

SEPTEMBER 2008

Summary of the records of Temperature, Rainfall and Sunshine September 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	16.3	11.3	13.8	..	18.2	4	9.2	19	56	14	-41	15	7	..
Kaitaia Aero EWS	80	17.4	10.0	13.7	..	19.6	4	6.2	14	95	16	..	15	7	..
Kaitaia Observatory	85	17.4	9.7	13.6	..	20.2	16	6.1	14	102	16	-31	16	7	193
Kaitaia EWS	85	17.5	10.1	13.8	+0.8	20.6	16	6.7	14	96	16	..	15	7	198
Kerikeri EWS	79	18.3	8.8	13.6	+0.8	21.2	25	3.5	24	85	19	-97	37	7	..
Kaikohe AWS	204	16.8	9.7	13.3	+1.3	19.0	8	6.0	7	126	20	-10	40	7	..
Dargaville 2 EWS	66	16.9	10.1	13.5	..	20.8	8	4.7	7	39	18	..	7	17	172
Purerua AWS	82	17.1	10.3	13.7	..	19.2	9	7.4	7	..	..	..	..	..	..
Whangarei Aero AWS	37	18.0	9.5	13.8	+0.7	21.7	23	5.2	7	52	16	-72	13	7	..
Mokohinau AWS	60	16.3	12.4	14.4	..	18.0	22	9.0	18	..	..	..	..	..	..
Warkworth EWS	72	16.8	8.2	12.5	..	19.4	23	3.4	29	49	14	-90	13	7	..
Whangaparaoa AWS	89	17.0	10.5	13.8	..	20.0	23	7.8	6	31	12	..	7	17	..
Tiri Tiri Lighthouse	76	15.8	11.0	13.4	+0.6	..	..	..	..	..	..	..	..	..	..
Arc Kumeu EWS	16	17.0	7.6	12.3	..	19.5	24	2.2	7	50	12	..	9	11	..
Whenuapai AWS	26	16.8	8.3	12.6	..	18.9	23	3.3	7	..	..	..	..	..	..
North Shore, Auckland	20	18.0	8.6	13.3	..	20.6	23	4.9	7	..	..	..	..	..	..
Henderson, River Pk	7	18.3	7.7	13.0	+0.5	20.2	24	3.1	7	63	17	-74	12	17	..
Henderson, Auckland R	35	15.7	8.3	12.0	..	17.6	24	3.9	7	..	..	..	..	..	..
Lincoln Rd, Auckland	25	19.2	9.0	14.1	..	27.0	8	3.5	29	..	..	..	..	..	..
Khyber Pass, Auckland	81	17.1	11.0	14.1	..	19.6	23	8.3	29	49	14	..	10	5	..
Musick Pt Ews, Auckla	18	17.6	9.6	13.6	..	20.7	10	..	..	..	..	..	..	..	..
Auckland, Owairaka	41	17.0	8.8	12.9	+0.3	19.6	23	..	..	..	..	..	..	..	..
Onehunga, Auckland Re	5	16.5	10.2	13.4	+0.5	19.0	23	5.7	7	..	..	..	..	..	..
Waiheke Island, Awaro	34	17.5	8.5	13.0	..	19.7	23	3.5	29	47	10	-68	16	8	..
Whitianga Aero AWS	5	17.4	8.4	12.9	+0.9	20.1	9	3.7	21	80	19	-86	30	8	..
Thames 2	3	17.7	9.2	13.5	+0.9	19.6	23	5.0	15	42	..	-76	14	8	191
Paeroa AWS	18	17.6	8.6	13.1	+1.0	20.0	22	3.1	15	56	15	-67	19	8	..
Toenepi EWS	48	17.1	7.7	12.4	..	19.6	16	2.5	29	60	12	..	14	11	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	184
Tauranga Aero AWS	4	17.3	9.3	13.3	+1.3	20.5	22	5.1	29	55	14	-48	36	8	..
Te Puke EWS	91	17.5	7.5	12.5	..	21.4	22	3.2	27	89	14	-47	51	8	..
Whakatane Aero AWS	7	17.1	7.2	12.2	+0.7	22.0	22	2.3	7	44	12	-46	15	8	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	240
White Island	310	15.7	10.2	13.0	..	18.0	5	9.0	1	..	..	..	..	..	..
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	193
Rotorua Aero AWS	283	15.2	6.2	10.7	+0.5	19.1	16	1.4	29	102	15	-13	58	8	..
Tarapounamu EWS	701	10.8	2.8	6.8	..	17.6	16	-0.4	29	105	19	..	35	8	..
Taupo AWS	400	14.5	4.6	9.6	+0.4	17.6	20	-1.8	29	73	16	..	23	9	..
Motu EWS	488	12.7	3.1	7.9	..	17.9	23	-3.2	29	92	14	..	31	8	..
