

JULY 2013

Summary of the records of Temperature, Rainfall and Sunshine July 2013

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	14.7	10.2	12.5	-0.1	16.9	20	6.1	15	133	15	+5	65	3	..
Kaitaia Aero EWS	80	15.5	7.1	11.3	-0.7	18.6	4	2.2	16	87	12	-49	43	3	..
Kaitaia Observatory	85	15.1	6.9	11.0	..	..	..	..	..	115	15	-54	47	3	143
Kaitaia EWS	85	15.2	7.1	11.2	-0.8	18.0	4	2.7	16	108	15	-48	44	3	147
Kerikeri EWS	79	15.7	..	..	..	..	..	..	..	127	11	-53	92	3	..
Kerikeri Aerodrome Aw	150	14.8	6.6	10.7	-0.4	17.5	6	2.6	13	148	19	-57	96	3	..
Kaikohe AWS	204	13.9	7.3	10.6	-0.4	16.2	4	3.9	16	141	22	-47	60	3	..
Trounson Cws	244	12.9	5.1	9.0	..	15.1	21	1.1	13	150	18	-110	47	13	..
Dargaville 2 EWS	66	15.6	8.4	12.0	+0.9	18.2	21	2.4	13	66	14	-76	22	3	127
Purerua AWS	82	15.3	8.2	11.8	..	17.7	6	4.9	17	87	11	..	61	3	..
Whangarei Aero AWS	37	15.4	6.9	11.2	-0.4	18.3	6	2.2	16	53	14	-116	25	3	..
Mokohinau AWS	60	14.6	11.6	13.1	+0.0	16.4	4	8.3	15	..	..	..	..	..	..
Leigh 2	27	17.0	9.4	13.2	+0.7	20.2	20	5.0	15	42	15	-88	14	3	..
Warkworth EWS	72	14.7	5.3	10.0	-0.4	17.2	4	-0.6	16	38	10	-142	13	3	..
Whangaparaoa AWS	89	14.6	9.0	11.8	+0.2	16.8	20	5.6	15	46	15	-55	19	3	..
Auckland, Whenuapai A	26	15.0	5.7	10.4	+0.2	17.0	4	-0.7	16	..	..	..	..	..	..
Auckland, North Shore	64	15.0	6.8	10.9	..	17.3	4	1.0	16	39	13	..	9	3	147
Auckland, Henderson,	7	15.9	5.8	10.9	+0.6	18.9	5	-0.2	16	58	13	-132	18	9	..
Lincoln Rd, Auckland	25	15.1	7.3	11.2	+0.0	..	..	..	..	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	15.7	8.0	11.9	+0.6	18.7	4	3.3	15	..	..	..	..	..	..
Waiheke Island, Awaro	34	15.5	5.5	10.5	..	18.2	4	0.5	17	35	7	-119	11	3	..
Whitianga Aero AWS	5	14.9	4.7	9.8	-0.5	16.9	6	0.1	16	53	20	-189	21	3	..
Thames 2	3	14.5	6.6	10.6	+0.2	17.0	4	-0.3	16	60	16	-88	13	11	105
Paeroa AWS	18	14.1	5.2	9.7	+0.0	17.4	4	-2.6	16	66	16	-95	29	11	..
Toenepi EWS	48	14.1	4.2	9.2	-0.1	..	..	..	..	33	13	..	11	9	..
Matamata, Hinuera EWS	106	14.2	2.8	8.5	+0.2	..	..	..	..	..	..	..	..	..	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	172
Tauranga Aero AWS	4	14.9	5.8	10.4	+0.1	18.8	4	0.6	15	61	7	-68	42	11	..
Te Puke EWS	91	15.1	4.7	9.9	+0.4	18.6	4	0.1	9	67	8	-96	40	11	..
Whakatane Aero AWS	7	14.8	3.1	9.0	+0.1	18.7	4	-1.4	17	57	11	-75	23	11	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	194
White Island AWS	310	12.9	8.6	10.8	..	15.6	30	5.1	16	45	13	..	17	11	..
Mamaku Radar Wxt AWS	617	9.2	4.8	7.0	..	13.1	4	-0.5	16	..	..	..	..	..	..
