

NOVEMBER 2009

Summary of the records of Temperature, Rainfall and Sunshine November 2009

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	17.4	12.7	15.1	..	20.5	30	10.4	2	22	14	-40	9	16	..
Kaitaia Aero EWS	80	19.3	12.4	15.9	..	23.2	30	8.7	4	26	6	..	20	15	..
Kaitaia Observatory	85	19.5	12.1	15.8	..	23.6	27	7.8	4	15	11	-86	9	15	158
Kaitaia EWS	85	17.9	10.9	14.4	-1.5	21.9	27	6.6	4	14	9	..	8	15	160
Kerikeri EWS	79	22.1	11.2	16.7	+0.8	26.4	30	7.1	1	9	4	-126	5	15	..
Kerikeri Aerodrome Aw	150	21.6	10.8	16.2	..	26.6	27	6.3	14	8	8	..	3	15	..
Kaikohe AWS	204	20.3	12.5	16.4	+1.4	..	..	..	..	12	11	-92	5	15	..
Trounson Cws	220	17.1	10.8	14.0	..	21.8	28	5.4	7	15	15	..	5	15	..
Dargaville 2 EWS	66	18.0	12.1	15.1	..	22.0	30	8.8	4	19	10	..	5	5	137
Purerua AWS	82	20.7	11.8	16.3	..	24.6	24	9.1	11	13	6	..	5	5	..
Whangarei Aero AWS	37	20.8	12.7	16.8	+0.4	25.9	30	8.3	13	6	5	-83	4	10	..
Mokohinau AWS	60	18.7	13.9	16.3	..	21.4	29	11.7	2	5	4	-57	3	9	..
Warkworth EWS	72	18.8	11.6	15.2	..	22.0	28	4.4	7	25	13	-72	6	18	..
Whangaparaoa AWS	89	19.5	12.2	15.9	..	22.4	24	9.7	11	13	12	..	3	18	..
Tiri Tiri Lighthouse	76	18.4	13.3	15.9	+0.1	21.3	28	11.4	2	13	13	-53	6	18	..
Kumeu Ews, Auckland R	16	18.4	11.4	14.9	..	21.3	30	3.8	7	20	7	..	6	5	..
Whenuapai AWS	26	18.9	12.0	15.5	..	22.0	21	5.5	7	..	..	..	..	..	..
North Shore, Auckland	20	18.0	10.3	14.2	..	21.7	24	6.3	7	..	..	..	..	..	..
Henderson, River Pk	7	20.3	12.2	16.3	+0.1	23.4	24	5.6	7	32	22	-76	9	5	..
Henderson, Auckland R	35	19.3	13.5	16.4	..	22.7	24	7.7	7	..	..	..	..	..	..
Lincoln Rd, Auckland	25	20.9	10.3	15.6	..	24.1	24	4.9	7	..	..	..	..	..	..
Khyber Pass, Auckland	81	18.6	12.5	15.6	..	22.3	23	9.3	7	19	14	..	6	5	..
Musick Pt Ews, Auckla	18	19.0	11.6	15.3	..	..	..	..	..	..	..	..	..	..	..
Onehunga, Auckland Re	5	18.7	13.8	16.3	+0.1	21.5	30	10.7	12	..	..	..	..	..	..
Whitianga Aero AWS	5	20.5	12.5	16.5	+0.7	25.1	24	5.8	7	24	10	-93	7	18	..
Thames 2	3	20.3	11.7	16.0	-0.3	24.0	29	4.6	7	21	10	-56	13	5	181
Paeroa AWS	18	20.4	10.6	15.5	-0.5	..	..	..	..	20	8	-69	10	5	..
Toenepi EWS	48	19.4	10.0	14.7	..	24.4	24	4.0	7	32	11	..	13	5	..
Matamata, Hinuera EWS	106	19.8	8.7	14.3	..	25.4	24	3.1	7	33	8	..	9	28	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	241
Tauranga Aero AWS	4	21.3	11.7	16.5	+0.9	28.6	24	6.3	14	12	7	-72	3	30	..
Te Puke EWS	91	21.0	9.3	15.2	..	..	..	..	..	..	..	..	..	..	..
Whakatane Aero AWS	7	21.2	10.6	15.9	+0.3	32.1	24	4.8	12	12	6	-76	6	18	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	272
White Island	310	17.1	10.9	14.0	..	..	..	..	..	..	..	..	..	..	..
Kawerau AWS	42	23.3	10.2	16.8	..	..	..	..	..	..	..	..	..	..	240
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	226
Rotorua Aero AWS	283	19.1	8.7	13.9	-0.1	27.3	24	1.9	12	22	7	-81	7	17	..
Galatea AWS	174	20.8	8.5	14.7	..	..	..	..	..	..	..	..	..	..	..
Tarapounamu EWS	701	15.9	5.7	10.8	..	24.8	24	0.8	12	58	13	..	20	18	..
Taupo AWS	400	18.3	7.3	12.8	-0.6	23.1	24	-1.3	12	22	10	..	7	18	..
