

Errata and updated statistics for the 2014 Annual Climate Summary

Issued: 16 April 2015

Every year, an annual climate summary and a table of annual statistics are provided by NIWA, usually within the first two weeks of January. This summary is based on data available at the time, and often includes preliminary (real-time) annual climate statistics which are as yet not fully quality checked.

Each year during April, the annual statistics from the calendar year prior are updated, including both automated and manual climate station data. The purpose of the update is two-fold; to enable manual climate data to be incorporated, since manual stations typically take 1-2 months for data to be received and entered into the National Climate Database; and to log errata found in subsequent quality checks performed in the National Climate Database, or site visits undertaken in January and February. This update is for the 2014 annual climate summary. This update was based on available data as at 1 April 2015.

Errata and notes

1. Following the update of station data contained within the Water Resources Archive, the rankings for wettest sites in New Zealand for 2014 have changed. The wettest four locations are now: Cropp River at Waterfall (11866 mm), Tuke River at Tuke Hut (10728 mm), Cropp River at Cropp Hut (10655 mm), and Haast River at Cron Creek (8239 mm).
2. Offshore and outlying island stations were not included in this update.
3. Some sites have missing days of data. The number of missing days is indicated by a superscript number next to the annual value in the tables below.
4. The site with the lowest rainfall in New Zealand for 2014, Alexandra CWS, is missing two days of data (5-6 February). Data from nearby sites have been checked and it has been determined that no rain fell on those missing days. Therefore, Alexandra CWS remains the site with the lowest rainfall in New Zealand for 2014.
5. Data were sourced from the National Climate Database (<http://cliflo.niwa.co.nz>), with the exception of 41 rainfall stations contained within NIWA's Water Resources Archive which have a complete set of 2014 data. These are marked with an asterisk (*) in the annual rainfall table here.

Location	Mean temp (°C)				
WHANGAREI AERO AWS ¹	16.1	FAREWELL SPIT AWS	14.3	GREYMOUTH AERO	12.5
MUSICK POINT EWS, AUCKLAND	16.0	TOENEPI EWS	14.2	KOPIA	12.4
KAITAIA AERO EWS	15.9	CASTLEPOINT STATION	14.1	CHRISTCHURCH GARDENS	12.4
AUCKLAND, MANGERE EWS	15.9	WAIROA, NORTH CLYDE EWS	13.9	CHRISTCHURCH, KYLE ST EWS	12.4
PAKURANGA, AUCKLAND	15.9	WANGANUI AWS	13.9	REEFTON EWS	12.3
NORTH SHORE, AUCKLAND	15.8	HAMILTON AWS	13.7	TAUPO AWS	12.1
WHANGAPARAOA AWS	15.7	WELLINGTON AERO	13.7	HOKITIKA AERO	11.9
AUCKLAND AERO	15.6	NEW PLYMOUTH AWS	13.6	LINCOLN, BROADFIELD EWS	11.9
AUCKLAND, HENDERSON NORTH	15.4	CASTLEPOINT AWS	13.6	HOKITIKA AWS	11.8
LINCOLN RD, AUCKLAND	15.4	PALMERSTON NORTH AWS	13.5	TIMARU EWS	11.8
TAURANGA AERO AWS	15.4	MATAMATA, HINUERA EWS	13.4	TAKAPAU PLAINS AWS	11.7
KERIKERI AERODROME AWS	15.3	BLENHEIM RESEARCH EWS	13.4	OKARITO	11.7
DARGAVILLE 2 EWS	15.3	LEVIN AWS	13.3	RANGIORA EWS	11.7
HICKS BAY AWS	15.3	NELSON AERO	13.3	TURANGI 2 EWS	11.6
PORT TAHAROA AWS	15.2	PARAPARAUMU AERO	13.2	DARFIELD	11.5
PENROSE EWS, AUCKLAND	15.0	WELLINGTON, KELBURN AWS	13.2	CHRISTCHURCH AERO	11.5
AUCKLAND, WHENUAPAI AWS	14.9	NELSON AWS	13.2	MOTU EWS	11.4
TE PUKE EWS	14.9	PARAPARAUMU AERO AWS	13.1	FRANZ JOSEF EWS	11.4
WHITIANGA AERO AWS	14.8	WESTPORT AERO AWS	12.9	HAAST AWS	11.4
PUKEKOHE EWS	14.8	LYTTELTON HARBOUR	12.9	ALEXANDRA	11.2
AUCKLAND, ARDMORE	14.7	ROTORUA AERO AWS	12.8	ORARI ESTATE	11.1
GISBORNE AWS	14.7	HAWERA AWS	12.8	OAMARU AWS	11.1
NAPIER NELSON PARK	14.7	MOTUEKA, RIWAKA EWS	12.8	DUNEDIN, MUSSELBURGH EWS	11.1
WARKWORTH EWS	14.5	BLENHEIM AERO AWS	12.8	QUEENSTOWN	11.1
PAEROA AWS	14.5	KAIKOURA AWS	12.8	WANAKA AERO AWS	11.0
NAPIER AERO AWS	14.5	MARTINBOROUGH EWS	12.7	CROMWELL EWS	11.0
HAMILTON, RUAKURA 2 EWS	14.4	WHAKATU EWS	12.7	MILFORD SOUND AWS	10.9
WANGANUI, SPRIGGENS PARK	14.4	TAKAKA EWS	12.7	MILFORD SOUND	10.8
WHAKATANE AERO AWS	14.3	CAPE CAMPBELL AWS	12.7	ETTRICK NO.2	10.8
MAHIA AWS	14.3	WALLACEVILLE EWS	12.6	WINTON 2	10.7
		STRATFORD EWS	12.6	TIMARU AERO AWS	10.6