Kawerau AWS	42	15.1	3.4	9.3	..	19.4	4	-1.0	17	..	..	..	..	..	..
Rotorua Aero AWS	283	12.3	2.9	7.6	-0.2	15.6	4	-1.6	16	45	10	-90	24	11	..
Galatea AWS	174	13.0	0.9	7.0	..	16.3	4	-3.5	17	..	..	..	..	..	..
Taupo Wxt AWS	385	11.7	4.6	8.2	..	14.8	4	-0.4	16	..	..	..	..	..	..
Tarapounamu EWS	701	9.2	3.0	6.1	..	12.6	29	-0.4	16	55	14	..	13	9	..
Taupo AWS	400	11.3	2.5	6.9	+0.4	14.3	4	-3.4	29	33	13	-63	11	13	..
Opotiki	5	15.9	3.6	9.8	+0.2	19.8	4	-1.0	17	70	8	-61	23	9	..
Motu EWS	488	13.3	0.7	7.0	+0.9	17.7	23	-5.9	17	81	12	-135	22	13	..
Auckland, Mangere EWS	5	15.2	6.9	11.1	+0.2	17.4	4	2.0	16	32	12	-106	10	9	140
Pakuranga, Auckland R	15	16.4	6.1	11.3	+1.1	..	..	..	..	..	..	..	..	..	..
Penrose Ews, Auckland	30	15.2	6.3	10.8	-0.3	..	..	..	..	..	..	..	..	..	..
Auckland Aero	7	15.0	7.8	11.4	+0.5	18.3	31	2.7	16	46	12	-87	9	9	..
Auckland, Ardmore	23	15.5	5.4	10.5	+0.5	18.0	4	0.5	15	57	12	-83	12	7	..
Pukekohe EWS	88	14.5	6.7	10.6	+0.4	17.4	4	2.3	16	51	12	-100	12	9	..
Firth Of Thames EWS	1	15.8	4.4	10.1	..	19.1	4	-3.3	16	37	12	..	9	11	..
Hamilton, Ruakura 2 E	45	15.9	3.2	9.6	+0.7	19.8	4	-4.0	16	31	14	-87	10	9	120
Hamilton AWS	53	14.1	3.6	8.9	+0.2	17.0	4	-3.1	16	39	14	-90	12	9	..
Lake Karapiro Cws	55	13.1	4.9	9.0	..	17.2	4	0.4	16	25	12	..	11	11	..
Port Taharoa AWS	27	15.0	8.9	12.0	+1.0	17.0	7	3.2	16	31	14	..	9	9	..
Waikeria 2	46	14.3	3.6	9.0	+0.5	17.2	4	-3.8	16	11	7	-106	4	23	..
Te Kuiti EWS	62	13.7	3.7	8.7	+0.0	17.0	4	-1.9	16	32	12	-132	11	7	121
Pureora Forest Cws	549	10.0	2.4	6.2	..	15.8	4	-3.3	15	39	15	..	8	9	..
Taumarunui	171	12.7	4.2	8.5	+1.1	16.5	5	0.1	9	62	..	-86	17	10	..
Taumarunui AWS	195	12.5	3.1	7.8	..	17.2	5	-2.0	30	76	23	..	22	10	..
Turang 2 EWS	350	12.6	1.9	7.3	+0.7	16.3	4	-4.2	30	56	10	-95	18	10	165
New Plymouth AWS	30	13.6	6.2	9.9	+0.2	15.7	4	..	..	..	..	..	..	..	141
Lower Retaruke Cws	233	10.5	4.0	7.3	..	14.2	31	-0.7	30	10	16	-140	2	6	..
Mt Ruapehu, Chateau E	1097	8.4	-0.6	3.9	+0.8	14.1	21	-5.2	16	128	16	-135	24	10	..
Pahiatua EWS	110	11.9	5.0	8.5	..	16.7	4	-2.9	9	106	14	..	53	11	..
Alfredton Raws	240	12.6	5.3	9.0	..	17.2	29	-4.6	9	153	15	..	80	11	..

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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		
Masterton Aero AWS	138	14.5	2.0	8.3	..	17.8	5	-3.1	31	80	14	..	27	11	..
