

FEBRUARY 2011

Summary of the records of Temperature, Rainfall and Sunshine February 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	23.2	17.4	20.3	..	25.3	5	15.6	27	8	4	-53	3	15	..
Kaitaia Aero EWS	80	25.1	17.0	21.1	..	28.1	14	10.7	28	15	5	..	6	11	..
Kaitaia Observatory	85	25.3	16.6	21.0	..	28.6	5	10.3	28	16	7	-61	6	11	252
Kaitaia EWS	85	24.9	16.5	20.7	+0.7	28.3	5	10.0	28	14	5	..	6	11	246
Kerikeri EWS	79	26.0	15.9	21.0	+1.4	29.2	3	10.8	28	32	6	-61	16	21	..
Kerikeri Aerodrome Aw	150	25.5	15.9	20.7	..	30.0	5	11.1	27	47	9	..	20	11	..
Kaikohe AWS	204	25.8	16.6	21.2	+2.2	29.8	5	13.0	28	32	8	-60	15	11	..
Trounson Cws	220	23.3	15.1	19.2	..	26.3	13	9.6	28	4	4	..	4	13	..
Dargaville 2 EWS	66	24.7	16.3	20.5	..	28.7	13	12.3	28	34	4	..	18	12	201
Purerua AWS	82	25.0	17.0	21.0	..	28.6	4	13.4	28	19	7	..	6	9	..
Whangarei Aero AWS	37	25.4	17.4	21.4	+1.2	29.3	5	13.3	28	31	12	-64	7	28	..
Mokohinau AWS	60	24.0	19.1	21.6	..	26.5	5	17.2	9	25	10	-17	7	19	..
Leigh 2	27	25.8	17.4	21.6	+1.7	29.5	5	13.7	28	22	13	-37	8	15	..
Warkworth EWS	72	24.1	16.3	20.2	..	26.9	7	10.3	28	29	11	-45	10	22	..
Whangaparaoa AWS	89	25.0	17.6	21.3	..	27.9	5	14.5	28	17	8	..	9	8	..
Kumeu Ews, Auckland R	16	22.3	12.8	17.6	..	25.3	8	8.2	19	27	7	..	8	15	..
Whenuapai AWS	26	24.5	16.6	20.6	..	27.2	14	11.6	19	..	..	..	..	..	..
North Shore Albany Ew	64	24.3	17.2	20.8	..	27.4	14	13.2	19	32	9	..	20	15	200
Auckland, Henderson,	7	26.3	17.0	21.7	+1.8	29.5	13	12.1	18	44	9	-20	17	15	..
Khyber Pass, Auckland	81	24.4	17.7	21.1	..	27.4	8	15.0	28	16	6	..	12	22	..
Onehunga, Auckland Re	5	24.4	18.7	21.6	+1.7	27.6	13	15.4	19	..	..	..	..	..	..
Waiheke Island, Awaro	34	25.1	16.2	20.7	..	27.7	6	9.0	28	24	7	-43	10	21	..
Whitianga Aero AWS	5	24.5	16.7	20.6	+1.5	28.3	14	9.1	28	67	13	-21	25	15	..
Thames 2	3	24.9	16.8	20.9	+0.9	28.0	..	11.0	..	25	7	-31	10	22	..
Paeroa AWS	18	25.6	16.2	20.9	+1.2	29.1	5	9.3	28	39	10	-37	17	26	..
Toenepi EWS	48	25.6	15.7	20.7	..	28.7	15	8.6	28	11	4	..	7	22	..
Matamata, Hinuera EWS	106	25.1	14.1	19.6	..	28.7	5	7.1	28	57	4	..	50	11	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	211
Tauranga Aero AWS	4	26.0	17.4	21.7	+2.2	30.7	5	12.9	27	9	6	-63	7	11	..
Te Puke EWS	91	25.8	15.6	20.7	..	31.2	5	10.7	28	87	4	-14	64	26	..
Whakatane Aero AWS	7	25.9	16.0	21.0	+1.8	30.3	2	9.9	17	65	6	-9	29	26	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	255
White Island AWS	310	21.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Mamaku Radar Wxt AWS	617	20.2	13.4	16.8	..	23.8	5	9.5	28	4	5	..	2	26	..
Kawerau AWS	42	27.8	16.0	21.9	..	33.2	5	10.8	17	..	..	..	..	..	200
Rotorua Aero AWS	283	24.2	14.7	19.5	+1.6	28.2	5	8.5	28	69	7	-25	47	24	..
Galatea AWS	174	25.6	14.7	20.2	..	30.0	5	7.7	18	4	3	..	2	24	..
Taupo Wxt AWS	385	24.0	15.1	19.6	..	27.7	5	8.2	18	2	3	..	1	23	..
Tarapounamu EWS	701	21.1	12.0	16.6	..	25.8	5	8.2	1	7	3	..	5	24	..
Taupo AWS	400	23.6	14.0	18.8	+1.4	26.3	5	4.8	18	2	4	..	1	22	..
