

JULY 2011

Summary of the records of Temperature, Rainfall and Sunshine July 2011

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	14.8	10.3	12.6	..	17.0	1	6.8	25	140	23	+7	45	22	..
Kaitaia Aero EWS	80	15.7	9.3	12.5	..	17.5	13	1.6	26	154	21	..	57	22	..
Kaitaia Observatory	85	15.4	8.6	12.0	..	17.3	2	1.8	26	175	24	+2	54	22	128
Kaitaia EWS	85	15.3	8.9	12.1	+0.2	17.3	18	1.8	26	172	21	..	52	22	141
Kerikeri EWS	79	16.2	8.1	12.2	+0.9	18.8	28	0.4	26	160	22	-15	72	22	..
Kerikeri Aerodrome Aw	150	15.0	7.7	11.4	..	21.9	28	0.1	26	213	29	..	70	22	..
Kaikohe AWS	204	14.6	9.0	11.8	+0.9	16.7	10	2.6	26	204	27	+29	62	22	..
Trounson Cws	220	13.0	7.1	10.1	..	15.4	23	-0.8	26	294	27	..	100	22	..
Dargaville 2 EWS	66	15.5	8.6	12.1	..	17.9	23	1.4	16	142	24	..	35	22	131
Purerua AWS	82	15.5	9.2	12.4	..	18.2	28	2.9	26	103	22	..	41	22	..
Whangarei Aero AWS	37	15.6	8.6	12.1	+0.6	18.4	13	2.3	26	111	25	-51	31	22	..
Mokohinau AWS	60	14.9	11.4	13.2	..	16.6	7	6.6	25	51	17	-82	12	22	..
Leigh 2	27	16.3	9.4	12.9	+0.5	18.4	10	2.7	26	81	22	-49	19	14	..
Warkworth EWS	72	14.3	7.5	10.9	..	16.5	13	0.2	26	163	23	-18	35	22	..
Whangaparaoa AWS	89	14.5	8.9	11.7	..	16.4	7	3.4	26	113	25	..	24	22	..
Tiri Tiri Lighthouse	76	14.1	9.4	11.8	+0.3	..	..	5.0	26	108	23	-5	26	22	..
Whenuapai AWS	26	14.7	7.3	11.0	..	17.3	23	0.1	26	..	..	..	..	..	..
North Shore, Auckland	20	16.0	8.2	12.1	..	..	..	1.6	26	..	..	..	..	..	..
North Shore Albany Ew	64	14.7	7.5	11.1	..	16.8	9	0.6	26	145	23	..	27	22	135
Auckland, Henderson,	7	15.6	7.3	11.5	+1.2	18.1	23	0.4	1	170	23	-31	25	22	..
Lincoln Rd, Auckland	25	15.6	6.7	11.2	..	..	..	-0.1	26	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	15.5	7.8	11.7	..	..	..	3.6	26	..	..	..	..	..	..
Waiheke Island, Awaro	34	15.2	7.3	11.3	..	17.2	23	-0.5	26	147	18	-9	44	22	..
Whitianga Aero AWS	5	14.5	7.4	11.0	+0.7	16.7	11	-0.4	26	239	27	+26	57	22	..
Thames 2	3	14.6	7.3	11.0	+0.5	17.4	23	1.6	26	125	..	-17	19	21	..
Paeroa AWS	18	14.1	6.2	10.2	+0.7	16.4	10	-1.8	26	195	26	+44	29	21	..
Toenepi EWS	48	14.3	5.6	10.0	..	16.8	18	-0.5	18	153	19	..	22	11	..
Matamata, Hinuera EWS	106	13.2	4.1	8.7	..	16.9	22	-3.6	26	122	21	..	19	13	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	153
Tauranga Aero AWS	4	15.1	7.4	11.3	+1.3	17.8	11	1.1	16	94	17	-35	21	11	..
Te Puke EWS	91	14.6	5.7	10.2	..	17.2	24	-1.2	16	93	15	-82	18	11	..
Whakatane Aero AWS	7	14.8	5.3	10.1	+1.1	17.7	24	-1.0	16	73	14	-56	13	13	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	150
Mamaku Radar Wxt AWS	617	8.7	4.2	6.5	..	11.9	5	-1.3	26	..	..	..	..	..	..
Kawerau AWS	42	14.6	4.4	9.5	..	18.2	24	-0.9	16	..	..	..	..	..	140
Rotorua Aero AWS	283	11.8	4.4	8.1	+0.4	14.9	22	-2.6	16	99	17	-45	18	7	..
Galatea AWS	174	12.6	2.3	7.5	..	15.1	22	-3.2	19	..	..	..	..	..	..
Taupo Wxt AWS	385	11.0	4.1	7.6	..	14.9	23	-1.8	16	..	..	..	..	..	..
