

MARCH 2011

Summary of the records of Temperature, Rainfall and Sunshine March 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	21.7	16.7	19.2	..	24.0	2	13.7	8	155	16	+90	50	4	..
Kaitaia Aero EWS	80	23.5	15.1	19.3	..	26.5	30	9.2	9	118	17	..	35	25	..
Kaitaia Observatory	85	23.4	15.2	19.3	..	26.0	15	10.6	9	116	14	+40	30	5	174
Kaitaia EWS	85	23.1	15.3	19.2	+0.3	25.8	15	10.6	9	110	14	..	29	5	181
Kerikeri EWS	79	23.4	14.7	19.1	+0.7	26.0	15	9.7	7	245	14	+122	86	25	..
Kerikeri Aerodrome Aw	150	22.9	14.5	18.7	..	25.9	3	9.0	9	235	17	..	92	25	..
Kaikohe AWS	204	23.7	15.3	19.5	+1.6	26.8	17	9.7	8	166	20	+59	46	25	..
Trounson Cws	220	22.2	13.2	17.7	..	26.0	4	6.4	8	10	5	..	4	5	..
Dargaville 2 EWS	66	23.2	13.8	18.5	..	27.3	4	8.2	9	99	14	..	28	5	176
Purerua AWS	82	22.7	15.9	19.3	..	25.6	22	10.4	7	169	14	..	72	5	..
Whangarei Aero AWS	37	23.4	15.5	19.5	+0.6	27.9	4	9.7	9	136	18	+9	31	21	..
Mokohinau AWS	60	21.9	18.2	20.1	..	25.1	17	14.8	7	177	14	+82	70	21	..
Leigh 2	27	23.8	16.0	19.9	+0.8	26.9	4	10.5	7	116	13	+11	49	21	..
Warkworth EWS	72	22.3	13.3	17.8	..	26.2	4	7.5	11	202	14	+92	70	21	..
Whangaparaoa AWS	89	22.8	16.2	19.5	..	25.3	2	11.4	7	147	13	..	45	21	..
Tiri Tiri Lighthouse	76	21.4	16.3	18.9	+0.1	23.7	22	11.9	7	135	13	+58	40	21	..
Whenuapai AWS	26	22.8	13.0	17.9	..	26.6	1	7.8	9	..	..	..	..	..	..
North Shore, Auckland	20	23.6	15.3	19.5	..	..	..	10.7	7	..	..	..	..	..	..
North Shore Albany Ew	64	22.5	14.2	18.4	..	25.7	4	8.8	8	168	10	..	76	21	202
Auckland, Henderson,	7	24.1	13.1	18.6	+0.2	27.7	1	7.4	7	154	9	+55	51	21	..
Henderson, Auckland R	35	23.3	14.8	19.1	..	26.4	1	10.2	31	..	..	..	..	..	..
Lincoln Rd, Auckland	25	23.6	12.5	18.1	..	..	..	8.0	8	..	..	..	..	..	..
Khyber Pass, Auckland	81	22.5	15.4	19.0	..	25.2	4	9.6	7	153	12	..	54	4	..
Musick Pt Ews, Auckla	18	23.0	15.0	19.0	..	..	..	8.3	7	..	..	..	..	..	..
Onehunga, Auckland Re	5	23.0	15.7	19.4	+0.8	26.2	4	10.4	7	..	..	..	..	..	..
Waiheke Island, Awaro	34	23.4	12.6	18.0	..	26.0	3	7.0	11	157	10	+61	54	21	..
Whitianga Aero AWS	5	22.1	12.8	17.5	-0.1	25.2	22	6.8	8	296	20	+133	159	21	..
Thames 2	3	23.4	12.9	18.2	-0.3	26.0	22	7.1	7	184	..	+83	63	21	..
Paeroa AWS	18	23.5	12.6	18.1	+0.1	26.8	17	5.4	7	121	12	+14	38	5	..
Toenepi EWS	48	23.9	12.2	18.1	..	27.2	14	5.8	7	113	9	..	52	4	..
Matamata, Hinuera EWS	106	22.8	10.7	16.8	..	25.8	17	4.4	31	140	11	..	50	4	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	223
Tauranga Aero AWS	4	23.1	14.3	18.7	+0.8	27.1	22	8.4	8	156	13	+30	59	21	..
Te Puke EWS	91	22.7	12.6	17.7	..	25.3	3	6.8	8	173	11	+17	58	26	..
Whakatane Aero AWS	7	23.1	13.0	18.1	+0.5	25.7	2	7.2	29	163	12	+57	48	21	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	243
Mamaku Radar Wxt AWS617	17.8	11.3	14.6	..	21.4	3	6.6	8	104	11	..	26	5	..	
Kawerau AWS	42	24.0	12.5	18.3	..	26.9	3	6.7	8	..	..	..	..	..	207
Rotorua Aero AWS	283	21.1	11.8	16.5	+0.4	24.1	17	5.7	29	149	14	+38	38	5	..
Galatea AWS	174	21.8	10.9	16.4	..	25.4	12	2.8	29	124	11	..	50	5	..
Taupo Wxt AWS	385	20.7	11.1	15.9	..	24.1	3	4.7	8	123	11	..	55	5	..
Tarapounamu EWS	701	17.1	9.3	13.2	..	20.8	13	4.7	7	216	13	..	60	5	..
Taupo AWS	400	20.5	9.4	15.0	-0.3	24.2	3	2.4	29	172	11	..	69	26	..
Motu EWS	488	19.0	9.9	14.5	..	23.1	17	3.2	9	200	14	..	44	27	..
