

JUNE 2009

Summary of the records of Temperature, Rainfall and Sunshine June 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	15.2	11.0	13.1	..	18.5	10	6.6	1	108	17	-20	20	11	..
Kaitaia Aero EWS	80	15.9	8.1	12.0	..	19.4	11	2.0	19	159	16	..	61	11	..
Kaitaia Observatory	85	15.8	7.7	11.8	..	20.0	11	2.0	19	199	15	+56	78	11	147
Kaitaia EWS	85	14.6	6.9	10.8	-1.9	18.5	11	1.0	4	186	15	..	84	11	147
Kerikeri EWS	79	15.7	6.4	11.1	-0.8	..	..	..	..	229	14	+59	72	8	..
Kerikeri Aerodrome Aw	150	14.9	7.2	11.1	..	18.0	10	1.0	4	233	22	..	83	8	..
Kaikohe AWS	204	15.7	9.0	12.4	+0.9	19.1	26	4.0	1	256	19	+72	71	8	..
Trounson Cws	220	13.8	..	..	..	..	..	..	..	..	..	..	..	..	..
Dargaville 2 EWS	66	14.1	7.3	10.7	..	20.3	10	-1.4	5	136	18	..	29	8	137
Purerua AWS	82	15.3	8.5	11.9	..	18.3	11	3.4	1	158	14	..	43	12	..
Whangarei Aero AWS	37	15.1	7.4	11.3	-1.0	19.6	10	1.0	4	127	17	-40	27	9	..
Mokohinau AWS	60	14.6	11.5	13.1	..	18.0	11	6.8	1	134	12	-9	37	9	..
Warkworth EWS	72	14.1	5.5	9.8	..	18.0	10	-1.3	5	274	15	+96	73	9	..
Whangaparaoa AWS	89	14.0	8.7	11.4	..	17.2	10	4.1	1	127	16	..	39	28	..
Tiri Tiri Lighthouse	76	13.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Arc Kumeu EWS	16	14.5	4.6	9.6	..	18.1	11	-3.2	4	132	15	..	32	28	..
Whenuapai AWS	26	14.3	5.5	9.9	..	18.6	11	-2.6	5	..	..	..	..	..	..
North Shore, Auckland	20	13.4	5.1	9.3	..	16.4	10	-0.9	4	..	..	..	..	..	..
Henderson, River Pk	7	14.5	4.8	9.7	-1.3	18.9	11	-2.6	5	145	18	+0	33	9	..
Henderson, Auckland R	35	14.9	7.2	11.1	..	19.3	11	0.1	5	..	..	..	..	..	..
Lincoln Rd, Auckland	25	16.9	4.2	10.6	..	..	..	..	..	..	..	..	..	..	..
Khyber Pass, Auckland	81	13.7	7.6	10.7	..	17.0	11	2.8	17	127	14	..	49	28	..
Musick Pt Ews, Auckla	18	14.8	6.4	10.6	..	..	..	..	..	..	..	..	..	..	..
Onehunga, Auckland Re	5	14.6	7.6	11.1	-0.6	18.9	11	1.8	4	..	..	..	..	..	..
Whitianga Aero AWS	5	14.3	4.8	9.6	-1.2	18.0	10	-1.6	24	300	25	+106	92	28	..
Thames 2	3	13.8	4.2	9.0	-2.1	18.0	11	-1.0	1	114	17	-10	52	28	122
Toenepi EWS	48	13.7	2.4	8.1	..	18.1	11	-3.9	24	92	13	..	23	28	..
Matamata, Hinuera EWS	106	12.6	1.0	6.8	..	17.2	13	-4.8	21	99	13	..	33	28	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	161
Tauranga Aero AWS	4	14.1	5.6	9.9	-0.6	17.4	13	0.5	19	160	12	+33	43	9	..
Te Puke EWS	91	13.4	4.0	8.7	..	..	..	..	..	230	12	+54	60	9	..
Whakatane Aero AWS	7	13.5	3.3	8.4	-0.9	16.9	13	-2.3	18	269	11	+143	82	12	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	160
White Island	310	11.7	7.7	9.7	..	15.0	11	4.0	1	..	..	..	..	..	..
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	151
Rotorua Aero AWS	283	11.3	2.8	7.1	-1.3	15.0	13	-4.0	19	159	15	+21	57	28	..
Tarapounamu EWS	701	7.4	1.8	4.6	..	12.9	11	-2.8	17	191	17	..	71	12	..
Taupo AWS	400	10.4	0.7	5.6	-1.7	15.1	11	-5.4	18	74	13	..	23	12	..
Opotiki	5	14.6	3.5	9.1	-0.9	18.1	13	-2.6	18	213	11	+79	74	12	..
Motu EWS	488	9.9	0.8	5.4	..	16.6	11	-6.9	24	297	16	..	74	28	..