Tarapounamu EWS	701	7.2	1.6	4.4	..	11.3	1	-4.0	26	180	22	..	35	7	..
Taupo AWS	400	10.6	3.1	6.9	+0.2	13.9	23	-4.0	16	133	18	..	22	11	..
Opotiki	5	15.1	4.2	9.7	+0.3	21.2	1	-2.6	16	87	8	-35	25	23	..
Motu EWS	488	10.4	2.7	6.6	..	14.1	18	-5.3	16	186	20	..	40	7	..
Otamatuna, Te Mapou H	624	8.9	2.6	5.8	..	14.4	23	-2.7	26	..	..	..	..	..	..
Auckland, Mangere EWS	5	15.1	8.2	11.7	..	18.3	23	1.9	26	106	20	..	14	14	153
Pakuranga, Auckland R	15	15.5	7.8	11.7	..	..	..	3.6	26	..	..	..	..	..	..
Penrose Ews, Auckland	30	15.7	6.5	11.1	..	..	..	0.0	26	..	..	..	..	..	..
Auckland Aero	33	14.9	8.0	11.5	+0.7	18.3	23	1.5	26	104	21	-33	11	22	..
Auckland, Ardmore	23	15.3	6.1	10.7	+0.8	19.4	23	-1.0	26	104	20	-41	13	14	..
Pukekohe EWS	88	14.7	7.2	11.0	+0.9	18.4	23	0.5	26	137	21	..	29	11	..
Firth Of Thames EWS	1	16.6	5.7	11.2	..	19.0	10	-1.7	26	195	21	..	37	23	..
Whatawhata 2 EWS	118	13.4	6.1	9.8	..	16.3	23	-0.7	26	256	22	..	37	7	..
Hamilton, Ruakura 2 E	45	12.7	3.8	8.3	..	15.4	23	-4.3	26	151	20	..	20	12	139
Hamilton AWS	53	13.9	4.7	9.3	+0.8	16.6	22	-3.1	26	169	22	+32	27	7	..
Lake Karapiro Cws	55	13.1	5.7	9.4	..	16.0	22	-0.1	26	126	21	..	22	7	..
Port Taharoa AWS	27	14.8	7.8	11.3	+0.4	18.5	23	0.9	26	105	19	..	16	11	..
Waikeria	46	13.9	4.4	9.2	+0.8	17.7	23	-2.0	16	126	18	-10	35	7	..
Te Kuiti EWS	62	13.3	3.5	8.4	..	17.2	23	-3.0	26	204	19	..	43	11	132
Pureora Forest Cws	549	9.5	2.1	5.8	..	13.9	23	-3.6	26	239	19	..	38	11	..
Taumarunui	171	11.9	2.6	7.3	-0.2	16.6	22	-3.0	5	192	17	+40	30	13	..
Taumarunui AWS	195	12.1	1.6	6.9	..	17.0	23	-5.0	4	191	27	..	32	13	108
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	133
New Plymouth AWS	30	13.3	5.4	9.4	-0.2	15.7	13	-2.6	26	144	19	-3	31	11	..
Mt Ruapehu, Chateau E	1097	6.2	-1.5	2.4	-0.5	11.9	5	-7.5	16	438	22	+153	70	13	..

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		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		mm	Date
Pahiatua EWS	110	11.7	3.6	7.7	..	14.2	20	-3.0	16	139	19	..	44	13	..
Masterton Aero AWS	138	12.5	3.0	7.8	..	15.8	7	-4.4	15	119	22	..	20	9	..
Kopua	311	11.5	3.6	7.6	+0.4	14.8	11	-2.6	4	105	27	-11	17	9	..
Takapau Plains AWS	330	10.4	3.1	6.8	..	14.0	11	-3.7	19	106	26	..	17	9	..
Dannevirke	207	11.5	3.9	7.7	-0.1	14.3	13	-2.4	4	139	21	+32	25	9	121
Dannevirke EWS	207	10.6	3.3	7.0	..	13.6	13	-3.4	4	131	20	..	23	9	117
Waione EWS	48	12.7	4.9	8.8	..	15.9	7	-2.4	20	139	22	..	27	21	..
Cape Turnagain AWS	292	10.1	6.3	8.2	..	13.2	10	0.7	26	..	..	..	..	..	..
Akitio EWS	245	10.6	5.0	7.8	..	13.0	7	0.0	25	137	21	..	23	21	147
Castlepoint Station	9	12.9	6.9	9.9	..	15.3	9	1.9	20	98	17	-17	22	23	..
Castlepoint AWS	120	11.6	6.9	9.3	-0.8	14.1	9	1.3	26	99	20	..	28	23	..
Baring Head	79	..	6.6	..	..	..	..	..	..	25	10	..	10	7	..