Masterton, Te Ore Ore	110	15.0	3.1	9.1	..	19.1	21	-1.8	9	85	9	-43	29	11	..
Kopua	311	13.3	4.0	8.7	+1.2	19.2	5	-1.0	30	168	8	+52	72	10	..
Takapau Plains AWS	330	12.4	3.5	8.0	+0.9	18.2	6	-1.0	30	163	17	..	57	10	..
Dannevirke EWS	207	13.8	4.7	9.3	..	18.0	6	-2.0	30	123	10	..	56	10	151
Waione Raws	48	14.3	6.1	10.2	+1.6	..	..	..	..	132	8	-6	60	11	..
Cape Turnagain AWS	292	11.6	7.7	9.7	..	15.5	5	0.0	11	..	..	..	..	..	..
Akitio EWS	245	13.3	7.0	10.2	..	16.2	6	0.7	9	166	10	..	82	11	..
Castlepoint Station	9	14.5	8.6	11.6	+1.4	16.6	19	3.5	9	93	8	-20	22	11	..
Castlepoint AWS	120	13.2	8.8	11.0	+1.1	15.6	29	2.5	9	88	8	-33	23	14	..
Baring Head	79	12.7	8.3	10.5	..	14.6	3	2.5	9	69	10	..	34	9	..
Te Wharau, Brackenfie	292	13.5	4.0	8.8	..	15.8	28	-2.3	9	228	7	..	109	11	..
Martinborough EWS	20	14.1	4.0	9.1	+1.3	17.4	19	-1.7	9	65	10	..	14	11	142
Ngawi AWS	6	14.3	9.3	11.8	+1.6	17.2	18	3.9	9	161	8	..	69	12	..
Hicks Bay AWS	46	15.0	7.7	11.4	+0.2	18.9	6	2.6	17	170	13	+8	70	13	..
Gisborne AWS	5	15.1	3.9	9.5	-0.2	19.8	5	-0.5	17	143	9	+13	60	13	195
Gisborne EWS	12	15.6	4.6	10.1	..	19.8	5	-0.3	17	140	8	..	69	13	..
Tolaga Bay Wxt AWS	12	14.6	5.3	10.0	..	19.6	6	0.7	17	173	14	..	58	13	..
Tutira Cws	235	13.8	4.0	8.9	..	18.0	5	-0.7	17	152	9	..	70	10	..
Napier Aero AWS	3	14.9	4.1	9.5	+0.4	21.4	6	-0.9	17	108	8	-4	61	10	..
Napier Nelson Pk	2	15.2	4.1	9.7	+0.2	21.5	6	-1.2	29	249	8	+140	126	13	194
Hastings AWS	16	14.8	2.7	8.8	..	20.8	6	-1.8	17	159	15	..	65	10	..
Whakatu EWS	5	14.9	2.2	8.6	+0.4	20.5	6	-2.1	17	130	8	..	57	10	..
Waipawa EWS	130	14.0	1.7	7.9	..	18.9	6	-1.9	17	170	10	..	77	10	175
Wairoa, North Clyde E	15	16.2	4.4	10.3	+1.0	21.5	5	0.9	17	127	7	-7	48	13	..
Mahia Radar Wxt AWS	419	12.1	7.6	9.9	..	17.0	6	2.4	16	..	..	..	..	..	..
Mahia AWS	136	13.9	8.1	11.0	+1.0	18.8	6	4.0	16	123	8	-16	48	13	..
Cape Kidnappers Wxt A	118	13.1	8.7	10.9	..	18.4	6	4.2	15	..	..	..	..	..	..
Paraparaumu Aero	5	13.5	7.3	10.4	+1.7	15.8	7	-1.3	9	45	15	-50	16	9	127
Paraparaumu Aero AWS	5	13.3	7.4	10.4	+1.8	15.5	3	-1.1	9	46	15	-45	16	9	134
Ohakea AWS	50	13.4	6.9	10.2	..	16.6	4	0.9	15	..	..	..	..	..	..
Palmerston North AWS	39	13.6	6.1	9.9	+1.4	17.1	4	-1.1	9	52	18	-33	16	11	..
