



Australian Government
Bureau of Meteorology

Monthly Weather Review Australia June 2016



The *Monthly Weather Review - Australia* is produced by the Bureau of Meteorology to provide a concise but informative overview of the temperatures, rainfall and significant weather events in Australia for the month.

To keep the *Monthly Weather Review* as timely as possible, much of the information is based on electronic reports. Although every effort is made to ensure the accuracy of these reports, the results can be considered only preliminary until complete quality control procedures have been carried out. Any major discrepancies will be noted in later issues.

We are keen to ensure that the *Monthly Weather Review* is appropriate to its readers' needs. If you have any comments or suggestions, please contact us:

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Units of measurement

Except where noted, **temperature** is given in degrees Celsius (°C), **rainfall** in millimetres (mm), and **wind speed** in kilometres per hour (km/h).

Observation times and periods

Each station in Australia makes its main observation for the day at 9 am local time. At this time, the precipitation over the past 24 hours is determined, and maximum and minimum thermometers are also read and reset. In this publication, the following conventions are used for assigning dates to the observations made:

Maximum temperatures are for the 24 hours *from* 9 am on the date mentioned. They normally occur in the afternoon of that day.

Minimum temperatures are for the 24 hours *to* 9 am on the date mentioned. They normally occur in the early morning of that day.

Mean temperatures are the average of the daily maximum and daily minimum temperatures.

Daily rainfall is for the 24 hours *to* 9 am on the date mentioned. This means a significant fraction of the rain may have occurred on the previous calendar day.

Monthly rainfall is for the period from 9 am on the last day of the previous month to 9 am on the last day of this month.

Maximum daily wind gusts are in the 24 hours from midnight to midnight.

Climatological values

The climatological averages shown in the text and tables are generally long-term means based on observations from the years 1961–1990. They are not shown for sites with less than 25 years of record in that time, as they cannot then be calculated reliably. Climatological extremes are generally taken from all available years of record; the number of years can vary markedly from site to site.

Records

The tables of records are not exhaustive, as they only show sites with at least 30 years of record. This may exclude locations where a new site has been established; this means even some major cities and towns may not be listed.

Maps

The temperature and rainfall maps are intended to give an overview of the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps.

Accessing data

Tables of daily values for selected sites are included toward the back of the *Monthly Weather Review*. Data from many more sites and for other times are available from www.bom.gov.au/climate/data/.

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Cover photograph

Snow falling on Old Farm Fire Trail, Wellington Park, Tasmania.

Photograph by Ian Barnes-Keoghan, 11 June 2016. Copyright © Ian Barnes-Keoghan 2016. Used with permission.

Overview

- Australia's second-wettest June on record, amongst the ten wettest Junes for New South Wales, Tasmania, Queensland and South Australia
- Damaging East Coast Low during the first week of the month
- Australia's fourth-warmest mean minimum temperature on record for June
- Days very much warmer than average in tropics, fourth-highest June mean maximum temperature on record for Northern Territory
- Mean minimum temperature in the top-ten for all States and Territories apart from Victoria

June 2016 was a very wet month over most parts of Australia, and ranked as the second-wettest June on record nationally, surpassed only by the record wet June in 1923, 93 years ago. Monthly rainfall was above average for most areas, excluding western Victoria and adjacent southwestern New South Wales and southeastern South Australia, parts of the Top End, and northern and western Western Australia. Monthly rainfall was below average for southwest Western Australia and parts of the Kimberley.

Two major events during June, one in the first week and one in the third, provided a large proportion of the month's rain. Some sites had their highest daily or monthly rainfall for June (see page 18). The early June

event was associated with an East Coast Low and produced major flooding in Tasmania and in parts of coastal New South Wales – a Special Climate Statement was issued for this event. Both rainfall events initially produced widespread rain in the interior of Australia before moving towards the east coast, alleviating rainfall deficiencies in parts of central Queensland which had persisted around the one year timescale.

June was a warm month for nearly all of Australia for minimum temperatures, and warm to record-warm for northern Australia for maximum temperatures, although days were cooler than average for the southern half of Western Australia, western South Australia, and much of the inland area of southern Queensland and New South Wales. Nationally, maxima were close to average for Australia as a whole; however, June was the fourth-warmest on record for maximum temperatures in the Northern Territory. Minima were fourth-warmest on record for June for Australia as a whole, with individual States and the Northern Territory, excluding Victoria, around one and a half to three degrees warmer than average. A number of sites set new records for high daily maximum or minimum temperatures (see page 13), with a number of monthly records also set.

Areal averages in June 2016

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	+127% 2nd-highest	+0.38 °C	+2.22 °C 4th-highest	+1.30 °C 6th-highest
Western Australia	+55%	+0.27 °C	+1.49 °C 9th-highest	+0.88 °C
Northern Territory	+199%	+1.78 °C 4th-highest	+3.08 °C 5th-highest	+2.43 °C 4th-highest
South Australia	+133% 10th-highest	-0.50 °C	+1.91 °C 9th-highest	+0.71 °C
Queensland	+218% 6th-highest	+0.50 °C	+3.12 °C 3rd-highest	+1.81 °C 7th-highest
New South Wales	+199% highest	-0.55 °C	+2.02 °C 7th-highest	+0.74 °C
Victoria	+36%	-0.07 °C	+0.69 °C	+0.31 °C
Tasmania	+108% 3rd-highest	+0.43 °C	+1.57 °C 5th-highest	+1.00 °C 10th-highest

Extremes in June 2016

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	37.9 °C at Bradshaw (NT) on the 7th	−9.0 °C at Liawenee (Tas.) on the 1st	430.0 mm at Coramba (Glenfiddich) (NSW) on the 5th	29.5 °C at Coconut Island (Qld)	−0.3 °C at Thredbo AWS (NSW)	693.8 mm at Robertson (The Pie Shop) (NSW)	139 km/h at Maatsuyker Island Lighthouse (Tas.) on the 10th and Kunanyi (Mount Wellington Pinnacle) (Tas.) on the 14th
Western Australia	37.4 °C at Kununurra Aero on the 7th	−3.5 °C at Eyre on the 3rd	71.8 mm at Dampier Salt on the 7th	29.3 °C at Troughton Island	10.1 °C at Newdegate Research Station and Norseman Aero and Wandering	227.0 mm at Margaret River	96 km/h at Rottneest Island on the 7th
Northern Territory	37.9 °C at Bradshaw on the 7th	−0.3 °C at Arltunga on the 29th	57.0 mm at Avon Downs on the 19th	28.7 °C at Oenpelli Airport	14.2 °C at Curtin Springs	72.5 mm at Alice Springs Golf Club	76 km/h at Walungurru Airport on the 7th
South Australia	26.4 °C at Moomba Airport on the 8th	−4.2 °C at Yunta Airstrip on the 13th	99.0 mm at Whyalla (Mullaquana) on the 18th	14.3 °C at Oodnadatta Airport	8.3 °C at Mount Lofty	223.8 mm at Piccadilly (Mount Lofty Botanic Garden)	111 km/h at Cape Willoughby on the 23rd and Neptune Island on the 23rd
Queensland	35.3 °C at Camooweal Township on the 8th and Century Mine on the 8th	−4.5 °C at Stanthorpe Leslie Parade on the 26th	280.4 mm at Coolangatta on the 5th	29.5 °C at Coconut Island	9.9 °C at Applethorpe and Stanthorpe Leslie Parade	591.4 mm at Bellenden Ker Top Stn	107 km/h at Inner Reciprocal Marker on the 19th
New South Wales	31.0 °C at Casino Airport AWS on the 9th	−8.4 °C at Perisher Valley AWS on the 12th and 26th	430.0 mm at Coramba (Glenfiddich) on the 5th	17.1 °C at South West Rocks (Smoky Cape Lighthouse)	−0.3 °C at Thredbo AWS	693.8 mm at Robertson (The Pie Shop)	130 km/h at Thredbo AWS on the 30th
Victoria	20.8 °C at Lakes Entrance (Eastern Beach Road) on the 17th	−7.6 °C at Mount Hotham on the 27th	101.4 mm at Cabbage Tree Creek on the 21st	12.8 °C at Gabo Island Lighthouse	−0.1 °C at Mount Hotham	447.8 mm at Falls Creek (Rocky Valley)	124 km/h at Wilsons Promontory Lighthouse on the 11th
Tasmania	19.6 °C at Strahan Aerodrome on the 5th	−9.0 °C at Liawenee on the 1st	248.0 mm at Loongana (Serendipity) on the 6th and Yolla (Sea View) on the 6th	12.2 °C at Flinders Island Airport and Swan Island	2.5 °C at Kunanyi (Mount Wellington Pinnacle)	534.8 mm at Mount Victoria (Una Plain)	139 km/h at Maatsuyker Island Lighthouse on the 10th and Kunanyi (Mount Wellington Pinnacle) on the 14th

In this table *Hottest day* is the highest daily maximum temperature, *Coldest night* is the lowest daily minimum temperature, *Wettest day* is the highest daily rainfall total, *Warmest overall* is the highest mean monthly temperature, *Coolest overall* is the lowest mean monthly temperature and *Wettest overall* is the highest total monthly precipitation.

East Coast Low early in the month

During the first week of June a complex East Coast Low developed over the Tasman Sea, interacting with an extensive upper level trough over eastern Australia and a high pressure system over New Zealand. High winds, large waves, coastal erosion, and very heavy rainfall resulted between 4 and 7 June, causing flooding in areas of southeast Queensland, eastern New South Wales, eastern Victoria, and large areas of northern Tasmania. Over 10 000 jobs were registered with the New South Wales State Emergency Service (SES) from the event and natural disasters were declared in 41 Local Government Areas of that State.

A number of daily rainfall records (see page 18) for any month were set in northern Tasmania, with June daily rainfall records also set at locations in southeast Queensland and eastern New South Wales. More details can be found in Special Climate Statement 57 – extensive early June rainfall affecting the Australian east coast.

Heavy rainfall and flooding in Queensland and New South Wales

A broad upper level trough produced areas of rain and thunderstorms in southwestern Queensland on the 17th. The upper level trough intensified significantly as it tracked eastwards, and a rain band developed over central Australia on the 18th producing widespread rain in inland New South Wales and the Central West and the Maranoa and Warrego districts of Queensland as well as large amounts of small hail in Richmond (Queensland). On the 19th, the upper trough strengthened further then shifted east-southeast over Queensland during the day, whilst a surface low located over the southern interior shifted into northern New South Wales during the day. A band of thunderstorms and heavy rainfall extended inland of the southern Queensland coast, from about Caboolture to the Gold Coast. River level rises and minor to moderate flood levels were recorded in the areas of heaviest rainfall, with flood warnings issued for several catchments in central southern and southeast Queensland. Flash flooding affected parts of southeast Queensland on the 19th.

An East Coast Low subsequently developed off the south coast of New South Wales from the 20th, producing further heavy rain in eastern parts of New South Wales and Victoria before moving offshore and wind gusts of up to 115 km/h at Green Cape. The rain fell on already wet catchments, causing some additional flooding, most notably in Ungarie, where parts of the town were evacuated. The SES received

an additional 1200 requests for assistance during this event, with 11 flood rescues undertaken.

Widespread major flooding in Tasmania

The East Coast Low that affected eastern Australia in the first week of the month brought significant flooding, damaging winds and damaging surf to Tasmania. There was exceptionally heavy rain over several days in the north and northeast of the State, with locations receiving over 200 mm of rainfall in the 24 hours to 9 am on the 6th and some reporting their wettest day for any month on record (see page 18). The rain resulted in widespread flash flooding and riverine flooding. All rivers across the north of the State and a few in the south experienced very strong flows. Forecast locations in seven catchments (Mersey, Forth, Meander, South Esk, North Esk, Macquarie and Derwent) exceeded major flood levels, with some sites breaking long-standing records from previous noteworthy events in 1929 and 1970.

Two people have been confirmed dead and one remains missing in areas affected by flooding during the event. Around 2400 cubic metres of water flowed down the South Esk over Trevallyn Dam each second at the peak of the flood, testing levee systems in both Longford and Launceston. Across the State, more than 200 homes and businesses were inundated, with evacuation centres activated in several main population centres. There was extensive damage to infrastructure, including 35 bridges, isolating some communities in the north west for several days. Essential services such as water, sewerage and power were also affected in some areas. The Port of Devonport was closed for five days due to high flows and debris from the Mersey River, confining the Spirit of Tasmania to port. Rail freight operations were also suspended statewide after major damage to rail infrastructure including the Kimberley rail bridge over the Mersey River. Large areas of agricultural land were inundated along the major rivers. Hundreds of livestock were lost in the flood waters and machinery, outbuildings, crops and fences were damaged. The State Government has estimated that the damage bill may exceed one hundred million dollars, with several bridges not expected to be repaired for some time.

A second event later in the month brought more rain to already saturated catchments. Rivers responded rapidly, with minor to moderate flooding developing in North Esk, South Esk, Jordan, Macquarie and Meander catchments from the 21st to the 26th, although flows were much less than the previous event.

Strong winds and high tides in southwest Western Australia and South Australia

The passage of a strong cold front and a developing low off the south coast produced squally conditions over southwest Western Australia during the evening of the 6th and into the 7th. A residual storm tide of 20 cm to 30 cm was recorded at the Albany and Bremer Bay tide gauges. Some roof damage was reported in Denmark and Albany. Other damage was reported from Margaret River and Augusta.

An associated low pressure system intensified over western Bight waters overnight on the 7th, then tracked eastwards during the 8th and 9th, with the main centre passing near Port Lincoln late on the 8th, near Adelaide pre-dawn on the 9th, and then moving into northwest Victoria.

Well ahead of the low strong northerly winds briefly reached gale force at Ceduna late during the evening on the 7th and at Cleve early on the 8th. Sustained gale force northwest winds with gusts around 90 km/h affected parts of the West Coast during the afternoon of the 8th as the low passed to the near south. At Streaky Bay a boat sank and trees and power lines were brought down by the wind. Further south at Sheringa a shed lost part of its roof. Winds were near gale force with a gust of 93 km/h at Coles Point on the Lower Eyre Peninsula around mid-evening and also briefly gale force at Snowtown and Roseworthy in the Mid North early on the 9th.

Hail storms in Central Australia

Significant thunderstorms occurred in the Alice Springs region on the 17th, with golf-ball sized hail reported in the area.

Heavy rainfall in South Australia

On the 18th heavy rain generated by a slow-moving upper level low affected parts of the Eastern Eyre Peninsula between Cleve and Whyalla during the night and early morning. Localised flash flooding led to the between Iron Knob and Whyalla being cut for a period. The highest recorded rainfall was 99 mm at Mullaquana southwest of Whyalla, with most of this occurring between 2 am and 10 am.

Winds and heavy showers in South Australia from a cold front

On the 21st a band of heavy showers associated with a cold front moved through the southern suburbs of Adelaide early in the afternoon. One of these showers spawned a tornado which toppled trees and caused roof damage to seven homes along a 3.5 km path in Hallett Cove and Reynella.

A vigorous cold front swept across the south of South Australia during the morning of the 23rd. Strong northwest winds ahead of the front were briefly gale force with gusts to 95 km/h at Strathalbyn on the eastern slopes of the Mount Lofty Ranges. Severe wind gusts occurred on Kangaroo Island as the front moved through, with recorded gusts to 90 km/h at Cape Borda and 111 km/h at Cape Willoughby.

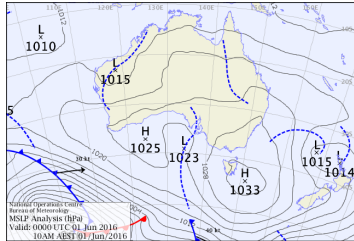
On the 24th strong and squally winds with localised severe gusts affected parts of the Lower Eyre Peninsula, Yorke Peninsula and Kangaroo Island during the night and early morning. Gust of 90 to 95 km/h were recorded at Coles Point, Minlaton and Cape Willoughby.

Snow in New South Wales

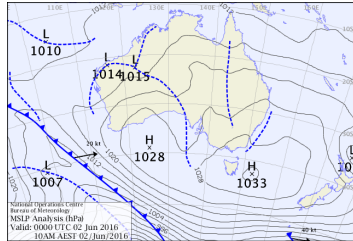
Snow was reported in parts of Central and Northern Tablelands of New South Wales between the 26th and 28th, resulting in several road closures.

