

JANUARY 2010

Summary of the records of Temperature, Rainfall and Sunshine January 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	21.5	15.6	18.6	..	25.9	28	13.2	12	21	8	-43	9	20	..
Kaitaia Aero EWS	80	23.8	14.2	19.0	..	28.3	30	10.4	1	26	11	..	13	10	..
Kaitaia Observatory	85	24.1	13.9	19.0	..	28.4	29	9.1	10	33	13	-52	13	10	282
Kaitaia EWS	85	22.4	12.8	17.6	-1.9	26.8	29	7.8	10	32	13	..	13	10	277
Kerikeri EWS	79	25.0	13.6	19.3	+0.1	29.3	30	8.1	9	57	7	-60	25	31	..
Kerikeri Aerodrome Aw	150	24.7	13.5	19.1	..	28.9	30	9.3	10	39	13	..	15	31	..
Kaikohe AWS	204	24.3	14.1	19.2	+0.6	..	..	..	..	..	..	..	..	..	..
Trounson Cws	220	21.2	12.8	17.0	..	26.0	28	6.5	10	68	13	..	16	11	..
Dargaville 2 EWS	66	22.8	14.3	18.6	..	27.4	28	8.7	10	43	13	..	9	31	238
Purerua AWS	82	23.3	14.7	19.0	..	28.5	30	10.7	9	48	7	..	19	20	..
Whangarei Aero AWS	37	24.9	15.5	20.2	+0.2	28.0	21	10.4	10	40	14	-41	23	31	..
Warkworth EWS	72	23.2	13.6	18.4	..	27.1	30	6.4	10	64	9	-28	33	31	..
Whangaparaoa AWS	89	23.9	15.8	19.9	..	28.6	30	11.1	12	45	9	..	20	31	..
Tiri Tiri Lighthouse	76	22.0	16.7	19.4	+0.2	27.0	30	12.8	12	41	10	-26	22	31	..
Kumeu Ews, Auckland R	16	23.0	13.4	18.2	..	27.1	19	6.3	10	55	10	..	19	31	..
Whenuapai AWS	26	23.7	14.3	19.0	..	27.9	30	7.8	10	..	..	..	..	..	..
North Shore, Auckland	20	24.0	15.9	20.0	..	..	..	10.9	10	..	..	..	..	..	..
North Shore Albany Ew	64	23.3	15.2	19.3	..	27.2	30	9.1	10	44	9	..	15	31	276
Henderson, River Pk	7	25.0	14.7	19.9	+0.3	28.8	16	9.7	10	67	12	-26	19	31	..
Henderson, Auckland R	35	23.7	16.2	20.0	..	..	..	..	..	..	..	..	..	..	..
Lincoln Rd, Auckland	25	25.2	13.1	19.2	..	..	..	7.7	10	..	..	..	..	..	..
Khyber Pass, Auckland	81	23.0	15.9	19.5	..	28.2	25	11.6	12	41	11	..	9	21	..
Musick Pt Ews, Auckla	18	23.0	15.0	19.0	..	..	..	11.3	12	..	..	..	..	..	..
Onehunga, Auckland Re	5	23.5	17.0	20.3	+0.6	27.1	25	12.3	10	..	..	..	..	..	..
Waiheke Island, Awaro	34	24.3	13.7	19.0	..	28.0	28	7.0	10	38	11	-45	10	21	..
Whitianga Aero AWS	5	23.7	13.9	18.8	+0.0	26.7	15	6.8	10	81	15	-17	23	31	..
Paeroa AWS	18	25.0	13.6	19.3	-0.3	27.6	19	5.6	9	82	14	+5	42	31	..
Toenepi EWS	48	24.3	13.3	18.8	..	27.7	28	6.3	10	109	15	..	44	31	..
Matamata, Hinuera EWS	106	24.4	11.6	18.0	..	27.2	28	3.9	9	138	13	..	85	31	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	262
Tauranga Aero AWS	4	24.0	15.0	19.5	+0.3	27.5	15	9.5	12	178	12	+105	120	31	..
Te Puke EWS	91	23.5	13.2	18.4	..	27.1	1	7.2	10	75	12	-25	20	30	..
Whakatane Aero AWS	7	23.8	13.8	18.8	-0.4	27.8	24	7.2	12	132	14	+52	37	31	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	266
Kawerau AWS	42	25.6	13.8	19.7	..	28.7	28	7.9	12	..	..	..	..	..	207
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	232
Rotorua Aero AWS	283	22.6	11.8	17.2	-0.5	25.6	15	4.9	9	172	16	+82	51	21	..
Galatea AWS	174	23.5	11.8	17.7	..	28.5	1	4.4	9	124	19	..	27	21	..
Taupo Wxt AWS	385	22.0	12.4	17.2	..	25.7	1	6.1	12	142	16	..	48	21	..
Tarapounamu EWS	701	18.4	9.0	13.7	..	..	..	3.0	13	256	20	..	52	26	..
Taupo AWS	400	22.5	10.8	16.7	-0.7	25.6	14	1.4	9	107	14	..	35	21	..
Opotiki	5	..	13.8	..	..	..	..	8.2	5	205	17	+124	73	21	..