Palmerston North EWS	21	13.4	6.3	9.9	+1.2	17.4	4	-0.9	9	37	18	-51	15	11	87
Levin AWS	14	13.6	6.5	10.1	+1.6	16.4	4	-1.0	16	36	16	-63	15	11	..
Mana Island	2	13.4	8.2	10.8	+0.8	15.6	3	1.6	9	87	23	-20	28	9	..
Mana Island AWS	100	11.4	8.3	9.9	..	13.4	3	2.9	9	81	15	..	29	9	..
Wellington, Kelburn A	125	12.5	7.8	10.2	+1.3	15.4	29	2.5	9	101	17	-36	40	9	..
Wellington Aero	4	13.4	8.3	10.9	+1.3	15.7	3	2.7	9	114	9	+1	34	9	..
Wallaceville EWS	56	13.3	4.8	9.1	+1.2	16.7	19	-3.4	9	121	10	-12	27	14	120
Stratford EWS	300	12.5	4.8	8.7	+1.1	15.3	29	1.8	29	76	13	-132	25	9	117
Hawera AWS	98	13.0	6.2	9.6	+1.2	15.6	4	1.8	13	70	19	-49	11	13	..
Waiouru Treatment Pla	806	8.9	1.4	5.2	+0.9	14.6	4	-2.6	29	102	17	-2	51	10	..
Waiouru Airstrip AWS	818	7.8	0.7	4.3	..	13.3	5	-3.0	31	80	22	..	23	11	..
Taihape Rec	433	11.7	1.4	6.6	+0.5	16.2	4	-4.5	31	87	19	+8	25	10	..
Flat Hills Wxt AWS	263	12.0	5.4	8.7	..	17.3	4	0.7	16	81	16	-5	38	11	..
Wanganui, Spriggens Pa	15	14.0	7.9	11.0	+1.5	17.6	4	3.1	13	30	12	-55	8	7	..
Wanganui AWS	8	13.7	8.1	10.9	+1.4	17.1	4	3.0	13	30	14	-59	5	7	..
Wanganui 2 AWS	18	14.3	7.2	10.8	..	18.8	4	2.9	13	..	..	..	..	..	..
Takaka EWS	20	14.9	2.0	8.5	+0.7	19.2	18	-3.1	15	57	7	-139	22	23	194
Farewell Spit AWS	3	14.2	8.0	11.1	+1.4	16.6	19	4.6	16	61	11	-41	22	6	..
Westport Aero AWS	2	13.9	5.2	9.6	+0.9	16.2	18	0.7	15	135	20	-4	25	23	..
Arapito	18	13.5	4.2	8.9	+0.4	16.1	5	-1.5	15	101	14	-91	20	5	123
Arapito EWS	18	13.8	4.2	9.0	..	16.5	5	-1.6	15	109	17	..	21	5	..
Hokitika Aero	39	12.5	4.4	8.5	+1.1	15.0	2	-4.0	12	299	20	+81	66	23	108
Hokitika AWS	38	12.4	4.4	8.4	+1.0	14.9	2	-3.9	12	249	19	+66	55	23	123
Reefton EWS	198	11.9	2.9	7.4	+2.2	16.6	19	-4.8	11	117	14	-52	24	5	93
Greymouth Aero EWS	5	13.0	5.6	9.3	..	15.7	2	-1.5	15	201	20	..	38	23	100
Pigeon Creek Cws	105	11.2	4.2	7.7	..	13.5	2	-2.7	12	473	20	..	79	5	..
Mt Philistine EWS	1655	2.6	-2.6	0.0	..	6.8	31	-8.4	15	273	21	..	72	5	..
Mahanga EWS	1995	1.3	-4.6	-1.7	..	7.7	29	-11.5	15	46	17	..	11	23	..
Ivory Glacier Cws	1390	2.5	-1.7	0.4	..	5.5	29	-6.1	9	616	23	..	179	5	..
Okarito	2	12.6	4.6	8.6	+1.1	14.4	2	-3.5	8	179	20	-28	30	17	..
Franz Josef	155	12.2	4.2	8.2	+1.0	16.0	19	-0.5	10	369	19	+17	65	5	..

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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		
Franz Josef EWS	80	12.2	3.6	7.9	+1.1	13.8	20	-2.9	12	267	19	..	47	17	135
Haast AWS	5	11.9	5.2	8.6	+0.9	14.7	15	-2.6	15	352	24	..	54	26	..
