

JANUARY 2009

Summary of the records of Temperature, Rainfall and Sunshine January 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	°C				Max	Date	
	Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	mm	Hrs	
Cape Reinga AWS	214	22.6	16.1	19.4	..	24.6	12	14.3	4	11	4	-53	5	17	..
Kaitaia Aero EWS	80	24.2	14.6	19.4	..	26.2	1	11.8	6	15	8	..	7	17	..
Kaitaia Observatory	85	24.5	14.5	19.5	..	27.5	25	10.9	24	20	7	-65	9	11	281
Kaitaia EWS	85	23.3	13.7	18.5	-1.0	26.6	25	9.8	24	18	5	..	8	11	281
Kerikeri EWS	79	24.9	13.9	19.4	+0.2	29.1	2	10.1	5	60	7	-57	35	14	..
Kaikohe AWS	204	24.3	14.4	19.4	+0.8	28.4	1	10.2	5	29	10	-75	10	14	..
Dargaville 2 EWS	66	22.9	14.5	18.7	..	26.8	8	9.4	5	33	6	..	21	10	263
Purerua AWS	82	23.1	14.9	19.0	..	27.3	31	11.4	5	16	4	..	11	10	..
Whangarei Aero AWS	37	25.1	15.5	20.3	+0.3	30.7	2	11.3	5	12	6	-69	6	10	..
Mokohinau AWS	60	23.2	17.9	20.6	..	25.2	15	15.9	19	16	7	-37	6	3	..
Warkworth EWS	72	23.6	13.2	18.4	..	26.6	1	7.4	5	16	9	-76	7	3	..
Whangaparaoa AWS	89	24.2	15.9	20.1	..	27.2	25	13.2	20	11	6	..	3	3	..
Tiri Tiri Lighthouse	76	22.7	17.1	19.9	+0.7	25.9	3	14.6	19	10	10	-57	3	10	..
Arc Kumeu EWS	16	23.6	13.3	18.5	..	26.4	8	7.8	5	28	7	..	7	10	..
Whenuapai AWS	26	24.1	13.9	19.0	..	27.3	25	8.5	5	..	..	..	..	..	..
Henderson, River Pk	7	25.7	14.0	19.9	+0.3	28.7	24	8.9	5	36	12	-57	8	10	..
Henderson, Auckland R	35	22.5	14.2	18.4	..	25.7	25	9.4	5	..	..	..	..	..	..
Khyber Pass, Auckland	81	23.8	16.6	20.2	..	27.3	1	14.3	5	33	10	..	11	10	..
Musick Pt Ews, Auckla	18	23.8	14.9	19.4	..	27.6	24	12.2	15	..	..	..	..	..	..
Onehunga, Auckland Re	5	23.1	16.6	19.9	+0.2	26.6	8	13.5	5	..	..	..	..	..	..
Waiheke Island, Awaro	34	24.4	13.6	19.0	..	27.3	25	9.4	22	29	..	-54	9	10	..
Whitianga Aero AWS	5	24.8	14.2	19.5	+0.7	29.6	25	9.7	5	35	11	-63	11	10	..
Paeroa AWS	18	26.1	13.1	19.6	+0.0	29.8	24	8.5	21	37	8	-40	11	13	..
Toenepi EWS	48	25.3	12.8	19.1	..	29.3	24	8.0	21	56	11	..	25	13	..
Matamata, Hinuera EWS	106	25.3	11.1	18.2	..	29.6	25	5.8	21	47	9	..	13	10	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	324
Tauranga Aero AWS	4	25.5	15.1	20.3	+1.1	30.3	31	10.9	4	40	6	-33	14	10	..
Te Puke EWS	91	24.8	12.9	18.9	..	29.7	31	4.4	21	32	7	-68	17	14	..
Whakatane Aero AWS	7	24.4	13.9	19.2	+0.0	29.4	27	9.2	15	31	4	-49	18	3	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	326
White Island	310	23.3	16.1	19.7	..	26.0	12	13.0	4	..	..	..	..	..	..
Kawerau	42	27.4	13.8	20.6	..	32.0	31	9.0	4	..	..	..	..	..	..
Rotorua Aero 2	281	..	..	..	..	..	..	..	..	..	..	..	..	..	296
Rotorua Aero AWS	283	24.1	12.2	18.2	+0.5	28.2	31	8.5	4	28	5	-62	21	14	..
Tarapounamu EWS	701	20.3	9.2	14.8	..	26.8	31	4.7	4	35	6	..	15	11	..
Taupo AWS	400	23.9	10.9	17.4	+0.0	28.9	24	3.4	4	15	8	..	8	3	..
Opotiki	5	24.4	13.7	19.1	+0.4	28.0	12	8.4	20	26	9	-55	10	3	..
Motu EWS	488	21.0	9.6	15.3	..	27.5	31	2.6	4	61	9	..	17	3	..
Mangere EWS	5	22.7	15.3	19.0	..	25.6	8	11.0	5	38	10	..	19	10	267
Wiri, Auckland Region	18	22.8	15.4	19.1	-0.1	25.6	3	11.4	7	..	..	..	..	..	..
