

MARCH 2010

Summary of the records of Temperature, Rainfall and Sunshine March 2010

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	22.1	15.9	19.0	..	25.1	6	13.5	19	25	11	-40	16	2	..
Kaitaia Aero EWS	80	23.4	14.3	18.9	..	26.4	28	8.7	19	34	4	..	28	2	..
Kaitaia Observatory	85	23.5	14.3	18.9	..	25.7	28	10.4	19	36	6	-40	30	2	..
Kaitaia EWS	85	21.8	13.2	17.5	-1.4	24.1	28	9.4	19	39	6	..	32	2	235
Kerikeri EWS	79	23.8	13.4	18.6	+0.2	26.4	28	7.3	19	61	11	-62	19	1	..
Kerikeri Aerodrome Aw	150	23.6	13.2	18.4	..	26.1	10	7.6	19	36	14	..	16	2	..
Kaikohe AWS	204	23.0	14.1	18.6	+0.7	26.5	28	10.2	18	36	15	-71	13	2	..
Trounson Cws	220	20.7	12.8	16.8	..	24.5	1	6.5	18	82	14	..	32	2	..
Dargaville 2 EWS	66	21.4	14.3	17.9	..	24.5	1	9.5	18	60	11	..	39	6	195
Purerua AWS	82	23.4	14.7	19.1	..	26.0	11	10.6	19	40	10	..	14	1	..
Whangarei Aero AWS	37	23.9	15.1	19.5	+0.6	26.4	23	10.7	18	8	8	-119	4	30	..
Warkworth EWS	72	22.5	13.4	18.0	..	25.6	24	7.7	18	12	12	-98	5	24	..
Whangaparaoa AWS	89	23.6	15.6	19.6	..	27.0	5	10.6	18	7	5	..	3	24	..
Kumeu Ews, Auckland R	16	22.1	12.7	17.4	..	25.8	6	5.9	18	12	8	..	5	23	..
Whenuapai AWS	26	23.1	13.6	18.4	..	26.5	6	6.3	18	..	..	..	..	..	..
North Shore Albany Aw	64	22.7	14.4	18.6	..	25.3	6	7.1	18	..	..	..	..	..	233
Henderson, River Pk	7	24.1	13.4	18.8	+0.4	28.0	6	5.4	18	34	12	-66	23	24	..
Henderson, Auckland R	35	22.7	15.6	19.2	..	26.0	6	9.3	18	..	..	..	..	..	..
Khyber Pass, Auckland	81	22.1	15.1	18.6	..	25.4	5	9.0	18	22	10	..	17	24	..
Onehunga, Auckland Re	5	22.6	16.0	19.3	+0.7	26.5	6	9.0	18	..	..	..	..	..	..
Waiheke Island, Awaro	34	24.0	13.8	18.9	..	27.8	6	6.5	18	16	7	-80	5	24	..
Whitianga Aero AWS	5	23.3	14.1	18.7	+1.1	26.6	10	4.6	18	23	10	-140	6	2	..
Paeroa AWS	18	23.8	12.4	18.1	+0.1	28.0	5	1.9	18	13	8	-94	8	24	..
Toenepi EWS	48	23.1	11.4	17.3	..	28.8	5	2.3	18	14	5	..	11	24	..
Matamata, Hinuera EWS	106	23.4	9.9	16.7	..	28.3	5	0.0	18	19	5	..	17	24	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	260
Tauranga Aero AWS	4	24.1	14.0	19.1	+1.2	27.5	21	5.4	18	17	6	-109	11	24	..
Te Puke EWS	91	23.5	11.6	17.6	..	..	..	..	..	19	6	-137	8	10	..
Whakatane Aero AWS	7	24.5	11.5	18.0	+0.4	28.3	11	3.7	18	29	3	-77	13	2	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	283
Kawerau AWS	42	25.0	11.7	18.4	..	29.5	21	3.4	18	..	..	..	..	..	247
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	238
Rotorua Aero AWS	283	21.4	10.5	16.0	-0.1	25.6	5	3.3	13	23	5	-88	20	24	..
Galatea AWS	174	22.4	9.7	16.1	..	27.5	4	2.5	18	18	6	..	11	24	..
Taupo Wxt AWS	385	20.4	10.9	15.7	..	24.5	5	1.4	18	11	6	..	10	24	..
Tarapounamu EWS	701	17.2	8.4	12.8	..	23.5	4	3.0	18	57	9	..	37	24	..
Taupo AWS	400	20.4	9.8	15.1	-0.2	24.5	10	-1.2	18	19	5	..	12	24	..
Opotiki	5	23.9	11.6	17.8	+0.2	28.2	5	6.0	19	56	5	-80	36	24	..
Motu EWS	488	20.2	7.9	14.1	..	25.1	27	-0.1	19	92	14	..	39	24	..
Otamatuna, Te Mapou H	624	19.2	8.7	14.0	..	24.1	21	2.5	13	36	9	..	31	24	..
Mangere EWS	5	21.8	14.2	18.0	..	25.8	6	6.1	18	13	11	..	8	24	198
Wiri, Auckland Region	18	22.1	15.3	18.7	+0.5	..	..	..	..	..	..	..	..	..	..