Milford Sound	3	10.6	4.3	7.5	+2.2	14.3	5	-2.0	13	917	25	+493	134	2	..
Castle Mount EWS	2000	0.0	-5.7	-2.9	..	4.9	12	-10.8	15	142	15	..	43	18	..
Secretary Island AWS	19	12.0	7.9	10.0	+0.9	14.2	27	3.6	14	364	25	+112	40	4	..
Puysegur Point AWS	44	11.8	8.3	10.1	+1.9	15.5	21	3.6	12	244	25	+52	48	4	..
Stephens Island	187	12.7	8.2	10.5	+1.3	14.8	19	-0.1	11	62	12	..	36	9	..
Motueka, Riwaka EWS	8	15.6	0.4	8.0	+1.1	19.5	3	-4.0	16	27	8	-104	8	9	..
Nelson Aero	2	14.0	2.2	8.1	+0.9	16.6	3	-2.1	11	21	7	-57	7	6	176
Appleby 2 EWS	18	14.2	1.3	7.8	+0.4	16.6	3	-3.5	16	27	7	..	9	6	168
Nelson AWS	4	14.0	2.9	8.5	+1.1	16.8	3	-1.7	11	19	9	..	6	6	..
Blenheim Research EWS	4	14.8	3.4	9.1	+1.4	19.0	2	-1.3	11	35	6	-35	19	12	181
Wairau Valley, Mill R	172	13.7	2.8	8.3	..	17.6	21	-3.0	11	48	6	..	25	12	..
Blenheim Aero AWS	35	14.5	1.9	8.2	+1.1	18.6	2	-3.6	9	34	7	-41	17	12	..
Brothers Island AWS	68	12.5	9.3	10.9	+0.7	15.2	26	5.3	15	66	13	..	32	9	..
Awatere Valley, Dashw	83	13.4	3.1	8.3	+0.9	16.9	18	-3.1	9	32	6	..	24	12	..
Grassmere Salt Works	2	14.0	6.3	10.2	+1.7	18.3	25	1.6	1	61	14	-8	41	12	..
Cape Campbell AWS	2	11.8	8.1	10.0	+0.8	15.5	2	4.0	15	116	11	+50	64	12	..
Hanmer Forest EWS	363	12.4	-0.5	6.0	+1.9	18.4	22	-5.3	31	84	12	-24	23	5	..
Kaikoura AWS	105	13.6	7.0	10.3	+2.2	20.4	5	2.2	9	86	9	-6	32	12	..
Arthurs Pass	738	7.0	1.1	4.1	+2.2	10.9	19	-8.3	12	498	17	+193	92	5	..
Arthurs Pass EWS	738	7.1	1.3	4.2	+2.5	11.3	19	-8.4	12	423	16	+66	90	5	..
Culverden AWS	181	13.3	1.8	7.6	..	18.8	21	-4.5	31	..	..	..	..	..	..
Waipara North Branch	560	11.0	3.4	7.2	..	15.2	22	-4.7	12	71	11	..	17	5	..
Waiiau School Cws	136	13.7	1.9	7.8	..	19.5	22	-4.3	31	44	10	..	16	12	..
Cheviot EWS	75	14.1	2.9	8.5	..	19.4	22	-2.8	31	68	11	..	30	12	174
Upper Rakaia EWS	1752	3.7	-2.4	0.7	..	12.4	31	-8.9	10	80	20	..	17	5	..
Mt Cook EWS	730	9.5	-0.2	4.7	+2.5	16.5	21	-7.0	12	417	17	+152	145	5	74
Craigieburn Forest	914	8.2	-0.9	3.7	+1.2	13.6	21	-8.3	12	153	5	+9	61	5	..
Snowdon Raws	560	11.1	3.0	7.1	+2.3	15.6	21	-6.7	12	45	11	..	12	5	..
Methven, Three Spring	305	12.5	1.9	7.2	..	19.0	3	-4.1	12	33	9	..	10	9	..
Chertsey Cws	108	12.8	3.1	8.0	..	18.5	3	-3.1	12	38	8	..	9	14	..