Synoptic analyses and summary

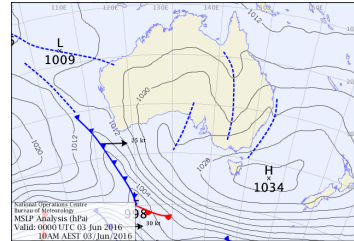
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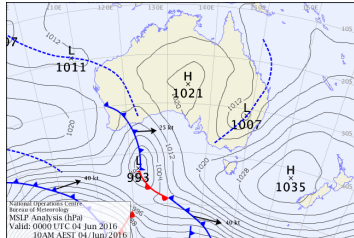
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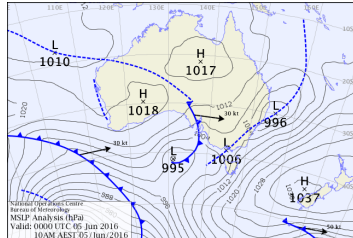
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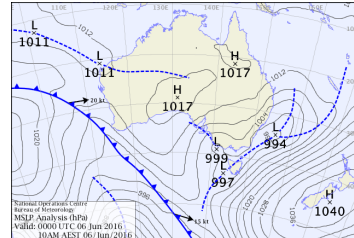
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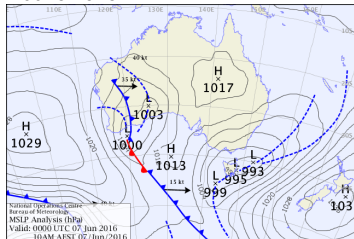
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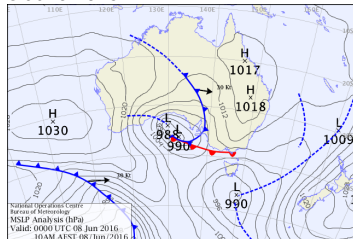
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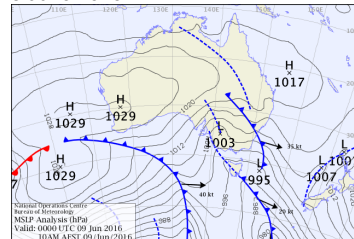
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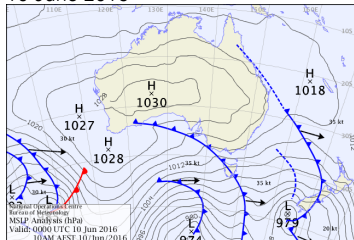
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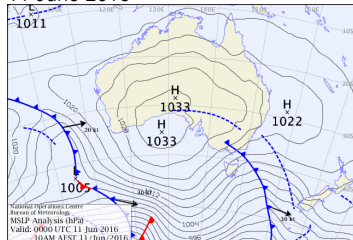
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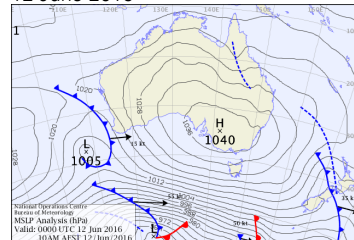
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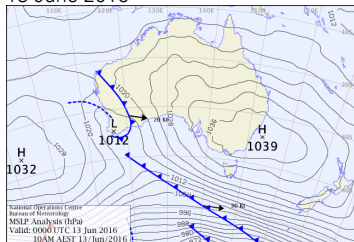
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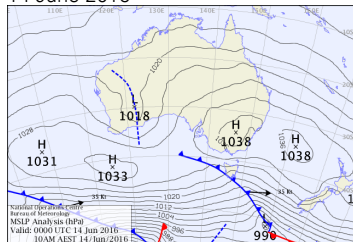
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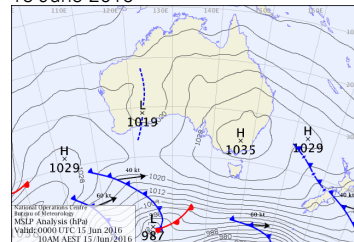
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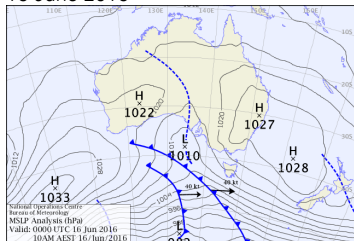
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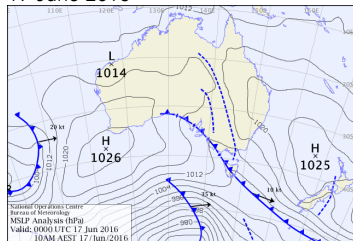
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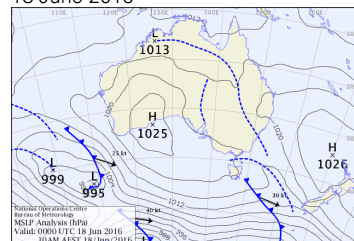
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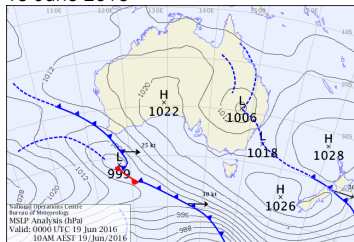
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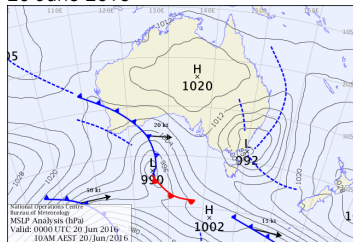
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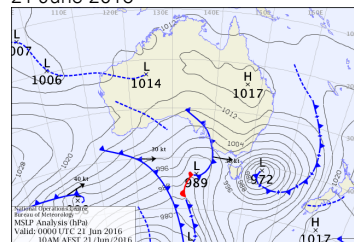
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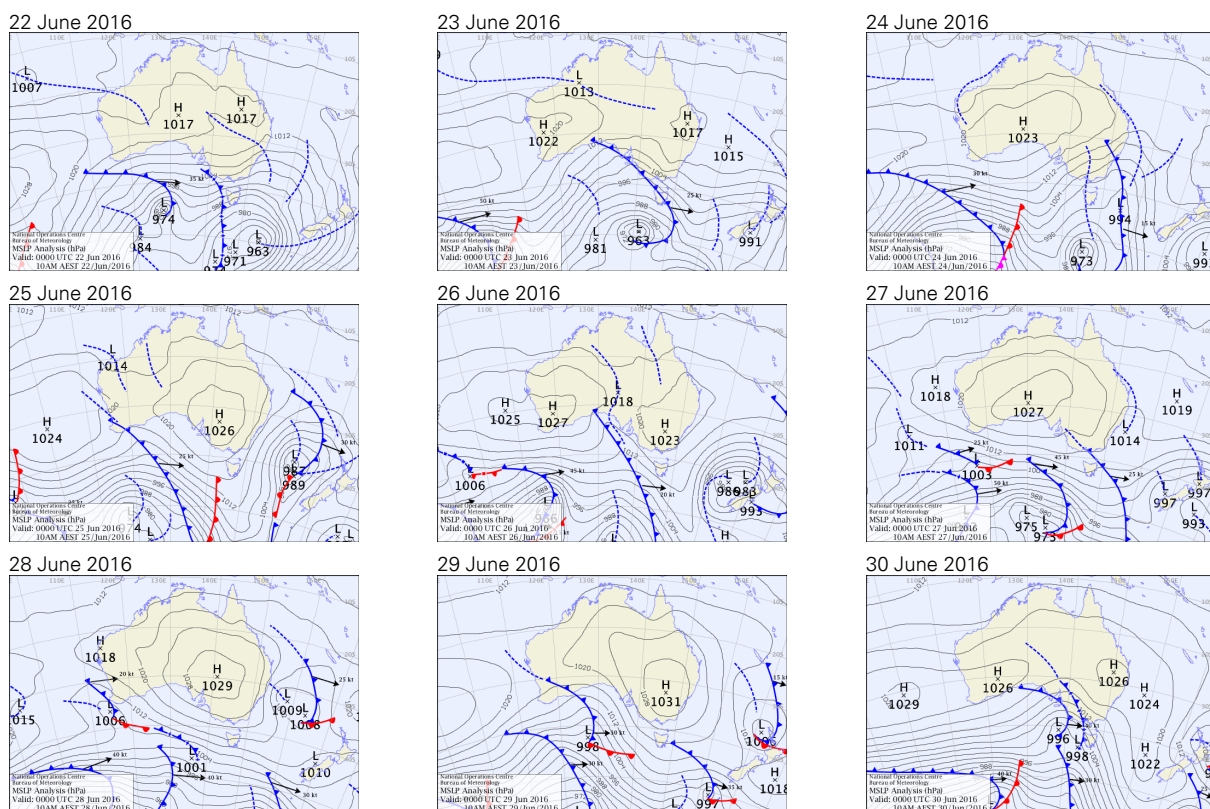


20 June 2016



21 June 2016





Synoptic summary

June was marked by intense East Coast Lows on the eastern seaboard, vigorous cold fronts across the south, and low pressure troughs across the tropical northwest.

The month started with an upper level disturbance producing middle level cloud about the eastern Interior of Western Australia and the southwest Northern Territory while a trough extended from the Great Australian Bight to a low pressure system south of South Australia. The system tracked eastwards, producing patches of middle level cloud over eastern South Australia and western parts of New South Wales and Victoria. Another upper level trough, located over Queensland, generated a broad middle level cloudband which extended from the northwest to the southeast of the State. A low and trough generated a broad area of cloud and thunderstorms over the tropical northwest.

The upper level trough over Queensland intensified as it tracked across the State's southeast, drawing moist air into its eastern flank as it moved off the coast of northeast New South Wales, developing into an East Coast Low early on the 5th. A strong and near-stationary high pressure system over New Zealand maintained a northeasterly airstream into the low as it tracked slowly southwards to be positioned over southern the Tasman Sea through to the 7th.

Westerly to southwesterly winds persisted across Tasmania for several days ahead of a ridge of high pressure building across southern Australia. As the ridge moved across southeast Australia and into the Tasman Sea a trough of low pressure tracked across southern Western Australia, bringing middle level cloud that extended into western Victoria by the 16th. On the 17th, a high over the Tasman Sea extended a ridge along the Queensland coast. The high weakened as it moved east, towards New Zealand during the next few days while an upper level trough tracked eastwards over southern and central Australia and slowly intensified.

On the 20th, a deep trough and a complex low pressure system brought a broad area of middle to high level cloud with embedded thunderstorms and strong squally winds to South Australia, New South Wales, Victoria and Tasmania. A cold front and associated low pressure system in the Great Australian Bight extended a cloudband into southern parts of Western Australia while a high pressure system dominated over central Australia. The last week of June saw a ridge of high pressure build across the southern half of the mainland with a persistent westerly airstream and series of cold fronts crossing the southeast mainland and Tasmania.

Temperatures

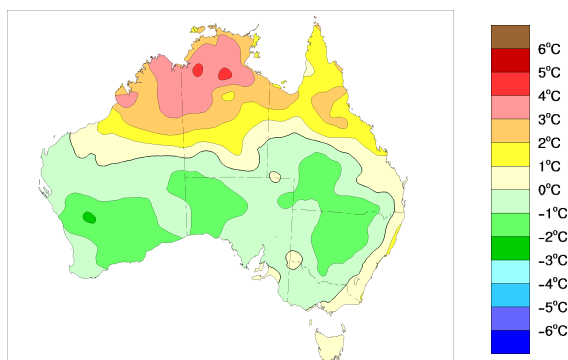
June was another warm month for Australia: the fourteenth consecutive month to record an above average monthly mean temperature. For Australia as a whole, the mean temperature was the sixth-warmest on record for June, at 1.30 °C warmer than the historical average. The June mean temperature was the fourth-warmest on record for the Northern Territory, at 2.43 °C above average. Queensland and Tasmania both recorded June mean temperature anomalies equal to or exceeding one degree: seventh-warmest on record for June for Queensland, and tenth-warmest on record for Tasmania.

Monthly mean temperatures were above average over most of Australia, but below average for the south of Western Australia. Parts of the Kimberley and the north of the Northern Territory observed their warmest June mean temperatures on record. This reflects the regional pattern of maximum and minimum temperatures.

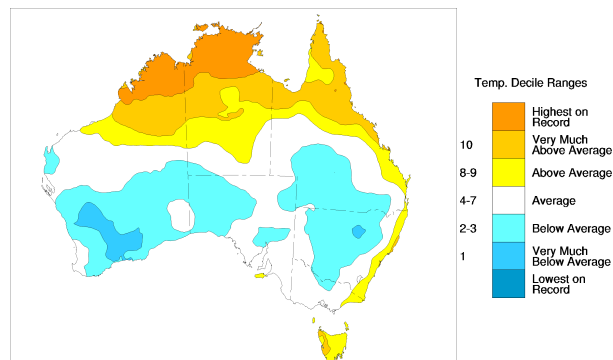
Maximum temperatures

Maximum temperatures for June were above average for the tropics, a strip along the mainland east coast, and across Tasmania. For the Kimberley and the north of the Northern Territory June maxima were the highest on record; large areas of these regions saw monthly maxima three to four degrees warmer than average for June. Kalumburu, in the far north of Western Australia, had an average maximum for the month of 35.3 °C, which was 1.3 °C higher than the previous highest June average maximum recorded at any Australian station, whilst Darwin (33.2 °C) was 0.8 °C above its previous record. For the Northern Territory as a whole it was the fourth-warmest June on record for maximum temperatures.

Anomalies of mean daily maximum temperature in June 2016



Decile rank of mean daily maximum temperature in June 2016



Conversely much of the southern mainland experienced a cooler than average month, with the June maxima below average for southern Queensland and New South Wales, excluding the along the east coast of both States, the southern half of Western Australia, the west of South Australia and other smaller areas between the top of the Spencer Gulf and the Queensland border. It was especially cool in parts of Western Australia between the Central West and Southeast Coastal districts.

Overall, the national maximum temperature anomaly was +0.38 °C.

The first week of June was very warm for much of Western Australia and the Northern Territory, although the East Coast Low brought slightly cooler than average days over much of the east. It was particularly warm in the Northern Territory on the 7th, when Bradshaw (west of Katherine) set an Australian June record with 37.9 °C. Numerous locations in northwestern Australia also set records on the 7th, followed by records in Queensland on the 9th (see page 13). Large areas of daytime temperatures more than 10 degrees above average were observed during this period.

Days were cooler than average in the west from the 7th, as a cold front crossed southern Western Australia, and close to average over most of Australia from the 11th to 13th as a broad high pressure system followed. Generally warm conditions dominated around mid-month, although areas 4 to 8 degrees warmer than average persisted in parts of the north until the 17th.

The passage of cold fronts across southern Australia brought cooler days to the south from 17th, with a particularly cool pool of air over the area around Uluru on the 25th, which tracked eastward, reaching northeastern New South Wales and southeast Queensland on the 27th. New South Wales had its

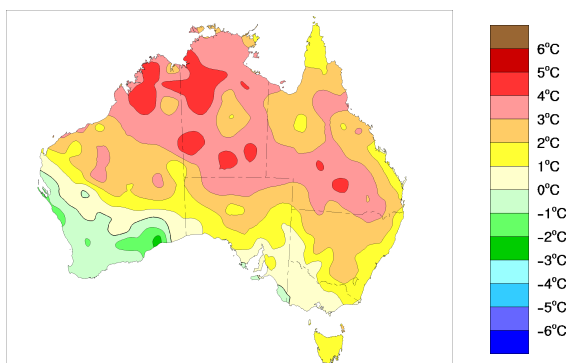
coldest June day on record on the 26th with a statewide average maximum of 9.56 °C.

Conversely, there was a warm finish to the month for the north from the 22nd, contracting toward coastal areas on the 27th while days remained warmer than average in the northwest until the end of month. Darwin set a June record (34.6 °C) on the 27th.

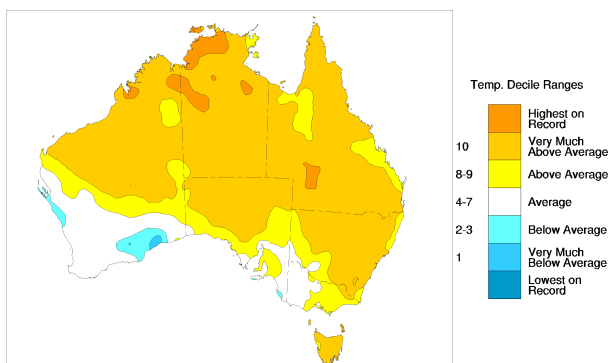
Minimum temperatures

Minimum temperatures were above or very much above average across most of Australia. However, western Victoria and parts of southeastern South Australia, and the southwestern third of Western Australia saw generally near average minima, with below average June minima observed in small areas of Western Australia near Shark Bay and on the Nullarbor Plain. The national June mean minimum for the month was 2.22 °C above average, fourth-highest on record for June. Increased cloud cover associated with the very wet conditions throughout much of the month contributed to the high minimum temperatures.

Anomalies of mean daily minimum temperature in June 2016



Decile rank of mean daily minimum temperature in June 2016



Minimum temperatures were more than three degrees above average for most of the Northern

Territory, large parts of inland Queensland, and the Kimberley and northern Interior of Western Australia. Records were set in the western Top End, small areas further south, and a small part of the Kimberley. All States and the Northern Territory placed within the ten warmest Junes on record for minimum temperatures, except for Victoria.

June got off to a very warm start, with nights more than eight degrees warmer than average for large areas of Australia. Above average sea surface temperatures continued to contribute to very high minimum temperatures on offshore islands. For the second month in succession, new monthly record high minimum temperatures (see page 13) were set for all three tropical States/Territories. Troughton Island (Western Australia) set a new State and national high minimum temperature record with 28.8 °C on the 6th, whilst new records were also set for the Northern Territory (27.6 °C at McCluer Island on the 4th) and equalled for Queensland (27.0 °C at Coconut Island on the 2nd). Troughton Island reached or exceeded the previous national June record on seven occasions early in the month.

Warm, moist northeasterly flow over Tasmania associated with the East Coast Low also resulted in record warm minimum temperatures, with a new June State record of 15.9 °C at Flinders Island Airport on the 5th and a record Tasmanian statewide average minimum temperature of 11.62 °C on the 6th. Site records for warmest June night were set at most sites in the eastern half of Tasmania between the 5th and 7th.

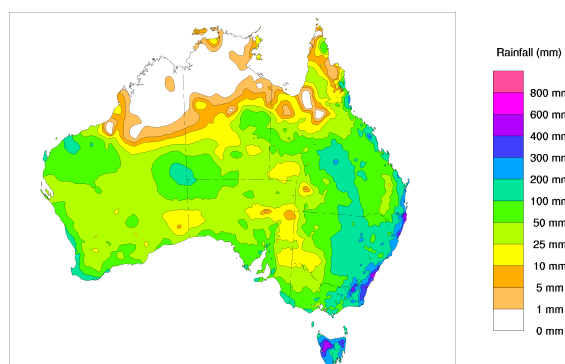
Warm nights became concentrated along a northwest–southeast band on the 8th and 9th ahead of the line of a trough/cold front preceding an approaching high pressure system. Nights remained warmer than average across the north while the southeast experienced somewhat cooler than average nights between the 12th and 15th under the influence of a lingering high.

Queensland, the Northern Territory, and South Australia observed a warm night on the night of the 14th/15th, with positive anomalies again expanding across most of the north and east of the mainland on the 18th. From the 21st warm nights occurred across a belt extending zonally across Australia from west to east, moving northwards as the last week of June generally saw cool nights across southern Australia, although overnight minima turned warmer for the west at the very end of the month.

