

OCTOBER 2009

Summary of the records of Temperature, Rainfall and Sunshine October 2009

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	16.0	11.0	13.5	..	17.7	16	8.6	6	81	19	+15	38	4	..
Kaitaia Aero EWS	80	17.1	10.2	13.7	..	20.4	17	5.3	12	80	18	..	16	4	..
Kaitaia Observatory	85	17.1	9.7	13.4	..	19.0	16	4.9	12	103	20	+13	24	26	224
Kaitaia EWS	85	15.4	8.7	12.1	-2.2	17.5	17	3.5	12	98	19	..	23	26	200
Kerikeri EWS	79	18.6	9.0	13.8	-0.4	22.6	17	4.1	12	119	16	-15	61	4	..
Kerikeri Aerodrome Aw	150	18.0	9.0	13.5	..	22.3	17	4.7	6	73	18	..	23	4	..
Kaikohe AWS	204	17.2	10.5	13.9	+0.6	21.1	17	6.4	6	69	28	-40	9	15	..
Trounson Cws	220	15.2	8.6	11.9	..	19.6	17	2.2	12	166	23	..	26	15	..
Dargaville 2 EWS	66	15.8	9.9	12.9	..	19.7	17	5.2	12	86	20	..	28	14	170
Purerua AWS	82	17.3	10.0	13.7	..	19.8	22	5.8	6	66	16	..	26	4	..
Whangarei Aero AWS	37	18.3	10.1	14.2	-0.4	24.3	17	5.4	30	61	21	-42	12	15	..
Mokohinau AWS	60	16.3	12.1	14.2	..	17.7	22	8.2	6	57	13	-22	24	4	..
Warkworth EWS	72	16.5	8.5	12.5	..	21.1	17	2.4	30	102	20	-4	18	14	..
Whangaparaoa AWS	89	16.9	10.1	13.5	..	20.5	16	5.9	5	82	17	..	20	14	..
Kumeu Ews, Auckland R	16	16.6	8.2	12.4	..	20.7	17	2.6	31	102	14	..	26	14	..
Whenuapai AWS	26	16.8	8.9	12.9	..	21.3	17	3.4	31	..	..	..	..	..	..
North Shore, Auckland	20	16.0	7.6	11.8	..	..	..	..	..	..	..	..	..	..	..
Henderson, River Pk	7	17.9	9.1	13.5	-0.8	22.1	17	2.8	30	108	20	-2	39	14	..
Henderson, Auckland R	35	17.4	10.5	14.0	..	22.3	17	5.5	30	..	..	..	..	..	..
Lincoln Rd, Auckland	25	19.1	7.4	13.3	..	23.5	17	2.6	5	..	..	..	..	..	..
Khyber Pass, Auckland	81	16.5	10.1	13.3	..	19.6	16	5.3	5	99	17	..	28	14	..
Musick Pt Ews, Auckla	18	17.8	9.4	13.6	..	34.8	12	4.7	5	..	..	..	..	..	..
Onehunga, Auckland Re	5	16.9	11.0	14.0	-0.5	20.8	17	5.9	11	..	..	..	..	..	..
Waiheke Island, Awaro	34	17.2	8.0	12.6	..	21.2	16	2.5	9	107	16	+18	23	15	..
Whitianga Aero AWS	5	17.5	..	..	..	..	..	..	..	105	17	-22	27	15	..
Thames 2	3	17.7	9.0	13.4	-1.0	21.5	17	2.4	30	112	16	+23	20	14	183
Paeroa AWS	18	17.4	7.9	12.7	-1.3	20.8	16	0.6	11	115	16	+24	18	5	..
Toenepi EWS	48	17.0	7.9	12.5	..	20.8	17	1.3	11	115	15	..	21	5	..
Matamata, Hinuera EWS	106	16.6	6.2	11.4	..	20.0	17	-0.5	11	137	17	..	34	4	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	214
Tauranga Aero AWS	4	17.7	9.3	13.5	-0.3	21.6	28	3.4	7	152	17	+62	29	5	..
Te Puke EWS	91	17.4	7.5	12.5	..	21.8	28	0.9	11	148	14	+7	28	9	..
Whakatane Aero AWS	7	17.2	7.5	12.4	-1.2	20.6	1	1.8	30	143	16	+50	30	4	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	218
White Island	310	14.6	8.9	11.8	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	18.6	7.2	12.9	..	22.7	28	0.5	11	..	..	..	..	..	195
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	205
Rotorua Aero AWS	283	15.1	6.5	10.8	-1.4	19.0	28	-0.2	11	127	18	+13	34	4	..
Tarapounamu EWS	701	11.0	3.2	7.1	..	15.6	28	-1.5	7	208	22	..	46	4	..
Taupo AWS	400	14.2	5.2	9.7	-1.8	18.9	17	-2.3	24	109	13	..	32	4	..