Mangere EWS	5	13.5	5.9	9.7	..	17.1	11	-0.6	5	112	16	..	38	28	138
Wiri, Auckland Region	18	13.9	6.4	10.2	-1.0	18.0	11	0.3	4	..	..	..	..	..	..
Pakuranga, Auckland R	15	14.0	3.5	8.8	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	16.4	7.3	11.9	..	20.1	11	1.1	4	..	..	..	..	..	..
Auckland Aero	33	13.6	6.4	10.0	-1.6	17.8	11	0.3	5	89	15	-26	30	28	..
Ardmore	23	15.2	2.9	9.1	-1.6	18.3	11	-3.5	5	131	17	-8	54	28	..
Pukekohe EWS	88	13.1	4.6	8.9	-2.0	16.7	11	-0.8	19	111	15	..	41	28	..
Whatawhata 2 EWS	118	13.1	4.0	8.6	..	17.1	10	-0.5	18	154	12	..	55	28	..
Ruakura 2 EWS	45	12.8	1.4	7.1	..	17.5	10	-4.7	19	122	13	..	44	28	149
Hamilton AWS	53	12.9	1.4	7.2	-2.0	17.1	10	-4.5	19	101	16	-23	37	28	..
Port Taharoa AWS	27	13.9	6.3	10.1	-1.7	18.3	11	0.5	17	130	17	..	27	26	..
Waikeria	46	13.2	0.4	6.8	-2.1	17.2	10	-5.8	19	96	..	-21	..	..	..
Te Kuiti EWS	62	12.5	1.5	7.0	..	16.5	11	-3.9	19	132	12	..	57	28	131
Pureora Forest Cws	549	9.0	0.4	4.7	..	13.1	11	-5.6	18	123	14	..	54	28	..
Taumarunui	171	11.7	0.9	6.3	-1.8	16.7	11	-4.6	8	79	17	-54	35	28	..
Taumarunui AWS	195	12.2	0.0	6.1	..	17.7	11	-5.8	23	81	21	..	30	28	128
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	141
New Plymouth AWS	30	13.1	5.9	9.5	-0.9	16.3	13	..	..	77	16	-64	27	28	..
Lower Retaruke	219	11.8	1.5	6.7	-1.2	17.1	11	-4.5	18	80	14	-56	27	28	..
Mt Ruapehu, Chateau E	1097	7.1	-1.6	2.8	-0.6	11.8	11	-8.0	18	115	16	-131	42	28	..
Alfredton EWS	240	11.2	2.4	6.8	..	16.3	13	-5.0	19	102	20	..	28	28	..
Masterton Aero AWS	138	11.3	3.0	7.2	..	16.8	11	-3.0	4	94	24	..	28	28	..
Kopua	311	10.2	3.3	6.8	-0.9	15.4	11	-2.1	24	162	17	+64	59	28	..

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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		
Takapau Plains AWS	330	9.6	2.8	6.2	..	14.3	11	-2.7	4	131	26	..	52	28	..
Dannevirke EWS	207	9.1	2.0	5.6	..	15.6	11	-4.3	19	144	19	..	44	28	80
Waione EWS	48	11.8	3.4	7.6	..	17.8	11	-4.6	4	121	19	..	51	28	..
Cape Turnagain AWS	292	9.4	6.0	7.7	..	14.0	11	..	..	..	..	..	..	..	..
Castlepoint Station	9	11.8	6.5	9.2	..	15.0	26	2.9	17	74	13	-40	30	12	..
Castlepoint AWS	120	10.7	6.6	8.7	-2.1	14.6	11	2.0	17	118	20	..	40	28	..
Baring Head	79	10.7	6.3	8.5	..	16.1	11	1.3	19	24	17	..	5	12	..
East Taratahi AWS	91	11.3	3.5	7.4	-0.6	..	..	..	..	78	17	..	22	28	..
Te Wharau, Brackenfie	292	9.7	3.1	6.4	..	15.4	11	-1.0	5	213	20	..	45	28	..
Martinborough EWS	20	11.9	3.6	7.8	..	17.5	13	-3.3	4	74	17	..	17	28	90
Ngawi AWS	6	11.6	7.1	9.4	..	18.1	11	3.2	17	89	20	..	16	16	..
Hicks Bay AWS	46	13.9	7.3	10.6	-1.2	17.3	11	1.6	18	213	14	..	59	12	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	94
Gisborne AWS	5	13.2	5.1	9.2	-0.9	18.7	13	0.0	5	244	17	+132	85	28	..
Napier Aero AWS	3	12.5	4.1	8.3	-1.1	17.0	26	-0.9	5	151	9	+77	67	28	..
Napier Nelson Pk	2	13.2	4.0	8.6	-1.1	17.2	14	-1.7	5	161	12	+80	64	28	110
Hastings AWS	16	12.7	3.7	8.2	..	17.0	13	-2.7	5	134	14	..	54	28	..