Auckland, Mangere EWS	5	23.0	14.4	18.7	..	26.3	17	9.4	7	181	10	..	71	4	208
Wiri, Auckland Region	18	22.9	15.2	19.1	+0.9	25.6	4	9.8	7	..	..	..	..	..	..
Pakuranga, Auckland R	15	24.6	14.1	19.4	..	..	..	8.6	7	..	..	..	..	..	..
Penrose Ews, Auckland	30	23.4	13.2	18.3	..	..	..	8.1	7	..	..	..	..	..	..
Auckland Aero	33	22.9	14.6	18.8	+0.1	25.9	1	9.5	7	140	12	+58	58	4	..
Ardmore	23	23.8	11.3	17.6	-0.2	26.8	16	5.5	8	185	11	+94	87	4	..
Pukekohe EWS	88	22.5	12.7	17.6	-0.2	26.1	17	6.8	7	178	12	..	67	4	..
Firth Of Thames EWS	1	25.0	11.3	18.2	..	28.4	22	3.8	7	362	11	..	144	21	..
Whatawhata 2 EWS	118	23.0	11.8	17.4	..	26.3	16	5.8	7	202	10	..	73	4	..
Hamilton, Ruakura 2 E	45	23.3	11.6	17.5	..	25.9	1	4.6	31	159	9	..	64	4	205
Hamilton AWS	53	23.2	11.2	17.2	+0.3	26.0	3	4.7	31	193	10	+102	64	4	..
Lake Karapiro Cws	55	23.2	13.1	18.2	..	27.7	12	7.2	7	104	10	..	34	4	..
Port Taharoa AWS	27	22.8	14.7	18.8	+0.3	27.1	23	9.1	7	107	11	..	42	4	..
Waikeria	46	23.8	10.8	17.3	+0.4	28.1	22	4.0	31	171	6	+86	57	5	..
Te Kuiti EWS	62	22.7	9.9	16.3	..	26.1	22	3.4	31	153	10	..	54	4	213
Pureora Forest Cws	549	19.0	8.6	13.8	..	21.9	22	0.8	8	143	12	..	47	4	..
Taumarunui	171	21.5	9.6	15.6	-0.8	24.9	17	3.4	7	133	18	+38	32	5	..
Taumarunui AWS	195	22.7	8.5	15.6	..	26.8	12	1.3	8	158	16	..	41	5	202
Turangi 2 EWS	350	20.8	7.9	14.4	..	24.0	3	0.0	31	179	11	..	58	26	195

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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		
New Plymouth Aero	27	231
New Plymouth AWS	30	21.6	12.6	17.1	+0.4	24.5	12	6.9	8	206	10	+97	77	4	..
Mt Ruapehu, Chateau E	1097	15.9	5.7	10.8	+0.0	19.2	31	-1.4	7	171	13	-19	43	5	..
Pahiatua EWS	110	20.7	9.5	15.1	..	24.3	13	2.4	9	87	14	..	26	5	..
Alfredton EWS	240	19.9	8.1	14.0	..	24.6	20	0.0	8	94	17	..	20	22	..
Masterton Aero AWS	138	22.0	9.3	15.7	..	26.5	13	2.2	8	113	11	..	32	22	..
Masterton, Te Ore Ore	110	20.4	3.6	12.0	..	27.8	14	-2.3	8	105	12	..	37	22	..
Kopua	311	20.6	10.0	15.3	+0.2	25.9	2	3.3	10	75	11	-18	27	21	..
Takapau Plains AWS	330	20.4	9.0	14.7	..	26.5	17	2.7	10	77	17	..	30	21	..
Dannevirke	207	21.2	10.3	15.8	+0.2	25.5	2	3.6	10	110	12	+21	29	22	176
Dannevirke EWS	207	20.1	9.8	15.0	..	24.8	17	3.0	10	107	11	..	29	22	181
Waione EWS	48	23.1	10.7	16.9	..	28.4	2	3.1	9	112	10	..	30	22	..
Cape Turnagain AWS	292	17.2	13.0	15.1	..	24.6	2	8.8	8	192	20	..	44	22	..
Akitio EWS	245	18.8	11.7	15.3	..	24.9	17	6.4	9	151	12	..	53	22	204
Castlepoint Station	9	20.9	13.7	17.3	..	27.0	17	8.0	29	136	9	+50	72	22	..
Castlepoint AWS	120	19.8	13.6	16.7	-0.4	25.6	1	9.4	7	143	10	..	74	22	..
Baring Head	79	18.3	12.8	15.6	..	21.5	21	8.7	6	38	14	..	7	5	..
Te Wharau, Brackenfie	292	20.3	9.1	14.7	..	27.8	14	4.0	11	154	12	..	55	22	..
Martinborough EWS	20	22.1	10.2	16.2	..	27.0	13	2.8	8	55	12	..	18	22	194
Ngawi AWS	6	21.0	13.6	17.3	..	24.5	2	9.2	31	61	12	..	28	22	..
Hicks Bay AWS	46	21.6	15.6	18.6	+0.5	24.2	2	12.0	8	215	14	..	121	21	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	183
Gisborne AWS	5	22.1	13.1	17.6	+0.2	27.0	14	8.4	29	159	13	+57	72	21	..
Tolaga Bay Wxt AWS	12	20.6	13.9	17.3	..	26.9	4	9.0	11	233	14	..	106	21	..
Napier Aero AWS	3	21.5	12.1	16.8	-0.3	27.6	2	6.9	29	120	10	+35	31	21	..