Opotiki	5	20.2	10.0	15.1	-0.2	26.1	26	3.5	10	12	9	-86	7	18	..
Motu EWS	488	18.1	7.2	12.7	..	28.4	24	0.5	12	61	11	..	38	18	..
Mangere EWS	5	18.2	12.6	15.4	..	20.8	21	8.9	13	20	14	..	11	5	145
Wiri, Auckland Region	18	18.1	13.1	15.6	-0.1	21.1	30	8.5	7	..	..	..	..	..	..
Pakuranga, Auckland R	15	19.9	11.6	15.8	..	30.5	16	5.1	7	..	..	..	..	..	..
Penrose Ews, Auckland	30	20.2	12.4	16.3	..	30.1	10	8.4	12	..	..	..	..	..	..
Auckland Aero	33	18.9	13.2	16.1	-0.1	21.7	30	8.9	13	22	13	-57	13	5	..
Ardmore	23	20.7	9.0	14.9	-0.4	24.1	23	2.1	2	33	12	-60	20	5	..
Pukekohe EWS	88	17.8	10.4	14.1	-1.1	20.9	23	4.3	7	51	14	..	27	5	..
Whatawhata 2 EWS	118	17.5	10.7	14.1	..	21.3	23	3.0	12	119	20	..	21	21	..
Hamilton, Ruakura 2 E	45	18.6	9.3	14.0	..	23.4	24	3.1	7	41	11	..	8	28	169
Hamilton AWS	53	19.2	9.5	14.4	-0.3	23.8	24	3.6	7	53	11	-43	13	18	..
Lake Karapiro Cws	55	18.7	10.1	14.4	..	23.6	24	5.6	12	22	11	..	6	18	..
Port Taharoa AWS	27	17.9	12.0	15.0	-0.7	19.4	18	6.2	12	83	18	..	21	30	..
Waikeria	46	19.5	8.3	13.9	-1.0	..	..	..	..	40	7	-54	15	18	..
Te Kuiti EWS	62	19.0	8.7	13.9	..	23.6	23	1.9	12	71	8	..	19	30	181
Pureora Forest Cws	549	15.9	6.5	11.2	..	21.8	24	-0.3	1	35	12	..	13	30	..
Taumarunui	171	19.0	8.3	13.7	-1.0	25.1	24	2.6	10	76	17	-52	20	18	..
Taumarunui AWS	195	19.3	8.0	13.7	..	25.9	24	0.9	10	74	17	..	21	30	178
Turangi 2 EWS	350	19.5	6.5	13.0	..	26.8	24	-1.7	12	80	10	..	27	17	225
New Plymouth Aero	27	192
New Plymouth AWS	30	17.7	10.2	14.0	-0.3	22.5	24	2.1	12	126	13	+14	53	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		
Lower Retaruke	219	19.3	7.2	13.3	-0.7	25.2	24	84	13	-52	21	17	..
Mt Ruapehu, Chateau E	1097	14.3	2.5	8.4	+0.0	20.8	24	-2.8	12	181	12	-66	58	30	..
Alfredton EWS	240	17.3	8.8	13.1	..	21.7	24	-1.8	12	118	16	..	38	17	..
Masterton Aero AWS	138	19.7	7.0	13.4	..	24.4	25	-1.0	12	86	12	..	28	17	..
Masterton, Te Ore Ore	110	20.6	6.8	13.7	..	..	..	..	..	..	..	..	..	..	..
Kopua	311	18.4	8.3	13.4	+0.2	24.8	24	0.2	12	64	8	-14	29	30	..
Takapau Plains AWS	330	18.0	7.6	12.8	..	24.4	24	0.7	12	66	12	..	28	30	..
Dannevirke	207	18.2	7.8	13.0	-0.6	23.0	24	-0.3	12	108	12	+19	38	30	224
Dannevirke EWS	207	18.1	8.7	13.4	..	23.3	24	0.1	12	107	13	..	39	30	215
Waione EWS	48	19.8	9.4	14.6	..	24.1	24	-0.7	12	81	14	..	28	17	..
Cape Turnagain AWS	292	15.0	9.3	12.2	..	19.8	21	5.0	14	..	..	..	..	..	..
Castlepoint Station	9	18.5	10.5	14.5	..	22.0	21	5.7	12	80	7	+14	28	17	..
Castlepoint AWS	120	16.9	10.4	13.7	-0.9	20.6	29	5.5	14	78	8	..	27	17	..
Baring Head	79	15.8	10.1	13.0	..	19.5	25	3.7	12	63	8	..	33	17	..
Te Wharau, Brackenfie	292	17.5	6.4	12.0	..	22.5	24	0.5	14	91	10	..	39	18	..
Martinborough EWS	20	19.3	8.2	13.8	..	24.2	25	0.0	12	67	10	..	22	30	214
Ngawi AWS	6	18.3	11.0	14.7	..	23.1	23	7.1	14	40	9	..	17	17	..