Auckland Aero	33	23.2	15.0	19.1	+0.4	27.4	1	7.5	18	8	9	-74	3	24	..
Ardmore	23	24.7	9.0	16.9	-0.9	27.6	1	0.6	19	11	9	-80	4	24	..
Pukekohe EWS	88	21.9	12.3	17.1	-0.7	27.1	6	5.3	18	14	10	..	7	24	..
Whatawhata 2 EWS	118	22.3	12.4	17.4	..	26.3	5	3.5	18	44	11	..	37	24	..
Hamilton, Ruakura 2 E	45	22.5	10.7	16.6	..	27.2	5	-0.2	18	15	6	..	12	24	206
Hamilton AWS	53	23.0	10.6	16.8	-0.1	27.6	5	-0.3	18	20	6	-71	15	24	..
Lake Karapiro Cws	55	21.8	12.6	17.2	..	27.1	5	3.7	18	8	6	..	7	24	..
Port Taharoa AWS	27	21.4	13.7	17.6	-0.9	..	..	..	..	..	..	..	..	..	..
Waikeria	46	23.7	9.2	16.5	-0.4	29.5	5	-1.8	18	26	3	-59	23	24	..
Te Kuiti EWS	62	22.5	9.8	16.2	..	28.0	5	0.0	18	20	6	..	12	24	199
Pureora Forest Cws	549	18.5	8.5	13.5	..	24.9	5	-2.7	18	23	8	..	19	24	..
Taumarunui	171	21.5	9.6	15.6	-0.8	25.8	5	-0.5	18	50	9	-45	23	24	..
Taumarunui AWS	195	22.1	8.4	15.3	..	28.0	5	-2.8	18	40	9	..	12	23	203
Turangi 2 EWS	350	21.4	7.4	14.4	..	25.9	5	-2.1	18	15	4	..	8	23	236
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	235
New Plymouth AWS	30	21.1	12.4	16.8	+0.1	26.3	6	3.4	18	66	10	-43	20	22	..
Mt Ruapehu, Chateau E	1097	16.2	5.8	11.0	+0.2	23.8	5	-3.4	18	85	14	-105	24	23	..
Alfredton EWS	240	20.6	10.9	15.8	..	25.8	10	0.0	18	44	9	..	13	11	..
Masterton Aero AWS	138	22.1	8.7	15.4	..	26.5	14	1.8	18	73	11	..	26	5	..
Masterton, Te Ore Ore	110	23.0	9.2	16.1	..	28.5	14	1.5	18	44	10	..	14	11	..
Kopua	311	20.8	10.7	15.8	+0.7	25.0	10	3.1	18	17	8	-76	6	24	..

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		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Takapau Plains AWS	330	20.2	9.4	14.8	..	24.5	10	1.9	18	25	10	..	6	28	..
Dannevirke EWS	207	20.8	11.2	16.0	..	26.2	5	3.4	18	29	13	..	9	24	209
Waione EWS	48	22.0	11.7	16.9	..	26.9	5	3.3	30	30	10	..	9	11	..
Cape Turnagain AWS	292	17.7	12.6	15.2	..	22.2	1	6.7	13	60	13	..	27	12	..
Castlepoint Station	9	21.4	13.5	17.5	..	25.6	14	7.9	18	53	..	-33	25	11	..
Castlepoint AWS	120	20.2	13.4	16.8	-0.3	24.7	14	7.6	13	54	11	..	23	11	..
Baring Head	79	19.0	12.9	16.0	..	23.4	10	4.9	18	21	5	..	13	24	..
Te Wharau, Brackenfie	292	20.5	9.2	14.9	..	24.8	4	3.4	19	65	10	..	20	12	..
Martinborough EWS	20	22.8	9.6	16.2	..	27.2	4	1.1	18	37	6	..	15	12	242
Ngawi AWS	6	21.6	13.9	17.8	..	26.0	21	8.6	18	..	..	..	..	..	..
Hicks Bay AWS	46	21.6	14.6	18.1	+0.0	24.5	11	10.1	18	59	11	..	27	24	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	207
Gisborne AWS	5	23.5	12.4	18.0	+0.6	29.0	27	6.3	19	21	9	-81	8	12	..
Tolaga Bay Wxt AWS	12	21.7	12.6	17.2	..	26.7	27	7.1	19	31	13	..	11	12	..
Napier Aero AWS	3	23.1	12.4	17.8	+0.7	..	..	5.4	31	17	9	-68	5	28	..
Napier Nelson Pk	2	23.7	12.2	18.0	+0.3	28.8	14	5.5	13	14	9	-71	6	28	216
Hastings AWS	16	24.0	10.9	17.5	..	28.8	14	5.2	31	13	8	..	5	12	..
Whakatu EWS	5	23.5	9.7	16.6	..	29.0	14	3.6	19	13	9	..	4	12	..
Waipawa EWS	130	22.0	8.5	15.3	..	27.0	21	3.2	31	6	5	..	3	24	229
Wairoa, North Clyde E	15	22.9	11.5	17.2	-0.2	27.8	1	7.3	18	26	11	-110	9	17	..