Te Wharau, Brackenfe	292	11.2	3.7	7.5	..	14.4	20	-1.6	18	192	22	..	41	23	..
Martinborough EWS	20	12.6	3.8	8.2	..	15.1	20	-2.8	15	53	14	..	16	25	122
Ngawi AWS	6	12.7	8.2	10.5	..	15.0	10	1.6	25	134	12	..	49	22	..
Hicks Bay AWS	46	14.7	8.7	11.7	+0.6	16.8	11	1.7	26	159	19	..	47	4	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	130
Gisborne AWS	5	14.3	6.4	10.4	+0.9	17.4	10	-0.3	19	180	14	+61	75	22	..
Tolaga Bay Wxt AWS	12	14.1	7.8	11.0	..	17.3	28	0.7	27	..	..	..	..	..	..
Napier Aero AWS	3	13.3	5.1	9.2	+0.2	17.9	13	-1.5	20	124	18	+40	52	22	..
Napier Nelson Pk	2	14.2	4.6	9.4	+0.1	18.9	13	-1.6	4	122	14	+31	46	22	167
Hastings AWS	16	14.1	3.9	9.0	..	19.1	11	-2.5	16	84	16	..	28	22	..
Whakatu EWS	5	13.9	3.3	8.6	..	17.9	11	-3.7	16	96	12	..	36	22	..
Waipawa EWS	130	12.4	3.2	7.8	..	16.1	7	-3.1	4	78	18	..	17	22	162
Wairoa, North Clyde E	15	13.7	4.8	9.3	+0.0	18.4	29	-1.7	27	89	13	-38	23	4	..
Mahia Radar Wxt AWS	419	10.1	6.6	8.4	..	12.8	13	0.5	26	..	..	..	..	..	..
Mahia AWS	136	12.6	7.8	10.2	+0.3	16.2	13	1.7	26	172	15	..	42	4	..
Cape Kidnappers Wxt A	118	12.3	7.7	10.0	..	16.2	13	1.6	25	..	..	..	..	..	..
Paraparaumu Aero	5	12.7	5.1	8.9	+0.3	14.8	9	-2.0	15	80	13	-21	18	7	116
Paraparaumu Aero AWS	5	12.4	5.1	8.8	+0.3	14.6	9	-1.7	15	79	13	..	19	7	130
Ohakea AWS	50	12.4	5.7	9.1	..	14.7	9	-0.2	3	..	..	..	..	..	..
Palmerston North AWS	39	12.3	4.4	8.4	+0.1	14.7	9	-2.5	3	131	17	+42	29	11	..
Palmerston North EWS	21	12.5	4.3	8.4	..	14.9	7	-2.6	16	111	16	..	27	11	109
Levin AWS	14	13.1	4.2	8.7	+0.2	..	..	..	..	115	17	..	26	10	..
Mana Island	2	12.7	7.5	10.1	+0.0	15.1	28	1.2	26	40	13	..	9	7	..
Mana Island AWS	100	10.9	6.8	8.9	..	12.8	7	2.1	26	35	9	..	9	9	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	116
Wellington, Kelburn A	125	11.3	6.4	8.9	..	14.0	9	1.2	26	95	15	..	41	23	..
Wellington Aero	4	12.3	7.2	9.8	+0.3	15.5	9	1.3	26	72	14	-41	25	23	..
Wallaceville EWS	56	11.8	2.9	7.4	..	14.5	29	-4.2	16	128	13	-13	26	7	95
Stratford EWS	300	11.3	3.8	7.6	..	13.9	10	-1.2	26	188	17	..	29	7	128
Hawera AWS	98	12.4	4.5	8.5	..	14.8	13	-2.6	26	173	21	..	28	9	..
Ohakune EWS	607	9.0	1.4	5.2	..	14.3	23	-5.0	26	229	20	..	33	11	113
Waiouru	806	7.3	-0.4	3.5	-0.8	14.3	23	-6.0	4	212	20	+106	30	13	..
Waiouru AWS	820	6.8	-0.6	3.1	..	13.0	23	-7.6	4	205	28	+83	29	13	..
Taihape Rec	433	10.8	0.1	5.5	-0.7	15.4	23	-7.0	4	204	20	+117	43	9	..
Flat Hills Wxt AWS	263	11.0	4.2	7.6	..	..	..	-0.8	16	..	..	..	..	..	..
Wanganui,Spriggins Pa	15	13.5	5.8	9.7	+0.3	16.4	13	1.7	26	148	16	+60	29	13	..
Wanganui AWS	8	13.3	5.9	9.6	+0.1	..	..	..	..	175	16	..	51	13	..
Wanganui 2 AWS	18	13.6	5.4	9.5	..	16.5	23	0.8	26	..	..	..	..	..	..