Mangere EWS	5	16.1	9.1	12.6	..	18.6	23	4.2	7	43	14	..	7	11	199
Wiri, Auckland Region	18	16.2	9.6	12.9	+0.5	18.9	23	5.0	7	..	..	..	..	..	..
Pakuranga, Auckland R	15	18.3	7.2	12.8	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	18.9	9.8	14.4	..	21.2	12	5.8	7	..	..	..	..	..	..
Auckland Aero	33	16.6	9.6	13.1	+0.3	19.1	24	5.1	7	39	15	-58	7	17	..
Ardmore	23	18.4	6.6	12.5	+0.6	20.5	23	3.8	8	49	16	-65	10	9	..
Pukekohe EWS	88	16.6	7.8	12.2	+0.2	18.4	24	4.3	29	58	14	..	16	29	..
Whatawhata 2 EWS	118	16.0	7.5	11.8	..	18.9	16	2.7	7	138	19	..	29	8	..
Ruakura 2 EWS	45	16.5	6.3	11.4	..	19.4	16	1.7	29	70	13	..	18	11	170
Hamilton AWS	53	16.6	6.4	11.5	+0.4	20.0	16	1.0	29	74	16	-33	16	29	..
Port Taharoa AWS	27	16.7	9.7	13.2	+0.5	19.8	2	5.6	7	105	17	..	40	10	..
Waikeria	46	17.1	6.8	12.0	+1.0	20.1	16	1.2	7	63	10	-44	17	8	..
Te Kuiti EWS	62	17.0	6.6	11.8	..	..	..	..	..	37	14	..	13	17	..
Taumarunui	171	16.0	5.4	10.7	+0.1	20.2	16	-0.5	29	131	22	-16	48	10	..
Taumarunui AWS	195	16.1	5.1	10.6	..	21.0	16	-1.5	29	121	20	..	36	10	152
Turangi 2 EWS	350	15.2	3.6	9.4	..	20.0	16	-3.4	29	108	15	..	30	8	164
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	175
New Plymouth AWS	30	15.8	7.9	11.9	+0.5	17.7	24	1.2	29	120	16	+3	29	10	..
Lower Retaruke	219	15.8	5.4	10.6	+0.6	20.8	16	-1.6	7	166	15	+20	59	10	..
Mt Ruapehu, Chateau E	1097	10.2	0.9	5.6	+0.9	16.7	16	-3.7	29	229	15	-37	54	10	..
Alfredton EWS	240	15.1	6.0	10.6	..	18.3	4	-2.4	7	56	19	..	11	10	..
Kopua	311	15.4	5.1	10.3	+0.7	20.4	23	-1.3	29	54	12	-37	23	10	..
Takapau Plains AWS	330	15.0	4.1	9.6	..	19.5	23	-2.9	29	48	15	..	17	10	..
Dannevirke	207	15.7	5.7	10.7	+0.5	20.3	23	-1.5	29	36	14	-52	8	11	176

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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		
Dannevirke EWS	207	13.9	4.2	9.1	..	18.4	23	-3.1	29	33	13	..	8	11	182
Waione EWS	48	17.7	6.1	11.9	..	21.7	16	-1.6	29	35	13	..	7	11	..
Castlepoint Station	9	16.0	8.7	12.4	..	21.5	23	2.3	7	50	9	-26	18	27	..
Castlepoint AWS	120	14.6	9.0	11.8	+0.2	19.6	23	3.6	7	43	12	..	15	27	..
Baring Head	79	13.4	8.9	11.2	..	16.2	8	4.2	7	43	14	..	10	8	..
East Taratahi AWS	91	16.1	4.6	10.4	+0.3	20.3	15	-3.2	7	63	14	..	15	27	..
Te Wharau, Brackenfie	292	14.7	4.9	9.8	..	19.8	23	-2.5	7	62	13	..	20	27	..
Martinborough EWS	20	15.9	5.8	10.9	..	21.0	16	-3.0	7	26	12	..	8	27	167
Ngawi AWS	6	15.4	9.6	12.5	..	20.4	15	3.0	7	50	12	..	14	18	..
Hicks Bay AWS	46	16.2	10.2	13.2	+0.8	19.0	25	6.3	29	61	16	..	17	4	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	212
Gisborne AWS	5	17.9	7.1	12.5	+0.7	24.7	23	1.5	21	13	10	-74	5	4	..
Napier Aero AWS	3	16.7	5.8	11.3	-0.1	24.6	23	-0.2	29	27	7	-42	6	5	..
Napier Nelson Pk	2	18.1	7.3	12.7	+0.7	26.0	24	0.2	29	40	7	-25	10	18	197
Hastings AWS	16	17.6	6.1	11.9	..	25.0	23	0.1	29	32	11	..	8	9	..
Whakatu EWS	5	16.9	5.5	11.2	..	24.4	23	0.0	29	28	9	..	6	18	..