Motu EWS	488	20.9	10.4	15.7	..	25.5	1	1.4	5	232	19	..	54	30	..
Mangere EWS	5	22.7	15.4	19.1	..	26.4	19	10.0	10	51	9	..	11	31	239
Wiri, Auckland Region	18	22.9	16.1	19.5	+0.3	26.8	29	11.1	10	..	..	..	..	..	..
Pakuranga, Auckland R	15	23.9	14.6	19.3	..	..	..	8.5	10	..	..	..	..	..	..
Penrose Ews, Auckland	30	23.5	14.8	19.2	..	..	..	9.8	10	..	..	..	..	..	..
Auckland Aero	33	23.8	15.9	19.9	+0.1	27.8	29	10.5	10	44	10	-23	12	21	..
Ardmore	23	25.4	11.0	18.2	-0.6	28.5	28	5.6	11	38	12	-39	10	10	..
Pukekohe EWS	88	22.5	13.0	17.8	-0.8	26.7	19	7.4	10	92	13	..	22	20	..
Whatawhata 2 EWS	118	23.2	13.1	18.2	..	28.3	28	8.1	10	163	14	..	61	31	..
Hamilton, Ruakura 2 E	45	23.9	12.6	18.3	..	27.4	19	5.0	10	154	12	..	53	31	233
Hamilton AWS	53	23.8	12.7	18.3	+0.1	27.6	28	6.0	10	192	15	+112	78	31	..
Lake Karapiro Cws	55	23.3	13.8	18.6	..	26.8	29	8.5	9	214	19	..	73	31	..
Port Taharoa AWS	27	22.1	15.0	18.6	-0.5	27.4	20	10.5	12	95	10	..	32	21	..
Waikeria	46	24.6	11.8	18.2	-0.2	28.0	28	4.7	10	143	10	+59	51	26	..
Te Kuiti EWS	62	23.8	12.1	18.0	..	29.1	30	5.0	9	144	13	..	51	21	232
Pureora Forest Cws	549	19.9	9.7	14.8	..	23.8	30	1.6	9	153	16	..	26	21	..
Taumarunui	171	22.8	12.4	17.6	-0.7	27.1	30	5.3	9	165	18	+50	45	21	..
Taumarunui AWS	195	23.5	11.4	17.5	..	28.2	28	3.1	9	150	16	..	46	21	209
Turangi 2 EWS	350	23.0	9.8	16.4	..	26.5	1	1.7	12	114	15	..	26	21	214
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	230
New Plymouth AWS	30	21.5	13.4	17.5	-0.2	28.7	30	5.7	9	60	9	-37	27	10	..

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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		
Mt Ruapehu, Chateau E	1097	17.3	6.7	12.0	-0.4	23.0	14	-2.2	9	211	18	+2	38	3	..
Alfredton EWS	240	18.7	7.4	13.1	..	..	..	-0.3	24	195	18	..	59	22	..
Masterton Aero AWS	138	22.2	11.6	16.9	..	28.5	20	3.7	14	194	21	..	84	22	..
Kopua	311	21.2	12.1	16.7	-0.1	27.0	20	6.4	9	156	19	+87	33	31	..
Takapau Plains AWS	330	21.1	11.1	16.1	..	27.0	3	4.7	12	189	23	..	38	21	..
Dannevirke	207	21.8	12.1	17.0	-0.3	29.0	20	6.1	12	161	21	+90	49	22	191
Dannevirke EWS	207	21.8	12.5	17.2	..	28.9	20	6.5	12	154	19	..	51	22	181
Waione EWS	48	22.7	12.7	17.7	..	30.3	20	4.9	14	181	24	..	44	22	..
Cape Turnagain AWS	292	16.8	12.6	14.7	..	22.9	3	8.9	12	217	20	..	86	22	..
Castlepoint Station	9	19.8	14.1	17.0	..	24.5	3	8.5	14	303	14	+250	162	22	..
Castlepoint AWS	120	18.7	13.5	16.1	-1.8	23.4	3	8.8	12	321	16	..	160	22	..
Baring Head	79	18.5	12.8	15.7	..	26.2	30	9.0	14	..	..	..	..	..	..
Te Wharau, Brackenfe	292	20.1	10.5	15.3	..	27.0	20	4.5	14	285	19	..	107	31	..
Martinborough EWS	20	22.7	12.8	17.8	..	29.5	30	5.6	14	74	15	..	36	22	173
Ngawi AWS	6	20.8	13.8	17.3	..	28.4	30	9.6	14	72	15	..	25	31	..
Hicks Bay AWS	46	21.3	15.4	18.4	-0.2	23.2	20	10.2	5	233	16	..	65	30	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	207
Gisborne AWS	5	23.6	14.1	18.9	-0.3	30.2	2	7.1	10	171	15	+115	58	30	..
Tolaga Bay Wxt AWS	12	21.9	14.2	18.1	..	31.5	2	8.1	1	227	19	..	107	30	..
Napier Aero AWS	3	23.0	13.9	18.5	-0.3	31.6	3	7.2	9	195	14	+142	57	31	..
Napier Nelson Pk	2	23.8	14.5	19.2	-0.3	30.5	3	8.3	1	166	13	+118	60	31	227
Hastings AWS	16	24.3	13.5	18.9	..	32.6	3	7.0	1	145	15	..	55	31	..