Pakuranga, Auckland R	15	24.2	13.9	19.1	..	27.0	3	9.5	5	..	..	..	..	..	..
Penrose EWS	30	25.4	16.4	20.9	..	28.3	1	12.5	7	..	..	..	..	..	..
Auckland Aero	33	23.5	15.8	19.7	-0.1	26.7	3	12.2	22	32	9	-35	11	10	..
Ardmore	23	26.4	10.6	18.5	-0.3	28.0	2	7.8	5	28	8	-49	12	2	..
Pukekohe EWS	88	23.4	12.9	18.2	-0.4	27.4	8	8.8	5	36	11	..	9	17	..
Whatawhata 2 EWS	118	23.7	12.6	18.2	..	29.3	8	8.8	15	18	10	..	10	10	..
Ruakura 2 EWS	45	24.5	11.8	18.2	..	28.8	8	7.2	21	45	9	..	22	10	284
Hamilton AWS	53	24.6	11.6	18.1	-0.1	28.8	8	7.6	21	33	10	-47	10	10	..
Port Taharoa AWS	27	22.8	15.1	19.0	-0.1	26.9	9	11.2	6	40	6	..	20	10	..
Waikeria	46	25.1	11.6	18.4	+0.0	29.0	8	7.0	21	23	4	-61	16	10	..
Te Kuiti EWS	62	25.2	11.8	18.5	..	29.9	25	7.4	4	45	8	..	16	10	276
Taumarunui	171	23.9	11.6	17.8	-0.5	29.1	8	7.5	21	66	14	-49	16	17	..
Taumarunui AWS	195	25.3	10.5	17.9	..	29.7	24	4.7	21	67	13	..	15	3	292
Turangi 2 EWS	350	24.4	9.9	17.2	..	31.4	31	2.6	21	25	8	..	5	2	296
New Plymouth Aero	27	..	..	..	..	..	..	..	..	..	..	..	..	..	279
New Plymouth AWS	30	22.3	12.9	17.6	-0.1	24.8	14	7.2	29	58	9	-39	14	17	..
Lower Retaruke	219	24.8	10.6	17.7	+0.1	29.8	8	6.0	29	77	7	-30	41	3	..
Mt Ruapehu, Chateau E	1097	19.0	6.6	12.8	+0.4	26.1	31	0.2	4	129	12	-80	48	3	..
Alfredton EWS	240	23.1	12.4	17.8	..	29.7	8	5.0	14	39	10	..	16	10	..
Kopua	311	24.0	11.6	17.8	+1.0	32.1	8	6.2	29	44	7	-25	25	10	..
Takapau Plains AWS	330	23.4	10.7	17.1	..	32.8	8	5.1	29	53	8	..	28	10	..
Dannevirke	207	23.7	11.8	17.8	+0.5	29.0	8	6.8	29	51	10	-20	22	10	271
Dannevirke EWS	207	21.9	10.5	16.2	..	27.2	8	5.5	29	49	10	..	21	10	276

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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		
Waione EWS	48	26.8	12.0	19.4	..	37.2	8	5.1	29	22	8	..	9	20	..
Castlepoint Station	9	23.2	15.2	19.2	..	30.9	31	8.7	29	19	5	-34	10	10	..
Castlepoint AWS	120	22.1	15.1	18.6	+0.7	29.4	31	11.2	21	21	7	..	10	10	..
Baring Head	79	20.1	14.5	17.3	..	25.9	8	10.4	4	14	3	..	14	17	..
East Taratahi AWS	91	26.1	10.6	18.4	+0.9	34.6	8	5.6	29	20	9	..	6	10	..
Te Wharau, Brackenfie	292	23.7	10.9	17.3	..	31.8	8	5.5	29	20	9	..	5	11	..
Martinborough EWS	20	24.8	11.0	17.9	..	33.3	31	4.5	14	4	5	..	3	17	280
Ngawi AWS	6	23.4	15.2	19.3	..	29.7	31	11.4	21	15	5	..	6	3	..
Hicks Bay AWS	46	22.8	15.6	19.2	+0.6	25.2	1	11.6	22	12	5	..	8	3	..
Gisborne Aero	4	..	..	..	..	..	..	..	..	..	..	..	..	..	294
Gisborne AWS	5	25.4	14.1	19.8	+0.6	34.0	8	7.9	29	96	9	+40	41	10	..
Napier Aero AWS	3	24.8	13.9	19.4	+0.6	33.8	9	8.1	29	11	5	-42	6	13	..
Napier Nelson Pk	2	25.5	14.6	20.1	+0.6	32.7	9	9.5	29	6	3	-42	4	13	294
Hastings AWS	16	26.2	13.5	19.9	..	32.8	31	8.3	29	5	5	..	2	13	..
Whakatu EWS	5	24.6	12.2	18.4	..	30.7	2	7.2	29	2	3	..	1	13	..
Waipawa EWS	130	25.9	11.2	18.6	..	32.6	8	5.7	29	30	6	..	25	10	297
Wairoa, North Clyde E	15	25.9	13.5	19.7	+0.6	33.2	8	8.0	29	42	7	-54	22	11	..
Mahia AWS	136	22.3	15.4	18.9	+0.7	28.7	2	11.4	29	55	8	..	38	11	..