Opotiki	5	17.1	6.7	11.9	-1.5	21.6	28	0.2	7	137	16	+41	42	4	..
Motu EWS	488	13.4	4.5	9.0	..	17.5	26	-2.8	7	252	21	..	89	4	..
Mangere EWS	5	16.1	9.5	12.8	..	20.3	17	3.3	11	104	18	..	27	14	175
Wiri, Auckland Region	18	16.4	10.3	13.4	-0.5	20.2	17	4.6	11	..	..	..	..	..	..
Pakuranga, Auckland R	15	17.4	7.6	12.5	..	20.7	16	2.2	11	..	..	..	..	..	..
Penrose Ews, Auckland	30	19.3	10.7	15.0	..	26.5	16	..	..	..	..	..	..	..	..
Auckland Aero	33	16.7	10.2	13.5	-0.9	20.3	16	4.9	30	91	19	+7	25	14	..
Ardmore	23	18.3	6.5	12.4	-1.1	21.5	19	..	..	94	20	-2	36	14	..
Pukekohe EWS	88	15.6	7.4	11.5	-2.0	..	..	..	..	140	18	..	38	14	..
Whatawhata 2 EWS	118	16.0	7.9	12.0	..	20.7	17	1.6	11	172	19	..	30	4	..
Hamilton, Ruakura 2 E	45	16.5	7.4	12.0	..	20.6	17	1.2	21	134	15	..	27	4	178
Hamilton AWS	53	16.8	7.5	12.2	-0.7	20.6	17	1.9	11	163	18	+67	23	4	..
Port Taharoa AWS	27	16.1	9.4	12.8	-1.4	21.3	17	3.5	30	150	18	..	26	5	..
Waikeria	46	16.9	6.4	11.7	-1.3	21.0	17	-0.5	11	138	14	+36	40	4	..
Te Kuiti EWS	62	16.1	6.8	11.5	..	21.0	17	0.5	11	167	18	..	31	4	170
Pureora Forest Cws	549	12.6	4.0	8.3	..	16.9	17	-3.0	11	166	19	..	35	4	..
Taumarunui	171	15.3	6.3	10.8	-1.9	19.6	17	1.0	7	209	28	+64	30	9	..
Taumarunui AWS	195	15.5	5.9	10.7	..	20.2	17	-0.7	11	219	26	..	39	9	167
Turangi 2 EWS	350	14.7	5.3	10.0	..	18.9	28	-2.1	21	172	15	..	35	9	179
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	172
New Plymouth AWS	30	15.3	8.1	11.7	-1.0	17.9	16	1.7	11	121	20	-10	28	9	..
Lower Retaruke	219	14.9	6.0	10.5	-1.6	19.5	28	-0.4	21	262	22	+114	55	9	..
Mt Ruapehu, Chateau E	1097	9.4	1.0	5.2	-1.3	14.6	28	-4.1	8	230	19	-30	44	15	..

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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		
Alfredton EWS	240	14.8	6.3	10.6	..	19.8	17	-2.7	21	140	22	..	23	26	..
Masterton Aero AWS	138	15.0	5.0	10.0	..	21.0	26	-1.0	21	141	24	..	18	17	..
Masterton, Te Ore Ore	110	15.9	4.7	10.3	..	..	..	-1.4	21	121	19	..	16	9	..
Kopua	311	14.3	6.1	10.2	-1.4	19.5	17	0.9	21	169	19	+85	44	4	..
Takapau Plains AWS	330	13.6	5.6	9.6	..	19.1	17	-0.4	21	175	21	..	48	4	..
Dannevirke EWS	207	12.7	5.3	9.0	..	18.5	26	-2.3	21	207	19	..	48	4	156
Waione EWS	48	16.7	7.3	12.0	..	24.3	26	-1.3	21	156	23	..	38	4	..
Cape Turnagain AWS	292	11.6	7.2	9.4	..	16.0	15	4.0	5	..	..	..	..	..	..
Castlepoint Station	9	15.2	8.9	12.1	..	20.0	17	4.0	25	152	15	+82	29	9	..
Castlepoint AWS	120	13.6	8.0	10.8	-2.5	18.7	17	4.4	21	151	18	..	29	9	..
Baring Head	79	12.5	7.8	10.2	..	16.1	28	3.5	21	99	17	..	28	17	..
East Taratahi AWS	91	15.2	5.6	10.4	-1.6	20.5	26	-0.2	21	126	21	..	20	17	..
Te Wharau, Brackenfe	292	13.1	4.3	8.7	..	18.4	26	-1.2	22	177	20	..	26	9	..
Martinborough EWS	20	15.2	6.5	10.9	..	20.3	15	0.0	21	96	18	..	21	17	158
Ngawi AWS	6	14.7	8.5	11.6	..	20.4	15	5.4	21	112	20	..	20	15	..