Opotiki	5	25.6	15.8	20.7	+1.6	29.3	15	10.4	17	54	9	-24	36	24	..
Motu EWS	488	22.6	12.7	17.7	..	29.5	5	7.6	19	40	12	..	14	25	..
Auckland, Mangere EWS	5	24.6	17.9	21.3	..	27.0	13	13.4	18	29	4	..	18	22	202
Wiri, Auckland Region	18	24.2	18.2	21.2	+1.6	27.2	13	14.2	28	..	..	..	..	..	..
Auckland Aero	33	24.4	17.9	21.2	+1.1	27.8	13	13.5	28	28	4	-38	16	15	..
Ardmore	23	26.2	15.4	20.8	+1.6	28.7	14	9.5	28	20	4	-50	17	22	..
Pukekohe EWS	88	24.1	15.5	19.8	+0.8	27.2	22	10.6	28	9	4	..	4	11	..
Firth Of Thames EWS	1	27.2	15.2	21.2	..	30.3	14	7.2	28	23	5	..	16	8	..
Whatawhata 2 EWS	118	24.3	15.1	19.7	..	28.1	15	10.6	18	72	8	..	36	11	..
Hamilton, Ruakura 2 E	45	25.1	15.2	20.2	..	28.0	15	9.0	28	13	6	..	4	15	175
Hamilton AWS	53	25.3	15.1	20.2	+1.6	28.6	15	9.1	28	34	9	-28	17	22	..
Lake Karapiro Cws	55	25.2	16.0	20.6	..	28.6	15	11.2	28	6	6	..	4	22	..
Port Taharoa AWS	27	24.3	17.0	20.7	+1.2	28.4	22	12.1	27	16	10	..	4	11	..
Waikeria	46	26.0	14.7	20.4	+1.7	29.5	14	8.2	28	22	3	-45	11	22	..
Te Kuiti EWS	62	25.1	14.2	19.7	..	28.1	15	9.2	27	53	7	..	27	26	189
Pureora Forest Cws	549	21.8	12.2	17.0	..	24.7	15	7.0	18	32	7	..	10	26	..
Taumarunui	171	24.7	14.3	19.5	+1.1	27.6	21	9.2	1	18	11	-62	8	15	..
Taumarunui AWS	195	25.9	13.5	19.7	..	29.9	15	7.6	1	21	7	..	9	15	193
Turangi 2 EWS	350	24.1	12.3	18.2	..	27.8	5	5.1	18	11	1	..	11	22	202
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	205
New Plymouth AWS	30	23.0	14.6	18.8	+0.8	26.3	15	8.7	1	24	9	-66	7	7	..
Lower Retaruke Cws	233	25.3	13.9	19.6	..	28.1	21	8.1	27	8	7	..	5	22	..
Mt Ruapehu, Chateau E	1097	18.7	8.7	13.7	+1.1	21.4	6	0.8	1	48	8	-102	15	3	..

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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		
Pahiatua EWS	110	22.8	14.2	18.5	..	28.2	22	6.5	18	27	9	..	12	3	..
Masterton Aero AWS	138	25.4	12.9	19.2	..	32.0	6	4.8	28	12	8	..	4	9	..
Masterton, Te Ore Ore	110	24.3	7.0	15.7	..	30.7	5	0.7	28	3	4	..	2	9	..
Kopua	311	23.4	13.7	18.6	+1.8	29.2	7	9.0	18	18	11	-51	4	11	..
Takapau Plains AWS	330	23.0	12.9	18.0	..	27.9	5	7.8	18	24	14	..	5	9	..
Dannevirke EWS	207	22.8	13.9	18.4	..	27.4	7	9.2	18	6	9	..	1	13	185
Waione EWS	48	25.4	14.7	20.1	..	32.0	13	9.0	18	23	10	..	13	11	..
Cape Turnagain AWS	292	19.0	14.3	16.7	..	25.0	5	11.6	27	14	14	..	5	11	..
Akitio EWS	245	20.8	13.8	17.3	..	26.0	5	11.0	27	74	11	..	54	3	205
Castlepoint Station	9	22.4	15.5	19.0	..	29.4	5	10.8	18	5	4	-66	2	22	..
Castlepoint AWS	120	21.7	15.1	18.4	+0.1	28.1	5	12.1	1	11	7	..	6	22	..
Baring Head	79	20.2	14.7	17.5	..	23.5	21	10.3	10	15	3	..	8	22	..
Te Wharau, Brackenfe	292	23.6	12.1	17.9	..	28.8	5	6.4	28	9	8	..	2	9	..
Martinborough EWS	20	24.7	14.0	19.4	..	29.2	21	7.1	17	15	4	..	9	7	187
Ngawi AWS	6	23.5	15.3	19.4	..	30.6	6	11.3	10	29	5	..	22	22	..
Hicks Bay AWS	46	23.9	17.3	20.6	+1.5	28.2	4	13.9	27	51	9	..	32	26	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	204
Gisborne AWS	5	25.4	16.3	20.9	+1.9	36.3	2	9.3	19	86	9	+12	42	24	..