Takaka, Kotinga 2	25	13.0	2.8	7.9	+0.3	17.4	29	-1.4	15	150	15	-45	26	10	..
Takaka AWS	20	13.2	2.8	8.0	..	17.0	29	-1.3	15	148	15	..	27	9	162
Farewell Spit AWS	3	13.0	6.7	9.9	+0.4	15.2	30	1.9	26	123	18	..	24	13	..
Westport Aero AWS	2	12.8	4.7	8.8	+0.1	15.3	1	-1.5	26	177	16	-9	43	7	..
Arapito	18	12.7	3.7	8.2	-0.3	15.6	20	-2.2	25	315	17	+101	46	12	110
Arapito EWS	18	12.2	3.2	7.7	..	15.5	20	-3.0	25	297	17	..	44	12	..
Murchison EWS	185	8.6	0.6	4.6	..	14.8	30	-6.0	26	223	18	+72	32	9	..
Lake Rotoiti EWS	634	8.0	-1.8	3.1	..	13.2	17	-8.1	26	206	20	..	35	9	..
Hokitika Aero	39	11.4	2.7	7.1	-0.4	14.3	22	-1.7	26	224	15	-8	38	12	96
Hokitika AWS	38	11.7	2.9	7.3	-0.2	15.1	22	-1.5	26	..	..	..	..	..	..
Reefton EWS	198	9.5	1.0	5.3	+0.2	14.2	30	-6.1	26	240	15	+53	33	7	67
Greymouth Aero	4	12.2	4.1	8.2	+0.1	14.0	10	-1.9	26	164	14	-45	24	7	95
Greymouth Aero EWS	5	11.2	3.8	7.5	..	13.4	1	-2.3	26	164	14	..	24	7	110

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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		
Pigeon Creek Cws	105	10.0	1.5	5.8	..	12.3	20	-5.5	26	452	15	..	64	12	..
Mahanga EWS	1995	2.3	-3.2	-0.5	..	13.7	1	-11.1	25	14	9	..	5	18	..
Okarito	2	11.5	1.9	6.7	..	13.7	22	..	..	237	15	+11	32	29	..
Franz Josef	155	11.2	..	..	..	..	..	..	..	446	13	+86	55	29	..
Franz Josef EWS	80	10.7	1.3	6.0	..	14.6	21	-3.7	26	383	14	..	69	29	110
Haast AWS	5	11.3	3.4	7.4	-0.2	14.7	23	-1.9	26	246	14	..	42	8	..
Milford Sound	3	9.9	1.1	5.5	+0.3	14.4	5	-6.1	11	575	20	+150	69	28	..
Castle Mount EWS	2000	-0.5	-6.6	-3.6	..	6.3	1	-13.4	25	600	19	..	210	29	..
Secretary Island AWS	19	10.7	5.8	8.3	..	14.6	22	0.7	25	298	25	..	43	28	..
Motueka, Riwaka EWS	8	13.3	0.8	7.1	+0.1	17.1	30	-4.3	26	103	16	-48	20	24	..
Pelorus Sd, Crail Bay	13	12.6	5.6	9.1	+0.1	16.0	..	0.1	26	123	..	-43	37	7	..
Nelson Aero	2	12.3	2.2	7.3	+0.4	15.7	30	-2.6	26	66	14	-18	18	12	174
Appleby 2 EWS	18	12.2	0.6	6.4	..	15.5	30	-3.6	26	99	11	..	25	12	165
Nelson AWS	4	12.4	2.6	7.5	+0.1	15.3	30	-2.8	26	65	13	..	17	12	..
Blenheim Research EWS	4	13.1	2.5	7.8	+0.2	16.5	28	-3.1	26	41	10	-32	10	9	176
Blenheim Aero AWS	35	12.7	0.8	6.8	-0.3	16.4	30	-4.3	26	41	11	-40	12	12	..
Brothers Island AWS	68	7.9	4.6	6.3	..	..	..	..	..	29	11	..	8	7	..
Awatere Valley, Dashw	83	12.5	1.9	7.2	..	15.5	28	-4.7	26	37	9	..	13	9	..
Cape Campbell AWS	2	11.2	6.8	9.0	..	13.3	29	2.0	25	23	13	..	9	9	..
Hanmer Forest EWS	363	10.0	-2.9	3.6	-0.6	16.2	5	-9.9	26	155	16	+41	33	7	..
Kaikoura AWS	105	11.6	5.5	8.6	+0.5	17.5	29	0.5	25	18	9	-71	11	23	..
Arthurs Pass	738	5.2	-1.7	1.8	+0.0	8.2	3	-8.0	26	569	14	+255	112	10	..
Arthurs Pass EWS	738	5.0	-2.0	1.5	..	8.4	5	-8.4	26	526	17	..	128	10	..