Whakatu EWS	5	22.3	12.1	17.2	..	29.6	3	4.6	1	147	12	..	62	31	..
Waipawa EWS	130	22.3	11.8	17.1	..	29.8	3	4.4	1	188	14	..	66	22	185
Wairoa, North Clyde E	15	23.4	13.7	18.6	-0.5	31.2	3	7.4	9	281	17	+185	83	31	..
Mahia Radar Wxt AWS	419	18.8	13.5	16.2	..	..	..	..	..	357	19	..	172	31	..
Mahia AWS	136	21.9	15.5	18.7	+0.5	..	..	..	..	..	..	..	..	..	..
Cape Kidnappers Wxt A	118	19.5	15.2	17.4	..	25.1	4	11.3	1	195	16	..	112	31	..
Paraparaumu Aero	5	20.1	12.9	16.5	-0.8	25.3	20	7.6	14	45	12	-25	24	10	189
Paraparaumu Aero AWS	5	19.9	12.8	16.4	-0.7	25.2	20	7.6	14	44	11	..	23	10	212
Ohakea AWS	50	22.0	13.3	17.7	..	28.6	29	7.3	12	..	..	..	..	..	..
Palmerston North AWS	39	22.1	12.8	17.5	-0.1	28.5	30	5.6	12	71	14	+15	19	22	..
Palmerston North EWS	21	21.4	13.2	17.3	..	27.5	30	6.0	12	75	15	..	26	22	185
Levin AWS	14	21.3	13.1	17.2	-0.4	27.1	20	7.2	12	88	13	..	23	22	..
Mana Island	2	20.0	13.3	16.7	-0.7	25.2	20	8.4	12	35	16	..	13	10	..
Mana Island AWS	100	17.5	12.9	15.2	..	22.3	20	10.1	14	34	11	..	12	10	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	181
Wellington, Kelburn A	125	19.1	12.8	16.0	..	25.6	30	9.0	12	165	17	..	69	15	..
Wellington Aero	4	19.7	13.9	16.8	-1.0	26.9	30	10.7	12	73	11	+12	17	10	..
Wallaceville EWS	56	23.0	11.8	17.4	..	30.3	29	4.8	14	65	12	-19	19	3	164
Stratford EWS	300	19.3	11.0	15.2	..	24.4	29	5.0	12	103	14	..	24	10	172
Hawera AWS	98	19.4	12.5	16.0	..	26.6	20	5.8	12	58	10	..	20	10	..
Ohakune EWS	607	19.9	9.3	14.6	..	23.8	27	2.1	9	198	17	..	33	21	229
Waiouru	806	18.4	8.2	13.3	-0.8	23.7	20	-0.2	9	133	20	+47	36	22	..
Waiouru AWS	820	18.4	7.9	13.2	..	23.4	28	-0.5	9	122	20	+31	27	22	..
Wanganui,Spriggens Pa	15	21.5	13.9	17.7	-0.5	26.9	20	8.9	12	59	11	-3	20	21	..
Wanganui AWS	8	20.4	13.5	17.0	-1.1	24.5	3	8.7	6	59	12	..	13	21	..
Wanganui 2 AWS	18	21.8	13.4	17.6	..	27.9	20	7.7	12	..	..	..	..	..	..
Takaka,Kotinga 2	25	22.7	..	..	..	27.9	31	..	..	117	16	-25	42	20	..
Takaka EWS	20	22.6	12.2	17.4	..	27.9	31	6.7	11	111	10	..	41	20	234
Farewell Spit AWS	3	21.4	14.4	17.9	+0.3	26.4	30	9.3	9	93	9	..	49	20	..
Westport Aero AWS	2	20.3	12.7	16.5	+0.3	28.5	31	7.5	9	165	13	-15	49	10	..
Arapito	18	20.8	12.3	16.6	+0.2	26.2	31	7.0	9	232	16	+38	65	2	206
Arapito EWS	18	20.3	11.7	16.0	..	25.9	31	6.3	9	226	17	..	69	2	..
Murchison EWS	185	24.5	10.9	17.7	..	31.9	29	2.8	9	139	12	+13	39	21	..
Lake Rotoiti EWS	634	21.5	9.7	15.6	..	29.8	14	0.7	9	151	20	..	38	3	..
Hokitika Aero	39	19.3	12.2	15.8	+0.2	27.7	31	6.7	9	273	14	+23	70	9	198
Hokitika AWS	38	19.4	12.1	15.8	+0.2	27.9	31	6.6	9	260	14	..	65	9	..
Reefton EWS	198	23.3	11.9	17.6	+0.8	30.1	29	5.8	9	161	14	+2	32	20	186
Greymouth Aero	4	19.9	12.4	16.2	+0.3	28.0	31	7.1	9	217	11	+1	66	3	195
Greymouth Aero EWS	5	18.9	12.5	15.7	..	27.1	31	7.4	9	219	11	..	65	3	222
Mahanga EWS	1995	9.4	2.5	6.0	..	18.3	14	-4.8	9	292	18	..	58	3	..
Okarito	2	19.2	11.7	15.5	..	24.9	31	5.5	1	383	15	+29	104	9	..