Hicks Bay AWS	46	19.1	12.0	15.6	+0.2	23.9	26	8.7	7	14	7	..	4	18	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	260
Gisborne AWS	5	21.8	10.8	16.3	+0.5	28.4	29	4.0	12	13	7	-50	6	18	..
Napier Aero AWS	3	21.0	9.7	15.4	+0.1	29.9	29	2.6	12	16	7	-44	8	18	..
Napier Nelson Pk	2	21.6	10.5	16.1	+0.0	30.0	29	2.8	12	17	7	-40	7	18	230
Hastings AWS	16	21.8	9.7	15.8	..	30.2	29	2.5	12	15	6	..	7	18	..
Whakatu EWS	5	20.8	8.3	14.6	..	29.4	29	1.2	12	15	4	..	7	18	..
Waipawa EWS	130	19.9	7.1	13.5	..	26.8	24	0.7	12	29	7	..	13	18	230
Wairoa, North Clyde E	15	22.1	10.1	16.1	+0.3	29.8	29	3.9	12	23	9	-56	10	18	..
Mahia AWS	136	18.9	11.0	15.0	+0.1	25.8	29	6.2	12	11	9	..	4	18	..
Paraparamu Aero	5	17.1	10.4	13.8	-0.1	20.1	26	1.5	12	106	12	+24	35	17	181
Paraparamu Aero AWS	5	16.7	10.3	13.5	-0.4	19.6	26	1.5	12	101	11	..	32	30	203
Ohakea AWS	50	17.5	10.3	13.9	..	21.8	21	2.0	12	..	..	..	..	..	..
Palmerston North AWS	39	17.8	9.2	13.5	-0.5	21.6	21	0.3	12	122	16	+50	35	30	..
Palmerston North EWS	21	17.2	9.4	13.3	..	20.4	21	0.7	12	131	15	..	35	30	130
Levin AWS	14	16.8	10.1	13.5	-0.6	19.3	6	1.9	12	143	17	..	39	17	..
Mana Island	2	17.5	10.7	14.1	-0.1	..	..	..	..	66	11	..	26	17	..
Mana Island AWS	100	14.7	10.4	12.6	..	..	..	5.0	12	..	..	..	..	..	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	203
Wellington, Kelburn A	125	16.4	10.1	13.3	..	20.5	24	4.5	1	71	13	..	29	17	..
Wellington Aero	4	17.3	11.0	14.2	-0.2	21.3	26	5.3	12	55	9	-24	22	17	..
Wallaceville EWS	56	17.8	8.1	13.0	..	23.8	24	-0.9	12	87	11	-16	23	17	166
Stratford EWS	300	16.9	7.7	12.3	..	22.7	24	1.5	12	92	10	..	51	17	183
Hawera AWS	98	16.7	9.6	13.2	..	20.6	21	0.7	12	90	13	..	41	30	..
Ohakune EWS	607	16.9	6.0	11.5	..	22.9	24	-0.9	10	89	11	..	34	30	201
Waiouru	806	15.7	4.4	10.1	-0.2	21.1	24	-4.8	10	53	14	-29	26	30	..
Waiouru AWS	820	15.3	4.5	9.9	..	..	..	-3.2	12	..	..	..	..	..	..
Taihape Rec	433	19.1	6.7	12.9	-0.1	28.0	28	-1.5	12	57	13	-13	31	30	..
Wanganui, Spriggens Pa	15	18.3	10.8	14.6	-0.3	22.7	21	3.7	12	69	8	-5	31	30	..
Wanganui AWS	8	17.7	10.6	14.2	-0.5	21.6	21	3.9	12	74	10	..	30	30	..
Wanganui 2 AWS	18	18.5	10.3	14.4	..	..	..	..	..	..	..	..	..	..	..
Takaka, Kotinga 2	25	20.9	8.1	14.5	+0.7	27.0	21	3.5	13	102	12	-76	36	30	..
Takaka EWS	20	20.9	8.5	14.7	..	27.1	21	3.7	13	99	9	..	34	30	236
Farewell Spit AWS	3	18.8	11.1	15.0	+0.6	24.4	24	7.0	14	111	8	..	47	30	..
Westport Aero AWS	2	16.2	9.0	12.6	-0.6	18.6	24	6.1	12	136	25	-40	33	27	..
Arapito	18	16.5	9.4	13.0	-0.5	20.4	23	5.6	7	186	19	-39	41	21	156
Arapito EWS	18	16.1	8.8	12.5	..	20.1	23	4.9	7	182	21	..	39	21	..
Murchison EWS	185	19.9	7.4	13.7	..	24.6	18	3.0	7	62	14	-77	19	27	..
Lake Rotoiti EWS	634	18.1	5.6	11.9	..	23.0	3	-0.4	7	55	17	..	15	30	..
Hokitika Aero	39	15.1	9.0	12.1	-0.6	16.4	24	4.8	6	194	21	-46	48	27	154
Hokitika AWS	38	15.0	8.9	12.0	-0.6	16.5	24	4.7	6	188	21	..	45	27	..