Mahia Radar Wxt AWS	419	18.2	12.6	15.4	..	..	..	..	..	38	12	..	13	11	..
Mahia AWS	136	20.8	14.2	17.5	+0.3	25.2	22	9.8	18	17	8	..	8	11	..
Cape Kidnappers Wxt A	118	19.8	14.6	17.2	..	26.0	14	8.3	13	24	13	..	10	12	..
Paraparamu Aero	5	20.5	11.7	16.1	+0.1	23.8	8	2.3	18	33	8	-42	14	22	215
Paraparamu Aero AWS	5	20.2	11.5	15.9	-0.2	23.7	8	2.0	18	32	8	..	13	22	239
Ohakea AWS	50	20.9	12.0	16.5	..	25.7	5	3.3	18	..	..	..	..	..	..
Palmerston North AWS	39	21.4	11.1	16.3	+0.0	27.4	5	0.4	18	38	11	-29	17	22	..
Palmerston North EWS	21	20.6	11.5	16.1	..	26.9	5	0.5	18	41	12	..	19	22	156
Levin AWS	14	20.2	11.3	15.8	-0.5	24.4	5	1.6	18	43	8	..	13	22	..
Mana Island AWS	100	18.0	12.9	15.5	..	21.4	5	..	..	24	6	..	9	24	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	245
Wellington, Kelburn A	125	19.7	12.4	16.1	..	23.3	10	6.1	18	50	12	..	13	11	..
Wellington Aero	4	20.5	13.2	16.9	+0.3	24.3	10	7.2	18	34	8	-41	12	12	..
Wallaceville EWS	56	21.9	9.9	15.9	..	26.1	5	0.5	18	48	10	-45	13	24	214
Stratford EWS	300	20.0	10.3	15.2	..	23.3	10	2.4	18	60	8	..	44	22	231
Hawera AWS	98	20.2	11.1	15.7	..	24.8	1	0.3	18	28	9	..	17	22	..
Ohakune EWS	607	18.9	7.9	13.4	..	24.3	5	-1.0	18	55	11	..	19	24	199
Waiouru	806	17.2	6.5	11.9	-0.5	23.0	5	-3.0	18	30	11	-42	9	24	..
Waiouru AWS	820	16.9	6.4	11.7	..	24.1	5	-3.7	18	31	14	-43	8	24	..
Taihape Rec	433	21.1	7.3	14.2	-0.5	26.8	5	-1.7	18	25	10	-48	7	17	..
Wanganui, Spriggens Pa	15	21.4	12.2	16.8	-0.3	26.2	1	4.1	18	47	7	-22	24	22	..
Wanganui AWS	8	20.9	12.2	16.6	-0.2	25.5	1	4.3	18	55	6	..	27	22	..
Wanganui 2 AWS	18	21.8	11.7	16.8	..	26.2	1	..	..	..	..	..	..	..	..
Takaka, Kotinga 2	25	22.9	9.2	16.1	+0.7	27.6	19	4.6	25	43	9	-105	18	24	..
Takaka EWS	20	22.9	9.6	16.3	..	27.7	19	4.9	25	43	7	..	20	24	234
Farewell Spit AWS	3	20.9	13.6	17.3	+0.6	24.4	27	10.4	25	24	8	..	13	24	..
Westport Aero AWS	2	19.3	11.3	15.3	-0.2	24.5	6	6.9	13	101	19	-66	30	24	..
Arapito	18	20.0	10.8	15.4	-0.3	23.2	6	7.1	5	112	15	-61	32	24	183
Arapito EWS	18	19.6	10.1	14.9	..	23.0	6	6.5	5	101	16	..	31	24	..
Murchison EWS	185	21.8	8.1	15.0	..	29.0	8	0.1	18	72	14	-18	23	24	..
Lake Rotoiti EWS	634	19.6	6.8	13.2	..	26.0	5	-2.1	18	78	17	..	29	24	..
Hokitika Aero	39	17.8	10.3	14.1	-0.6	24.8	6	6.0	2	192	21	-25	35	21	145
Hokitika AWS	38	17.7	10.4	14.1	-0.6	24.7	6	5.9	18	183	20	..	33	21	..
Reefton EWS	198	20.9	9.5	15.2	+0.3	27.5	8	1.9	18	105	14	-18	27	24	168
Blackball	35	19.5	9.2	14.4	..	26.5	6	2.5	..	171	..	..	38	22	..
Greymouth Aero	4	18.3	10.4	14.4	-0.7	25.1	6	6.1	18	177	16	-9	33	23	136
Greymouth Aero EWS	5	17.8	11.0	14.4	..	25.4	6	6.8	18	172	15	..	33	23	158
Mahanga EWS	1995	9.0	2.2	5.6	..	16.6	8	-4.3	25	198	18	..	33	24	..
Okarito	2	17.3	10.1	13.7	..	22.4	6	5.4	25	251	19	+1	75	21	..
Franz Josef	155	17.8	8.9	13.4	-0.7	25.1	9	1.2	14	478	19	-33	118	21	..
Franz Josef EWS	80	17.4	9.0	13.2	..	23.5	6	4.9	2	295	16	..	90	21	117
Haast AWS	5	16.7	9.4	13.1	-1.0	22.6	6	3.6	13	225	20	..	36	23	..