Culverden AWS	181	10.3	-0.1	5.1	..	15.5	29	-7.4	26	..	..	..	..	..	..
Waipara Nth Branch @	560	8.6	0.7	4.7	..	13.9	5	-3.3	19	195	13	..	48	7	..
Cheviot EWS	75	11.7	0.6	6.2	..	..	..	..	..	35	10	..	10	10	170
Rakaia EWS	1752	3.6	-9.6	-3.0	..	13.9	4	-17.8	25	10	9	..	3	30	..
Mt Potts EWS	2128	-0.5	-6.8	-3.7	..	11.0	4	-15.9	25	12	11	..	3	10	..
Mt Cook EWS	765	7.1	-3.1	2.0	-0.2	15.7	5	-7.9	24	403	22	+124	89	10	79
Mueller Hut EWS	1818	6.7	-1.4	2.7	..	..	..	..	..	19	8	..	9	30	..
Craigieburn Forest	914	6.7	-3.4	1.7	-0.8	11.2	17	-8.8	26	227	16	+93	60	10	..
Snowdon EWS	560	8.8	-0.2	4.3	..	15.5	4	-4.9	22	101	9	..	31	7	..
Hororata, Illana	196	11.7	-1.4	5.2	..	16.4	28	-8.4	26	26	8	..	15	8	..
Methven, Three Spring	305	10.0	0.0	5.0	..	15.7	29	-3.7	22	32	10	..	12	7	..
Methven Cws	313	10.5	1.1	5.8	..	15.3	29	-2.7	22	34	10	..	11	7	..
Winchmore EWS	160	11.4	-0.6	5.4	-0.1	16.5	28	-5.9	26	19	10	-46	9	7	..
Peel Forest	286	10.8	-1.9	4.5	-0.4	16.2	28	-6.1	26	49	9	-12	16	12	..
Ashburton Council	101	11.5	0.3	5.9	+0.2	17.6	28	-3.6	5	24	9	-37	6	13	..
Ashburton Aero AWS	89	10.8	-0.4	5.2	..	16.9	28	-4.4	5	26	12	..	8	13	181
Waipara West EWS	130	11.7	2.2	7.0	..	16.7	5	-1.4	26	55	10	..	14	7	158
Rangiora EWS	23	12.4	0.8	6.6	+0.7	18.7	28	-5.0	26	17	7	..	4	7	162
Darfield 2 EWS	212	10.8	1.3	6.1	..	16.2	28	-3.3	22	27	8	..	15	7	..
Christchurch Aero	37	11.4	0.0	5.7	-0.1	16.2	29	-6.3	26	29	10	-43	10	7	153
Christchurch Gardens	7	11.6	0.7	6.2	-0.4	16.4	6	-4.0	26	33	9	-46	20	25	..
Christchurch, Kyle St	6	11.2	0.4	5.8	..	15.5	7	-5.7	26	40	10	..	14	25	..
Lincoln, Broadfield E	18	11.2	0.7	6.0	-0.2	16.3	28	-3.7	26	21	8	..	11	25	..
Sugar Loaf AWS	618	8.8	2.8	5.8	..	..	..	-3.6	25	..	..	..	..	..	..
Lyttelton Harbour	5	11.4	4.8	8.1	..	16.3	29	-0.2	26	22	10	..	9	24	..
Leeston EWS	15	11.7	0.7	6.2	..	17.4	28	-4.5	26	32	11	..	17	25	..
Le Bons Bay AWS	236	10.1	4.6	7.4	+0.0	14.7	29	-1.2	25	32	14	..	14	25	..
Lake Tekapo, Air Safa	762	6.7	-2.1	2.3	+0.6	13.1	3	-6.6	26	73	9	+21	23	7	..
Lake Tekapo EWS	762	6.7	-2.0	2.4	..	12.4	29	-6.3	26	68	9	..	23	7	162
Fairlie AWS	403	9.8	0.8	5.3	..	16.4	29	-4.1	24	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	7.9	-3.8	2.1	..	14.9	28	-9.3	26	57	19	..	14	10	..
Hakataramea Valley Cw	355	10.2	-1.1	4.6	..	..	..	..	..	13	6	..	6	9	..
Orari Estate	81	11.4	-1.0	5.2	+0.1	18.2	29	-5.6	26	12	7	-46	3	12	..
Orari Estate Cws	81	10.8	-0.9	5.0	..	..	..	-5.7	26	13	16	..	3	12	..
Timaru Aero AWS	26	11.9	-2.0	5.0	-0.1	18.6	29	-7.8	26	13	10	-31	7	10	..
Timaru EWS	17	10.7	0.1	5.4	..	16.8	29	-5.3	26	10	10	..	6	10	..
Waimate Cws	55	12.0	-0.4	5.8	..	19.0	29	-5.2	26	14	5	..	7	9	..