Napier Nelson Pk	2	22.8	10.7	16.8	-0.9	28.1	18	..	..	126	10	+41	34	26	193
Hastings AWS	16	22.6	11.8	17.2	..	29.0	14	6.1	29	106	11	..	34	21	..
Whakatu EWS	5	21.9	10.7	16.3	..	28.4	2	4.4	29	111	10	..	37	21	..
Waipawa EWS	130	21.7	9.8	15.8	..	27.5	2	3.5	29	76	10	..	22	22	201
Wairoa, North Clyde E	15	22.1	12.7	17.4	+0.0	27.9	1	7.7	29	161	16	+25	49	21	..
Mahia Radar Wxt AWS	419	17.7	13.1	15.4	..	23.3	2	9.2	8	179	19	..	46	22	..
Mahia AWS	136	20.3	14.4	17.4	+0.2	26.4	2	9.7	29	89	13	..	26	22	..
Cape Kidnappers Wxt A	118	19.0	15.0	17.0	..	24.4	15	10.5	8	102	16	..	43	22	..
Paraparaumu Aero	5	20.6	11.6	16.1	+0.1	24.4	21	3.8	31	82	14	+7	17	25	219
Paraparaumu Aero AWS	5	20.3	11.7	16.0	-0.1	24.3	21	3.8	31	80	15	..	16	25	238
Ohakea AWS	50	21.1	11.5	16.3	..	25.3	1	5.6	7	..	..	..	..	..	..
Palmerston North AWS	39	21.6	10.8	16.2	-0.1	26.0	1	3.6	8	140	10	+73	50	5	..
Palmerston North EWS	21	21.2	11.2	16.2	..	24.6	1	3.7	7	113	11	..	32	5	186
Levin AWS	14	21.3	11.1	16.2	-0.1	24.3	1	3.8	31	89	9	..	28	4	..
Mana Island	2	20.1	13.5	16.8	+0.1	23.4	1	6.9	8	115	16	..	46	27	..
Mana Island AWS	100	17.7	12.8	15.3	..	21.6	21	8.2	8	106	15	..	40	27	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	215
Wellington, Kelburn A	125	18.9	12.4	15.7	..	21.8	1	7.9	31	116	16	..	22	5	..
Wellington Aero	4	19.5	13.4	16.5	-0.1	22.5	2	8.7	31	77	15	+2	17	5	..
Wallaceville EWS	56	21.3	9.4	15.4	..	24.6	1	2.7	31	80	15	-13	19	2	194
Stratford EWS	300	19.4	10.3	14.9	..	23.0	13	5.4	8	200	13	..	54	4	199
Hawera AWS	98	20.0	10.7	15.4	..	24.1	1	4.0	8	80	12	..	40	4	..
Ohakune EWS	607	19.4	8.1	13.8	..	23.4	13	1.6	8	103	14	..	37	5	193
Waiouru	806	17.9	6.6	12.3	-0.1	22.2	3	-0.9	8	53	9	-19	26	5	..
Waiouru AWS	820	17.7	6.2	12.0	..	21.5	3	-1.4	8	53	9	-21	23	5	..
Taihape Rec	433	21.1	6.8	14.0	-0.7	25.0	3	0.0	8	48	10	-25	20	5	..
Flat Hills Wxt AWS	263	20.4	10.2	15.3	..	24.2	17	4.3	8	62	11	..	19	5	..
Wanganui,Spriggens Pa	15	21.9	12.1	17.0	-0.1	26.2	1	6.3	7	110	11	+41	38	4	..
Wanganui AWS	8	21.1	12.0	16.6	-0.2	26.3	1	5.0	31	100	11	..	39	4	..
Wanganui 2 AWS	18	22.3	11.4	16.9	..	26.2	1	5.7	7	..	..	..	..	..	..
Takaka, Kotinga 2	25	22.1	10.0	16.1	+0.7	25.5	4	5.9	31	149	11	+1	55	1	..
Takaka EWS	20	22.2	10.1	16.2	..	25.7	4	6.2	31	145	11	..	56	1	220
Farewell Spit AWS	3	21.0	13.9	17.5	+0.8	22.9	5	10.5	3	117	10	..	38	25	..
Westport Aero AWS	2	20.0	11.2	15.6	+0.1	..	..	..	..	178	17	+11	47	1	..
Arapito	18	20.9	10.4	15.7	+0.0	23.4	22	6.1	7	133	14	-40	33	1	231
Arapito EWS	18	20.5	9.7	15.1	..	23.0	22	5.3	7	120	15	..	30	1	..
Murchison EWS	185	22.4	8.0	15.2	..	26.7	22	1.3	7	95	12	+5	42	1	..
Lake Rotoiti EWS	634	19.6	7.0	13.3	..	22.8	13	-0.8	7	89	15	..	15	1	..

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Hokitika Aero	39	18.7	9.7	14.2	-0.5	23.2	25	6.0	7	221	14	+4	59	17	222
Hokitika AWS	38	18.7	9.9	14.3	-0.4	23.2	25	5.6	7	209	15	..	55	17	..
Reefton EWS	198	21.7	8.7	15.2	+0.3	25.5	12	1.9	7	138	14	+15	39	1	217
Greymouth Aero	4	19.3	11.1	15.2	+0.1	23.2	23	6.9	3	153	14	-33	27	17	206
Greymouth Aero EWS	5	18.6	10.7	14.7	..	22.7	23	6.5	3	145	14	..	26	17	234
Pigeon Creek Cws	105	19.3	8.8	14.1	..	23.3	21	4.2	7	235	15	..	34	17	..