Paraparaumu Aero	5	21.4	14.4	17.9	+0.6	23.6	2	8.5	13	34	8	-36	16	2	245
Paraparaumu Aero AWS	5	20.9	14.4	17.7	+0.6	23.2	2	8.1	13	31	7	..	14	2	..
Palmerston North AWS	39	23.4	12.2	17.8	+0.2	27.0	8	7.6	15	39	8	-17	11	10	..
Palmerston North EWS	21	22.6	12.8	17.7	..	26.0	2	7.2	29	37	8	..	9	10	224
Levin AWS	14	21.5	13.3	17.4	-0.2	24.5	31	7.6	14	58	7	..	16	10	..
Mana Island	2	21.2	15.0	18.1	+0.7	24.0	26	9.6	4	46	6	..	21	18	..
Mana Island AWS	100	18.2	14.0	16.1	..	20.0	26	10.5	4	26	6	..	18	17	..
Wellington, Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	255
Wellington, Kelburn A	125	20.4	14.1	17.3	..	25.9	31	10.0	4	37	9	..	19	17	..
Wellington Aero	4	21.7	15.3	18.5	+0.7	27.3	31	10.6	4	15	4	-46	10	17	..
Wallaceville EWS	56	23.1	11.7	17.4	..	30.2	31	5.6	14	28	6	-56	11	17	224
Stratford EWS	300	20.5	10.7	15.6	..	25.8	8	6.7	5	70	8	..	28	17	250
Hawera AWS	98	20.7	12.3	16.5	..	25.6	2	6.9	29	44	9	..	18	17	..
Ohakune EWS	607	21.9	9.3	15.6	..	30.0	8	2.4	29	83	8	..	31	3	318
Waiouru	806	20.1	8.4	14.3	+0.2	28.0	8	2.6	21	78	5	-8	35	10	..
Waiouru AWS	820	20.3	8.0	14.2	..	28.2	8	2.3	28	68	7	-24	27	10	..
Taihape Rec	433	23.9	..	..	..	31.0	8	..	..	54	7	-17	33	10	..
Wanganui, Spriggens Pa	15	22.2	13.8	18.0	-0.2	28.6	2	10.1	28	61	7	-1	18	2	..
Wanganui AWS	8	21.6	13.6	17.6	-0.5	27.1	2	9.6	28	54	8	..	15	10	..
Wanganui 2 AWS	18	22.7	13.2	18.0	..	29.0	2	9.0	15	..	..	..	..	..	..
Takaka, Kotinga 2	25	24.5	12.6	18.6	+1.7	30.3	23	6.5	4	10	4	-132	8	17	..
Takaka EWS	20	24.5	11.1	17.8	..	30.5	23	6.8	4	9	2	..	7	17	286
Farewell Spit AWS	3	22.5	14.2	18.4	+0.8	27.9	31	11.8	4	37	5	..	12	1	..
Westport Aero AWS	4	20.6	12.5	16.6	+0.4	23.1	26	8.9	28	99	21	-81	21	17	..
Arapito	18	21.6	12.2	16.9	+0.5	26.1	8	8.4	21	85	10	-109	30	18	258
Arapito EWS	18	21.2	11.5	16.4	..	25.9	8	7.7	21	78	11	..	29	18	..
Murchison EWS	185	25.4	9.8	17.6	..	32.8	8	4.0	28	46	8	-80	17	2	..
Lake Rotoiti EWS	634	23.5	7.6	15.6	..	31.0	26	1.8	4	33	9	..	14	17	..
Hokitika Aero	39	19.4	12.3	15.9	+0.3	21.8	26	7.4	28	117	11	-133	34	2	237
Hokitika AWS	38	19.5	12.1	15.8	+0.2	22.0	8	7.2	28	118	11	..	32	2	..
Reefton EWS	198	23.4	11.0	17.2	+0.4	29.5	8	5.2	28	74	8	-85	38	2	246
Greymouth Aero	4	19.9	12.3	16.1	+0.2	22.0	9	8.6	5	99	11	-117	29	2	223
Greymouth Aero EWS	5	19.3	12.5	15.9	..	21.6	26	8.6	5	93	12	..	27	2	259
Okarito	2	20.0	11.5	15.8	..	22.5	26	6.5	5	204	13	-150	55	16	..
Franz Josef EWS	80	19.2	10.0	14.6	..	23.4	26	5.0	4	280	12	..	87	6	142
Haast AWS	5	18.7	11.2	15.0	+0.2	21.3	24	6.6	20	356	16	..	96	16	..
Milford Sound	3	18.3	11.1	14.7	+0.0	23.3	24	7.2	28	825	20	+103	204	6	..
Milford Sound AWS	3	18.7	11.0	14.9	..	24.8	24	6.9	28	632	22	..	147	6	..
Secretary Island AWS	19	17.3	12.0	14.7	..	20.7	11	8.5	28	624	25	..	77	2	..
Puysegur Point AWS	44	16.6	11.6	14.1	+0.4	23.4	24	8.0	3	430	27	+215	77	8	..
