

JULY 2012

Summary of the records of Temperature, Rainfall and Sunshine July 2012

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	11.1	13.2	+0.6	17.5	24	8.6	31	192	20	+64	41	23	..
Kaitaia Aero EWS	80	16.2	9.4	12.8	+0.8	19.2	24	2.4	9	222	16	+87	40	22	..
Kaitaia Observatory	85	16.1	8.6	12.4	..	19.6	25	2.0	9	210	18	+41	43	22	143
Kaitaia EWS	85	16.1	8.8	12.5	+0.5	19.6	25	2.0	9	202	16	+46	42	22	150
Kerikeri EWS	79	16.4	7.9	12.2	+0.8	19.3	24	2.1	9	275	21	+95	56	2	..
Kerikeri Aerodrome Aw	150	15.4	7.9	11.7	+0.6	18.9	23	2.9	11	295	27	+90	65	2	..
Kaikohe AWS	204	15.6	9.4	12.5	+1.5	19.1	23	5.1	11	277	27	+89	61	22	..
Trounson Cws	220	14.2	7.2	10.7	..	19.0	23	0.5	10	156	21	-104	35	22	..
Dargaville 2 EWS	66	15.2	7.9	11.6	+0.5	18.9	23	0.3	10	79	15	-63	12	2	126
Purerua AWS	82	15.7	9.7	12.7	..	18.2	24	4.5	9	217	19	..	38	22	..
Whangarei Aero AWS	37	15.7	8.3	12.0	+0.4	20.0	23	2.2	11	204	19	+35	51	22	..
Mokohinau AWS	60	15.2	12.1	13.7	+0.6	16.7	23	10.0	9	119	16	-14	26	22	..
Leigh 2	27	17.0	10.3	13.7	+1.2	19.5	20	6.4	6	112	17	-18	26	22	..
Warkworth EWS	72	14.8	6.5	10.7	+0.3	17.7	23	0.0	11	173	16	-7	59	22	..
Whangaparaoa AWS	89	14.1	9.6	11.9	+0.3	15.9	24	6.3	8	123	22	+22	31	22	..
Tiri Tiri Lighthouse	76	14.2	9.0	11.6	-0.1	..	..	..	..	..	..	..	..	..	..
Whenuapai AWS	26	14.8	6.3	10.6	+0.4	17.6	23	-1.5	9	..	..	..	..	..	..
Auckland, North Shore	64	13.4	4.9	9.2	..	15.2	20	-1.9	9	183	15	..	48	3	131
Auckland, Henderson,	7	15.7	5.7	10.7	+0.4	18.6	23	-1.4	11	193	16	+3	46	22	..
Musick Pt Ews, Auckla	18	15.6	7.3	11.5	+0.2	17.9	23	2.6	9	..	..	..	..	..	..
Waiheke Island, Awaro	34	15.4	6.5	11.0	..	17.8	24	-2.0	11	230	11	+76	69	29	..
Whitianga Aero AWS	5	14.9	6.4	10.7	+0.4	17.1	23	-0.3	8	327	24	+85	89	22	..
Thames 2	3	14.8	5.9	10.4	+0.0	18.1	23	-1.2	11	225	17	+77	46	23	118
Paeroa AWS	18	14.5	5.5	10.0	+0.3	18.9	24	-2.5	11	288	19	+127	68	29	..
Toenepi EWS	48	14.7	4.7	9.7	+0.4	19.4	24	-2.0	11	58	14	..	21	15	..
Matamata, Hinuera EWS	106	13.9	3.2	8.6	+0.3	18.6	24	-2.5	11	..	..	..	..	..	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	146
Tauranga Aero AWS	4	15.1	6.4	10.8	+0.5	17.8	17	1.2	8	328	16	+199	98	23	..
Te Puke EWS	91	14.5	5.2	9.9	+0.4	16.4	18	0.5	11	382	13	+219	86	15	..
Whakatane Aero AWS	7	14.6	4.1	9.4	+0.5	16.7	25	-0.9	2	168	12	+36	42	23	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	164
White Island AWS	310	12.9	8.9	10.9	..	15.0	14	6.3	2	..	..	..	..	..	..
Mamaku Radar Wxt AWS	617	9.7	5.1	7.4	..	12.6	24	1.6	2	..	..	..	..	..	..
Kawerau AWS	42	15.0	4.1	9.6	..	17.1	18	-0.7	2	..	..	..	..	..	157
Rotorua Aero AWS	283	12.4	2.9	7.7	-0.1	15.5	24	-2.7	8	194	18	+59	49	30	..
Galatea AWS	174	12.8	1.4	7.1	..	17.0	24	-4.3	11	..	..	..	..	..	..
Taupo Wxt AWS	385	11.5	3.4	7.5	..	16.2	24	-2.0	8	..	..	..	..	..	..
Tarapounamu EWS	701	10.8	1.9	6.4	..	17.0	19	-5.8	3	160	17	..	48	15	..
Taupo AWS	400	11.0	1.4	6.2	-0.3	15.9	24	-4.2	8	89	15	-7	20	23	..
Opotiki	5	15.2	4.1	9.7	+0.1	17.7	3	0.4	11	148	12	+18	35	16	..
Motu EWS	488	11.1	3.1	7.1	+1.0	15.9	18	-3.9	19	231	15	+15	82	15	..