Reefton EWS	198	18.5	8.2	13.4	+0.1	23.7	28	3.6	12	69	13	-106	19	27	155
Blackball	35	16.9	7.9	12.4	..	..	..	3.2	..	278	..	..	..	..	..
Greymouth Aero	4	15.5	8.9	12.2	-0.9	16.8	11	5.0	17	227	22	+27	61	27	..
Greymouth Aero EWS	5	15.3	9.8	12.6	..	17.0	11	5.9	17	235	22	..	64	27	158
Pigeon Creek Cws	105	15.2	8.7	12.0	..	20.5	18	5.0	17	275	22	..	70	27	..

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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		
Mahanga EWS	1995	7.3	-1.0	3.2	..	16.1	3	-5.9	17	161	18	..	34	30	..
Okarito	2	15.3	8.4	11.9	..	17.1	30	3.1	17	182	21	-73	30	27	..
Franz Josef	155	16.0	7.1	11.6	-0.3	19.6	18	3.4	17	295	..	-165	63	14	..
Franz Josef EWS	80	15.3	7.4	11.4	..	18.2	18	1.7	18	241	20	..	62	14	91
Haast AWS	5	14.5	7.2	10.9	-1.0	17.8	11	2.8	17	266	23	..	38	3	..
Milford Sound	3	15.0	6.8	10.9	-0.8	20.5	9	2.5	18	554	22	+33	122	14	..
Milford Sound AWS	3	16.0	6.8	11.4	..	22.3	9	2.0	18	568	21	..	118	14	..
Secretary Island AWS	19	13.5	7.8	10.7	..	16.9	30	4.7	16	418	27	..	71	27	..
Puysegur Point AWS	44	13.0	8.0	10.5	-0.7	19.6	22	4.6	16	230	26	+58	36	27	..
Motueka, Riwaka EWS	8	20.8	8.5	14.7	+0.5	26.2	25	2.6	12	67	7	-39	19	30	..
Maud Island	15	17.9	9.5	13.7	..	23.8	24	4.6	4	138	..	..	66	30	..
Pelorus Sd, Crail Bay	13	19.1	10.6	14.9	+0.5	24.4	26	4.8	12	99	..	-70	25	17	..
Nelson Aero	2	20.0	10.3	15.2	+1.0	26.6	24	5.3	12	39	8	-41	13	17	245
Appleby 2 EWS	18	21.2	9.4	15.3	..	26.3	24	3.6	12	42	9	..	10	17	248
Nelson AWS	4	20.3	10.6	15.5	+1.0	25.7	24	4.8	12	32	12	..	11	17	..
Blenheim Research EWS	4	20.3	9.4	14.9	+0.3	27.3	20	3.1	12	32	6	-18	15	17	220
Wairau Valley, Mill R	172	20.3	8.3	14.3	..	26.8	24	1.0	12	47	11	..	15	17	..
Blenheim Aero AWS	35	20.4	8.3	14.4	+0.2	27.7	20	0.9	12	42	6	-14	19	17	..
Brothers Island AWS	68	16.4	11.2	13.8	..	20.6	25	8.5	12	78	9	..	30	17	..
Awatere Valley, Dashw	83	19.6	8.3	14.0	..	24.8	20	1.2	12	35	7	..	14	17	..
Cape Campbell AWS	2	16.0	10.8	13.4	..	20.2	25	7.6	10	27	5	..	10	17	..
Boyle River Lodge	600	17.7	4.1	10.9	..	22.9	4	..	..	71	..	..	..	..	..
Hanmer Forest EWS	363	19.3	3.8	11.6	-0.4	24.0	1	-2.7	12	34	9	-62	13	30	..
Kaikoura AWS	105	16.8	9.1	13.0	-0.2	27.5	23	5.3	14	38	10	-25	13	30	..
Arthurs Pass	738	13.1	4.8	9.0	-0.2	17.5	28	-0.2	18	203	16	-219	36	27	..
Arthurs Pass EWS	738	12.8	4.6	8.7	..	17.0	28	-0.6	18	191	16	..	34	4	..
Culverden	178	21.1	5.7	13.4	..	..	..	..	..	13	6	-39	4	28	..
Culverden AWS	181	18.8	6.8	12.8	..	..	..	..	..	..	..	..	..	..	..
Waiau School Cws	136	20.1	7.5	13.8	..	25.6	24	0.5	10	35	8	..	11	10	..
Cheviot EWS	75	19.0	6.7	12.9	..	25.9	23	0.9	14	28	9	..	10	30	212
Mt Potts EWS	2128	7.1	-1.1	3.0	..	14.9	1	-7.4	16	..	..	..	..	..	..
Mt Cook EWS	765	17.6	5.5	11.6	+0.8	23.5	1	0.1	16	137	16	-245	37	14	176
Snowdon EWS	560	17.3	5.5	11.4	..	24.2	1	-0.9	12	21	7	..	8	10	..
Methven Cws	313	18.2	6.9	12.6	..	28.3	21	1.0	17	20	11	..	6	29	..
Winchmore EWS	160	19.3	5.9	12.6	-0.1	..	..	..	..	20	9	-34	6	29	..