Oamaru Airport AWS	30	11.5	-0.6	5.5	..	16.5	28	-4.4	5	11	8	..	3	9	..
Albert Burn	1280	3.4	-4.3	-0.5	..	10.6	18	-9.3	25	5	3	..	2	5	..
Eglinton, Knobs Flat	365	6.2	-0.8	2.7	..	12.0	4	-6.6	26	346	19	..	45	10	..

Summary of the records of Temperature, Rainfall and Sunshine July 2011

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,Nui Is	2	31.2	26.1	28.7	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.5	27.2	29.4	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.2	25.0	28.1	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.0	20.5	24.8	..	31.6	19	17.9	21	..	..	..	..	..
Fiji, Nadi EWS	15	29.0	20.6	24.8	..	31.4	19	18.0	21	1	2	..	1	24	
Fiji,Nausori Aero	6	27.4	20.2	23.8	..	29.9	3	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.2	24.9	27.6	..	31.1	1	22.5	23	..	..	..	..	..
Samoa,Faleolo	4	30.8	22.1	26.5	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.7	22.8	26.3	..	30.8	2	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.9	25.4	27.7	..	..	..	22.9	23	..	..	..	..	..
Tonga, Lupepauu	67	27.5	20.1	23.8	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	27.2	22.4	24.8	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	25.9	18.9	22.4	..	28.4	23	..	..	..	..	..	..	..
Niue, Hanan Airport	59	..	22.0	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	27.2	20.3	23.8	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	26.5	20.8	23.7	..	27.8	24	17.1	2	26	6	..	11	26	
Vanuatu, Saratamata	18	..	22.9	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	27.9	23.2	25.6	..	..	..	21.4	1	90	23	..	41	9
Tahiti - Faaa	1	29.0	22.1	25.6	..	30.3	20	20.1	13	..	..	..	..	..
Tuamotu, Takaroa	2	28.0	24.1	26.1	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	26.6	22.9	24.8	..	27.7	3	20.1	20	..	..	..	..	..
Tuamotu, Hereheretue	3	26.9	22.3	24.6	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	23.1	19.0	21.1	..	..	..	16.3	13	84	23	..	14	1
Tubuai	2	24.6	19.0	21.8	..	..	..	..	..	..	..	..	..	..
Rapa	1	21.4	17.4	19.4	..	23.5	25	12.5	14	189	21	..	96	9	
Pitcairn Is	264	20.7	16.2	18.5	..	24.4	31	12.1	..	80	..	..	39	12
Raoul Island AWS	49	19.8	14.8	17.3	..	23.0	4	9.8	28	151	25	..	42	3	
Enderby Is AWS	40	6.7	3.1	4.9	..	10.0	4	-2.1	24	106	30	..	24	10	
Campbell Island AWS	19	6.2	1.9	4.1	-0.9	10.2	5	-8.0	29	..	..	..	..	..
Chatham Islands AWS	48	11.0	7.1	9.1	+1.0	14.7	11	2.5	26	107	22	+13	21	25	
Chatham Island EWS	14	11.3	6.2	8.8	..	..	..	..	..	86	21	..	13	14
Georg Von Neumayer	40	-17.9	-29.3	-23.6	..	-4.9	25	-43.3	4	..	..	..	..	..
Ant South Pole	2827	-54.7	-61.7	-58.2	..	-40.7	26	-70.4	1	..	..	..	..	..
Halley Bay	30	-26.4	-36.4	-31.4	..	-11.5	25	-43.6	11	..	..	..	..	..
Gen Belgrano 2	32	-18.5	-26.3	-22.4	..	-9.6	8	-37.0	5	..	..	..	..	..
Base Jubany	4	-6.3	-13.4	-9.9	..	5.0	2	-22.8	24	..	..	..	..	..
V C Marambio	198	-16.5	-23.9	-20.2	..	2.8	5	-32.8	27	..	..	..	..	..
Eduardo Frei	10	-5.0	-11.0	-8.0	..	..	..	..	..	..	..	..	..	..
Arturo Prat	..	-6.5	-12.2	-9.4	..	0.5	5	-19.3	24	..	..	..	..	..
Bernado Ohiggins	10	-8.8	-13.3	-11.1	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	-4.7	-8.2	-6.5	..	1.1	8	-11.7	31	..	..	..	..	..
Rothera Point	16	-7.7	-12.0	-9.9	..	1.5	7	-22.0	22	..	..	..	..	..
Argentine Is, Faraday	11	-5.1	-9.2	-7.2	..	3.8	7	-14.1	28	..	..	..	..	..
Gen San Martin	4	-8.4	-15.2	-11.8	..	1.7	7	-27.2	22	..	..	..	..	..
