	17.7	4.2	11.0	+1.3	25.7	15	-3.5	7	194	12	+69	50	24	..
Snowdon EWS	560	18.8	6.6	12.7	..	24.7	24	-1.1	8	25	9	..	9	4	..
Winchmore EWS	160	20.2	7.3	13.8	+1.1	30.0	15	-1.9	6	26	10	-28	7	6	..
Peel Forest	286	19.9	5.9	12.9	+1.0	30.0	15	-3.8	6	43	11	-44	11	4	..
Ashburton Council	101	21.3	8.0	14.7	+1.1	32.6	15	-0.6	6	31	7	-24	11	6	..
Ashburton Aero AWS	89	20.2	7.5	13.9	..	32.3	15	-2.9	6	37	7	..	16	17	262
Waipara West EWS	130	21.5	8.6	15.1	..	30.5	15	1.1	7	5	7	..	2	6	269
Rangiora EWS	23	19.9	8.3	14.1	+0.9	29.4	15	-2.1	6	6	7	..	2	5	230
Darfield EWS	190	21.5	8.0	14.8	..	31.4	15	0.9	7	13	7	..	4	4	..
Christchurch Aero	37	20.4	8.1	14.3	+0.8	31.0	15	-2.6	6	10	7	-36	3	4	268
Christchurch Gardens	7	20.6	9.4	15.0	+1.0	28.2	29	-0.6	6	7	6	-37	3	5	..
Christchurch, Kyle St	6	20.6	8.5	14.6	..	30.9	15	-2.3	6	8	8	..	3	5	..
Lincoln, Broadfield E	18	19.6	8.9	14.3	+1.1	29.5	15	-2.0	6	11	8	..	4	5	..
Sugar Loaf AWS	618	17.2	7.7	12.5	..	..	..	..	..	..	..	..	..	..	..
Lyttelton Harbour	5	19.3	11.3	15.3	..	..	..	..	..	..	..	..	..	..	..
Le Bons Bay AWS	236	17.1	8.6	12.9	+1.1	25.8	15	0.5	6	15	8	..	7	17	..
Lake Tekapo, Air Safa	762	18.9	4.7	11.8	+0.7	26.0	15	-2.8	8	27	8	-14	15	24	..
Lake Tekapo EWS	762	18.7	4.5	11.6	..	25.8	15	-3.6	8	26	4	..	15	24	254
Fairlie	300	21.5	5.6	13.6	+1.5	..	..	..	..	..	..	..	..	..	..
Hakataramea Valley Cw	355	20.2	5.7	13.0	..	28.7	15	-1.9	8	10	6	..	4	6	..
Orari Estate	81	20.7	7.2	14.0	+1.3	30.8	24	-0.3	6	33	9	-23	19	25	..
Orari Estate Cws	81	19.6	7.3	13.5	..	29.8	24	0.1	6	33	8	..	19	25	..
Timaru Aero AWS	26	19.8	6.7	13.3	+1.0	31.1	15	-0.4	6	23	8	-23	10	17	..
Timaru EWS	17	18.2	8.6	13.4	..	28.4	15	1.5	6	23	6	..	10	17	..
Waimate	64	18.7	5.9	12.3	-0.4	31.7	..	..	..	20	..	-26	6	16	..
Oamaru Airport AWS	30	17.8	7.5	12.7	..	30.9	15	0.0	8	15	6	..	5	6	..
Albert Burn	1280	11.8	1.3	6.6	..	20.0	14	-7.7	6	251	15	..	81	24	..
Tara Hills AWS	488	20.2	4.9	12.6	+0.6	27.3	15	-3.0	7	15	6	-29	9	24	..
Wanaka Aero AWS	352	19.7	6.6	13.2	..	27.5	14	-2.0	6	29	6	..	18	24	..
St Bathans, Post Offi	585	18.9	5.2	12.1	..	..	..	..	..	..	..	..	..	..	..
Naseby Forest 2	607	18.9	3.8	11.4	+1.1	27.0	15	-3.6	8	28	6	-29	17	25	..