Peel Forest	286	19.4	5.3	12.4	+0.5	30.3	23	-1.0	17	49	14	-38	11	27	..
Ashburton Council	101	20.2	6.9	13.6	+0.0	30.2	21	1.5	14	23	14	-32	6	30	..
Ashburton Aero AWS	89	19.1	6.3	12.7	..	29.9	21	-0.4	14	19	13	..	7	30	210
Waipara West EWS	130	19.1	7.3	13.2	..	26.3	25	1.9	17	29	9	..	12	30	234
Rangiora EWS	23	18.9	7.0	13.0	-0.2	29.0	21	1.2	14	26	5	..	17	30	201
Darfield EWS	190	19.2	7.0	13.1	..	29.2	21	1.3	29	14	10	..	5	30	..
Christchurch Aero	37	18.7	6.8	12.8	-0.7	29.3	21	-0.7	17	25	11	-21	8	30	215
Christchurch Gardens	7	18.7	7.7	13.2	-0.8	29.1	21	2.0	23	18	8	-26	6	30	..
Christchurch, Kyle St	6	19.7	8.9	14.3	..	30.8	21	2.8	12	14	9	..	6	27	..
New Brighton Pier AWS	12	16.6	9.9	13.3	..	..	..	..	..	..	..	..	..	..	..
Lincoln, Broadfield E	18	18.6	7.3	13.0	-0.2	29.3	21	0.5	17	10	9	..	4	30	..
Sugar Loaf AWS	618	15.4	6.4	10.9	..	..	..	..	..	..	..	..	..	..	..
Leeston, Harts Creek	12	18.4	6.9	12.7	..	29.0	21	0.5	14	13	6	..	5	29	..
Akaroa EWS	45	18.5	7.7	13.1	..	28.2	21	3.6	14	46	11	..	22	17	224
Le Bons Bay AWS	236	16.2	7.4	11.8	+0.0	25.4	21	3.5	14	23	12	..	6	10	..
Lake Tekapo, Air Safa	762	19.3	6.0	12.7	+1.6	27.1	21	0.2	5	7	6	-34	3	30	..
Lake Tekapo EWS	762	19.2	6.1	12.7	..	27.4	21	-0.5	10	6	7	..	2	30	252
Fairlie AWS	403	18.2	5.4	11.8	..	..	..	..	..	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	20.7	5.6	13.2	..	28.5	23	-2.6	14	6	5	..	2	27	..
Hakataramea Valley Cw	355	20.0	5.7	12.9	..	28.5	21	-0.9	14	1	2	..	1	22	..
Orari Estate	81	19.7	6.7	13.2	+0.5	31.8	23	0.2	17	23	8	-33	6	29	..
Timaru Aero AWS	26	19.2	6.0	12.6	+0.3	30.2	21	-0.8	17	77	6	+31	46	17	..
Timaru EWS	17	18.2	8.3	13.3	..	30.4	21	2.2	17	39	7	..	25	17	..
Waimate Cws	55	18.4	7.0	12.7	..	30.1	23	0.3	17	10	8	..	4	29	..
Oamaru Airport AWS	30	18.3	6.9	12.6	..	29.6	21	1.1	17	15	11	..	5	15	..
Albert Burn	1280	11.0	1.3	6.2	..	18.3	1	-3.1	16	157	19	..	37	14	..
Eglinton, Knobs Flat	365	15.8	4.4	10.1	..	21.4	8	-1.3	12	140	18	..	26	14	..
Tara Hills AWS	488	20.6	5.7	13.2	+1.2	28.5	23	-2.6	14	3	3	-41	2	27	..

Summary of the records of Temperature, Rainfall and Sunshine November 2009

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	20.3	6.9	13.6	..	26.5	23	0.1	17	9	4	..	8	27	..
St Bathans, Post Offi	585	18.8	5.7	12.3	..	..	..	..	..	..	..	..	..	..	..
Naseby Forest 2	607	18.7	4.5	11.6	+1.3	27.7	23	..	..	5	3	-52	3	12	..
Windsor EWS	81	20.3	5.7	13.0	..	30.7	21	-1.5	17	6	12	..	1	22	..
Ranfurly EWS	450	19.7	5.0	12.4	..	29.0	23	-2.4	14	1	4	..	0	22	..
Oamaru AWS	40	18.5	6.9	12.7	..	30.1	21	1.1	17	14	16	..	2	29	..
Palmerston	21	19.0	5.5	12.3	+0.5	30.8	23	-1.6	17	15	10	-32	4	15	210
Middlemarch EWS	213	19.3	5.5	12.4	..	30.6	23	-2.1	14	4	7	..	1	17	219
Swampy Summit AWS	722	..	3.2	..	..	..	..	..	..	..	..	..	..	..	..
Dunedin Aero AWS	1	19.0	6.3	12.7	+0.8	31.1	23	-0.4	16	22	14	-33	5	12	..