Milford Sound	3	17.4	9.2	13.3	-0.2	22.4	10	5.8	13	888	20	+245	142	30	..

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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		
Milford Sound AWS	3	18.0	9.0	13.5	..	23.4	10	5.1	13	827	23	..	133	30	..
Secretary Island AWS	19	15.8	11.0	13.4	..	20.4	8	7.1	17	536	27	..	120	31	..
Puysegur Point AWS	44	15.5	11.1	13.3	+0.2	21.4	29	7.6	18	283	26	+91	64	30	..
Motueka, Riwaka EWS	8	23.2	9.2	16.2	+0.5	28.2	26	3.2	18	26	7	-78	11	24	..
Pelorus Sd, Crail Bay	13	21.7	12.5	17.1	+0.4	26.8	27	7.4	18	27	..	-106	11	24	..
Nelson Aero	2	22.2	11.5	16.9	+0.9	26.1	26	5.6	13	42	6	-35	15	24	235
Appleby 2 EWS	18	23.4	9.2	16.3	..	27.8	15	1.9	29	48	9	..	28	11	232
Nelson AWS	4	22.7	11.7	17.2	+0.8	26.8	15	5.2	13	31	7	..	11	24	..
Blenheim Research EWS	4	23.1	10.2	16.7	+0.5	27.8	16	2.0	24	33	6	-17	15	24	262
Blenheim Aero AWS	35	23.5	9.2	16.4	+0.5	28.5	21	1.2	18	44	6	-12	26	24	..
Brothers Island AWS	68	18.7	13.9	16.3	..	22.5	21	9.8	18	15	8	..	4	5	..
Awatere Valley, Dashw	83	22.9	10.1	16.5	..	28.2	21	1.6	18	40	6	..	17	24	..
Grassmere Salt Works	2	22.8	12.6	17.7	+1.2	28.7	20	5.6	18	37	5	-19	15	24	..
Cape Campbell AWS	2	18.4	13.3	15.9	..	22.8	3	6.9	13	34	8	..	12	24	..
Boyle River Lodge	600	19.6	6.6	13.1	..	27.5	9	-1.0	18	130	..	..	35	23	..
Hanmer Forest EWS	363	22.5	6.1	14.3	+0.4	29.6	10	-2.3	18	68	10	-29	18	5	..
Kaikoura AWS	105	20.0	11.8	15.9	+0.7	28.9	22	3.5	13	68	10	-22	19	12	..
Arthurs Pass	738	15.4	6.5	11.0	+0.0	25.1	8	0.9	18	378	17	+38	107	21	..
Arthurs Pass EWS	738	15.1	6.2	10.7	..	25.8	8	0.4	18	363	20	..	103	21	..
Culverden AWS	181	21.4	8.8	15.1	..	26.7	4	-0.4	18	42	17	..	15	12	..
Waiau School Cws	136	23.2	9.2	16.2	..	29.3	4	0.0	18	77	8	..	20	16	..
Cheviot EWS	75	23.1	8.2	15.7	..	29.9	14	-1.5	18	41	6	..	17	12	208
Mt Potts EWS	2128	9.3	1.7	5.5	..	16.6	15	-5.7	18	..	..	..	..	..	..
Mt Cook EWS	765	20.0	7.3	13.7	+1.2	28.4	15	2.1	13	425	15	+10	204	21	137
Craigieburn Forest	914	18.8	4.6	11.7	-0.2	27.4	10	-1.0	18	167	15	+75	49	23	..
Snowdon EWS	560	19.9	7.6	13.8	..	28.1	8	0.2	18	55	10	..	18	16	..
Methven, Three Spring	305	20.4	8.0	14.2	..	27.6	4	1.0	18	42	11	..	14	11	..
Methven Cws	313	21.1	9.2	15.2	..	28.1	4	2.6	29	43	9	..	15	11	..
Winchmore EWS	160	22.2	7.8	15.0	+0.7	29.6	4	2.4	13	39	10	-28	12	16	..
Peel Forest	286	21.2	6.7	14.0	+0.6	28.2	26	0.0	18	78	15	-28	29	11	..
Ashburton Council	101	22.8	7.9	15.4	+0.4	29.8	26	2.3	18	25	10	-39	9	16	..
Ashburton Aero AWS	89	22.0	8.3	15.2	..	30.0	26	..	..	21	6	..	10	16	208
Waipara West EWS	130	22.8	9.9	16.4	..	29.3	4	2.3	18	31	7	..	15	12	221
Rangiora EWS	23	22.2	7.8	15.0	+0.3	30.7	14	1.1	25	19	6	..	9	12	177
Darfield EWS	190	22.0	9.7	15.9	..	28.6	4	2.9	18	23	7	..	8	11	..
Christchurch Aero	37	22.2	8.5	15.4	+0.3	30.4	14	0.6	18	22	7	-34	11	12	195
Christchurch, Kyle St	6	22.4	10.4	16.4	..	31.4	14	2.8	18	18	8	..	10	12	..