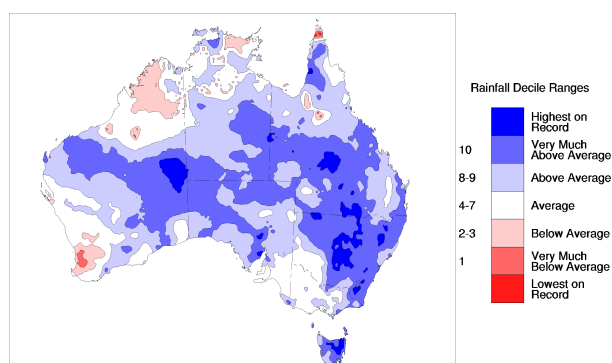
Rainfall

June rainfall for Australia was 127% above average, Australia's second-wettest June on record. Above average rainfall was recorded across much of the country. Some regions had their wettest June on record, including parts of the central west in Queensland, areas through central New South Wales from West Wyalong north to Walgett, and an area in the far east of Western Australia near Giles. Southwest Western Australia and pockets of the Kimberley, Top End, and Cape York Peninsula recorded below average June rainfall, though the northern tropics is seasonally dry at this time of year. Much of Victoria and southeast South Australia recorded near average June rainfall.

Total rainfall in June 2016



Decile rank of total rainfall in June 2016



An upper level trough and associated surface trough developed over the inland eastern at the start of June. From the 4th to the 7th, very heavy rainfall caused flooding in many areas of southeast Queensland, eastern New South Wales, eastern Victoria and northern Tasmania. The system deepened and an East Coast Low formed off the northern New South Wales coast on the 5th. Widespread heavy rainfall was recorded from the Sunshine Coast to the Gold Coast about New South Wales' northern coast and ranges before the main rainfall focus shifted southwards to the southeastern coast and ranges. Numerous stations around the Illawarra and Upper

North Coast districts in New South Wales received their highest daily June rainfall on record (see page 18) on the 5th.

The low interacted with a broad, complex area of low pressure over the Bass Strait and Tasman Sea as it moved south. A very moist, northeasterly flow brought heavy rainfall to northern and northeastern Tasmania with numerous locations setting record high daily rainfall totals in excess of 200 mm for the 24 hours to 9 am on the 6th. Yolla (Sea View) and Loongana (Serendipity) both recorded 248 mm. A Special Climate Statement was prepared.

Moderate falls continued over eastern and southern Tasmania before the low pressure systems weakened. Over several days from the 7th a series of cold fronts tracked across southern Australia, bringing moderate falls to coastal regions of the continent, the Victorian Alps, the Snowy Mountains, and Tasmania.

In Western Australia heavy rain fell in the Pilbara early in the month. A cloudband produced daily rainfall totals of 50 mm to 70 mm between the 4th and 7th, including a three-hour total of 61.2 mm at Karratha during the 6th; a one in ten year event.

A cold front brought moderate falls to much of the South West Land Division and parts of the Gascoyne and Pilbara on the 12th and 13th. In the east, an upper-level trough tracked across southwest Queensland, producing thunderstorms around Longreach and moderate falls on the 13th and 14th.

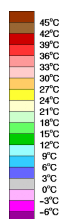
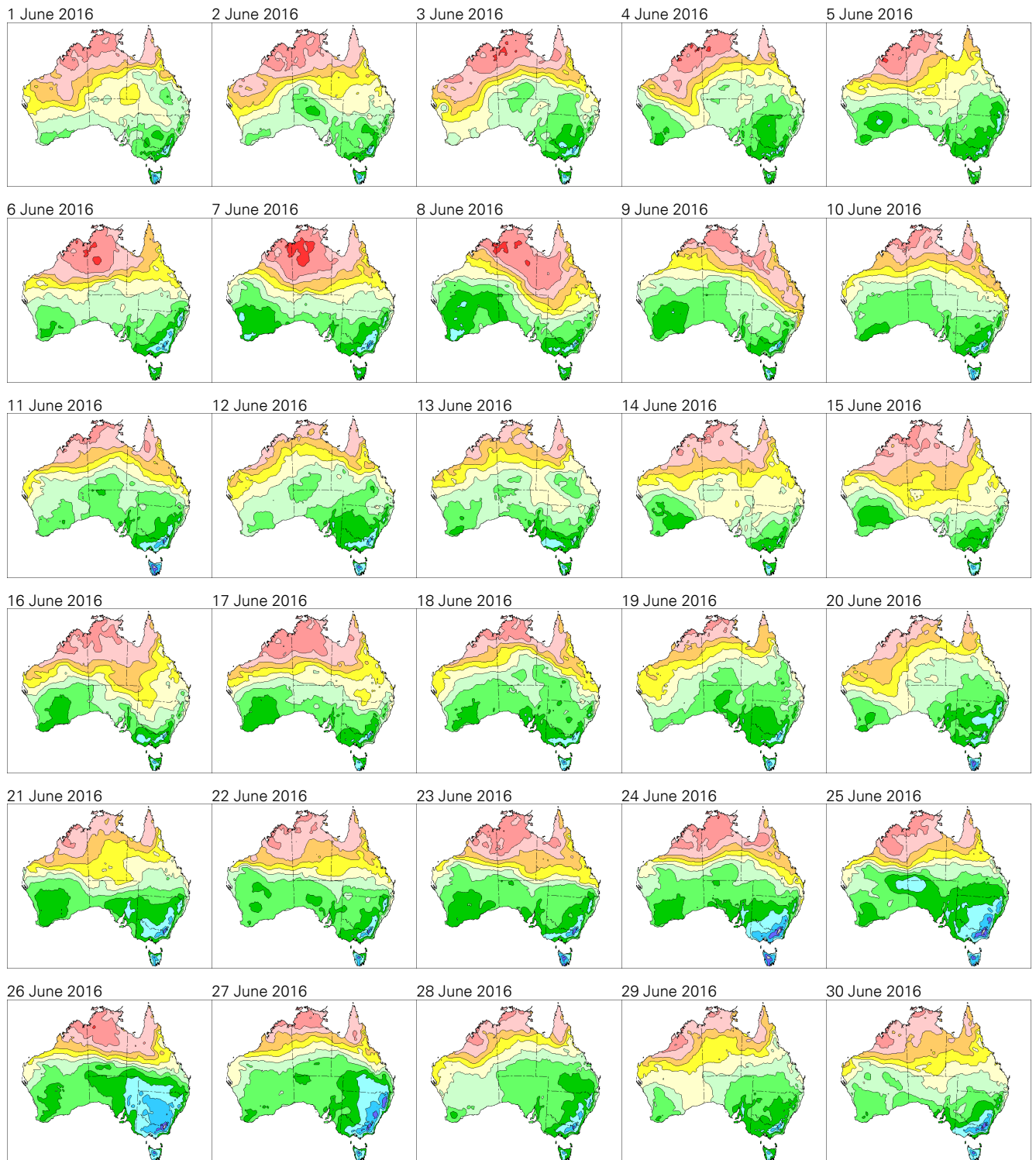
A deep surface trough and low pressure system tracked from southern Western Australia to the east coast between the 15th and 19th. Moderate falls were recorded along southern parts of Western Australia, through central and southern South Australia, and large parts of southeastern Australia. On the 17th, a strong upper level trough moved across as the surface trough deepened over eastern Australia. The systems produced widespread moderate to heavy falls over most of Queensland and northern New South Wales on the 19th, and as the upper level trough intensified further heavy rainfall affected much of eastern Australia on the 20th.

A cold front and associated developing low pressure system crossing the Bight and Bass Strait on the 23rd and 24th generated moderate to heavy rainfall in southeastern Australia and eastern New South Wales.

During the last part of the month a series of cold fronts swept across the southern coastline and produced moderate falls in exposed coastal regions.

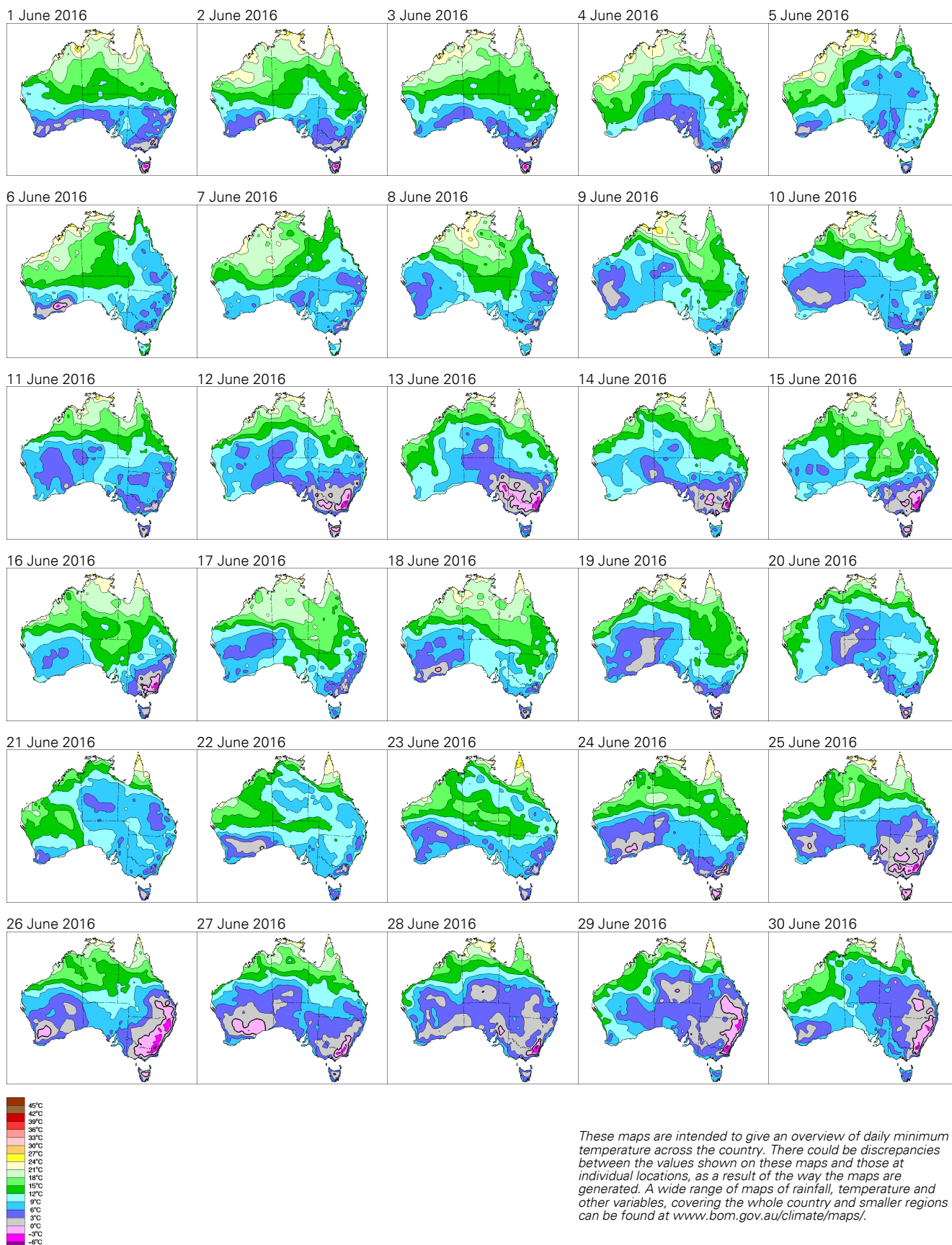
Daily maps

Daily maximum temperature maps

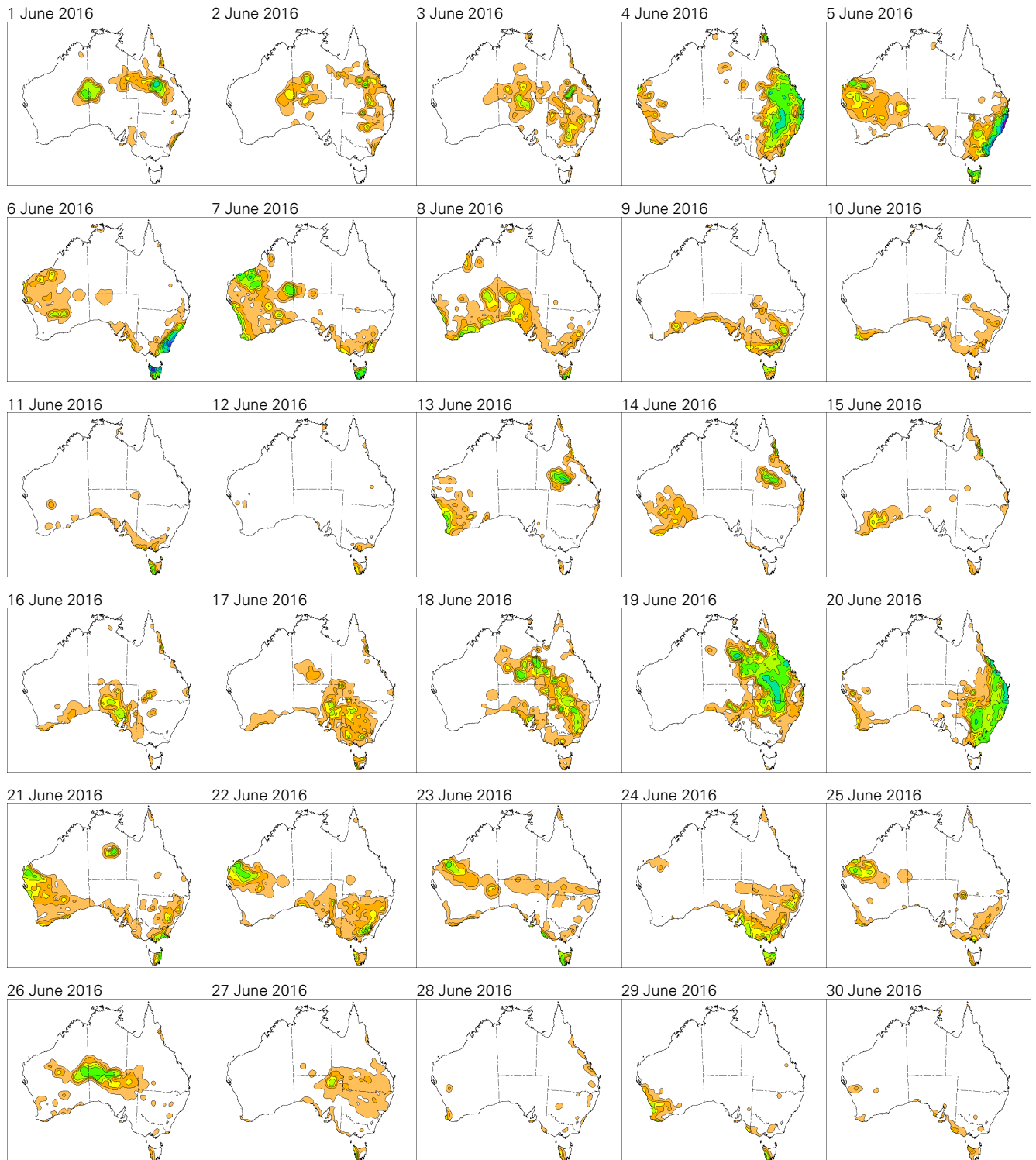


These maps are intended to give an overview of daily maximum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps/.

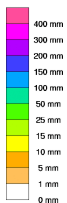
Daily minimum temperature maps



Daily rainfall maps



Rainfall (mm)



These maps are intended to give an overview of daily rainfall across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at www.bom.gov.au/climate/maps/.

Records

Record highest June daily maximum temperature			
	New record	Old record	Years of record
Western Australia			
001007 Troughton Island	33.9 on 10th	32.5 on 1st in 2014	37
002012 Halls Creek Airport	34.4 on 7th	34.2 on 30th in 2009	69
002032 Warmun	37.3 on 7th	36.2 on 5th in 1998	54
002056 Kununurra Aero	37.4 on 7th	36.4 on 6th in 1998	31
007045 Meekatharra Airport	29.0 on 3rd	28.8 on 7th in 1998	67
200790 Christmas Island Aero	29.8 on 19th	29.4 on 3rd in 1984	42
Northern Territory			
014015 Darwin Airport	34.6 on 27th	34.5 on 5th in 2003	76
014198 Jabiru Airport	36.7 on 24th	36.0 on 2nd in 2003	40
014401 Waruwi Airport	33.1 on 4th	33.0 on 18th in 2002	51
014626 Daly Waters Airstrip	36.3 on 7th	35.4 on 2nd in 1962	47
014825 Victoria River Downs	36.9 on 7th	36.3 on 3rd in 1973	51
014840 Wave Hill	36.5 on 7th	35.7 on 30th in 2009	42
015085 Brunette Downs	35.9 on 8th	34.7 on 22nd in 1996	52
015135 Tennant Creek Airport	34.0 on 7th	33.6 on 30th in 2009	47
Queensland			
028008 Lockhart River Airport	31.6 on 4th	31.2 on 28th in 2009	51
029127 Mount Isa Aero	34.3 on 8th	33.5 on 21st in 1996	50
033002 Ayr DPI Research Stn	32.2 on 10th	31.7 on 2nd in 1963	61
035065 Springsure Comet St	30.5 on 9th	29.8 on 29th in 2003	51
035070 Taroom Post Office	33.0 on 9th	32.8 on 1st in 1962	60
040004 Amberley AMO	29.2 on 9th	29.1 on 26th in 1991	75
040082 University of Queensland Gatton	31.5 on 9th	28.9 on 26th in 1991	51
040093 Gympie	29.2 on 9th	28.0 on 29th in 2003	51
040126 Maryborough	29.7 on 9th	29.4 on 1st in 1962	60
041095 Stanthorpe Leslie Parade	23.7 on 9th	22.8 on 5th in 1958	54
041175 Applethorpe	22.5 on 9th	22.0 on 13th in 2005	47
041359 Oakey Aero	29.9 on 9th	27.1 on 16th in 2002	43
043015 Injune Post Office	32.1 on 9th	30.0 on 16th in 2002	49
New South Wales			
057095 Tabulam (Muirne)	25.3 on 9th	= 25.3 on 16th in 2002	46
058158 Murwillumbah (Bray Park)	27.8 on 9th	27.7 on 26th in 1991	39
060085 Yarras (Mount Seaview)	26.7 on 9th	26.6 on 16th in 2002	48

= indicates the new record equals the old one.