Otamatuna, Te Mapou H	624	10.0	3.0	6.5	..	13.5	24	-0.4	8	116	11	..	53	16	..
Auckland, Mangere EWS	5	14.3	6.5	10.4	-0.5	17.2	23	0.2	8	157	14	+20	41	22	134
Pakuranga, Auckland R	15	16.2	5.5	10.9	+0.7	19.4	25	-1.9	8	..	..	..	..	..	..
Penrose Ews, Auckland	30	15.3	6.2	10.8	-0.3	..	..	1.0	11	..	..	..	..	..	..
Auckland Aero	33	14.9	7.5	11.2	+0.3	18.2	23	1.5	11	141	14	+8	29	29	..
Auckland, Ardmore	23	15.7	5.1	10.4	+0.4	18.2	23	-2.7	8	174	15	+34	42	29	..
Pukekohe EWS	88	14.5	6.6	10.6	+0.4	17.6	23	1.5	11	200	14	+50	46	15	..
Firth Of Thames EWS	1	16.1	4.2	10.2	..	19.1	17	-3.6	8	168	14	..	39	22	..
Whatawhata 2 EWS	118	13.3	4.9	9.1	-0.2	17.6	24	-0.1	2	291	14	+115	80	22	..
Hamilton, Ruakura 2 E	45	12.5	2.8	7.7	-1.2	17.1	24	-4.5	8	172	14	+54	39	22	135
Hamilton AWS	53	13.8	3.6	8.7	+0.0	18.4	24	-3.1	8	224	18	+95	52	15	..
Lake Karapiro Cws	55	13.3	5.4	9.4	..	17.0	24	-0.2	8	262	12	..	95	24	..
Port Taharoa AWS	27	16.0	8.0	12.0	+1.0	19.9	26	3.3	8	158	14	..	40	15	..
Waikeria 2	46	14.3	3.4	8.9	+0.4	18.0	24	-3.2	8	193	8	+76	62	15	..
Te Kuiti EWS	62	13.6	2.5	8.1	-0.6	18.1	24	-3.9	2	186	11	+22	78	15	125
Pureora Forest Cws	549	10.4	1.9	6.2	..	13.8	24	-4.6	8	208	11	..	41	15	..
Taumarunui	171	13.4	2.4	7.9	+0.5	20.0	24	-3.4	2	185	..	+37	74	15	..
Taumarunui AWS	195	13.0	1.2	7.1	..	17.8	24	-5.2	2	161	22	..	60	15	128
Turangi 2 EWS	350	12.0	0.3	6.2	-0.4	16.9	24	-6.7	2	168	9	+17	62	15	140
New Plymouth AWS	30	13.6	6.1	9.9	+0.2	16.9	24	0.4	8	184	14	+48	67	15	148
Lower Retaruke Cws	233	13.4	2.3	7.9	..	19.6	24	-3.9	2	151	13	+1	57	15	..
Mt Ruapehu, Chateau E	1097	7.7	-1.0	3.4	+0.3	13.2	19	-7.5	2	269	12	+6	108	15	..

Summary of the records of Temperature, Rainfall and Sunshine July 2012

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		
Pahiatua EWS	110	12.8	3.3	8.1	..	16.8	15	-3.0	28	135	12	..	37	5	..
Alfredton EWS	240	12.8	3.5	8.2	..	17.2	20	-2.2	29	155	21	..	38	31	..
Masterton Aero AWS	138	12.6	3.2	7.9	..	19.3	16	-2.4	11	150	22	..	35	31	..
Kopua	311	11.7	3.1	7.4	-0.1	17.5	15	-2.0	18	241	..	+125	51	5	..
Takapau Plains AWS	330	10.6	2.4	6.5	-0.6	17.1	15	-2.8	19	229	25	..	47	23	..
Dannevirke	207	11.9	3.6	7.8	-0.1	18.1	15	-2.0	18	186	16	+84	48	5	100
Dannevirke EWS	207	11.3	3.1	7.2	..	17.4	15	-2.6	18	192	16	..	50	5	108
Waione EWS	48	12.9	3.5	8.2	-0.4	..	..	..	..	235	23	+97	52	5	..
Cape Turnagain AWS	292	10.3	7.0	8.7	..	15.9	15	3.7	1	..	..	..	..	..	..
Akitio EWS	245	11.1	6.1	8.6	..	16.6	15	1.4	27	275	17	..	48	24	114
Castlepoint Station	9	13.1	7.5	10.3	+0.1	18.0	16	1.7	11	176	16	+63	32	23	..
Castlepoint AWS	120	11.9	7.8	9.9	+0.0	17.1	15	4.0	27	186	18	+65	35	23	..
Baring Head	79	11.8	7.5	9.7	..	14.4	15	2.4	28	45	11	..	12	31	..
Te Wharau, Brackenfie	292	11.6	4.1	7.9	..	16.0	16	-0.5	11	314	16	..	72	31	..
Martinborough EWS	20	13.1	3.5	8.3	+0.5	18.3	16	-2.5	12	71	13	..	24	31	101
Ngawi AWS	6	13.3	8.3	10.8	+0.6	18.5	20	3.3	27	181	15	..	59	31	..
Hicks Bay AWS	46	14.5	9.2	11.9	+0.7	17.4	24	5.0	9	199	19	+37	96	3	..