Windsor EWS	81	18.9	7.8	13.4	..	28.7	15	0.3	8	21	5	..	10	6	..
Ranfurlly EWS	450	19.2	4.3	11.8	..	26.9	14	-5.0	8	12	7	..	7	25	..
Oamaru AWS	40	17.7	7.7	12.7	..	31.3	15	0.2	7	14	7	..	8	17	..
Palmerston	21	18.7	6.2	12.5	+0.7	31.2	15	-1.4	8	12	5	-35	6	30	188
Middlemarch EWS	213	20.5	5.1	12.8	..	29.5	15	-4.6	8	12	6	..	7	16	197
Swampy Summit AWS	722	14.2	4.4	9.3	..	..	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	1	19.6	6.8	13.2	+1.3	31.0	15	-1.7	8	31	12	-24	9	16	..
Dunedin, Musselburgh	4	17.3	8.1	12.7	+0.4	29.3	15	1.1	8	34	10	-30	10	16	182
Murchison Mtns EWS	1140	9.9	0.9	5.4	..	17.2	14	-6.9	6	265	22	..	58	16	..
Manapouri, West Arm J	178	15.5	6.1	10.8	..	22.0	14	-0.8	6	251	21	..	48	15	..
Manapouri Aero AWS	209	17.4	5.1	11.3	..	24.4	14	-2.9	8	92	10	..	25	4	..
Queenstown	329	20.4	7.2	13.8	+0.8	29.3	14	0.6	8	67	8	-5	35	16	227
Queenstown Aero AWS	354	18.7	5.5	12.1	+0.3	27.3	14	-2.1	8	42	8	-13	22	16	..
Lumsden AWS	187	17.6	5.5	11.6	+0.2	27.1	14	-2.9	8	61	11	..	24	4	..
Cromwell EWS	213	21.8	7.8	14.8	..	30.6	14	0.5	8	14	5	..	9	24	250
Lauder EWS	375	20.1	5.6	12.9	..	28.6	14	-3.4	8	20	5	..	12	25	..
Alexandra	150	22.7	6.5	14.6	..	32.2	14	-3.0	8	10	7	..	3	16	236

Summary of the records of Temperature, Rainfall and Sunshine November 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		
Clyde EWS	171	21.5	6.7	14.1	+0.7	30.1	14	-0.9	8	11	7	..	3	16	..
Ettrick No.2	91	20.2	5.1	12.7	+0.3	30.5	15	-2.6	8	32	7	..	9	5	..
Winton	44	17.3	6.1	11.7	+0.1	26.0	22	-0.5	8	102	17	+33	28	4	170
Gore AWS	123	16.5	6.8	11.7	+0.3	25.1	15	-0.6	8	91	18	+13	26	4	..
Thornbury	20	17.4	6.8	12.1	..	26.3	24	-0.6	8	101	17	..	30	4	..
Invercargill Aero		16.2	6.8	11.5	+0.2	25.3	23	-0.3	8	113	21	+32	41	4	184
Invercargill Aero AWS	1	15.9	6.8	11.4	..	25.1	23	-0.6	8	109	20	..	39	4	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	106	21	..	41	4	167
Tiwai Point EWS	5	14.7	7.7	11.2	-0.6	23.9	24	0.7	5	93	21	+10	31	4	..
Balclutha, Telford Ew	11	16.7	6.0	11.4	..	27.6	15	..	..	54	17	..	17	5	222
Nugget Point AWS	129	15.1	7.3	11.2	+0.2	24.1	24	0.5	6	81	19	..	21	4	..
South West Cape AWS	101	13.5	7.0	10.3	..	22.1	23	1.0	5	113	23	..	24	24	..
Nauru Upper Air	6	31.6	26.0	28.8	..	..	..	23.7	12	..	..	..	..	..	..
Vanuatu,Sola	13	31.0	23.6	27.3	..	..	..	20.5	12	150	22	..	39	28	..
Vanuatu,Pekoa	56	30.6	22.5	26.6	..	..	..	18.0	11	116	11	..	40	14	..