Mt Philistine EWS	1655	10.7	4.6	7.7	..	15.5	24	-0.3	6	521	16	..	147	1	..
Okarito	2	18.4	9.8	14.1	..	22.5	25	5.7	3	132	15	-118	33	1	..
Franz Josef	155	19.8	9.4	14.6	+0.5	24.0	25	6.5	..	317	14	-194	95	1	..
Franz Josef EWS	80	18.5	8.7	13.6	..	22.6	22	4.9	7	223	14	..	65	1	177
Haast AWS	5	18.3	10.1	14.2	+0.1	22.2	25	7.0	6	264	16	..	66	16	..
Milford Sound	3	18.3	8.5	13.4	-0.1	21.4	22	5.2	20	558	16	-85	123	14	..
Milford Sound AWS	3	19.1	8.5	13.8	..	22.5	23	4.7	20	535	17	..	117	14	..
Secretary Island AWS	19	17.2	11.3	14.3	..	23.1	22	7.6	6	301	20	..	73	14	..
Puysgur Point AWS	44	15.3	10.4	12.9	-0.2	19.8	1	8.1	7	224	23	+32	62	14	..
Motueka, Riwaka EWS	8	22.7	8.5	15.6	-0.1	26.0	14	..	..	56	10	-48	18	3	..
Maud Island	15	19.7	13.5	16.6	..	22.0	5	7.8	7	167	12	..	39	1	..
Pelorus Sd, Crail Bay	13	20.6	12.9	16.8	+0.1	23.5	15	7.9	7	164	..	+31	51	1	..
Nelson Aero	2	21.3	11.1	16.2	+0.2	25.4	22	5.8	7	52	13	-25	12	5	237
Appleby 2 EWS	18	21.8	8.2	15.0	..	25.4	14	1.1	31	47	12	..	12	3	236
Nelson AWS	4	22.3	11.1	16.7	+0.3	26.0	14	5.9	7	44	13	..	11	3	..
Blenheim Research EWS	4	21.9	10.5	16.2	+0.0	26.1	4	4.7	7	31	9	-19	7	5	229
Blenheim Aero AWS	35	22.5	9.1	15.8	-0.1	26.6	2	0.5	31	42	9	-14	11	1	..
Brothers Island AWS	68	17.7	13.7	15.7	..	20.5	20	10.6	6	84	14	..	17	4	..
Awatere Valley, Dashw	83	21.8	10.3	16.1	..	27.6	14	0.8	31	27	11	..	13	5	..
Grassmere Salt Works	2	21.6	12.9	17.3	+0.8	27.3	2	6.4	7	27	8	-29	14	5	..
Cape Campbell AWS	2	18.2	13.2	15.7	..	23.6	2	9.5	7	20	9	..	7	22	..
Hanmer Forest EWS	363	21.9	5.1	13.5	-0.4	27.8	26	-1.0	7	73	14	-24	32	5	..
Kaikoura AWS	105	19.0	12.2	15.6	+0.4	29.3	2	7.1	6	50	7	-40	21	5	..
Arthurs Pass	738	16.0	5.9	11.0	+0.0	19.5	12	0.0	7	361	..	+21	120	1	..
Arthurs Pass EWS	738	15.9	5.8	10.9	..	19.5	12	-0.2	7	317	15	..	108	1	..
Culverden AWS	181	20.8	8.9	14.9	..	27.2	3	3.2	7	51	12	..	31	5	..
Waipara Nth Branch @	560	18.0	8.4	13.2	..	23.9	26	1.4	7	79	14	..	40	5	..
Mt Potts EWS	2128	8.6	1.6	5.1	..	14.2	13	-6.3	6	120	18	..	32	1	..
Mt Cook EWS	765	18.6	5.4	12.0	-0.5	24.8	13	-1.5	6	333	13	-82	91	1	166
Mueller Hut EWS	1818	13.6	5.3	9.5	..	..	..	..	..	537	16	..	152	1	..
Craigieburn Forest	914	18.0	3.5	10.8	-1.1	22.5	4	-0.3	7	81	19	-11	31	5	..
Snowdon EWS	560	19.0	7.5	13.3	..	23.8	10	0.6	24	82	13	..	33	5	..
Hororata, Illana	196	21.0	7.7	14.4	..	..	..	..	..	86	13	..	22	5	..
Methven, Three Spring	305	18.8	8.5	13.7	..	26.5	4	3.2	3	72	14	..	29	5	..
Methven Cws	313	19.5	9.2	14.4	..	26.5	4	4.3	24	75	18	..	26	5	..
Winchmore EWS	160	20.4	8.3	14.4	+0.1	28.9	4	1.8	28	62	13	-5	18	5	..
Peel Forest	286	19.1	6.8	13.0	-0.4	28.5	14	1.1	28	120	16	+14	37	5	..
Ashburton Council	101	20.8	8.8	14.8	-0.2	29.2	14	3.2	28	58	18	-6	14	27	..
Ashburton Aero AWS	89	20.0	8.8	14.4	..	29.5	14	3.0	28	53	15	..	16	27	213
Waipara West EWS	130	21.0	10.1	15.6	..	27.5	4	5.0	28	42	10	..	17	5	208
Rangiora EWS	23	20.9	9.6	15.3	+0.6	29.8	4	2.4	3	44	11	..	17	5	172
Christchurch Aero	37	20.5	9.8	15.2	+0.1	30.2	4	2.4	3	54	13	-2	16	27	202
Christchurch Gardens	7	20.7	10.6	15.7	+0.2	30.5	4	4.3	28	48	12	-6	14	27	..