New Brighton Pier AWS	12	18.8	12.8	15.8	..	26.0	14	6.9	13	..	..	..	..	..	..
Lincoln, Broadfield E	18	21.6	9.1	15.4	+0.4	30.0	14	1.8	18	23	8	..	7	12	..
Sugar Loaf AWS	618	19.0	9.6	14.3	..	..	..	3.6	18	..	..	..	..	..	..
Lyttelton Harbour	5	20.8	12.7	16.8	..	28.1	14	7.4	18	13	6	..	7	12	..
Leeston, Harts Creek	12	21.5	8.8	15.2	..	29.9	26	1.0	18	22	7	..	13	16	..
Akaroa EWS	45	21.7	10.4	16.1	..	29.2	26	4.1	18	..	..	..	..	..	201
Le Bons Bay AWS	236	19.0	11.2	15.1	+0.8	..	..	..	..	..	..	..	..	..	..
Lake Tekapo, Air Safa	762	20.8	6.7	13.8	+1.1	27.4	10	-0.9	17	16	4	-36	8	23	..
Lake Tekapo EWS	762	21.4	7.1	14.3	..	28.0	10	-0.5	17	15	6	..	7	23	226
Fairlie AWS	403	20.3	7.9	14.1	..	26.3	30	0.6	18	18	12	..	6	12	..
Pukaki Aerodrome AWS	473	23.3	5.8	14.6	..	30.0	15	-1.5	18	20	6	..	10	23	..
Hakataramea Valley Cw	355	22.1	8.1	15.1	..	29.6	10	0.5	18	7	6	..	2	5	..
Woodbury	195	23.4	6.4	14.9	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	22.2	7.4	14.8	+0.8	30.7	26	1.3	18	35	6	-33	23	11	..
Orari Estate Cws	81	21.5	7.5	14.5	..	29.6	26	1.5	18	36	10	..	22	11	..
Timaru Aero AWS	26	22.0	6.9	14.5	+0.7	30.6	26	0.7	18	31	9	-27	20	11	..
Timaru EWS	17	20.6	9.8	15.2	..	30.8	26	4.5	18	32	7	..	20	11	..
Waimate Cws	55	20.9	8.8	14.9	..	28.7	26	3.5	18	19	7	..	7	16	..
Oamaru Airport AWS	30	19.8	9.1	14.5	..	28.3	26	3.3	12	14	9	..	4	15	..
Albert Burn	1280	13.0	3.6	8.3	..	23.2	8	-2.6	18	228	17	..	62	21	..
Eglinton, Knobs Flat	365	17.4	7.0	12.2	..	26.6	8	0.3	17	292	20	..	75	21	..
Tara Hills AWS	488	22.4	7.1	14.8	+1.4	28.8	15	-0.6	18	21	3	-27	11	23	..
Wanaka Aero AWS	352	21.7	9.0	15.4	..	30.0	8	2.6	12	23	4	..	10	23	..
St Bathans, Post Offi	585	..	8.8	..	..	..	..	..	..	..	..	..	..	..	..
Naseby Forest 2	607	20.3	6.3	13.3	+1.4	28.0	10	0.0	12	20	7	-35	7	21	..
Windsor EWS	81	22.2	7.8	15.0	..	29.4	26	2.1	18	3	4	..	1	23	..

Summary of the records of Temperature, Rainfall and Sunshine March 2010

Station	Height of Station Above M.S.L.	Air Temperature								Rainfall					Bright Sun-shine
		Means of		Mean of A and B	Differ-ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ-ence From Normal	Max		
		A Max	B Min			°C	°C	°C	Date				Min	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm		mm	mm	Hrs	
Ranfurlly EWS	450	21.6	6.3	14.0	..	29.5	10	-0.2	18	10	7	..	5	21	..
Oamaru AWS	40	21.0	9.6	15.3	..	30.1	26	3.5	18	11	8	..	4	24	..
Rock And Pillar	270	20.9	8.4	14.7	..	28.9	10	0.2	18	..	..	..	..	..	..
Palmerston	21	21.1	7.0	14.1	+1.0	29.9	30	0.1	18	16	12	-45	6	24	151
Middlemarch EWS	213	21.6	7.7	14.7	..	30.0	10	-0.5	29	13	12	..	4	5	160
Swampy Summit AWS	722	14.5	4.8	9.7	..	23.5	30	-1.9	13	..	..	..	..	..	..
Dunedin Aero AWS	1	20.7	7.7	14.2	+1.1	28.6	30	0.6	18	29	12	-30	6	16	..
Dunedin, Musselburgh	4	19.1	10.8	15.0	+1.2	28.0	26	6.0	18	23	16	-47	6	16	152
Murchison Mtns EWS	1140	10.5	3.5	7.0	..	20.2	8	-2.6	18	408	22	..	79	31	..
Takahe Valley Cws	895	13.3	4.7	9.0	..	22.9	9	0.0	13	293	21	..	65	31	..
Manapouri, West Arm J	178	17.7	10.5	14.1	..	28.1	8	4.3	28	398	23	..	77	31	..
Manapouri Aero AWS	209	18.1	7.3	12.7	..	25.6	9	0.6	28	123	15	..	26	23	..