Hicks Bay AWS	46	16.2	9.9	13.1	-0.7	..	..	..	..	204	16	..	85	4	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	219
Gisborne AWS	5	17.0	8.3	12.7	-1.2	22.3	17	2.5	8	152	15	+95	62	4	..
Napier Aero AWS	3	16.2	7.6	11.9	-1.7	23.0	17	1.7	24	141	14	+86	56	4	..
Napier Nelson Pk	2	17.3	8.1	12.7	-1.6	24.6	17	1.1	21	152	14	+97	67	4	195
Hastings AWS	16	17.0	6.9	12.0	..	23.8	17	1.1	8	126	19	..	50	4	..
Whakatu EWS	5	16.4	6.4	11.4	..	23.8	17	0.3	24	118	13	..	52	4	..
Waipawa EWS	130	15.4	5.1	10.3	..	21.4	17	-1.0	21	133	15	..	43	4	188
Wairoa, North Clyde E	15	16.6	7.7	12.2	-1.7	23.0	17	2.3	21	..	..	..	..	..	..
Mahia AWS	136	14.4	8.6	11.5	-1.8	20.6	3	5.3	30	128	15	..	28	5	..
Paraparaumu Aero	5	14.4	8.5	11.5	-0.9	18.1	17	2.0	21	148	19	+43	30	15	163
Paraparaumu Aero AWS	5	14.2	8.4	11.3	-1.0	17.9	17	2.1	21	147	19	..	29	15	166
Ohakea AWS	50	15.1	8.0	11.6	..	21.0	17	4.0	11	..	..	..	..	..	..
Palmerston North AWS	39	15.3	6.8	11.1	-1.2	20.5	26	-0.1	7	134	21	+56	33	26	..
Palmerston North EWS	21	14.8	6.8	10.8	..	19.9	26	-0.3	7	138	19	..	36	26	116
Levin AWS	14	14.8	7.7	11.3	-1.3	19.0	26	1.2	19	100	18	..	23	17	..
Mana Island	2	14.8	8.9	11.9	-0.8	17.7	26	3.4	21	149	18	..	46	15	..
Mana Island AWS	100	12.1	8.2	10.2	..	15.0	17	4.4	21	141	16	..	40	15	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	180
Wellington, Kelburn A	125	13.1	7.7	10.4	..	16.7	26	4.1	21	206	19	..	55	8	..
Wellington Aero	4	14.0	8.5	11.3	-1.6	17.6	26	4.9	28	161	18	+67	48	8	..
Wallaceville EWS	56	14.1	6.5	10.3	..	19.0	26	0.0	21	164	20	+34	31	15	110
Stratford EWS	300	13.1	5.7	9.4	..	17.2	28	1.1	21	189	18	..	42	9	130
Hawera AWS	98	14.0	7.2	10.6	..	17.9	17	1.7	30	122	18	..	19	9	..
Ohakune EWS	607	11.8	4.0	7.9	..	18.1	26	-1.3	21	254	22	..	36	4	140
Waiouru	806	10.4	2.2	6.3	-2.3	16.7	17	-2.8	21	171	24	+81	37	4	..
Waiouru AWS	820	10.0	2.1	6.1	..	15.9	26	-3.5	21	157	26	+62	23	22	..
Taihape Rec	433	13.4	4.7	9.1	-2.1	20.0	26	-1.2	21	105	22	+20	26	4	..
Wanganui,Spriggens Pa	15	15.1	8.7	11.9	-1.4	21.2	17	4.8	31	137	15	+56	35	26	..
Wanganui AWS	8	14.5	8.4	11.5	-1.6	20.8	17	5.3	5	142	19	..	32	9	..
Wanganui 2 AWS	18	15.6	8.4	12.0	..	22.0	17	4.0	31	..	..	..	..	..	..
Takaka,Kotinga 2	25	16.7	5.7	11.2	-0.8	21.0	13	1.8	11	198	19	-8	38	8	..
Takaka EWS	20	16.6	6.1	11.4	..	21.3	28	2.0	11	191	15	..	37	8	189
Farewell Spit AWS	3	16.1	9.2	12.7	-0.2	18.0	28	5.7	6	129	14	..	42	15	..
Westport Aero AWS	2	15.3	6.3	10.8	-1.0	18.4	27	1.4	6	188	15	-16	42	21	..
Arapito	18	15.6	6.2	10.9	-1.1	19.5	15	0.4	5	229	16	-1	50	8	209
Arapito EWS	18	15.2	5.5	10.4	..	19.3	15	-0.5	5	214	16	..	55	8	..
Murchison EWS	185	16.7	3.0	9.9	..	21.1	31	-3.3	5	164	18	-3	55	8	..
Lake Rotoiti EWS	634	14.0	1.6	7.8	..	19.8	31	-4.5	7	159	16	..	43	8	..
Hokitika Aero	39	14.2	5.4	9.8	-1.5	16.4	27	-0.8	5	152	18	-134	32	21	218
Hokitika AWS	38	14.3	5.3	9.8	-1.5	16.6	27	-0.9	5	148	18	..	31	21	..