Christchurch, Kyle St	6	20.6	11.5	16.1	..	31.4	4	4.3	28	49	13	..	16	27	..
Christchurch, New Bri	12	18.5	12.3	15.4	..	28.1	4	7.6	28	..	..	..	..	..	..
Lincoln, Broadfield E	18	20.3	10.0	15.2	+0.2	29.8	4	3.4	28	59	14	..	26	27	..
Sugar Loaf AWS	618	17.4	9.5	13.5	..	25.7	4	4.4	6	..	..	..	..	..	..
Lyttelton Harbour	5	19.8	12.8	16.3	..	29.7	4	9.1	6	41	10	..	13	27	..
Leeston, Harts Creek	12	20.2	9.5	14.9	..	29.3	4	4.0	28	31	9	..	12	5	..
Dorie Cws @ Lefereks	55	20.0	9.7	14.9	..	26.7	1	4.0	28	17	12	..	6	5	..
Akaroa EWS	45	21.7	11.7	16.7	..	30.6	4	7.6	24	68	9	..	39	27	208
Le Bons Bay AWS	236	18.1	10.8	14.5	+0.2	27.4	4	6.9	6	46	11	..	15	27	..
Lake Tekapo, Air Safa	762	18.1	5.7	11.9	-0.8	23.5	10	1.3	28	35	10	-17	14	11	..
Lake Tekapo EWS	762	18.9	6.4	12.7	..	24.1	10	1.1	28	33	7	..	13	11	232
Fairlie AWS	403	17.9	8.3	13.1	..	26.6	14	4.1	28	68	22	..	25	5	..
Pukaki Aerodrome AWS	473	20.2	6.3	13.3	-0.1	28	70	12	..	25	5	..
Hakataramea Valley Cw	355	19.1	7.2	13.2	..	25.2	13	2.4	6	53	8	..	24	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		
Orari Estate	81	19.5	8.5	14.0	+0.0	29.0	14	2.1	28	76	13	+8	28	5	..
Orari Estate Cws	81	18.9	8.8	13.9	..	27.8	14	2.6	3	76	17	..	28	5	..
Timaru Aero AWS	26	19.4	8.3	13.9	+0.1	28.9	14	1.2	28	67	14	+9	35	5	..
Timaru EWS	17	18.2	9.4	13.8	..	25.3	2	4.1	28	65	14	..	31	5	..
Waimate Cws	55	18.9	9.7	14.3	..	26.0	14	3.3	3	69	11	..	23	5	..
Oamaru Airport AWS	30	18.1	8.8	13.5	..	27.2	14	3.4	3	47	11	..	13	14	..
Albert Burn	1280	12.9	3.0	8.0	..	17.7	13	-3.4	6	205	17	..	41	1	..
Eglinton, Knobs Flat	365	17.5	5.9	11.7	..	22.2	12	0.5	28	222	16	..	37	14	..
Tara Hills AWS	488	19.7	6.4	13.1	-0.3	24.9	13	0.5	28	41	9	-7	10	11	..
Wanaka Aero AWS	352	19.8	8.2	14.0	..	24.3	12	..	..	83	11	..	34	16	..
Naseby Forest 2	607	17.5	5.3	11.4	-0.5	22.7	10	0.2	28	70	12	+15	21	27	..
Windsor EWS	81	19.2	8.5	13.9	..	26.3	14	2.7	6	57	10	..	22	14	..
Ranfurly EWS	450	19.0	6.5	12.8	..	25.6	13	0.8	28	63	11	..	18	14	..
Oamaru AWS	40	18.7	9.4	14.1	..	27.2	14	5.3	6	65	18	..	23	14	..
Rock And Pillar	270	18.3	7.5	12.9	..	26.4	13	1.4	6	..	..	..	..	..	..
Palmerston	21	18.6	7.1	12.9	-0.2	26.7	14	2.2	3	57	17	-4	17	27	162
Middlemarch EWS	213	19.3	7.7	13.5	..	26.2	13	1.6	6	58	12	..	16	14	136
Swampy Summit AWS	722	13.5	6.1	9.8	..	21.2	14	1.3	16	..	..	..	..	..	..
Dunedin Aero AWS	1	18.7	7.1	12.9	-0.2	25.6	13	0.1	24	64	16	+5	14	10	..
Dunedin, Musselburgh	4	18.1	10.5	14.3	+0.5	26.9	14	4.0	24	72	19	+3	15	14	158
Murchison Mtns EWS	1140	10.9	3.9	7.4	..	16.8	12	-0.9	20	266	20	..	51	14	..
Takahe Valley Cws	895	13.1	4.0	8.6	..	18.8	30	-0.4	6	182	17	..	34	14	..
Manapouri, West Arm J	178	16.5	8.0	12.3	..	20.0	12	3.6	6	223	16	..	54	14	..
Manapouri Aero AWS	209	18.1	6.5	12.3	..	22.9	30	-0.9	20	68	13	..	19	14	..
Birchwood Wxt AWS	147	16.8	7.1	12.0	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	19.8	8.2	14.0	-0.4	25.2	13	3.9	28	85	12	+5	18	25	179
Queenstown Aero AWS	354	18.5	6.8	12.7	-0.3	23.6	1	1.9	20	72	13	+6	18	25	..
Lumsden AWS	187	18.0	6.6	12.3	-0.3	24.5	14	0.7	24	109	18	..	25	14	..
Cromwell EWS	213	22.0	8.3	15.2	..	27.5	12	1.2	28	43	11	..	11	16	200
Lauder EWS	375	19.4	6.7	13.1	..	24.4	13	1.4	28	70	11	..	15	14	..
