

NOVEMBER 2010

Summary of the records of Temperature, Rainfall and Sunshine November 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	18.7	13.1	15.9	..	21.0	16	10.0	1	41	11	-21	20	18	..
Kaitaia Aero EWS	80	20.6	11.8	16.2	..	24.3	27	6.2	1	26	11	..	14	4	..
Kaitaia Observatory	85	20.7	11.9	16.3	..	24.6	27	8.0	2	31	6	-70	12	4	228
Kaitaia EWS	85	20.3	11.8	16.1	+0.2	24.2	27	7.8	2	27	7	..	11	4	223
Kerikeri EWS	79	21.2	11.0	16.1	+0.2	24.3	28	6.6	7	24	9	-111	11	4	..
Kerikeri Aerodrome Aw	150	20.9	10.9	15.9	..	24.0	28	6.5	1	30	13	..	11	4	..
Trounson Cws	220	18.6	9.9	14.3	..	24.7	19	4.1	1	1	3	..	0	4	..
Dargaville 2 EWS	66	20.8	11.5	16.2	..	25.3	19	5.4	1	10	5	..	3	4	202
Purerua AWS	82	20.0	12.3	16.2	..	23.0	14	8.9	1	31	9	..	19	4	..
Whangarei Aero AWS	37	21.5	12.5	17.0	+0.6	25.4	17	8.0	7	14	5	-75	8	20	..
Mokohinau AWS	60	19.3	14.6	17.0	..	23.3	28	..	..	13	10	-49	3	20	..
Leigh 2	27	20.9	13.1	17.0	+0.9	24.4	26	9.4	11	27	5	-47	22	20	..
Warkworth EWS	72	20.0	10.3	15.2	..	25.7	28	3.7	8	25	7	-72	14	20	..
Whangaparaoa AWS	89	20.7	13.1	16.9	..	24.9	28	9.3	6	20	7	..	10	20	..
Tiri Tiri Lighthouse	76	18.9	14.2	16.6	+0.8	22.2	26	11.3	2	31	8	-35	17	20	..
Kumeu Ews, Auckland R	16	20.2	10.1	15.2	..	..	..	..	..	37	7	..	18	20	..
Whenuapai AWS	26	20.5	11.0	15.8	..	25.1	28	5.0	8	..	..	..	..	..	..
North Shore, Auckland	20	21.0	13.0	17.0	..	..	..	8.6	24	..	..	..	..	..	..
North Shore Albany Ew	64	20.2	12.0	16.1	..	25.7	28	7.3	24	20	9	..	9	20	244
Henderson, River Pk	7	22.4	11.5	17.0	+0.8	27.2	28	5.3	8	40	11	-68	17	20	..
Henderson, Auckland R	35	20.9	13.0	17.0	..	25.9	28	8.2	9	..	..	..	..	..	..
Lincoln Rd, Auckland	25	21.4	10.7	16.1	..	..	..	5.8	8	..	..	..	..	..	..
Khyber Pass, Auckland	81	20.1	13.0	16.6	..	26.0	28	8.7	1	29	7	..	12	4	..
Musick Pt Ews, Auckla	18	20.0	12.4	16.2	..	..	..	..	..	..	..	..	..	..	..
Onehunga, Auckland Re	5	20.1	14.0	17.1	+0.9	24.6	28	9.9	1	..	..	..	..	..	..
Waiheke Island, Awaro	34	21.0	10.6	15.8	..	25.8	28	3.0	8	36	7	-62	20	20	..
Whitianga Aero AWS	5	20.0	11.1	15.6	-0.2	26.8	17	5.8	11	72	13	-45	21	20	..
Thames 2	3	21.5	11.5	16.5	+0.2	25.0	27	5.0	2	28	..	-49	10	20	..
Paeroa AWS	18	22.5	11.9	17.2	+1.2	..	..	..	..	57	10	-32	17	20	..
Toenepi EWS	48	22.1	10.8	16.5	..	27.6	28	4.9	4	32	7	..	18	4	..
Matamata, Hinuera EWS	106	21.7	9.3	15.5	..	26.7	27	2.8	1	33	6	..	11	4	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	259
Tauranga Aero AWS	4	21.4	12.8	17.1	+1.5	25.2	25	6.9	2	36	12	-48	8	22	..
Te Puke EWS	91	20.6	10.6	15.6	..	24.8	25	5.4	4	61	11	-55	14	19	..
Whakatane Aero AWS	7	20.8	11.5	16.2	+0.6	26.1	14	4.0	7	39	13	-49	11	23	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	259
White Island AWS	310	17.1	11.1	14.1	..	..	..	7.3	24	..	..	..	..	..	..
Kawerau AWS	42	22.9	11.0	17.0	..	26.9	28	3.1	7	..	..	..	..	..	206
Rotorua Aero AWS	283	20.0	9.4	14.7	+0.7	24.6	28	2.7	2	54	9	-49	16	20	..
Galatea AWS	174	21.1	10.2	15.7	..	27.0	17	3.1	6	28	6	..	9	21	..
Taupo Wxt AWS	385	20.8	9.9	15.4	..	26.8	30	1.4	7	19	6	..	10	20	..
Tarapounamu EWS	701	17.6	..	..	..	..	..	..	..	43	17	..	15	21	..