Waipawa EWS	130	16.7	4.4	10.6	..	22.7	23	-1.9	29	25	8	..	10	5	207
Wairoa, North Clyde E	15	17.7	6.4	12.1	+0.3	23.4	21	1.5	29	24	10	-85	6	10	..
Mahia AWS	136	15.0	9.5	12.3	+0.7	21.4	24	6.2	29	21	13	..	4	18	..
Paraparaumu Aero	5	15.1	8.6	11.9	+1.0	17.8	9	-1.7	7	44	17	-40	11	11	134
Paraparaumu Aero AWS	5	14.7	8.5	11.6	+0.8	17.4	9	-1.9	7	40	13	..	9	11	..
Palmerston North AWS	39	15.9	6.5	11.2	+0.4	19.0	23	-0.3	29	44	14	-41	10	18	..
Palmerston North EWS	21	15.8	6.8	11.3	..	19.1	9	-0.4	29	60	16	..	15	18	127
Levin AWS	14	15.5	7.7	11.6	+0.6	18.1	9	0.3	7	62	14	..	15	11	..
Mana Island AWS	100	12.2	8.7	10.5	..	15.0	8	2.3	7	66	14	..	22	11	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	127
Wellington, Kelburn A	125	13.5	8.6	11.1	..	16.7	25	1.5	7	181	15	..	44	5	..
Wellington Aero	4	14.5	9.4	12.0	+0.7	17.6	25	1.3	7	78	13	+0	13	8	..
Wallaceville EWS	56	15.4	5.8	10.6	..	19.2	9	-4.0	7	80	17	-32	16	27	125
Stratford EWS	300	13.9	5.7	9.8	..	17.4	16	0.2	7	153	14	..	50	10	146
Hawera AWS	98	14.7	7.4	11.1	..	18.5	24	0.0	29	48	11	..	13	10	..
Ohakune EWS	607	13.4	3.5	8.5	..	18.2	8	-2.3	29	114	13	..	42	10	167
Waiouru	806	12.1	2.5	7.3	+0.8	16.6	16	-3.6	29	64	15	-26	16	10	..
Waiouru AWS	820	11.8	2.3	7.1	..	17.0	16	-5.2	29	73	17	-25	19	10	..
Taihape Rec	433	15.0	3.9	9.5	+0.4	18.8	16	-2.6	29	51	12	-26	13	18	..
Wanganui, Spriggins Pa	15	16.5	8.2	12.4	+0.7	20.8	23	1.9	7	61	11	-11	25	18	..
Wanganui AWS	8	15.8	8.0	11.9	+0.4	19.2	24	2.4	7	57	10	..	15	18	..
Wanganui 2 AWS	18	16.6	7.6	12.1	..	..	..	..	..	..	..	..	..	..	..
Takaka, Kotinga 2	25	16.6	6.1	11.4	+1.1	21.0	23	2.4	27	222	17	+46	47	29	..
Takaka EWS	20	16.6	6.4	11.5	..	21.1	23	2.5	27	212	15	..	46	29	165
Farewell Spit AWS	3	16.2	9.3	12.8	+1.3	..	..	..	..	..	..	..	..	..	..
Westport Aero AWS	4	14.2	7.5	10.9	+0.3	15.4	19	2.6	6	172	20	-23	27	3	..
Arapito	18	14.9	6.2	10.6	-0.1	17.3	16	2.3	28	222	16	-11	49	12	128
Arapito EWS	18	14.6	5.9	10.3	..	17.7	16	1.8	28	208	17	..	48	12	..
Murchison EWS	185	15.5	4.2	9.9	..	21.8	16	0.7	26	149	16	+6	24	3	..
Lake Rotoiti EWS	634	13.9	2.4	8.2	..	..	..	..	..	105	18	..	32	4	..
Hokitika Aero	39	13.7	6.9	10.3	+0.5	16.6	19	0.8	6	267	21	+17	49	3	135
Hokitika AWS	38	13.7	6.7	10.2	+0.4	16.6	19	0.3	6	245	21	..	45	3	..
Reefton EWS	198	14.4	4.5	9.5	+0.2	18.9	19	-0.9	7	173	18	-5	28	3	124
Greymouth Aero	4	14.2	7.0	10.6	+0.2	16.8	19	3.0	7	205	17	-2	25	3	128
Greymouth Aero EWS	5	13.6	7.2	10.4	..	16.5	19	3.0	28	195	18	..	24	3	151
Okarito	2	14.3	6.3	10.3	..	16.7	19	0.0	6	354	22	+99	76	2	..
Franz Josef	155	..	5.6	..	..	..	..	..	..	874	..	+436	198	2	..
Franz Josef EWS	80	13.2	5.1	9.2	..	16.2	15	0.4	6	688	24	..	151	2	125
Haast AWS	5	13.7	6.8	10.3	+1.2	18.9	18	2.1	7	417	20	..	84	2	..