Tolaga Bay Wxt AWS	12	22.9	16.5	19.7	..	35.0	2	11.0	19	32	13	..	7	20	..
Napier Aero AWS	3	24.0	15.9	20.0	+1.4	32.4	2	11.7	28	29	9	-33	6	10	..
Napier Nelson Pk	2	25.6	16.2	20.9	+1.6	32.8	7	12.2	1	13	8	-49	3	24	212
Hastings AWS	16	25.1	15.7	20.4	..	33.8	7	9.7	28	8	8	..	2	17	..
Whakatu EWS	5	24.1	14.9	19.5	..	32.0	7	8.5	28	9	9	..	5	22	..
Waipawa EWS	130	24.3	13.8	19.1	..	30.3	7	8.3	1	13	8	..	4	17	190
Wairoa, North Clyde E	15	25.3	15.7	20.5	+1.6	34.5	2	11.4	28	59	8	-60	27	23	..
Mahia Radar Wxt AWS	419	20.6	15.1	17.9	..	29.0	2	12.0	17	31	11	..	10	24	..
Mahia AWS	136	23.4	16.5	20.0	+1.7	30.3	2	13.8	17	39	9	..	13	23	..
Cape Kidnappers Wxt A	118	21.2	16.8	19.0	..	29.4	2	13.9	27	4	8	..	2	23	..
Paraparaumu Aero	5	22.4	13.9	18.2	+0.9	26.1	11	6.1	16	30	10	-26	6	22	220
Paraparaumu Aero AWS	5	22.0	14.1	18.1	+0.8	25.7	11	6.2	16	26	11	..	6	22	239
Ohakea AWS	50	23.5	15.0	19.3	..	28.0	7	11.4	18	..	..	..	..	..	..
Palmerston North AWS	39	24.0	15.2	19.6	+1.7	29.2	22	10.6	28	29	7	-28	10	4	..
Palmerston North EWS	21	23.2	15.3	19.3	..	28.0	22	11.1	11	50	8	..	18	4	178
Levin AWS	14	23.0	14.4	18.7	+0.9	26.1	13	7.7	16	67	10	..	41	7	..
Mana Island	2	22.3	15.4	18.9	+1.0	24.8	21	11.3	10	23	..	..	13	22	..
Mana Island AWS	100	19.4	14.5	17.0	..	22.5	20	10.6	10	26	8	..	12	22	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	207
Wellington, Kelburn A	125	20.9	14.5	17.7	..	23.8	21	10.2	10	28	11	..	12	22	..
Wellington Aero	4	21.7	15.4	18.6	+0.7	25.6	21	10.7	10	18	7	-34	10	7	..
Wallaceville EWS	56	23.4	13.1	18.3	..	26.9	21	6.8	10	26	4	-38	15	7	176
Stratford EWS	300	21.9	12.9	17.4	..	25.4	6	7.7	10	45	8	..	22	7	184
Hawera AWS	98	21.9	14.1	18.0	..	27.4	7	8.2	10	28	8	..	18	7	..
Ohakune EWS	607	23.0	11.9	17.5	..	26.6	13	6.2	18	2	5	..	1	28	207
Waiouru	806	21.2	10.8	16.0	+1.7	24.9	5	4.3	1	14	7	-46	6	11	..
Waiouru AWS	820	21.1	10.9	16.0	..	25.2	12	4.2	27	11	6	-47	6	4	..
Taihape Rec	433	24.6	12.5	18.6	+2.1	29.1	13	6.5	1	53	7	-4	26	12	..
Flat Hills Wxt AWS	263	23.1	14.4	18.8	..	26.9	5	10.4	20	16	5	..	10	4	..
Wanganui,Spriggins Pa	15	24.4	15.8	20.1	+1.8	29.0	7	12.2	27	19	8	-47	11	4	..
Wanganui AWS	8	23.3	15.4	19.4	+1.1	28.6	22	9.9	17	17	7	..	10	4	..
Wanganui 2 AWS	18	24.5	15.3	19.9	..	29.5	22	11.5	27	..	..	..	..	..	..
Takaka, Kotinga 2	25	25.1	12.5	18.8	+1.7	33.0	6	6.8	17	22	5	-84	13	25	..
Takaka AWS	20	25.1	12.7	18.9	..	33.0	6	7.9	17	20	6	..	13	25	247
Farewell Spit AWS	3	22.8	15.4	19.1	+1.2	25.2	14	10.8	1	25	7	..	8	22	..
Westport Aero AWS	2	20.4	12.9	16.7	+0.1	22.4	19	8.2	1	97	12	-36	25	22	..
Arapito	18	21.5	12.5	17.0	+0.1	25.4	5	7.4	10	89	9	-62	28	5	185
Arapito EWS	18	21.0	11.8	16.4	..	24.4	4	6.7	10	78	11	..	21	3	..
Murchison EWS	185	25.5	11.6	18.6	..	30.0	5	4.0	1	26	12	-49	6	4	..