Gisborne AWS	5	13.6	6.0	9.8	+0.1	19.1	16	1.1	11	233	22	+103	44	3	102
Tolaga Bay Wxt AWS	12	13.5	7.1	10.3	..	18.7	16	2.0	11	..	..	..	..	..	..
Napier Aero AWS	3	13.6	5.5	9.6	+0.5	20.6	16	-1.1	18	121	16	+9	26	23	..
Napier Nelson Pk	2	13.9	5.1	9.5	+0.0	20.9	16	-1.4	18	183	17	+74	38	23	106
Hastings AWS	16	13.3	4.5	8.9	..	20.2	16	-1.5	18	199	22	..	43	23	..
Whakatu EWS	5	13.6	4.3	9.0	+0.8	20.3	16	-1.7	13	176	17	..	37	23	..
Waipawa EWS	130	12.1	3.5	7.8	..	17.5	16	-2.4	18	221	16	..	42	5	105
Wairoa, North Clyde E	15	14.0	6.0	10.0	+0.7	20.3	16	0.0	20	162	20	+28	27	4	..
Mahia Radar Wxt AWS	419	9.9	6.8	8.4	..	15.6	16	4.2	2	..	..	..	..	..	..
Mahia AWS	136	12.3	8.0	10.2	+0.2	16.2	14	3.7	2	238	21	+99	40	24	..
Cape Kidnappers Wxt A	118	12.0	8.5	10.3	..	16.7	16	6.4	11	..	..	..	..	..	..
Paraparaumu Aero	5	13.4	4.1	8.8	+0.1	17.6	24	-4.0	2	99	13	+4	34	15	116
Paraparaumu Aero AWS	5	13.3	3.7	8.5	-0.1	17.8	24	-4.2	2	89	13	-2	30	15	130
Ohakea AWS	50	13.3	4.8	9.1	..	16.6	15	-1.2	2	..	..	..	..	..	..
Palmerston North AWS	39	13.5	4.4	9.0	+0.5	16.6	15	-1.4	20	116	12	+31	34	15	..
Palmerston North EWS	21	13.2	4.7	9.0	+0.3	17.0	24	-1.6	20	117	12	+29	44	15	107
Levin AWS	14	13.5	3.8	8.7	+0.2	16.4	24	-3.6	1	99	16	+0	48	15	..
Mana Island	2	12.8	7.5	10.2	+0.2	15.4	24	2.3	27	78	14	-29	22	15	..
Mana Island AWS	100	11.6	7.5	9.6	..	14.7	24	3.9	28	85	14	..	25	15	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	101
Wellington, Kelburn A	125	11.8	6.9	9.4	+0.5	14.1	29	1.6	27	145	18	+8	61	24	..
Wellington Aero	4	12.7	7.1	9.9	+0.3	15.3	15	-0.1	27	79	13	-34	23	24	..
Wallaceville EWS	56	12.8	2.7	7.8	-0.1	16.4	29	-3.6	28	102	14	-31	24	15	110
Hawera AWS	98	12.7	4.1	8.4	+0.0	..	..	-2.9	2	91	15	-28	29	15	..
Ohakune EWS	607	11.3	1.4	6.4	+0.9	17.2	30	-5.4	2	81	10	-70	19	15	143
Waiouru Treatment Pla	806	9.1	-0.1	4.5	+0.2	13.0	24	-4.8	1	67	14	-37	27	23	..
Taihape Rec	433	11.9	-0.1	5.9	-0.2	16.6	15	-5.1	2	57	11	-22	15	23	..
Flat Hills Wxt AWS	263	12.3	3.3	7.8	..	17.7	24	-2.9	2	..	..	..	..	..	..
Wanganui,Spriggens Pa	15	14.3	4.9	9.6	+0.1	18.3	30	-1.1	1	70	11	-15	26	15	..
Wanganui AWS	8	14.1	5.2	9.7	+0.2	18.0	30	-1.5	27	74	12	-15	28	15	..
Wanganui 2 AWS	18	14.9	4.2	9.6	..	18.1	30	-1.9	2	..	..	..	..	..	..
Takaka EWS	20	14.0	4.4	9.2	+1.4	17.4	15	-1.4	1	326	10	+130	204	14	128
Farewell Spit AWS	3	13.4	8.2	10.8	+1.1	16.1	18	..	..	122	12	+20	50	14	..
Westport Aero AWS	2	14.0	6.2	10.1	+1.4	17.2	30	1.5	2	144	11	+6	64	14	..
Arapito	18	13.9	4.8	9.4	+0.9	16.6	23	-0.6	2	169	9	-23	91	14	134
Arapito EWS	18	13.1	3.5	8.3	..	..	..	-1.5	2	153	10	..	84	14	..
Murchison EWS	185	10.3	0.9	5.6	+0.1	16.6	15	-3.6	3	128	12	..	89	14	..
Lake Rototiti EWS	634	9.9	-1.0	4.5	+1.0	..	..	-6.2	1	100	18	-15	57	14	..
Hokitika Aero	39	13.3	3.7	8.5	+1.1	16.8	23	-1.5	3	220	11	+2	96	13	142
Hokitika AWS	38	13.4	3.8	8.6	+1.2	16.8	23	-1.6	3	178	9	-5	76	13	..