Vanuatu,Lamap	22	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	32.2	20.3	26.3	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	..	20.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	28.9	20.4	24.7	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	29.4	20.7	25.1	..	..	..	17.8	2	0	0	..	0	1	..
New Cal, Ouanaham	29	28.6	19.4	24.0	..	29.9	22	13.5	30	179	21	..	39	20	..
New Cal, Poinoimie	13	28.3	20.3	24.3	..	..	..	..	..	365	16	..	84	26	..
New Cal, La Roche	42	28.0	17.9	23.0	..	29.6	5	11.5	30	137	17	..	44	26	..
New Cal, La Tontouta	14	31.6	18.6	25.1	..	..	..	..	..	..	..	..	..	..	..
New Cal, Nouma	72	28.8	21.5	25.2	..	32.1	21	18.6	2	73	10	..	35	25	..
New Cal, Moue	97	27.2	19.8	23.5	..	..	..	16.3	29	..	..	..	..	..	..
Kiribati,Tarawa	2	31.6	26.4	29.0	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	30.7	25.4	28.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	30.8	25.6	28.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.6	26.3	29.0	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.4	24.3	27.9	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	31.1	24.9	28.0	..	..	..	22.2	17	..	..	..	..	..	..
Fiji, Nambowalu	36	30.6	23.4	27.0	..	..	..	20.8	11	..	..	..	..	..	..
Fiji,Nadi Aero	15	30.5	21.9	26.2	..	..	..	19.7	30	..	..	..	..	..	..
Fiji, Nadi EWS	15	30.7	22.1	26.4	..	33.9	6	19.9	30	196	13	..	69	28	..
Fiji,Nausori Aero	6	29.8	21.4	25.6	..	..	..	..	..	..	..	..	..	..	..
Fiji, Vunisea	33	29.3	22.6	26.0	..	..	..	..	..	..	..	..	..	..	..
Kiribati, Kanton Isl	2	..	25.6	..	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.6	24.8	27.7	..	31.6	27	22.2	9	220	15	..	115	16	..
Maopopo, Futuna Isla	36	30.7	24.8	27.8	..	32.8	20	22.2	17	200	22	..	51	16	..
Samoa,Faleolo	4	30.7	24.5	27.6	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.0	23.9	27.0	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	31.2	25.9	28.6	..	..	..	24.1	12	305	25	..	66	7	..
Tonga, Queen Lavinia	60	..	23.5	..	..	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	..	23.8	..	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	28.4	21.2	24.8	..	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	29.3	23.6	26.5	..	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	28.6	21.4	25.0	..	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport	59	29.2	23.6	26.4	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	29.3	23.6	26.5	..	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	29.2	23.5	26.4	..	31.5	19	21.6	16	55	13	..	20	14	..
Hiva Hoa, Atuona	51	31.0	23.2	27.1	..	33.0	4	21.5	6	77	16	..	27	4	..
Tahiti - Faaa	1	30.4	23.7	27.1	..	31.4	29	22.3	5	41	15	..	16	30	..
Tuamotu, Takaroa	2	30.2	25.4	27.8	..	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	28.4	24.1	26.3	..	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	26.0	21.3	23.7	..	27.8	2	18.6	11	180	17	..	67	5	..
Tubuai	2	..	20.8	..	..	..	..	..	..	..	..	..	..	..	..
Rapa	1	23.1	20.0	21.6	..	26.1	27	15.1	3	123	19	..	49	15	..
Raoul Island AWS	49	22.6	17.3	20.0	..	25.2	13	12.4	1	130	16	..	43	28	..
Enderby Is AWS	40	9.9	4.9	7.4	..	12.2	14	-0.5	5	118	23	..	26	23	..
Campbell Island AWS	19	9.0	3.9	6.5	-0.7	11.5	24	-0.8	17	134	24	+34	23	24	..
Chatham Islands AWS	48	14.6	8.7	11.7	+0.0	19.1	24	4.0	22	31	9	-32	10	5	..

Summary of the records of Temperature, Rainfall and Sunshine November 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		
Chatham Island EWS	14	16.1	8.5	12.3	..	20.5	23	1.0	22	37	9	..	10	5	..