Queenstown	329	21.0	9.4	15.2	+0.8	29.8	8	4.7	13	82	9	+2	29	1	167
Queenstown Aero AWS	354	20.1	8.2	14.2	+1.2	27.9	8	1.1	13	52	9	-14	17	21	..
Lumsden AWS	187	19.0	7.6	13.3	+0.7	..	..	0.4	18	63	17	..	18	23	..
Cromwell EWS	213	23.6	9.6	16.6	..	32.7	9	3.5	12	11	5	..	6	21	205
Lauder EWS	375	21.4	7.4	14.4	..	29.6	9	0.0	12	12	8	..	6	21	..
Ophir 2	305	21.8	5.8	13.8	..	30.5	9	-1.4	18	15	8	..	6	31	..
Alexandra	150	23.6	7.7	15.7	..	31.2	9	2.2	17	12	5	..	7	22	181
Clyde EWS	171	22.6	7.9	15.3	+1.1	..	..	..	..	19	4	..	10	21	..
Alexandra Cws	140	22.8	8.9	15.9	..	32.0	9	3.2	12	19	10	..	10	21	..
Ettrick No.2	91	21.7	8.0	14.9	+1.4	30.5	10	1.4	18	21	8	..	5	16	..
Waitutu Cws	30	17.9	8.0	13.0	..	23.5	10	3.2	18	265	20	..	48	30	..
Winton	44	18.9	8.2	13.6	+0.9	25.0	31	3.0	17	62	16	-23	9	21	134
Gore AWS	123	17.2	8.1	12.7	+0.1	24.4	10	1.6	18	62	20	-20	9	21	..
Invercargill Aero		17.1	8.8	13.0	+0.5	23.6	10	1.4	18	120	22	+26	18	24	136
Invercargill Aero AWS	1	17.1	8.7	12.9	..	23.5	10	1.6	18	118	23	..	15	24	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	118	23	..	18	24	132
Tiwai Point EWS	5	16.2	9.9	13.1	-0.1	22.0	29	5.2	29	142	22	+45	21	24	..
Balclutha, Telford Ew	11	18.2	8.1	13.2	..	24.7	26	0.6	18	28	18	..	6	23	174
Nugget Point AWS	129	16.5	9.1	12.8	+0.1	24.2	26	5.6	18	42	24	..	8	24	..
South West Cape AWS	101	13.9	9.4	11.7	..	21.2	29	6.4	17	299	25	..	170	30	..
Solomon, Taro Is	3	31.2	25.0	28.1	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	31.0	24.6	27.8	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	24.9	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.2	24.5	27.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.6	23.6	27.6	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	31.0	24.7	27.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	24.3	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	..	23.7	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	..	22.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	30.2	22.1	26.2	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	22.7	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	29.8	24.0	26.9	..	..	..	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	28.6	23.1	25.9	..	30.5	3	18.8	31	..	..	..	..	..	..
New Cal, Poinoimie	13	28.8	22.9	25.9	..	30.3	1	20.8	10	266	24	..	69	29	..
New Cal, La Roche	42	28.6	21.7	25.2	..	31.6	3	15.4	7	159	24	..	30	29	..
New Cal, La Tontouta	14	31.2	20.9	26.1	..	33.9	22	17.6	10	..	..	..	..	..	..
New Cal, Nouma	72	27.8	22.7	25.3	..	30.7	2	20.0	29	..	..	..	..	..	..
New Cal, Moue	97	27.9	21.8	24.9	..	29.6	1	19.5	7	198	19	..	52	30	..
New Cal, Matthew	27	26.4	23.9	25.2	..	27.8	1	22.3	25	..	..	..	..	..	..
Kiribati,Tarawa	2	..	26.2	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	31.5	25.0	28.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.2	25.2	28.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.1	26.5	28.8	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.6	25.5	28.6	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	30.1	25.1	27.6	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nambowalu	36	29.7	24.5	27.1	..	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	31.3	23.6	27.5	..	36.0	13	..	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	29.7	23.3	26.5	..	..	..	..	..	..	..	..	..	..	..
Fiji, Vunisea	33	29.2	24.0	26.6	..	30.9	17	..	..	..	..	..	..	..	..
Kiribati, Kanton Isl	2	32.3	25.1	28.7	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.9	25.8	28.4	..	32.5	24	24.1	7	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine March 2010

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		
Samoa,Faleolo	4	31.5	25.0	28.3	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	31.2	25.6	28.4	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	32.3	27.2	29.8	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	31.4	25.2	28.3	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	30.4	24.4	27.4	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	29.9	25.9	27.9	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.5	24.0	26.8	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport	59	30.7	24.2	27.5	..	32.0	11	19.5	29	..	..	..	..	..
CI Rarotonga Aero	7	29.5	24.3	26.9	..	31.5	18	..	..	..	..	..	..	..
Rarotonga EWS	4	29.5	24.4	27.0	..	31.6	18	21.2	18	25	12	..	10	26	
Hiva Hoa, Atuona	51	32.9	24.3	28.6	..	34.9	17	22.7	12	..	..	..	..	..