Reefton EWS	198	9.8	-0.8	4.5	-0.7	14.8	15	-6.7	3	116	11	-53	74	14	103
Greymouth Aero	4	13.5	5.3	9.4	+1.3	15.0	5	0.7	2	180	11	-18	97	14	131
Greymouth Aero EWS	5	12.6	5.2	8.9	..	14.5	25	0.5	2	171	11	..	89	14	147
Pigeon Creek Cws	105	11.9	2.1	7.0	..	15.9	24	-5.0	2	332	12	..	174	14	..
Mt Philistine EWS	1655	3.5	-2.5	0.5	..	9.2	19	-5.4	11	371	9	..	178	14	..
Ivory Glacier Cws	1390	4.1	-2.4	0.9	..	7.7	14	-8.0	1	498	13	..	244	14	..

Summary of the records of Temperature, Rainfall and Sunshine July 2012

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		Fall	Date
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Franz Josef	155	14.1	4.1	9.1	+1.9	17.0	23	-4.5	2	372	11	+20	186	13	..
Franz Josef EWS	80	12.9	2.2	7.6	+0.8	17.7	30	-2.0	2	308	12	..	160	13	147
Haast AWS	5	12.8	4.9	8.9	+1.2	15.8	25	-0.3	24	224	10	..	114	13	..
Milford Sound	3	10.8	2.6	6.7	+1.4	15.0	28	-2.1	4	226	15	-198	63	17	..
Milford Sound AWS	3	10.0	2.3	6.2	+1.2	14.8	31	-2.5	4	252	26	..	68	17	..
Secretary Island AWS	19	12.7	7.8	10.3	+1.2	17.7	25	4.4	6	197	18	-55	34	12	..
Puysegur Point AWS	44	11.4	7.5	9.5	+1.3	14.4	28	2.5	3	213	22	+21	73	29	..
Stephens Island	187	11.7	7.3	9.5	+0.3	14.9	18	3.0	23	74	11	..	23	14	..
Motueka, Riwaka EWS	8	14.7	1.4	8.1	+1.2	19.9	18	-4.4	1	104	11	-27	38	14	..
Nelson Aero	2	13.0	3.4	8.2	+1.0	16.2	5	-2.8	1	85	10	+7	46	14	141
Appleby 2 EWS	18	13.5	1.2	7.4	+0.0	17.6	5	-5.5	1	44	11	..	14	14	142
Nelson AWS	4	13.4	3.7	8.6	+1.2	16.3	5	-2.2	1	66	13	..	33	14	..
Blenheim Research EWS	4	13.4	3.2	8.3	+0.6	17.4	20	-0.8	1	73	11	+3	20	31	131
Wairau Valley, Mill R	172	11.9	1.7	6.8	..	16.5	19	-3.3	10	170	12	..	54	31	..
Blenheim Aero AWS	35	12.9	2.1	7.5	+0.4	16.9	20	-3.0	10	83	12	+8	25	31	..
Brothers Island AWS	68	12.1	9.0	10.6	+0.4	14.6	17	5.3	1	65	15	..	15	15	..
Awatere Valley, Dashw	83	11.7	2.5	7.1	-0.3	16.2	16	-2.6	19	72	12	..	17	31	..
Grassmere Salt Works	2	12.9	5.9	9.4	+0.9	17.9	16	1.0	10	63	13	-6	19	31	..
Cape Campbell AWS	2	11.3	7.7	9.5	+0.3	..	..	5.3	27	83	11	+17	32	5	..
Boyle River Lodge	600	9.3	-1.3	4.0	+0.5	16.1	20	-8.7	2	164	15	+11	65	14	..
Hanmer Forest EWS	363	11.1	-3.0	4.1	+0.0	17.8	15	-10.3	2	100	10	-8	43	31	..
Kaikoura AWS	105	11.3	6.1	8.7	+0.6	17.7	15	3.1	27	75	12	-17	24	24	..
Arthurs Pass	738	6.8	-1.7	2.6	+0.7	11.0	15	-9.3	3	320	10	+15	152	14	..
Arthurs Pass EWS	738	6.8	-1.5	2.7	+1.0	10.5	15	-9.3	3	297	15	-61	136	14	..
Culverden AWS	181	11.9	-0.2	5.9	..	19.6	15	-4.9	28	..	..	..	..	..	..
Waipara North Branch	560	9.9	0.8	5.4	..	18.5	19	-6.9	2	91	13	..	41	31	..
Waiau School Cws	136	13.0	-0.3	6.4	..	21.7	15	-4.8	12	54	10	..	15	31	..
Cheviot EWS	75	13.1	0.7	6.9	..	22.3	15	-4.4	28	54	9	..	23	4	136
Upper Rakaia EWS	1752	5.2	-2.1	1.6	..	10.8	19	-6.6	4	121	10	..	75	14	..
Mt Potts EWS	2128	2.2	-3.9	-0.9	..	11.8	15	-9.1	26	38	4	..	32	14	..
Mt Cook EWS	765	8.6	-2.9	2.9	+0.7	18.3	19	-8.3	25	297	10	+32	121	13	117
Craigieburn Forest	914	8.9	-1.9	3.5	+1.0	15.1	20	-6.7	3	186	20	+42	125	14	..