Lake Rotoiti EWS	634	23.1	9.9	16.5	..	28.8	5	3.8	1	92	17	..	24	26	..
Hokitika Aero	39	19.2	12.0	15.6	-0.4	22.9	5	5.7	10	191	16	+19	46	13	162
Hokitika AWS	38	19.2	11.9	15.6	-0.4	22.8	5	5.6	10	186	16	..	44	13	..
Reefton EWS	198	23.8	11.9	17.9	+0.9	29.3	5	6.7	1	65	10	-37	18	7	170
Greymouth Aero	4	19.8	12.7	16.3	-0.1	25.2	16	7.1	10	125	13	-19	25	7	175
Greymouth Aero EWS	5	19.1	12.3	15.7	..	24.1	16	6.6	10	122	14	..	24	7	196

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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	20.6	11.7	16.2	..	26.1	16	5.7	10	282	15	..	67	6	..
Okarito	2	18.8	11.5	15.2	..	22.5	5	5.4	10	367	..	+116	80	13	..
Franz Josef	155	19.4	9.3	14.4	-1.1	..	..	..	..	756	16	+391	186	6	..
Franz Josef EWS	80	19.1	10.5	14.8	..	24.8	5	4.9	10	492	16	..	117	6	101
Haast AWS	5	18.0	11.3	14.7	-0.4	20.6	5	7.2	10	335	16	..	71	6	..
Milford Sound	3	18.6	10.9	14.8	-0.1	21.7	5	7.1	9	798	20	+294	205	6	..
Milford Sound AWS	3	19.3	10.9	15.1	..	23.3	17	6.9	9	771	20	..	198	6	..
Secretary Island AWS	19	17.4	11.7	14.6	..	21.8	16	8.8	9	336	20	..	66	6	..
Puysegur Point AWS	44	16.7	11.4	14.1	+0.0	22.3	20	7.2	26	228	21	+69	80	6	..
Motueka, Riwaka EWS	8	25.7	11.8	18.8	+1.3	..	..	..	..	..	..	..	..	..	..
Maud Island	15	21.9	15.2	18.6	..	25.2	1	11.2	10	79	..	..	..	..	..
Pelorus Sd, Crail Bay	13	22.5	14.5	18.5	+0.5	26.1	6	10.0	27	109	..	+5	68	7	..
Nelson Aero	2	23.7	14.5	19.1	+1.5	31.0	2	9.7	11	19	7	-35	5	22	266
Appleby 2 EWS	18	24.1	11.3	17.7	..	29.8	2	4.8	17	5	4	..	2	22	264
Nelson AWS	4	24.2	14.6	19.4	+1.4	30.2	2	9.9	17	11	6	..	6	22	..
Blenheim Research EWS	4	24.5	12.6	18.6	+0.8	33.4	6	6.4	27	12	3	-30	5	22	224
Blenheim Aero AWS	35	25.4	11.1	18.3	+0.6	34.1	6	5.1	11	15	4	-30	7	22	..
Brothers Island AWS	68	19.0	14.9	17.0	..	23.1	25	12.4	10	23	5	..	18	7	..
Awatere Valley, Dashw	83	24.3	12.6	18.5	..	34.2	6	4.3	27	19	4	..	12	22	..
Grassmere Salt Works	2	24.0	15.5	19.8	+2.0	34.8	6	9.1	27	22	4	-12	11	22	..
Cape Campbell AWS	2	19.3	14.4	16.9	..	25.9	2	9.4	10	21	5	..	13	22	..
Hanmer Forest EWS	363	24.8	8.5	16.7	+1.0	34.4	5	1.0	27	38	6	-31	19	7	..
Kaikoura AWS	105	21.1	13.3	17.2	+0.7	34.3	2	9.9	10	20	6	-35	10	25	..
Arthurs Pass	738	18.3	9.1	13.7	+0.7	23.8	5	3.9	11	385	11	+145	105	6	..
Arthurs Pass EWS	738	18.1	8.9	13.5	..	23.4	5	3.6	11	342	12	..	91	6	..
Culverden AWS	181	22.8	10.7	16.8	..	32.5	5	3.9	10	25	12	..	13	7	..
Waipara Nth Branch @	560	20.4	10.4	15.4	..	..	..	..	..	..	..	..	..	..	..
Mt Potts AWS	2128	10.4	3.4	6.9	..	16.8	5	-1.8	9	193	15	..	46	6	..
Mt Cook EWS	765	20.6	8.2	14.4	-0.4	28.6	5	3.6	24	557	16	+302	245	6	125
Mueller Hut EWS	1818	15.2	7.1	11.2	..	..	..	..	..	761	19	..	239	6	..
Snowdon EWS	560	20.7	8.5	14.6	..	26.8	4	3.2	27	60	13	..	17	7	..
Hororata, Illana	196	23.1	8.4	15.8	..	..	..	1.0	..	61	..	..	..	..	..
Methven, Three Spring	305	20.9	9.7	15.3	..	33.5	6	5.1	24	73	13	..	17	7	..
