

JANUARY 2013

Summary of the records of Temperature, Rainfall and Sunshine January 2013

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	21.7	15.8	18.8	-0.2	24.4	31	..	..	10	6	-48	8	3	..
Kaitaia Aero EWS	80	23.9	15.2	19.6	+0.2	26.3	13	10.1	19	4	4	-65	2	3	..
Kaitaia Observatory	85	23.7	15.0	19.4	..	26.1	12	9.7	19	6	8	-79	3	3	253
Kaitaia EWS	85	23.3	14.9	19.1	-0.3	25.9	12	9.6	1	4	8	-85	2	3	263
Kerikeri EWS	79	24.9	14.4	19.7	+0.5	28.1	14	9.5	1	26	4	-86	18	3	..
Kerikeri Aerodrome Aw	150	24.2	14.1	19.2	+0.1	28.1	14	9.3	1	14	8	-108	4	3	..
Kaikohe AWS	204	23.8	14.9	19.4	+0.8	28.4	11	10.2	1	13	6	-97	9	3	..
Trounson Cws	220	21.3	12.8	17.1	..	25.2	23	6.8	1	23	8	-82	13	3	..
Dargaville 2 EWS	66	23.3	15.3	19.3	+0.2	26.4	10	11.1	1	12	4	-59	9	3	235
Purerua AWS	82	23.2	15.5	19.4	..	27.6	20	11.2	4	22	4	..	18	3	..
Whangarei Aero AWS	37	24.5	16.0	20.3	+0.3	28.3	11	10.9	1	6	3	-72	5	3	..
Mokohinau AWS	60	22.6	17.5	20.1	+0.3	26.1	11	14.6	17	..	..	..	..	..	..
Leigh 2	27	25.2	16.0	20.6	+1.1	29.8	24	11.5	4	8	4	-65	5	3	..
Warkworth EWS	72	23.2	14.3	18.8	+0.3	27.7	13	8.0	19	6	5	-80	3	3	..
Whangaparaoa AWS	89	23.5	16.0	19.8	+0.2	26.8	12	12.9	1	5	4	-62	2	3	..
Whenuapai AWS	26	24.1	14.7	19.4	+0.4	27.9	13	9.3	4	..	..	..	..	..	..
Auckland, North Shore	64	22.9	14.6	18.8	..	26.6	12	9.3	4	4	5	..	2	17	280
Auckland, Henderson,	7	25.3	14.8	20.1	+0.4	28.9	13	9.7	4	7	9	-75	1	15	..
Musick Pt Ews, Auckla	18	23.3	15.4	19.4	+0.3	..	..	..	..	..	..	..	..	..	..
Waiheke Island, Awaro	34	25.0	13.7	19.4	..	28.0	6	8.3	19	5	3	-71	2	2	..
Whitianga Aero AWS	5	24.1	14.6	19.4	+0.5	..	..	..	..	4	5	-78	2	17	..
Thames 2	3	25.5	14.6	20.1	+0.7	..	..	..	..	10	..	-55	3	17	..
Paeroa AWS	18	24.8	13.4	19.1	-0.5	28.6	13	6.3	19	9	4	-73	4	17	..
Toenepi EWS	48	24.6	12.6	18.6	-0.3	28.3	6	5.2	19	8	4	..	3	15	..
Matamata, Hinuera EWS	106	24.7	11.1	17.9	-0.2	28.6	12	4.2	19	..	..	..	..	..	..
Tauranga Aero	..	..	..	..	..	..	..	..	..	..	..	..	..	..	301
Tauranga Aero AWS	4	24.5	15.0	19.8	+0.3	30.4	20	9.1	19	4	4	-74	2	15	..
Te Puke EWS	91	24.4	13.1	18.8	+0.5	29.9	20	6.5	19	3	6	-103	2	13	..
Whakatane Aero AWS	7	24.8	13.2	19.0	+0.1	32.5	7	5.9	19	14	2	-61	13	6	..
Whakatane Sunshine	7	..	..	..	..	..	..	..	..	..	..	..	..	..	318
White Island AWS	310	22.1	15.1	18.6	..	..	..	..	..	..	..	..	..	..	..
Mamaku Radar Wxt AWS	617	19.4	11.3	15.4	..	23.4	7	6.5	4	..	..	..	..	..	..
Kawerau AWS	42	26.3	13.3	19.8	..	32.4	7	6.5	19	..	..	..	..	..	278
Rotorua Aero AWS	283	23.3	11.5	17.4	-0.3	27.5	7	3.8	19	9	6	-83	6	15	..
Galatea AWS	174	24.6	11.2	17.9	..	31.2	7	2.9	19	..	..	..	..	..	..
Taupo Wxt AWS	385	23.5	12.1	17.8	..	28.4	29	5.7	19	..	..	..	..	..	..
Tarapounamu EWS	701	22.0	8.6	15.3	..	32.8	12	1.6	9	40	9	..	20	15	..
Taupo AWS	400	23.7	10.1	16.9	-0.2	28.3	29	2.1	19	14	5	-64	7	15	..