Whakatu EWS	5	12.9	3.4	8.2	..	16.8	14	-4.1	5	143	9	..	58	28	..
Waipawa EWS	130	11.0	2.6	6.8	..	16.2	11	-3.4	5	138	12	..	56	28	111
Wairoa, North Clyde E	15	12.6	3.6	8.1	-1.8	..	..	..	..	..	..	..	..	..	..
Mahia AWS	136	11.2	7.2	9.2	-1.3	14.7	26	3.1	17	99	21	..	19	30	..
Paraparaumu Aero	5	12.1	4.3	8.2	-1.2	16.9	12	-4.2	8	42	16	-63	10	12	101
Paraparaumu Aero AWS	5	11.8	3.8	7.8	-1.5	17.0	12	-4.4	8	38	17	..	9	12	110
Ohakea AWS	50	12.1	4.0	8.1	..	16.0	11	-2.0	8	..	..	..	..	..	..
Palmerston North AWS	39	11.8	2.9	7.4	-1.4	16.3	11	-3.0	19	94	13	+12	32	26	..
Palmerston North EWS	21	11.8	2.9	7.4	..	15.9	13	-3.9	19	80	14	..	35	28	99
Levin AWS	14	12.4	2.3	7.4	-1.7	17.0	11	-3.2	8	52	13	..	12	10	..
Mana Island	2	12.0	6.7	9.4	-1.2	15.2	11	1.4	24	40	..	..	10	12	..
Mana Island AWS	100	10.6	6.4	8.5	..	..	..	..	..	36	14	..	9	12	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	98
Wellington, Kelburn A	125	10.9	5.6	8.3	..	16.1	12	1.5	8	75	23	..	11	28	..
Wellington Aero	4	11.4	6.1	8.8	-1.4	16.3	11	-0.6	8	54	18	-57	16	28	..
Wallaceville EWS	56	11.5	2.2	6.9	..	17.9	11	-4.3	19	94	20	-42	22	28	84
Stratford EWS	300	10.5	3.7	7.1	..	14.0	13	-2.8	17	127	15	..	48	28	111
Hawera AWS	98	11.7	4.5	8.1	..	15.4	13	-3.3	8	48	20	..	28	28	..
Waiouru	806	7.0	-0.3	3.4	-1.5	12.9	11	-6.0	18	81	20	-12	41	28	..
Waiouru AWS	820	6.8	-0.5	3.2	..	13.0	11	-6.9	19	81	20	-5	36	28	..
Taihape Rec	433	10.4	0.3	5.4	-1.3	18.0	11	-5.4	19	36	16	-44	13	28	..
Wanganui,Spriggens Pa	15	12.8	4.8	8.8	-1.3	17.3	11	-0.9	8	74	12	-8	37	28	..
Wanganui AWS	8	12.4	5.1	8.8	-1.4	17.0	11	-1.5	8	79	12	..	36	28	..
Wanganui 2 AWS	18	13.5	4.4	9.0	..	18.0	11	-2.0	8	..	..	..	..	..	..
Takaka,Kotinga 2	25	12.5	1.0	6.8	-1.1	16.1	14	-2.5	20	180	12	-2	45	10	..
Takaka EWS	20	12.7	2.1	7.4	..	16.8	14	-2.5	19	187	10	..	42	10	144
Farewell Spit AWS	3	12.6	6.8	9.7	-0.3	16.4	11	2.6	17	151	12	..	39	9	..
Westport Aero AWS	2	12.7	4.8	8.8	-0.4	16.0	11	-0.2	1	96	14	-107	22	12	..
Arapito	18	12.2	3.4	7.8	-1.2	16.1	11	-1.0	1	99	14	-100	21	13	112
Arapito EWS	18	11.9	2.6	7.3	..	15.8	11	-1.8	1	91	15	..	20	13	..
Murchison EWS	185	8.2	0.2	4.2	..	12.6	11	-5.8	1	53	16	-92	16	10	..
Lake Rotoiti EWS	634	8.8	-1.5	3.7	..	12.2	13	-8.2	19	76	14	..	15	12	..
Hokitika Aero	39	11.7	2.9	7.3	-0.7	15.2	12	-2.3	17	189	11	-44	74	9	114
Hokitika AWS	38	11.8	2.8	7.3	-0.8	14.9	12	-2.6	18	186	12	..	72	9	..
Reefton EWS	198	8.2	-0.2	4.0	-1.6	14.5	11	-5.8	21	95	15	-79	19	10	64
Greymouth Aero	4	11.5	3.9	7.7	-1.0	16.8	11	-0.9	18	158	13	-48	57	10	93
Greymouth Aero EWS	5	10.9	4.1	7.5	..	16.4	11	-0.7	18	146	13	..	52	10	109
Pigeon Ck	105	9.4	1.1	5.3	..	14.4	11	-4.5	19	148	20	..	45	10	..