Ophir 2	305	19.9	5.5	12.7	..	25.5	13	0.0	25	67	13	..	18	14	..
Alexandra	150	22.2	7.9	15.1	..	28.7	13	3.1	28	41	11	..	10	14	188
Clyde EWS	171	20.7	7.4	14.1	-0.1	27.1	13	2.9	25	41	12	..	10	14	..
Alexandra Cws	140	21.5	8.4	15.0	..	29.6	13	4.0	25	59	11	..	15	14	..
Roxburgh Wxt AWS	160	19.1	8.4	13.8	..	26.7	13	3.8	25	43	15	..	10	27	..
Ettrick No.2	91	19.5	6.3	12.9	-0.6	26.5	13	-0.3	31	44	10	..	9	14	..
Tapanui	180	19.1	6.6	12.9	+0.2	26.1	13	1.7	16	100	..	+18	28	14	..
Waitutu Cws	30	17.3	7.6	12.5	..	24.3	13	3.1	24	232	21	..	48	14	..
Winton	44	18.6	7.2	12.9	+0.2	27.0	4	2.2	21	103	14	+18	31	14	153
Gore AWS	123	17.2	7.1	12.2	-0.4	24.0	14	2.1	24	105	17	+23	23	10	..
Invercargill Aero		16.9	8.1	12.5	+0.0	23.3	13	2.1	25	135	17	+41	33	14	167
Invercargill Aero AWS	1	17.4	7.8	12.6	..	23.7	13	2.7	21	134	16	..	31	14	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	125	16	..	31	14	157
Tiwai Point EWS	5	16.7	9.6	13.2	+0.0	21.8	3	4.4	24	127	20	+30	35	14	..
Stewart Is	3	16.7	..	..	..	23.2	13	..	..	154	..	+34	47	14	..
Balclutha, Telford Ew	11	18.1	7.0	12.6	..	25.2	13	0.7	24	66	16	..	22	14	183
Nugget Point AWS	129	16.4	8.9	12.7	+0.0	22.8	13	6.2	7	102	14	..	25	14	..
Tautuku	25	17.6	7.8	12.7	+0.0	24.5	3	4.0	16	107	16	-1	36	14	..
South West Cape AWS	101	14.5	9.7	12.1	..	20.8	1	6.6	19	108	21	..	32	14	..
Solomon, Taro Is	3	31.1	24.4	27.8	..	..	..	23.5	13	262	28	..	36	15	..
Solomon, Munda	6	31.8	24.0	27.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	31.7	23.9	27.8	..	34.0	18	23.0	7	144	25	..	22	2	..
Solomon, Honiara	56	31.8	23.8	27.8	..	33.4	31	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.7	22.7	27.2	..	33.5	30	21.1	22	150	14	..	38	8	..
Solomon, Santa Cruz	24	31.2	24.0	27.6	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	31.9	23.9	27.9	..	..	..	..	..	220	21	..	41	8	..
Vanuatu,Pekoa	56	30.9	22.6	26.8	..	..	..	..	..	171	17	..	41	8	..
Vanuatu,Lamap	22	..	24.3	..	..	..	..	21.6	22	226	14	..	82	7	..
Vanuatu, Bauerfield	20	..	21.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	31.0	16.5	23.8	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	30.7	21.8	26.3	141	22	..	56	8	..
New Cal, Koumac	18	..	22.5
New Cal, Ouanaham	29	30.0	22.1	26.1	19.9	28

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs			
New Cal, Poinoimie	13	29.9	31.7	1	
New Cal, La Roche	42	28.6	22.9	25.8	..	..	..	21.0	29	158	22	..	25	7
New Cal, La Tontouta	14	31.2	20.9	26.1	..	34.4	4	18.2	9	154	21	..	48	6	
New Cal, Nouma	72	29.6	23.2	26.4	..	33.7	3	20.7	8	235	14	..	56	7	
New Cal, Moue	97	29.0	23.6	26.3	..	33.8	21	20.7	7	177	22	..	25	7	
Kiribati, Tarawa	2	..	26.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Nanumea Is	2	30.9	25.9	28.4	..	..	..	..	..	..	..	..	..	..
Tuvalu, Nui Is	2	..	26.6	..	..	..	..	23.9	24	..	..	..	..	..
Tuvalu, Funafuti Aero	1	31.3	25.7	28.5	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.3	24.7	28.0	..	..	..	..	..	..	..	..	..	..
Fiji, Rotuma	26	30.8	25.0	27.9	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi Aero	15	30.9	22.7	26.8	..	33.0	18	..	..	..	..	..	..	..
Fiji, Nausori Aero	6	30.9	22.8	26.9	..	32.8	27	..	..	..	..	..	..	..
Fiji, Vunisea	33	30.4	24.1	27.3	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.8	24.5	27.7	..	31.7	12	22.4	6	..	..	..	..	..
Maopoopo, Futuna Isla	36	31.0	25.0	28.0	..	..	..	23.1	23	..	..	..	..	..
Samoa, Faleolo	4	31.2	22.5	26.9	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	30.8	23.2	27.0	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.4	24.8	27.6	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	29.8	22.3	26.1	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	30.0	25.1	27.6	..	..	..	..	..	..	..	..	..	..
Tonga, Fuaamotu Aero	38	30.4	22.8	26.6	..	..	..	18.6	21	..	..	..	..	..
Niue, Hanan Airport	59	29.7	24.2	27.0	..	..	..	21.0	23	..	..	..	..	..