Methven Cws	313	21.5	10.3	15.9	..	32.9	6	5.9	27	78	14	..	17	7	..
Winchmore EWS	160	22.3	9.7	16.0	-0.2	34.5	6	4.4	10	53	12	+0	13	7	..
Peel Forest	286	21.3	8.3	14.8	-0.4	34.3	6	3.0	24	134	14	+44	36	6	..
Ashburton Council	101	23.3	10.4	16.9	+0.0	37.0	6	..	..	59	13	+8	12	7	..
Ashburton Aero AWS	89	22.2	10.2	16.2	..	35.9	6	4.7	10	55	12	..	13	21	200
Waipara West EWS	130	23.0	11.1	17.1	..	31.7	6	5.3	27	29	8	..	14	7	210
Rangiora EWS	23	22.3	11.3	16.8	+0.4	35.0	6	4.3	10	25	8	..	15	7	197
Christchurch Aero	37	22.5	11.5	17.0	+0.2	35.9	6	4.7	10	35	11	-6	18	7	198
Christchurch, Kyle St	6	22.6	13.6	18.1	..	37.0	6	8.3	10	37	10	..	24	7	..
Christchurch, New Bri	12	19.4	14.3	16.9	..	31.9	6	11.1	10	..	..	..	..	..	..
Lincoln, Broadfield E	18	21.9	12.0	17.0	+0.4	34.4	6	6.9	15	33	12	..	13	7	..
Sugar Loaf AWS	618	19.4	10.3	14.9	..	32.0	6	6.4	9	..	..	..	..	..	..
Lyttelton Harbour	5	20.9	14.4	17.7	..	33.3	6	11.3	10	29	11	..	13	7	..
Leeston, Harts Creek	12	22.3	11.5	16.9	..	35.6	6	6.8	10	37	10	..	11	21	..
Akaroa EWS	45	23.4	12.7	18.1	..	35.1	6	8.0	27	34	10	..	13	7	230
Le Bons Bay AWS	236	19.7	11.9	15.8	+0.2	30.8	2	7.9	10	30	11	..	14	7	..
Lake Tekapo, Air Safa	762	20.9	8.4	14.7	-0.4	32.4	6	3.8	24	59	11	+24	22	6	..
Lake Tekapo EWS	762	21.4	8.6	15.0	..	32.7	6	3.5	24	56	10	..	31	6	181
Fairlie AWS	403	19.9	9.6	14.8	..	33.4	6	4.5	24	88	18	..	39	6	..
Pukaki Aerodrome AWS	473	22.6	8.3	15.5	..	34.2	6	2.3	27	93	12	..	51	6	..
Hakataramea Valley Cw	355	21.2	8.6	14.9	..	35.2	6	3.5	1	105	11	..	71	6	..
Orari Estate	81	21.9	9.7	15.8	-0.1	37.0	6	4.8	24	71	11	+7	27	6	..
Orari Estate Cws	81	21.2	9.9	15.6	..	36.0	6	5.4	24	72	12	..	26	6	..
Timaru Aero AWS	26	21.4	9.1	15.3	-0.2	40.3	6	3.6	10	76	13	+31	27	6	..
Timaru EWS	17	23.4	12.4	17.9	..	41.3	6	6.0	24	70	13	..	24	6	..
Waimate Cws	55	20.8	10.4	15.6	..	38.4	6	5.8	10	92	11	..	52	6	..
Oamaru Airport AWS	30	19.5	9.8	14.7	..	35.8	6	5.0	1	98	14	..	41	6	..
Albert Burn	1280	14.1	5.7	9.9	..	20.4	16	-0.1	9	293	18	..	105	6	..
Eglinton, Knobs Flat	365	19.2	8.5	13.9	..	25.2	17	4.4	9	231	17	..	83	6	..
Tara Hills AWS	488	21.9	9.0	15.5	-0.5	32.6	6	3.2	1	71	10	+37	40	6	..

Summary of the records of Temperature, Rainfall and Sunshine February 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		
Wanaka Aero AWS	352	22.2	10.7	16.5	..	29.8	6	6.9	27	66	10	..	29	6	..
Naseby Forest 2	607	20.4	7.1	13.8	-0.2	31.7	6	2.6	1	130	10	+76	66	6	..
Windsor EWS	81	20.8	9.2	15.0	..	35.9	6	4.3	1	106	12	..	48	6	..
Ranfurlly EWS	450	21.5	7.8	14.7	..	33.5	6	1.8	3	106	12	..	53	6	..
Oamaru AWS	40	20.1	10.1	15.1	..	36.4	6	6.6	27	132	18	..	57	6	..
Rock And Pillar	270	20.3	8.1	14.2	..	..	..	..	..	..	..	..	..	..	..
Palmerston	21	19.9	8.6	14.3	-0.5	35.1	6	2.5	1	88	17	+39	35	6	119
Middlemarch EWS	213	21.3	8.3	14.8	..	35.2	6	2.0	3	102	16	..	44	6	112
Swampy Summit AWS	722	15.4	6.4	10.9	..	..	..	2.3	9	..	..	..	..	..	..