Record highest June mean maximum temperature				
		New record	Old record	Years of record
Western Australia				
001007	Troughton Island	31.9	30.5 in 1973	36
002012	Halls Creek Airport	30.7	30.1 in 1996	68
002032	Warmun	33.6	32.5 in 1996	53
002056	Kununurra Aero	33.8	32.9 in 1996	30
Northern Territory				
014015	Darwin Airport	33.2	32.4 in 1998	75
014142	Pirlangimpi Airport	33.1	33.0 in 2013	33
014198	Jabiru Airport	34.4	33.3 in 2003	39
014508	Gove Airport	30.1	29.6 in 1973	37
014704	McArthur River Mine Airport	32.7	31.9 in 2015	38
014840	Wave Hill	31.5	31.4 in 1996	41
Queensland				
028008	Lockhart River Airport	29.0	28.7 in 1973	50
032037	South Johnstone Exp Stn	26.3	26.0 in 2009	60
033045	Mackay Aero	24.8	24.5 in 2004	30
033119	Mackay M.O	23.6	23.4 in 1991	56
200283	Willis Island	27.9 =	27.9 in 2010	87
= indicates the new record equals the old one.				

Highest June mean maximum temperature for at least 30 years			
		Observed this month	Most recent higher
Northern Territory			
014825	Victoria River Downs	32.9	35.3 in 1973 *
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.			

Record lowest June daily maximum temperature				
		New record	Old record	Years of record
Western Australia				
009037	Badgingarra Research Stn	10.3 on 7th	10.6 on 21st in 1968	47
009131	Jurien Bay	12.4 on 7th	13.2 on 8th in 1993	47
New South Wales				
048031	Collarenebri (Albert St)	9.3 on 27th	11.1 on 14th in 1978	101
050052	Condobolin Ag Research Stn	7.0 on 26th	8.2 on 20th in 1982	60
051039	Nyngan Airport	7.9 on 26th	8.3 on 22nd in 1965	89
055136	Woolbrook (Danglemah Road)	4.0 on 27th =	4.0 on 20th in 2007	45
056018	Inverell Research Centre	6.3 on 27th	6.5 on 20th in 2007	51
056229	Guyra Hospital	2.2 on 27th =	2.2 on 28th in 1990	32
075039	Lake Cargelligo Airport	7.2 on 26th	8.1 on 7th in 1980	45
075041	Griffith Airport AWS	7.8 on 26th	8.0 on 9th in 1989	42
Victoria				
090171	Portland (Cashmore Airport)	9.2 on 24th	9.3 on 25th in 2003	35
= indicates the new record equals the old one.				

Lowest June mean maximum temperature for at least 30 years			
		Observed this month	Most recent lower
Victoria			
088109	Mangalore Airport	12.5	12.2 in 1985

Record lowest June daily minimum temperature				
		New record	Old record	Years of record
New South Wales				
061250	Paterson (Tocal AWS)	0.0 on 30th	0.2 on 24th in 1971	43

Record highest June daily minimum temperature				
		New record	Old record	Years of record
Western Australia				
001007	Troughton Island	28.8 on 6th	27.3 on 1st in 2014	37
003003	Broome Airport	24.8 on 7th	= 24.8 on 3rd in 1978	77
003032	Derby Aero	25.0 on 3rd	24.8 on 6th in 1973	32
004019	Mandora	24.1 on 7th	23.3 on 2nd in 1963	54
004032	Port Hedland Airport	24.7 on 5th	24.3 on 8th in 1998	68
005008	Mardie	24.0 on 4th	23.2 on 7th in 1987	59
013030	Telfer Aero	23.0 on 2nd	22.5 on 5th in 1975	43
Northern Territory				
014508	Gove Airport	25.6 on 25th	= 25.6 on 2nd in 1970	38
014840	Wave Hill	24.5 on 8th	22.7 on 9th in 2005	42
015131	Elliott	22.5 on 9th	22.0 on 9th in 1986	36
015135	Tennant Creek Airport	21.7 on 17th	21.3 on 22nd in 1996	47
Queensland				
031037	Low Isles Lighthouse	25.0 on 1st	24.6 on 2nd in 1995	49
037010	Camooweal Township	22.0 on 16th	21.7 on 3rd in 1963	76
New South Wales				
070278	Cooma Visitors Centre	10.0 on 6th	= 10.0 on 26th in 1991	41
Tasmania				
091219	Scottsdale (West Minstone Road)	13.4 on 5th	12.7 on 9th in 1995	37
091237	Launceston (Ti Tree Bend)	13.5 on 6th	13.2 on 1st in 2004	33
092003	Bicheno (Council Depot)	15.1 on 6th	14.4 on 7th in 1991	42
092012	Fingal (Legge Street)	14.4 on 6th	13.0 on 12th in 2002	30
092027	Orford (Aubin Court)	14.9 on 6th	13.1 on 8th in 1991	48
094008	Hobart Airport	15.1 on 6th	12.5 on 8th in 1991	59
094010	Cape Bruny Lighthouse	14.7 on 7th	14.4 on 7th in 1957	94
094029	Hobart (Ellerslie Road)	15.0 on 6th	14.4 on 1st in 1976	130
094087	Kunanyi (Mount Wellington Pinnacle)	8.5 on 7th	7.1 on 1st in 1993	36
095003	Bushy Park (Bushy Park Estates)	14.8 on 6th	13.3 on 8th in 1957	56
099005	Flinders Island Airport	15.9 on 5th	15.2 on 7th in 1991	55

= indicates the new record equals the old one.

Record highest June mean minimum temperature				
		New record	Old record	Years of record
Western Australia				
001007	Troughton Island	26.7	25.6 in 2013	36
002032	Warmun	18.0	17.2 in 1986	53
002056	Kununurra Aero	19.1	18.9 in 1986	30
003003	Broome Airport	19.1 =	19.1 in 1942	76
003030	Bidyadanga	18.7	18.2 in 1996	57
003032	Derby Aero	19.9	18.6 in 1998	31
Northern Territory				
014015	Darwin Airport	23.0	22.2 in 1973	75
014142	Pirlangimpi Airport	22.6	21.8 in 2013	33
014198	Jabiru Airport	22.9	21.6 in 2013	39
014401	Warruwi Airport	24.5	23.5 in 1998	49
014703	Centre Island	22.1	21.5 in 1996	41
014704	McArthur River Mine Airport	17.4	15.8 in 1986	38
014840	Wave Hill	16.3	15.8 in 2013	41
015602	Jervois	10.2	10.1 in 2013	48
Queensland				
029038	Kowanyama Airport	19.3	18.8 in 2015	47
031011	Cairns Aero	20.3	20.2 in 2001	73
031037	Low Isles Lighthouse	23.1	22.7 in 1973	48
032025	Innisfail	19.7	19.5 in 2015	108
032037	South Johnstone Exp Stn	19.2 =	19.2 in 2001	61
033013	Collinsville Post Office	14.3	13.7 in 2005	58
041100	Texas Post Office	7.8	7.7 in 2005	46
041359	Oakey Aero	7.6	7.3 in 2005	42
New South Wales				
055136	Woolbrook (Danglemah Road)	3.7	2.6 in 2013	44
056013	Glen Innes Ag Research Stn	4.1	3.5 in 1991	42
Tasmania				
091219	Scottsdale (West Minstone Road)	6.2 =	6.2 in 2001	36
099005	Flinders Island Airport	9.9 =	9.9 in 2003	54

= indicates the new record equals the old one.

Highest June mean minimum temperature for at least 30 years			
		Observed this month	Most recent higher
Western Australia			
002012	Halls Creek Airport	16.9	17.1 in 1957
Northern Territory			
014825	Victoria River Downs	15.8	17.9 in 1973 *
Queensland			
035069	Tambo Post Office	8.4	8.5 in 1967
036007	Barcaldine Post Office	12.5	12.6 in 1921 *
040004	Amberley AMO	9.9	11.9 in 1967
040082	University of Queensland Gatton	10.1	13.1 in 1967 *
043015	Injune Post Office	7.7	9.7 in 1967
043020	Mitchell Post Office	7.4	7.6 in 1945 *
044010	Bollon Mary St	9.2	9.6 in 1967
044021	Charleville Aero	9.6	9.8 in 1967
Tasmania			
096003	Butlers Gorge	1.9	2.7 in 1962 *
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.			

Record highest June mean temperature				
		New record	Old record	Years of record
Western Australia				
001007	Troughton Island	29.3	27.9 in 2013	36
002012	Halls Creek Airport	23.8	23.2 in 1996	68
002032	Warmun	25.8	24.3 in 1996	53
002056	Kununurra Aero	26.4	25.5 in 1998	30
003003	Broome Airport	25.1	24.2 in 1942	76
003032	Derby Aero	26.6	26.0 in 1996	31
Northern Territory				
014015	Darwin Airport	28.1	27.0 in 1962	75
014142	Pirlangimpi Airport	27.8	27.4 in 2013	33
014198	Jabiru Airport	28.6	27.3 in 2013	39
014508	Gove Airport	26.6	26.2 in 1998	37
014703	Centre Island	25.5	25.4 in 1996	41
014704	McArthur River Mine Airport	25.0	23.6 in 2015	38
Queensland				
031011	Cairns Aero	24.0	23.9 in 1973	73
031037	Low Isles Lighthouse	25.1	25.0 in 1973	48
032025	Innisfail	22.9 =	22.9 in 1973	108
032037	South Johnstone Exp Stn	22.7	22.5 in 1973	60
033013	Collinsville Post Office	20.3	20.1 in 2005	58
033119	Mackay M.O	20.0 =	20.0 in 2015	56
200283	Willis Island	26.0 =	26.0 in 2010	86
= indicates the new record equals the old one.				

Highest June mean temperature for at least 30 years			
		Observed this month	Most recent higher
Northern Territory			
014825	Victoria River Downs	24.4	26.6 in 1973 *
Queensland			
028008	Lockhart River Airport	25.4	25.8 in 1973
032040	Townsville Aero	22.5	22.6 in 1973
040004	Amberley AMO	15.7 =	15.7 in 1979
* <i>note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. = indicates the new record equals the old one.</i>			

Record highest June daily rainfall			
	New record	Old record	Years of record
Western Australia			
004015 Hillside Station	70.8 on 7th	69.9 on 13th in 1968	84
009177 San Angelo	69.2 on 7th	52.4 on 8th in 1982	39
Northern Territory			
014149 Howard Springs Nature Park	28.6 on 6th	27.7 on 16th in 1973	39
014226 Humpty Doo Collard Road	2.2 on 6th	2.0 on 1st in 2004	33
South Australia			
016021 Kokatha	40.0 on 16th	33.8 on 24th in 1951	86
016032 Nonning	35.2 on 16th	33.0 on 6th in 1921	107
016086 Moonaree (Kangaroo Well)	28.4 on 16th	27.0 on 16th in 1995	31
018006 Whyalla (Broadview Station)	45.4 on 18th	35.0 on 6th in 1994	76
018058 Whyalla (Mullaquana)	99.0 on 18th	45.0 on 6th in 2001	99
018063 Penong	31.4 on 18th	28.4 on 20th in 1968	109
026021 Mount Gambier Aero	50.0 on 23rd	39.0 on 25th in 1990	75
= indicates the new record equals the old one.			

Record highest June daily rainfall			
	New record	Old record	Years of record
Queensland			
033053 Mount Jukes	123.0 on 20th	101.0 on 6th in 1990	71
033170 Mystery Park	66.6 on 20th	51.0 on 4th in 1985	43
033188 Belgamba	62.8 on 20th	52.4 on 4th in 1985	44
033247 Proserpine Airport	79.0 on 19th	77.4 on 6th in 1990	34
035049 Gillespie	66.0 on 3rd	56.4 on 4th in 1923	106
036031 Longreach Aero	58.6 on 13th	51.0 on 20th in 2005	62
036097 Clarendon	64.0 on 18th	61.0 on 2nd in 2008	70
036127 Sunbury	65.5 on 19th	36.8 on 1st in 1981	42
036172 Gue	52.0 on 1st	39.0 on 18th in 2007	49
037013 Chatsworth	56.0 on 19th	55.4 on 29th in 1935	102
037112 Sunnyside	58.0 on 19th	42.0 on 10th in 2000	74
040463 Oxley	182.0 on 20th	105.0 on 21st in 1979	45
040531 Boondall	82.4 on 20th	81.2 on 22nd in 1983	39
040686 Beenham Valley Rd	76.0 on 4th	68.0 on 3rd in 2002	35
040693 Highvale	135.2 on 4th	133.4 on 11th in 1967	51
041454 Girraween Nat Park	48.0 on 20th	43.4 on 21st in 1979	43
042069 Birra Birra	57.0 on 4th	56.4 on 9th in 1966	51
044013 Boothulla	46.0 on 19th	44.7 on 30th in 1935	52
044021 Charleville Aero	80.0 on 19th	59.6 on 1st in 1981	75
044033 Eversfield	92.2 on 5th	78.0 on 1st in 1981	86
044038 Glenorie	53.4 on 19th	45.0 on 1st in 1981	81
044045 Kenilworth	61.0 on 19th	58.0 on 1st in 1981	90
044054 Mulga Downs	75.2 on 19th	69.4 on 3rd in 2008	99
044111 Wansey Downs	118.6 on 19th	72.2 on 1st in 1981	49
044137 Rosehill	94.4 on 4th	62.0 on 9th in 2001	60
044138 Warida	55.3 on 4th	43.0 on 18th in 1983	33
044142 Rutherglen	68.0 on 4th	51.8 on 1st in 1981	48
044154 Whyenbah	105.0 on 4th	85.0 on 19th in 1983	62
044166 Yamburgan	117.4 on 4th	79.2 on 19th in 1983	119
044174 Wallen	60.8 on 19th	47.6 on 16th in 2015	42
= indicates the new record equals the old one.			

Record highest June daily rainfall			
	New record	Old record	Years of record
New South Wales			
048031 Collarenebri (Albert St)	71.8 on 4th	61.0 on 25th in 1931	130
050028 Trundle (Murrumbogie)	72.0 on 4th	50.8 on 21st in 1925	131
050035 Tottenham (Umang St)	59.0 on 4th	46.5 on 21st in 1925	88
050054 Condobolin (Worrongorrah)	60.8 on 4th	50.0 on 2nd in 2013	56
051034 Warren (Mumblebone)	69.4 on 4th	61.2 on 1st in 2014	135
052016 Gwabegar Post Office	88.0 on 4th	64.0 on 30th in 2005	80
052023 Pilliga Post Office	87.4 on 4th	65.8 on 25th in 1931	134
052033 Pilliga (Nirvana)	93.0 on 4th	59.9 on 25th in 1931	109
052067 Rowena Post Office	66.6 on 4th	50.6 on 21st in 1979	48
053073 Kenebri (Ellerslie)	76.0 on 4th	62.0 on 30th in 2005	50
055067 Goonoo Goonoo Station	66.2 on 5th	56.5 on 1st in 1993	137
055103 Watsons Creek (Tilmunda)	45.0 on 20th	40.0 on 2nd in 1993	55
055136 Woolbrook (Danglemah Road)	50.0 on 5th	37.0 on 23rd in 1998	58
055183 Duri (Ashgrove) No 142	63.6 on 5th	63.2 on 23rd in 1998	56
055195 Gowrie (Lallybroch)	65.7 on 5th	59.6 on 1st in 1981	43
056016 Guyra Post Office	137.0 on 24th	86.4 on 24th in 1950	122
056228 Kingstown Post Office	54.6 on 20th	47.2 on 2nd in 1993	36
057035 Yarrowitch (Benditi)	176.0 on 5th	101.0 on 15th in 2011	59
058002 Bangalow (Fowlers Lane)	240.0 on 5th	181.4 on 11th in 1966	52
058040 Mullumbimby (Fairview Farm)	303.0 on 5th	287.0 on 30th in 2005	119
058074 Kangaroo Creek (Jaloom)	160.2 on 5th	138.4 on 14th in 1967	54
058080 Wooli Beach	254.6 on 5th	180.0 on 30th in 2005	50
058137 Kingscliff (Marine Parade)	240.8 on 5th	144.2 on 18th in 1984	42
058138 Kangaroo Creek (Hayfield)	182.0 on 5th	147.6 on 29th in 1950	75
058148 Lillian Rock (Williams Road)	202.0 on 4th	175.4 on 30th in 2005	50
058158 Murwillumbah (Bray Park)	194.0 on 5th	174.4 on 30th in 2005	44
059006 Lower Bucca	230.4 on 5th	215.9 on 18th in 1914	91
059009 Coramba (Glenfiddich)	430.0 on 5th	275.1 on 11th in 1893	79
059019 Ebor (The Racecourse)	170.0 on 5th	135.0 on 21st in 1976	71
059060 Wittittrin	198.0 on 5th	148.0 on 4th in 2008	41
059110 Bowraville (Cow Cownty)	227.0 on 5th	157.0 on 4th in 1974	43
059118 Tyringham (Glenferneigh (Ring Tree))	183.4 on 5th	81.0 on 22nd in 1989	37
059120 Thumb Creek (Figtree)	220.4 on 5th	165.1 on 13th in 1967	47
059139 Nana Glen (Cowling Close)	240.0 on 5th	125.2 on 14th in 2011	30
060013 Forster - Tuncurry Marine Rescue	151.4 on 5th	144.8 on 1st in 1897	120
060027 Lorne (Lorne Road)	207.0 on 5th	160.5 on 25th in 1956	77
060030 Taree (Patanga Cl)	170.0 on 5th	162.6 on 19th in 1930	130
060031 Telegraph Point (Farrawells Road)	206.4 on 5th	167.4 on 6th in 1933	107
060055 Long Flat Post Office	201.0 on 5th	135.0 on 4th in 1974	66
060067 Upper Pappinbarra (Hillcrest)	199.4 on 5th	143.2 on 4th in 2008	32
060085 Yarras (Mount Seaview)	263.6 on 5th	192.8 on 4th in 2008	55
060144 Smiths Lake (Patsys Flat Road)	147.2 on 5th	76.0 on 15th in 2011	37
061133 Bolton Point (The Ridge Way)	110.8 on 5th	110.7 on 10th in 1964	39
061217 St Albans (Espie St)	128.0 on 12th	109.2 on 21st in 1975	49
061294 Avoca Beach Bowling Club	129.0 on 5th	114.0 on 21st in 1989	47
066006 Sydney Botanic Gardens	125.8 on 5th	123.7 on 29th in 1890	117
066036 Marrickville Golf Club	104.0 on 5th	81.0 on 9th in 2007	41
066047 Pennant Hills (Yarrara Road)	136.0 on 5th	127.5 on 10th in 1964	76
066142 Duffys Forest (Namba Rd)	140.0 on 5th	126.6 on 9th in 2007	33
068054 Robertson (Caalong Street)	365.0 on 6th	289.8 on 12th in 1964	106
= indicates the new record equals the old one.			