Snowdon EWS	560	10.6	0.5	5.6	+0.8	17.6	20	-6.9	2	74	11	..	23	30	..
Methven, Three Spring	305	10.3	0.1	5.2	..	16.8	16	-5.6	2	83	12	..	38	30	..
Methven Cws	313	11.0	1.6	6.3	..	17.6	16	-4.5	2	72	12	..	35	30	..
Winchmore EWS	160	11.9	-0.3	5.8	+0.2	18.9	16	-7.0	2	62	11	-5	27	30	..
Peel Forest	286	10.9	-0.7	5.1	+0.3	16.1	13	-6.5	2	139	9	+68	63	30	..
Ashburton Council	101	11.4	0.5	6.0	+0.3	..	..	..	..	48	13	-16	30	30	..
Ashburton Aero AWS	89	11.2	0.1	5.7	..	17.4	13	-5.4	1	51	18	..	26	30	155
Wakanui Cws	53	11.1	0.3	5.7	..	18.2	13	-5.5	1	36	9	..	19	30	..
Waipara West EWS	130	13.1	2.7	7.9	..	21.3	20	-2.3	1	45	9	..	11	31	..
West Eyreton, Larunde	88	11.8	1.2	6.5	..	..	..	-4.7	12	..	..	..	..	..	..
Rangiora EWS	23	12.5	0.7	6.6	+0.7	22.6	15	-3.2	1	71	10	..	18	4	144
Darfield 2 EWS	212	11.8	1.1	6.5	..	21.0	15	-6.4	2	25	5	..	12	30	..
Christchurch Aero	37	11.8	0.3	6.1	+0.3	22.4	15	-5.1	1	92	13	+27	30	30	117
Christchurch Gardens	7	11.9	2.3	7.1	+0.5	21.0	15	-1.6	11	55	10	-13	28	30	..
Christchurch, Kyle St	6	11.8	1.4	6.6	+0.3	19.6	15	-3.0	10	77	10	..	36	30	..
Christchurch, New Bri	12	10.8	5.0	7.9	..	18.6	16	1.3	8	..	..	..	..	..	..
Lincoln, Broadfield E	18	11.5	1.4	6.5	+0.4	20.1	15	-3.7	1	44	12	-14	18	30	..
Sugar Loaf AWS	618	9.6	4.6	7.1	..	17.8	15	0.6	2	..	..	..	..	..	..
Lyttelton Harbour	5	11.1	5.2	8.2	+0.8	18.0	16	1.6	26	61	11	..	36	30	..
Leeston EWS	15	12.5	0.8	6.7	..	19.7	16	-4.0	1	46	16	..	27	30	..
Akaroa EWS	45	12.8	4.9	8.9	+1.5	21.1	15	0.6	26	182	12	+51	131	30	111
Le Bons Bay AWS	236	10.8	6.0	8.4	+1.0	16.9	15	2.9	1	32	11	..	12	30	..
Lake Tekapo, Air Safa	762	7.0	-3.0	2.0	+0.6	15.0	18	-8.7	3	78	9	+28	43	30	..
Lake Tekapo EWS	762	6.5	-3.5	1.5	-0.1	14.6	18	-9.7	2	73	8	..	41	30	127
Fairlie AWS	403	10.0	1.1	5.6	..	16.3	16	-5.9	2	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	6.3	-4.0	1.2	..	16.4	18	-9.9	2	53	21	..	21	31	..
Hakataramea Valley Cw	355	10.3	-2.0	4.2	..	16.6	12	-8.7	2	55	10	..	25	30	..
Orari Estate	81	11.3	-0.9	5.2	+0.2	16.8	16	-6.7	2	103	11	+46	58	30	..
Orari Estate Cws	81	10.6	-0.8	4.9	..	16.2	16	-6.5	2	99	21	..	54	30	..
Timaru Aero AWS	26	11.3	-1.6	4.9	-0.1	16.5	17	-6.8	24	89	14	+43	38	30	..
Timaru EWS	17	10.1	0.1	5.1	-0.6	15.1	11	-4.7	1	80	14	+36	36	30	..

Summary of the records of Temperature, Rainfall and Sunshine July 2012

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		
Waimate Cws	39	11.0	-0.1	5.5	..	16.4	16	-4.6	1	75	9	..	34	31	..
Oamaru Airport AWS	30	10.9	-0.4	5.3	-0.2	17.0	15	-6.2	1	49	10	+8	27	30	..
Albert Burn	1280	6.2	-2.2	2.0	..	10.5	20	-8.5	4	159	13	..	54	13	..
Eglinton, Knobs Flat	365	8.0	-0.1	4.0	..	12.5	26	-7.2	3	92	17	..	24	12	..
Tara Hills AWS	488	8.1	-3.3	2.4	+0.5	15.1	18	-8.9	3	25	11	-14	8	13	..
Wanaka Aero AWS	352	8.3	-0.2	4.1	+0.8	14.8	18	-5.3	4	23	8	-15	8	14	..
Naseby Forest 2	607	8.8	-2.6	3.1	+0.7	14.2	18	-8.0	2	45	9	+18	25	30	..
Windsor EWS	81	11.9	-0.7	5.6	+0.7	17.6	17	-7.2	2	72	7	+28	40	30	..
Ranfurly EWS	450	9.9	-4.3	2.8	+0.6	15.6	18	-11.3	2	27	5	-3	13	13	..