Milford Sound	3	13.8	5.5	9.7	+1.2	..	..	..	..	741	21	+224	153	23	..
Milford Sound AWS	3	14.1	5.3	9.7	..	17.4	18	-0.6	6	599	23	..	119	23	..
Secretary Island AWS	19	13.3	8.2	10.8	..	17.1	18	4.0	4	422	24	..	86	15	..
Puysegur Point AWS	44	12.6	7.9	10.3	+1.0	17.2	22	3.1	4	243	24	+70	36	17	..
Motueka, Riwaka	8	..	..	..	..	..	..	..	..	..	..	..	..	..	168
Motueka, Riwaka EWS	8	16.3	6.3	11.3	+1.1	..	..	..	..	161	13	+45	43	4	..
Pelorus Sd, Crail Bay	13	1.1	..	130	..	-26
Nelson Aero	2	15.5	7.2	11.4	+1.2	20.1	14	2.1	28	132	17	+62	34	4	167

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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		
Appleby 2 EWS	18	16.2	6.2	11.2	..	20.7	14	2.1	29	98	15	..	32	4	163
Nelson AWS	4	16.0	7.3	11.7	+1.2	20.4	14	2.0	28	118	16	..	33	4	..
Blenheim Research EWS	4	16.6	6.7	11.7	+0.9	23.4	15	1.7	7	76	13	+24	18	8	178
Blenheim Aero AWS	35	16.1	5.7	10.9	+0.6	22.9	15	-0.5	7	83	15	+18	19	8	..
Brothers Island AWS	68	13.5	10.1	11.8	..	16.5	21	5.7	6	67	14	..	17	10	..
Awatere Valley, Dashw	83	15.8	6.5	11.2	..	..	..	..	..	37	12	..	8	8	..
Grassmere Salt Works	2	12.9	6.3	9.6	-1.3	21.9	22	-0.6	7	29	..	-14	7	5	..
Cape Campbell AWS	2	12.9	9.2	11.1	..	16.6	23	5.4	7	48	11	..	11	5	..
Boyle River Lodge	600	13.2	2.5	7.9	..	..	..	-3.2	7	147	20	..	24	4	..
Hanmer Forest EWS	363	16.7	1.8	9.3	+1.3	24.0	16	-4.7	7	83	14	-14	34	5	..
Kaikoura AWS	105	13.6	7.6	10.6	+0.5	25.5	23	3.4	6	61	10	-6	28	18	..
Arthurs Pass	738	10.1	2.4	6.3	+1.0	15.1	19	-3.5	28	580	19	+213	124	23	..
Arthurs Pass EWS	738	9.8	2.1	6.0	..	15.1	19	-3.7	28	535	18	..	119	23	..
Culverden	178	17.5	3.4	10.5	..	..	..	..	..	52	10	+2	28	4	..
Mt Cook EWS	765	12.3	3.1	7.7	+1.1	18.5	26	-3.3	28	634	18	+318	236	23	118
Craigieburn Forest	914	12.1	0.5	6.3	+0.5	19.0	16	-4.3	28	187	20	+64	30	1	..
Snowdon EWS	560	13.6	4.7	9.2	..	19.2	25	-1.5	7	94	14	..	18	5	..
Winchmore EWS	160	16.2	4.9	10.6	+1.7	23.6	16	-1.4	6	70	10	+15	27	4	..
Peel Forest	286	15.8	3.2	9.5	+1.3	23.7	16	-3.0	6	77	10	-3	24	3	..
Ashburton Council	101	17.0	4.9	11.0	+1.5	25.8	16	-0.8	6	65	13	+14	21	3	..
Ashburton Aero AWS	89	16.0	5.2	10.6	..	24.0	15	-1.6	6	68	14	..	23	4	174
Waipara West EWS	130	16.5	6.1	11.3	..	23.8	16	-0.1	7	35	7	..	20	4	190
Rangiora EWS	23	15.7	4.8	10.3	+1.0	25.5	16	-1.7	7	32	10	..	17	4	148
Darfield	195	16.2	5.8	11.0	+1.5	24.0	16	0.2	6	62	11	+2	22	4	..
Darfield EWS	190	15.9	6.2	11.1	..	24.2	16	0.0	6	55	9	..	19	4	..
Christchurch Aero	37	15.2	4.1	9.7	+0.4	24.2	23	-1.6	29	34	8	-12	13	4	152
Christchurch Gardens	7	15.5	6.2	10.9	+0.9	24.0	16	0.2	28	38	7	-9	14	27	..
Christchurch, Kyle St	6	16.1	5.0	10.6	..	24.9	16	-1.8	28	40	7	..	16	27	..
Lincoln, Broadfield E	18	15.5	5.8	10.7	+1.4	24.5	23	-1.0	28	41	8	..	14	27	..