Record highest June daily rainfall

		New record	Old record	Years of record
068160	Campbelltown (Kentlyn (Georges River Roa	154.0 on 5th	117.4 on 21st in 1975	38
068166	Buxton (Amaroo)	187.8 on 6th	128.0 on 11th in 1991	47
068186	Berrima West (Medway (Wombat Creek))	104.6 on 5th	93.0 on 27th in 1997	47
068192	Camden Airport AWS	141.0 on 5th	135.0 on 11th in 1991	42
068197	Foxground Road	255.8 on 5th	252.6 on 11th in 1991	62
069006	Bettowynd (Condry)	150.0 on 6th	121.0 on 22nd in 1975	115
069022	Narooma (Marine Rescue)	139.8 on 5th	130.0 on 28th in 1997	92
069023	Nelligen (Thule Road)	128.6 on 6th	128.3 on 12th in 1964	68
069036	Bodalla Post Office	262.0 on 6th	162.6 on 5th in 1899	132
069042	Moruya (The Lagoon)	253.8 on 6th	190.0 on 9th in 1991	54
069062	Snowball	168.0 on 6th	128.0 on 9th in 1991	62
069112	Verona (Shiloh)	240.8 on 6th	118.6 on 22nd in 1975	41
069127	Araluen Lower (Araluen Rd)	221.0 on 6th	150.7 on 9th in 1991	37
070000	Ainslie Tyson St	61.6 on 6th	56.4 on 25th in 1956	82
070016	Captains Flat (Foxlow St)	101.4 on 6th	100.0 on 22nd in 1975	86
070060	Lower Boro (Calderwood)	102.8 on 6th	80.0 on 27th in 1997	106
070161	Cooma (Myalla)	85.4 on 6th	79.8 on 9th in 1991	55
070217	Cooma Airport AWS	86.0 on 6th	54.0 on 28th in 1997	30
070232	Sutton (Uba)	68.4 on 6th	62.2 on 28th in 1997	46
070233	Sutton The Anchorage	77.8 on 6th	57.5 on 28th in 1997	46
070242	Aranda (Bindaga St)	57.6 on 6th	54.4 on 28th in 1997	45
070247	Canberra (Australian National Botanic Ga	59.8 on 6th	52.8 on 28th in 1997	49
070261	Jerrabattgulla (Gilston)	126.0 on 6th	88.2 on 22nd in 1975	45
070290	Collector (Winderadeen)	67.0 on 6th	66.6 on 27th in 1997	41
070308	Torrens (Darke St)	66.2 on 6th	45.8 on 28th in 1997	32
070316	Bendora Dam	77.0 on 5th	61.0 on 26th in 1981	39
071021	Jindabyne (Glochinbah)	82.0 on 6th	68.1 on 24th in 1933	103
071022	Berridale (Bolton Street)	82.6 on 6th	50.0 on 28th in 1997	45
071073	Brindabella (Koolami)	70.4 on 6th	47.0 on 12th in 1987	32
074268	Ardlethan (Strathbogie)	48.5 on 20th	34.5 on 7th in 1991	47
075006	Binya Post Office	42.6 on 20th	41.0 on 10th in 1995	118
075010	Darlington Point (Bringagee)	54.6 on 20th	47.2 on 7th in 1948	78
075041	Griffith Airport AWS	42.4 on 20th	29.0 on 1st in 2014	51
075072	Weethalle (Mountain View)	39.0 on 20th	36.3 on 11th in 2006	54
075163	Hillston (Aldinga)	54.0 on 20th	40.0 on 1st in 2014	46
Victoria				
082010	Chiltern (Post Office)	57.0 on 8th	53.3 on 23rd in 1926	132
084016	Gabo Island Lighthouse	93.2 on 6th	90.2 on 27th in 2007	149
090095	Coleraine (Melville Forest)	37.0 on 9th	34.0 on 22nd in 1987	62
= indicates the new record equals the old one.				

Record highest June daily rainfall				
		New record	Old record	Years of record
Tasmania				
091002	Blackwood Creek (Kopanica)	121.0 on 6th	76.2 on 17th in 1962	50
091009	Burnie (Round Hill)	82.4 on 6th	54.0 on 8th in 1995	72
091019	Connorville (Lake River)	82.0 on 6th	46.4 on 14th in 1988	93
091022	Cressy Research Station (Main Office)	59.0 on 6th	40.2 on 17th in 2010	78
091029	Dunorlan (Sharmans Road)	124.2 on 6th	63.5 on 21st in 1945	64
091033	Frankford (Rossville)	143.0 on 6th	77.0 on 19th in 1904	117
091039	Northdown (Hamley)	97.8 on 6th	56.1 on 29th in 1910	108
091040	Hampshire (Neena Road)	174.6 on 6th	99.3 on 4th in 1929	79
091041	Hillwood (Hillwoodville)	91.0 on 6th	45.0 on 8th in 1995	86
091048	Latrobe (Coal Hill Road)	104.0 on 6th	89.4 on 13th in 1889	105
091055	Lorinna	243.6 on 6th	63.5 on 16th in 1961	60
091086	Ringarooma (Main Street)	118.0 on 6th	85.1 on 17th in 1962	106
091088	St Patricks River (Targa Farm)	143.4 on 6th	85.1 on 4th in 1929	107
091090	Selbourne (Kirnbrae)	105.0 on 6th	70.1 on 4th in 1929	90
091095	Windermere (Acacia House)	82.6 on 6th	50.5 on 19th in 1931	76
091102	Ulverstone (Knights Road)	113.4 on 6th	83.6 on 18th in 1955	107
091105	Wilmot (Back Road)	180.0 on 6th	65.3 on 25th in 1938	105
091107	Wynyard Airport	127.6 on 6th	65.0 on 2nd in 1947	45
091109	Yolla (Sea View)	248.0 on 6th	92.7 on 20th in 1945	110
091121	Waterhouse(Barooga)	78.0 on 6th	39.0 on 4th in 1988	56
091126	Devonport Airport	90.6 on 6th	50.6 on 11th in 1988	54
091150	Western Creek (Somer Hill)	147.0 on 6th	70.0 on 14th in 1988	53
091153	Barrington Post Office	164.6 on 6th	78.0 on 17th in 1989	50
091156	Weetah (Weetah Road)	132.8 on 6th	92.8 on 14th in 1988	51
091161	Parkham (Avenue Road)	116.0 on 6th	60.0 on 14th in 1988	51
091171	East Sassafras (Elphin Grove)	119.4 on 6th	50.6 on 6th in 2003	49
091173	Tomahawk (Carisbrooke)	64.0 on 6th	39.4 on 13th in 2008	52
091219	Scottsdale (West Minstone Road)	64.4 on 6th	56.6 on 17th in 2010	45
091225	Burns Creek (Janefield)	81.2 on 6th	66.8 on 9th in 2011	39
091236	Westbury (Birrallee Road)	128.2 on 6th	54.4 on 14th in 1988	39
091241	Mawbanna (Harby Hills)	68.0 on 6th	= 68.0 on 1st in 2006	32
091321	Loongana (Serendipity)	248.0 on 6th	82.0 on 18th in 1996	32
092024	Mathinna (Fingal Road)	220.0 on 6th	133.1 on 5th in 1923	105
092029	Ormley	65.0 on 6th	64.5 on 5th in 1923	116
092048	South Mount Cameron (Gladstone Road)	105.8 on 6th	52.1 on 23rd in 1955	58
092051	Pyengana (Forest Lodge Road)	211.0 on 6th	71.0 on 17th in 2010	55
093002	Jericho (Bowsden)	45.8 on 6th	36.8 on 2nd in 1939	77
093014	Oatlands Post Office	77.4 on 6th	54.0 on 2nd in 1981	108
093035	Ross (Rose Villa)	58.0 on 6th	33.4 on 9th in 2011	46
094151	Longley (Telopea)	117.0 on 7th	87.2 on 26th in 2009	39
094169	Taranna (Parks & Wildlife)	68.0 on 7th	65.2 on 5th in 2009	38
096046	Miena Dam	73.6 on 6th	53.8 on 5th in 1923	93
097021	Renison Bell	115.4 on 6th	73.2 on 16th in 1935	86
097047	Savage River Mine	88.2 on 6th	56.8 on 29th in 1988	50
097054	Zeehan (West Coast Pioneers Museum)	119.4 on 6th	73.4 on 15th in 1994	48
097072	Strahan Aerodrome	57.0 on 6th	42.6 on 17th in 1990	31
098017	King Island Airport	52.2 on 24th	50.0 on 30th in 1980	43
099005	Flinders Island Airport	77.2 on 6th	73.7 on 17th in 1952	75
099014	Memana (Babel Farm)	55.2 on 21st	46.2 on 9th in 1977	54
099015	Whitemark Post Office	104.2 on 6th	37.6 on 7th in 2009	55

= indicates the new record equals the old one.

Record highest June total rainfall				
		New record	Old record	Years of record
Western Australia				
013017	Giles Meteorological Office	118.0	113.9 in 1968	60
Northern Territory				
014226	Humpty Doo Collard Road	2.2 =	2.2 in 2004	33
South Australia				
018006	Whyalla (Broadview Station)	82.0	78.2 in 1991	75
018058	Whyalla (Mullaquana)	152.2	82.8 in 2013	100
026021	Mount Gambier Aero	163.0	160.0 in 2004	75
Queensland				
030154	Yaramulla Station	51.1	44.9 in 2000	38
033170	Mystery Park	97.0	91.8 in 2012	42
033175	Eton Vale	105.0	91.4 in 1990	44
035049	Gillespie	142.0	127.0 in 1921	135
035069	Tambo Post Office	143.5	120.7 in 1921	136
036007	Barcaldine Post Office	159.4	124.2 in 1912	130
036026	Isisford Post Office	156.2	120.2 in 1912	132
036031	Longreach Aero	171.0	97.2 in 2005	62
036066	Beaconsfield	150.0	114.0 in 1912	118
036097	Clarenden	190.0	72.7 in 1945	68
036111	Evanston	143.5	65.0 in 2007	40
036127	Sunbury	117.0	87.6 in 2005	41
039095	Watalgan Winfield Rd	199.5	154.5 in 2007	63
040417	Miami Bardon Ave	428.6	368.8 in 1974	47
040463	Oxley	301.6	295.4 in 1983	45
040490	Carneys Creek The Ranch	233.6	162.6 in 1979	41
040659	Greenbank Thompson Road	156.4	136.6 in 1988	39
040677	Maroon Dam	182.2	135.4 in 2005	44
040686	Beenham Valley Rd	193.6	167.8 in 2012	32
040986	Mango Hill	282.6	258.6 in 1983	32
041438	Silverwood Dam	103.8	94.8 in 2005	41
041454	Girraween Nat Park	117.1	111.0 in 1998	43
041464	Oakington	139.8	109.8 in 1988	39
044021	Charleville Aero	138.4	137.0 in 2005	75
044033	Eversfield	190.7	135.1 in 1920	95
044038	Glenorie	108.6	90.8 in 2005	85
044045	Kenilworth	120.2	88.2 in 2005	91
044111	Wansey Downs	169.2	107.0 in 2005	49
044137	Rosehill	156.8	80.6 in 2005	60
044138	Warida	144.9	108.8 in 1983	31
044142	Rutherglen	135.6	94.0 in 2005	54
044154	Whyenbah	148.0	123.0 in 1983	64
044166	Yamburgan	160.6	145.5 in 1921	119
044174	Wallen	97.8	85.2 in 2009	42
= indicates the new record equals the old one.				

Record highest June total rainfall				
		New record	Old record	Years of record
New South Wales				
046052	Wanaaring (Owen Downs)	79.8	67.0 in 1987	61
048018	Collarenebri (Bundabarina)	152.0	116.5 in 1920	103
048027	Cobar MO	112.2	88.8 in 2005	55
050010	Burcher Post Office	133.2	120.6 in 2013	72
050014	Condobolin Retirement Village	179.4	125.6 in 2013	131
050020	Warroo (Geeron)	115.6	103.2 in 2013	128
050028	Trundle (Murrumbogie)	160.2	114.6 in 1925	131
050035	Tottenham (Umang St)	151.4	123.8 in 1925	86
050037	Tullamore (Kitchener St)	159.5	134.1 in 1925	101
050039	Dandaloo (Tyrie Homestead)	178.0	139.9 in 1925	107
050045	Yalgogrin North (Roloma)	162.8	159.5 in 1923	120
050052	Condobolin Ag Research Stn	161.5	124.1 in 2013	62
050054	Condobolin (Worrongorrah)	169.2	130.4 in 2013	54
050105	Trundle (Huntingdale)	132.0	128.7 in 2013	49
050108	Wilmatha (Wanganui)	153.4	110.8 in 2013	49
050110	Peak Hill (Waratah)	127.4	94.0 in 2013	56
050117	Alectown (Bridgewater)	132.0	127.0 in 2013	43
050119	Alectown (Vanilla)	145.4	121.5 in 1950	58
050125	Bobadah (Pretty View)	132.0	108.0 in 2013	39
051034	Warren (Mumblebone)	163.6	147.9 in 1948	135
051039	Nyngan Airport	150.0	128.8 in 1925	135
051122	Curban (Ercildoune)	186.0	171.1 in 2005	48
051133	Warrumbungle (Miagunyah)	167.2	162.6 in 2005	57
052023	Pilliga Post Office	198.2	198.0 in 1920	134
054046	Ashford (Burrabogie)	132.4	119.2 in 2007	58
054065	Nullamanna (Silverdale)	126.3	115.2 in 1981	55
054082	Kings Plains (Croye)	156.2	142.4 in 1981	58
054125	Caroda (Roseberry Park)	172.6	156.2 in 1978	47
055016	Danglemah (Rutherglen)	135.2	101.7 in 1951	60
055105	Attunga (Tarana)	147.6	115.8 in 1978	55
055120	Attunga (The Pines)	131.8	112.5 in 2013	57
055136	Woolbrook (Danglemah Road)	148.4	112.2 in 1978	58
055172	Weabonga (Monomeeth)	195.4	185.8 in 1975	78
055181	Dungowan (Ravencroft)	198.7	133.0 in 1978	55
055183	Duri (Ashgrove) No 142	196.6	141.2 in 1998	52
055190	Gowrie South	184.8	173.6 in 1975	58
055195	Gowrie (Lallybroch)	202.0	155.5 in 1998	41
055302	Nundle (Chaffey Dam)	156.7	130.8 in 2005	39
055311	Duri Post Office	181.8	149.7 in 2005	33
055319	Upper Manilla (Glenborah)	136.2	132.6 in 2005	30
056001	Sapphire (Argyle)	155.8	142.8 in 1921	114
056057	Tenterden (Balook)	148.8	132.2 in 2005	60
056111	Elsmore (Danthonia)	140.0	101.6 in 1981	57
056228	Kingstown Post Office	179.6	141.8 in 2005	36
056229	Guyra Hospital	136.0	118.8 in 2005	35
058158	Murwillumbah (Bray Park)	435.9	421.7 in 1999	44
059118	Tyringham (Glenferneigh (Ring Tree))	315.4	165.6 in 2005	37
061196	Ellerston (Poitrel)	172.0	153.6 in 2007	55
062089	Hargraves (Edge Hill)	190.4	154.8 in 1998	45
062093	Windamere Dam	143.6	123.0 in 1981	41
= indicates the new record equals the old one.				