Motueka, Riwaka EWS	8	24.5	11.5	18.0	+0.5	29.8	31	6.6	4	12	3	-70	5	27	..
Maud Island	15	21.0	13.7	17.4	..	24.4	31	8.1	13	46	6	..	18	2	..
Pelorus Sd, Crail Bay	13	22.3	14.1	18.2	+0.5	26.5	25	9.0	4	32	6	-119	15	2	..
Nelson Aero	2	23.1	13.2	18.2	+0.5	29.2	31	9.7	19	12	3	-60	8	17	306
Appleby 2 EWS	18	23.5	10.6	17.1	..	30.3	31	6.6	4	15	3	..	13	17	319

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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		
Nelson AWS	4	23.8	13.5	18.7	+0.9	30.0	31	9.9	21	12	3	..	8	17	..
Blenheim Research EWS	4	24.4	11.9	18.2	+0.2	30.4	23	6.8	28	10	4	-38	8	17	305
Blenheim Aero AWS	35	25.3	9.9	17.6	-0.3	33.4	25	4.4	28	22	3	-31	11	18	..
Brothers Island AWS	68	18.7	14.8	16.8	..	21.9	26	12.7	4	11	5	..	7	17	..
Awatere Valley, Dashw	83	23.7	10.8	17.3	..	31.4	7	3.1	28	7	3	..	4	27	..
Grassmere Salt Works	2	19.9	12.1	16.0	-2.0	27.2	7	6.2	4	11	4	-26	5	3	..
Boyle River Lodge	600	24.6	8.8	16.7	..	32.0	26	4.0	28	58	10	..	38	2	..
Hanmer Forest EWS	363	26.4	7.8	17.1	+1.2	34.7	24	0.3	12	12	2	-57	9	2	..
Kaikoura AWS	105	22.1	14.2	18.2	+1.6	30.1	2	9.9	28	15	4	-31	8	27	..
Arthurs Pass	738	18.3	8.5	13.4	+0.6	25.8	26	4.9	28	241	11	-170	136	2	..
Arthurs Pass EWS	738	18.1	8.3	13.2	..	25.8	26	4.7	28	225	10	..	126	2	..
Culverden	178	27.9	11.0	19.5	..	..	..	..	..	4	2	-38	3	27	..
Waiau School Cws	136	26.8	12.1	19.5	..	35.8	16	4.4	12	19	4	..	13	27	..
Cheviot EWS	75	25.6	10.4	18.0	..	36.3	16	4.9	13	10	4	..	6	27	292
Mt Cook EWS	765	20.7	10.0	15.4	+0.8	30.4	31	3.6	28	283	11	-128	125	2	183
Craigieburn Forest	914	21.7	6.8	14.3	+0.6	30.6	25	1.7	4	89	8	-13	58	2	..
Snowdon EWS	560	22.8	10.6	16.7	..	31.9	31	4.8	28	67	9	..	20	27	..
Methven Cws	313	24.4	12.5	18.5	..	32.7	24	6.7	12	35	7	..	14	27	..
Winchmore EWS	160	24.9	11.8	18.4	+2.0	33.5	25	6.5	12	62	9	+7	35	18	..
Peel Forest	286	24.3	9.7	17.0	+1.5	31.7	24	4.7	21	65	9	-36	16	10	..
Ashburton Council	101	26.3	12.0	19.2	+2.0	34.4	25	7.0	3	54	10	-1	34	18	..
Ashburton Aero AWS	89	25.2	11.2	18.2	..	33.2	8	5.9	12	47	9	..	30	18	271
Waipara West EWS	130	25.9	13.3	19.6	..	35.2	16	7.4	12	8	5	..	4	27	296
Rangiora EWS	23	23.6	11.8	17.7	+1.0	33.2	8	..	..	18	4	..	13	3	268
Darfield	195	26.6	12.4	19.5	+2.2	35.9	25	6.7	12	24	7	-33	12	27	..
Darfield EWS	190	25.9	12.7	19.3	..	35.4	25	6.8	12	21	7	..	10	27	..
Christchurch Aero	37	24.7	12.3	18.5	+1.4	35.7	8	6.9	4	26	6	-17	12	3	281
Christchurch Gardens	7	24.7	13.1	18.9	+1.5	35.0	8	8.4	4	21	5	-21	15	3	..
Christchurch, Kyle St	6	24.7	12.5	18.6	..	36.5	8	7.7	4	23	5	..	14	3	..
Lincoln, Broadfield E	18	24.5	12.5	18.5	+1.8	35.0	8	6.3	12	46	6	..	36	18	..
Sugar Loaf AWS	618	21.8	12.1	17.0	..	31.5	8	6.7	28	..	..	..	..	..	..
Lyttelton Harbour	5	23.1	15.7	19.4	..	33.0	7	12.0	4	11	5	..	6	18	..
Akaroa AWS	45	25.3	13.0	19.2	..	35.5	8	8.0	11	33	8	..	14	18	282
Le Bons Bay AWS	236	21.3	13.2	17.3	+2.0	..	..	..	..	31	7	..	17	19	..
Lake Tekapo, Air Safa	762	22.7	9.2	16.0	+0.8	30.2	31	2.5	11	14	6	-27	7	2	..