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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	Hrs			
Franz Josef	155	20.6	..	..	..	27.2	31	..	..	911	..	+397	200	3	..
Franz Josef EWS	80	19.6	10.7	15.2	..	26.5	31	6.2	1	682	17	..	203	6	151
Haast AWS	5	18.6	10.9	14.8	+0.0	26.1	31	6.3	8	375	15	..	84	6	..
Milford Sound	3	19.9	11.1	15.5	+0.8	25.9	31	6.6	8	696	16	-26	179	9	..
Milford Sound AWS	3	20.9	11.1	16.0	..	27.9	31	6.0	8	682	19	..	167	9	..
Secretary Island AWS	19	17.6	11.5	14.6	..	25.3	31	7.5	9	322	18	..	60	9	..
Puysegur Point AWS	44	17.2	10.7	14.0	+0.3	23.1	17	7.3	9	230	20	+15	35	1	..
Motueka, Riwaka EWS	8	23.1	12.8	18.0	+0.5	28.1	31	6.3	11	90	8	+8	49	20	..
Maud Island	15	20.1	12.5	16.3	..	23.5	..	8.7	1	111	..	..	38	3	..
Pelorus Sd, Crail Bay	13	21.4	13.9	17.7	+0.0	26.7	29	9.9	..	106	13	-45	34	3	..
Nelson Aero	2	21.7	14.1	17.9	+0.2	27.9	31	8.3	11	95	14	+23	26	20	229
Appleby 2 EWS	18	23.2	13.3	18.3	..	29.3	31	7.5	11	111	11	..	57	20	223
Nelson AWS	4	22.6	14.1	18.4	+0.6	28.3	31	8.2	11	97	12	..	23	20	..
Blenheim Research EWS	4	23.6	13.3	18.5	+0.5	32.4	1	9.1	12	41	6	-7	24	10	221
Wairau Valley, Mill R	172	23.7	12.4	18.1	..	31.6	1	7.9	9	131	14	..	38	10	..
Blenheim Aero AWS	35	24.2	12.4	18.3	+0.4	34.3	1	8.0	1	61	6	+8	23	10	..
Brothers Island AWS	68	17.8	13.5	15.7	..	21.3	4	10.9	11	35	13	..	14	23	..
Awatere Valley, Dashw	83	23.5	12.6	18.1	..	31.3	1	7.6	1	32	9	..	14	10	..
Grassmere Salt Works	2	22.9	14.7	18.8	+0.8	29.7	2	10.3	11	30	6	-7	14	21	..
Cape Campbell AWS	2	18.5	13.6	16.1	..	21.4	4	10.0	11	25	6	..	15	10	..
Boyle River Lodge	600	21.3	8.9	15.1	..	29.3	29	3.5	9	266	19	..	66	9	..
Hanmer Forest EWS	363	21.8	8.6	15.2	-0.7	29.1	30	0.2	9	73	11	+4	24	22	..
Kaikoura AWS	105	19.4	12.4	15.9	-0.7	28.9	2	7.8	9	20	10	-26	7	22	..
Arthurs Pass	738	18.2	8.2	13.2	+0.4	25.0	29	3.5	..	422	..	+11	118	3	..
Arthurs Pass EWS	738	17.7	7.8	12.8	..	24.8	29	3.0	8	567	13	..	115	3	..
Culverden AWS	181	21.5	11.1	16.3	..	28.3	30	5.4	9	36	20	..	8	22	..
Waiau School Cws	136	23.0	11.6	17.3	..	30.4	30	5.0	9	83	13	..	24	22	..
Cheviot EWS	75	22.4	10.5	16.5	..	31.5	30	5.1	9	26	13	..	6	22	181
Mt Cook EWS	765	20.6	7.8	14.2	-0.4	26.8	29	1.0	8	599	15	+188	147	6	136
Craigieburn Forest	914	19.6	6.4	13.0	-0.7	28.2	1	0.7	9	237	19	+135	59	10	..
Snowdon EWS	560	20.1	9.2	14.7	..	28.3	30	3.6	9	135	17	..	30	22	..
Methven Cws	313	20.7	10.6	15.7	..	29.5	2	6.0	9	103	19	..	39	22	..
Winchmore EWS	160	21.5	10.4	16.0	-0.4	31.4	1	5.3	11	74	14	+19	29	22	..
Peel Forest	286	20.1	9.8	15.0	-0.5	31.0	1	3.2	11	148	21	+47	27	10	..
Ashburton Council	101	22.0	10.1	16.1	-1.1	34.5	1	3.5	18	69	15	+14	27	22	..
Ashburton Aero AWS	89	21.0	10.4	15.7	..	33.2	1	4.0	11	64	14	..	23	22	179
Waipara West EWS	130	22.1	11.5	16.8	..	31.1	2	6.6	9	24	9	..	7	8	199
Rangiora EWS	23	21.7	11.9	16.8	+0.1	32.5	1	5.3	1	25	7	..	8	22	144
Darfield EWS	190	21.4	10.9	16.2	..	32.5	1	6.0	11	84	12	..	29	22	..