Taupo AWS	400	20.7	7.9	14.3	+0.9	27.2	30	-1.5	7	16	4	..	9	20	..
Motu EWS	488	17.6	7.2	12.4	..	25.5	17	0.4	10	27	7	..	9	21	..
Otamatuna, Te Mapou H	624	17.4	7.4	12.4	..	23.5	17	1.8	7	58	7	..	23	20	..
Mangere EWS	5	19.7	12.5	16.1	..	24.3	29	7.8	1	39	9	..	18	20	223
Wiri, Auckland Region	18	19.8	13.6	16.7	+1.0	24.7	29	8.9	1	..	..	..	..	..	..
Pakuranga, Auckland R	15	21.6	12.5	17.1	..	..	..	6.5	8	..	..	..	..	..	..
Penrose Ews, Auckland	30	21.1	12.3	16.7	..	..	..	7.7	1	..	..	..	..	..	..
Auckland Aero	33	20.4	13.1	16.8	+0.6	24.2	29	7.7	8	22	8	-57	16	4	..
Ardmore	23	21.6	9.6	15.6	+0.3	28.0	28	5.0	8	46	8	-47	20	4	..
Pukekohe EWS	88	20.1	10.9	15.5	+0.3	25.2	28	5.7	8	38	7	..	24	4	..
Whatawhata 2 EWS	118	20.9	10.3	15.6	..	26.6	28	4.0	7	24	9	..	8	4	..
Hamilton, Ruakura 2 E	45	22.2	10.3	16.3	..	28.1	28	4.2	7	22	6	..	12	4	228
Hamilton AWS	53	22.0	9.5	15.8	+1.1	28.3	28	3.0	1	16	6	-80	8	4	..
Lake Karapiro Cws	55	22.0	11.4	16.7	..	27.9	28	7.1	7	12	5	..	5	4	..
Port Taharoa AWS	27	20.1	12.1	16.1	+0.4	23.6	20	6.2	7	34	7	..	15	4	..
Waikeria	46	22.7	9.8	16.3	+1.4	28.4	28	2.5	7	13	4	-81	6	4	..
Te Kuiti EWS	62	21.7	8.7	15.2	..	27.5	28	1.4	1	17	5	..	8	4	239
Pureora Forest Cws	549	18.7	7.3	13.0	..	23.9	28	-1.0	7	32	7	..	16	28	..
Taumarunui	171	21.7	9.6	15.7	+1.0	28.0	28	0.5	7	41	10	-87	22	20	..
Taumarunui AWS	195	22.7	8.0	15.4	..	29.8	28	-1.6	7	40	10	..	20	20	272
Turangui 2 EWS	350	20.9	7.2	14.1	..	29.2	30	-1.8	1	30	7	..	10	4	263

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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	275	
New Plymouth AWS	30	19.7	10.0	14.9	+0.6	26.4	27	4.9	7	27	7	-85	13	4	..
Lower Retaruke Cws	233	21.8	8.5	15.2	..	28.7	28	0.1	7	30	7	..	12	4	..
Mt Ruapehu, Chateau E	1097	16.8	3.8	10.3	+1.9	25.2	17	-2.1	7	59	10	-188	25	20	..
Pahiatua EWS	110	19.2	8.4	13.8	..	26.0	28	1.9	23	27	6	..	9	20	..
Alfredton EWS	240	20.3	8.4	14.4	..	28.1	28	0.8	23	16	10	..	4	20	..
Masterton Aero AWS	138	21.9	7.3	14.6	..	30.2	29	1.5	24	38	8	..	21	20	..
Masterton, Te Ore Ore	110	21.3	2.9	12.1	..	28.8	19	-2.4	24	31	6	..	15	20	..
Kopua	311	19.3	8.8	14.1	+0.9	25.5	29	2.7	23	24	8	-54	11	20	..
Takapau Plains AWS	330	19.1	7.9	13.5	..	25.8	29	1.7	23	32	13	..	16	20	..
Dannevirke	207	20.1	9.1	14.6	+1.0	27.0	28	3.0	23	21	8	-68	7	14	232
Dannevirke EWS	207	19.9	9.4	14.7	..	26.3	29	3.4	23	20	7	..	6	14	237
Waione EWS	48	22.0	8.8	15.4	..	31.0	29	1.4	23	14	8	..	6	14	..
Cape Turnagain AWS	292	15.2	10.4	12.8	..	24.1	18	5.5	6	55	15	..	19	5	..
Akitio EWS	245	17.0	9.3	13.2	..	25.5	30	4.7	23	21	12	..	5	14	267
Castlepoint Station	9	20.0	11.3	15.7	..	..	..	5.9	23	17	7	-49	5	14	..
Castlepoint AWS	120	17.7	11.0	14.4	-0.2	25.9	18	6.2	6	17	7	..	6	20	..
Baring Head	79	18.1	11.3	14.7	..	29.6	17	7.1	6	17	4	..	14	20	..
Te Wharau, Brackenfie	292	19.5	7.3	13.4	..	28.2	29	1.4	23	48	8	..	23	5	..
Martinborough EWS	20	21.7	8.5	15.1	..	30.7	29	2.1	23	31	6	..	15	5	250
Ngawi AWS	6	20.2	11.9	16.1	..	..	..	7.8	6	19	6	..	12	20	..