Dunedin, Musselburgh	4	17.5	8.3	12.9	+0.6	27.0	21	2.2	16	19	12	-45	5	12	193
Takahe Valley Cws	895	11.1	1.6	6.4	..	16.6	23	-2.5	18	164	18	..	35	25	..
Manapouri, West Arm J	178	15.2	7.0	11.1	..	21.2	22	2.5	16	353	24	..	53	25	..
Manapouri Aero AWS	209	15.8	5.1	10.5	..	21.1	20	-1.2	18	83	16	..	23	27	..
Queenstown	329	20.1	7.9	14.0	+1.0	26.3	23	3.2	18	25	9	-47	10	27	265
Queenstown Aero AWS	354	18.3	6.4	12.4	+0.6	26.6	23	0.2	14	17	8	-38	10	27	..
Lumsden AWS	187	16.8	5.9	11.4	+0.0	24.4	23	-1.5	14	18	14	..	5	10	..
Cromwell EWS	213	21.8	8.1	15.0	..	29.3	23	2.0	14	6	4	..	4	27	282
Lauder EWS	375	19.7	6.1	12.9	..	27.6	23	-1.7	14	1	3	..	1	3	..
Ophir 2	305	20.2	4.1	12.2	..	26.2	23	-2.9	14	1	2	..	1	3	..
Alexandra	150	22.3	7.0	14.7	..	30.5	23	-0.2	17	1	2	..	1	27	265
Clyde EWS	171	20.9	6.7	13.8	+0.4	31.1	23	0.9	14	2	3	..	2	27	..
Alexandra Cws	140	21.1	7.7	14.4	..	30.2	23	0.7	14	4	12	..	1	3	..
Ettrick No.2	91	20.3	5.5	12.9	+0.5	30.4	23	-0.4	29	4	5	..	2	12	..
Tapanui	180	17.2	5.8	11.5	+0.2	26.4	23	..	..	41	..	-27	7	12	..
Waitutu Cws	30	15.8	6.3	11.1	..	25.8	23	1.0	14	211	25	..	29	27	..
Winton	44	16.8	6.1	11.5	-0.1	27.5	23	1.8	14	35	10	-34	9	12	206
Gore AWS	123	15.2	6.4	10.8	-0.6	24.6	23	1.6	14	38	21	-40	7	12	..
Invercargill Aero		14.9	6.9	10.9	-0.4	26.3	23	1.1	14	107	23	+26	23	15	210
Invercargill Aero AWS	1	14.8	6.9	10.9	..	26.3	23	1.4	14	104	23	..	20	15	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	107	24	..	22	15	179
Tiwai Point EWS	5	13.7	7.8	10.8	-1.0	23.6	23	4.4	14	101	23	+18	16	25	..
Stewart Is	3	14.4	6.5	10.5	-0.3	25.0	23	2.5	30	204	..	+86	..	..	..
Balclutha, Telford Ew	11	16.6	7.0	11.8	..	27.6	23	0.0	10	23	15	..	6	12	249
Nugget Point AWS	129	15.4	6.7	11.1	+0.1	27.9	23	3.1	16	33	19	..	7	12	..
Tautuku	25	15.8	6.4	11.1	-0.1	28.0	23	2.0	10	117	24	+9	14	15	..
South West Cape AWS	101	11.8	6.7	9.3	..	15.9	20	3.6	13	82	27	..	15	19	..
Solomon, Taro Is	3	..	24.5	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.4	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	23.9	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	32.2	24.2	28.2	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	32.1	23.1	27.6	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.5	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	..	24.3	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	..	23.1	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	32.0	..	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	..	19.1	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	21.3	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	28.6	19.7	24.2	..	..	..	16.3	3	0	0	..	0	1	..
New Cal, Oulop	7	28.6	21.9	25.3	..	..	..	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	27.3	21.2	24.3	..	30.2	30	18.4	1	..	..	..	..	..	..
New Cal, Poinoimie	13	26.9	20.9	23.9	..	..	..	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	30.2	17.7	24.0	..	..	..	..	..	..	..	..	..	..	..
New Cal, Nouma	72	26.5	20.5	23.5	..	30.2	30	..	..	..	..	..	..	..	..
New Cal, Moue	97	25.8	19.0	22.4	..	28.0	30	16.1	12	68	17	..	20	2	..
New Cal, Matthew	27	24.0	21.5	22.8	..	28.5	30	19.3	3	..	..	..	..	..	..
Kiribati,Tarawa	2	32.0	25.7	28.9	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	..	25.7	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	..	26.0	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	..	26.3	..	..	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	..	25.8	..	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	29.5	25.1	27.3	..	..	..	22.6	28	..	..	..	..	..	..
Fiji, Nambowalu	36	27.4	22.5	25.0	..	..	..	19.5	3	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine November 2009

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	mm	Hrs	
Fiji,Nadi Aero	15	29.7	21.4	25.6	..	32.3	23	..	..	..	..	..	..	..
Fiji,Nausori Aero	6	26.8	21.0	23.9	..	..	..	..	..	..	..	..	..	..