Lake Tekapo EWS	762	22.8	8.9	15.9	..	30.4	31	1.9	11	14	4	..	7	2	262
Fairlie	300	25.9	9.5	17.7	+2.0	..	..	..	..	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	24.9	8.9	16.9	..	32.5	24	1.7	28	38	6	..	24	16	..
Hakataramea Valley Cw	355	24.5	9.7	17.1	..	32.7	24	2.4	19	6	7	..	2	26	..
Woodbury	195	26.1	10.8	18.5	..	..	..	..	..	..	..	..	..	..	..
Orari Estate	81	25.3	10.9	18.1	+1.8	33.1	23	6.5	2	11	5	-54	5	18	..
Orari Estate Cws	81	24.1	11.2	17.7	..	31.4	8	6.5	2	12	6	..	5	18	..
Timaru Aero AWS	26	24.6	10.0	17.3	+1.5	31.2	8	5.5	28	13	8	-38	3	9	..
Timaru EWS	17	22.0	12.2	17.1	..	29.5	8	7.7	28	..	..	..	..	..	263
Oamaru Airport AWS	30	22.2	11.1	16.7	..	29.8	16	6.3	19	15	8	..	6	26	..
Albert Burn	1280	14.6	5.2	9.9	..	22.7	31	-0.1	18	252	16	..	57	16	..
Tara Hills AWS	488	23.6	9.8	16.7	+0.5	31.6	24	2.4	28	43	8	-1	29	16	..
Wanaka Aero AWS	352	22.8	11.4	17.1	..	28.9	24	4.4	28	51	6	..	37	16	..
Naseby Forest 2	607	22.9	8.4	15.7	+1.6	32.7	..	1.2	28	26	7	-45	8	9	..
Windsor EWS	81	23.0	12.7	17.9	..	31.7	25	6.9	5	33	11	..	13	18	..
Ranfurly EWS	450	23.3	8.5	15.9	..	32.8	24	0.5	3	15	7	..	6	9	..
Oamaru AWS	40	22.8	11.4	17.1	..	32.4	16	5.8	19	23	14	..	7	3	..
Palmerston	21	23.0	9.7	16.4	+1.5	31.8	23	3.8	3	42	12	-13	18	17	187
Middlemarch EWS	213	24.1	9.9	17.0	..	34.9	24	2.5	28	27	11	..	11	9	159
Swampy Summit AWS	722	18.1	8.5	13.3	..	27.5	23	2.6	28	..	..	..	..	..	..
Dunedin Aero AWS	1	23.1	10.3	16.7	+1.7	32.0	23	3.1	3	48	16	-22	16	9	..
Dunedin, Musselburgh	4	21.1	12.1	16.6	+1.4	30.0	16	7.1	4	54	12	-18	14	9	177
Murchison Mtns EWS	1140	12.1	4.9	8.5	..	17.4	14	0.2	28	398	21	..	68	6	..
Manapouri, West Arm J	178	18.2	9.4	13.8	..	23.8	11	4.0	28	458	25	..	61	6	..
Manapouri Aero AWS	209	20.4	10.3	15.4	..	26.6	24	2.6	28	124	15	..	34	2	..
Queenstown	329	23.6	11.0	17.3	+0.6	30.5	24	5.4	28	69	10	-9	27	16	213
Queenstown Aero AWS	354	22.3	9.4	15.9	+0.3	27.3	24	3.5	28	47	10	-16	17	16	..
Lumsden AWS	187	21.6	10.2	15.9	+1.2	28.8	24	3.3	28	100	16	..	30	9	..

Summary of the records of Temperature, Rainfall and Sunshine January 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		
Cromwell EWS	213	25.9	12.7	19.3	..	32.3	24	4.1	3	9	5	..	8	16	234
Lauder EWS	375	23.5	10.2	16.9	..	31.5	24	2.4	28	24	4	..	12	9	..
Ophir 2	305	23.7	8.8	16.3	..	30.6	24	1.6	28	13	5	..	6	16	..
Alexandra	150	26.1	11.0	18.6	..	33.8	24	4.3	3	12	7	..	5	16	221
Clyde EWS	171	24.9	10.9	17.9	+0.8	32.4	24	4.0	3	12	8	..	7	16	..
Alexandra Cws	140	25.0	11.4	18.2	..	32.9	24	4.8	3	17	13	..	7	16	..
Ettrick No.2	91	24.0	10.0	17.0	+0.9	34.4	24	2.0	3	32	9	..	8	17	..
Winton	44	21.3	10.9	16.1	+1.6	30.2	24	4.1	3	97	13	-5	26	2	142
Gore AWS	123	20.5	10.6	15.6	+1.3	30.4	24	4.3	28	95	20	-11	18	2	..
Thornbury	20	21.0	10.7	15.9	..	30.5	..	5.3	28	98	21	..	24	2	..
Invercargill Aero	19.2	19.2	10.9	15.1	+1.1	28.7	24	4.5	28	142	21	+28	26	2	158
Invercargill Aero AWS	1	19.3	10.7	15.0	..	29.0	24	4.5	18	133	19	..	25	2	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	139	22	..	25	2	135
Tiwai Point EWS	5	18.0	11.2	14.6	+0.3	29.0	24	6.8	3	121	18	+9	24	2	..