Reefton EWS	198	16.0	3.6	9.8	-1.6	20.9	31	-1.3	5	137	15	-70	29	8	215
Blackball	35	16.3	3.3	9.8	..	20.5	30	..	..	220	..	..	..	..	..
Greymouth Aero	4	14.7	5.7	10.2	-1.5	17.0	15	1.7	29	144	19	-101	24	21	220
Greymouth Aero EWS	5	14.6	6.6	10.6	..	17.9	27	2.5	29	146	18	..	25	21	233
Pigeon Creek Cws	105	14.4	4.8	9.6	..	19.1	15	-0.2	11	232	18	..	51	1	..
Mahanga EWS	1995	3.7	-5.0	-0.7	..	12.8	31	-10.5	10	133	24	..	24	16	..
Okarito	2	14.6	5.4	10.0	..	17.8	27	0.5	5	145	17	-224	24	21	..

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		A Max	B Min			°C	°C	Max	Date				Min	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs	
Naseby Forest 2	607	13.1	0.9	7.0	-1.6	18.9	31	-4.7	5	57	13	-4	17	26	..
Windsor EWS	81	14.9	3.1	9.0	..	21.6	11	-2.2	5	22	13	..	7	8	..
Ranfurlly EWS	450	14.5	1.5	8.0	..	20.4	31	-5.5	5	34	12	..	13	26	..
Oamaru AWS	40	13.1	4.4	8.8	..	19.5	11	0.1	6	35	15	..	7	17	..
Palmerston	21	13.3	3.5	8.4	-1.8	19.7	21	-2.5	5	32	18	-22	7	16	184
Middlemarch EWS	213	14.0	2.6	8.3	..	19.8	31	-4.5	6	30	14	..	7	26	159
Swampy Summit AWS	722	8.4	1.0	4.7	..	16.0	25	-2.5	4	..	..	..	..	..	..
Dunedin Aero AWS	1	14.0	4.1	9.1	-1.4	19.5	21	-3.3	7	40	18	-25	6	3	..
Dunedin, Musselburgh	4	12.8	6.3	9.6	-1.4	20.7	21	1.0	6	49	15	-22	10	28	152
Murchison Mtns EWS	1140	6.7	-2.2	2.3	..	14.5	31	-6.3	5	153	22	..	25	14	..
Takahe Valley Cws	895	8.0	-0.2	3.9	..	16.3	31	-5.0	5	160	23	..	28	16	..
Manapouri, West Arm J	178	12.6	3.7	8.2	..	21.7	31	-1.5	5	211	20	..	33	1	..
Manapouri Aero AWS	209	13.2	2.9	8.1	..	18.0	31	-2.3	5	69	16	..	11	16	..
Queenstown	329	15.5	4.2	9.9	-1.0	20.9	15	-0.5	5	60	12	-35	26	16	187
Queenstown Aero AWS	354	13.9	2.8	8.4	-1.4	19.0	11	-3.5	5	43	13	-31	13	16	..
Lumsden AWS	187	13.3	3.5	8.4	-1.6	18.2	24	-4.3	5	73	21	..	9	7	..
Cromwell EWS	213	16.9	4.5	10.7	..	23.0	31	-0.5	10	33	8	..	13	16	217
Lauder EWS	375	14.6	2.2	8.4	..	20.3	31	-4.3	5	45	13	..	14	26	..
Ophir 2	305	15.2	0.9	8.1	..	..	..	-5.7	5	54	11	..	11	17	..
Alexandra	150	17.8	3.0	10.4	..	..	..	..	..	..	..	..	..	..	..
Clyde EWS	171	16.0	2.9	9.5	-1.7	21.7	11	-1.4	7	29	13	..	9	16	..
Alexandra Cws	140	16.4	3.6	10.0	..	21.9	12	-1.4	7	42	15	..	13	17	..
Ettrick No.2	91	14.6	3.0	8.8	-1.8	19.0	12	-3.6	5	38	15	..	6	26	..
Tapanui	180	13.7	3.7	8.7	-1.2	18.8	24	-2.9	5	69	..	-14	..	..	..
Waitutu Cws	30	13.2	4.4	8.8	..	18.2	13	-1.3	5	170	24	..	19	28	..
Winton	44	13.6	4.5	9.1	-1.1	18.2	24	-1.7	5	65	18	-11	10	25	160
Gore AWS	123	12.1	4.4	8.3	-1.7	17.1	21	-0.4	5	64	21	-19	9	25	..
Invercargill Aero		12.9	4.7	8.8	-1.2	17.9	21	-1.3	5	65	20	-30	19	25	174
Invercargill Aero AWS	1	12.9	4.9	8.9	..	18.1	21	-1.4	5	70	19	..	16	25	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	67	19	..	17	25	155
Tiwai Point EWS	5	12.3	6.3	9.3	-1.1	16.4	21	0.7	5	80	17	-16	15	25	..