Record highest June total rainfall		New record	Old record	Years of record
062099	Stuart Town (Canobla)	128.6 =	128.6 in 1950	79
063029	Mandurama (Gallymont (Homeleigh))	228.8	213.5 in 1923	113
063128	Neville (Carcoar St)	240.0	214.6 in 1998	55
063254	Orange Agricultural Institute	265.0	178.6 in 1998	51
065105	Wellington (Cundumbul (Mehruda))	163.8	128.6 in 2013	63
066137	Bankstown Airport AWS	332.8	324.8 in 1991	48
068160	Campbelltown (Kentlyn (Georges River Roa	358.0	261.4 in 1978	38
068166	Buxton (Amaroo)	387.4	332.8 in 1991	46
068192	Camden Airport AWS	326.8	304.4 in 1991	42
070000	Ainslie Tyson St	151.4	149.2 in 1956	81
070048	Hoskintown Radio Observatory	184.6	158.0 in 1975	72
070060	Lower Boro (Calderwood)	232.0	227.4 in 1975	110
070098	Bredbo (Bredbo Station)	190.6	159.6 in 1975	80
070232	Sutton (Uba)	161.5	142.2 in 1997	46
070233	Sutton The Anchorage	165.0	158.2 in 1997	45
070242	Aranda (Bindaga St)	143.0	129.4 in 1981	44
070247	Canberra (Australian National Botanic Ga	148.3	143.8 in 1991	49
070277	Melba (Verbrugghen Street)	158.8	138.0 in 1998	44
070278	Cooma Visitors Centre	170.0	165.0 in 1991	43
070296	Dalton (Milverton)	151.9	138.2 in 1991	38
070307	Bruce (Australian Institute of Sport)	144.8	142.0 in 1981	33
070308	Torrens (Darke St)	163.8	131.8 in 1991	32
070344	Murrumbateman (McIntosh Circuit)	154.8	145.2 in 1998	30
071005	Dalgety (Hamilton St)	175.6	153.7 in 1991	119
071022	Berridale (Bolton Street)	176.9	154.1 in 1978	68
071073	Brindabella (Koolami)	247.4	219.4 in 1991	32
073032	Quandialla Post Office	113.4 =	113.4 in 1931	91
073109	Murringo (Yallambee)	151.4	149.4 in 1998	48
073110	Grenfell (Corowood)	158.0	144.0 in 1998	49
073150	Stockinbingal (Sunnydale)	125.2	117.2 in 1981	59
074007	Leeton (Bents Hill)	129.7	105.8 in 2005	76
074037	Yanco Agricultural Institute	111.8	92.4 in 1991	60
074268	Ardlethan (Strathbogie)	148.7	85.5 in 2009	47
075006	Binya Post Office	126.8	102.5 in 1948	127
075039	Lake Cargelligo Airport	149.3	137.1 in 1923	133
075041	Griffith Airport AWS	127.4	77.0 in 2015	54
075072	Weethalle (Mountain View)	134.4	107.8 in 1931	54
075079	Yenda (Henry Street)	140.6	102.2 in 1931	92
075163	Hillston (Aldinga)	148.4	110.9 in 2005	45
Victoria				
083024	Mount Buller	318.4	297.8 in 1988	36

= indicates the new record equals the old one.

Record highest June total rainfall		New record	Old record	Years of record
Tasmania				
091002	Blackwood Creek (Kopanica)	243.6	230.9 in 1962	50
091029	Dunorlan (Sharmans Road)	222.2	217.8 in 2004	65
091033	Frankford (Rossville)	333.8	301.2 in 1931	124
091039	Northdown (Hamley)	242.0	229.9 in 1931	106
091055	Lorinna	407.8	359.4 in 1947	59
091086	Ringarooma (Main Street)	331.4	331.2 in 1906	113
091105	Wilmot (Back Road)	341.8	306.5 in 1947	105
091109	Yolla (Sea View)	409.0	405.8 in 1947	111
091121	Waterhouse(Barooga)	218.8	123.2 in 1995	55
091126	Devonport Airport	202.9	167.9 in 1988	54
091150	Western Creek (Somer Hill)	268.0	244.4 in 2004	52
091153	Barrington Post Office	287.5	220.6 in 2004	50
091156	Weetah (Weetah Road)	257.4	235.5 in 1964	50
091161	Parkham (Avenue Road)	232.8	205.8 in 1991	50
091171	East Sassafras (Elphin Grove)	255.4	198.0 in 1991	48
091173	Tomahawk (Carisbrooke)	238.2	133.6 in 2010	51
091225	Burns Creek (Janefield)	235.6	204.2 in 2011	37
091236	Westbury (Birralelee Road)	229.2	151.0 in 1991	38
092006	Buckland (Brockley)	302.8	247.4 in 2009	107
092011	Gladstone (Old Post Office)	280.4	249.6 in 1939	93
092024	Mathinna (Fingal Road)	402.8	257.0 in 1931	113
092030	Pioneer (Main Road)	322.8	279.8 in 1952	109
092048	South Mount Cameron (Gladstone Road)	325.4	263.0 in 1956	55
092051	Pyengana (Forest Lodge Road)	513.0	251.3 in 1970	53
092053	Coles Bay (Freycinet)	241.1	136.2 in 1998	52
092079	Tooms Lake (Tooms River)	273.8	219.5 in 1970	50
092088	Sandspit River (Ringrove)	189.7	154.2 in 1998	33
093002	Jericho (Bowsden)	164.0	133.2 in 1939	80
093016	Woodbury (Warringa)	122.2	117.2 in 2011	66
093035	Ross (Rose Villa)	146.4	120.4 in 2004	46
093040	Rotherwood	172.6	135.0 in 2009	45
093042	Woodbury (Warringa Old Tier Road)	161.4	150.6 in 2011	45
094151	Longley (Telopea)	330.4	318.4 in 2009	37
096046	Miena Dam	190.4	183.9 in 1892	102
098017	King Island Airport	186.4	164.0 in 2003	42
098023	Yarra Creek	198.8	196.2 in 2004	43
099005	Flinders Island Airport	195.8	195.1 in 1952	74
099014	Memana (Babel Farm)	196.0	129.5 in 2009	53
099015	Whitemark Post Office	242.4	143.8 in 1978	54
= indicates the new record equals the old one.				

Highest June total rainfall for at least 30 years		Observed this month	Most recent higher
Western Australia			
005006	Kooline	86.9	87.0 in 1971 *
005009	Marillana	77.9	166.2 in 1971 *
010792	Gairdner	103.0	108.0 in 1978 *
012027	Edjudina	59.0	68.1 in 1968 *
Northern Territory			
014149	Howard Springs Nature Park	28.6	30.3 in 1973 *
015537	Kurundi	43.0	68.3 in 1944 *
015585	Ammaroo	37.0	69.6 in 1973
South Australia			
016036	Woomera (Pernatty Station)	68.2	69.5 in 1951 *
017070	Mount Dare	38.8	54.8 in 1978 *
018012	Ceduna AMO	72.6	73.4 in 1981
018024	Darke Peak	102.0	129.6 in 1981
018063	Penong	72.4	84.6 in 1981
018118	Haslam	80.6	126.2 in 1981 *
018182	Ceduna (Uworra)	68.6	112.7 in 1981
* <i>note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.</i> = indicates the new record equals the old one.			

Highest June total rainfall for at least 30 years		Observed this month	Most recent higher
Queensland			
027015	Moreton Telegraph Station	38.2	48.0 in 1967 *
029038	Kowanyama Airport	42.2	61.0 in 1938
033001	Burdekin Shire Council	82.4	212.1 in 1967 *
033023	Farleigh Co-op Sugar Mill	177.3	446.2 in 1967 *
033082	Strathmore	98.0	135.7 in 1967 *
033186	Carmila Beach Road	142.6	405.7 in 1967 *
035211	Kurrajong	88.4	125.5 in 1967 *
036002	Ambo Station	99.6	134.6 in 1912
036004	Aramac Post Office	123.6	129.3 in 1945 *
036022	Evesham Station	135.0	168.4 in 1912 *
036143	Blackall Township	141.1	159.9 in 1921
037002	Baratria	98.0	117.1 in 1935 *
037015	Corona Downs	111.0	113.6 in 1935 *
037112	Sunnyside	86.7	87.6 in 1950 *
038003	Boulia Airport	67.8	68.8 in 1935
038049	Hayfield	71.1	74.4 in 1967 *
039084	Rosedale Post Office	218.0	256.8 in 1967
039092	Miara	184.0	242.4 in 1958 *
040004	Amberley AMO	192.4	389.1 in 1967
040042	Canungra Finch Road	294.4	580.3 in 1967 *
040089	Goomboorian	180.5	329.1 in 1967
040094	Harrisville Mary Street	189.1	270.9 in 1967 *
040111	Kilkivan Post Office	120.3	122.6 in 1983 *
040162	Numinbah State Farm	311.9	693.8 in 1967 *
040169	Peachester	329.7	522.6 in 1983 *
040183	Rosevale	138.6	146.6 in 1983 *
040184	Rosewood Walloon Rd	144.0	189.6 in 1983
040186	Samsonvale	257.1 =	257.1 in 1983 *
040190	Southport Ridgeway Ave	330.6	338.4 in 1974 *
040197	Mt Tamborine Fern St	507.2	830.5 in 1967
040198	Tarome	181.8	247.9 in 1967
040200	Theebine	172.7	288.4 in 1967 *
040206	Traveston	184.4	365.2 in 1983
040211	Archerfield Airport	262.4	286.0 in 1983 *
040224	Alderley	311.6	713.6 in 1967
040244	Sunnybank Bowls Club	241.6	565.9 in 1967
040284	Beerburum Forest Station	310.6	425.7 in 1983
040290	Maroon	164.6	184.2 in 1967
040312	New Beith	143.4	221.0 in 1983
040343	Wamuran	275.2	356.4 in 1983 *
040390	Teddington Waterworks	156.2	197.5 in 1983
040394	Mount Barney	151.2	227.3 in 1967 *
040447	Rhonda	199.6	254.1 in 1967 *
040485	Wilsons Peak	254.6	287.9 in 1967
040542	Maclean Bridge	177.2	229.7 in 1983
040550	Numinbah	460.0	495.4 in 1983
040607	Springbrook Road	446.8	491.0 in 1983
040693	Highvale	283.0	509.7 in 1967 *
040695	Palmwoods	257.8	451.0 in 1983 *
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. = indicates the new record equals the old one.			

Highest June total rainfall for at least 30 years

		Observed this month	Most recent higher
041014	Carbean	92.2	240.4 in 1950
041056	Killarney Post Office	91.0	192.9 in 1967 *
041085	Queen Mary Falls	199.2	412.1 in 1967 *
041106	Upper Forest Springs	85.2	85.8 in 1983
041208	Spring Creek	120.8	152.6 in 1983
041276	Glenrive	95.8	122.4 in 1983 *
041323	Mandala	119.0	124.8 in 1983
042027	Talwood State School	79.4	80.2 in 1984 *
044002	Augathella Post Office	105.8	238.0 in 1921 *
044010	Bollon Mary St	114.6	132.8 in 1921
044013	Boothulla	90.2	101.9 in 1916 *
044026	Cunnamulla Post Office	105.6	117.6 in 1920
044041	Gundare	122.2	230.2 in 1921 *
044042	Hebel Store	112.8	119.5 in 1920 *
044047	Lowan Hills	122.2	194.1 in 1921 *
044050	Morven Post Office	136.4	145.5 in 1921 *
044054	Mulga Downs	125.2	142.8 in 1920 *
044056	Mungallala	147.8	151.1 in 1921 *
044057	Nive Downs	109.6	148.6 in 1921 *
044133	Bogarella	116.0	164.6 in 1921 *

* *note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.*
 = *indicates the new record equals the old one.*

Highest June total rainfall for at least 30 years		Observed this month	Most recent higher
New South Wales			
048006	Enngonia (Belalie)	71.0	74.2 in 1931 *
048015	Brewarrina Hospital	113.3	155.9 in 1948 *
048025	Weilmoringle (Caringle)	122.4	145.4 in 1948 *
048074	Tilpa (Tongo Road)	84.0	103.8 in 1923 *
048079	Wanaaring Post Office	86.7	103.6 in 1920 *
048168	Angledool (Angledool Station)	129.3	158.8 in 1920
050018	Dandaloo (Kelvin)	144.8	157.8 in 1925 *
050031	Peak Hill Post Office	138.0	161.9 in 1925
050040	Ungarie Post Office	153.9	156.8 in 1923 *
051008	Wyanga (Barcoo)	129.0	211.7 in 1925 *
051018	Gilgandra (Chelmsford Ave)	175.5	208.3 in 1945 *
051038	Nevertire (Clyde St)	172.9	192.9 in 1925
051042	Quambone Station	139.0	158.9 in 1948
051049	Trangie Research Station AWS	142.0	192.6 in 1925 *
051054	Warren (Frawley St)	155.3	174.3 in 1925 *
051057	Marra Creek (Womboin)	148.4	199.4 in 1948 *
051066	Eumungerie Post Office	159.2	191.5 in 1945 *
054023	Barraba (Neranghi)	141.1	152.2 in 1950
054039	Bingara (Keera)	102.4	111.0 in 1948 *
054104	Pindari Dam	100.6	108.6 in 1981
055000	Attunga (Garthowen)	154.8	164.4 in 1920 *
055003	Somerton (Bective Estate)	114.0	122.5 in 1950 *
055031	Manilla Post Office	114.8	123.6 in 1930 *
055041	Nundle Post Office	195.6	198.4 in 1930 *
055049	Quirindi Post Office	137.4	153.3 in 1930
055066	Wallabadah (Woodton)	207.8	217.4 in 1920 *
055164	Weabonga (Stoneleigh)	177.2	188.9 in 1920 *
056009	Emmaville Post Office	129.2	167.8 in 1950 *
056010	Walcha (Emu Creek)	116.6	209.4 in 1950 *
056013	Glen Innes Ag Research Stn	128.0	198.0 in 1950 *
056016	Guyra Post Office	137.0	173.3 in 1967 *
056022	Legume (New Koreelah)	120.0	124.6 in 1983 *
056023	Old Koreelah (McPherson)	163.2	267.7 in 1967 *
056029	Emmaville (Strathbogie)	126.2	130.9 in 1950 *
056065	Uralla (Mihi)	106.6	120.0 in 1967
056080	Glen Morrison (Millbank)	163.0	170.3 in 1928 *
056100	Wellingrove (Wangalea)	131.2	134.8 in 1981
056128	Swan Vale (Numeralla)	142.8	148.0 in 1978 *
057003	Bonalbo Post Office	131.4	138.3 in 1983 *
057023	Ebor (Wongwibinda)	170.0	313.4 in 1967
057103	Kookabookra	134.4	330.7 in 1967
058005	Brays Creek (Misty Mountain)	350.0	835.5 in 1967
058011	Chillingham	477.0	802.5 in 1967 *
058019	Doon Doon (McCabes Road)	442.4	507.9 in 1983 *
058020	Murwillumbah (Dungay (Taleswood))	443.6	845.8 in 1967 *
058036	Chillingham (Limpinwood)	504.0	1029.5 in 1967 *
058044	Nimbin Post Office	297.8	312.0 in 1983 *
058045	Nymboida (Armidale Road)	267.0	485.4 in 1967 *
058059	Ulmarra (Newsagency)	228.8	588.6 in 1967 *
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. = indicates the new record equals the old one.			

Highest June total rainfall for at least 30 years

		Observed this month	Most recent higher
058074	Kangaroo Creek (Jaloom)	244.2	724.2 in 1967
058099	Whiporie Post Office	246.6	405.9 in 1967
058102	Grafton South (South Grafton (Yeerong))	269.8	484.0 in 1967 *
058129	Kunghur (The Junction)	363.0	747.5 in 1967 *
058138	Kangaroo Creek (Hayfield)	282.8	482.9 in 1950 *
058148	Lillian Rock (Williams Road)	374.0	741.1 in 1967 *
059009	Coramba (Glenfiddich)	520.3	943.4 in 1967 *
059033	Thora Post Office	284.2	353.4 in 1976 *
061217	St Albans (Espie St)	164.0	220.4 in 1978 *
062014	Hargraves (General Store)	227.4	228.1 in 1923 *
062021	Mudgee (George Street)	129.4	141.0 in 1956
062028	Goolma (Brooklyn)	133.4	133.6 in 1950 *
063005	Bathurst Agricultural Station	113.1	142.3 in 1964
063022	Cowra Ag Research Station	111.9	134.6 in 1945 *
063032	Golspie (Ayrston)	189.2	221.6 in 1975 *
063035	Hill End Post Office	167.7	178.4 in 1950 *
063063	Oberon (Springbank)	204.9	221.2 in 1964 *
063073	Rockley Post Office	155.6	220.7 in 1916 *
063076	Sofala Old Post Office	100.2	119.0 in 1952
063093	Wombeyan Caves	237.8	260.7 in 1975 *
063094	Bigga (Birrellan)	212.8	223.7 in 1916
063271	Tuena (Wyoming)	164.9	234.0 in 1952
064000	Bearbung (Aller)	142.6	166.6 in 1945 *
065000	Arthurville (Cramond)	140.8	216.9 in 1916
065020	Manildra (George St)	138.0	177.4 in 1925 *
065022	Manildra (Hazeldale)	177.0	187.7 in 1925 *
065030	Dubbo (Mentone)	177.8	185.1 in 1925 *
065034	Wellington (D&J Rural)	131.4	153.9 in 1945
065036	Yeoval Post Office	146.3	157.8 in 1925 *
067019	Prospect Reservoir	299.7	304.5 in 1964
068044	Mittagong (Alfred Street)	407.4	549.7 in 1891 *
068052	Picton Council Depot	279.4	419.4 in 1964 *
068089	Joadja (Greenwalk)	258.1	329.4 in 1975 *
069002	Bega (Newtown Road)	388.4	409.8 in 1913 *
069013	Candelo Post Office	252.0	306.0 in 1978 *
069022	Narooma (Marine Rescue)	323.4	368.3 in 1975 *
069032	Wapengo Lake Road	343.9	370.2 in 1978
069065	Brogo (Hawks Head Road)	360.6	507.6 in 1978 *
069066	Wyndham Post Office	424.8	476.0 in 1978 *
069114	Brogo (Blanchards Road)	449.6	602.9 in 1975 *
070011	Bungendore Post Office	199.4	215.0 in 1891 *
070083	Tharwa General Store	145.8	181.0 in 1956 *
070220	Boorowa Post Office	135.2	149.0 in 1952 *
070261	Jerrabattgulla (Gilston)	263.4	287.8 in 1975
071000	Adaminaby Alpine Tourist Park	188.4	207.2 in 1952
072000	Adelong (Tumut St)	150.7	187.9 in 1981 *
072141	Yarrangobilly Caves	218.1	314.4 in 1981
072154	Mount Horeb (Marathorn)	154.0	193.6 in 1981
073000	Barmedman Post Office	122.5	143.7 in 1923 *
073007	Burrinjuck Dam	238.4	269.5 in 1956

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Highest June total rainfall for at least 30 years