Peel Forest	286	13.3	1.2	7.3	+2.5	19.8	5	-5.3	12	41	6	-30	15	23	..
Lismore, Racemans Hou	168	13.3	3.2	8.3	..	19.3	2	-4.1	12	22	5	..	10	23	..
Ashburton Council	101	13.9	2.0	8.0	+2.3	20.3	5	-3.0	31	26	11	-38	7	9	..
Ashburton Aero AWS	89	13.2	2.0	7.6	..	19.3	2	-4.3	12	27	10	..	7	23	178
Wakanui Cws	53	13.1	2.5	7.8	..	20.0	5	-3.9	12	23	7	..	6	9	..
Waipara West EWS	130	14.4	4.9	9.7	..	19.8	2	-1.0	12	42	10	..	12	5	..
West Eyreton, Larunde	88	12.5	0.8	6.7	..	18.1	2	-4.3	9	..	..	..	..	..	..
Rangiora EWS	23	14.7	0.4	7.6	+1.7	21.2	3	-4.0	9	21	7	..	5	14	151
Darfield	195	13.0	3.7	8.4	+2.4	19.9	21	-3.2	12	48	8	-26	11	14	..
Christchurch Aero	37	13.5	1.5	7.5	+1.7	19.5	2	-4.4	9	47	15	-18	12	14	..
Christchurch Gardens	7	13.8	3.0	8.4	+1.8	20.5	2	-1.4	1	49	12	-19	20	14	..
Christchurch, Kyle St	6	13.8	2.3	8.1	+1.8	20.2	2	-2.4	1	49	12	..	18	14	..
Christchurch, New Bri	12	12.9	5.9	9.4	..	19.4	2	1.8	12	..	..	..	..	..	..
Lincoln, Broadfield E	18	13.4	2.3	7.9	+1.8	19.8	2	-3.9	12	30	9	-28	9	14	..
Sugar Loaf AWS	618	11.7	5.7	8.7	..	16.6	3	-0.4	15	..	..	..	..	..	..
Lyttelton Harbour	5	13.4	6.3	9.9	+2.5	19.6	2	3.0	11	35	9	..	17	14	..
Leeston Raws	15	14.1	2.4	8.3	..	20.4	2	-3.6	12	38	14	..	11	14	..
Dorie Cws @ Leferinks	55	13.2	2.7	8.0	..	18.6	2	-3.9	12	16	9	..	5	14	..
Akaroa EWS	45	14.9	6.7	10.8	+3.4	20.8	2	2.9	11	62	7	-69	21	14	136
Lake Tekapo, Air Safa	762	9.0	-0.8	4.1	+2.7	15.3	5	-7.7	13	67	11	+17	44	3	..
Lake Tekapo EWS	762	9.5	-0.4	4.6	+3.0	15.7	5	-7.6	11	29	8	..	14	5	156
Fairlie AWS	403	12.5	2.5	7.5	..	19.1	5	-2.1	12	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	10.3	-1.8	4.3	..	17.5	5	-7.6	12	35	14	..	17	5	..
Hakataramea Valley Cw	355	12.5	0.8	6.7	..	18.3	5	-6.7	12	5	3	..	2	6	..
Orari Estate	81	13.5	-1.6	6.0	+1.0	19.8	3	-7.4	12	20	6	-37	6	9	..
Orari Estate Cws	81	12.8	1.0	6.9	..	19.9	3	-4.1	12	18	6	..	6	23	..
Timaru Aero AWS	26	13.6	-0.1	6.8	+1.8	19.9	5	-5.0	12	11	9	-35	5	9	..
Timaru EWS	17	12.7	2.3	7.5	+1.8	20.4	2	-3.4	12	5	8	-39	2	5	..
Waimate Cws	39	12.9	1.9	7.4	..	19.8	5	-3.5	12	2	4	..	1	18	..
Oamaru Airport AWS	30	12.8	1.6	7.2	+1.7	19.0	17	-3.5	13	3	3	-38	2	18	..
Albert Burn	1280	4.5	-1.3	1.6	..	10.0	19	-7.8	10	373	20	..	98	2	..