Dunedin Aero AWS	1	20.1	9.4	14.8	+0.0	32.4	6	4.8	17	106	18	+47	54	6	..
Dunedin, Musselburgh	4	19.0	11.4	15.2	+0.0	34.4	6	7.8	9	109	13	+47	50	6	133
Murchison Mtns EWS	1140	13.2	5.4	9.3	..	19.6	16	0.9	9	312	20	..	82	6	..
Takahe Valley Cws	895	15.4	6.0	10.7	..	22.3	17	0.3	9	209	17	..	67	6	..
Manapouri, West Arm J	178	18.6	9.7	14.2	..	24.8	17	5.3	9	305	17	..	69	6	..
Manapouri Aero AWS	209	20.1	8.9	14.5	..	25.9	17	3.0	3	88	12	..	35	6	..
Birchwood Wxt AWS	147	19.2	9.2	14.2	..	..	..	..	..	..	..	..	..	..	..
Queenstown	329	22.3	10.9	16.6	+0.0	28.0	6	7.3	9	81	12	+23	33	6	174
Queenstown Aero AWS	354	21.3	9.7	15.5	+0.1	..	..	4.7	3	71	10	+23	30	6	..
Lumsden AWS	187	20.3	8.8	14.6	+0.2	30.3	6	1.5	3	115	14	..	57	6	..
Cromwell EWS	213	24.0	11.2	17.6	..	32.2	6	5.5	24	73	8	..	52	6	191
Lauder EWS	375	22.0	9.4	15.7	..	33.3	6	3.1	3	84	11	..	44	6	..
Ophir 2	305	22.3	8.4	15.4	..	32.3	6	1.5	3	109	12	..	63	6	..
Alexandra	150	24.4	10.3	17.4	..	35.7	6	5.1	3	84	12	..	52	6	171
Clyde EWS	171	23.0	9.7	16.4	-0.3	34.2	6	4.5	1	81	11	..	55	6	..
Alexandra Cws	140	23.5	10.8	17.2	..	34.7	6	5.4	3	99	12	..	68	6	..
Roxburgh Wxt AWS	160	20.8	10.2	15.5	..	32.5	6	5.5	1	102	16	..	59	6	..
Ettrick No.2	91	21.5	9.3	15.4	-0.2	33.5	6	3.0	1	103	11	..	51	6	..
Tapanui	180	20.2	8.9	14.6	+0.2	30.1	6	4.4	26	116	..	+38	64	6	..
Waitutu Cws	30	18.9	8.6	13.8	..	26.1	5	2.9	26	170	18	..	57	6	..
Winton	44	19.5	8.9	14.2	-0.1	26.4	6	4.3	26	40	13	-31	14	1	142
Gore AWS	123	18.6	9.4	14.0	-0.2	27.1	6	4.9	3	115	12	+36	64	6	..
Invercargill Aero		18.0	9.6	13.8	-0.1	25.0	20	3.2	26	100	13	+19	54	6	151
Invercargill Aero AWS	1	18.4	9.5	14.0	..	25.5	20	3.5	26	101	14	..	52	6	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	90	15	..	51	6	133
Tiwai Point EWS	5	17.7	11.3	14.5	+0.0	25.6	20	6.5	26	94	13	+18	42	6	..
Balclutha, Telford Ew	11	18.4	9.6	14.0	..	24.7	20	4.6	26	96	12	..	73	6	137
Nugget Point AWS	129	17.4	10.0	13.7	-0.3	24.0	5	7.0	9	91	17	..	63	6	..
Tautuku	25	18.6	9.5	14.1	+0.2	27.0	5	4.5	26	161	11	+57	56	6	..
South West Cape AWS	101	15.8	10.3	13.1	..	24.5	20	7.1	9	110	15	..	26	6	..
Solomon, Taro Is	3	31.7	24.4	28.1	..	..	..	..	..	201	18	..	43	23	..
Solomon, Munda	6	31.3	24.5	27.9	..	..	..	23.3	14	182	23	..	28	23	..
Solomon, Auki	11	31.1	23.8	27.5	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.5	23.6	27.6	..	..	..	..	..	173	16	..	39	21	..
Solomon, Henderson	9	31.0	22.8	26.9	..	33.6	17	..	..	234	15	..	45	21	..
Solomon, Santa Cruz	24	30.3	24.1	27.2	..	..	..	22.6	26	615	25	..	133	20	..
Vanuatu,Sola	13	31.9	24.1	28.0	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	30.9	23.5	27.2	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	..	24.6	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	..	22.9	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	30.9	17.6	24.3	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	30.7	23.4	27.1	..	..	..	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	30.3	23.6	27.0	..	32.4	28	18.7	23	..	..	..	..	..	..
New Cal, Poinimie	13	30.1	..	..	..	32.8	21	..	..	..	..	..	..	..	..