Balclutha, Telford Ew	11	13.0	4.8	8.9	..	18.8	21	-0.6	7	40	19	..	11	3	181
Nugget Point AWS	129	12.1	5.5	8.8	-1.0	18.3	21	2.1	4	63	22	..	10	19	..
Tautuku	25	12.9	5.2	9.1	-0.9	20.0	21	0.0	6	116	19	-1	26	19	..
South West Cape AWS	101	11.5	6.0	8.8	..	14.8	18	3.0	4	86	28	..	10	14	..
Solomon, Honiara	56	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.3	..	..	..	..	..	..	..	..	..	..	..	..	..
Nauru Upper Air	6	31.3	26.3	28.8	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	24.0	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	28.9	22.0	25.5	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	29.8	..	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	30.9	17.6	24.3	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	..	18.1	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	18.9	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	27.4	18.1	22.8	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	27.7	19.7	23.7	..	30.1	17	..	..	1	4	..	0	10	..
New Cal, Ouanaham	29	26.6	16.9	21.8	..	29.5	15	8.9	12	12	11	..	6	22	..
New Cal, Poinoimie	13	26.4	18.9	22.7	..	29.5	9	..	..	40	16	..	10	6	..
New Cal, La Roche	42	25.7	14.8	20.3	..	28.0	17	7.5	13	46	16	..	13	6	..
New Cal, La Tontouta	14	27.9	15.7	21.8	..	..	..	..	..	..	..	..	..	..	..
New Cal, Nouma	72	25.5	19.1	22.3	..	28.6	16	16.1	12	23	10	..	7	8	..
New Cal, Moue	97	24.8	17.5	21.2	..	27.6	4	13.2	13	50	10	..	36	8	..
New Cal, Matthew	27	23.4	20.4	21.9	..	26.7	17	18.7	23	..	..	..	..	..	..
Kiribati,Tarawa	2	32.0	26.0	29.0	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	24.6	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	25.5	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	..	26.7	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.7	..	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	29.0	24.6	26.8	..	30.6	11	23.1	26	..	..	..	..	..	..
Fiji, Nambowalu	36	26.5	22.3	24.4	..	31.0	10	20.7	10	..	..	..	..	..	..
Fiji,Nadi Aero	15	28.4	20.1	24.3	..	30.9	10	15.7	3	..	..	..	..	..	..
Fiji, Nadi EWS	15	28.4	20.2	24.3	..	31.0	10	15.7	3	64	5	..	41	10	..
Fiji,Nausori Aero	6	26.5	19.8	23.2	..	..	..	15.0	3	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine October 2009

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		
Fiji, Vunisea	33	26.0	20.6	23.3	..	..	..	15.9	2	..	..	..	..	..
Kiribati, Kanton Isl	2	..	25.8	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.3	24.5	27.4	..	..	..	..	..	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.5	24.2	26.9	..	31.8	10	22.6	1	154	11	..	88	30	
Samoa,Faleolo	4	29.9	23.1	26.5	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.2	23.7	27.0	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.5	25.2	27.4	..	31.6	11	22.2	2	192	20	..	70	13	
Tonga, Queen Lavinia	60	..	21.8	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	26.4	17.6	22.0	..	..	..	11.7	29	..	..	..	..	..
Salote Pilolevu Airpo	2	26.8	20.9	23.9	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	25.3	18.7	22.0	..	..	..	13.1	28	..	..	..	..	..
Niue, Hanan Airport	59	27.1	20.4	23.8	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	25.6	20.2	22.9	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	25.7	19.9	22.8	..	27.4	4	16.2	18	115	8	..	66	2	
Hiva Hoa, Atuona	51	30.1	23.4	26.8	..	32.6	27	21.7	11	..	..	..	..	..
Tahiti - Faaa	1	29.9	23.8	26.9	..	31.5	13	..	..	..	..	..	..	..
Tuamotu, Takaroa	2	29.5	25.0	27.3	..	32.0	28	..	..	..	..	..	..	..
Tuamotu, Hao	3	27.5	23.6	25.6	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	27.4	22.2	24.8	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	24.1	19.6	21.9	..	26.1	11	..	..	..	..	..	..	..
Tubuai	2	24.5	19.2	21.9	..	..	..	..	..	..	..	..	..	..
Rapa	1	21.3	17.1	19.2	..	22.9	23	..	..	..	..	..	..	..
Raoul Island AWS	49	20.6	13.9	17.3	..	..	..	..	..	33	13	..	8	27
Enderby Is AWS	40	9.2	4.4	6.8	..	11.3	24	1.7	4	62	29	..	12	24	
Campbell Island AWS	19	8.2	3.0	5.6	-0.7	10.1	24	-2.6	14	100	28	-10	7	14	
Chatham Island EWS	14	13.7	7.2	10.5	..	16.5	15	0.3	22	54	20	..	15	5	
Georg Von Neumayer	40	-11.6	-18.3	-15.0	..	-4.2	16	-31.0	6	..	..	..	..	..