Opotiki	5	24.5	13.3	18.9	+0.2	28.3	7	6.2	19	6	6	-75	2	4	..
Motu EWS	488	21.7	10.1	15.9	+0.4	27.0	20	0.2	19	70	10	-61	33	15	..
Otamatuna, Te Mapou H	624	20.7	9.8	15.3	..	26.0	20	3.3	19	27	9	..	10	15	..
Auckland, Mangere EWS	5	23.8	16.0	19.9	+0.3	27.0	24	12.6	5	6	6	-55	3	2	255
Pakuranga, Auckland R	15	25.4	15.1	20.3	+1.0	29.1	12	9.5	19	..	..	..	..	..	..
Auckland Aero	33	24.5	16.0	20.3	+0.5	27.4	25	12.7	29	9	5	-57	4	2	..
Auckland, Ardmore	23	25.7	12.3	19.0	+0.2	29.0	12	6.5	5	9	7	-68	3	2	..
Pukekohe EWS	88	24.0	13.8	18.9	+0.3	27.7	29	8.6	19	13	7	-60	3	15	..
Firth Of Thames EWS	1	26.2	12.6	19.4	..	29.0	6	4.7	19	3	4	..	1	15	..
Whatawhata 2 EWS	118	24.1	12.6	18.4	+0.1	30.1	6	7.7	4	30	8	-68	10	2	..
Hamilton, Ruakura 2 E	45	26.3	11.7	19.0	+0.6	30.2	6	4.1	19	7	5	-72	4	2	258
Hamilton AWS	53	25.0	11.8	18.4	+0.1	29.1	29	4.6	19	11	4	-71	4	15	..
Lake Karapiro Cws	55	24.3	13.2	18.8	..	29.0	29	-0.4	18	13	7	..	8	15	..
Port Taharoa AWS	27	23.5	15.3	19.4	+0.3	29.2	22	10.7	19	38	12	..	15	2	..
Waikeria 2	46	25.9	11.5	18.7	+0.3	31.2	29	5.1	19	18	3	-56	13	15	..
Te Kuiti EWS	62	24.8	10.8	17.8	-0.5	29.9	29	5.1	5	20	6	-80	6	2	261
Pureora Forest Cws	549	21.2	8.7	15.0	..	27.1	29	2.3	19	36	10	..	15	15	..
Taumarunui	171	24.6	11.2	17.9	-0.2	29.9	29	5.5	19	29	9	-76	11	2	..
Taumarunui AWS	195	25.7	9.2	17.5	..	32.1	29	2.9	19	32	9	..	15	2	275
Turangi 2 EWS	350	23.7	8.5	16.1	-1.0	28.8	29	2.0	5	32	8	-77	16	15	266
New Plymouth AWS	30	22.5	13.3	17.9	+0.3	30.6	6	6.2	19	55	11	-38	13	13	304
Mt Ruapehu, Chateau E	1097	19.1	6.1	12.6	+0.2	25.7	6	0.2	4	90	13	-99	23	17	..
Pahiatua EWS	110	20.8	9.0	14.9	..	26.7	30	1.1	18	36	12	..	16	17	..
Alfredton Raws	240	23.6	10.1	16.9	..	29.1	30	1.0	19	27	10	..	8	14	..
Masterton Aero AWS	138	26.1	11.2	18.7	..	32.8	31	4.4	4	24	8	..	15	17	..

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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		
Masterton, Te Ore Ore	110	27.5	12.2	19.9	..	33.1	31	4.3	19	18	7	-40	12	17	..
Kopua	311	24.2	11.1	17.7	+0.7	31.0	10	3.1	19	31	7	-44	11	17	..
Takapau Plains AWS	330	24.0	10.1	17.1	+0.2	31.5	10	2.8	19	24	13	..	8	17	..
Dannevirke	207	24.3	12.3	18.3	+1.0	29.0	30	3.0	19	63	9	-13	24	17	259
Dannevirke EWS	207	24.8	11.3	18.1	..	29.4	10	2.9	19	39	8	..	23	17	272
Waione Raws	48	25.7	11.9	18.8	+0.5	31.3	31	3.2	19	32	7	-42	8	17	..
Cape Turnagain AWS	292	19.3	13.7	16.5	..	27.2	10	8.4	18	..	..	..	..	..	..
Akitio EWS	245	22.1	12.5	17.3	..	30.4	31	5.2	19	46	8	..	11	24	294
Castlepoint Station	9	..	..	..	..	28.5	31	7.4	19	58	..	-1	..	..	..
Castlepoint AWS	120	22.2	14.2	18.2	+0.4	28.2	31	8.5	19	8	7	-77	3	17	..
Te Wharau, Brackenfie	292	23.5	10.4	17.0	..	32.0	31	3.6	19	31	6	..	20	17	..
Martinborough EWS	20	24.5	11.1	17.8	-0.1	31.6	30	4.9	5	48	9	..	20	17	266
Ngawi AWS	6	23.3	14.7	19.0	+0.3	29.0	31	10.1	19	25	7	..	8	15	..