Sugar Loaf AWS	618	13.1	5.8	9.5	..	21.0	16	0.9	6	..	..	..	..	..	..
Lyttelton Harbour	5	14.9	8.0	11.5	..	..	..	..	..	..	..	..	..	..	..
Le Bons Bay AWS	236	12.9	6.9	9.9	+1.0	19.6	23	2.5	7	44	13	..	17	4	..
Lake Tekapo, Air Safa	762	13.1	2.4	7.8	+1.3	21.1	23	-3.3	28	33	11	-18	9	3	..
Lake Tekapo EWS	762	13.4	2.4	7.9	..	21.1	23	-3.4	28	30	12	..	8	3	186
Woodbury	195	16.6	4.2	10.4	..	26.0	23	-2.0	6	64	13	..	21	3	..
Orari Estate	81	16.5	4.6	10.6	+1.8	26.3	23	-0.7	6	36	8	-15	16	3	..
Orari Estate Cws	81	15.7	4.9	10.3	..	25.6	23	0.0	6	35	8	..	15	3	..
Timaru Aero AWS	26	16.1	4.1	10.1	+1.6	26.4	23	-1.7	6	25	8	-13	10	3	..
Timaru 2	17	15.1	5.6	10.4	+1.2	26.9	23	-0.5	6	32	7	-4	13	3	148
Timaru EWS	17	15.0	6.0	10.5	..	26.8	23	0.1	6	32	8	..	13	3	..
Waimate	64	15.6	4.4	10.0	+0.9	26.1	23	-1.5	6	32	5	-5	9	27	..
Oamaru Airport AWS	30	15.2	4.5	9.9	..	24.5	23	-2.2	6	32	9	..	11	9	..
Albert Burn	1280	7.5	-0.9	3.3	..	13.3	19	-5.7	30	337	25	..	94	2	..
Tara Hills AWS	488	13.7	2.6	8.2	+1.0	21.0	23	-2.9	6	54	13	+16	11	9	..
Wanaka Aero AWS	352	13.3	4.4	8.9	..	20.2	23	-2.6	6	76	16	..	21	27	..
St Bathans, Post Offi	585	13.7	3.8	8.8	..	..	..	..	..	..	..	..	..	..	..
Naseby Forest 2	607	13.7	2.4	8.1	+1.7	22.0	23	-4.5	6	76	11	+35	19	3	..
Windsor EWS	81	15.1	3.7	9.4	..	24.7	23	-3.8	6	36	9	..	11	9	..
Ranfurlly EWS	450	13.4	3.0	8.2	..	21.9	23	-4.5	6	57	10	..	18	3	..
Oamaru AWS	40	15.5	6.0	10.8	..	25.3	23	-1.0	6	37	12	..	14	9	..
Palmerston	21	16.0	4.3	10.2	+1.8	25.4	23	-3.3	6	47	9	+1	15	9	123
Middlemarch EWS	213	15.2	3.6	9.4	..	23.9	23	-4.4	6	30	10	..	11	9	140
Swampy Summit AWS	722	11.6	3.7	7.7	..	..	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	1	15.7	4.6	10.2	+1.6	24.5	23	-3.8	7	43	13	-5	18	9	..
Dunedin, Musselburgh	4	14.8	6.6	10.7	+1.4	25.6	23	-0.7	6	61	9	+8	23	9	147
Murchison Mtns EWS	1140	5.5	-0.4	2.6	..	11.8	6	-4.9	5	384	26	..	85	23	..
Manapouri, West Arm J	178	11.1	4.4	7.8	..	16.3	22	-3.4	6	404	22	..	62	23	..
Manapouri Aero AWS	209	13.2	4.1	8.7	..	19.2	23	-4.2	6	152	19	..	26	23	..
Queenstown	329	14.2	4.7	9.5	+0.9	21.0	15	-0.7	6	129	18	+60	27	23	117
Queenstown Aero AWS	354	13.1	3.4	8.3	+0.9	20.9	23	-3.9	6	117	17	+65	25	27	..
Lumsden AWS	187	13.4	4.0	8.7	+0.8	21.8	23	-4.1	6	107	20	..	17	17	..
Cromwell EWS	213	15.6	6.1	10.9	..	24.1	23	-3.2	6	50	13	..	14	9	171
Lauder EWS	375	13.6	4.4	9.0	..	21.7	23	-3.6	28	47	11	..	11	3	..

Summary of the records of Temperature, Rainfall and Sunshine September 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		
Ophir 2	305	14.3	3.1	8.7	..	22.2	23	-5.5	6	49	10	..	14	9	..
Alexandra	150	16.4	3.6	10.0	..	25.8	23	-5.5	6	45	15	..	14	9	145
Clyde EWS	171	15.2	4.7	10.0	+1.4	23.4	23	-4.0	6	47	14	..	13	9	..