Hicks Bay AWS	46	18.2	12.0	15.1	-0.3	22.0	14	8.9	25	26	11	..	7	19	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	254
Gisborne AWS	5	20.1	10.2	15.2	-0.6	27.7	14	4.9	10	37	16	-26	11	21	..
Tolaga Bay Wxt AWS	12	18.0	11.0	14.5	..	26.5	14	6.3	4	27	16	..	6	24	..
Napier Aero AWS	3	19.7	10.4	15.1	-0.2	29.4	16	5.4	10	29	9	-31	14	21	..
Napier Nelson Pk	2	21.1	11.8	16.5	+0.4	29.7	16	6.2	11	19	6	-38	9	21	241
Hastings AWS	16	21.2	10.2	15.7	..	29.7	20	5.0	10	14	9	..	4	20	..
Whakatu EWS	5	19.9	9.3	14.6	..	27.9	13	3.5	10	12	7	..	4	5	..
Waipawa EWS	130	20.2	8.0	14.1	..	28.9	30	2.7	23	15	7	..	10	20	258
Wairoa, North Clyde E	15	20.7	10.0	15.4	-0.4	28.6	20	4.8	10	18	5	-61	15	5	..
Mahia Radar Wxt AWS	419	15.5	9.8	12.7	..	..	..	..	..	31	13	..	10	21	..
Mahia AWS	136	17.8	10.9	14.4	-0.5	25.1	14	7.5	24	21	11	..	6	21	..
Cape Kidnappers Wxt A	118	16.5	12.1	14.3	..	25.0	14	7.6	7	30	9	..	19	21	..
Paraparaumu Aero	5	18.7	9.8	14.3	+0.4	23.0	26	2.0	1	19	8	-63	9	20	254
Paraparaumu Aero AWS	5	18.0	10.0	14.0	+0.1	22.7	26	2.3	1	19	6	..	9	20	273
Ohakea AWS	50	19.9	10.3	15.1	..	25.6	28	4.1	7	..	..	..	..	..	..
Palmerston North AWS	39	20.3	9.3	14.8	+0.8	26.3	28	0.9	7	48	9	-24	24	21	..
Palmerston North EWS	21	19.7	9.9	14.8	..	26.1	28	1.2	7	34	5	..	16	21	212
Levin AWS	14	19.3	9.3	14.3	+0.2	23.9	28	1.3	7	35	7	..	21	20	..
Mana Island	2	18.7	11.3	15.0	+0.8	22.5	28	6.2	2	26	5	..	12	20	..
Mana Island AWS	100	15.9	10.8	13.4	..	21.1	28	6.6	6	20	5	..	13	20	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	249
Wellington, Kelburn A	125	17.7	10.7	14.2	..	21.6	27	6.0	2	37	7	..	20	20	..
Wellington Aero	4	18.3	11.7	15.0	+0.6	23.2	14	6.6	2	21	6	-58	16	20	..
Wallaceville EWS	56	20.2	7.8	14.0	..	26.6	29	2.4	2	29	6	-74	13	5	230
Stratford EWS	300	18.7	8.0	13.4	..	24.8	28	3.2	7	22	5	..	14	4	255
Hawera AWS	98	17.5	9.1	13.3	..	20.9	19	3.3	23	51	6	..	35	20	..
Ohakune EWS	607	19.0	6.1	12.6	..	26.5	29	-0.4	1	40	6	..	13	20	293
Waiouru	806	17.4	5.0	11.2	+0.9	24.7	29	-2.3	7	36	7	-46	13	5	..
Waiouru AWS	820	17.3	4.7	11.0	..	25.2	29	-3.0	7	35	6	-44	12	5	..
Taihape Rec	433	21.0	7.1	14.1	+1.1	27.0	28	-0.9	7	26	6	-44	12	20	..
Wanganui, Spriggins Pa	15	20.3	10.9	15.6	+0.7	24.1	26	4.5	7	9	5	-65	3	20	..
Wanganui AWS	8	18.9	10.4	14.7	+0.0	..	..	3.2	9	10	6	..	3	20	..
Wanganui 2 AWS	18	20.2	10.3	15.3	..	23.7	26	3.3	7	..	..	..	..	..	..
Takaka, Kotinga 2	25	21.0	9.3	15.2	+1.4	27.0	13	4.9	6	10	4	-168	7	4	..
Takaka EWS	20	20.7	9.3	15.0	..	27.8	13	4.9	6	9	4	..	6	4	259
Farewell Spit AWS	3	19.9	12.0	16.0	+1.6	24.9	30	8.1	6	15	3	..	8	20	..
Westport Aero AWS	2	18.4	10.4	14.4	+1.2	21.2	18	6.4	6	42	7	-134	16	4	..
Arapito	18	19.0	9.6	14.3	+0.8	21.9	19	3.9	6	34	7	-191	20	14	178
Arapito EWS	18	18.4	9.0	13.7	..	21.6	19	3.1	6	29	8	..	19	14	..
Murchison EWS	185	24.2	7.8	16.0	..	32.4	27	1.1	6	13	8	-126	7	20	..
Lake Rotoiti EWS	634	22.1	6.1	14.1	..	29.9	29	-1.1	7	32	11	..	9	14	..

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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		
Hokitika Aero	39	17.1	10.0	13.6	+0.9	19.9	18	4.1	6	88	14	-152	44	16	186
Hokitika AWS	38	17.2	10.0	13.6	+1.0	20.0	18	4.1	6	88	14	..	45	16	..