Hicks Bay AWS	46	22.7	15.3	19.0	+0.5	26.2	7	7.6	19	25	8	-64	11	6	..
Gisborne AWS	5	25.4	14.0	19.7	+0.4	31.8	10	7.6	19	34	7	-25	29	6	308
Tolaga Bay Wxt AWS	12	22.8	14.2	18.5	..	30.8	13	8.6	19	..	..	..	..	..	..
Tutira Cws	235	23.9	12.0	18.0	..	30.5	12	4.1	19	11	5	..	9	24	..
Napier Aero AWS	3	25.5	13.2	19.4	+0.6	33.4	13	4.8	19	19	6	-48	9	6	..
Napier Nelson Pk	2	25.6	14.1	19.9	+0.4	33.2	10	6.6	19	22	5	-25	12	6	298
Hastings AWS	16	26.0	13.4	19.7	..	34.5	10	5.6	19	18	6	..	6	6	..
Whakatu EWS	5	24.2	12.1	18.2	+0.5	32.5	10	3.5	19	15	6	..	8	6	..
Waipawa EWS	130	26.0	11.1	18.6	..	34.6	10	3.8	19	23	7	..	9	17	298
Wairoa, North Clyde E	15	25.5	12.8	19.2	+0.0	32.8	10	6.2	18	54	7	-26	46	6	..
Mahia Radar Wxt AWS	419	20.2	13.9	17.1	..	27.2	10	8.5	19	..	..	..	..	..	..
Mahia AWS	136	22.2	14.3	18.3	+0.0	27.9	13	7.9	19	51	7	-6	44	6	..
Cape Kidnappers Wxt A	118	21.5	16.0	18.8	..	28.5	10	9.9	18	..	..	..	..	..	..
Paraparaumu Aero	5	21.6	12.6	17.1	-0.2	25.5	6	6.3	19	79	10	+13	18	13	274
Paraparaumu Aero AWS	5	21.5	12.3	16.9	-0.3	25.6	6	4.4	18	78	9	+20	17	2	294
Ohakea AWS	50	23.4	12.5	18.0	..	29.9	29	7.8	26	..	..	..	..	..	..
Palmerston North AWS	39	24.2	12.2	18.2	+0.4	29.7	29	5.3	19	38	10	-17	13	2	..
Palmerston North EWS	21	23.3	12.3	17.8	+0.0	28.6	29	5.2	19	29	10	-34	10	2	248
Levin AWS	14	22.7	12.4	17.6	+0.0	29.6	29	5.1	18	65	10	-4	13	2	..
Mana Island	2	21.6	13.4	17.5	+0.0	25.2	6	7.0	19	88	11	+34	26	13	..
Mana Island AWS	100	19.1	13.5	16.3	..	23.9	6	9.2	19	86	10	..	25	13	..
Wellington,Kelburn	125	..	..	..	..	..	..	..	..	..	..	..	..	..	263
Wellington, Kelburn A	125	21.0	13.4	17.2	+0.3	27.9	6	7.6	18	88	10	+13	21	14	..
Wellington Aero	4	21.7	14.4	18.1	+0.2	26.4	6	9.4	26	75	9	+17	19	15	..
Wallaceville EWS	56	22.1	10.7	16.4	-0.7	27.8	6	3.8	19	114	11	+36	32	13	265
Stratford EWS	300	21.3	11.8	16.6	+0.7	27.4	29	6.0	19	82	11	-40	20	15	262
Hawera AWS	98	21.2	12.2	16.7	+0.3	24.9	13	6.9	5	70	9	-6	25	15	..
Ohakune EWS	607	23.0	10.1	16.6	+1.2	28.8	29	3.1	19	56	10	-45	18	15	298
Waiouru Treatment Pla	806	21.0	7.8	14.4	+0.3	26.1	30	1.4	19	42	8	-40	14	17	..
Waiouru Airstrip AWS	818	20.6	7.0	13.8	..	25.8	10	0.2	19	38	8	..	12	17	..
Taihape Rec	433	24.8	9.4	17.1	+0.4	30.5	29	..	..	40	9	-30	15	17	..
Flat Hills Wxt AWS	263	22.9	11.9	17.4	..	29.8	29	6.4	5	..	..	..	..	..	..
Wanganui,Spriggens Pa	15	23.7	13.9	18.8	+0.5	28.9	9	9.4	5	47	7	-12	19	2	..
Wanganui AWS	8	22.7	13.6	18.2	+0.3	28.0	9	7.9	26	42	7	-20	18	2	..
Wanganui 2 AWS	18	23.7	13.1	18.4	..	29.1	9	8.2	26	..	..	..	..	..	..
Takaka EWS	20	23.3	11.8	17.6	+0.4	27.9	7	7.7	18	158	10	+27	105	14	277
Farewell Spit AWS	3	21.8	14.2	18.0	+0.2	25.6	6	11.2	5	62	9	-30	16	13	..
Westport Aero AWS	2	19.8	12.2	16.0	-0.3	24.1	25	7.2	4	201	16	+43	73	2	..