Ettrick No.2	91	15.3	3.1	9.2	+0.6	23.4	23	-5.8	7	56	11	..	15	9	..
Winton	44	14.4	5.2	9.8	+1.3	23.0	23	-2.0	5	122	17	+59	22	9	122
Gore AWS	123	13.3	5.3	9.3	+1.1	20.9	23	-2.2	6	99	18	+38	20	29	..
Thornbury	20	14.8	5.4	10.1	..	24.0	23	-2.2	6	126	15	..	25	10	..
Invercargill Aero		13.9	5.1	9.5	+1.2	21.4	23	-3.5	6	127	19	+47	23	10	128
Invercargill Aero AWS	1	13.6	5.0	9.3	..	21.4	23	-3.3	5	117	19	..	20	10	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	125	18	..	22	10	134
Tiwai Point EWS	5	12.9	6.1	9.5	+0.6	20.5	23	-0.4	6	132	19	+50	24	10	..
Balclutha, Telford Ew	11	..	..	..	..	..	..	..	..	63	17	..	29	9	165
Nugget Point AWS	129	13.2	6.4	9.8	+1.4	23.9	23	2.1	5	83	19	..	28	9	..
Tautuku	25	15.2	4.9	10.1	+1.7	24.0	23	-1.0	6	149	16	+53	36	9	..
South West Cape AWS	101	11.8	7.3	9.6	..	17.8	16	3.6	4	176	24	..	24	9	..
Vanuatu,Sola	13	30.2	23.7	27.0	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	..	22.6	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	..	23.2	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	29.6	20.4	25.0	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	27.9	18.8	23.4	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	26.8	19.5	23.2	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	26.1	17.9	22.0	..	29.6	7	14.0	20	32	6	..	14	25	..
New Cal, Oulop	7	27.1	20.2	23.7	..	29.3	8	14.5	19	4	12	..	1	12	..
New Cal, Ouanaham	29	25.8	18.4	22.1	..	29.5	8	9.8	19	53	13	..	22	26	..
New Cal, Poinoimie	13	26.1	19.4	22.8	..	29.4	27	15.4	20	229	20	..	106	25	..
New Cal, La Roche	42	25.2	16.1	20.7	..	28.1	8	..	..	11	18	..	4	26	..
New Cal, La Tontouta	14	27.3	15.8	21.6	..	32.9	7	11.4	17	53	14	..	16	26	..
New Cal, Nouma	72	24.9	18.8	21.9	..	29.2	6	15.8	17	74	13	..	22	12	..
New Cal, Moue	97	23.8	17.5	20.7	..	27.4	8	12.9	18	175	18	..	61	26	..
Kiribati,Tarawa	2	31.6	26.5	29.1	..	..	..	..	..	12	..	..	..	..	..
Tuvalu,Nui Is	2	..	25.3	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	..	26.6	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	24.1	..	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	29.9	24.5	27.2	..	31.0	29	..	..	215	..	..	..	..	..
Fiji, Nambowalu	36	28.2	22.7	25.5	..	29.7	13	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.4	20.7	25.1	..	..	..	16.3	16	55	..	..	..	..	..
Fiji, Nadi EWS	15	29.6	20.7	25.2	..	31.8	3	16.4	16	53	6	..	30	14	..
Fiji,Nausori Aero	6	27.7	20.7	24.2	..	29.7	11	15.5	17	98	..	..	..	..	..
Fiji, Vunisea	33	27.6	21.3	24.5	..	29.5	10	..	..	..	..	..	..	..	..
Kiribati, Kanton Isl	2	..	24.7	..	..	..	..	..	..	63	..	..	..	..	..
Wallis Island, Hihifo	27	30.0	25.0	27.5	..	..	..	..	..	..	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.5	24.4	27.0	..	..	..	21.5	14	247	23	..	58	13	..
Samoa,Faleolo	4	30.8	22.7	26.8	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.3	24.2	26.8	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.5	25.4	27.5	..	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	29.3	23.1	26.2	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	26.4	21.2	23.8	..	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	..	21.7	..	..	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	26.5	19.5	23.0	..	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport	59	26.5	20.9	23.7	..	..	..	15.8	30	137	20	..	46	2	..
CI Rarotonga Aero	7	26.2	21.2	23.7	..	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	26.0	21.1	23.6	..	29.0	22	18.8	27	111	14	..	57	28	..
Hiva Hoa, Atuona	51	29.3	23.3	26.3	..	30.9	14	21.6	14	153	27	..	28	25	..
Tahiti - Faaa	1	28.5	22.1	25.3	..	29.7	24	20.3	19	15	7	..	6	6	..
Tuamotu, Takaroa	2	28.6	24.5	26.6	..	29.9	16	22.8	6	49	12	..	15	11	..
Tuamotu, Hao	3	27.1	22.4	24.8	..	28.7	24	20.1	3	..	..	..	..	..	..