Tahiti - Faaa	1	31.2	25.4	28.3	..	32.4	25	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	..	24.2	..	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	27.9	22.5	25.2	..	..	..	..	..	..	..	..	..	..
Tubuai	2	28.9	22.3	25.6	..	30.3	24	17.2	7	45	10	..	30	31	
Rapa	1	25.2	21.2	23.2	..	26.6	4	17.0	12	206	21	..	87	2	
Pitcairn Is	264	25.6	20.0	22.8	..	27.3	9	17.6	30	243	..	..	69	28
Raoul Island AWS	49	24.8	19.8	22.3	..	27.2	3	17.2	19	172	14	..	62	3	
Enderby Is AWS	40	10.9	7.3	9.1	..	..	..	4.6	17	..	..	..	..	..
Campbell Island AWS	19	9.8	6.2	8.0	-0.7	13.7	29	3.1	4	154	29	+32	14	10	
Chatham Islands AWS	48	16.7	12.3	14.5	+0.2	20.2	8	5.6	18	68	17	-7	21	24	
Chatham Island EWS	14	17.7	12.4	15.1	..	23.4	4	6.6	18	58	15	..	19	24	
Georg Von Neumayer	40	-9.0	-15.5	-12.3	..	-2.9	16	-28.4	30	..	..	..	..	..
Ant South Pole	2800	-47.3	-53.3	-50.3	..	-35.3	9	-62.6	18	..	..	..	..	..
Halley Bay	30	-11.7	-20.0	-15.9	..	-2.6	2	-30.0	31	..	..	..	..	..
Gen Belgrano 2	32	-8.8	-16.0	-12.4	..	..	..	..	..	..	..	..	..	..
Base Jubany	4	2.3	-1.9	0.2	..	8.2	7	-9.5	21	..	..	..	..	..
Dinamet	10	1.8	-1.2	0.3	..	7.7	7	-7.2	21	..	..	..	..	..
V C Marambio	198	-5.1	-11.1	-8.1	..	..	..	-23.0	24	..	..	..	..	..
Eduardo Frei	10	1.0	-2.0	-0.5	..	4.9	7	-8.4	21	..	..	..	..	..
Arturo Prat		1.4	-1.7	-0.2	..	4.5	7	-8.2	24	..	..	..	..	..
Bernado Ohiggins	10	-0.5	-4.2	-2.4	..	3.3	11	-24.2	20	..	..	..	..	..
Palmer Station	8	2.7	-0.6	1.1	..	11.6	8	-3.4	21	..	..	..	..	..
Rothera Point	16	0.3	-3.0	-1.4	..	7.2	8	-10.2	22	..	..	..	..	..
Gen San Martin	4	0.4	-4.7	-2.2	..	..	..	..	..	..	..	..	..	..
King Sejong	11	1.5	-1.2	0.2	..	8.5	7	..	..	..	..	..	..	..
Novolax Arevskaja	99	-5.6	-9.1	-7.4	..	..	..	-15.1	26	..	..	..	..	..
Mawson	16	-6.1	-12.5	-9.3	..	..	..	..	..	..	..	..	..	..
Davis	13	-4.1	-9.2	-6.7	..	..	..	-16.6	31	..	..	..	..	..
Progress	64	-6.0	-8.4	-7.2	..	1.3	2	-15.1	30	..	..	..	..	..
Vostok	3420	-51.0	-58.9	-55.0	..	-33.1	5	-66.6	22	..	..	..	..	..
Casey	41	-5.0	-10.8	-7.9	..	..	..	-18.1	31	..	..	..	..	..
Wilkins Runway East	755	-10.3	-18.3	-14.3	..	..	..	-25.2	24	..	..	..	..	..
Durmout Durville	43	-5.7	-11.5	-8.6	..	..	..	-20.1	29	..	..	..	..	..
Mcmurdo	24	-12.3	-19.0	-15.7	..	-2.9	18	-30.6	28	..	..	..	..	..
Ant Scott Base	16	-15.0	-22.7	-18.9	..	-4.0	19	-36.7	29	..	..	..	..	..
Ant Arrival Heights E	185	-15.5	-21.5	-18.5	..	-5.8	19	-33.2	28	..	..	..	..	..
Ant Scott Base EWS	16	-15.3	-22.6	-19.0	..	-4.2	19	-36.3	29	..	..	..	..	..