King Sejong	11	..	-8.8	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-13.7	-17.3	-15.5	..	-4.9	31	..	..	..	..	..	..	..
Mawson	16	-10.6	-17.1	-13.9	..	-6.4	4	-25.2	23	..	..	..	..	..
Davis	13	-9.1	-15.4	-12.3	..	-3.3	5	-25.1	1	..	..	..	..	..
Progress	64	-10.0	-12.6	-11.3	..	-3.1	3	-23.2	15	..	..	..	..	..
Vostok	3420	-58.9	-64.7	-61.8	..	..	..	-73.1	18	..	..	..	..	..
Casey	41	-11.6	-19.9	-15.8	..	..	..	-32.0	29	..	..	..	..	..
Durmort Durville	43	-14.3	-21.1	-17.7	..	0.5	22	-30.1	3	..	..	..	..	..
Mcmurdo	24	-15.1	-24.7	-19.9	..	-5.4	17	-37.5	2	..	..	..	..	..
Ant Scott Base	16	-17.1	-30.8	-24.0	..	-6.4	18	..	..	..	..	..	..	..
Ant Arrival Heights E	185	-16.4	-24.9	-20.7	..	-6.9	18	-37.8	2	..	..	..	..	..
Ant Scott Base EWS	16	-16.1	-27.6	-21.9	..	-5.5	18	-41.5	2	..	..	..	..	..
Darwin Airport	31	30.9	14.5	22.7	..	33.0	17	9.7	28	0	0	..	0	1	
Hobart Airport	4	20.2	4.3	12.3	..	23.0	4	-1.1	15	20	18	..	5	10	

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 2011															
Otamatuna, Te Mapou H	624	10.6	5.0	7.8	..	14.4	5	0.0	27	..	..	..	..	..
Taumarunui	171	14.3	6.0	10.2	+2.1	19.5	5	-1.1	30	124	20	-9	36	10	
Masterton, Te Ore Ore	110	7.0	..	..	..	17.3	5	..	..	54	14	..	13	11
Napier Nelson Pk	2	16.0	5.5	10.8	+1.1	21.1	5	0.0	17	64	10	-17	32	28	
Mana Island	2	14.2	9.2	11.7	+1.1	17.3	4	4.4	17	94	21	..	26	7	
Maud Island	15	13.9	..	..	..	16.8	..	..	..	313	..	..	..	..
Waiau School Cws	136	13.1	1.6	7.4	..	..	..	..	..	31	14	..	15	28
Rangiora EWS	23	12.7	3.4	8.1	+1.8	19.3	15	-2.4	25	22	11	..	7	10	
Darfield	195	11.2	3.4	7.3	+1.0	17.2	15	-0.3	25	42	12	-29	24	28	
Christchurch, Kyle St	6	12.3	4.7	8.5	..	..	..	-0.7	27	59	14	..	20	28
Lincoln, Broadfield E	18	12.0	4.0	8.0	+1.5	17.8	15	-1.6	17	42	11	..	13	28	
Orari Estate Cws	81	10.7	1.9	6.3	..	..	..	..	..	17	16	..	8	28
Timaru EWS	17	11.3	2.9	7.1	..	18.0	15	-0.7	12	12	11	..	3	28	
Windsor EWS	81	12.7	1.1	6.9	..	17.2	7	-3.1	17	5	5	..	3	4	
Middlemarch EWS	213	10.1	-0.6	4.8	..	14.8	14	-5.4	17	7	7	..	5	4	
Dunedin, Musselburgh	4	11.9	5.4	8.7	+1.6	15.4	14	1.5	12	22	9	-49	9	19	
Lauder EWS	375	9.2	-1.1	4.1	..	15.2	1	-5.0	17	19	6	..	8	4	
Ettrick No.2	91	10.6	0.7	5.7	+1.0	15.5	12	-4.5	17	15	9	..	6	4	
Stewart Is	3	10.8	4.1	7.5	+1.0	12.0	1	..	..	72	..	-63	22	14
Balclutha, Finegand	6	10.4	2.7	6.6	+0.9	13.2	1	-3.5	10	28	11	-34	8	25	
Samoa, Pago Pago Aero	3	29.8	25.1	27.5	..	..	..	..	..	..	..	..	..	..
Pitcairn Is	264	21.9	17.8	19.9	..	24.0	2	15.0	28	66	..	..	12	1
Raoul Is	38	22.6	17.2	19.9	+2.3	25.0	9	12.2	28	111	20	-60	34	18	
Late returns and corrections for May 2011															
Otamatuna, Te Mapou H	624	13.7	7.8	10.8	..	17.1	3	-0.4	19	..	..	..	..	..