Arapito	18	20.6	12.0	16.3	-0.3	24.9	29	6.7	4	235	14	+47	54	2	245
Arapito EWS	18	20.7	11.2	16.0	..	25.2	29	3.8	3	216	14	..	50	2	..
Murchison Raws	185	24.6	9.9	17.3	-0.7	34.4	6	4.3	4	160	19	..	47	2	..
Hokitika Aero	39	19.0	10.8	14.9	-0.7	22.2	29	6.5	4	175	14	-73	69	2	252
Hokitika AWS	38	19.1	11.2	15.2	-0.5	22.7	29	6.8	4	145	13	-66	48	2	270
Reefton EWS	198	23.6	10.7	17.2	+0.3	32.4	30	4.8	4	204	15	+58	56	2	240
Greymouth Aero	4	19.4	11.9	15.7	-0.4	22.0	25	6.8	4	187	12	-22	68	2	239
Greymouth Aero EWS	5	18.6	11.8	15.2	..	21.5	30	6.6	4	222	14	..	76	2	262
Pigeon Creek Cws	105	20.9	10.3	15.6	..	29.1	29	5.6	4	354	14	..	119	2	..
Mt Philistine EWS	1655	11.4	3.9	7.7	..	21.9	5	-2.2	4	969	17	..	325	1	..
Ivory Glacier Cws	1390	11.6	4.1	7.9	..	20.0	6	-0.4	3	1183	13	..	375	1	..
Okarito	2	18.5	11.1	14.8	-1.0	23.1	29	6.5	18	288	12	-25	107	1	..

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Metres	°C	°C	°C	°C	°C	°C	°C	°C	mm	mm	mm	Hrs			
Franz Josef	155	20.7	9.7	15.2	+0.2	27.0	30	720	..	+153	240	1	..
Franz Josef EWS	80	20.1	10.0	15.1	+0.0	24.9	30	5.3	18	485	13	..	161	1	269
Haast AWS	5	18.2	10.0	14.1	-0.6	23.6	15	6.6	3	270	15	..	77	9	..
Milford Sound	3	18.7	9.7	14.2	-0.5	23.6	15	5.4	18	600	19	-122	214	9	..
Milford Sound AWS	3	19.4	9.8	14.6	-0.6	25.0	15	5.1	18	607	19	..	200	9	..
Secretary Island AWS	19	17.5	11.6	14.6	-0.2	22.4	29	7.1	18	342	22	+8	91	9	..
Puysegur Point AWS	44	16.7	11.8	14.3	+0.5	24.7	30	8.2	18	..	..	..	..	..	..
Motueka, Riwaka EWS	8	24.4	9.5	17.0	-0.7	29.4	7	3.8	18	115	6	+33	84	14	..
Pelorus Sd, Crail Bay	13	22.3	13.3	17.8	-0.1	27.5	7	7.9	18	156	11	+20	40	14	..
Nelson Aero	2	22.7	12.8	17.8	+0.0	29.1	7	6.4	18	141	7	+64	90	14	306
Nelson AWS	4	23.1	12.7	17.9	-0.2	27.9	7	6.2	18	113	7	..	81	14	..
Blenheim Research EWS	4	23.7	12.6	18.2	+0.1	29.8	7	5.5	18	59	6	+14	31	14	281
Wairau Valley, Mill R	172	24.1	11.8	18.0	..	30.6	31	4.8	18	242	13	..	143	14	..
Blenheim Aero AWS	35	24.6	11.1	17.9	-0.1	31.4	7	4.0	18	69	5	+20	35	14	..
Brothers Island AWS	68	19.6	14.6	17.1	+0.7	24.6	29	10.5	18	75	8	..	26	15	..
Awatere Valley, Dashw	83	23.1	10.7	16.9	-0.9	31.0	7	2.8	18	51	8	..	32	14	..
Grassmere Salt Works	2	23.3	14.5	18.9	+0.5	29.1	11	7.0	18	69	7	+38	46	14	..
Cape Campbell AWS	2	18.5	13.7	16.1	-0.7	21.6	13	9.0	18	63	7	+22	39	14	..
Boyle River Lodge	600	22.6	8.3	15.5	+0.0	32.6	30	2.0	18	292	18	+143	84	2	..
Hanmer Forest EWS	363	23.6	7.6	15.6	-0.4	32.7	5	..	..	160	8	+98	47	14	..
Kaikoura Aero	5	23.2	11.3	17.3	..	..	..	..	..	..	..	..	..	..	..
Kaikoura AWS	105	21.3	12.8	17.1	+0.4	30.8	10	8.3	18	85	9	+46	39	15	..
Arthurs Pass	738	18.7	7.7	13.2	+0.1	28.2	29	1.6	18	728	15	+314	253	2	..
Arthurs Pass EWS	738	18.6	7.7	13.2	-0.1	28.6	29	1.5	18	672	16	+265	240	1	..
Culverden AWS	181	23.2	11.1	17.2	..	31.0	30	3.7	18	..	..	..	..	..	..