Reefton EWS	198	22.1	9.0	15.6	+2.3	30.9	27	2.1	6	17	5	-158	7	20	243
Greymouth Aero	4	17.5	10.8	14.2	+1.1	19.7	18	5.9	7	52	10	-149	21	16	191
Greymouth Aero EWS	5	17.1	10.6	13.9	..	19.0	16	6.1	7	54	13	..	21	16	219
Pigeon Creek Cws	105	18.8	9.9	14.4	..	24.5	26	4.1	7	133	10	..	40	16	..
Mt Philistine EWS	1655	12.4	4.8	8.6	..	20.6	28	-3.4	6	146	14	..	32	14	..
Mahanga EWS	1995	11.0	2.1	6.6	..	18.3	29	-6.9	6	54	12	..	16	20	..
Okarito	2	17.1	10.0	13.6	..	19.4	18	4.9	6	112	11	-143	33	19	..
Franz Josef	155	17.9	8.4	13.2	+1.3	23.4	27	5.3	7	134	13	-326	32	16	..
Franz Josef EWS	80	17.4	9.0	13.2	..	22.6	30	4.3	6	109	11	..	28	16	124
Haast AWS	5	16.5	9.6	13.1	+1.2	18.3	26	4.7	9	126	16	..	42	19	..
Milford Sound	3	17.1	9.1	13.1	+1.4	20.7	28	4.5	22	391	17	-131	71	17	..
Milford Sound AWS	3	17.6	9.4	13.5	..	21.1	28	4.3	22	373	18	..	65	17	..
Secretary Island AWS	19	15.3	10.8	13.1	..	18.8	27	6.8	22	410	20	..	61	13	..
Puysegur Point AWS	44	15.2	10.9	13.1	+1.9	19.8	13	7.4	6	105	11	-67	25	13	..
Motueka, Riwaka EWS	8	22.1	9.2	15.7	+1.5	29.8	17	3.8	3	18	4	-88	8	20	..
Pelorus Sd, Crail Bay	13	19.8	10.9	15.4	+1.0	24.5	14	7.0	2	51	5	-118	22	20	..
Nelson Aero	2	19.7	11.5	15.6	+1.4	26.6	13	6.1	6	23	8	-57	19	20	260
Appleby 2 EWS	18	19.9	9.0	14.5	..	26.7	13	3.0	3	13	3	..	9	20	268
Nelson AWS	4	20.6	11.4	16.0	+1.5	26.3	13	6.1	1	23	7	..	18	20	..
Blenheim Research EWS	4	21.3	9.7	15.5	+0.9	29.1	16	3.0	7	27	5	-23	18	20	284
Blenheim Aero AWS	35	22.0	8.7	15.4	+1.2	31.0	18	2.2	1	33	4	-23	22	20	..
Brothers Island AWS	68	16.4	11.9	14.2	..	21.1	14	8.6	6	13	5	..	12	20	..
Awatere Valley, Dashw	83	21.2	8.4	14.8	..	29.9	16	0.3	7	15	3	..	11	20	..
Grassmere Salt Works	2	20.1	11.9	16.0	+1.4	26.6	13	5.0	7	15	3	-29	10	20	..
Cape Campbell AWS	2	16.3	11.5	13.9	..	22.4	14	7.5	7	17	2	..	13	20	..
Boyle River Lodge	600	23.0	6.7	14.9	..	30.2	28	-0.5	1	36	12	..	16	20	..
Hanmer Forest EWS	363	23.3	5.5	14.4	+2.4	30.6	18	-2.0	1	52	6	-44	21	5	..
Kaikoura AWS	105	17.9	10.5	14.2	+1.0	24.4	13	5.0	6	35	5	-28	16	5	..
Arthurs Pass	738	17.9	6.7	12.3	+3.1	26.0	28	-1.0	7	74	10	-348	19	4	..
Arthurs Pass EWS	738	17.6	6.2	11.9	..	25.6	28	-1.6	7	70	10	..	18	4	..
Culverden AWS	181	21.8	8.8	15.3	..	30.3	29	0.3	7	46	9	..	20	5	..
Waiau School Cws	136	23.6	8.9	16.3	..	32.9	29	-1.5	7	57	6	..	21	5	..
Mt Potts EWS	2128	10.6	2.1	6.4	..	18.3	28	-8.7	6	27	11	..	7	20	..
Mt Cook EWS	765	21.5	7.3	14.4	+3.6	28.6	28	-0.1	6	49	9	-333	10	5	201
Craigieburn Forest	914	20.6	5.0	12.8	+3.1	29.5	29	-1.4	7	66	11	-59	26	5	..
Snowdon EWS	560	20.3	8.1	14.2	..	28.2	29	0.0	7	69	4	..	33	5	..
Hororata, Illana	196	22.3	..	..	..	..	..	..	..	51	7	..	31	5	..
Methven, Three Spring	305	19.9	8.4	14.2	..	27.5	29	1.3	7	70	7	..	35	5	..
Methven Cws	313	20.7	9.2	15.0	..	28.3	16	2.0	7	85	8	..	37	5	..
Winchmore EWS	160	21.3	8.5	14.9	+2.2	29.2	29	1.8	7	56	6	+2	36	5	..