Christchurch Aero	37	21.5	11.7	16.6	-0.5	32.8	2	5.8	11	33	9	-10	16	22	174
Christchurch Gardens	7	21.2	11.9	16.6	-0.8	32.1	2	6.7	11	54	9	+12	23	22	..
Christchurch, Kyle St	6	21.6	12.5	17.1	..	33.8	2	7.0	11	53	9	..	27	22	..
New Brighton Pier AWS	12	18.5	12.7	15.6	..	30.7	2	8.4	11	..	..	..	..	..	..
Lincoln, Broadfield E	18	20.8	11.4	16.1	-0.6	31.2	2	5.2	11	49	9	..	20	22	..
Sugar Loaf AWS	618	18.3	9.4	13.9	..	27.4	2	5.2	9	..	..	..	..	..	..
Lyttelton Harbour	5	20.2	13.2	16.7	..	27.7	2	9.2	11	30	8	..	13	11	..
Leeston, Harts Creek	12	20.8	11.4	16.1	..	32.1	1	4.9	11	45	8	..	22	22	..
Akaroa EWS	45	21.4	11.2	16.3	..	29.4	1	7.7	9	78	8	..	28	11	204
Le Bons Bay AWS	236	18.3	11.0	14.7	-0.6	28.7	2	7.3	11	29	13	..	17	11	..
Lake Tekapo, Air Safa	762	20.5	8.5	14.5	-0.7	28.6	1	2.8	11	95	14	+54	35	6	..
Lake Tekapo EWS	762	21.0	8.7	14.9	..	28.6	1	2.9	11	90	11	..	33	6	193
Fairlie AWS	403	18.8	9.9	14.4	..	30.7	1	4.9	9	139	15	..	31	6	..
Pukaki Aerodrome AWS	473	23.1	9.1	16.1	..	29.9	29	0.9	5	85	16	..	24	18	..
Hakataramea Valley Cw	355	21.2	9.3	15.3	..	29.6	1	1.4	5	25	6	..	17	10	..
Woodbury	195	20.8	10.7	15.8	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	20.8	11.0	15.9	-0.4	34.1	1	4.3	11	53	16	-12	15	10	..
Orari Estate Cws	81	19.9	10.9	15.4	..	32.6	1	4.4	11	54	17	..	14	10	..
Timaru Aero AWS	26	20.5	11.0	15.8	+0.0	34.1	1	3.1	11	37	12	-14	15	10	..
Timaru EWS	17	18.9	11.8	15.4	..	34.0	1	5.0	11	33	14	..	12	10	..
Waimate Cws	55	19.7	11.0	15.4	..	33.2	1	5.6	11	23	9	..	19	10	..
Oamaru Airport AWS	30	18.5	10.7	14.6	..	31.5	1	5.0	1	18	9	..	9	10	..
Albert Burn	1280	15.4	5.6	10.5	..	..	..	..	..	..	..	..	..	..	..
Eglinton, Knobs Flat	365	20.0	9.2	14.6	..	26.0	29	2.3	5	208	17	..	34	1	..

Summary of the records of Temperature, Rainfall and Sunshine January 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		
Tara Hills AWS	488	23.3	9.3	16.3	+0.1	30.1	29	1.7	5	63	13	+19	12	6	..
Wanaka Aero AWS	352	23.1	11.0	17.1	..	29.2	29	5.1	5	63	11	..	14	6	..
Windsor EWS	81	21.0	9.6	15.3	..	31.9	1	2.6	5	15	7	..	11	10	..
Ranfurlly EWS	450	21.9	8.3	15.1	..	29.8	29	0.4	5	41	10	..	14	10	..
Oamaru AWS	40	18.8	10.3	14.6	..	32.5	1	..	..	27	13	..	14	10	..
Rock And Pillar	270	20.3	9.0	14.7	..	27.8	3	3.1	9	..	..	..	..	..	..
Palmerston	21	19.1	9.7	14.4	-0.5	31.0	1	3.0	9	28	15	-27	13	10	137
Middlemarch EWS	213	21.4	8.9	15.2	..	29.0	3	3.1	9	38	10	..	18	7	160
Swampy Summit AWS	722	14.2	6.2	10.2	..	24.9	1	0.6	9	..	..	..	..	..	..
Dunedin Aero AWS	1	20.0	8.6	14.3	-0.7	28.5	1	3.1	9	53	15	-17	10	7	..
Dunedin, Musselburgh	4	17.6	11.1	14.4	-0.8	28.7	1	5.8	9	69	17	-3	23	7	171
Takahe Valley Cws	895	15.7	6.7	11.2	..	22.8	17	0.3	8	195	18	..	40	1	..
Manapouri, West Arm J	178	21.5	11.5	16.5	..	30.4	17	6.6	8	313	19	..	81	9	..
Manapouri Aero AWS	209	20.2	9.8	15.0	..	28.1	17	4.5	31	108	12	..	26	9	..
Queenstown	329	22.9	11.1	17.0	+0.3	30.5	29	5.5	8	86	17	+8	13	1	215
Queenstown Aero AWS	354	21.3	10.1	15.7	+0.1	28.0	29	5.5	8	83	15	+20	17	17	..
Lumsden AWS	187	19.6	9.1	14.4	-0.3	27.1	29	1.5	5	140	19	..	53	21	..