Balclutha, Telford Ew	11	20.6	9.2	14.9	..	27.4	25	2.9	3	65	18	..	17	17	200
Nugget Point AWS	129	19.5	10.9	15.2	+1.3	28.7	25	6.0	3	88	20	..	15	17	..
Tautuku	25	20.3	9.8	15.1	+1.2	31.0	24	5.0	3	118	17	-14	18	2	..
South West Cape AWS	101	16.1	10.5	13.3	..	25.6	24	7.4	4	178	28	..	67	8	..
Nauru Upper Air	6	31.1	26.3	28.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	31.3	24.1	27.7	..	..	..	22.7	17	568	31	..	87	6	..
Vanuatu,Pekoa	56	30.6	23.7	27.2	..	..	..	22.5	27	581	25	..	117	2	..
Vanuatu,Lamap	22	..	24.4	..	..	..	..	22.8	20	366	24	..	60	18	..
Vanuatu, Bauerfield	20	33.0	22.8	27.9	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Burtonfield	70	30.8	22.7	26.8	..	..	..	20.0	16	59	12	..	35	19	..
Vanuatu,Aneityum	6	30.2	23.0	26.6	..	..	..	..	..	..	..	..	..	..	..
New Cal, Ouanaham	29	30.1	23.7	26.9	..	31.1	3	18.9	15	84	16	..	34	6	..
New Cal, Poinoimie	13	30.7	23.6	27.2	..	..	..	..	..	..	..	..	..	..	..
New Cal, La Roche	42	..	22.7	..	..	..	..	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	32.1	21.8	27.0	..	35.4	2	17.6	16	78	18	..	31	10	..
New Cal, Nouma	72	30.2	24.1	27.2	..	35.6	4	21.4	16	75	12	..	32	6	..
New Cal, Moue	97	29.1	22.9	26.0	..	..	..	..	..	150	21	..	28	4	..
Kiribati,Tarawa	2	31.0	26.0	28.5	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nanumea Is	2	30.7	26.4	28.6	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Nui Is	2	31.3	25.9	28.6	..	..	..	..	..	..	..	..	..	..	..
Tuvalu,Funafuti Aero	1	31.2	26.2	28.7	..	32.3	1	23.4	30	..	..	..	..	..	..
Tuvalu, Niulakita Is	3	30.5	25.1	27.8	..	..	..	..	..	..	..	..	..	..	..
Fiji,Rotuma	26	30.7	24.8	27.8	..	32.2	3	23.0	10	..	..	..	..	..	..
Fiji, Nambowalu	36	30.4	24.1	27.3	..	..	..	22.4	15	..	..	..	..	..	..
Fiji,Nadi Aero	15	30.0	23.1	26.6	..	..	..	..	..	..	..	..	..	..	..
Fiji, Nadi EWS	15	30.4	23.6	27.0	..	32.8	26	21.8	27	1097	24	..	279	10	..
Fiji,Nausori Aero	6	30.0	23.2	26.6	..	32.0	1	..	..	..	..	..	..	..	..
Fiji, Vunisea	33	30.0	24.6	27.3	..	32.1	7	21.5	17	..	..	..	..	..	..
Kiribati, Kanton Isl	2	..	24.6	..	..	..	..	..	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.3	24.7	27.5	..	31.5	9	..	..	..	..	..	..	..	..
Maopopo, Futuna Isla	36	30.6	24.8	27.7	..	..	..	..	..	..	..	..	..	..	..
Samoa,Faleolo	4	30.6	24.4	27.5	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	29.9	24.7	27.3	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	32.0	27.0	29.5	..	33.2	6	24.8	31	296	28	..	40	18	..
Tonga, Lupepauu	67	29.4	22.7	26.1	..	..	..	..	..	..	..	..	..	..	..
Salote Pilolevu Airpo	2	29.6	24.5	27.1	..	..	..	..	..	..	..	..	..	..	..
Tonga,Fuaamotu Aero	38	29.7	23.3	26.5	..	..	..	..	..	..	..	..	..	..	..
Niue, Hanan Airport	59	29.8	24.6	27.2	..	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	29.6	24.4	27.0	..	..	..	..	..	..	..	..	..	..	..
Rarotonga EWS	4	29.6	24.0	26.8	..	31.8	15	21.9	30	246	23	..	57	12	..
Hiva Hoa, Atuona	51	32.0	22.7	27.4	..	35.4	17	21.5	2	..	..	..	..	..	..
Tahiti - Faa	1	31.0	25.0	28.0	..	32.6	30	22.9	4	255	21	..	64	16	..
Tuamotu, Takaroa	2	30.9	25.9	28.4	..	32.1	30	23.0	7	139	17	..	54	6	..
Tuamotu, Hao	3	29.1	24.8	27.0	..	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hereheretue	3	29.3	24.2	26.8	..	..	..	22.5	4	219	21	..	71	7	..
Gambier, Rikitea	91	27.0	22.4	24.7	..	29.0	9	20.6	1	433	22	..	125	18	..