Peel Forest	286	20.0	7.1	13.6	+1.7	28.8	29	0.6	1	77	9	-10	28	5	..
Ashburton Council	101	22.2	9.4	15.8	+2.2	31.5	29	2.5	7	48	6	-7	38	5	..
Ashburton Aero AWS	89	20.6	8.8	14.7	..	28.8	29	2.0	7	63	10	..	30	5	257
Waipara West EWS	130	21.5	9.7	15.6	..	29.3	19	2.2	7	39	7	..	21	5	272
Rangiora EWS	23	20.1	9.0	14.6	+1.4	29.6	16	2.5	4	40	6	..	21	5	240
Darfield EWS	190	21.2	8.9	15.1	..	28.3	29	2.2	1	45	4	..	31	5	..
Christchurch Aero	37	20.4	9.0	14.7	+1.2	29.2	16	1.2	7	53	6	+7	36	5	264
Christchurch Gardens	7	20.6	10.0	15.3	+1.3	28.8	16	2.5	7	53	6	+9	29	5	..
Christchurch, Kyle St	6	20.9	10.7	15.8	..	29.7	16	2.2	7	58	5	..	34	5	..
Christchurch, New Bri	12	16.3	11.5	13.9	..	23.3	13	5.4	7	..	..	..	..	..	..
Lincoln, Broadfield E	18	19.7	9.5	14.6	+1.4	29.2	16	1.2	7	52	5	..	36	5	..
Sugar Loaf AWS	618	18.4	8.9	13.7	..	25.6	16	2.3	6	..	..	..	..	..	..
Lyttelton Harbour	5	18.4	11.9	15.2	..	24.8	16	6.3	7	32	4	..	19	5	..
Leeston, Harts Creek	12	19.6	9.5	14.6	..	28.4	16	3.0	7	49	4	..	37	5	..
Akaroa EWS	45	20.9	10.8	15.9	..	28.8	18	5.4	7	76	5	..	58	5	274
Le Bons Bay AWS	236	17.1	9.5	13.3	+1.5	24.9	16	4.3	6	50	6	..	35	5	..
Lake Tekapo, Air Safa	762	21.3	6.2	13.8	+2.7	27.3	13	-0.4	6	16	7	-25	6	5	..
Lake Tekapo EWS	762	21.6	6.5	14.1	..	27.5	13	0.1	6	14	7	..	5	5	228
Fairlie AWS	403	19.3	8.3	13.8	..	28.2	29	1.6	7	57	7	..	20	5	..
Pukaki Aerodrome AWS	473	24.0	6.1	15.1	..	30.4	27	-1.2	7	45	7	..	15	21	..
Hakataramea Valley Cw	355	21.6	7.4	14.5	..	29.7	29	0.4	15	19	6	..	4	5	..

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

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		Means of		Mean of A and B	Differ-ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ-ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs		
Orari Estate	81	20.6	9.0	14.8	+2.1	29.1	11	1.9	7	46	7	-10	29	21	..
Orari Estate Cws	81	19.7	9.0	14.4	..	27.7	11	1.3	1	46	8	..	29	21	..
Timaru Aero AWS	26	19.8	8.1	14.0	+1.7	27.6	12	-1.2	1	32	5	-14	26	21	..
Timaru EWS	17	17.7	9.9	13.8	..	25.6	13	3.7	7	38	7	..	24	21	213
Waimate Cws	55	18.4	9.1	13.8	..	25.9	11	2.5	7	13	8	..	9	21	..
Oamaru Airport AWS	30	17.8	8.5	13.2	..	25.6	11	2.4	22	28	9	..	13	21	..
Albert Burn	1280	14.1	4.1	9.1	..	23.1	27	-2.8	6	79	15	..	15	13	..
Eglinton, Knobs Flat	365	19.1	7.5	13.3	..	27.6	27	-1.9	6	42	15	..	15	13	..
Tara Hills AWS	488	23.4	7.0	15.2	+3.2	29.9	27	-1.2	15	17	5	-27	6	20	..
Wanaka Aero AWS	352	22.6	9.6	16.1	..	31.4	28	..	..	3	2	..	2	19	..
Naseby Forest 2	607	20.2	6.2	13.2	+2.9	27.1	29	-0.4	15	34	7	-23	10	19	..
Ranfurly EWS	450	21.9	6.7	14.3	..	29.2	29	-0.7	15	20	9	..	8	19	..
Oamaru AWS	40	18.3	9.0	13.7	..	26.4	11	2.9	22	35	17	..	17	21	..
Rock And Pillar	270	20.4	8.0	14.2	..	28.9	29	1.4	24	..	..	..	..	..	..
Palmerston	21	19.0	7.8	13.4	+1.6	27.7	11	1.5	1	25	14	-22	9	21	175
Middlemarch EWS	213	21.3	7.7	14.5	..	31.2	29	0.1	7	34	15	..	10	19	149
Swampy Summit AWS	722	15.5	6.5	11.0	..	23.5	13	0.3	6	..	..	..	..	..	..
Dunedin Aero AWS	1	19.5	8.1	13.8	+1.9	27.3	11	2.3	24	49	14	-6	16	19	..
Dunedin, Musselburgh	4	17.9	10.4	14.2	+1.9	27.3	11	5.9	8	33	13	-31	9	19	170
Murchison Mtns EWS	1140	12.5	5.0	8.8	..	20.3	27	-2.0	6	125	17	..	25	15	..