Fiji, Vunisea	33	26.8	22.1	24.5	..	..	..	..	..	..	..	..	..	..
Kiribati, Kanton Isl	2	..	26.6	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.5	25.1	27.8	..	..	..	23.0	1	..	..	..	..	..
Maopoopo, Futuna Isla	36	29.7	24.7	27.2	..	..	..	22.4	24	206	19	..	56	10
Samoa, Pago Pago Aero	3	29.4	25.5	27.5	..	..	..	22.9	24	424	19	..	109	7
Tonga, Lupepauu	67	26.8	20.2	23.5	..	..	..	..	..	..	..	..	..	..
Salote Pilelevu Airpo	2	27.5	22.2	24.9	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	26.7	19.5	23.1	..	29.4	30	..	..	..	..	..	..	..
Niue, Hanan Airport	59	26.8	20.0	23.4	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	26.7	20.1	23.4	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	26.5	20.1	23.3	..	27.5	22	17.5	23	41	13	..	26	8	
Hiva Hoa, Atuona	51	31.6	23.9	27.8	..	33.1	5	22.9	17	..	..	..	..	..
Tahiti - Faaa	1	30.8	25.1	28.0	..	32.2	13	23.1	23	253	12	..	99	20	
Tuamotu, Takaraoa	2	30.8	26.2	28.5	..	32.3	15	23.9	18	78	18	..	21	17	
Tuamotu, Hao	3	29.2	25.2	27.2	..	30.5	13	23.2	18	..	..	..	..	..
Tuamotu, Hereheretue	3	..	23.7	..	..	..	..	..	..	..	..	..	..	..
Gambier, Rikitea	91	25.9	21.2	23.6	..	28.1	24	19.0	19	214	19	..	121	18	
Tubuai	2	25.7	20.1	22.9	..	..	..	..	..	..	..	..	..	..
Rapa	1	22.9	18.5	20.7	..	25.8	25	13.7	8	126	14	..	66	9	
Raoul Island AWS	49	22.0	15.0	18.5	..	25.4	29	11.0	10	6	6	..	3	19	
Enderby Is AWS	40	9.6	4.5	7.1	..	12.1	24	1.6	15	112	29	..	14	3	
Campbell Island AWS	19	8.5	3.3	5.9	-1.3	10.3	24	-0.4	13	194	30	+94	23	20	
Chatham Islands AWS	48	12.9	..	..	..	..	..	..	..	..	..	..	..	..
Chatham Island EWS	14	14.6	6.5	10.6	..	17.7	21	1.0	4	36	14	..	7	13	
Georg Von Neumayer	40	-7.5	-14.0	-10.8	..	-1.4	12	-23.0	26	..	..	..	..	..
Ant South Pole	2800	-35.2	-38.8	-37.0	..	-24.8	12	-46.8	8	..	..	..	..	..
Halley Bay	30	-6.9	-14.8	-10.9	..	-2.4	30	-24.3	4	..	..	..	..	..
Gen Belgrano 2	32	-1.9	-11.6	-6.8	..	5.0	13	-18.5	23	..	..	..	..	..
Base Jubany	4	0.1	-3.9	-1.9	..	5.3	19	-8.5	2	..	..	..	..	..
Dinamet	10	0.2	-3.4	-1.6	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	-2.7	-8.4	-5.6	..	1.8	17	-17.0	2	..	..	..	..	..
Eduardo Frei	10	-1.2	-4.0	-2.6	..	..	..	..	..	..	..	..	..	..
Arturo Prat		-0.3	-4.4	-2.4	..	2.8	15	-9.7	11	..	..	..	..	..
Bernado Ohiggins	10	-1.8	-3.9	-2.9	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	1.7	-3.7	-1.0	..	6.5	21	-9.5	10	..	..	..	..	..
Rothera Point	16	-1.4	-4.9	-3.2	..	2.5	29	-9.6	2	..	..	..	..	..
Novolax Arevskaja	99	-3.0	-9.4	-6.2	..	1.4	29	-15.8	9	..	..	..	..	..
Mawson	16	-2.0	-9.8	-5.9	..	..	..	..	..	..	..	..	..	..
Davis	13	-1.4	-8.0	-4.7	..	3.6	19	-15.7	7	..	..	..	..	..
Progress	64	-2.5	-7.8	-5.2	..	..	..	..	..	..	..	..	..	..
Vostok	3420	-35.5	-47.1	-41.3	..	-24.7	18	-59.4	1	..	..	..	..	..
Casey	41	-3.2	-9.4	-6.3	..	1.5	16	..	..	..	..	..	..	..
Wilkins Runway East	755	-8.1	-16.1	-12.1	..	..	..	..	..	..	..	..	..	..
Durmout Durville	43	-3.5	-9.0	-6.3	..	..	..	..	..	..	..	..	..	..
Mcmurdo	24	-3.2	-8.5	-5.9	..	3.1	15	-16.0	1	..	..	..	..	..
Ant Arrival Heights E	185	-5.3	-11.4	-8.4	..	1.1	17	-18.1	3	..	..	..	..	..