Georg Von Neumayer	40	-7.5	-15.5	-11.5	..	-2.2	2	-25.4	16	..	..	..	..	..	..
Ant South Pole	2800	-36.8	-41.1	-39.0	..	-27.4	4	-53.9	1	..	..	..	..	..	..
Halley Bay	30	-7.9	-15.6	-11.8	..	-1.2	1	-25.0	14	..	..	..	..	..	..
Gen Belgrano 2	32	-4.5	-13.2	-8.9	..	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	2.8	-1.1	0.9	..	11.6	30	-5.0	2	..	..	..	..	..	..
Dinamet	10	1.1	-0.7	0.2	..	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	-0.3	..	..	..	12.2	30	..	..	..	..	..	..	..	..
Eduardo Frei	10	0.4	-1.8	-0.7	..	..	..	-4.9	6	..	..	..	..	..	..
Arturo Prat	12	1.2	-1.5	-0.2	..	3.9	10	-5.5	1	..	..	..	..	..	..
Bernado Ohiggins	10	-0.1	-2.7	-1.4	..	2.8	27	-6.5	6	..	..	..	..	..	..
Rothera Point	16	1.3	-2.9	-0.8	..	..	..	..	..	..	..	..	..	..	..
Argentine Is, Faraday	11	0.8	-2.6	-0.9	..	2.7	9	-27.7	17	..	..	..	..	..	..
Gen San Martin	4	1.4	..	..	..	7.0	19	..	..	..	..	..	..	..	..
King Sejong	11	1.6	-0.9	0.4	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaia	99	-3.5	-9.5	-6.5	..	0.5	28	-15.6	1	..	..	..	..	..	..
Mawson	16	-2.5	-9.7	-6.1	..	..	..	..	..	..	..	..	..	..	..
Davis	13	-2.2	-7.8	-5.0	..	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-34.8	-46.1	-40.5	..	-27.1	18	..	..	..	..	..	..	..	..
Casey	41	-1.9	-9.6	-5.8	..	1.8	10	-23.6	1	..	..	..	..	..	..
Durmout Durville	43	-2.5	-8.8	-5.7	..	1.7	11	-14.9	3	..	..	..	..	..	..
Mcmurdo	24	-7.3	-13.8	-10.6	..	..	..	..	..	..	..	..	..	..	..
Ant Scott Base	16	-9.2	-18.7	-14.0	..	-2.3	30	-26.7	1	..	..	..	..	..	..
Ant Arrival Heights E	185	-8.9	-16.6	-12.8	..	-2.2	30	-24.4	5	..	..	..	..	..	..
Ant Scott Base EWS	16	-9.4	-18.6	-14.0	..	-2.3	30	-26.5	1	..	..	..	..	..	..
Darwin Airport	31	34.4	26.3	30.4	..	..	..	..	..	57	8	..	26	29	..
Hobart Airport	4	18.4	9.4	13.9	..	31.2	13	3.0	1	..	..	..	..	..	..
Late returns and corrections for October 2008															
Kerikeri EWS	79	18.9	9.2	14.1	-0.1	21.5	29	4.6	21	..	..	..	..	..	..
Tiri Tiri Lighthouse	76	16.7	11.9	14.3	+0.2	19.0	4	9.4	1	65	..	-17	17	24	..
North Shore, Auckland	20	18.4	10.3	14.4	..	21.3	7	6.3	27	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	18.0	10.4	14.2	..	22.3	15	7.7	1	..	..	..	..	..	..
Whakamarama 1	392	15.0	8.1	11.6	+0.0	19.0	22	2.4	27	197	20	-3	34	24	176
Pakuranga, Auckland R	15	18.9	9.9	14.4	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	19.3	11.4	15.4	..	22.7	7	7.1	27	..	..	..	..	..	..
Te Kuiti EWS	62	18.0	9.1	13.6	..	22.1	24	1.8	1	154	24	..	34	7	177
Whakatu EWS	5	19.3	7.1	13.2	..	24.5	5	0.0	27	29	9	..	12	17	..