Waipara North Branch	560	21.2	9.6	15.4	..	30.2	30	1.1	18	105	9	..	44	2	..
Waiau School Cws	136	25.1	11.0	18.1	..	32.8	31	3.8	18	125	6	..	42	14	..
Cheviot EWS	75	23.7	10.1	16.9	..	31.3	12	4.0	18	94	6	..	29	15	306
Upper Rakaia EWS	1752	11.3	4.0	7.7	..	22.7	5	-2.8	3	511	16	..	174	1	..
Mt Potts EWS	2128	10.9	2.6	6.8	..	23.1	5	-5.5	3	365	17	..	129	9	..
Mt Cook EWS	730	21.4	8.1	14.8	+0.2	32.8	5	0.3	18	1018	14	+596	346	9	215
Snowdon Raws	560	21.8	9.2	15.5	-0.4	31.3	31	1.6	18	125	10	..	43	2	..
Methven, Three Spring	305	22.3	9.6	16.0	..	29.8	13	2.8	18	76	9	..	24	2	..
Methven Cws	313	22.5	10.3	16.4	..	31.9	30	3.6	18	69	9	..	22	2	..
Chertsey Cws	108	22.6	10.3	16.5	..	30.1	13	2.5	18	54	8	..	24	17	..
Winchmore EWS	160	23.8	9.3	16.6	+0.1	31.6	13	2.3	18	65	7	+9	20	17	..
Peel Forest	286	22.8	8.9	15.9	+0.3	30.9	5	2.0	18	115	16	+10	25	2	..
Lismore, Racemans Hou	168	22.2	9.9	16.1	..	30.3	5	3.3	18	68	10	..	19	2	..
Ashburton Council	101	24.6	11.0	17.8	+0.5	33.2	13	4.0	18	79	8	+26	27	17	..
Ashburton Aero AWS	89	23.2	9.9	16.6	..	31.8	13	3.3	18	73	8	..	28	17	290
Wakanui Cws	53	22.1	10.2	16.2	..	30.6	13	4.9	18	66	6	..	19	17	..
Waipara West EWS	130	24.0	11.7	17.9	..	32.0	5	5.6	18	102	7	..	35	14	..
West Eyreton, Larunde	88	22.2	10.0	16.1	..	30.5	31	0.0	14	..	..	..	..	..	..
Rangiora EWS	23	23.8	10.2	17.0	+0.3	33.1	12	3.7	18	30	6	..	11	15	309
Darfield 2 Raws	212	24.5	10.8	17.7	..	32.2	31	3.5	18	52	9	..	16	17	..
Darfield	195	24.2	10.7	17.5	+0.0	33.0	12	3.8	18	51	7	-3	20	17	..
Christchurch Aero	37	23.9	11.1	17.5	+0.3	32.0	12	3.0	18	37	6	+1	10	17	289
Christchurch Gardens	7	23.8	12.4	18.1	+0.6	31.8	23	5.0	18	66	7	+28	23	1	..
Christchurch, Kyle St	6	24.4	12.5	18.5	+1.2	33.0	23	4.3	18	34	6	..	9	2	..
Christchurch, New Bri	12	20.1	13.9	17.0	..	29.3	23	6.7	18	..	..	..	..	..	..
Lincoln, Broadfield E	18	23.5	11.6	17.6	+0.7	31.6	12	2.5	4	30	7	-12	9	17	..
Sugar Loaf AWS	618	20.9	10.5	15.7	..	30.3	31	3.4	3	..	..	..	..	..	..
Lyttelton Harbour	5	21.5	14.3	17.9	+0.2	29.3	13	8.4	3	25	7	..	8	15	..
Leeston Raws	15	25.3	11.2	18.3	..	33.4	13	2.4	4	38	9	..	12	17	..
Dorie Cws @ Leferinks	55	23.8	11.2	17.5	..	..	..	..	..	..	..	..	..	..	..
Akaroa EWS	45	23.6	12.6	18.1	+0.6	30.9	23	7.4	3	77	6	+27	35	15	309
Le Bons Bay AWS	236	20.8	12.1	16.5	+1.1	28.2	5	6.2	18	54	7	..	19	15	..
Lake Tekapo, Air Safa	762	22.1	8.7	15.4	+0.2	31.9	5	0.1	3	103	11	+59	38	2	..
Lake Tekapo EWS	762	21.9	8.2	15.1	+0.0	31.7	5	-0.4	3	101	8	..	38	1	325
Fairlie AWS	403	21.4	9.8	15.6	..	30.3	5	3.7	4	..	..	..	..	..	..
Pukaki Aerodrome AWS	473	25.0	8.7	16.9	..	33.3	31	0.2	18	103	9	..	46	2	..
Hakataramea Valley Cw	355	24.2	8.7	16.5	..	34.8	5	1.5	3	64	8	..	38	2	..
Orari Estate	81	23.2	9.5	16.4	+0.0	31.8	23	3.8	18	70	9	+15	26	2	..