Tubuai	2	28.4	23.9	26.2	..	29.9	28	20.7	27	68	15	..	18	1	..
Rapa	1	26.4	22.1	24.3	..	28.3	27	17.8	5	110	13	..	51	9	..
Raoul Island AWS	49	26.2	20.2	23.2	..	27.7	18	15.8	26	19	14	..	11	1	..

Summary of the records of Temperature, Rainfall and Sunshine January 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		
Enderby Is AWS	40	12.9	8.3	10.6	..	14.0	11	5.3	10	98	21	..	24	17	..
Campbell Island AWS	19	12.3	7.5	9.9	+0.3	17.7	24	1.0	9	127	27	+15	45	18	..
Chatham Islands AWS	48	19.5	12.8	16.2	+1.5	22.6	17	7.3	22	40	10	-14	14	3	..
Chatham Island EWS	14	20.6	13.0	16.8	..	23.6	1	4.8	22	23	8	..	12	3	..
Georg Von Neumayer	40	-2.2	-8.1	-5.2	..	-0.3	28	-14.6	9	..	..	..	..	..	..
Ant South Pole	2800	-25.1	-30.0	-27.6	..	-18.9	2	-69.5	11	..	..	..	..	..	..
Halley Bay	30	-2.6	-8.6	-5.6	..	5.2	1	-16.5	29	..	..	..	..	..	..
Gen Belgrano 2	32	0.2	-7.0	-3.4	..	6.2	13	-11.4	29	..	..	..	..	..	..
Base Jubany	4	4.6	1.0	2.8	..	8.5	4	-1.0	18	..	..	..	..	..	..
Dinamet	10	4.2	1.3	2.8	..	..	..	..	..	..	..	..	..	..	..
V C Marambio	198	2.9	..	..	..	9.4	9	..	..	..	..	..	..	..	..
Eduardo Frei	10	3.1	0.5	1.8	..	5.0	5	-1.1	29	37	20	..	7	13	..
Arturo Prat		3.8	0.9	2.4	..	5.2	28	-1.0	22	..	..	..	..	..	..
Bernado Ohiggins	10	2.9	0.2	1.6	..	10.4	1	-1.6	2	..	..	..	..	..	..
Rothera Point	16	3.8	0.1	2.0	..	6.2	22	-1.6	1	..	..	..	..	..	..
Argentine Is, Faraday	11	5.3	0.3	2.8	..	..	..	..	..	..	..	..	..	..	..
Gen San Martin	4	4.7	..	..	..	..	..	..	..	..	..	..	..	..	..
King Sejong	11	4.1	1.3	2.7	..	..	..	..	..	..	..	..	..	..	..
Novolax Arevskaja	99	1.2	-3.6	-1.2	..	4.1	16	-7.7	5	..	..	..	..	..	..
Mawson	16	1.9	-4.3	-1.2	..	5.2	31	-8.2	26	..	..	..	..	..	..
Davis	13	3.7	-1.9	0.9	..	11.6	31	-4.8	29	..	..	..	..	..	..
Vostok	3420	-27.6	-36.2	-31.9	..	-21.4	3	..	..	..	..	..	..	..	..
Casey	41	1.3	-2.8	-0.8	..	5.0	20	-6.0	31	..	..	..	..	..	..
Durmont Durville	43	1.1	-2.9	-0.9	..	4.3	13	-7.7	31	..	..	..	..	..	..
Mcmurdo	24	0.1	-5.0	-2.5	..	4.2	2	-10.8	20	..	..	..	..	..	..
Ant Scott Base	16	-1.2	-7.8	-4.5	..	3.1	2	-13.4	19	..	..	..	..	..	..
Ant Arrival Heights E	185	-1.7	-7.1	-4.4	..	2.8	5	-12.6	20	..	..	..	..	..	..
Ant Scott Base EWS	16	-1.6	-8.0	-4.8	..	3.0	6	-13.6	19	..	..	..	..	..	..
Darwin Airport	31	32.1	23.1	27.6	..	33.9	12	15.8	26	424	25	..	80	22	..
Hobart Airport	4	24.0	12.3	18.2	..	34.4	13	6.8	2	..	..	..	..	..	..

Late returns and corrections for December 2008

Kerikeri EWS	79	22.0	12.8	17.4	-0.2	25.1	16	8.6	14	100	9	-4	46	23	..
Dargaville 2 EWS	66	21.1	13.1	17.1	..	26.3	20	8.6	7	83	11	..	59	23	188
North Shore, Auckland	20	22.4	13.5	18.0	..	26.9	31	9.8	7	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	21.7	13.6	17.7	..	25.2	31	10.5	24	..	..	..	..	..	..
Waiheke Island, Awaro	34	22.1	13.0	17.6	..	25.3	16	8.0	26	89	12	-2	41	23	..
Thames 2	3	23.0	13.5	18.3	+0.1	25.0	16	9.0	6	67	13	-6	31	23	207
Te Puke EWS	91	22.3	12.3	17.3	..	27.1	3	6.6	6	121	14	-11	40	29	..
Pakuranga, Auckland R	15	22.4	12.9	17.7	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	23.4	14.6	19.0	..	27.3	31	11.7	26	..	..	..	..	..	..