Waipawa EWS	130	18.6	6.1	12.4	..	23.7	28	-0.9	27	20	15	..	3	18	220
Farewell Spit AWS	3	16.8	9.8	13.3	+0.4	20.0	28	..	..	..	..	..	..	..	..
Hokitika Aero	39	13.9	6.6	10.3	-1.0	17.1	24	2.5	9	217	23	-69	41	31	186
Franz Josef	155	..	5.2	..	..	..	..	1.3	9	..	..	..	..	..	..
Craigieburn Forest	914	14.6	0.5	7.6	-0.3	20.4	13	-3.6	9	146	20	-33	31	6	..
Rangiora EWS	23	17.4	5.1	11.3	-0.1	26.8	4	-0.4	10	31	13	..	18	25	224
Christchurch, Kyle St	6	18.4	5.3	11.9	..	27.6	4	0.6	2	25	9	..	15	25	..
Lake Tekapo EWS	762	15.7	1.9	8.8	..	21.8	27	-6.1	26	36	8	..	12	7	261
Timaru EWS	17	16.8	5.9	11.4	..	27.5	28	0.2	10	28	6	..	17	25	..
Oamaru Airport AWS	30	16.5	4.2	10.4	..	26.6	28	0.6	2	13	6	..	9	25	..
Middlemarch EWS	213	16.8	2.7	9.8	..	25.9	27	-2.4	22	26	8	..	13	6	188
Queenstown	329	17.1	4.6	10.9	+0.0	24.1	27	0.9	19	66	13	-29	14	6	235
Cromwell EWS	213	18.4	5.3	11.9	..	26.0	27	0.8	19	22	11	..	9	6	261
Tapanui	180	15.5	3.7	9.6	-0.3	23.5	28	-0.4	22	55	21	-28	13	28	..
Stewart Is	3	13.5	6.0	9.8	+0.2	23.0	28	0.5	26	180	..	+43	21	7	..
Balclutha, Finegand	6	16.4	5.6	11.0	+0.4	..	..	..	..	39	14	-29	9	4	212
Samoa, Pago Pago Aero	3	30.4	26.0	28.2	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	177
Late returns and corrections for September 2008															
Tiri Tiri Lighthouse	76	16.0	11.1	13.6	+0.8	20.1	24	6.2	8	28	19	-61	7	17	..
North Shore, Auckland	20	18.0	8.6	13.3	..	20.6	23	4.9	7	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	17.6	9.6	13.6	..	20.7	10	..	..	..	..	..	..	..	..
Pakuranga, Auckland R	15	18.3	7.1	12.7	..	20.6	23	2.2	15	..	..	..	..	..	..
Penrose EWS	30	18.9	9.8	14.4	..	21.2	12	5.8	7	..	..	..	..	..	..

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		
Hokitika Aero	39	13.7	6.9	10.3	+0.5	16.6	19	0.8	6	268	21	+18	49	3	135
Queenstown	329	14.2	4.7	9.5	+0.9	21.0	15	-0.7	6	131	18	+62	27	23	117
Stewart Is	3	13.9	5.7	9.8	+1.6	20.0	..	0.0	5	131	..	+9	..	..	..
Late returns and corrections for August 2008															
North Shore, Auckland	20	16.1	7.4	11.8	..	18.1	26	0.8	10	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	15.3	7.9	11.6	..	17.4	25	2.7	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	..	..	..	..	..	..
Pitcairn Is	264	20.4	14.6	17.5	..	24.0	25	12.6	11	112	..	..	40	10	200
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	191
Late returns and corrections for July 2008															
Stewart Is	3	10.1	4.0	7.1	+1.0	13.0	11	..	..	122	..	+4	18	13	..
Pitcairn Is	264	21.8	15.4	18.6	..	23.3	..	10.1	7	143	..	..	30	21	147
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	135
Late returns and corrections for June 2008															
Pitcairn Is	264	21.5	15.0	18.3	..	23.5	22	10.0	10	115	..	..	..	..	141
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	123
Late returns and corrections for May 2008															
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	167
Late returns and corrections for April 2008															
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	112

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.