Tuamotu, Hereheretue	3	26.2	21.5	23.9	..	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	22.8	18.7	20.8	..	26.2	29	16.7	2	64	20	..	14	12	..
Tubuai	2	24.0	19.6	21.8	..	27.1	30	16.6	3	26	19	..	10	25	..
Rapa	1	20.6	16.9	18.8	..	24.0	25	12.6	3	60	19	..	19	26	..
Raoul Island AWS	49	19.4	14.5	17.0	..	21.3	28	11.0	24	277	21	..	55	7	..
Enderby Is AWS	40	9.0	5.6	7.3	..	10.7	14	1.1	23	141	26	..	46	22	..
Campbell Island AWS	19	8.1	4.4	6.3	+0.6	12.2	1	-2.0	18	125	27	+12	25	22	..

Summary of the records of Temperature, Rainfall and Sunshine September 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 Islands AWS	48	12.4	8.2	10.3	+0.9	15.0	30	4.9	21	63	20	-10	22	5	..
Chatham Island EWS	14	13.6	7.8	10.7	..	16.7	30	0.7	23	71	15	..	28	28	..
Georg Von Neumayer	40	-22.4	-34.2	-28.3	..	-6.8	3	-43.1	12	..	..	..	..	..	..
Ant South Pole	2800	-49.9	-57.5	-53.7	..	-33.7	4	-67.7	17	..	..	..	..	..	..
Halley Bay	30	-22.5	-31.2	-26.9	..	-16.3	2	-37.4	20	..	..	..	..	..	..
Gen Belgrano 2	32	-12.4	-21.4	-16.9	..	0.5	6	-34.1	16	..	..	..	..	..	..
Base Jubany	4	2.8	-2.5	0.2	..	14.8	11	-8.8	1	..	..	..	..	..	..
Dinamet	10	0.1	-2.5	-1.2	..	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	2.5	-5.0	-1.3	..	7.2	23	-12.4	4	..	..	..	..	..	..
Eduardo Frei	10	-0.8	-2.7	-1.8	..	..	..	-8.9	4	..	..	..	..	..	..
Arturo Prat		0.2	-3.3	-1.6	..	..	..	-12.0	4	..	..	..	..	..	..
Bernado Ohiggins	10	-0.8	-3.1	-2.0	..	..	..	-9.0	5	..	..	..	..	..	..
Rothera Point	16	0.0	-4.3	-2.2	..	3.8	21	-16.6	2	..	..	..	..	..	..
Argentine Is, Faraday	11	-0.7	-5.0	-2.9	..	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	1.7	..	..	..	6.0	11	..	..	..	..	..	..	..	..
King Sejong	11	1.0	-1.9	-0.5	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-13.0	-18.2	-15.6	..	-3.9	3	-27.5	15	..	..	..	..	..	..
Mawson	16	-15.0	-23.3	-19.2	..	-6.0	2	-33.0	1	..	..	..	..	..	..
Davis	13	-16.5	-26.5	-21.5	..	..	..	-39.1	1	..	..	..	..	..	..
Vostok	3420	-62.9	-71.3	-67.1	..	-49.8	30	-79.2	20	..	..	..	..	..	..
Casey	41	-10.9	-18.6	-14.8	..	-1.5	22	-25.4	3	..	..	..	..	..	..
Durmont Durville	43	-12.2	-17.0	-14.6	..	-2.9	21	-21.8	25	..	..	..	..	..	..
Mcmurdo	24	-14.9	-24.8	-19.9	..	..	..	..	..	..	..	..	..	..	..
Ant Scott Base	16	-15.5	-28.4	-22.0	..	-7.6	12	-48.1	4	..	..	..	..	..	..
Ant Arrival Heights E	185	-16.5	-25.5	-21.0	..	-10.0	12	-37.7	1	..	..	..	..	..	..
Ant Scott Base EWS	16	-16.2	-28.5	-22.4	..	-8.2	12	-48.1	4	..	..	..	..	..	..
Darwin Airport	31	33.3	23.2	28.3	..	37.0	10	..	..	5	1	..	5	23	..
Hobart Airport	4	16.6	6.5	11.6	..	22.8	25	..	..	..	..	..	..	..	..
Late returns and corrections for August 2008															
Kerikeri EWS	79	16.2	7.1	11.7	+0.1	18.9	8	-0.3	11	215	26	+28	73	23	..
Tiri Tiri Lighthouse	76	14.0	9.6	11.8	+0.1	16.0	22	5.1	10	117	25	+16	12	23	..
Whakamarama 1	392	11.5	5.7	8.6	-0.1	15.0	29	-0.1	10	346	25	+70	55	24	138
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	211
Ruakura 2 EWS	45	14.3	5.3	9.8	..	17.8	25	-3.0	10	173	21	..	22	11	145
Te Kuiti EWS	62	14.5	5.4	10.0	..	18.6	26	..	..	180	24	..	18	2	135
Masterton, Te Ore Ore	110	13.0	3.8	8.4	..	16.5	7	-4.4	..	197	..	..	36	24	..