Cromwell EWS	213	24.3	12.1	18.2	..	31.4	29	4.7	5	83	11	..	48	21	214
Lauder EWS	375	22.0	9.3	15.7	..	29.0	29	1.2	5	72	16	..	32	21	..
Ophir 2	305	22.6	8.3	15.5	..	29.7	29	-0.3	5	61	9	..	40	21	..
Alexandra	150	24.6	10.8	17.7	..	32.3	29	3.2	5	61	12	..	34	21	206
Clyde EWS	171	22.9	10.3	16.6	-0.5	31.0	29	2.7	5	53	11	..	26	21	..
Alexandra Cws	140	23.3	11.4	17.4	..	31.7	29	3.5	5	76	16	..	39	21	..
Ettrick No.2	91	21.7	9.2	15.5	-0.6	29.4	29	3.0	5	87	10	..	56	21	..
Tapanui	180	20.1	8.1	14.1	-0.4	28.2	29	..	..	120	19	+27	43	21	..
Waitutu Cws	30	18.6	9.7	14.2	..	25.7	17	4.9	31	236	20	..	46	9	..
Winton	44	19.6	9.6	14.6	+0.1	26.5	29	4.6	31	132	17	+30	34	9	180
Gore AWS	123	17.9	9.0	13.5	-0.8	25.8	29	4.2	9	121	20	+15	25	9	..
Thornbury	20	..	..	..	..	26.2	..	4.2	..	137	..	..	..	..	..
Invercargill Aero		18.3	9.9	14.1	+0.1	24.3	20	6.1	9	124	17	+10	30	7	210
Invercargill Aero AWS	1	18.5	9.8	14.2	..	24.2	17	5.7	31	118	16	..	27	7	..
Invercargill Aero 2 E		..	..	..	..	..	..	..	..	119	17	..	28	7	191
Tiwai Point EWS	5	16.8	10.7	13.8	-0.5	23.6	17	7.3	9	150	17	+38	45	9	..
Balclutha, Telford Ew	11	17.7	9.4	13.6	..	23.9	1	3.6	9	96	14	..	25	13	199
Nugget Point AWS	129	16.0	9.6	12.8	-1.1	23.2	1	5.6	8	88	18	..	24	9	..
Tautuku	25	17.2	9.5	13.4	-0.5	25.0	13	4.5	9	150	17	+19	28	7	..
South West Cape AWS	101	15.4	9.5	12.5	..	21.7	20	6.4	9	89	19	..	23	6	..
Solomon, Taro Is	3	31.8	24.7	28.3	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	..	24.3	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	24.3	..	..	..	..	..	..	390	25	..	68	20	..
Solomon, Honiara	56	31.5	24.5	28.0	..	..	..	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.4	23.2	27.3	..	..	..	..	..	..	..	..	..	..	..
Solomon, Santa Cruz	24	31.5	24.3	27.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	31.2	23.9	27.6	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	..	23.0	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	31.6	..	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	31.8	20.7	26.3	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	30.7	21.5	26.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	..	21.9	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	29.7	23.6	26.7	..	32.4	20	21.3	29	..	..	..	..	..	..
New Cal, Ouanaham	29	28.6	22.4	25.5	..	..	..	..	..	..	..	..	..	..	..
New Cal, Poinoimie	13	28.2	22.9	25.6	..	30.7	20	20.2	28	318	27	..	65	11	..
New Cal, La Roche	42	28.8	20.9	24.9	..	..	..	..	..	36	18	..	10	10	..
New Cal, La Tontouta	14	31.7	21.2	26.5	..	36.7	20	18.3	28	43	13	..	12	3	..
New Cal, Nouma	72	28.6	22.8	25.7	..	34.2	20	20.9	16	133	14	..	71	8	..
New Cal, Moue	97	28.1	21.5	24.8	..	30.6	20	17.7	16	21	11	..	7	7	..
New Cal, Matthew	27	26.8	24.1	25.5	..	30.4	20	22.4	6	..	..	..	..	..	..
Kiribati,Tarawa	2	30.9	25.3	28.1	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	31.1	24.7	27.9	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.0	24.9	28.0	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	32.0	26.6	29.3	..	..	..	23.0	30	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	32.4	26.1	29.3	..	..	..	25.0	3	..	..	..	..	..	..
Fiji,Rotuma	26	30.5	25.4	28.0	..	..	..	23.5	6	..	..	..	..	..	..

Summary of the records of Temperature, Rainfall and Sunshine January 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		
Fiji, Nambowalu	36	30.0	24.8	27.4	..	..	..	..	..	..	..	..	..	..	
Fiji,Nadi Aero	15	31.5	23.8	27.7	..	33.8	13	..	..	..	..	..	..	..	
Fiji,Nausori Aero	6	30.4	22.9	26.7	..	..	..	0.0	14	..	..	..	..	..	
Fiji, Vunisea	33	29.8	24.1	27.0	..	..	..	21.5	15	..	..	..	..	..	
Kiribati, Kanton Isl	2	..	25.6	..	..	..	..	..	..	..	..	..	..	..	
Wallis Island, Hihifo	27	31.5	25.6	28.6	..	32.4	13	24.2	11	..	..	..	..	..	