Summary of the records of Temperature, Rainfall and Sunshine January 2013

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		
Orari Estate Cws	81	22.4	9.5	16.0	..	30.9	23	3.9	18	69	9	..	25	2	..
Timaru Aero AWS	26	23.2	8.9	16.1	+0.1	33.0	5	3.2	4	56	10	+9	16	2	..
Timaru EWS	17	21.1	10.9	16.0	+0.0	31.5	23	5.1	3	49	12	+2	19	2	..
Waimate Cws	39	21.6	10.3	16.0	..	30.0	9	5.5	4	72	11	..	29	2	..
Oamaru Airport AWS	30	20.8	10.3	15.6	+0.3	29.3	9	4.2	4	57	10	+13	19	2	..
Albert Burn	1280	15.5	4.7	10.1	..	26.2	5	-2.0	3	472	17	..	135	9	..
Eglinton, Knobs Flat	365	19.9	7.7	13.8	..	28.6	27	0.6	18	322	17	..	123	9	..
Tara Hills AWS	488	23.9	9.3	16.6	+0.3	33.4	5	1.4	18	80	8	+32	38	2	..
Wanaka Aero AWS	352	23.9	10.8	17.4	+0.2	31.6	5	3.4	18	69	8	+14	23	2	..
Naseby Forest 2	607	22.5	7.4	15.0	+0.6	32.0	5	0.5	3	123	10	+49	52	2	..
Windsor EWS	81	21.4	9.1	15.3	-0.2	30.0	5	2.8	4	80	12	+29	27	16	..
Ranfurly EWS	450	22.6	7.6	15.1	+0.0	31.9	5	0.9	3	85	9	+32	39	2	..
Oamaru AWS	40	20.9	9.9	15.4	-0.1	30.0	23	4.0	4	71	17	..	26	2	..
Palmerston	21	21.3	9.1	15.2	+0.2	30.0	5	2.9	4	86	10	+26	30	16	218
Middlemarch EWS	213	23.1	8.3	15.7	+0.2	34.8	5	1.8	4	96	12	..	35	2	221
Swampy Summit AWS	722	17.6	7.1	12.4	..	29.7	5	1.7	3	..	..	..	..	..	..
Dunedin Aero AWS	1	22.4	9.2	15.8	+0.6	34.1	5	3.7	25	..	..	..	..	..	..
Dunedin, Musselburgh	4	20.3	11.3	15.8	+0.5	28.6	5	7.1	4	67	13	-6	16	2	237
Takahe Valley Cws	895	15.6	5.3	10.5	..	24.3	5	-0.6	18	296	16	..	121	9	..
Manapouri, West Arm J	178	19.6	7.8	13.7	-0.9	29.5	30	2.9	18	510	18	..	138	9	..
Manapouri Aero AWS	209	20.2	8.8	14.5	-0.2	28.4	30	2.6	18	138	14	+59	66	9	..
Birchwood Wxt AWS	147	19.9	9.4	14.7	..	..	..	5.0	25	..	..	..	..	..	..
Queenstown	329	23.5	10.3	16.9	+0.0	32.0	5	3.8	18	112	12	+32	46	9	248
Queenstown Aero AWS	354	22.3	9.1	15.7	+0.0	30.6	5	2.3	18	96	12	+32	32	9	266
Lumsden AWS	187	20.9	8.8	14.9	+0.1	29.6	30	2.4	25	145	13	..	68	9	..
Riversdale Aquifer @	125	21.2	8.6	14.9	..	29.8	31	2.0	26	172	16	..	83	9	..
Cromwell EWS	213	25.1	10.3	17.7	+0.0	34.0	5	3.3	18	73	7	..	32	2	306
Lauder EWS	375	24.7	8.0	16.4	+0.2	33.5	5	0.7	18	74	8	+16	36	2	..
Ophir 2	305	24.0	6.8	15.4	..	..	..	1.4	18	73	7	..	32	2	..
Alexandra	150	26.1	10.5	18.3	+0.3	35.2	31	4.4	4	70	8	..	27	2	259
Alexandra Cws	140	25.0	10.5	17.8	..	34.0	5	4.9	4	76	11	..	31	2	..
Clyde 2 EWS	170	25.0	9.5	17.3	..	35.1	5	3.7	4	71	8	..	27	9	..
Roxburgh Wxt AWS	160	22.5	10.4	16.5	..	33.8	5	6.1	3	..	..	..	..	..	..
Ettrick No.2	91	23.9	8.5	16.2	+0.0	33.4	5	4.0	21	94	11	+32	27	2	..
Tapanui	180	22.4	8.4	15.4	+0.8	31.5	5	3.5	..	143	..	+52	..	..	..
Winton 2	44	21.4	9.2	15.3	+0.5	29.5	31	2.0	3	139	14	+38	59	9	201
Gore AWS	123	20.2	9.6	14.9	+0.5	28.7	5	5.9	18	149	14	+51	54	9	..
Invercargill Aero	1	19.6	9.5	14.6	+0.4	29.3	5	5.8	26	156	15	+41	46	9	241
Invercargill Aero AWS	1	19.6	9.5	14.6	+0.5	30.2	5	5.7	25	155	15	..	47	9	..