CI Rarotonga Aero	7	29.5	23.7	26.6	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	29.5	24.0	26.8	..	30.9	5	21.2	24	81	13	..	33	7	
Vanuatu, Saratamata	18	..	23.2	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	31.0	23.6	27.3	..	33.9	10	21.8	9	..	..	..	..	..
Tahiti - Faaa	1	30.9	23.7	27.3	..	32.5	10	22.4	12	50	11	..	20	10	
Tuamotu, Takaraoa	2	30.1	25.6	27.9	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	29.4	25.2	27.3	..	30.5	14	23.9	19	..	..	..	..	..
Tuamotu, Hereheretue	3	29.6	24.5	27.1	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	28.9	23.3	26.1	..	..	..	..	..	..	..	..	..	..
Tubuai	2	29.0	22.8	25.9	..	..	..	20.0	12	39	18	..	6	16
Rapa	1	27.1	21.1	24.1	..	29.6	3	18.6	1	315	23	..	72	14	
Pitcairn Is	264	27.5	21.8	24.7	..	29.2	3	19.5	23	76	..	..	20	9
Pitcairn Island AWS	264	27.4	21.7	24.6	..	29.5	3	19.4	23	0	2	..	0	3	
Raoul Island AWS	49	25.9	21.5	23.7	..	29.2	23	18.2	10	363	18	..	156	9	
Enderby Is AWS	40	11.2	7.5	9.4	..	13.5	1	3.6	19	130	24	..	27	1	
Campbell Island AWS	19	10.3	6.9	8.6	-0.1	13.1	2	2.8	19	147	28	+25	16	2	
Chatham Islands AWS	48	17.6	12.4	15.0	+0.7	21.7	17	7.8	30	92	19	+17	35	22	
Chatham Island EWS	14	18.1	12.9	15.5	..	21.5	16	6.6	20	110	15	..	33	22	
Georg Von Neumayer	40	-12.3	-21.2	-16.8	..	-6.1	8	-31.1	19	..	..	..	..	..
Ant South Pole	2827	-53.0	-58.9	-56.0	..	-43.2	18	-65.6	15	..	..	..	..	..
Halley Bay	30	-13.3	-22.2	-17.8	..	-5.4	4	-41.0	28	..	..	..	..	..
Gen Belgrano 2	32	-11.4	-17.3	-14.4	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	2.6	..	..	..	..	..	..	..	..	..	..	..	..
Eduardo Frei	10	1.8	-1.0	0.4	..	..	..	..	..	..	..	..	..	..
Arturo Prat	14	1.4	-0.6	0.4	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	0.3	-2.3	-1.0	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	3.7	0.3	2.0	..	8.0	9	-1.5	23	..	..	..	..	..
Rothera Point	16	1.5	-1.2	0.2	..	3.9	19	-4.9	30	..	..	..	..	..
Argentine Is, Faraday	11	2.9	-0.3	1.3	..	6.9	25	-2.7	19	..	..	..	..	..
Gen San Martin	4	2.5	-2.3	0.1	..	..	..	..	..	..	..	..	..	..
King Sejong	11	1.5	0.0	0.8	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-6.8	-10.8	-8.8	..	..	..	..	..	..	..	..	..	..
Mawson	16	-5.9	-13.4	-9.7	..	..	..	..	..	..	..	..	..	..
Davis	13	-4.2	-10.4	-7.3	..	0.7	3	..	..	..	..	..	..	..
Progress	64	-5.7	-8.2	-7.0	..	..	..	-16.1	9	..	..	..	..	..
Vostok	3420	-53.6	-61.5	-57.6	..	..	..	-67.8	15	..	..	..	..	..
Casey	41	-4.0	-10.9	-7.5	..	1.2	25	..	..	..	..	..	..	..
Durmont Durville	43	-5.6	-11.2	-8.4	..	0.7	9	-17.6	31	
Mcmurdo	24	-12.9	-19.5	-16.2	..	-5.8	6	-29.0	29	
Ant Scott Base	16	-14.9	-24.0	-19.5	..	-7.7	6	-35.2	19	

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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		
Ant Arrival Heights E	185	-14.9	-21.7	-18.3	..	-7.3	6	-29.3	20	
Ant Scott Base EWS	16	-13.8	-22.6	-18.2	..	-6.2	6	-32.9	19	..	..	..	..	..
Darwin Airport	31	30.5	21.3	25.9	..	33.3	24	18.0	10	268	29	..	52	28	
Hobart Airport	4	26.6	10.8	18.7	..	29.5	23	5.2	6	43	12	..	17	23	
Late returns and corrections for February 2011															
Tiri Tiri Lighthouse	76	23.2	18.5	20.9	+1.3	26.3	5	14.6	28	10	5	-41	3	21	
North Shore, Auckland	20	25.5	18.0	21.8	..	28.8	7	14.9	28	..	..	..	..	..
Lincoln Rd, Auckland	25	25.3	16.0	20.7	..	..	..	..	..	..	..	..	..	..
Tarapounamu EWS	701	21.1	12.0	16.6	..	25.8	5	8.2	1	7	3	..	5	24	
Pakuranga, Auckland R	15	26.1	17.4	21.8	..	28.2	13	12.7	28	..	..	..	..	..
Penrose Ews, Auckland	30	25.3	16.8	21.1	..	28.0	13	13.8	19	..	..	..	..	..