Ant South Pole	2800	-47.5	-53.6	-50.6	..	-34.7	19	-67.0	4	..	..	..	..	..
Halley Bay	30	-13.2	-22.6	-17.9	..	..	..	..	..	..	..	..	..	..
Gen Belgrano 2	32	-7.5	-15.8	-11.7	..	-2.4	18	-24.4	10	..	..	..	..	..
Base Jubany	4	-0.2	-4.3	-2.3	..	6.0	9	-9.5	22	..	..	..	..	..
Dinamet	10	-1.2	-3.8	-2.5	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	-5.4	-11.7	-8.6	..	5.5	8	-21.0	4	..	..	..	..	..
Eduardo Frei	10	-1.8	-4.1	-3.0	..	..	..	..	..	..	..	..	..	..
Arturo Prat		-1.9	-4.8	-3.4	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-3.3	-5.2	-4.3	..	..	..	..	..	..	..	..	..	..
Rothera Point	16	-3.7	-7.9	-5.8	..	4.0	9	-15.0	18	..	..	..	..	..
Gen San Martin	4	-2.0	..	..	..	7.0	9	..	..	..	..	..	..	..
King Sejong	11	..	-4.2	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-10.6	-16.1	-13.4	..	-3.9	28	-26.5	7	..	..	..	..	..
Mawson	16	-8.7	-16.5	-12.6	..	-2.5	31	..	..	..	..	..	..	..
Davis	13	-8.3	-16.5	-12.4	..	..	..	..	..	..	..	..	..	..
Progress	64	-9.3	-14.9	-12.1	..	..	..	-23.5	8	..	..	..	..	..
Vostok	3420	-51.7	-62.8	-57.3	..	..	..	..	..	..	..	..	..	..
Casey	41	-6.1	-13.8	-10.0	..	-1.4	21	..	..	..	..	..	..	..
Wilkins Runway East	755	-10.9	-19.2	-15.1	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	-10.3	-17.1	-13.7	..	..	..	..	..	..	..	..	..	..
Mcmurdo	24	-15.0	-22.9	-19.0	..	-7.7	31	-37.4	3	..	..	..	..	..
Ant Scott Base	16	-17.2	-28.4	-22.8	..	-9.0	10	-40.0	3	..	..	..	..	..
Ant Arrival Heights E	185	-16.8	-25.4	-21.1	..	-10.8	31	-40.8	3	..	..	..	..	..
Ant Scott Base EWS	16	-17.8	-28.2	-23.0	..	-9.7	10	-39.7	3	..	..	..	..	..
Darwin Airport	31	34.8	16.0	25.4	..	38.0	18	10.1	26	35	7	..	19	4	
Hobart Airport	4	20.7	8.1	14.4	..	33.4	11	3.2	4	..	..	..	..	..

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		
Christchurch, Kyle St	6	12.6	2.9	7.8	..	23.0	16	-2.6	4	165	17	..	33	10	..
Lauder EWS	375	8.4	0.4	4.4	..	15.9	16	-5.5	28	42	17	..	8	7	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	151	24	..	23	13	93
Fiji, Nadi EWS	15	29.1	21.6	25.4	..	31.1	17	18.9	20	159	13	..	45	24	..
Rarotonga EWS	4	27.8	21.7	24.8	..	31.2	27	17.4	17	45	12	..	15	20	..
Late returns and corrections for April 2009															
Leigh 2	27	20.4	15.6	18.0	+0.8	..	..	..	..	..	..	..	..	..	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	163
Christchurch, Kyle St	6	18.5	6.8	12.7	..	26.4	27	-0.3	21	50	8	..	17	8	..
Lauder EWS	375	17.4	3.5	10.5	..	24.7	16	-3.6	21	28	7	..	10	7	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	28	15	..	13	6	156
Fiji, Nadi EWS	15	30.8	22.6	26.7	..	33.2	11	19.7	5	82	10	..	25	1	..
Rarotonga EWS	4	29.7	23.5	26.6	..	32.8	27	21.2	28	165	20	..	74	27	..
Late returns and corrections for March 2009															
Leigh 2	27	23.1	16.4	19.8	+0.7	33.2	7	12.5	24	45	13	-60	19	5	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	218
Christchurch, Kyle St	6	20.4	8.7	14.6	..	28.2	7	1.7	24	22	9	..	6	21	..
Lauder EWS	375	19.8	7.1	13.5	..	26.1	4	-2.0	23	4	4	..	2	10	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	79	20	..	16	10	165
Rarotonga EWS	4	29.6	23.4	26.5	..	32.7	12	20.8	3	229	24	..	34	17	..