Maopoopo, Futuna Isla	36	31.6	25.8	28.7	..	..	..	..	..	..	..	..	..	..	
Samoa,Faleolo	4	31.1	24.8	28.0	..	..	..	..	..	..	..	..	..	..	
Samoa, Apia	1	30.8	25.3	28.1	..	..	..	..	..	..	..	..	..	..	
Samoa, Pago Pago Aero	3	31.9	27.0	29.5	..	..	..	25.2	6	717	29	..	158	26	
Tonga, Queen Lavinia	60	..	25.0	..	..	..	..	..	..	..	..	..	..	..	
Tonga, Lupepauu	67	29.8	23.2	26.5	..	..	..	..	..	..	..	..	..	..	
Salote Pilolevu Airpo	2	30.5	24.8	27.7	..	..	..	..	..	..	..	..	..	..	
Tonga,Fuaamotu Aero	38	29.8	22.6	26.2	..	..	..	..	..	..	..	..	..	..	
Niue, Hanan Airport	59	29.7	24.6	27.2	..	..	..	..	..	..	..	..	..	..	
CI Rarotonga Aero	7	29.3	24.6	27.0	..	..	..	..	..	..	..	..	..	..	
Rarotonga EWS	4	29.3	24.6	27.0	..	31.9	2	21.6	29	145	16	..	43	28	
Hiva Hoa, Atuona	51	32.4	23.9	28.2	..	34.0	27	22.0	3	..	..	..	..	..	
Tahiti - Faa	1	31.5	26.1	28.8	..	33.9	1	24.2	25	386	18	..	88	7	
Tuamotu, Hao	3	29.2	25.4	27.3	..	..	..	..	..	..	..	..	..	..	
Tuamotu, Hereheretue	3	..	24.7	..	..	..	..	..	..	..	..	..	..	..	
Gambier, Rikitea	91	26.9	22.6	24.8	..	29.3	13	20.6	27	436	28	..	62	31	
Tubuai	2	27.7	23.3	25.5	..	28.9	22	..	..	..	..	..	..	..	
Rapa	1	25.0	21.9	23.5	..	27.4	23	18.2	16	83	17	..	28	22	
Pitcairn Is	264	25.7	20.4	23.1	..	27.5	24	19.1	29	315	..	..	96	14	
Raoul Island AWS	49	25.3	19.0	22.2	..	27.0	12	14.2	15	53	13	..	18	29	
Enderby Is AWS	40	11.9	7.9	9.9	..	13.7	31	4.8	3	66	19	..	18	3	
Campbell Island AWS	19	12.0	7.2	9.6	+0.0	15.7	19	-0.2	9	77	21	-35	26	1	
Chatham Islands AWS	48	17.5	12.9	15.2	+0.5	21.8	31	4.7	10	63	16	+10	26	11	
Chatham Island EWS	14	18.9	13.0	16.0	..	21.6	24	2.1	10	48	9	..	23	11	
Georg Von Neumayer	40	-0.7	-5.7	-3.2	..	1.4	18	-12.3	31	..	..	..	..	..	
Halley Bay	30	-1.1	-7.2	-4.2	..	2.5	2	-13.7	31	..	..	..	..	..	
Gen Belgrano 2	32	1.9	-4.9	-1.5	..	..	..	..	..	..	..	..	..	..	
Base Jubany	4	2.8	-0.6	1.1	..	..	..	..	..	..	..	..	..	..	
Dinamet	10	2.3	-0.2	1.1	..	..	..	..	..	..	..	..	..	..	
V C Marambio	198	-0.1	-4.2	-2.2	..	4.0	16	-7.0	11	..	..	..	..	..	
Eduardo Frei	10	1.3	-1.0	0.2	..	..	..	..	..	..	..	..	..	..	
Arturo Prat	14	1.4	-0.8	0.3	..	..	..	..	..	..	..	..	..	..	
Bernado Ohiggins	10	1.0	-0.9	0.1	..	..	..	..	..	..	..	..	..	..	
Palmer Station	8	4.2	0.3	2.3	..	6.8	7	-2.2	2	..	..	..	..	..	
Rothera Point	16	3.1	-0.1	1.5	..	5.6	23	-1.4	2	..	..	..	..	..	
King Sejong	11	2.3	-0.5	0.9	..	..	..	..	..	..	..	..	..	..	
Novolax Arevskaja	99	2.8	-1.8	0.5	..	..	..	-10.9	3	..	..	..	..	..	
Mawson	16	3.8	-2.5	0.7	..	6.3	7	-5.1	1	..	..	..	..	..	
Davis	13	5.1	-0.1	2.5	..	..	..	..	..	..	..	..	..	..	
Progress	64	4.0	0.0	2.0	..	6.9	21	..	..	..	..	..	..	..	
Vostok	3420	-26.4	-33.9	-30.2	..	-21.1	18	..	..	..	..	..	..	..	
Casey	41	4.0	-1.5	1.3	..	6.7	30	-5.1	27	..	..	..	..	..	
Wilkins Runway East	755	-1.7	-6.6	-4.2	..	..	..	..	..	..	..	..	..	..	
Durmout Durville	43	3.0	-0.9	1.1	..	7.7	23	-4.7	1	..	..	..	..	..	