Summary of the records of Temperature, Rainfall and Sunshine July 2013

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		
Tuvalu,Funafuti Aero	1	31.4	25.8	28.6	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	28.6	19.7	24.2	..	..	..	14.5	5	..	..	..	..	..
Fiji,Nausori Aero	6	26.5	20.5	23.5	..	28.9	7	15.4	24	..	..	..	..	..
Wallis Island, Hihifo	27	29.3	24.2	26.8	..	30.6	20	21.9	29	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.0	24.4	26.7	..	..	..	22.2	13	271	25	..	70	12
Samoa,Faleolo	4	30.3	22.8	26.6	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.8	24.1	27.0	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.0	25.0	27.0	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	30.0	25.9	28.0	..	..	..	..	..	..	..	..	..	..
Tonga,Keppel	2	28.9	22.9	25.9	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	26.3	20.7	23.5	..	..	..	15.5	25	..	..	..	..	..
Salote Pilolevu Airpo	2	26.1	21.7	23.9	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	25.7	20.8	23.3	..	27.5	24	..	..	..	..	..	..	..
Niue, Hanan Airport O	59	..	20.8	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	25.5	20.0	22.8	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	7	25.3	20.7	23.0	..	27.3	15	17.5	30	139	18	..	64	22	
Vanuatu, Saratamata	18	28.0	21.7	24.9	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	29.0	22.9	26.0	..	..	..	20.8	2	176	21	..	51	24
Tahiti - Faaa	1	28.2	20.9	24.6	..	29.8	2	19.0	28	..	..	..	..	..
Tuamotu, Takaroa	2	26.7	24.9	25.8	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	25.9	22.2	24.1	..	27.5	3	18.1	27	..	..	..	..	..
Tuamotu, Hereheretue	3	25.5	21.0	23.3	..	27.7	2	..	..	..	..	..	..	..
Gambier, Rikitea	91	22.0	18.1	20.1	..	25.4	4	14.9	25	197	22	..	33	8	
Tubuai	2	23.3	18.5	20.9	..	..	..	..	..	..	..	..	..	..
Rapa	1	19.6	15.7	17.7	..	23.0	1	11.4	10	150	21	..	44	3	
Pitcairn Is	264	19.8	15.2	17.5	..	23.3	4	12.0	16	139	..	..	33	24
Pitcairn Island AWS	264	19.3	15.8	17.6	..	22.6	3	13.0	16	153	21	..	36	24	
Raoul Island AWS	49	19.1	15.2	17.2	..	..	..	..	..	..	..	..	..	..
Enderby Is AWS	40	8.5	4.9	6.7	..	10.4	19	-1.1	25	0	0	..	0	1	
Campbell Island AWS	19	7.5	3.2	5.4	+0.5	10.1	19	-3.2	26	74	29	-32	7	5	
Chatham Island EWS	12	12.4	5.8	9.1	..	14.9	22	-2.3	10	35	15	..	16	14	
Chatham Island Aero A	12	12.3	5.7	9.0	..	15.6	1	-2.5	10	44	22	..	17	14	
Georg Von Neumayer	40	-19.7	-28.9	-24.3	..	-8.0	8	-39.0	7	..	..	..	..	..
Ant South Pole	2827	-54.8	-62.5	-58.7	..	-36.9	8	-72.4	16	..	..	..	..	..
Halley Bay	30	-21.6	-30.9	-26.3	..	-14.2	26	-45.0	9	..	..	..	..	..
Gen Belgrano 2	32	..	-23.6	..	..	..	..	-30.5	31	..	..	..	..	..
Bellingshausen	16	-4.7	-8.5	-6.6	..	..	..	-18.1	21	..	..	..	..	..
Base Jubany	4	-2.3	-10.2	-6.3	..	1.6	10	-20.8	20	..	..	..	..	..
Dinamet	10	-3.2	-8.6	-5.9	..	1.0	2	-19.0	20	..	..	..	..	..
V C Marambio	198	-14.5	-21.7	-18.1	..	4.3	22	-31.4	20	..	..	..	..	..
Eduardo Frei	10	-3.3	-8.7	-6.0	..	-0.2	10	-19.8	20	..	..	..	..	..
Arturo Prat	..	-3.4	-8.3	-5.9	..	0.7	21	-17.9	20	..	..	..	..	..