Late returns and corrections for February 2009															
Leigh 2	27	25.2	19.2	22.2	+2.3	34.3	21	14.4	25	187	16	+128	48	10	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	181
Christchurch, Kyle St	6	20.7	11.2	16.0	..	35.4	9	4.2	17	65	12	..	20	20	..
Lauder EWS	375	19.9	7.8	13.9	..	29.0	8	1.3	17	55	13	..	10	11	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	67	15	..	16	9	135
Rarotonga EWS	4	30.4	24.4	27.4	..	32.0	18	21.6	23	96	21	..	26	22	..
Late returns and corrections for January 2009															
Leigh 2	27	23.7	17.0	20.4	+1.0	..	..	..	..	..	..	..	..	..	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	255
Christchurch, Kyle St	6	24.7	12.5	18.6	..	36.5	8	7.7	4	23	5	..	14	3	..
Lauder EWS	375	23.5	10.2	16.9	..	31.5	24	2.4	28	24	4	..	12	9	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	139	22	..	25	2	135
Fiji, Nadi EWS	15	30.4	23.6	27.0	..	32.8	26	21.8	27	1097	24	..	279	10	..
Rarotonga EWS	4	29.6	24.0	26.8	..	31.8	15	21.9	30	246	23	..	57	12	..
Late returns and corrections for December 2008															
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	238
Christchurch, Kyle St	6	20.7	10.7	15.7	..	30.5	31	3.4	22	51	10	..	29	20	..
Lauder EWS	375	19.9	8.3	14.1	..	27.4	29	3.8	5	105	11	..	24	20	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	68	18	..	14	7	179
Fiji, Nadi EWS	15	31.2	23.2	27.2	..	33.2	10	20.8	1	260	17	..	52	11	..
Rarotonga EWS	4	28.7	23.2	26.0	..	30.6	14	19.6	12	375	22	..	125	2	..
Late returns and corrections for November 2008															
Leigh 2	27	19.7	13.8	16.8	+0.7	27.0	25	9.4	8	58	13	-16	19	24	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	239
Christchurch, Kyle St	6	20.6	8.5	14.6	..	30.9	15	-2.3	6	8	8	..	3	5	..
Lauder EWS	375	20.1	5.6	12.9	..	28.6	14	-3.4	8	20	5	..	12	25	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	106	21	..	41	4	167
Fiji, Nadi EWS	15	30.7	22.1	26.4	..	33.9	6	19.9	30	196	13	..	69	28	..
Rarotonga EWS	4	29.2	23.5	26.4	..	31.5	19	21.6	16	55	13	..	20	14	..
Late returns and corrections for October 2008															
Leigh 2	27	18.6	12.3	15.5	+0.9	23.5	25	..	..	101	19	+14	25	7	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	202
Christchurch, Kyle St	6	18.4	5.3	11.9	..	27.6	4	0.6	2	25	9	..	15	25	..
Lauder EWS	375	15.9	3.0	9.5	..	22.6	27	-1.9	19	15	5	..	8	6	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	99	20	..	12	3	199

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			°C	°C	°C	Date				Min	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Fiji, Nadi EWS	15	30.1	21.9	26.0	..	32.1	19	14.7	4	65	12	..	35	18	..
Rarotonga EWS	4	27.9	21.6	24.8	..	31.1	29	17.3	10	32	11	..	8	16	..
Late returns and corrections for September 2008															
Leigh 2	27	17.6	11.3	14.5	+1.2	23.0	9	8.2	6	29	19	-76	6	7	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	127
Christchurch, Kyle St	6	16.1	5.0	10.6	..	24.9	16	-1.8	28	40	7	..	16	27	..
Lauder EWS	375	13.6	4.4	9.0	..	21.7	23	-3.6	28	47	11	..	11	3	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	125	18	..	22	10	134
Fiji, Nadi EWS	15	29.6	20.7	25.2	..	31.8	3	16.4	16	53	6	..	30	14	..
Rarotonga EWS	4	26.0	21.1	23.6	..	29.0	22	18.8	27	111	14	..	57	28	..
Late returns and corrections for August 2008															
Leigh 2	27	15.1	9.9	12.5	+0.0	18.0	28	4.0	10	132	26	+11	13	23	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	155
Christchurch, Kyle St	6	11.9	1.5	6.7	..	19.5	22	-4.5	20	95	15	..	27	24	..
Lauder EWS	375	8.7	-0.9	3.9	..	15.2	31	-5.6	10	8	9	..	2	12	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	94	21	..	23	16	141
Fiji, Nadi EWS	15	29.6	20.5	25.1	..	32.2	16	17.8	12	3	3	..	1	20	..
Rarotonga EWS	4	26.2	20.3	23.3	..	30.0	18	14.8	8	29	20	..	9	25	..
Late returns and corrections for July 2008															
Leigh 2	27	15.4	10.1	12.8	+0.4	19.1	30	4.9	6	191	28	+61	46	29	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	98
Christchurch, Kyle St	6	11.4	3.3	7.4	..	17.5	14	..	..	161	19	..	38	30	..