Mahanga EWS	1995	1.4	-5.1	-1.9	..	8.4	13	-12.4	17	78	10	..	24	10	..
Ivory Glacier Cws	1390	2.6	-2.8	-0.1	..	6.5	13	-6.7	17	383	9	..	144	10	..
Franz Josef EWS	80	11.2	0.9	6.1	..	13.2	28	-2.5	17	150	9	..	47	10	149
Haast AWS	5	11.8	3.1	7.5	-0.4	13.8	1	-1.4	17	119	10	..	38	10	..
Milford Sound	3	8.4	0.9	4.7	-1.0	11.5	9	-2.5	23	125	10	-313	41	10	..
Milford Sound AWS	3	7.7	0.2	4.0	..	12.0	11	-3.4	23	118	21	..	38	10	..
Secretary Island AWS	19	12.7	6.4	9.6	..	15.4	1	1.8	16	186	17	..	52	10	..
Puysegur Point AWS	44	10.3	5.6	8.0	-0.4	13.5	9	0.6	7	121	23	-67	15	3	..

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Motueka, Riwaka EWS	8	11.8	0.7	6.3	-1.2	16.1	14	-4.8	19	148	12	+15	40	12	..
Maud Island	15	11.0	5.4	8.2	..	15.6	10	0.7	17	105	10	..	23	9	..
Pelorus Sd, Crail Bay	13	11.4	4.9	8.2	-1.4	14.8	5	-0.6	17	122	12	-28	36	28	..
Nelson Aero	2	12.0	2.2	7.1	-0.5	15.4	14	-3.3	19	95	10	+11	31	11	152
Appleby 2 EWS	18	13.3	1.0	7.2	..	16.8	13	-5.5	19	146	7	..	58	11	149
Nelson AWS	4	12.0	2.4	7.2	-0.7	14.9	14	-3.1	19	81	6	..	23	11	..
Blenheim Research EWS	4	12.3	1.6	7.0	-1.1	16.3	5	-2.6	7	52	13	-8	12	11	161
Wairau Valley, Mill R	172	10.6	0.8	5.7	..	14.7	27	-4.6	19	96	10	..	47	11	..
Blenheim Aero AWS	35	11.8	0.2	6.0	-1.5	16.7	11	-5.5	17	82	11	+14	18	10	..
Brothers Island AWS	68	11.6	7.9	9.8	..	14.7	5	3.4	1	41	10	..	9	12	..
Awatere Valley, Dashw	83	10.0	-0.1	5.0	..	16.2	5	-4.7	17	44	11	..	9	11	..
Grassmere Salt Works	2	9.8	1.2	5.5	-3.1	15.3	5	-4.3	22	33	11	-26	6	29	..
Cape Campbell AWS	2	10.7	6.6	8.7	..	14.0	5	2.3	1	43	11	..	15	30	..
Boyle River Lodge	600	7.8	-3.2	2.3	..	12.0	..	..	..	90	..	..	42	8	..
Hanmer Forest EWS	363	9.3	-3.5	2.9	-1.8	16.2	11	-8.9	18	55	12	-51	15	28	..
Kaikoura AWS	105	10.0	5.5	7.8	-1.0	17.9	11	0.8	17	52	12	-30	16	10	..
Arthurs Pass	738	5.7	-2.1	1.8	-0.8	10.5	13	-6.8	17	149	11	-191	52	10	..
Arthurs Pass EWS	738	5.5	-2.3	1.6	..	10.1	13	-6.9	17	149	13	..	50	10	..
Culverden	178	10.4	-1.7	4.4	..	..	..	..	..	18	6	-39	5	29	..
Waiou School Cws	136	10.2	-0.5	4.9	..	19.7	11	-6.2	19	32	12	..	12	28	..
Cheviot EWS	75	9.8	-0.1	4.9	..	17.8	11	-4.8	19	39	14	..	15	25	113
Mt Potts EWS	2128	0.5	-6.1	-2.8	..	..	..	..	..	..	..	..	..	..	..
Mt Cook EWS	765	6.9	-2.4	2.3	-0.8	11.1	13	-5.6	17	73	6	-221	28	10	94
Snowdon EWS	560	9.0	-0.5	4.3	..	14.6	12	-5.0	3	45	9	..	22	10	..
Hororata, Illana	196	11.4	-1.8	4.8	..	..	..	..	..	19	6	..	6	6	..
Methven Cws	313	9.8	0.6	5.2	..	16.0	12	-2.2	8	20	8	..	9	10	..
Winchmore EWS	160	10.5	0.2	5.4	-0.6	15.9	5	-3.0	28	19	7	-44	8	28	..
Peel Forest	286	9.9	-1.2	4.4	-0.8	16.5	11	-4.0	17	16	6	-44	8	28	..