New Cal, La Roche	42	29.6	24.6	27.1	..	..	..	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	31.5	22.5	27.0	..	35.4	2	..	..	..	..	..	..	..	..
New Cal, Nouma	72	29.8	24.3	27.1	..	33.0	2	21.5	24	104	16	..	39	12	..
New Cal, Moue	97	29.0	24.3	26.7	..	31.2	28	22.3	23	100	23	..	15	18	..
Kiribati,Tarawa	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	30.7	25.9	28.3	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.4	26.7	29.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	30.7	25.6	28.2	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	30.6	24.6	27.6	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	30.0	24.9	27.5	..	31.5	24	23.1	3	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine February 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		
Fiji,Nadi Aero	15	30.4	22.7	26.6	..	32.7	5	20.6	5	..	..	..	..	..
Fiji,Nausori Aero	6	30.3	22.8	26.6	..	32.5	26	21.4	2	..	..	..	..	..
Fiji, Vunisea	33	30.1	23.9	27.0	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	29.5	23.9	26.7	..	30.8	27	22.0	18	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.4	24.3	26.9	..	30.8	13	22.4	11	432	24	..	60	7	
Samoa,Faleolo	4	29.9	22.6	26.3	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.3	22.8	26.1	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.5	24.2	26.9	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	28.9	22.5	25.7	..	..	..	20.1	5	..	..	..	..	..
Salote Pilolevu Airpo	2	29.3	24.5	26.9	..	..	..	20.1	1	..	..	..	..	..
Tonga,Fuaamotu Aero	38	30.0	23.6	26.8	..	..	..	19.6	18	..	..	..	..	..
Niue, Hanan Airport	59	29.6	23.8	26.7	..	31.7	21	20.7	11	..	..	..	..	..
CI Rarotonga Aero	7	29.2	23.7	26.5	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	29.1	23.6	26.4	..	30.3	24	21.8	5	239	23	..	38	5	
Hiva Hoa, Atuona	51	30.4	22.8	26.6	..	32.9	22	21.5	2	..	..	..	..	..
Tahiti - Faaa	1	30.6	23.6	27.1	..	31.9	19	21.9	8	84	13	..	23	7	
Tuamotu, Takaraoa	2	29.7	25.0	27.4	..	30.9	4	21.4	22	112	18	..	71	21	
Tuamotu, Hao	3	28.9	24.3	26.6	..	30.0	26	22.0	6	..	..	..	..	..
Gambier, Rikitea	91	28.7	23.0	25.9	..	..	..	21.0	5	77	17	..	22	26
Tubuai	2	28.9	23.3	26.1	..	..	..	20.6	1	95	20	..	27	22
Rapa	1	27.9	23.0	25.5	..	29.4	12	19.9	14	83	17	..	32	13	
Pitcairn Is	264	27.7	21.8	24.8	..	28.9	28	21.2	23	10	4	..	7	16	
Pitcairn Island AWS	264	27.5	21.8	24.7	..	..	..	..	..	..	..	..	..	..
Raoul Island AWS	49	27.3	21.5	24.4	..	29.7	8	17.7	28	112	13	..	36	20	
Enderby Is AWS	40	12.2	8.1	10.2	..	13.9	5	5.3	9	79	20	..	15	1	
Campbell Island AWS	19	11.5	7.2	9.4	-0.2	14.1	20	-0.8	11	103	23	-3	16	5	
Chatham Islands AWS	48	17.8	12.4	15.1	-0.1	19.9	8	6.1	12	23	7	-36	14	3	
Chatham Island EWS	14	18.6	12.9	15.8	..	21.4	23	8.2	11	22	4	..	12	3	
Georg Von Neumayer	40	-3.4	-9.3	-6.4	..	0.0	1	-21.4	25	..	..	..	..	..
Ant South Pole	2827	-34.1	-39.3	-36.7	..	-25.8	5	-50.4	28	..	..	..	..	..
Halley Bay	30	-4.6	-11.7	-8.2	..	0.0	2	-21.5	24	..	..	..	..	..
Gen Belgrano 2	32	-1.2	-7.8	-4.5	..	4.6	2	-14.5	25	..	..	..	..	..
Base Jubany	4	4.7	1.2	3.0	..	8.2	28	-1.2	7	..	..	..	..	..
Dinamet	10	4.1	1.0	2.6	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	2.5	-3.1	-0.3	..	9.3	22	-5.0	22	..	..	..	..	..
Eduardo Frei	10	3.3	0.7	2.0	..	5.8	14	-1.0	8	..	..	..	..	..
Arturo Prat		4.1	1.1	2.6	..	7.2	21	-1.1	8	..	..	..	..	..
Bernado Ohiggins	10	2.2	-0.1	1.1	..	4.9	21	-3.0	3	..	..	..	..	..
Palmer Station	8	4.3	0.8	2.6	..	7.2	28	-0.3	2	..	..	..	..	..
Rothera Point	16	3.3	0.0	1.7	..	4.4	3	-1.9	6	..	..	..	..	..