Takahe Valley Cws	895	14.9	4.8	9.9	..	21.5	28	-2.1	22	54	13	..	12	5	..
Manapouri, West Arm J	178	17.8	9.0	13.4	..	23.7	28	3.2	22	134	17	..	22	13	..
Manapouri Aero AWS	209	18.9	7.4	13.2	..	24.8	28	0.0	22	2	2	..	1	29	..
Queenstown	329	21.6	9.3	15.5	+2.5	29.8	28	2.8	22	13	5	-59	3	21	..
Queenstown Aero AWS	354	20.4	7.2	13.8	+2.0	28.5	28	0.8	22	13	5	-42	4	20	..
Lumsden AWS	187	19.5	8.2	13.9	+2.5	26.4	28	0.1	15	44	13	..	9	13	..
Cromwell EWS	213	24.0	9.0	16.5	..	32.3	28	2.6	7	14	5	..	8	20	242
Lauder EWS	375	22.0	7.9	15.0	..	29.3	28	0.0	22	21	8	..	10	19	..
Ophir 2	305	22.5	6.1	14.3	..	29.1	24	-1.4	7	13	8	..	7	19	..
Alexandra	150	24.3	8.2	16.3	..	31.9	29	1.4	7	10	5	..	4	19	223
Clyde EWS	171	22.7	8.2	15.5	+2.1	30.4	29	1.6	15	13	5	..	6	20	..
Alexandra Cws	140	23.5	8.9	16.2	..	31.6	29	2.1	7	15	10	..	4	19	..
Ettrick No.2	91	21.5	8.0	14.8	+2.4	30.4	29	1.5	15	23	9	..	6	13	..
Tapanui	180	19.3	7.9	13.6	+2.3	25.8	13	2.0	24	54	..	-14	..	..	..
Waitutu Cws	30	18.7	8.4	13.6	..	26.6	13	2.7	8	100	16	..	24	29	..
Winton	44	19.9	8.8	14.4	+2.8	26.4	13	3.1	9	39	15	-30	7	19	150
Gore AWS	123	18.3	8.9	13.6	+2.2	24.9	29	3.6	24	52	17	-26	12	4	..
Invercargill Aero		18.4	8.7	13.6	+2.3	25.7	29	2.4	9	52	17	-30	11	4	185
Invercargill Aero AWS	1	18.7	8.8	13.8	..	25.7	29	2.9	9	59	18	..	19	4	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	45	17	..	10	4	164
Tiwaï Point EWS	5	17.6	10.2	13.9	+2.1	25.0	29	6.0	8	51	18	-32	8	15	..
Balclutha, Telford Ew	11	18.0	8.5	13.3	..	27.1	29	2.7	24	30	16	..	7	19	173
Nugget Point AWS	129	16.3	9.0	12.7	+1.7	26.4	11	5.5	22	41	21	..	7	19	..
Tautuku	25	18.3	8.3	13.3	+2.1	27.0	14	2.5	8	68	14	-40	16	21	..
South West Cape AWS	101	14.5	9.5	12.0	..	17.7	10	5.9	8	100	21	..	28	24	..
Solomon, Taro Is	3	31.8	24.2	28.0	..	..	..	22.5	8	255	16	..	53	22	..
Solomon, Munda	6	31.5	23.7	27.6	..	..	..	21.2	8	203	20	..	52	16	..
Solomon, Auki	11	31.5	23.6	27.6	..	..	..	21.1	7	391	24	..	117	28	..
Solomon, Honiara	56	32.0	23.7	27.9	..	..	..	22.8	4	..	..	..	..	..	..
Solomon, Henderson	9	31.2	22.6	26.9	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	30.7	23.9	27.3	..	..	..	22.5	14	536	25	..	119	27	..
Vanuatu,Sola	13	30.8	23.5	27.2	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	30.0	22.8	26.4	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	..	24.0	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	..	21.1	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	29.4	18.7	24.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	28.0	22.0	25.0	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	28.5	..	..	..	30.4	1	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	27.7	21.9	24.8	..	30.4	6	15.9	17	..	..	..	..	..	..
New Cal, Poinoimie	13	27.3	..	..	..	30.4	19	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	30.4	19.5	25.0	..	34.6	19	14.9	16	33	10	..	24	5	..
New Cal, Nouma	72	27.0	21.2	24.1	..	31.5	2	19.1	17	55	15	..	15	22	..
New Cal, Moue	97	25.7	20.9	23.3	..	28.9	18	18.1	16	89	20	..	32	15	..

Summary of the records of Temperature, Rainfall and Sunshine November 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		
Kiribati,Tarawa	2	30.3	25.6	28.0	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	30.7	25.2	28.0	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.6	26.7	29.2	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.6	26.1	28.9	..	..	..	..	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	31.1	24.7	27.9	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	30.3	24.6	27.5	..	..	..	22.9	20	..	..	..	..	..
Fiji, Nambowalu	36	29.0	23.0	26.0	..	..	..	..	..	..	..	..	..	..
Fiji,Nadi Aero	15	29.7	22.3	26.0	..	32.7	6	..	..	..	..	..	..	..
Fiji, Nadi EWS	15	29.8	22.4	26.1	..	32.8	6	21.1	21	233	16	..	41	27	
Fiji,Nausori Aero	6	28.0	22.3	25.2	..	31.4	7	..	..	..	..	..	..	..