Great Wall	10	-3.6	-8.8	-6.2	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-5.1	-10.3	-7.7	..	12.2	28	-18.0	20	..	..	..	..	..
Palmer Station	8	-2.4	-7.6	-5.0	..	1.2	1	-18.5	31	..	..	..	..	..
Rothera Point	16	-6.4	-13.1	-9.8	..	1.6	22	..	..	..	..	..	..	..
Argentine Is, Faraday	11	-3.7	-8.0	-5.9	..	1.3	24	-18.2	31	..	..	..	..	..
Gen San Martin	4	-7.5	-13.7	-10.6	..	..	..	..	..	..	..	..	..	..
King Sejong	11	-3.0	-8.1	-5.6	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-15.3	-18.8	-17.1	..	-5.4	1	..	..	..	..	..	..	..
Mawson	16	-14.3	-20.2	-17.3	..	-6.6	4	-27.4	15	..	..	..	..	..
Davis	13	-12.6	-18.4	-15.5	..	-6.6	23	-26.7	17	..	..	..	..	..
Progress	64	-13.3	-16.7	-15.0	..	-5.3	2	..	..	..	..	..	..	..
Mirnyj	30	-15.6	-18.6	-17.1	..	..	..	-26.8	28	..	..	..	..	..
Vostok	3420	-62.7	-67.9	-65.3	..	..	..	-79.2	30	..	..	..	..	..
Casey	41	-14.6	-22.3	-18.5	..	0.5	19	-32.1	31	..	..	..	..	..
Durmont Durville	43	-17.6	-24.2	-20.9	..	-9.5	29	-33.4	23	..	..	..	..	..
Mcmurdo	24	-22.6	-30.0	-26.3	..	-13.3	24	-38.0	10	..	..	..	..	..
Ant Scott Base	22	-24.0	-34.8	-29.4	..	-14.1	24	-46.5	21	0	0	..	0	1	
Ant Arrival Heights E	218	-24.7	-32.4	-28.6	..	-15.5	24	-41.1	10	..	..	..	..	..
Darwin Airport	31	31.5	15.4	23.5	..	33.7	8	11.1	9	0	0	..	0	1	
Hobart Airport	4	19.0	5.9	12.5	..	32.2	15	0.3	10	68	13	..	43	21	

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 June 2013															
Mana Island	2	13.6	7.9	10.8	-0.1	17.6	11	2.6	26	161	..	+61	44	17	..
Arapito	18	13.6	5.3	9.5	+0.4	17.5	12	0.0	22	157	11	-61	61	1	116
Mahanga EWS	1995	1.4	-3.6	-1.1	..	9.4	10	-10.4	21	186	19	..	49	3	..
Rangiora EWS	23	12.4	0.8	6.6	+0.1	20.4	1	-4.0	29	99	11	..	38	16	110
Timaru EWS	17	10.2	2.1	6.2	-0.3	17.6	2	-3.1	29	176	14	+140	55	16	..
Windsor EWS	81	10.8	1.8	6.3	+0.8	20.1	2	-3.0	7	179	11	+145	68	16	..
Middlemarch EWS	213	8.5	0.2	4.4	+0.1	20.4	1	-6.0	5	136	15	..	26	21	65
Manapouri, West Arm J	178	8.5	1.9	5.2	+1.3	13.0	1	-2.2	23	251	23	..	150	1	..
Tapanui	180	9.0	1.9	5.5	+0.0	16.6	..	..	..	102	..	+26	..	..	..
Solomon, Honiara	56	32.0	24.0	28.0	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.5	22.9	27.2	..	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for May 2013															
Mahanga EWS	1995	3.0	-1.9	0.6	..	12.5	13	-11.9	29	92	15	..	47	2	..
Rangiora EWS	23	15.3	3.2	9.3	+0.3	23.1	12	-3.2	30	32	12	..	9	19	137
Late returns and corrections for April 2013															
Stewart Is	3	14.5	7.5	11.0	+0.4	20.0	28	0.0	10	168	..	+35	36	26	..
Balclutha, Finegand	6	16.2	4.8	10.5	-0.2	23.9	2	-3.1	10	49	..	+1	..	..	..

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.