Argentine Is, Faraday	11	3.5	0.2	1.9	..	6.2	2	-0.8	2	..	..	..	..	..
Gen San Martin	4	5.0	-0.8	2.1	..	10.6	28	-4.3	14	..	..	..	..	..
King Sejong	11	3.8	1.4	2.6	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaia	99	-1.7	-6.7	-4.2	..	..	..	-49.8	25	..	..	..	..	..
Mawson	16	-2.5	-8.9	-5.7	..	1.9	2	..	..	..	..	..	..	..
Davis	13	-2.2	-6.7	-4.5	..	2.2	5	..	..	..	..	..	..	..
Progress	64	-3.0	-6.7	-4.9	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-36.5	-46.4	-41.5	..	..	..	-56.7	18	..	..	..	..	..
Casey	41	-1.6	-5.9	-3.8	..	3.4	1	..	..	..	..	..	..	..
Wilkins Runway East	755	-5.8	-13.2	-9.5	..	0.7	1	-21.8	25	..	..	..	..	..
Durmont Durville	43	-2.5	-7.9	-5.2	..	1.2	7	-12.8	16	..	..	..	..	..
Mcmurdo	24	-5.8	-11.7	-8.8	..	-1.2	5	-17.3	26	..	..	..	..	..
Ant Scott Base	16	-7.7	-15.4	-11.6	..	-2.1	5	-24.0	27	..	..	..	..	..
Ant Arrival Heights E	185	-6.9	-13.2	-10.1	..	-1.9	20	-19.5	26	..	..	..	..	..
Ant Scott Base EWS	16	-6.7	-13.9	-10.3	..	-1.2	5	-22.3	27	..	..	..	..	..
Darwin Airport	31	30.8	21.1	26.0	..	33.1	3	17.5	28	1070	25	..	340	15	
Hobart Airport	4	28.0	11.7	19.9	..	30.2	14	5.4	21	37	12	..	15	1	

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 January 2011															
Tiri Tiri Lighthouse	76	22.5	18.0	20.3	+1.1	24.6	12	16.1	22	303	9	+237	178	28	..
Tarapounamu EWS	701	19.4	10.9	15.2	..	26.9	17	6.3	13	436	15	..	154	23	..
Taupo AWS	400	23.6	12.6	18.1	+0.7	28.4	4	8.0	14	279	8	..	114	23	..
Motu EWS	488	21.1	11.8	16.5	..	28.2	27	5.6	30	416	18	..	103	28	..
Auckland, Mangere EWS	5	24.5	16.9	20.7	..	27.5	7	14.3	17	235	8	..	91	22	206
Turangi 2 EWS	350	23.0	10.3	16.7	..	29.2	17	3.8	9	241	11	..	124	23	258
Dannevirke	207	23.2	12.7	18.0	+0.7	31.5	18	5.0	14	146	10	+75	89	23	201
Dannevirke EWS	207	23.0	13.0	18.0	..	31.5	18	5.6	14	139	11	..	84	23	198
Whakatu EWS	5	23.5	13.4	18.5	..	31.4	16	6.3	14	..	..	..	..	..	..
Waipawa EWS	130	23.5	12.0	17.8	..	31.2	3	4.5	14	160	10	..	71	23	234
Ohakune EWS	607	22.3	10.3	16.3	..	29.5	17	3.9	12	183	9	..	125	23	282
Takaka EWS	20	23.4	12.2	17.8	..	29.7	3	9.0	26	111	6	..	59	18	255
Reefton EWS	198	24.0	11.8	17.9	+1.1	28.6	24	6.4	9	137	8	-22	84	18	215
Appleby 2 EWS	18	22.7	10.9	16.8	..	29.0	27	5.9	22	35	6	..	27	18	284
Boyle River Lodge	600	22.1	8.6	15.4	..	28.5	14	..	..	132	23	..	75	18	..
Rangiora EWS	23	22.3	12.2	17.3	+0.6	32.6	16	6.1	10	50	12	..	26	18	194
Winton	44	20.3	9.8	15.1	+0.6	27.0	17	6.8	30	82	10	-20	21	26	179
Balclutha, Finegand	6	19.7	10.6	15.2	+0.2	25.8	17	6.6	9	110	16	+39	23	18	154
Late returns and corrections for December 2010															
Auckland, Mangere EWS	5	23.0	16.9	20.0	..	27.3	22	13.2	1	113	13	..	36	19	169
Lower Retaruke	219	23.4	12.8	18.1	+2.1	28.9	1	5.5	9	193	15	+64	46	19	..
Late returns and corrections for November 2010															
Lower Retaruke	219	22.1	8.0	15.1	+1.1	29.0	28	-0.1	7	32	7	-104	10	4	..
Late returns and corrections for October 2010															
Reefton EWS	198	18.1	5.0	11.6	+0.2	26.2	14	-1.8	12	103	10	-104	23	17	219
Late returns and corrections for September 2010															
Reefton EWS	198	13.0	4.2	8.6	-0.7	18.7	8	-1.1	4	352	28	+175	32	5	82

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.