Pukekohe EWS	88	24.1	15.5	19.8	+0.8	27.2	22	10.6	28	9	4	..	4	11	
Te Kuiti EWS	62	25.1	14.2	19.7	..	28.1	15	9.2	27	53	7	..	27	26	
Alfredton EWS	240	22.8	11.7	17.3	..	28.3	22	4.9	18	13	10	..	3	16	
Dannevirke	207	23.9	14.4	19.2	+1.8	28.5	13	9.8	18	10	11	-61	2	2	
Baring Head	79	20.2	14.7	17.5	..	23.5	21	10.3	10	15	3	..	8	22	
Motueka, Riwaka EWS	8	25.7	11.8	18.8	+1.3	..	..	..	..	..	..	..	..	..
Boyle River Lodge	600	23.2	10.0	16.6	..	30.0	5	2.5	10	91	..	..	30	7
Craigieburn Forest	914	20.7	7.1	13.9	-0.1	29.1	5	0.5	10	50	7	-26	25	7	
Christchurch Aero	37	22.5	11.5	17.0	+0.2	35.9	6	4.7	10	35	11	-6	18	7	
Christchurch Gardens	7	22.6	13.0	17.8	+0.7	35.1	6	7.6	10	37	12	-2	22	7	
Dorie Cws @ Lefereks	55	21.7	11.5	16.6	..	31.9	6	6.1	27	21	9	..	8	21	
Stewart Is	3	17.4	8.5	13.0	-0.4	23.0	..	2.5	..	153	..	+47	..	..
Vanuatu, Pekoa	56	30.9	23.5	27.2	..	..	..	..	..	..	..	..	..	..
Vanuatu, Aneityum	6	30.7	23.4	27.1	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for January 2011															
Tarapounamu EWS	701	19.4	10.9	15.2	..	26.9	17	6.3	13	436	15	..	154	23	
Pukekohe EWS	88	24.1	14.6	19.4	+0.8	28.3	7	11.4	2	185	11	..	66	22	
Te Kuiti EWS	62	24.7	12.9	18.8	..	28.2	4	8.0	14	203	10	..	97	23	
Baring Head	79	19.3	13.8	16.6	..	27.8	18	8.6	14	41	8	..	26	23	
Maud Island	15	20.9	15.0	18.0	..	25.0	31	11.7	10	91	..	..	..	..
Dorie Cws @ Lefereks	55	20.9	11.2	16.1	..	29.9	16	5.4	14	22	8	..	18	18	
Stewart Is	3	17.7	10.4	14.1	+0.7	22.5	9	6.5	22	133	16	-19	37	30	
Late returns and corrections for December 2010															
Tarapounamu EWS	701	19.3	10.2	14.8	..	26.4	12	4.3	9	155	14	..	69	19	
Pukekohe EWS	88	22.7	14.5	18.6	+1.6	26.8	22	9.3	9	91	15	..	41	19	
Te Kuiti EWS	62	23.3	13.5	18.4	..	29.1	15	6.7	10	193	14	..	38	19	
Baring Head	79	19.3	13.6	16.5	..	23.2	18	9.0	29	62	13	..	24	27	
Dorie Cws @ Lefereks	55	21.3	12.3	16.8	..	32.2	18	6.4	23	0	0	..	0	1	
Stewart Is	3	17.2	11.3	14.3	+2.0	24.0	21	3.5	9	109	16	-10	30	27	
Late returns and corrections for November 2010															
Te Kuiti EWS	62	21.7	8.7	15.2	..	27.5	28	1.4	1	17	5	..	8	4	
Baring Head	79	18.1	11.3	14.7	..	29.6	17	7.1	6	17	4	..	14	20	
Dorie Cws @ Lefereks	55	20.2	9.9	15.1	..	28.6	29	3.0	7	18	2	..	18	5	
Stewart Is	3	17.4	10.2	13.8	+3.0	26.0	13	7.0	..	106	..	-12	18	13	
Late returns and corrections for October 2010															
Te Kuiti EWS	62	18.1	6.8	12.5	..	22.1	29	2.4	23	33	11	..	12	17	
Baring Head	79	13.6	8.7	11.2	..	17.5	28	3.4	11	34	9	..	9	8	
Dorie Cws @ Lefereks	55	17.2	6.0	11.6	..	23.5	28	2.1	2	27	9	..	13	10	
Late returns and corrections for September 2010															
Te Kuiti EWS	62	15.3	6.6	11.0	..	19.3	28	1.2	4	296	24	..	42	6	
Baring Head	79	13.8	9.1	11.5	..	16.4	26	3.6	22	90	16	..	21	30	
Dorie Cws @ Lefereks	55	15.1	5.6	10.4	..	21.4	27	..	..	25	13	..	13	12
Late returns and corrections for August 2010															
Te Kuiti EWS	62	14.1	5.1	9.6	..	17.0	26	-1.6	10	..	..	..	..	106

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 2010													
Te Kuiti EWS	62	13.7	4.6	9.2	..	18.1	2	-1.1	16	..	..	..	..	..	86
		Late returns and corrections for May 2010													
Te Kuiti EWS	62	16.9	6.1	11.5	..	21.9	10	-1.0	6	137	16	..	44	25	132
		Late returns and corrections for April 2010													
Te Kuiti EWS	62	20.6	8.3	14.5	..	24.9	5	1.9	9	62	8	..	22	30	153
		Late returns and corrections for March 2010													
Te Kuiti EWS	62	22.5	9.8	16.2	..	28.0	5	0.0	18	20	6	..	12	24	199
		Late returns and corrections for February 2010													
Te Kuiti EWS	62	25.3	14.7	20.0	..	27.6	2	8.2	20	66	11	..	38	1	161
		Late returns and corrections for January 2010													
Te Kuiti EWS	62	23.8	12.1	18.0	..	29.1	30	5.0	9	144	13	..	51	21	232

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.