Oamaru AWS	40	11.6	1.8	6.7	+0.1	17.6	17	-3.9	2	65	10	..	36	30	..
Rock And Pillar AWS	270	9.7	-1.7	4.0	..	15.3	15	-8.5	3	..	..	..	..	..	..
Palmerston	21	11.9	-1.3	5.3	+0.2	17.4	15	-8.0	2	78	7	+24	36	30	110
Middlemarch EWS	213	10.4	-3.4	3.5	+0.0	16.7	12	-10.6	2	40	9	..	20	13	126
Swampy Summit AWS	722	7.3	1.8	4.6	..	17.2	20	-3.6	1	..	..	..	..	..	..
Dunedin Aero AWS	1	11.2	-1.4	4.9	+0.0	17.6	12	-7.8	2	43	10	-3	20	30	..
Dunedin, Musselburgh	4	11.4	3.6	7.5	+1.0	18.4	18	-1.1	2	47	6	-10	24	30	121
Takahe Valley Cws	895	3.5	-3.2	0.2	..	8.2	28	-9.4	5	149	17	..	33	12	..
Manapouri, West Arm J	178	6.1	1.4	3.8	+0.9	10.3	15	-6.0	4	235	22	..	37	12	..
Manapouri Aero AWS	209	9.2	1.1	5.2	+1.6	15.3	28	-4.9	1	34	18	-49	9	12	..
Birchwood Wxt AWS	147	10.2	2.3	6.3	..	15.4	18	-4.8	3	..	..	..	..	..	..
Queenstown	329	9.5	-0.1	4.7	+0.4	15.3	18	-4.7	5	47	7	-16	14	13	94
Queenstown Aero AWS	354	9.1	-2.5	3.3	+0.2	14.5	19	-7.7	5	65	8	+16	31	30	159
Lumsden AWS	187	9.8	-0.3	4.8	+0.9	15.6	28	-8.0	4	42	16	..	16	30	..
Riversdale Aquifer @	125	9.1	-1.2	4.0	..	15.6	15	-8.6	4	31	7	..	12	13	..
Cromwell EWS	213	8.2	-1.4	3.4	+0.2	16.5	18	-7.9	1	52	6	..	35	30	99
Lauder EWS	375	8.4	-3.9	2.3	+0.3	17.1	18	-10.3	4	29	8	+6	13	30	..
Ophir 2	305	7.8	-4.9	1.5	..	16.5	18	-12.4	4	32	6	..	11	13	..
Alexandra	150	8.0	-2.8	2.6	-0.4	16.4	17	-10.0	2	33	10	..	15	13	64
Clyde EWS	171	7.4	-2.4	2.5	-0.4	17.8	18	-8.5	2	39	7	+15	13	13	..
Alexandra Cws	140	8.0	-2.4	2.8	..	17.4	18	-8.9	2	23	8	..	11	13	..
Clyde 2 EWS	170	7.6	-2.9	2.4	..	17.9	18	-9.1	2	38	7	..	15	14	..
Roxburgh Wxt AWS	160	9.0	1.6	5.3	..	16.5	18	-4.5	6	..	..	..	..	..	..
Ettrick No.2	91	9.9	-0.8	4.6	+0.4	16.4	17	-7.3	3	30	8	+1	10	13	..
Tapanui	180	10.6	0.4	5.5	+0.8	15.7	15	..	..	59	..	-5	..	..	..
Winton 2	44	11.6	2.3	7.0	+1.6	16.3	28	-4.0	2	27	10	-36	6	30	106
Gore AWS	123	9.3	1.4	5.4	+0.9	14.6	18	-4.7	2	33	15	-25	14	14	..
Invercargill Aero		10.8	1.5	6.2	+0.9	16.1	28	-5.9	4	30	13	-55	6	16	99
Invercargill Aero AWS	1	11.0	1.4	6.2	+1.1	16.5	28	-6.0	4	31	16	..	8	30	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	27	10	..	7	30	106
Tiwai Point EWS	5	10.8	3.4	7.1	+0.9	15.4	28	-2.7	1	20	14	-66	5	16	..
Balclutha, Telford Ew	11	9.8	-0.3	4.8	..	15.1	15	-6.0	2	34	7	..	12	30	118
Nugget Point AWS	129	9.7	4.3	7.0	+0.9	16.1	18	-1.0	1	22	10	-45	10	14	..
Tautuku	25	11.5	2.5	7.0	+0.9	16.0	17	-3.5	2	33	9	-70	12	30	..
South West Cape AWS	101	10.1	6.8	8.5	+1.0	13.6	28	2.8	3	120	23	+13	33	29	..
Solomon, Taro Is	3	29.6	24.1	26.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	29.8	23.8	26.8	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	23.4	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	30.9	23.4	27.2	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.2	22.3	26.8	..	..	..	..	..	..	..	..	..	..	..
Nauru Upper Air	6	31.0	25.3	28.2	..	32.0	13	23.9	21	..	..	..	..	..	..
Solomon, Santa Cruz	24	29.8	24.2	27.0	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	29.8	..	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	28.6	22.8	25.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	29.0	22.8	25.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	26.3	19.0	22.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	26.4	16.2	21.3	..	..	..	12.0	12	..	..	..	..	..	..