Ashburton Council	101	10.6	0.4	5.5	-0.7	16.0	5	-3.0	6	13	14	-50	5	28	..
Ashburton Aero AWS	89	10.1	0.3	5.2	..	16.2	11	-3.8	28	13	12	..	7	28	124
Waipara West EWS	130	10.9	1.7	6.3	..	19.2	11	-1.0	18	45	8	..	17	28	118
Rangiora EWS	23	10.9	1.7	6.3	+0.0	17.6	12	-2.6	5	26	9	..	10	29	94
Darfield EWS	190	10.2	1.1	5.7	..	16.5	12	-2.7	28	6	8	..	2	29	..
Christchurch Aero	37	10.1	1.1	5.6	-0.6	15.9	12	-4.3	28	19	11	-43	3	19	94
Christchurch, Kyle St	6	11.1	2.0	6.6	..	16.6	5	-2.9	28	22	9	..	7	19	..
Lincoln, Broadfield E	18	10.5	1.4	6.0	-0.5	15.8	11	-4.5	19	14	8	..	4	8	..
Sugar Loaf AWS	618	8.0	3.0	5.5	..	13.7	12	-1.2	17	..	..	..	..	..	..
Lyttelton Harbour	5	11.2	5.0	8.1	..	..	..	..	..	..	..	..	..	..	..
Akaroa EWS	45	10.4	4.1	7.3	..	17.7	12	1.3	17	95	15	..	31	16	77
Le Bons Bay AWS	236	9.1	4.8	7.0	-1.1	14.5	11	0.0	17	68	15	..	21	16	..
Lake Tekapo, Air Safa	762	6.2	-2.8	1.7	-0.8	11.0	11	-5.3	21	18	6	-40	10	10	..
Lake Tekapo EWS	762	6.5	-2.5	2.0	..	11.8	11	-5.1	22	15	4	..	9	10	163
Fairlie AWS	403	8.2	0.1	4.2	..	15.0	11	-3.0	3	..	..	..	..	..	..
Fairlie	300	9.9	-3.9	3.0	-0.9	..	..	..	..	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	5.3	-4.6	0.4	..	13.0	5	-8.4	21	13	18	..	7	10	..
Hakataramea Valley Cw	355	8.0	-3.4	2.3	..	12.6	11	-6.1	8	2	3	..	1	29	..
Orari Estate	81	10.0	-0.6	4.7	-0.7	14.4	5	-3.2	19	13	4	-39	8	28	..
Orari Estate Cws	81	9.8	-0.3	4.8	..	14.5	5	-2.7	19	14	9	..	8	28	..
Timaru Aero AWS	26	10.3	-0.8	4.8	-0.7	14.7	5	-4.0	2	13	3	-29	10	28	..
Timaru EWS	17	10.4	1.0	5.7	..	15.8	5	-1.6	17	8	5	..	4	28	128
Waimate Cws	55	10.1	-0.2	5.0	..	13.5	12	-2.9	28	12	3	..	5	28	..
Oamaru Airport AWS	30	9.9	0.3	5.1	..	13.8	24	-2.8	28	10	4	..	8	28	..
Albert Burn	1280	4.3	-4.1	0.1	..	9.7	3	-8.9	17	83	7	..	30	11	..
Tara Hills AWS	488	6.6	-3.4	1.6	-1.0	11.9	5	-6.2	22	11	6	-34	8	10	..
Wanaka Aero AWS	352	6.0	-1.5	2.3	..	12.5	5	-5.8	19	14	8	..	6	10	..
St Bathans, Post Offi	585	7.1	-2.6	2.3	..	..	..	..	..	..	..	..	..	..	..
Naseby Forest 2	607	7.1	-3.0	2.1	-0.6	14.0	12	-6.5	28	0	0	-34	0	1	..
Windsor EWS	81	9.4	-1.8	3.8	..	15.4	12	-4.4	28	5	2	..	4	28	..
Ranfurly EWS	450	6.0	-3.7	1.2	..	12.7	9	-8.2	28	0	0	..	0	1	..
Oamaru AWS	40	10.5	1.8	6.2	..	16.0	12	-1.3	8	8	7	..	6	28	..
Palmerston	21	10.0	0.1	5.1	-0.5	14.1	13	-3.2	15	9	5	-43	7	28	73
Middlemarch EWS	213	8.1	-3.0	2.6	..	13.0	9	-7.1	8	2	3	..	1	28	111
Dunedin Aero AWS	1	9.6	0.8	5.2	-0.2	13.2	9	-3.1	18	12	12	-40	4	28	..

Summary of the records of Temperature, Rainfall and Sunshine June 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			°C	°C	°C	Date				Min	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs	
Dunedin, Musselburgh	4	9.3	3.8	6.6	-0.5	14.4	11	0.0	16	17	10	-54	5	16	79
Murchison Mtns EWS	1140	2.3	-3.1	-0.4	..	6.5	2	-7.6	17	7	3	..	4	11	..