Taumarunui	171	17.0	8.2	12.6	+2.4	21.6	3	0.3	19	140	22	+1	26	26	
Masterton, Te Ore Ore	110	13.7	..	..	..	21.5	5	..	..	31	11	..	6	7
Stephens Island	187	15.7	10.8	13.3	+1.4	17.6	1	..	..	102	15	..	19	11
Darfield	195	15.1	6.6	10.9	+1.7	20.4	25	0.9	29	62	11	-4	17	7	
Windsor EWS	81	15.1	5.5	10.3	..	21.6	12	-0.2	31	84	14	..	55	7	
Middlemarch EWS	213	14.3	4.4	9.4	..	19.2	23	-0.8	1	72	14	..	43	7	
Stewart Is	3	12.8	6.6	9.7	+1.1	17.5	23	3.0	18	167	..	+13	33	16	
Raoul Is	38	23.0	18.3	20.7	+1.7	25.9	5	14.2	25	386	18	+257	131	8	
Late returns and corrections for April 2011															
Otamatuna, Te Mapou H	624	14.7	7.7	11.2	..	19.9	1	0.1	8	..	..	..	..	..
Taumarunui	171	18.4	7.5	13.0	-0.4	22.2	3	1.0	29	125	13	+13	43	25	
Masterton, Te Ore Ore	110	14.9	..	..	..	22.4	11	..	..	103	11	..	34	25
Darfield	195	16.6	6.0	11.3	-1.0	26.0	11	-0.8	28	73	9	+11	36	4	
Raoul Is	38	23.6	18.4	21.0	+0.3	25.7	1	14.2	7	220	12	+118	83	2	
Late returns and corrections for March 2011															
Taumarunui	171	21.5	9.6	15.6	-0.8	24.9	17	3.4	7	137	11	+42	32	5	
Masterton, Te Ore Ore	110	20.4	..	..	..	27.8	14	..	..	105	12	..	37	22
Raoul Is	38	26.3	21.5	23.9	+1.6	29.1	24	18.1	10	392	14	+230	175	10	
Late returns and corrections for February 2011															
Taumarunui	171	24.7	14.3	19.5	+1.1	27.6	21	9.2	1	17	10	-63	8	15	
Masterton, Te Ore Ore	110	24.3	..	..	..	30.7	5	..	..	3	4	..	2	9
Raoul Is	38	27.4	21.5	24.5	+1.8	28.8	3	17.7	28	124	11	-29	41	21	
Late returns and corrections for January 2011															
Taumarunui	171	24.6	13.2	18.9	+0.6	29.5	17	7.1	14	218	10	+103	97	23	
Masterton, Te Ore Ore	110	23.9	..	..	..	32.3	18	..	..	115	8	..	81	23
Raoul Is	38	27.0	22.0	24.5	+2.4	30.0	31	18.0	5	32	9	-96	17	6	
Late returns and corrections for December 2010															
Taumarunui	171	22.9	13.4	18.2	+1.5	28.6	1	7.6	25	185	14	+57	53	19	
Masterton, Te Ore Ore	110	22.3	..	..	..	28.2	27	..	..	27	9	..	10	16
Raoul Is	38	24.1	18.8	21.5	+0.7	27.0	30	15.1	8	147	6	+6	59	2	

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

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall				Bright Sun—shine	
		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 November 2010															
Taumarunui	171	21.7	9.6	15.7	+1.0	28.0	28	0.5	7	31	8	-97	22	20	..
Masterton, Te Ore Ore	110	21.3	..	..	..	28.8	19	..	..	31	6	..	15	20	..
Late returns and corrections for October 2010															
Taumarunui	171	18.0	7.0	12.5	-0.2	22.2	24	1.5	23	35	9	-110	9	19	..
Masterton, Te Ore Ore	110	15.7	..	..	..	24.1	28	..	..	44	14	..	14	10	..
Raoul Is	38	21.5	15.6	18.6	+0.8	29.1	4	13.0	9	33	12	-53	10	4	201
Late returns and corrections for September 2010															
Taumarunui	171	15.0	6.6	10.8	+0.2	20.1	8	1.0	1	324	27	+178	63	6	..
Masterton, Te Ore Ore	110	14.9	..	..	..	21.9	27	..	..	103	16	..	33	9	..
Late returns and corrections for August 2010															
Taumarunui	171	14.0	4.9	9.5	+1.0	..	..	-1.6	10	227	22	+85	43	4	..
Late returns and corrections for July 2010															
Taumarunui	171	12.2	1.5	6.9	-0.6	..	..	-4.5	12	42	9	-110	16	22	..
Late returns and corrections for June 2010															
Taumarunui	171	12.9	4.1	8.5	+0.4	17.0	6	-0.5	1	174	22	+41	41	6	..
Late returns and corrections for May 2010															
Taumarunui	171	15.7	5.6	10.7	+0.5	21.2	4	-1.4	6	111	18	-28	17	15	..

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.