Invercargill Aero 2 E	..	..	..	..	..	..	..	..	..	149	16	..	45	9	221
Tiwai Point EWS	5	18.6	10.4	14.5	+0.0	28.5	5	6.1	25	141	16	+27	43	9	..
Balclutha, Telford Ew	11	..	..	..	..	..	..	..	..	98	15	..	22	2	265
Nugget Point AWS	129	18.7	9.9	14.3	+0.2	29.4	5	5.9	3	84	17	+3	18	1	..
Tautuku	25	20.7	9.1	14.9	+1.0	31.0	5	5.0	31	127	18	+11	32	9	..
South West Cape AWS	101	16.2	10.5	13.4	+0.3	23.9	30	6.7	3	166	21	+58	49	12	..
Solomon, Taro Is	3	..	25.7	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Munda	6	31.6	24.6	28.1	..	..	..	..	..	..	..	..	..	..	..
Solomon, Auki	11	..	24.9	..	..	..	..	..	..	..	..	..	..	..	..
Solomon, Honiara	56	31.7	24.5	28.1	..	34.4	25	..	..	..	..	..	..	..	..
Solomon, Henderson	9	31.7	23.8	27.8	..	34.0	17	..	..	..	..	..	..	..	..
Nauru Upper Air	6	31.0	25.9	28.5	..	32.6	9	24.1	20	..	..	..	..	..	..
Solomon, Santa Cruz	24	..	24.6	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Sola	13	31.7	..	..	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Pekoa	56	30.8	23.4	27.1	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Lamap	22	32.1	24.5	28.3	..	..	..	..	..	..	..	..	..	..	..
Vanuatu, Bauerfield	20	30.6	22.3	26.5	..	..	..	19.0	18	..	..	..	..	..	..
Vanuatu,Burtonfield	70	29.8	21.5	25.7	..	..	..	..	..	..	..	..	..	..	..
Vanuatu,Aneityum	6	29.7	22.7	26.2	..	..	..	..	..	..	..	..	..	..	..
New Cal, Koumac	18	28.8	24.4	26.6	..	..	..	..	..	..	..	..	..	..	..
New Cal, Oulop	7	29.0	24.8	26.9	..	30.2	23	22.9	14	..	..	..	..	..	..
New Cal, Ouanaham	29	28.9	21.9	25.4	..	30.2	30	17.7	22	..	..	..	..	..	..
New Cal, Poinoimie	13	28.7	21.9	25.3	..	30.9	2	-40.0	9	..	..	..	..	..	..
New Cal, La Tontouta	14	30.2	20.0	25.1	..	35.5	24	17.0	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		
New Cal, Ouanaham	29	28.9	22.4	25.7	..	..	..	16.2	23	..	..	..	..	..
New Cal, Poinoimie	13	28.3	24.0	26.2	..	31.2	18	..	..	..	..	..	..	..
New Cal, La Roche	42	27.0	21.8	24.4	..	..	..	..	..	..	..	..	..	..
New Cal, La Tontouta	14	30.3	20.6	25.5	..	..	..	17.9	16	..	..	..	..	..
New Cal, Nouma	72	27.8	23.7	25.8	..	..	..	..	..	..	..	..	..	..
New Cal, Moue	97	27.3	22.4	24.9	..	30.6	4	..	..	..	..	..	..	..
Wallis Island, Hihifo	27	30.6	25.2	27.9	..	..	..	23.9	16	..	..	..	..	..
Maopopo, Futuna Isla	36	31.1	25.6	28.4	..	..	..	23.7	11	..	..	..	..	..
Samoa, Faleolo	4	..	23.5	..	..	..	..	..	..	..	..	..	..	..
Samoa, Apia	1	..	24.2	..	..	..	..	..	..	..	..	..	..	..
Samoa, Pago Pago Aero	3	30.5	25.4	28.0	..	..	..	22.8	28	..	..	..	..	..
Tonga, Lupepauu	67	29.4	23.9	26.7	..	..	..	20.5	23	..	..	..	..	..
Salote Pilolevu Airpo	2	30.6	24.8	27.7	..	..	..	..	..	..	..	..	..	..
Tonga, Fuaamotu Aero	38	29.6	23.3	26.5	..	..	..	..	..	..	..	..	..	..
CI Rarotonga Aero	7	29.1	23.4	26.3	..	..	..	..	..	..	..	..	..	..
Vanuatu, Saratamata	18	..	23.3	..	..	..	..	..	..	..	..	..	..	..
Hiva Hoa, Atuona	51	31.0	23.2	27.1	..	..	..	22.1	1	..	..	..	..	..
Tahiti - Faaa	1	30.1	24.3	27.2	..	..	..	22.6	18	..	..	..	..	..
Tuamotu, Takaroa	2	28.9	26.6	27.8	..	..	..	..	..	..	..	..	..	..
Tuamotu, Hao	3	29.7	25.4	27.6	..	..	..	22.7	8	..	..	..	..	..