Manapouri, West Arm J	178	4.5	-0.1	2.2	..	9.4	11	-3.6	30	66	15	..	15	10	..
Manapouri Aero AWS	209	6.4	-0.8	2.8	..	10.9	9	-5.9	7	25	18	..	9	9	..
Queenstown	329	8.0	-0.6	3.7	-0.9	13.6	11	-4.0	22	12	4	-70	5	11	77
Queenstown Aero AWS	354	7.0	-2.1	2.5	-1.1	14.0	10	-5.9	19	7	7	-59	4	11	..
Lumsden AWS	187	7.9	-1.2	3.4	-1.1	12.5	11	-5.8	30	18	15	..	4	16	..
Cromwell EWS	213	7.1	-1.1	3.0	..	14.6	5	-4.8	19	6	3	..	3	11	86
Lauder EWS	375	5.7	-3.5	1.1	..	13.8	9	-7.4	28	2	3	..	1	10	..
Ophir 2	305	5.9	-4.6	0.7	..	14.4	11	-7.9	19	3	5	..	1	10	..
Alexandra	150	6.5	-3.1	1.7	..	..	..	..	..	..	..	..	..	..	..
Clyde EWS	171	6.3	-2.8	1.8	-1.4	12.3	11	-6.7	20	3	3	..	1	10	..
Alexandra Cws	140	6.6	-2.1	2.3	..	14.0	11	-6.1	20	1	3	..	0	10	..
Ettrick No.2	91	8.0	-1.1	3.5	-1.2	14.0	11	-4.2	2	5	3	..	3	15	..
Winton	44	9.4	1.3	5.4	-0.2	15.0	9	-3.4	30	43	12	-35	10	5	67
Gore AWS	123	7.6	1.2	4.4	-0.6	12.5	9	-3.4	23	29	17	-43	8	15	..
Invercargill Aero		9.2	2.0	5.6	+0.0	13.5	9	-2.8	23	47	20	-52	8	4	79
Invercargill Aero AWS	1	9.1	1.8	5.5	..	13.5	9	-2.9	23	45	21	..	8	4	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	44	18	..	8	4	75
Tiwai Point EWS	5	9.1	3.1	6.1	-0.6	13.3	11	-1.9	30	43	13	-51	14	4	..
Balclutha, Telford Ew	11	8.4	1.3	4.9	..	12.2	11	-5.0	8	24	14	..	8	16	87
Nugget Point AWS	129	8.8	4.3	6.6	+0.0	14.3	11	-0.2	16	59	19	..	13	16	..
Tautuku	25	11.0	4.0	7.5	+0.9	16.5	19	-1.0	7	95	23	-20	12	4	..
South West Cape AWS	101	9.6	5.8	7.7	..	14.0	12	0.2	16	46	22	..	7	23	..
Solomon, Munda	6	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	23.6	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	..	24.0	..	..	..	..	..	..	..	..	..	..	..	..
Nauru Upper Air	6	31.5	25.8	28.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	23.8	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	..	21.6	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	29.4	18.1	23.8	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	..	19.4	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	18.8	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	25.8	17.9	21.9	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	25.6	19.3	22.5	..	..	..	..	..	12	19	..	2	2	..
New Cal, Ouanaham	29	24.6	17.7	21.2	..	..	..	..	..	..	..	..	..	..	..
New Cal, Poinoimie	13	25.1	18.9	22.0	..	..	..	..	..	265	15	..	98	18	..
New Cal, La Roche	42	24.3	16.3	20.3	..	..	..	..	..	147	25	..	73	27	..
New Cal, La Tontouta	14	25.2	15.9	20.6	..	29.1	6	11.7	15	..	..	..	..	..	..
New Cal, Nouma	72	24.0	18.7	21.4	..	27.1	6	15.5	14	118	16	..	49	20	..
New Cal, Moue	97	23.4	17.7	20.6	..	..	..	..	..	..	..	..	..	..	..
New Cal, Matthew	27	22.9	20.3	21.6	..	25.5	7	18.0	21	..	..	..	..	..	..
Kiribati,Tarawa	2	31.5	26.1	28.8	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	31.2	25.2	28.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	30.9	25.5	28.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.5	26.3	28.9	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	30.8	24.6	27.7	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	29.2	24.9	27.1	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nambowalu	36	26.7	22.2	24.5	..	..	..	16.7	21	..	..	..	..	..	..
Fiji,Nadi Aero	15	27.6	19.7	23.7	..	..	..	16.9	25	..	..	..	..	..	..
Fiji, Nadi EWS	15	27.8	20.3	24.1	..	30.7	29	17.1	25	104	7	..	26	30	..