¹ AWS – operated by MetService. EWS – operated by NIWA.

OAMARU AIRPORT AWS	10.6
TIWAI POINT EWS	10.6
TAUTUKU	10.6
PALMERSTON	10.4
DUNEDIN AERO AWS	10.4
PEEL FOREST	10.3
GORE AWS	10.3
INVERCARGILL AERO	10.3
LAUDER EWS	10.2
INVERCARGILL AERO AWS	10.2
BOYLE RIVER LODGE	10.1
HANMER FOREST EWS	10.1
SNOWDON RAWS	10.1
TARA HILLS AWS	10.1
QUEENSTOWN AERO AWS	9.9
RANFURLY EWS	9.8
LUMSDEN AWS	9.8
MANAPOURI, WEST ARM JETTY	9.6
WAIOURU TREATMENT PLANT	9.5
MANAPOURI AERO AWS	9.5
LAKE TEKAPO EWS	9.1
MIDDLEMARCH EWS	9.1
MT COOK EWS	9.0
NASEBY FOREST 2	9.0
LAKE TEKAPO, AIR SAFARIS	8.7
ARTHURS PASS	8.1
MT RUAPEHU, CHATEAU EWS	7.9

Location	Rainfall (mm)
CROPP AT WATERFALL*	11866
TUKE AT TUKE HUT*	10728
CROPP AT CROPP HUT*	10655
HAAST AT CRON CREEK*	8239
HOKITIKA AT PRICES FLAT*	7737
IVORY AT RIPPLEROCK*	7476
WAIHO AT DOUGLAS HUT*	7259
HOKITIKA AT COLLIER'S CREEK*	7257
HOKITIKA AT RAPID CREEK*	7102
NORTH EGMONT	6547
GODLEY AT PANORAMA RIDGE*	6360
HAAST AT ROARING BILLY*	6160
RAKAIA AT LAKE RAMSAY*	6000
FRANZ JOSEF	5964
WHATAROA AT SH BRIDGE*	5905
GODLEY AT EADE HUT*	5333
INCHBONNIE 2	5306
ARTHURS PASS	4957
HAAST AT MOA CREEK*	4839
MT COOK EWS	4637
FRANZ JOSEF EWS	4630
LOWER WHATAROA	4604
TAIPO AT SH BRIDGE*	4525
MATHIAS AT NZDSA HUT*	4440
MANAPOURI, WEST ARM JETTY	4209
KOWHITIRANGI NO 2	4036
BUTCHERS CREEK AT BUTCHERS GULLY*	3850

PUTARA	3451
KOKIRI, MAORI GULLY ROAD	3350
ROSS	3331
COLLINGWOOD, FERNTOWN	3293
OKARITO	3193
AHURIRI AT CASSINIA MORAINES*	3183
PUKEITI	2965
COBB AT TRILOBITE*	2894
MT RUAPEHU, CHATEAU EWS	2788
WAITUTU CWS	2782
WHAKAPAPA AT MT RUAPEHU EWS*	2776
PAROA	2538
EGLINGTON, KNOBS FLAT CWS	2509
NGAHERE AT NGAHERE HUT*	2486
MAKARORA STATION	2461
MAHOENUI 2	2456
ROUTE BURN STATION	2423
WAIPOA AT MANGATU DIVIDE*	2377
TAKAHE VALLEY CWS	2369
AHITITI STATION	2361
MAKOTUKU AT F TRIG*	2303
CHILTERN	2233
BOYLE RIVER LODGE	2230
WHARAWHARA WATER STATION	2183
MT PIRONGIA MAKEOKEO	2182
UPPER TAKAKA 2	2112
GLENOCHY	2101
WHAKAMARAMA	2097
BAKER ROAD, NEW PLYMOUTH	2078
COROMANDEL, COROGLLEN	1992
TONGARIRO AT WAIPAKIHI*	1931
PAKAWAU 2	1927
COBB POWER STATION	1922