Ant Scott Base EWS	16	-5.3	-11.9	-8.6	..	0.4	25	-25.6	1	..	..	..	..	..
Darwin Airport	31	33.4	14.9	24.2	..	36.2	8	11.0	10	138	14	..	24	8	
Hobart Airport	4	24.0	10.9	17.5	..	32.6	20	5.5	6	55	10	..	27	28	

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 May 2009															
Hamilton, Ruakura 2 E	45	14.8	4.4	9.6	..	19.2	16	-3.4	22	102	20	..	14	17	144
Te Kuiti EWS	62	14.5	4.2	9.4	..	17.8	15	-2.5	22	171	19	..	28	8	127
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	130
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	171
Late returns and corrections for April 2009															
Hamilton, Ruakura 2 E	45	19.7	8.9	14.3	..	23.2	5	-0.7	10	72	10	..	25	20	161
Te Kuiti EWS	62	20.1	8.5	14.3	..	23.4	6	0.8	10	73	11	..	25	28	162
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	163
Late returns and corrections for March 2009															
Hamilton, Ruakura 2 E	45	22.1	10.4	16.3	..	26.3	3	3.2	24	32	10	..	17	5	212
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	218
Late returns and corrections for February 2009															
Hamilton, Ruakura 2 E	45	24.7	14.0	19.4	..	29.9	9	8.0	26	152	13	..	51	20	156
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	181
Late returns and corrections for January 2009															
Hamilton, Ruakura 2 E	45	24.5	11.8	18.2	..	28.8	8	7.2	21	45	9	..	22	10	284
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	255
Late returns and corrections for December 2008															
Hamilton, Ruakura 2 E	45	21.9	11.8	16.9	..	25.5	28	5.7	6	144	13	..	48	23	197
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	238
Late returns and corrections for November 2008															
Hamilton, Ruakura 2 E	45	20.2	9.6	14.9	..	26.3	30	2.9	8	37	8	..	12	24	188
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	239
Late returns and corrections for October 2008															
Hamilton, Ruakura 2 E	45	17.4	9.1	13.3	..	20.4	24	1.3	27	160	16	..	34	24	177
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	202
Late returns and corrections for September 2008															
Auckland, Owairaka	41	17.0	8.8	12.9	+0.3	19.6	23	..	..	51	17	-65	8	5	..
Hamilton, Ruakura 2 E	45	16.5	6.3	11.4	..	19.4	16	1.7	29	70	13	..	18	11	170
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	127
Late returns and corrections for August 2008															
Auckland, Owairaka	41	14.7	7.7	11.2	-0.1	18.3	24	-0.7	10	174	29	+53	21	24	..
Hamilton, Ruakura 2 E	45	14.3	5.3	9.8	..	17.8	25	-3.0	10	173	21	..	22	11	145
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	155
Late returns and corrections for July 2008															
Auckland, Owairaka	41	14.8	7.4	11.1	+0.3	19.2	19	-0.2	10	249	26	+103	54	29	..
Hamilton, Ruakura 2 E	45	13.6	4.5	9.1	..	17.7	19	-4.5	10	212	23	..	41	30	101
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	98
Late returns and corrections for June 2008															
Auckland, Owairaka	41	16.0	9.3	12.7	+1.1	18.3	15	0.4	5	162	19	+23	29	16	..
Hamilton, Ruakura 2 E	45	14.6	5.1	9.9	..	17.8	15	-3.3	5	161	16	..	42	16	122
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	123
Late returns and corrections for May 2008															
Auckland, Owairaka	41	16.9	8.5	12.7	-1.0	19.2	5	1.9	29	106	20	+3	54	4	..
Hamilton, Ruakura 2 E	45	16.4	4.4	10.4	..	18.4	24	-3.5	29	84	11	..	46	4	178
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	144
Late returns and corrections for April 2008															
Auckland, Owairaka	41	20.3	13.1	16.7	+0.5	23.1	6	7.3	11	115	18	+10	27	15	..

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		mm		mm	mm		Hrs	
Hamilton, Ruakura 2 E	45	20.5	10.0	15.3	..	23.4	7	2.5	10	113	16	..	37	15	140
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	176
Late returns and corrections for March 2008															
Auckland, Owairaka	41	23.2	15.3	19.3	+0.8	25.2	23	11.0	23	30	7	-64	14	1	..
Hamilton, Ruakura 2 E	45	24.4	11.6	18.0	..	28.9	16	7.2	9	36	5	..	22	31	203
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	216
Late returns and corrections for February 2008															
Auckland, Owairaka	41	23.9	15.5	19.7	-0.1	26.6	10	10.4	7	74	14	+9	27	23	..
Hamilton, Ruakura 2 E	45	24.9	13.2	19.1	..	30.0	4	7.5	27	26	11	..	8	12	198
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	223
Late returns and corrections for January 2008															
Hamilton, Ruakura 2 E	45	26.7	13.9	20.3	..	30.8	18	8.1	24	4	5	..	2	8	241
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	271

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.