Fiji, Vunisea	33	28.1	22.8	25.5	..	..	..	19.8	12	..	..	..	..	..
Wallis Island, Hihifo	27	30.6	24.5	27.6	..	31.8	17	21.5	21	..	..	..	..	..
Maopoopo, Futuna Isla	36	30.0	24.3	27.2	..	32.1	29	22.5	10	..	..	..	..	..
Samoa,Faleolo	4	30.6	23.0	26.8	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.9	22.7	26.3	..	..	..	20.1	23	..	..	..	..	..
Samoa, Pago Pago Aero	3	29.9	24.5	27.2	..	..	..	..	..	..	..	..	..	..
Tonga, Queen Lavinia	60	..	23.6	..	..	..	..	..	..	..	..	..	..	..
Tonga, Lupepauu	67	27.8	22.1	25.0	..	..	..	17.9	11	..	..	..	..	..
Salote Pilolevu Airpo	2	27.4	23.1	25.3	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	26.8	21.8	24.3	..	30.2	7	..	..	..	..	..	..	..
Niue, Hanan Airport	59	28.3	23.0	25.7	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	28.5	22.6	25.6	..	..	..	20.2	2	..	..	..	..	..
Rarotonga EWS	4	28.3	22.7	25.5	..	30.8	25	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	30.6	22.1	26.4	..	32.3	8	21.3	25	..	..	..	..	..
Tahiti - Faaa	1	30.3	23.6	27.0	..	31.0	10	..	..	..	..	..	..	..
Tuamotu, Hao	3	28.5	24.3	26.4	..	29.9	6	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	28.4	23.2	25.8	..	30.5	2	21.7	30	140	20	..	27	19	
Gambier, Rikitea	91	26.1	21.0	23.6	..	27.4	23	..	..	..	..	..	..	..
Tubuai	2	26.3	21.6	24.0	..	27.8	12	15.9	3	105	16	..	34	29	
Rapa	1	23.1	19.4	21.3	..	25.2	13	15.6	21	189	15	..	67	30	
Pitcairn Is	264	23.4	18.5	21.0	..	25.2	21	16.4	5	49	..	..	30	8
Pitcairn Island AWS	264	23.3	18.5	20.9	..	25.1	24	16.4	5	35	5	..	28	8	
Raoul Island AWS	49	20.7	15.6	18.2	..	..	..	..	..	..	..	..	..	..
Enderby Is AWS	40	10.8	6.9	8.9	..	..	..	..	..	104	17	..	28	3
Campbell Island AWS	19	10.2	6.2	8.2	+1.0	12.6	28	0.3	25	74	22	-26	10	2	
Chatham Islands AWS	48	14.8	8.8	11.8	+0.1	17.4	17	3.8	24	68	9	+5	30	21	
Chatham Island EWS	14	16.1	9.6	12.9	..	20.6	17	3.9	3	43	5	..	16	21	
Georg Von Neumayer	40	-6.8	-17.6	-12.2	..	-2.4	10	-27.7	18	..	..	..	..	..
Ant South Pole	2854	-36.1	-40.4	-38.3	..	-22.5	9	-47.9	2	..	..	..	..	..
Halley Bay	30	-6.9	-15.2	-11.1	..	..	..	..	..	..	..	..	..	..
Gen Belgrano 2	32	-3.1	-10.8	-7.0	..	2.5	8	-17.2	1	..	..	..	..	..
Base Jubany	4	3.8	-0.4	1.7	..	19.0	27	-2.6	10	..	..	..	..	..
Dinamet	10	2.1	-0.6	0.8	..	4.5	21	-3.2	10	..	..	..	..	..
V C Marambio	198	2.9	-2.6	0.2	..	13.0	10	-6.4	25	..	..	..	..	..
Eduardo Frei	10	1.0	-1.1	-0.1	..	3.3	21	-3.0	10	..	..	..	..	..
Arturo Prat		1.7	-0.7	0.5	..	3.5	18	-3.2	10	..	..	..	..	..
Bernado Ohiggins	10	0.5	-1.2	-0.4	..	..	..	..	..	..	..	..	..	..
Palmer Station	8	2.7	-0.9	0.9	..	6.1	19	-4.0	10	..	..	..	..	..
Rothera Point	16	0.8	-2.3	-0.8	..	3.1	15	-6.7	10	..	..	..	..	..
Argentine Is, Faraday	11	3.2	-1.7	0.8	..	32.9	18	-4.5	10	..	..	..	..	..
Gen San Martin	4	3.3	-2.6	0.4	..	8.0	14	-7.9	10	..	..	..	..	..
King Sejong	11	2.3	-0.2	1.1	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	-3.1	-8.8	-6.0	..	..	..	..	..	..	..	..	..	..
Mawson	16	-3.8	-10.8	-7.3	..	..	..	..	..	..	..	..	..	..
Davis	13	-3.6	-10.2	-6.9	..	..	..	..	..	..	..	..	..	..
Progress	64	-4.3	-9.3	-6.8	..	..	..	-17.7	29	..	..	..	..	..
Vostok	3420	-37.9	-50.7	-44.3	..	-27.5	20	-59.3	1	..	..	..	..	..
Casey	41	-3.3	-9.7	-6.5	..	..	..	-17.7	4	..	..	..	..	..