WAINGAKE	1889	WOODSIDE 2	1599	TE WHARAU, GLENBURN	1327
WHANGAPOUA 2	1888	EARNSLAW	1597	PATIKI	1322
KAEO NORTHLAND	1877	TE PUKE EWS	1597	MATAPOURI	1320
HOME BURN STATION	1871	TATARAMOA MAKURI	1591	OCEAN BAY	1320
LAKE MANGAMAHOE	1863	QUARRY HILLS	1586	OHUI, GISBORNE	1319
MANGAKOWHAI	1838	TONGARIRO HATCHERY	1573	MANGAMINGI, AORERE RD	1317
TE REHUNGA	1826	WAIKAWA VALLEY, BLACKTHORN	1573	SMEDLEY	1298
PURANGI	1824	RAETIHI NO.2	1557	UPPER HUTT, TENNYSON ST	1283
KENNEDY BAY	1809	WAIHAU	1544	RODING RIVER	1280
MOKAIRAU, PAKARAE	1798	WHATAWHATA 2 EWS	1528	RAGLAN, KARIOI	1279
LAKE RATAPIKO	1774	ROUND HILL	1522	WAIERUA	1279
LOTTIN POINT	1764	OREPUKI 2	1520	AUCKLAND, HENDERSON NORTH	1278
RINGS BEACH	1763	RAWENE 2	1504	MAHANA LODGE	1266
BRENTWOOD	1744	WAIKAWA AT NGAROMA RD*	1469	MAROKOPA	1266
TAREHA	1729	PELORUS SOUND, CRAIL BAY	1467	WAIHARARA	1251
RUSSELL	1720	TE KAIHI	1457	TE HORO, JONELLE	1242
STRATFORD EWS	1718	GLENTHORNE	1449	EASTERN BUSH	1238
KAIHOKA	1679	KAITAIA AERO EWS	1425	WAIKANAE WATERWORKS	1235
OWHANGO, KAKAHI TCE	1677	LILLBURN	1413	TE HORO, LONGCROFT	1231
TARATA	1668	MAKARETU NORTH	1392	ANIWHENUA	1224
PARAKAO	1665	WAIROA, WAIPUTAPUTA STATION	1386	BYWELL STATION	1222
MURCHISON, FAIRFAX ST	1661	LINKWATER	1379	EASTRY STATION	1220
PUHATA	1660	OTAMATUNA, TE MAPOU HUT	1370	GREENTOPS	1218
RIVERLEA	1659	EDGE CUMBE	1370	KOHATU, HIGHFIELD 2	1212
HAPUKU-GRANGE HILL	1649	PUREORA FOREST CWS	1356	MAMARANUI	1210
KARANGAHAKE GORGE	1643	TAURANGA-TAUPO AT KIKO RD*	1352	AKAROA EWS	1209
MOTU, WAIWHERO	1641	OPOURIAO	1349	MOTUEKA, RIWAKA EWS	1203
RUKUHANGA STATION	1636	WARKWORTH EWS	1347	WELLINGTON, KELBURN AWS	1200 ²
GREY MOUTH AERO	1618	WAIHEKE ISLAND, AWAROA VALLEY	1343	PUKEHINAU	1196
KAKA 2	1616	PURUKOHUKOHU AT NO 4*	1340	TITIRANGI BAY	1195
GRAHAM POKORORO 2	1614	WHALESBACK STATION	1338	LICHFIELD, SCRIVENERS ROAD	1194
OWHANGO	1609	KAWHIA	1335	TRENTHAM RACECOURSE	1183
TAKAKA POHARA	1600	MONOWAI	1332	TAUTUKU	1182