Dannevirke	207	21.9	11.9	16.9	+1.1	26.0	31	5.0	14	66	11	-17	14	1	214
Martinborough EWS	20	22.0	11.8	16.9	..	29.9	29	3.4	6	77	12	..	17	20	222
Whakatu EWS	5	23.0	13.0	18.0	..	30.2	4	7.2	23	30	9	..	14	23	..
Paraparaumu Aero	5	20.7	12.8	16.8	+0.9	22.6	15	5.6	23	137	17	+52	43	15	216
Takaka EWS	20	21.5	11.2	16.4	..	28.8	30	7.5	28	277	14	..	98	8	233
Hokitika Aero	39	17.6	11.2	14.4	+0.1	20.0	29	5.6	6	390	21	+112	71	19	173
Blackball	35	20.7	10.0	15.4	..	26.0	29	4.5	6	205	..	..	41	8	..
Franz Josef EWS	80	17.2	9.4	13.3	..	21.9	24	4.1	6	513	19	..	100	19	120
Maud Island	15	19.5	12.7	16.1	..	22.9	30	..	..	235	19	..	91	15	..
Blenheim Research EWS	4	21.9	11.5	16.7	+0.1	29.8	30	6.7	22	76	12	+25	24	15	233
Grassmere Salt Works	2	14.9	7.0	11.0	-5.7	20.4	30	0.7	14	42	9	+0	12	15	..
Hanmer Forest EWS	363	22.2	6.8	14.5	+0.1	31.2	29	-1.7	6	46	12	-32	23	20	..
Waiau School Cws	136	23.2	9.9	16.6	..	31.5	30	3.0	6	25	11	..	13	20	..
Cheviot EWS	75	21.7	8.3	15.0	..	32.0	30	0.0	22	17	9	..	6	20	241
Craigieburn Forest	914	18.3	5.7	12.0	+0.0	29.4	29	-0.3	6	335	18	+211	106	19	..
Darfield	195	21.5	9.6	15.6	-0.1	31.3	30	3.0	22	88	16	+22	24	19	..
Lake Tekapo EWS	762	18.3	6.5	12.4	..	26.8	29	1.1	6	98	14	..	25	19	228
Orari Estate Cws	81	18.9	10.1	14.5	..	28.5	28	5.0	22	81	17	..	23	16	..
Timaru EWS	17	18.3	10.9	14.6	..	29.6	31	5.4	22	..	..	..	..	..	175
Alexandra Cws	140	21.7	9.8	15.8	..	31.1	29	4.2	5	103	15	..	31	20	..
Tapanui	180	19.8	7.7	13.8	+0.5	28.8	29	1.5	..	69	..	-22	21	8	..
Winton	44	18.8	8.1	13.5	+0.1	27.8	28	2.9	13	61	14	-25	20	8	151

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	
Thornbury	20	19.4	8.6	14.0	..	28.5	29	1.2	..	61	13	..	15	6	..
Balclutha, Finegand	6	19.6	8.1	13.9	+0.0	29.5	29	2.4	13	45	11	-21	16	8	131
Late returns and corrections for November 2008															
North Shore, Auckland	20	20.4	12.1	16.3	..	24.2	29	5.7	21	..	..	..	..	..	..
Musick Pt Ews, Auckla	18	19.6	12.0	15.8	..	24.5	25	8.4	8	..	..	..	..	..	..
Pakuranga, Auckland R	15	21.6	11.7	16.7	..	..	..	..	..	..	..	..	..	..	..
Penrose EWS	30	21.7	13.3	17.5	..	26.5	30	7.9	21	..	..	..	..	..	..
Masterton, Te Ore Ore	110	21.6	7.7	14.7	..	28.8	29	-0.5	8	26	8	..	10	1	..
Hokitika Aero	39	15.2	8.6	11.9	-0.8	18.5	28	1.9	7	313	19	+73	54	23	161
Franz Josef EWS	80	14.8	6.8	10.8	..	19.6	30	-0.4	6	723	16	..	164	24	108
Waiiau School Cws	136	22.1	7.9	15.0	..	30.6	15	0.0	7	20	7	..	7	25	..
Orari Estate Cws	81	19.6	7.3	13.5	..	29.8	24	0.1	6	33	8	..	19	25	..
Timaru EWS	17	18.2	8.6	13.4	..	28.4	15	1.5	6	23	6	..	10	17	..
Tapanui	180	18.6	5.5	12.1	+0.8	29.2	23	-2.0	8	66	..	-2	17	4	..
Late returns and corrections for October 2008															
Waiiau School Cws	136	18.4	5.1	11.8	..	24.7	14	-0.5	10	59	11	..	14	25	..
Orari Estate Cws	81	17.7	4.3	11.0	..	26.7	28	0.0	9	34	5	..	22	25	..
Late returns and corrections for September 2008															
Orari Estate Cws	81	15.7	4.9	10.3	..	25.6	23	0.0	6	35	8	..	15	3	..
Late returns and corrections for August 2008															
Orari Estate Cws	81	10.6	1.7	6.2	..	17.2	22	-3.0	11	111	13	..	49	24	..

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.