Lauder EWS	375	6.9	-1.4	2.8	..	15.1	11	-5.6	1	26	12	..	6	31	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	53	17	..	10	20	92
Fiji, Nadi EWS	15	28.6	18.5	23.6	..	31.2	30	0.0	2	68	2	..	36	27	..
Rarotonga EWS	4	24.5	18.9	21.7	..	29.5	7	16.1	22	24	5	..	13	5	..
Late returns and corrections for June 2008															
Leigh 2	27	16.4	11.3	13.9	+0.7	19.3	13	7.3	9	150	21	+14	39	16	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	123
Christchurch, Kyle St	6	13.4	2.1	7.8	..	..	..	..	..	92	12	..	50	28	..
Lauder EWS	375	10.4	-0.1	5.2	..	16.3	12	-5.1	8	25	15	..	9	8	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	99	21	..	15	6	89
Fiji, Nadi EWS	15	29.2	21.1	25.2	..	32.2	16	18.7	9	49	8	..	18	14	..
Rarotonga EWS	4	26.1	20.5	23.3	..	28.9	9	15.6	23	27	10	..	11	6	..
Late returns and corrections for May 2008															
Leigh 2	27	17.6	11.9	14.8	-0.3	19.0	9	8.3	13	101	17	+15	27	26	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	144
Christchurch, Kyle St	6	13.4	3.1	8.3	..	20.0	8	-3.0	6	75	8	..	37	2	..
Lauder EWS	375	9.4	-1.1	4.2	..	16.2	18	-5.7	6	48	12	..	18	21	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	81	16	..	26	21	91
Fiji, Nadi EWS	15	28.5	21.1	24.8	..	31.4	3	17.6	29	195	12	..	55	19	..
Rarotonga EWS	4	27.6	21.3	24.5	..	32.1	6	15.6	20	167	16	..	64	28	..
Late returns and corrections for April 2008															
Leigh 2	27	20.4	15.7	18.1	+0.9	22.4	17	11.5	22	92	16	-4	17	13	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	176
Christchurch, Kyle St	6	18.6	8.7	13.7	..	26.7	28	0.9	20	28	12	..	12	1	..
Lauder EWS	375	15.1	1.6	8.4	..	21.8	28	-5.1	20	36	10	..	22	29	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	61	14	..	17	30	118
Fiji, Nadi EWS	15	30.6	22.7	26.7	..	32.3	24	20.8	14	185	12	..	40	3	..
Rarotonga EWS	4	28.9	22.2	25.6	..	32.9	18	18.3	30	153	14	..	51	14	..
Late returns and corrections for March 2008															
Leigh 2	27	22.4	17.2	19.8	+0.7	24.6	16	13.9	6	48	10	-57	21	1	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	216
Christchurch, Kyle St	6	21.7	11.8	16.8	..	28.8	11	6.0	4	20	5	..	10	1	..
Lauder EWS	375	19.8	5.4	12.6	..	29.9	18	-1.6	10	33	4	..	13	21	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	83	16	..	36	1	176

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		mm		mm	mm		Hrs	
Fiji, Nadi EWS	15	30.7	23.0	26.9	..	32.8	11	21.3	31	253	24	..	50	29	..
Rarotonga EWS	4	29.7	23.5	26.6	..	32.1	13	21.2	10	225	18	..	46	1	..
Late returns and corrections for February 2008															
Leigh 2	27	22.8	17.1	20.0	+0.1	24.9	11	13.2	27	54	14	-5	14	22	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	223
Christchurch, Kyle St	6	22.0	13.8	17.9	..	33.6	1	9.5	16	109	9	..	34	11	..
Lauder EWS	375	22.4	8.4	15.4	..	28.5	7	1.9	17	53	7	..	24	14	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	52	15	..	19	29	164
Fiji, Nadi EWS	15	30.4	23.4	26.9	..	32.2	16	21.6	3	517	24	..	108	22	..
Rarotonga EWS	4	29.1	23.3	26.2	..	30.1	10	20.6	18	204	17	..	74	17	..
Late returns and corrections for January 2008															
Leigh 2	27	23.2	17.9	20.6	+1.2	27.0	18	15.0	24	42	6	-32	28	8	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	271
Christchurch, Kyle St	6	23.4	14.3	18.9	..	34.5	12	7.6	11	10	6	..	6	22	..
Lauder EWS	375	25.3	9.7	17.5	..	31.4	20	3.4	11	45	4	..	33	22	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	84	13	..	27	2	278
Fiji, Nadi EWS	15	30.5	23.5	27.0	..	33.9	12	20.8	26	530	22	..	99	29	..
Rarotonga EWS	4	27.9	23.4	25.7	..	29.7	11	21.7	17	273	18	..	55	23	..

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.