Fiji,Nausori Aero	6	26.2	20.2	23.2	..	..	..	..	..	..	..	..	..	..	..
Fiji, Vunisea	33	26.1	21.0	23.6	..	..	..	18.4	9	..	..	..	..	..	..
Kiribati, Kanton Isl	2	..	25.8	..	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.6	24.7	27.2	..	..	..	..	..	..	..	..	..	..	..
Maopoopo, Futuna Isla	36	28.5	24.4	26.5	..	30.4	17	22.0	20	251	22	..	103	19	..
Samoa,Faleolo	4	29.3	22.6	26.0	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.4	23.2	26.3	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.1	25.4	27.3	..	..	..	23.8	10	105	18	..	19	3	..
Tonga, Queen Lavinia	60	29.0	23.1	26.1	..	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	..	23.2	..	..	..	..	20.5	19	..	..	..	..	..	..
Tonga, Lupepauu	67	..	19.7	..	..	..	..	11.8	8	..	..	..	..	..	..
Salote Pilelevu Airpo	2	25.9	21.0	23.5	..	29.0	29	14.6	22	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine June 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		
Tonga,Fuaamotu Aero	38	24.4	19.5	22.0	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport	59	..	20.6	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	25.9	20.3	23.1	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	25.3	20.1	22.7	..	29.3	1	15.8	16	172	9	..	61	4	
Hiva Hoa, Atuona	51	29.9	23.3	26.6	..	31.5	4	21.4	10	136	19	..	28	26	
Tahiti - Faaa	1	30.2	23.8	27.0	..	31.8	1	22.1	14	66	9	..	41	9	
Tuamotu, Takaraoa	2	29.6	25.8	27.7	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	27.8	22.9	25.4	..	..	..	18.7	14	83	18	..	34	9
Gambier, Rikitea	91	24.9	20.8	22.9	..	27.5	21	19.1	27	126	17	..	29	11	
Tubuai	2	24.7	19.5	22.1	..	27.3	7	14.5	27	157	20	..	34	15	
Rapa	1	22.2	17.8	20.0	..	24.8	2	12.9	15	257	22	..	80	7	
Raoul Island AWS	49	18.6	14.1	16.4	..	21.9	29	10.6	26	151	20	..	39	13	
Enderby Is AWS	40	7.6	3.7	5.7	..	10.5	9	-2.8	16	25	19	..	4	5	
Campbell Island AWS	19	6.6	2.7	4.7	-0.3	10.9	9	-3.2	6	92	29	-12	17	16	
Chatham Islands AWS	48	9.6	5.4	7.5	-1.3	12.5	12	1.5	7	78	24	-26	11	21	
Chatham Island EWS	14	9.9	5.5	7.7	..	13.1	12	0.8	16	44	24	..	7	21	
Georg Von Neumayer	40	-15.5	-24.2	-19.9	..	-6.6	17	-36.5	12	..	..	..	..	..
Ant South Pole	2800	-50.9	-58.5	-54.7	..	-39.0	17	-70.0	7	..	..	..	..	..
Halley Bay	30	-20.5	-30.4	-25.5	..	-7.6	1	-43.8	15	..	..	..	..	..
Gen Belgrano 2	32	-14.3	-21.8	-18.1	..	-4.0	1	-32.1	15	..	..	..	..	..
Base Jubany	4	-4.5	-10.4	-7.5	..	2.5	17	-20.2	15	..	..	..	..	..
V C Marambio	198	-18.0	-23.1	-20.6	..	0.9	7	-31.5	13	..	..	..	..	..
Rothera Point	16	-4.2	-8.3	-6.3	..	2.0	29	-16.6	25	..	..	..	..	..
Gen San Martin	4	-4.9	..	..	..	0.2	1	..	..	..	..	..	..	..
Mawson	16	-9.4	-17.8	-13.6	..	-3.3	29	-25.6	10	..	..	..	..	..
Davis	13	-11.0	-18.0	-14.5	..	-1.1	13	-25.2	13	..	..	..	..	..
Casey	41	-8.6	-15.8	-12.2	..	..	..	..	..	..	..	..	..	..
Durmont Durville	43	-11.8	-17.9	-14.9	..	..	..	..	..	..	..	..	..	..
Mcmurdo	24	-17.4	-28.6	-23.0	..	-4.3	29	-39.1	11	..	..	..	..	..
Ant Scott Base	16	-19.3	-33.0	-26.2	..	-5.3	30	-46.2	12	..	..	..	..	..
Ant Arrival Heights E	185	-19.9	-29.2	-24.6	..	..	..	..	..	..	..	..	..	..
Darwin Airport	31	31.5	14.1	22.8	..	33.7	2	10.6	26	0	0	..	0	1	
Hobart Airport	4	18.9	6.2	12.6	..	30.0	20	2.1	3	137	19	..	35	4	

Late returns and corrections for May 2009

Kerikeri EWS	79	17.5	7.5	12.5	-1.5	21.3	17	3.0	22	192	15	+66	102	26	..