Mcmurdo	24	0.2	-5.5	-2.7	..	4.2	21	-13.3	29	..	..	..	..	..	
Ant Scott Base	16	-2.1	-8.4	-5.3	..	2.2	22	-15.1	29	..	..	..	..	..	
Ant Arrival Heights E	185	-1.8	-7.9	-4.9	..	2.8	21	-15.9	29	..	..	..	..	..	
Ant Scott Base EWS	16	-2.4	-8.6	-5.5	..	1.8	22	-15.1	29	..	..	..	..	..	
Darwin Airport	31	31.0	18.6	24.8	..	33.5	16	13.7	15	629	25	..	86	12	
Hobart Airport	4	26.8	12.2	19.5	..	36.0	11	7.2	27	8	7	..	5	17	

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 December 2009															
North Shore, Auckland	20	21.5	12.4	17.0	..	..	..	..	..	..	..	..	..	..	
Lincoln Rd, Auckland	25	23.9	11.2	17.6	..	28.3	10	7.1	16	..	..	..	..	..	
Musick Pt Ews, Auckla	18	21.8	13.7	17.8	..	24.8	25	..	..	..	..	..	..	..	
Pakuranga, Auckland R	15	22.4	13.0	17.7	..	25.8	25	7.3	16	..	..	..	..	..	
Penrose Ews, Auckland	30	22.0	13.4	17.7	..	25.9	1	8.8	6	..	..	..	..	..	
Pukekohe EWS	88	20.7	11.4	16.1	-0.9	24.8	10	5.8	16	104	13	..	49	4	
New Plymouth Aero	27	19.5	12.1	15.8	..	22.0	26	..	..	..	..	..	..	219	
Castlepoint AWS	120	19.4	12.3	15.9	-0.7	24.6	10	6.7	16	51	11	..	19	20	
Gisborne Aero	4	23.2	13.0	18.1	..	30.0	9	..	..	..	..	..	..	260	
Tolaga Bay Wxt AWS	12	21.1	12.8	17.0	..	..	..	..	..	63	12	..	50	2	
Paraparaumu Aero	5	18.6	12.3	15.5	-0.4	22.0	28	4.5	22	106	18	+21	27	28	
Hokitika Aero	39	17.3	10.5	13.9	-0.4	22.6	3	4.5	15	334	18	+56	60	9	
Nelson Aero	2	20.6	11.4	16.0	-0.2	25.5	18	6.4	15	44	10	-32	11	28	
Awatere Valley, Dashw	83	22.2	11.1	16.7	..	29.4	26	3.6	31	26	9	..	13	2	
Craigieburn Forest	914	18.1	4.4	11.3	-0.7	26.5	29	-0.9	4	147	19	+23	24	11	
Eglinton, Knobs Flat	365	17.8	6.7	12.3	..	24.2	4	-1.5	21	235	14	..	63	8	
Thornbury	20	19.4	6.9	13.2	..	24.8	18	0.4	4	134	..	..	25	7	
Invercargill Aero		16.7	7.6	12.2	-0.8	23.2	18	2.1	1	119	19	+19	30	7	
Balclutha, Finegand	6	18.1	..	..	..	26.5	25	..	..	80	20	+14	20	26	
Pitcairn Is	264	23.4	18.7	21.1	..	25.8	28	16.5	9	169	..	..	69	14	
Late returns and corrections for November 2009															
North Shore, Auckland	20	18.0	10.3	14.2	..	21.7	24	6.3	7	..	..	..	..	..	
Lincoln Rd, Auckland	25	20.9	10.3	15.6	..	24.1	24	4.9	7	..	..	..	..	..	
Musick Pt Ews, Auckla	18	19.0	11.6	15.3	..	..	..	..	..	..	..	..	..	..	
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	..	..	..	..	..	
Awatere Valley, Dashw	83	19.6	8.3	14.0	..	24.8	20	1.2	12	35	7	..	14	17	
Culverden AWS	181	18.8	6.8	12.8	..	..	..	..	..	16	14	..	7	30	
Pitcairn Is	264	23.4	17.5	20.5	..	25.7	..	15.9	5	72	..	..	23	19	
Late returns and corrections for October 2009															
Otamatuna, Te Mapou H	624	13.3	3.9	8.6	..	17.2	26	-1.3	7	193	20	..	74	4	
Awatere Valley, Dashw	83	15.8	4.9	10.4	..	22.3	28	-0.5	19	85	11	..	26	8	
Pitcairn Is	264	21.5	15.6	18.6	..	23.8	..	..	..	147	..	..	54	18	
Late returns and corrections for September 2009															
Otamatuna, Te Mapou H	624	12.8	4.6	8.7	..	18.4	17	-1.1	6	136	17	..	42	24	
Awatere Valley, Dashw	83	15.4	4.5	10.0	..	20.3	14	-3.6	6	53	7	..	36	24	
Pitcairn Is	264	21.0	15.8	18.4	..	24.0	22	12.5	..	17	6	..	7	2	
Late returns and corrections for August 2009															
Otamatuna, Te Mapou H	624	10.8	4.0	7.4	..	13.6	26	-1.9	9	157	15	..	75	30	

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.