Vanuatu,Aneityum	6	25.5	18.5	22.0	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	23.4	19.1	21.3	..	..	..	16.4	26	37	6	..	23	20	..
New Cal, Oulop	7	24.2	19.5	21.9	..	26.7	19	12.8	30	25	18	..	12	28	..
New Cal, Ouanaham	29	24.7	17.1	20.9	..	27.5	21	8.8	25	..	..	..	..	..	..
New Cal, Poinoimie	13	23.7	19.3	21.5	..	26.3	1	15.2	24	67	13	..	41	20	..
New Cal, La Roche	42	23.2	17.2	20.2	..	25.0	18	10.4	29	31	23	..	11	28	..
New Cal, La Tontouta	14	24.4	14.8	19.6	..	27.7	16	9.9	26	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine July 2012

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		
New Cal, Nouma	72	22.2	19.3	20.8	..	25.8	15	17.7	25	51	14	..	14	20	..
New Cal, Moue	97	22.3	17.8	20.1	..	24.9	19	13.9	30	58	12	..	28	18	..
Kiribati, Tarawa	2	31.4	25.3	28.4	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Nanumea Is	2	..	24.4	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Funafuti Aero	1	31.0	26.1	28.6	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	26.1	..	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi Aero	15	28.2	19.7	24.0	..	30.6	23	15.0	15	..	..	..	..	..	..
Fiji, Nadi EWS	15	28.4	19.7	24.1	..	30.8	23	15.2	15	0	1	..	0	21	..
Fiji, Nausori Aero	6	26.2	20.3	23.3	..	28.3	23	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.3	25.0	27.2	..	30.7	4	22.7	15	..	..	..	..	..	..
Maopoopo, Futuna Isla	36	28.5	24.2	26.4	..	30.0	26	22.2	16	..	..	..	..	..	..
Samoa, Faleolo	4	29.8	22.5	26.2	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.7	23.3	26.5	..	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	30.8	22.4	26.6	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	26.2	17.2	21.7	..	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	25.9	21.0	23.5	..	..	..	..	..	..	..	..	..	..	..
Tonga, Fuaamotu Aero	38	24.6	18.2	21.4	..	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport O	59	..	17.7	..	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	25.5	19.3	22.4	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	28.0	22.2	25.1	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	29.3	23.6	26.5	..	31.0	27	22.1	23	182	22	..	42	9	..
Tahiti - Faa	1	29.1	22.4	25.8	..	30.8	15	19.7	25	..	..	..	..	..	..
Tuamotu, Takaroa	2	27.4	26.0	26.7	..	28.4	5	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	27.1	23.4	25.3	..	29.5	10	21.7	15	..	..	..	..	..	..
Tuamotu, Hereheretue	3	27.1	22.4	24.8	..	29.9	9	17.6	1	69	15	..	23	1	..
Gambier, Rikitea	91	22.9	19.1	21.0	..	..	..	..	..	..	..	..	..	..	..
Tubuai	2	23.8	19.0	21.4	..	..	..	13.7	5	..	..	..	..	..	..
Rapa	1	20.7	16.0	18.4	..	22.9	31	11.6	5	258	21	..	33	5	..
Pitcairn Is	264	20.5	15.7	18.1	..	24.5	..	11.6	19	122	..	..	37	24	161
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	155
Raoul Island AWS	49	19.1	15.1	17.1	..	21.1	4	11.5	10	97	22	..	23	24	..
Enderby Is AWS	40	8.3	5.6	7.0	..	10.3	12	1.1	14	54	23	..	13	28	..
Campbell Island AWS	19	7.7	4.1	5.9	+1.0	9.5	11	-1.4	22	45	27	-61	7	25	..
Chatham Islands AWS	48	11.1	5.8	8.5	+0.3	15.3	20	1.5	24	47	20	-38	22	16	..
Chatham Island EWS	14	11.3	4.8	8.1	..	14.0	20	-0.7	29	55	19	..	30	16	..
Chatham Island Aero A	12	11.6	4.8	8.2	..	14.6	20	-0.6	29	68	28	..	30	16	..
Georg Von Neumayer	40	-24.1	-33.6	-28.9	..	-11.1	4	-46.1	26	..	..	..	..	..	..
Ant South Pole	2827	-57.0	-63.8	-60.4	..	-49.2	4	-76.0	16	..	..	..	..	..	..
Halley Bay	30	-28.6	-37.1	-32.9	..	-20.9	15	-51.4	31	..	..	..	..	..	..
Gen Belgrano 2	32	-19.3	-27.5	-23.4	..	-5.6	3	-38.9	12	..	..	..	..	..	..
Base Jubany	4	-2.4	-8.1	-5.3	..	..	..	..	..	..	..	..	..	..	..
Dinamet	10	-2.8	-8.1	-5.5	..	2.8	19	-15.7	6	..	..	..	..	..	..
V C Marambio	198	-9.3	-16.4	-12.9	..	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	-3.3	-8.1	-5.7	..	0.8	19	-16.5	6	38	15	..	6	25	..
Arturo Prat		-2.7	-7.3	-5.0	..	3.6	25	-14.9	5	..	..	..	..	..	..
Great Wall	10	-3.7	-8.0	-5.9	..	0.3	19	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-4.7	-9.7	-7.2	..	0.2	18	-24.1	20	46	16	..	8	18	..