Darwin Airport	31	32.6	19.2	25.9	..	35.4	12	16.4	19	230	16	..	48	3	
Hobart Airport	4	26.3	13.1	19.7	..	30.5	25	6.4	1	18	8	..	6	5	
Late returns and corrections for February 2010															
Warkworth EWS	72	24.3	15.4	19.9	..	26.2	9	9.8	21	28	6	-46	9	1	
Tiri Tiri Lighthouse	76	23.5	18.8	21.2	+1.6	26.2	13	17.0	21	25	11	-26	9	10	
North Shore Albany Ew	64	24.8	17.3	21.1	..	26.4	9	11.4	21	13	8	..	7	25	
Matamata, Hinuera EWS	106	25.4	14.5	20.0	..	27.2	8	7.5	21	36	5	..	19	25	
Tarapounamu EWS	701	19.5	11.3	15.4	..	22.6	6	7.4	27	59	13	..	17	25	
Taupo AWS	400	23.4	14.1	18.8	+1.4	25.8	22	5.5	20	28	8	..	16	25	
Mangere EWS	5	24.2	17.0	20.6	..	26.5	17	11.8	21	9	8	..	3	25	
Pukekohe EWS	88	24.0	14.9	19.5	+0.5	27.0	27	10.3	20	12	10	..	3	13	
Hamilton, Ruakura 2 E	45	24.9	15.0	20.0	..	27.5	2	7.7	21	24	7	..	7	12	
Te Kuiti EWS	62	25.3	14.7	20.0	..	27.6	2	8.2	20	66	11	..	38	1	
Turangi 2 EWS	350	24.0	13.2	18.6	..	27.0	7	5.5	21	52	11	..	25	25	

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		
Whakatu EWS	5	23.3	13.6	18.5	..	28.7	13	5.9	20	24	10	..	7	11	..
Waipawa EWS	130	23.6	12.8	18.2	..	28.4	22	5.1	20	18	10	..	5	1	180
Palmerston North EWS	21	23.6	14.0	18.8	..	29.8	24	8.1	20	35	10	..	12	17	170
Stratford EWS	300	21.7	12.1	16.9	..	..	..	5.6	26	97	10	..	61	24	154
Takaka EWS	20	23.6	12.5	18.1	..	28.6	9	7.6	28	61	7	..	20	18	213
Blackball	35	23.2	11.7	17.5	..	30.5	1	7.8	27	152	..	..	..	..	..
Okarito	2	20.3	12.2	16.3	..	23.3	1	7.0	27	164	9	-87	45	17	..
Milford Sound	3	20.6	11.8	16.2	+1.3	25.6	1	6.4	19	287	12	-217	147	28	..
Craigieburn Forest	914	22.5	7.0	14.8	+0.8	29.0	6	2.4	1	58	9	-18	28	18	..
Rangiora EWS	23	22.4	11.1	16.8	+0.4	30.2	23	4.9	1	31	7	..	12	17	197
Lake Tekapo EWS	762	24.0	8.8	16.4	..	29.5	22	2.2	19	4	4	..	3	18	252
Naseby Forest 2	607	23.5	7.1	15.3	+1.3	31.0	23	..	..	33	6	-21	13	17	..
Windsor EWS	81	23.2	9.0	16.1	..	31.3	22	3.6	19	18	7	..	6	18	..
Palmerston	21	21.5	8.4	15.0	+0.2	31.8	22	2.9	16	18	6	-31	8	12	230
Dunedin, Musselburgh	4	19.7	11.7	15.7	+0.5	28.1	22	6.2	16	37	8	-25	17	12	245
Cromwell EWS	213	27.4	12.1	19.8	..	34.2	5	3.2	19	13	3	..	7	17	269
Lauder EWS	375	25.2	9.4	17.3	..	31.4	5	2.0	19	27	5	..	13	17	..
Stewart Is	3	18.2	10.4	14.3	+0.9	25.0	22	5.5	8	100	..	-6	32	28	..
Balclutha, Telford Ew	11	20.0	8.8	14.4	..	28.2	22	1.0	8	32	4	..	29	12	269
Solomon, Munda	6	..	24.9	..	..	..	..	..	..	260	16	..	47	2	..
Solomon, Honiara	56	32.0	24.2	28.1	..	..	..	22.5	18	248	17	..	96	28	..
New Cal, Oulop	7	31.0	23.9	27.5	..	32.3	27	19.3	3	2	4	..	1	20	..
New Cal, La Roche	42	30.4	20.6	25.5	..	..	..	..	..	14	14	..	5	21	..
New Cal, Moue	97	28.9	21.9	25.4	..	30.6	4	18.3	2	162	20	..	32	26	..
Late returns and corrections for January 2010															
Rangiora EWS	23	21.7	11.9	16.8	+0.1	32.5	1	5.3	1	25	7	..	8	22	144
Lake Tekapo EWS	762	21.0	8.7	14.9	..	28.6	1	2.9	11	90	11	..	33	6	193
Naseby Forest 2	607	20.8	7.8	14.3	+0.2	27.7	29	..	..	59	11	-12	20	21	..
Stewart Is	3	16.7	9.9	13.3	-0.1	23.5	1	5.2	9	113	14	-39	28	9	..
Solomon, Munda	6	..	24.3	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.5	24.5	28.0	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	29.7	23.6	26.7	..	32.4	20	21.3	29	..	..	..	..	..	..
Late returns and corrections for December 2009															
Rangiora EWS	23	20.3	9.5	14.9	-0.5	30.6	18	3.6	4	36	9	..	10	30	195
Stewart Is	3	16.0	8.2	12.1	-0.2	22.0	17	4.2	15	141	19	+22	30	7	..
Late returns and corrections for November 2009															
Rangiora EWS	23	18.9	7.0	13.0	-0.2	29.0	21	1.2	14	26	5	..	17	30	201
Late returns and corrections for October 2009															
Rangiora EWS	23	14.8	4.8	9.8	-1.6	22.3	2	-0.9	19	59	12	..	18	8	199

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.