TUTIRA CWS	1170	KOMAKO	1078	DUNEDIN, BOTANICAL GARDENS	1002
BRANDY CREEK	1168	WHAKAURU AT MOSSOP RD*	1077	KOPIA	995
CAMBRIDGE	1160	MELROSE STATION	1074	HUNTERVILLE, KOEKE EAST	988
DARGAVILLE 2 EWS	1160	WAIHIRERE, GLANAVON	1073	MAKAIRO	987
NGAHINAPOURI	1160	AUCKLAND AERO	1070	WAIKATO AT CAMBRIDGE GOLF COURSE*	986
AKITIO EWS	1158	HAMILTON AWS	1038 ⁴	HOT SPRINGS MIRANDA	984
KIRITAKI	1154	NGAKURU	1058	GISBORNE EWS	982
HAWERA AWS	1153	PEEL FOREST	1058	PURUNUI, BLAIRLOGIE	979
WAIPUNA WOODVILLE	1150	KARAPIRO	1056	WAIAWA, WHAREAMA	977
LAGOON HILL	1148	JUDGEFORD	1054	HANMER FOREST EWS	975
MANGARE STREAM AT MANGARE RD*	1146	WINTON 2	1053	LEIGH 2 EWS	974
MANGATAWHIRI	1144	KAIKOURA PLAINS	1051	KAWEKU	969
MAUNGATAUTARI	1142	HORSHAM DOWNS 2	1048	WAIOURU TREATMENT PLANT	967
WHANGANUI AT BELOW PIRIAKA*	1136	WAIPAPA AT TTT RD CULVERT*	1048	HASTINGS, FLAG RANGE RD	966
MANAKAU	1130	TE AROHA, BOWLER ROAD	1046	MANDEVILLE	966
AUCKLAND, ARDMORE	1120	PAHIATUA EWS	1044	AUCKLAND, MANGERE EWS	964
HUNTER VALLEY 2	1118	ORARI GORGE	1041	KOPURIKI, GRANT RD	962
WALLACEVILLE EWS	1117	ARAMOANA	1040	ALFORD FOREST 1	960
CASTLEPOINT STATION	1113	EASTWOODHILL STATION 2	1039	MT SOMERS	960
INVERCARGILL AERO	1113	TAPAWERA 2	1035	MANGAKINO AT DILLON RD*	953
LAKE TAYLOR STATION	1105	WAKARUA	1035	NGAIO DOWNS	953
POKAIWHENUA AT PUKETURUA*	1103	HALDON DOWNS	1034	KIMBELL	952
FERNIEHURST	1098	MARANGAI STATION	1029	OXTON	952
MOTUPIKO	1098	RAKAIA AT DRY ACHERON*	1027	ROSEBANK	952
RIPIA	1096	NGAPUKE 2	1024	CHEVIOT, MONTGOMERY STREET	951
INAHA	1094	GOVERNORS BAY	1023	THE DOWNS	949
THORNTON EAST	1092	HAMILTON, RUAKURA 2 EWS	1023	NGAHERE ITI	936
HAWKSWOOD	1090	GLENTUI 1	1018	TAIHAPE REC	924
TURANGI 2 EWS	1088	TIWAI POINT EWS	1017	PONGAROA, WAIKAKAHI RD	920
WAIMARINO AT KEPA RD*	1088	BRIGHTWATER 2	1016	LAKE KARAPIRO CWS	916
BRIGHTWATER, TEAPOT VALLEY	1087	TAURANGA AERO AWS	1014 ²³	HILLEND	911
PIRINOA	1086	BROCKWORTH	1012	WAITUNA	911
ESKDALE HEDGELEY	1085	GWAVAS	1009	BULLS, FOREST ROAD	910