Palmer Station	8	-1.7	-5.2	-3.5	..	2.8	18	-9.3	7	..	..	..	..	..	..
Rothera Point	16	-5.1	-10.4	-7.8	..	-0.1	17	-17.6	15	..	..	..	..	..	..
Argentine Is, Faraday	11	-1.4	-5.7	-3.6	..	3.5	23	-9.5	26	..	..	..	..	..	..
Gen San Martin	4	-4.5	-11.3	-7.9	..	2.2	21	-23.5	28	..	..	..	..	..	..
King Sejong	11	-3.0	-6.9	-5.0	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-18.3	-20.2	-19.3	..	-5.9	2	-31.3	28	..	..	..	..	..	..
Mawson	16	-16.7	-23.7	-20.2	..	-5.2	1	-33.1	31	..	..	..	..	..	..
Davis	13	-15.9	-24.1	-20.0	..	..	..	..	..	..	..	..	..	..	..
Progress	64	-17.9	-20.8	-19.4	..	-7.8	12	-31.9	19	..	..	..	..	..	..
Vostok	3420	-67.6	-71.6	-69.6	..	-55.5	12	..	..	..	..	..	..	..	..
Casey	41	-13.5	-21.9	-17.7	..	..	..	..	..	..	..	..	..	..	..
Mcmurdo	24	-21.6	-28.5	-25.1	..	-14.2	27	-35.9	8	..	..	..	..	..	..
Ant Scott Base	22	-23.0	-35.5	-29.3	..	-14.8	27	-44.8	7	..	..	..	..	..	..
Ant Arrival Heights E	210	-24.1	-31.7	-27.9	..	-17.2	27	-40.0	8	..	..	..	..	..	..
Ant Scott Base EWS	16	-23.8	-34.8	-29.3	..	-15.5	27	-44.4	7	..	..	..	..	..	..
Darwin Airport	31	30.6	14.7	22.7	..	33.8	15	11.0	10	0	0	..	0	1	..

Summary of the records of Temperature, Rainfall and Sunshine July 2012

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	
Hobart Airport	4	19.9	5.0	12.5	..	30.3	30	0.1	21	30	16	..	11	31	..
Late returns and corrections for June 2012															
Tiri Tiri Lighthouse	76	15.3	10.1	12.7	+0.1	..	..	5.0	..	56	..	-40	7	15	..
Tarapounamu EWS	701	9.8	1.8	5.8	..	14.4	10	-2.2	13	132	13	..	36	6	..
Taupo AWS	400	11.5	2.3	6.9	-0.5	15.9	6	-5.1	17	80	13	-13	22	18	..
Te Kuiti EWS	62	13.5	2.9	8.2	-1.1	17.3	6	-3.6	30	102	17	-47	28	18	127
Turangi 2 EWS	350	12.1	2.1	7.1	-0.3	15.4	6	-4.7	2	117	13	-38	46	18	143
Takaka, Kotinga 2	25	14.0	2.5	8.3	+0.1	18.0	3	-1.5	13	310	15	+105	98	5	..
Arapito EWS	18	12.4	3.7	8.1	..	16.0	5	-0.4	16	238	20	..	38	25	..
Franz Josef	155	12.3	..	..	..	16.0	3	..	..	275	18	-176	58	23	..
Boyle River Lodge	600	7.6	-1.8	2.9	-1.4	14.9	1	-6.9	30	182	23	-26	51	23	..
Akaroa EWS	45	11.5	3.8	7.7	-0.4	19.5	23	-0.1	7	115	16	+14	36	5	97
Lake Tekapo EWS	762	6.9	-3.9	1.5	-1.1	14.6	3	-10.2	7	61	10	..	23	23	155
Windsor EWS	81	11.7	-0.7	5.5	+0.0	17.8	10	-6.1	17	5	5	-29	2	5	..
Cromwell EWS	213	9.4	-1.3	4.1	+0.0	14.4	10	-7.4	30	28	9	..	10	23	140
Tapanui	180	8.5	-0.1	4.2	-1.3	13.7	23	-5.7	17	99	21	+23	14	27	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	121	24	..	22	8	94
Stewart Is	3	9.7	..	..	..	..	..	..	..	192	..	+52	..	..	..
Balclutha, Finegand	6	9.9	1.2	5.6	-0.2	..	..	..	..	74	..	+16	11	26	..
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	127
Late returns and corrections for May 2012															
Windsor EWS	81	13.8	2.2	8.0	+0.3	20.6	24	-4.4	20	8	7	-52	2	8	..
Stewart Is	3	12.6	5.1	8.9	+0.3	17.0	..	..	..	110	..	-42	..	..	..
Balclutha, Finegand	6	13.6	3.8	8.7	+0.6	..	..	..	..	46	..	-14	..	..	..
Raoul Is	38	21.8	16.1	19.0	-0.3	24.6	1	12.9	18	118	17	-9	26	29	193
Late returns and corrections for April 2012															
Raoul Is	38	24.6	19.3	22.0	+1.0	27.8	5	..	..	183	19	+79	104	25	187
Late returns and corrections for March 2012															
Raoul Is	38	25.9	20.5	23.2	+0.7	28.0	25	12.7	2	197	17	+37	74	20	126

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.

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.