Tuamotu, Hereheretue	3	29.8	24.5	27.2	..	..	..	22.4	26	..	..	..	..	..
Gambier, Rikitea	91	27.0	22.7	24.9	..	..	..	19.9	29	..	..	..	..	..
Tubuai	2	27.2	22.7	25.0	..	..	..	19.3	3	..	..	..	..	..
Rapa	1	23.2	20.0	21.6	..	..	..	13.5	3	..	..	..	..	..
Raoul Island AWS	49	24.1	19.6	21.9	..	26.5	31	14.0	2	169	15	..	70	21	
Enderby Is AWS	40	12.3	8.3	10.3	..	14.3	27	5.4	3	79	25	..	11	20	
Chatham Island Aero A	12	18.4	11.7	15.1	..	23.1	18	5.8	1	53	19	..	13	6	
Georg Von Neumayer	40	-1.3	-6.7	-4.0	..	2.2	17	-14.3	1	..	..	..	..	..
Ant South Pole	2827	-23.9	-26.7	-25.3	..	..	..	..	..	..	..	..	..	..
Halley Bay	30	-2.6	-8.5	-5.6	..	0.3	24	-17.3	5	..	..	..	..	..
Gen Belgrano 2	32	0.6	-7.3	-3.4	..	7.1	27	-13.6	2	..	..	..	..	..
Base Jubany	4	1.4	-2.4	-0.5	..	..	..	..	..	..	..	..	..	..
Dinamet	10	0.5	-2.9	-1.2	..	3.0	26	-6.0	4	..	..	..	..	..
V C Marambio	198	-1.2	-5.9	-3.6	..	6.7	5	-10.0	6	..	..	..	..	..
Eduardo Frei	10	-0.2	-2.6	-1.4	..	1.8	26	-4.6	8	..	..	..	..	..
Arturo Prat		2.0	-2.0	0.0	..	4.6	7	-4.4	17	..	..	..	..	..
Great Wall	10	2.0	-2.4	-0.2	..	..	..	..	..	..	..	..	..	..
Bernado Ohiggins	10	-0.3	-2.7	-1.5	..	3.0	17	-5.9	3	3	3	..	2	28	
Palmer Station	8	3.7	-0.4	1.7	..	6.2	26	-4.4	3	..	..	..	..	..
Rothera Point	16	1.7	-1.5	0.1	..	4.8	24	-6.5	3	..	..	..	..	..
Gen San Martin	4	3.7	-2.7	0.5	..	7.5	28	-7.8	6	..	..	..	..	..
King Sejong	11	0.9	-2.4	-0.8	..	..	..	..	..	..	..	..	..	..
Mawson	16	2.8	-3.6	-0.4	..	5.5	27	-7.6	4	..	..	..	..	..
Davis	13	3.1	-1.7	0.7	..	7.2	25	-4.0	4	..	..	..	..	..
Casey	41	1.3	-4.7	-1.7	..	5.1	19	..	..	..	..	..	..	..
Wilkins Runway East	755	-3.1	-10.8	-7.0	..	..	..	..	..	..	..	..	..	..
Durmout Durville	43	1.0	-3.5	-1.3	..	3.7	31	-7.5	1	..	..	..	..	..
Mcmurdo	24	1.4	-3.1	-0.9	..	5.4	8	-8.7	4	..	..	..	..	..
Casey, Skiway South	392	-0.4	-8.5	-4.5	..	..	..	-16.2	4	..	..	..	..	..
Darwin Airport	31	34.2	19.6	26.9	..	..	..	..	..	..	..	..	..	..
Hobart Airport	4	25.1	11.4	18.3	..	..	..	..	..	..	..	..	..	..
Late returns and corrections for November 2012															
Arapito EWS	18	16.9	7.8	12.4	..	19.3	10	2.7	4	98	13	..	35	17	
Arthurs Pass	738	13.4	4.2	8.8	-0.6	19.8	21	-0.1	4	147	14	-277	85	2	
Dorie Cws @ Leferinks	55	17.4	6.9	12.2	..	26.3	25	0.5	8	..	..	..	..	..
Dunedin Aero AWS	1	16.6	5.6	11.1	-1.0	23.8	2	-2.1	6	..	..	..	..	..
Balclutha, Finegand	6	18.5	6.4	12.5	+0.3	25.0	2	..	..	52	..	+1	10	17
Late returns and corrections for October 2012															
Dorie Cws @ Leferinks	55	16.9	6.2	11.6	..	23.4	31	1.1	20	..	..	..	..	..
Dunedin Aero AWS	1	14.6	4.8	9.7	-0.6	23.2	27	0.5	20	..	..	..	..	..

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 September 2012															
Dorie Cws @ Leferinks	55	15.4	5.2	10.3	..	22.3	25	-1.6	13	..	..	..	..	..
Dunedin Aero AWS	1	15.5	3.8	9.7	+0.9	24.9	29	-4.1	13	..	..	..	..	..

The 'Normal' refers to the present site of the instruments. Standard period for normals is 1981-2010.
 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.