		Observed this month	Most recent higher
073014	Grenfell (Manganese Rd)	162.8	166.8 in 1931 *
073017	Greenethorpe (Iandra)	129.6	137.5 in 1952 *
073036	Stockinbingal General Store	140.2	149.4 in 1945 *
073043	Wallendbeen (Corang)	165.3	181.5 in 1952 *
073044	Wantabadgery	103.0	135.0 in 1945 *
073051	Murringo (Windermere)	141.9	163.3 in 1952
073054	Wyalong Post Office	140.5	165.3 in 1923 *
073100	Bumbaldry (Gold 'N' Grove)	173.0	183.3 in 1931
074002	Ariah Park Post Office	142.8	151.7 in 1923
074005	Barellan Post Office	129.2	131.5 in 1923
074040	Jerilderie (Pooginook)	100.2	124.1 in 1931 *
074050	Grong Grong (Junee St)	131.6	136.0 in 1923 *
074118	Whitton (Conapaira St)	133.9	154.2 in 1931 *
075010	Darlington Point (Bringagee)	119.6	120.9 in 1931 *
075032	Hillston Airport	93.1	123.1 in 1948 *
075044	Merriwagga (The Old School Caravan Park)	102.0	104.6 in 1948
Victoria			
085096	Wilsons Promontory Lighthouse	239.0	244.7 in 1923 *
Tasmania			
091019	Connorville (Lake River)	152.6	153.2 in 1956 *
091022	Cressy Research Station (Main Office)	132.0	135.7 in 1947
091032	Epping Forest (Forton)	124.6	125.5 in 1938
091040	Hampshire (Neena Road)	332.2	333.0 in 1931 *
091041	Hillwood (Hillwoodville)	234.6	256.5 in 1931
091048	Latrobe (Coal Hill Road)	234.4	254.6 in 1947 *
091053	Lilydale Post Office	270.3	286.3 in 1931 *
091054	Longford (Denton Close)	128.0	168.9 in 1938
091088	St Patricks River (Targa Farm)	360.8	418.4 in 1931 *
091090	Selbourne (Kirnbrae)	217.6	257.0 in 1931 *
091095	Windermere (Acacia House)	203.0	216.9 in 1973 *
091107	Wynyard Airport	238.6	327.3 in 1947 *
091219	Scottsdale (West Minstone Road)	211.2	224.4 in 1971 *
092001	Apslawn	258.0	269.7 in 1954 *
092002	Avoca (Railway House)	191.2	203.8 in 1923
092003	Bicheno (Council Depot)	230.4	282.0 in 1954 *
092008	Cranbrook (Cranbrook House)	243.8	285.7 in 1954 *
092009	St Marys (Cullenswood)	322.6	322.8 in 1931 *
092012	Fingal (Legge Street)	251.8	345.6 in 1890 *
092019	Lake Leake (Elizabeth River)	229.2	317.6 in 1981
092020	Lewis Hill (St Pauls River)	204.0	237.0 in 1981
093014	Oatlands Post Office	184.5	221.2 in 1889 *
094001	Apsley (Parki)	122.4	183.9 in 1952 *
094014	Colebrook (The Meadows)	142.8	167.5 in 1952 *
094055	Richmond (Brookbank)	96.1	123.6 in 1954 *
095001	Bothwell (Franklin Street)	96.0	159.0 in 1952 *
098003	Harwell	185.0	217.9 in 1956 *
099001	Deal Island	156.9	183.8 in 1956 *
099002	Lady Barron (Franklin Parade)	181.0	241.2 in 1952 *

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= indicates the new record equals the old one.

Selected observations

Daily and mean maximum temperatures for June 2016

	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Western Australia																																
001019 Kalbarri	35.3	35.9	36.4	35.9	37.3	36.4	37.2	36.9	35.9	35.6	35.1	35.0	32.9	32.5	34.7	34.8	34.9	35.7	35.9	35.1	35.2	35.0	34.4	35.9	34.7	36.9	36.4	35.7	34.1	32.9	33.9	
002012 Halls Creek Airport	30.7	+3.5	32.0	32.9	33.9	33.6	33.5	34.3	34.4	29.0	25.9	30.5	29.6	24.1	26.5	29.5	31.0	32.0	32.8	29.4	29.1	28.9	31.7	32.9	32.9	33.3	30.8	27.5	29.1	29.2	30.7	
002056 Kununurra Aero	33.8	34.4	35.4	36.1	35.6	34.6	36.2	37.4	36.8	30.2	34.1	34.0	29.6	29.9	33.3	34.1	34.7	35.5	34.4	32.2	31.8	31.8	32.9	34.1	35.0	35.7	32.6	31.7	31.4	32.0		
003003 Broome Airport	31.1	+1.8	31.3	32.1	32.4	32.4	31.1	30.9	31.4	25.4	26.2	29.5	32.5	31.7	30.5	32.6	32.0	33.0	33.9	31.8	30.5	30.9	32.4	29.2	28.9	29.4	29.4	29.2	33.4	32.7	34.0	
003032 Derby Aero	33.3	35.4	34.9	36.0	36.5	36.3	34.4	34.0	28.6	27.3	27.8	33.6	32.6	33.1	33.2	33.0	34.5	33.9	33.6	31.8	33.2	33.2	32.7	32.9	33.9	34.4	31.3	32.2	34.8	33.7	35.4	
004032 Port Hedland Airport	28.6	+0.9	29.5	30.4	32.3	31.1	31.6	30.5	24.5	23.2	24.7	26.3	28.7	30.7	27.5	29.4	31.8	31.7	30.6	30.7	28.3	28.0	28.1	29.1	23.2	26.5	26.2	25.9	26.1	29.7	31.3	30.3
004083 Karratha Aero	26.7	29.2	31.6	32.2	29.2	27.0	29.7	23.9	23.2	23.0	25.2	26.6	25.5	26.1	27.9	28.4	28.2	29.1	26.5	25.6	26.7	27.9	27.0	24.8	23.2	26.0	24.5	21.9	25.8	29.2	24.5	
004106 Marble Bar	27.8	31.9	32.3	35.1	33.8	26.3	29.0	23.7	22.3	22.5	24.9	26.4	29.0	26.4	29.2	30.9	28.8	30.8	27.3	27.4	29.7	31.4	30.2	21.4	25.1	22.6	23.7	24.1	27.6	30.9	28.0	
005007 Learmonth Airport	23.7	25.5	26.4	27.3	20.7	21.4	23.9	23.3	20.7	19.7	22.7	22.4	24.5	27.0	24.1	23.2	25.7	27.8	24.0	25.0	28.7	19.9	21.2	22.4	20.5	23.7	22.3	21.6	24.3	24.9	27.1	
006011 Carnarvon Airport	22.6	-0.7	21.7	25.8	26.4	19.3	20.4	23.2	20.5	19.5	19.9	24.3	26.0	25.7	22.0	22.3	22.1	22.2	24.0	24.8	23.7	23.5	20.6	19.7	21.4	19.8	21.5	22.8	23.1	24.4	24.3	23.2
006044 Denham	21.5	21.5	23.6	25.8	19.5	18.5	21.2	19.2	19.1	18.8	22.8	25.0			25.0	20.8	20.2	22.5	25.0	24.0	21.0	18.9	19.5	20.9	18.9	20.0	21.2	22.5	25.0	21.8	20.2	
007176 Newman Aero	23.1	30.0	31.4	32.1	31.6	26.9	24.9	18.6	16.9	18.6	20.1	21.0	24.5	25.2	24.5	23.8	24.8	24.6	22.3	25.6	27.7	21.8	17.6	17.6	17.6	16.1	18.2	18.9	22.9	25.3	20.5	
007185 Paraburdoo Aero	24.4	29.0	31.3	32.1	28.6	25.0	24.0	19.0	17.0	21.1	22.9	24.0	28.3	25.8	24.3	23.6	27.0	26.4	27.4	27.6	29.1	22.8	18.3	20.7	22.0	20.6	21.0	21.3	22.6	24.8	24.0	
007045 Meekatharra Airport	19.1	-0.6	25.1	26.9	29.0	18.4	18.5	20.0	15.5	13.2	15.9	18.1	19.8	21.1	18.7	16.5	17.4	17.9	16.9	19.3	24.2	20.8	16.1	15.3	16.6	17.8	17.2	15.7	17.5	20.1	21.4	20.5
007600 Mount Magnet Aero	17.9	23.0	24.8	28.1	16.4	17.6	17.2	14.6	13.1	15.4	17.2	19.9	20.6	17.9	15.1	17.3	17.3	16.8	18.8	24.8	18.2	14.2	16.0	15.4	16.7	17.2	15.5	17.1	20.2	17.0	13.0	
008296 Morawa Airport	18.0	22.6	23.6	25.8	15.2	16.9	17.8	11.9	14.1	15.3	18.0	19.7	21.6	18.2	15.5	16.9	17.4	17.3	19.0	20.5	17.0	14.8	16.9	16.1	17.1	17.1	15.6	18.9	21.1	18.9	18.2	
008297 Dalwallinu	16.5	20.5	21.5	23.4	15.7	17.5	15.4	11.9	12.6	14.0	17.8	18.4	19.2	16.1	15.1	14.2	16.2	15.5	16.4	20.0	15.5	13.7	16.3	14.9	14.7	15.0	14.5	16.1	19.2	17.6	15.8	
008315 Geraldton Airport	19.7	21.8	26.0	23.2	17.5	19.9	20.4	14.9	16.0	17.7	19.0	21.8	23.8	20.0	18.7	19.2	19.2	19.0	21.9	21.3	18.9	17.1	18.8	18.6	18.8	18.5	16.9	19.9	21.9	20.4	19.2	
009021 Perth Airport	18.5	-0.3	21.3	21.6	24.7	17.6	18.5	17.0	15.0	15.2	16.3	17.5	19.7	21.3	20.4	18.9	19.1	19.7	17.1	19.6	20.1	16.8	16.9	18.1	17.2	17.2	17.3	18.6	17.5	18.2	19.6	18.1
009131 Jurien Bay	19.9	24.7	24.9	22.0	19.7	21.0	20.1	12.4	17.4	17.2				21.9	18.9	20.0	19.2	20.6	20.5	22.0	21.2	18.9	19.1	17.9	20.5	19.8	19.2	19.4	18.5	19.9	20.5	20.0
009225 Perth Metro	18.6	21.2	21.4	24.3	17.8	18.1	17.3	14.2	15.7	17.3	18.5	19.6	21.1	18.5	19.8	19.1	20.3	17.4	19.6	20.6	17.2	16.8	18.4	16.9	17.4	17.0	18.4	17.9	18.6	19.2	18.4	
009240 Bickley	15.3	17.8	18.3	21.0	14.3	15.2	14.2	11.7	12.1	12.9	14.9	16.5	19.0	15.7	16.5	16.1	17.4	12.9	16.0	17.0	14.2	13.9	15.4	13.4	13.8	13.8	14.8	14.5	15.1	15.9	15.5	
009518 Cape Leeuwin	17.4	-0.1	18.7	20.6	22.1	16.6	17.8	19.1	14.3	16.2	17.8	16.0	18.9	16.4	17.0	16.8	17.2	16.1	15.3	18.1	18.8	15.6	17.0	17.4	15.6	16.9	16.7	17.2	17.9	17.3	17.4	
009617 Bridgetown	15.8	17.5	17.7	20.8	14.9	15.7	15.7	12.0	12.4	15.2	15.9	17.4	20.1	15.0	16.6	18.3	14.5	13.1	16.1	16.5	15.4	14.8	16.2	13.8	15.2	14.8	14.6	15.6	16.0	16.5		
009746 Wittliffche	16.7	19.2	19.2	20.3	15.6	15.8	18.7	11.5	14.8	16.5	16.3	17.2	16.9	16.1	17.3	18.1	16.0	17.3	18.6	15.5	16.2	16.6	15.0	16.5	16.0	15.5	16.7	18.7	16.7	16.7		
009789 Esperance	16.7	16.5	19.1	21.9	16.0	15.9	17.9	14.8	15.8	16.1	15.8	17.7	17.8	18.5	13.9	16.4	15.5	14.4	15.5	17.6	15.5	15.9	17.5	14.6	15.7	15.6	16.8	16.9	19.6	17.7	16.6	
009965 Bunbury	17.5	19.6	20.6	20.1	16.9	17.0	17.7	12.9	15.0	16.4	16.7	18.6	19.9	17.7	18.9	17.9	16.7	16.6	17.4	18.0	17.3	16.4	17.8	15.8	16.5	16.9	17.8	16.6	19.1	17.5	17.7	
009977 Mandurah	17.8	22.0	22.4	19.9	17.3	17.5	18.2	14.4	15.3	16.3	18.4	19.5	18.4	18.8	18.5	17.7	17.2	18.1	18.4	17.8	16.1	18.3	16.0	16.4	16.6	16.6	16.0	18.0	18.3	18.3		
009999 Albany Airport	16.2	18.6	18.5	20.7	14.8	16.5	17.4	13.5	12.5	17.6	14.6	18.2	18.9	15.3	15.5	17.9	15.5	13.2	15.1	18.6	14.6	15.0	15.6	14.5	16.0	15.9	15.7	17.4	15.7	17.0		
010007 Bencubbin	16.0	-1.2	20.0	20.3	23.0	15.5	15.0	16.5	12.6	12.2	13.3	17.2	18.4	19.2	15.1	16.0	13.7	15.2	15.0	15.3	19.2	15.3	13.2	15.1	14.0	13.9	14.5	16.0	18.5	17.4	15.8	
010092 Merredin	16.2	-0.8	20.0	19.2	23.8	16.2	16.0	16.0	13.0	13.0	14.3	17.7	18.0	19.0	16.0	15.0	16.2	14.8	15.5	20.0	15.5	14.3	14.7	13.0	13.3	13.3	14.5	16.0	19.4	17.5	16.2	
010286 Cunderdin Airfield	16.6	18.6	19.1	23.2	15.8	16.2	17.5	13.9	13.2	14.3	17.4	18.1	19.6	17.1	16.7	13.8	17.6	14.8	16.6	18.3	16.0	14.9	16.4	14.6	13.9	15.9	15.4	19.3	17.8	16.5		
010633 Ravensthorpe	15.9	-1.1	18.0	18.0	22.7	16.0	16.3	16.5	13.0	12.5	16.0	13.5	16.8	18.0	15.5	14.0	16.0	15.0	13.5	14.6	18.0	16.0	15.0	17.4	13.5	14.2	15.5	16.0	16.0	17.0	18.0	
010911 Lake Grace	15.2	17.0	17.8	21.3	15.4	14.7	14.6	12.7	12.0	15.0	14.2	16.4	18.3	15.3	16.4	15.9	14.5	13.7	15.0	16.0	15.2	13.0	15.9	12.4	13.4	14.3	14.8	14.7	16.1	16.1	15.2	
010916 Katanning	14.3	15.7	16.1	19.2	14.2	13.8	13.8	11.7	11.0	13.8	12.2	15.4	17.1	14.2	15.6	16.7	12.3	12.4	13.9	16.4	14.7	12.7	15.3	12.1	13.4	13.5	14.4	14.2	13.7	14.9	15.0	
010917 Wandering	15.7	17.5	17.8	20.6	15.1	15.0	15.0	13.0	11.3	14.5	16.7	16.7	18.5	16.7	15.2	14.8	15.2	14.3	15.8	18.4	15.8	14.5	16.1	12.6	14.4	14.9	15.8	15.9	15.3	16.8	15.8	
011003 Eucla	17.9	18.6	18.8	18.2	21.5	16.8	17.8	16.7	13.9	16.4	17.1	17.1	19.0	18.0	21.3	20.2	17.5	16.7	16.2	17.0	21.2	17.8	17.1	15.5	15.4	15.8	16.6	17.9	18.5	22.9	17.7	
011052 Forrest	18.1	19.0	20.9	19.7	22.8	14.5	18.4	18.1	13.9	16.3	16.2	18.0	18.5	18.6	21.0	21.9	17.1	17.3	14.9	16.1	22.6	16.3	17.1	16.8	15.6	16.6	17.0	17.1	18.9	22.7	18.6	
012038 Kalgoorlie-Boulder Airport	15.9	-1.6	19.7	18.8	22.0	17.1	11.4	15.6	14.1	14.0	13.1	16.1	16.0	17.1	16.0	15.1	14.4	13.5	12.9	14.4	19.1	15.9	14.1	15.4	14.9	13.5	17.4	14.9	16.4	18.9	18.4	17.0
012071 Miles Constance Street	15.4	-1.4	17.4	16.8	20.8	15.2	15.8	14.9	13.0	15.0	13.2	12.7	15.1	15.3	16.1	12.4	16.2	13.8	13.1	13.5	17.4	15.6	14.9	15.9	13.7	13.5	16.1	15.1	15.8	18.3	18.0	17.0
013011 Warburton Airfield	19.2	26.7	19.7	21.2	26.2																											