Kerikeri Aerodrome Aw	150	16.3	7.8	12.1	..	..	..	..	..	..	..	..	..	..	..
Mt Ruapehu, Chateau E	1097	7.3	0.6	4.0	-1.5	11.6	27	-4.5	21	223	21	-51	27	15	..
Dannevirke	207	12.5	5.9	9.2	-1.1	19.0	16	0.0	13	75	24	-17	20	23	101
Cape Turnagain AWS	292	11.2	7.4	9.3	..	..	..	3.0	22	..	..	..	..	..	..
Ohakea AWS	50	13.6	6.4	10.0	..	20.0	16	1.0	22	..	..	..	..	..	..
Takaka EWS	20	15.3	2.9	9.1	..	18.5	15	-0.6	29	65	10	..	19	14	..
Blackball	35	12.8	1.8	7.3	..	16.8	16	-3.8	23	357	..	..	..	..	..
Pigeon Ck	105	12.0	3.2	7.6	..	16.5	25	-1.9	21	316	15	..	70	16	..
Hanmer Forest EWS	363	10.7	-0.3	5.2	-2.4	19.4	16	-7.0	12	181	22	+82	40	23	..
Winchmore EWS	160	11.1	2.2	6.7	-1.9	19.1	16	-2.3	2	152	21	+93	29	5	..
Rangiora EWS	23	12.2	2.8	7.5	-1.4	21.6	16	-2.1	4	104	19	..	19	10	129
Christchurch Aero	37	11.2	2.6	6.9	-2.0	21.4	16	-3.1	4	145	19	+93	28	5	134
Christchurch, Kyle St	6	12.6	2.9	7.8	..	23.0	16	-2.6	4	165	17	..	33	10	..
Lincoln, Broadfield E	18	11.6	3.4	7.5	-1.7	21.4	16	-2.1	4	171	17	..	28	5	..
Timaru EWS	17	10.9	3.2	7.1	..	20.1	16	-0.6	9	72	17	..	17	5	130
Windsor EWS	81	10.2	0.9	5.6	..	17.2	16	-4.1	28	66	15	..	23	23	..
Palmerston	21	11.3	1.8	6.6	-1.4	18.7	16	-3.5	3	126	20	+74	26	23	99
Middlemarch EWS	213	9.7	0.3	5.0	..	17.9	16	-6.5	2	53	17	..	9	5	96
Dunedin, Musselburgh	4	10.5	4.3	7.4	-1.9	17.8	16	0.4	27	168	23	+98	23	10	100
Lauder EWS	375	8.4	0.4	4.4	..	15.9	16	-5.5	28	42	17	..	8	7	..
Ettrick No.2	91	10.3	1.4	5.9	-1.4	16.2	4	-5.2	3	78	16	..	18	19	..
Stewart Is	3	11.1	..	..	..	..	..	..	..	140	..	-14	25	11	..
Balclutha,Finegand	6	10.9	2.3	6.6	-1.5	17.0	4	-3.0	2	124	21	+66	25	10	82
Balclutha, Telford Ew	11	9.9	1.9	5.9	..	15.6	16	-4.5	2	113	23	..	22	10	103
New Cal, Oulop	7	26.6	19.9	23.3	..	29.5	1	12.4	10	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.1	25.4	27.8	..	..	..	..	..	..	..	..	..	..	..
Progress	64	-11.0	-13.8	-12.4	..	..	..	-21.1	13	..	..	..	..	..	..

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall				Bright Sun—shine	
		Means of		Mean of A and B	Differ—ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ—ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall		Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Late returns and corrections for April 2008															
Ohakea AWS	50	19.4	10.2	14.8	..	24.0	4	2.0	20	..	..	..	..	..
Progress	64	-10.2	-12.8	-11.5	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for March 2008															
Ohakea AWS	50	22.9	12.9	17.9	..	28.0	18	9.0	11	..	..	..	..	..
Progress	64	-6.8	-9.5	-8.2	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for February 2008															
Ohakea AWS	50	23.5	13.5	18.5	..	..	..	..	..	..	..	..	..	..
Sugar Loaf AWS	618	19.7	9.8	14.8	..	..	..	..	..	..	..	..	..	..
Swampy Summit AWS	722	15.7	7.5	11.6	..	..	..	..	..	..	..	..	..	..
Progress	64	-1.7	-5.2	-3.5	..	1.2	8	..	..	..	..	..	..	..
Late returns and corrections for January 2008															
Ohakea AWS	50	24.3	14.4	19.4	..	..	..	..	..	..	..	..	..	..
Progress	64	1.4	-3.5	-1.1	..	4.3	22	..	..	..	..	..	..	..

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.