Martinborough EWS	20	12.7	4.3	8.5	..	16.6	31	-4.0	21	102	19	..	18	14	130
Arapito EWS	18	12.6	4.2	8.4	..	17.3	25	-1.7	10	239	21	..	39	3	..
Pelorus Sd, Crail Bay	13	..	..	..	..	15.8	..	0.2	10	236	..	+91	..	..	..
Christchurch Gardens	7	11.0	2.7	6.9	-0.8	18.8	22	-2.5	11	90	16	+21	25	24	..
Waimate	64	11.1	1.0	6.1	-1.0	15.6	22	-5.6	..	47	..	-6	21	24	..
Balclutha, Finegand	6	10.2	1.6	5.9	-0.7	15.5	31	-3.1	10	78	18	+34	17	12	127
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	..	..	..	..	..
Niue, Hanan Airport	59	27.0	18.9	23.0	..	29.3	16	12.8	10	46	14	..	27	31	248
Late returns and corrections for July 2008															
Kerikeri EWS	79	15.7	7.6	11.7	+0.4	19.3	3	1.1	10	284	27	+109	67	29	..
Tiri Tiri Lighthouse	76	14.5	10.0	12.3	+0.8	16.6	2	..	..	164	..	+51	39	29	..
Masterton, Te Ore Ore	110	12.5	3.1	7.8	..	18.5	..	-3.0	7	177	..	..	47	30	..
Arapito EWS	18	12.8	3.3	8.1	..	16.5	19	-1.8	6	269	21	..	56	4	..
Niue, Hanan Airport	59	25.4	17.4	21.4	..	27.5	29	10.6	25	26	9	..	17	6	201
Late returns and corrections for June 2008															
Kerikeri EWS	79	17.2	9.1	13.2	+1.3	20.1	1	2.5	5	127	20	-43	19	7	..
Tiri Tiri Lighthouse	76	15.4	11.5	13.5	+1.3	17.8	1	7.9	29	156	21	+46	38	16	..
Arapito EWS	18	13.3	4.1	8.7	..	18.6	16	0.0	20	233	15	..	44	27	..
Niue, Hanan Airport	59	26.4	20.2	23.3	..	28.2	29	15.6	26	167	19	..	36	5	..
Late returns and corrections for May 2008															
Tiri Tiri Lighthouse	76	16.2	12.3	14.3	+0.0	20.0	5	10.2	29	73	20	-4	30	4	..
Arapito EWS	18	15.8	4.4	10.1	..	19.0	10	-0.3	3	39	7	..	14	2	..

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		mm		mm	mm			
Niue, Hanan Airport	59	27.4	21.1	24.3	..	29.2	3	15.0	19	282	25	..	100	14	124
Late returns and corrections for April 2008															
Tiri Tiri Lighthouse	76	19.6	15.4	17.5	+0.8	22.2	1	11.2	20	85	15	+4	28	15	..
Waiouru AWS	820	15.5	6.1	10.8	..	22.1	16	-2.3	21	138	16	+54	41	15	..
Arapito EWS	18	19.3	8.7	14.0	..	22.9	15	1.0	20	127	15	..	40	4	..
Niue, Vaipapahi	59	..	22.6	..	..	..	..	19.5	1	140	16	..	26	10	..
Niue, Hanan Airport	59	28.2	19.8	24.0	..	31.2	4	15.5	17	220	20	..	83	12	232
Late returns and corrections for March 2008															
Arapito EWS	18	21.0	10.8	15.9	..	24.1	22	7.3	11	186	14	..	90	1	..
Niue, Vaipapahi	59	..	22.3	..	..	..	..	18.5	29	412	24	..	90	28	..
Niue, Hanan Airport	59	29.1	21.1	25.1	..	30.6	14	15.8	31	327	23	..	100	28	..
Late returns and corrections for February 2008															
Niue, Vaipapahi	59	..	22.8	..	..	..	..	20.5	2	144	17	..	27	22	..
Niue, Hanan Airport	59	29.3	21.2	25.3	..	30.3	9	18.0	15	269	23	..	47	5	193
Late returns and corrections for January 2008															
Niue, Vaipapahi	59	..	22.1	..	..	..	..	19.0	1	398	24	..	100	18	..
Niue, Hanan Airport	59	28.3	22.2	25.3	..	30.2	15	20.4	7	405	25	..	94	18	127
Late returns and corrections for December 2007															
Niue, Vaipapahi	59	..	22.4	..	..	..	..	19.5	28	251	19	..	62	20	..
Late returns and corrections for September 2007															
Kawerau	42	17.4	6.8	12.1	..	..	..	..	..	..	..	..	..	..	..

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.