Durmout Durville	43	-3.0	-9.2	-6.1	..	1.2	14	-16.8	3	..	..	..	..	..
Mcmurdo	24	-4.7	-11.5	-8.1	..	1.4	10	-24.9	3	..	..	..	..	..
Ant Scott Base	16	-6.2	-14.5	-10.4	..	0.5	11	-22.3	2	..	..	..	..	..
Ant Arrival Heights E	185	-6.5	-13.3	-9.9	..	-0.4	10	-22.1	2	
Ant Scott Base EWS	16	-6.2	-14.6	-10.4	..	1.7	10	-21.0	2	

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		Means of		Mean of A and B	Differ-ence From Normal	Absolute Max and Min				Total Fall	No. of Rain Days	Differ-ence From Normal	Max		
		A Max	B Min			Max	Date	Min	Date				Fall	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs	
Darwin Airport	31	33.1	15.9	24.5	..	34.3	20	..	..	..	..	..	..	..
Hobart Airport	4	22.4	9.3	15.9	..	33.3	23	..	..	..	..	..	..	..
Late returns and corrections for October 2010															
Kerikeri EWS	79	18.6	8.7	13.7	-0.5	21.6	29	4.9	10	50	7	-84	25	13	..
Warkworth EWS	72	17.3	8.3	12.8	..	20.8	26	4.3	10	40	13	-66	21	13	..
North Shore Albany Ew	64	17.5	10.1	13.8	..	20.9	26	5.8	10	21	11	..	5	19	241
Motu EWS	488	14.6	5.2	9.9	..	20.8	25	-0.6	23	203	16	..	66	13	..
Lower Retaruke	219	17.6	6.1	11.9	-0.2	22.2	27	0.5	23	54	11	-94	20	19	..
Dannevirke	207	16.2	7.2	11.7	-0.4	22.2	17	3.5	22	67	16	-26	17	13	209
Dannevirke EWS	207	16.1	7.6	11.9	..	22.4	17	3.9	22	61	16	..	16	13	196
Whakatu EWS	5	17.4	7.2	12.3	..	21.9	25	0.8	2	83	11	..	53	13	..
Palmerston North EWS	21	16.3	8.4	12.4	..	21.4	29	3.7	22	34	11	..	13	10	156
Mana Island	2	15.8	9.5	12.7	+0.0	19.0	28	5.7	2	67	8	..	20	8	..
Wellington Aero	4	14.8	9.3	12.1	-0.8	18.7	28	5.0	11	72	9	-22	17	8	..
Wanganui, Spriggens Pa	15	16.8	9.0	12.9	-0.4	21.1	17	4.9	12	33	9	-48	16	10	..
Takaka EWS	20	17.5	5.7	11.6	..	23.2	14	0.9	12	102	8	..	37	8	284
Reefton EWS	198	18.1	5.0	11.6	+0.2	26.2	14	-1.8	12	103	10	-104	23	17	219
Appleby 2 EWS	18	17.4	4.8	11.1	..	23.6	14	-1.0	12	10	6	..	6	17	287
Blenheim Research EWS	4	17.6	7.2	12.4	-0.5	22.7	28	1.2	12	24	8	-39	8	8	258
Christchurch Gardens	7	17.0	6.7	11.9	-0.4	27.6	25	0.1	12	23	6	-30	15	10	..
Lake Tekapo EWS	762	16.5	3.1	9.8	..	23.7	16	-3.2	11	15	8	..	6	19	272
Palmerston	21	16.1	4.4	10.3	+0.1	24.4	17	0.0	3	25	9	-29	13	17	210
Cromwell EWS	213	19.8	5.7	12.8	..	26.5	31	0.6	12	16	4	..	10	8	260
Lauder EWS	375	17.8	4.0	10.9	..	24.0	15	-2.2	20	18	6	..	6	10	..
Alexandra	150	20.4	4.2	12.3	..	27.2	31	-2.4	12	19	8	..	10	8	246
Solomon, Taro Is	3	31.1	23.9	27.5	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	30.5	23.9	27.2	..	..	..	..	..	..	..	..	..	..	..
Raoul Is	38	..	..	..	..	..	..	..	..	..	..	..	..	..	201
Late returns and corrections for September 2010															
Appleby 2 EWS	18	15.2	4.7	10.0	..	20.1	26	-0.6	1	115	19	..	24	29	173
Raoul Is	38	21.2	15.3	18.3	+1.6	23.9	11	10.0	6	73	6	-37	49	13	170
Late returns and corrections for August 2010															
Raoul Is	38	20.7	14.7	17.7	+1.4	24.0	27	10.9	12	86	13	-46	32	15	168
Late returns and corrections for July 2010															
Raoul Is	38	20.3	14.3	17.3	+0.9	22.5	17	10.5	30	129	17	-21	38	23	170
Late returns and corrections for June 2010															
Raoul Is	38	21.0	15.9	18.5	+0.9	23.7	21	11.2	11	170	15	-1	37	2	88
Late returns and corrections for May 2010															
Raoul Is	38	22.8	16.9	19.9	+0.9	25.1	18	12.8	8	158	14	+29	64	24	127
Late returns and corrections for April 2010															
Raoul Is	38	24.1	18.6	21.4	+0.7	29.2	9	15.0	21	86	17	-16	39	3	162

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.