KEREPEHI	908	GLADSTONE TE KOPI	788	QUEENSTOWN AERO AWS	701
KEINTON COMBE	906	WARD,CHANCET	788	PREBBLETON VALWAY	699
WAIWHERO STATION	906	OPIKI	785	HAWEA FLAT	694
GREATFORD	903	MARTINBOR,RIVERSIDE	779	RAINBOW POINT	694
WAIRAU VALLEY, SOUTHWOLD	901	CHRISTCHURCH (RICCARTON)	775	GLENTHORNE LOWER STATION	688
TOENEPI EWS	893	SOUTHERN RESERVOIR	773	METHVEN CWS	683
MATUKITUKI AT WEST WANAKA*	888	FLEMINGTON	770	MAGNET BAY	681
MAPUA	884	MT NIMROD 2	770	CARDRONA	676
RAKAIA, GREENFIELDS	884	MANA ISLAND	769	DUNEDIN, MUSSELBURGH EWS	674
DUNEDIN, BALACLAVA	870	LEE FLAT	764	KAKAHU BUSH	671
QUEENSTOWN	868	MOAWHANGO, POKAKA	764	LAKE COLERIDGE HOMESTEAD	670
NELSON AERO	861	MCQUEENS VALLEY	759	NAPIER NELSON PARK	669
WAIRARAPA CADET FARM	855	BALCLUTHA, FINEGAND	755	ONGAONGA	662
WANGANUI, SPRIGGENS PARK	849	LAKE PUKAKI, GUIDE HILL	754	NAPIER AERO AWS	658
MORRINSVILLE, GEORGE ST	841	BALCLUTHA, TELFORD EWS	751	RIVERSIDE	655
SANSON, NGAHERE	833	CHEVIOT EWS	749	GREENPARK	648
WAIKATO AT REIDS FARM*	832	KAHUTARA	747	HINDON, ARDACHY	643
LOVELLS FLAT	830	AHURIRI AT SOUTH DIADEM*	745	CHRISTCHURCH AERO	640 ²
BAVERSTOCK WAIWERA	829	ROTOWAI	736	LEESTON, JOLLIES ROAD	632
WAIOTAPU AT REPOROA*	819	MT VERNON 2	733	WAIPARA, WATTLE GROVE	631
INCHCLUTHA, TELEGRAPH RD	815	ISLAY DOWNS	731	MOSGIEL TOWN	628
BAINESSE	809	HORORATA WEST	729	BALMORAL, OUTRAM	626
DANNEVIRKE EWS	808	MAUNGATUA	728	FOXDOWN STATION	624
GLEN OROUA, MILNER ROAD	808	MARTINBOROUGH EWS	723	LINCOLN, BROADFIELD EWS	618
FEILDING SANDON RD	804	LYNDHURST LIMewood FARM	719	CHERTSEY CWS	597
SPRINGBURN	803	LONG BEACH	718	NASEBY FOREST 2	596
CHRISTCHURCH GARDENS	802	AWATERE VALLEY, UPCOT	715	RANGIORA EWS	595
GREEN ISLAND, KAIKORAI E	799	AMBERLEY, RED OAK	713	MELFORD HILLS	594
HORORATA	794	DARFIELD	709	BLENHEIM AERO AWS	592
ARROWTOWN NO2	793	LAKE TEKAPO, AIR SAFARIS	707	PALMERSTON	592
GLADSTONE,BANNOCKBURN	791	ASHBURTON COUNCIL	705	TROTTERS CREEK	586
MASTERTON, TE ORE ORE CWS	790	MOAWHANGO, HOMESTEAD	703	WHAKATU EWS	585
PUKEOKAHU, KOITIATA	790	ROSE HILL	703	TE KURA 2	585

ORARI ESTATE	583	AKITIO EWS	2256 ¹
ROXBURGH, HILLTOP	558	KAWERAU AWS	2243 ¹⁵
COLDSTREAM NO 3	534	AUCKLAND, MANGERE EWS	2204
TIMA	519	KAITAIA EWS	2190 ⁵
LAKE TEKAPO EWS	515	TURANGI 2 EWS	2170
BLENHEIM RESEARCH EWS	509	HAMILTON, RUAKURA 2 EWS	2126 ¹
LAKE TEKAPO, MT HAY STATION	509	PARAPARAUMU AERO	2112 ¹
WANAKA AERO AWS	509 ¹	CHRISTCHURCH AERO	2110 ²
ETTRICK NO.2	481	AKAROA EWS	2082
BANNOCKBURN	476	WELLINGTON, KELBURN	2057 ¹
LAUDER FLAT	469	DARGAVILLE 2 EWS	2044
MATAKANUI	424	BALCLUTHA, TELFORD EWS	2043
LAUDER EWS	345 ³	TAUMARUNUI AWS	2037 ²
CROMWELL EWS	330	MARTINBOROUGH EWS	2035
CLYDE 2 EWS	319	DANNEVIRKE EWS	2028
MIDDLEMARCH EWS	310	STRATFORD EWS	2006
ALEXANDRA CWS	305 ²	GREYMOUTH AERO EWS	1999 ¹

Location	Sunshine (hours)
WHAKATANE	2711
BLENHEIM RESEARCH EWS	2511 ¹
LAKE TEKAPO EWS	2505 ¹
NELSON AERO	2486
GISBORNE AWS	2482 ³
WAIPARA WEST EWS	2460 ¹²
APPLEBY 2 EWS	2441 ¹⁰
TAURANGA AERO	2436
TAKAKA EWS	2368 ⁵
CROMWELL EWS	2319
CHEVIOT EWS	2297
RANGIORA EWS	2284
ASHBURTON AERO AWS	2258 ⁵

OHAKUNE EWS	1974 ¹¹
PALMERSTON NORTH EWS	1828 ²
MIDDLEMARCH EWS	1798
HOKITIKA AERO	1797 ²
WALLACEVILLE EWS	1844
INVERCARGILL AERO	1696 ¹
REEFTON EWS	1676
MT COOK EWS	1591