Daily and mean maximum temperatures for June 2016

New South Wales	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
048027 Cobar MO	15.2	-1.0	17.4	15.4	14.2	12.0	15.6	16.4	15.1	16.9	17.9	15.5	15.0	14.3	18.1	19.6	18.2	20.6	19.1	17.7	13.3	14.3	12.9	15.2	15.0	12.6	11.1	7.8	9.7	14.0	14.9	14.8	
048245 Bourke Airport AWS	17.1		22.0	16.3	15.1	13.9	17.4	17.5	18.4	21.3	20.3	17.8	16.6	16.9	20.4	21.1	21.1	21.4	23.9	17.0	15.5	14.8	16.2	16.5	16.6	14.8	12.9	9.2	11.2	15.6	15.2	16.6	
049000 Ivanhoe Aerodrome AWS	15.3		16.0	17.6	15.1	13.0	15.9	17.1	16.1	17.4	17.3	16.5	15.7	12.8	17.5	19.1	16.4	21.8	17.1	15.7	12.7	12.9	13.4	16.2	15.6	12.6	11.4	8.8	13.4	15.0	14.7	15.5	
050052 Condobolin Ag Research Stn	14.6	-0.9	14.9	15.8	15.5	15.2	14.9	15.5	13.9	16.9	19.4	15.0	14.9	14.4	18.1	17.8	17.0	19.0	17.0	14.5	14.9	11.9	13.1	14.1	15.5	11.3	10.4	7.0	9.5	13.1	13.5	13.4	
051039 Nyngan Airport	15.5	-2.0	19.4	13.6	15.0	16.0	15.3	16.6	16.0	17.1	19.5	15.5	16.0	14.8	19.0	19.2	19.5	19.5		17.2	15.0	13.0	16.1	15.0	14.0	11.1	7.9	10.2	15.0	14.0	13.9		
052088 Walgett Airport AWS	17.2		23.2	19.5	16.8	15.9	16.2	17.8	19.1	19.9	16.6	17.7	16.2	19.3	20.4	21.6	21.8	21.5	22.9	16.3	17.8	15.2	14.9	17.5	14.9	16.3	11.8	11.3	9.7	14.5	14.6	16.2	
053115 Moree Aero	17.6		20.7	19.4	21.6	16.7	13.6	16.7	18.9	20.0	21.4	19.0	16.2	20.5	20.9	21.5	21.8	21.6	21.7	20.3	17.9	15.9	14.1	15.3	14.6	16.6	12.3	12.4	9.6	13.0	16.4	17.7	
054038 Narrabri Airport AWS	17.3		20.3	19.0	18.2	18.1	15.7	17.1	18.4	19.1	18.9	19.2	15.0	18.7	20.9	20.7	20.9	22.0	21.4	18.3	18.8	14.8	14.2	16.7	14.8	15.8	12.9	10.0	9.9	14.2	16.1	17.8	
055024 Gunnedah Resource Centre	16.2	-0.5	20.2	18.9	19.0	17.0	16.6	15.7	17.7	18.2	16.1	18.2	15.2	17.3	18.6	19.5	19.3	19.6	19.0	16.9	17.3	13.5	13.8	16.1	13.9	15.2	11.4	9.2	10.4	13.4	14.1	14.9	
055325 Tamworth Airport AWS	16.1		20.6	19.0	20.0	19.4	14.1	13.9	15.4	17.2	17.6	17.6	14.4	17.3	19.2	19.8	19.6	19.4	20.0	16.6	18.0	12.6	13.9	15.5	14.3	14.7	10.9	9.8	8.8	12.9	15.0	16.4	
056242 Inverell (Raglan St)	16.2		20.2	19.5	19.2	17.8	11.7	12.0	15.4	17.4	22.9	18.0	17.0	19.9	19.0	21.7	20.7	19.7	18.6	16.2	17.3	11.6	12.5	13.0	13.2	14.6	11.2	12.2	7.2	12.6	17.0	15.2	
057095 Tabulam (Muirne)	16.6		17.6	16.4	17.7	15.6	16.1	14.1	16.6	20.7	25.3	20.2	18.8	15.1	15.6	14.7	16.6	18.2	19.1	16.8	16.2	13.8	16.3	15.8	15.6	18.1	14.1	12.1	12.3	14.9	15.8	16.8	
058012 Yamba Pilot Station	21.0	+1.5	21.2	21.5	21.4	21.0	19.6	21.4	21.1	23.4	26.4	23.5	22.8	19.3	20.2	19.7	20.3	22.2	22.9	22.4	21.7	21.1	20.6	22.4	19.4	24.2	17.3	14.4	20.0	19.7	18.8	21.5	
060139 Port Macquarie Airport AWS	20.1		19.9	21.0	22.1	21.6	18.0	20.3	21.0	22.6	23.8	22.4	19.3	18.9	19.4	21.0	21.0	22.1	22.3	19.7	20.9	21.4	18.9	21.0	17.6	21.8	15.5	15.7	15.6	18.0	19.4	20.9	
061078 Williamtown RAAF	18.6	+1.1	19.0	19.2	20.3	19.1	16.1	19.3	19.1	20.5	20.7	20.8	18.0	17.1	19.0	20.4	21.1	20.2	19.9	20.5	19.0	19.8	17.8	19.9	18.5	19.3	14.3	15.1	13.3	16.8	17.6	16.6	
061363 Scone Airport AWS	17.1		19.7	19.3	18.6	20.5	15.1	17.3	17.0	19.7	18.0	19.0	17.1	16.8	15.7	19.3	18.6	21.0	20.6	19.1	16.6	15.4	15.4	18.1	16.4	16.7	12.3	11.9	11.2	15.4	15.1	17.3	
062101 Mudgee Airport AWS	13.8		16.4	15.0	15.1	16.6	14.6	12.1	14.0	15.8	16.1	13.9	12.9	15.0	16.8	17.6	17.3	17.0	14.1	16.7	15.5	10.6	11.1	14.2	12.2	11.2	9.3	8.9	8.1	10.8	14.8	11.6	
063005 Bathurst Agricultural Station	12.2	+0.1	16.0	15.0	13.5	16.2	12.7	9.4	11.1	14.0	14.5	12.5	11.3	12.9	14.8	15.0	16.0	14.5	13.0	16.0	13.7	10.6	9.5	11.4	10.6	8.2	7.0	7.9	6.2	8.7	14.4	9.6	
063254 Orange Agricultural Institute			12.8	12.1			12.8	7.1	10.1	11.5	11.0		10.1		12.6	13.6	14.1	12.8			11.8	7.3	7.1	7.6	8.0			6.7	3.7	7.2	12.7	6.8	
065070 Dubbo Airport AWS	14.9		18.7	13.6	14.1	17.2	15.9	15.5	13.4	17.1	17.7	14.9	14.7	16.1	19.2	18.6	19.2	19.2	15.6	16.2	16.3	11.1	12.5	15.0	13.5	12.7	9.9	7.8	9.0	13.8	14.2	13.1	
066062 Sydney (Observatory Hill)	19.0	+1.3	17.9	19.1	18.3	21.1	19.7	18.4	19.9	20.7	22.0	21.4	19.8	18.1	20.3	21.2	20.5	22.2	19.3	21.1	19.5	20.4	18.4	19.7	18.5	16.3	15.1	15.3	11.7	17.3	18.8	16.5	
067105 Richmond RAAF	18.6		17.7	19.4	18.1	18.5	17.8	19.7	19.9	20.8	22.4	21.2	20.4	17.8	18.8	22.0	19.9	22.2	19.3	21.7	15.4	19.5	18.1	20.0	18.7	16.6	14.7	14.5	12.9	17.1	17.4	15.0	
068072 Nowra RAN Air Station AWS	16.9		15.1	17.0	16.7	17.8	18.2	15.0	15.8	18.6	21.1	18.4	17.9	15.6	18.3	19.6	18.5	20.1	20.5	15.0	15.4	18.6	16.4	17.0	17.0	14.0	14.2	14.4	12.1	16.0	17.6	16.1	
068151 Jarvis Bay (Point Perpendicular)	16.8		15.0	16.0	17.3	19.2	20.2	14.9	15.7	18.1	20.2	18.5	17.7	14.5	18.0	19.5	17.6	19.2	20.0	16.1	17.5	18.3	16.3	16.9	16.5	14.0	13.0	14.1	13.4	14.7	16.5	16.1	
068241 Albon Park (Wollongong Airport)	18.2		16.8	19.3	18.6	20.1	19.6	16.0	17.6	19.9	22.0	19.9	19.1	17.5	19.9	21.8	19.3	20.9	18.8	17.4	17.7	19.9	17.3	18.5	18.0	15.6	14.4	16.8	12.8	16.2	18.3	17.2	
069018 Moruya Heads Pilot Station	17.5	+0.9	17.2	16.2	17.3	19.0	19.2	15.4	16.2	20.5	20.9	20.1	19.4	16.0	18.5	18.1	17.8	20.1	20.7	15.0	15.9	19.9	19.2	20.2	16.3	15.5	14.2	14.6	13.6	16.6	18.0	13.8	
070351 Canberra Airport	13.0		14.1	14.8	15.0	15.0	14.2	11.3	13.2	15.9	14.5	13.7	11.6	14.5	15.2	14.7	15.1	13.4	14.0	13.1	14.5	11.9	12.5	12.3	8.9	10.2	8.0	10.8	12.8	12.6	7.8		
071041 Thredbo Village	6.6		8.9	7.0	7.0	9.0	10.0	7.0	6.5	9.0	6.9	7.0	5.5	6.1	9.0	12.0	11.5	11.0	7.8	8.5	7.5	7.5	7.2	4.5	4.0	0.0	0.0	2.5	3.8	4.6	5.0	2.0	
072150 Wagga Wagga AMD	13.4	-0.2	16.9	17.7	12.8	15.5	13.7	12.1	11.8	15.3	16.5	13.6	13.5	12.8	15.1	16.2	13.9	15.9	15.3	17.7	13.0	15.1	11.5	12.9	12.7	8.2	8.9	6.6	9.0	12.6	14.3	11.9	
072160 Albury Airport AWS	13.4		17.3	18.1	13.6	14.9	14.6	12.3	12.6	14.6	15.7	13.8	13.0	12.7	13.8	15.2	11.4	12.9	15.9	17.6	14.3	16.6	11.6	13.7	13.2	8.2	10.5	7.5	10.6	11.8	13.5	11.2	
072161 Cabramurra SMHEA AWS	4.9		8.9	7.3	6.8	9.1	8.9	2.3	3.8	5.9	4.2	3.5	2.8	6.5	7.6	9.5	10.4	6.5	5.8	8.5	7.2	8.0	2.2	2.0	2.6	-1.6	-0.1	1.7	2.0	0.9	4.6	-0.1	
074258 Deniliquin Airport AWS	13.5		15.7	16.4	11.6	14.3	14.0	14.1	13.6	14.4	14.0	13.2	14.1	11.9	13.9	16.7	13.4	14.8	14.6	14.5	13.2	15.6	10.8	14.3	13.8	9.7	10.7	8.7	11.9	20.1	13.9	11.9	
Victoria	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
076031 Mildura Airport	15.9	0.0	17.9	17.0	16.2	16.3	17.9	17.7	17.4	17.5	17.1	16.7	16.9	13.7	15.3	19.9	18.8	18.2	16.2	15.7	13.2	14.2	11.5	16.5	17.3	11.9	12.6	9.1	14.2	16.1	15.7	17.3	
078015 Nhill Aerodrome	14.2		16.0	16.3	17.1	16.2	14.2	14.9	14.8	12.4	16.1	15.6	13.2	13.1	11.9	17.8	15.8	12.0	15.1	13.0	14.7	13.7	14.6	14.5	14.4	9.5	11.9	9.9	13.4	15.2	14.3	13.7	
080023 Kerang	14.1	-0.6	15.1	17.5	12.7	13.8	13.5	16.1	15.3	13.8	14.6	14.3	14.7	12.7	13.3	16.1	15.3	13.3	14.3	13.6	13.5	15.8	11.8	15.7	15.1	10.3	11.6	9.7	13.8	15.7	14.4	14.1	
081123 Bendigo Airport	12.7		15.0	16.4	15.5	13.8	14.0	12.7	14.2	12.1	13.6	12.8	12.2	12.7	11.1	13.7	14.0	12.0	12.9	12.4	14.3	15.9	10.2	13.7	12.3	9.8	10.6	8.0	11.4	12.8	13.1	9.2	
082038 Rutherglen Research	13.0	-0.3	17.6	18.6	11.9						14.6	14.4	13.7	12.7	11.7	14.2	15.3	13.8		14.8	16.0	14.4	15.2	11.0	13.0	12.6	8.0	10.1	8.2	9.8	10.7	14.1	9.6
083085 Mount Hotham	1.8		4.0	2.9	3.4	6.5	5.6	-0.1	1.3	3.6	1.3	0.1	-0.1	5.8	5.6	7.7	9.1	3.3	3.0	3.9	2.5	-0.3	-0.5	-1.1	-4.6	-4.1	-1.8	-2.3	-0.7	-0.3	-2.2		
084016 Gabo Island Lighthouse	15.7	+1.1	15.1	16.5	18.3	17.4	18.2	14.3	16.9	19.4	19.9	15.9	14.9	13.7	14.8	14.9	15.5	13.2	19.4	15.0	16.8	16.3	17.1	16.3	17.2	13.4	10.8	14.2	12.4	15.2	15.9	13.2	
084145 Orbst	15.4		15.3	16.0	14.8	18.2	17.4	13.1	17.5	19.0	19.0	16.2	13.4	13.1	15.6	14.2	15.5	15.8															

Daily and mean minimum temperatures for June 2016

Western Australia	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
001019 Kalumburu	19.4		21.3	20.6	20.4	21.2	23.0	23.9	22.3	21.2	23.9	23.1	19.7	20.0	21.5	20.1	18.6	19.2	18.8	20.6	22.7	19.6	16.1	16.4	15.2	16.3	13.1	17.5	17.8	17.8	18.0	13.2		
002012 Halls Creek Airport	16.9	+3.4	18.3	18.9	21.5	21.0	19.3	19.5	20.1	21.4	13.6	16.4	19.3	15.3	13.1	12.9	17.4	18.5	21.0	20.0	13.0	13.3	13.7	14.0	15.4	17.5	16.9	17.3	13.8	15.3	14.8	13.1		
002056 Kununurra Aero	19.1		24.9	20.0	21.0	22.3	21.8	21.1	21.5	22.2	23.1	23.3	21.8	22.3	19.1	15.1	18.8	19.9	19.5	20.4	22.2	18.2	13.5	13.7	12.5	14.1	16.1	15.9	19.1	19.6	19.8	11.4		
003003 Broome Airport	19.1	+4.2	21.5	21.7	23.8	21.4	22.3	22.4	24.8	20.5	16.4	17.7	17.6	20.0	17.0	17.5	16.3	20.0	21.4	19.9	17.9	13.3	14.4	15.7	17.6	20.3	18.0	20.9	16.8	16.7	18.0	20.0		
003032 Derby Aero	19.9		22.6	22.6	25.0	24.2	23.8	24.2	22.0	23.0	15.0	18.0	20.3	22.0	16.9	20.8	19.3	21.1	21.6	20.3	18.8	14.5	15.0	15.6	17.7	19.1	19.1	18.7	18.3	17.8	19.1	20.9		
004032 Port Hedland Airport	17.7	+3.6	16.7	23.3	19.9	23.3	24.7	23.4	20.8	12.7	10.7	11.4	14.2	18.8	18.8	15.7	17.0	21.6	17.7	15.5	17.5	16.1	15.4	19.2	19.8	18.1	18.7	16.3	11.8	12.7		21.5		
004083 Karratha Aero	18.2		17.3	22.7	22.4	24.1	22.8	23.5	19.6	12.3	10.8	11.5	16.0	16.7	20.5	17.8	18.1	21.5	18.3	15.5	17.3	17.9	18.2	23.4	19.9	18.8	19.0	16.1	14.3	14.6	16.6	19.0		
004106 Marble Bar	16.1		15.9	23.5	20.3	23.9	23.4	22.9	20.9	13.2	10.9	12.3	12.0	12.5	15.2	13.3	13.6	19.2	15.7	15.6	13.7	12.8	13.2	20.8	19.2	17.0	16.2	13.1	8.5	11.3	15.6	18.3		
005007 Learmonth Airport	13.9		12.4	14.9	18.5	19.9	18.6	19.2	16.8	9.2	7.7	7.8	9.4	12.3	15.0	12.6	12.0	14.7	11.2	10.6	15.7	18.6	16.8	17.0	16.7	16.5	13.9	7.9	8.0	12.5	15.1	15.6		
006011 Carnarvon Airport	11.7	-0.8	9.1	8.5	11.1	17.2	17.5	17.4	14.7	8.9	6.1	7.7	8.0	11.5	16.0	10.8	10.3	11.5	8.8	9.1	11.3	15.5	15.9	15.3		9.8	11.1	8.6	7.4	11.9	11.3	16.0		
006044 Denham	13.6		13.5	12.6	11.5	17.1	17.0	16.0	16.0	11.5	11.5	11.5		16.7			16.0	14.0	9.0	14.0	16.5	16.0	13.5	13.0	12.5	12.0	11.0	11.5	7.5	15.0	16.0	13.5		
007176 Newman Aero	11.5		11.9	18.8	15.9	20.1	16.5	18.1	16.3	8.0	6.1	6.2	5.8	6.1	14.6	11.4	8.9	11.9	10.6	10.8	7.4	11.5	15.6	15.6	13.4	13.0	12.2	7.0	6.3	3.3	7.8	14.6		
007185 Paraburdoo Aero	13.8		9.8	17.2	17.4	23.2	17.5	18.1	15.8	8.7	7.8	8.5	11.1	11.2	15.1	13.7	11.1	14.4	11.6	15.4	15.2	15.4	20.0	15.7	15.4	15.1	15.6	10.1	7.3	7.6	12.4	17.3		
007045 Meekatharra Airport	9.2	+0.3	11.2	13.3	14.6	14.8	14.7	14.8	10.9	5.0	3.6	6.5	6.8	8.8	12.4	8.5	6.1	9.6	6.8	7.3	10.3	11.9	12.4	11.2	5.5	6.3	7.4	6.5	5.2	5.8	7.6	9.6		
007600 Mount Magnet Aero	8.4		10.7	11.7	12.7	15.6	12.5	12.3	10.2	4.6	2.5	3.5	7.1	9.9	11.7	6.7	6.9	7.6	5.2	5.6	8.9	12.0	13.0	9.6	5.4	5.7	4.4	5.4	3.1	7.8	9.7	10.6		
008296 Morawa Airport	7.0		7.2	9.3	10.0	14.4	11.7	7.8	9.6	6.4	0.9	2.9	5.3	7.3	11.0	9.1	5.9	7.5	4.9	6.1	5.9	11.8	12.1	3.2	5.4	3.4	2.8	1.7	1.1	5.4	12.4	6.9		
008297 Dalwallinu	6.9		7.3	8.9	9.4	13.3	8.6	8.8	8.9	3.8	2.1	4.3	3.8	8.2	9.9	10.0	8.2	6.8	7.9	3.4	5.3	11.8	10.1	3.6	7.4	3.4	4.5	3.1	2.2	6.1	11.5	5.2		
008315 Geraldton Airport	9.2		6.8	12.0	11.2	15.1	13.4	9.7	10.9	6.7	5.8	7.6	7.1	11.1	13.8	8.4	8.0	9.7	6.7	5.7	9.6	13.6	14.3	7.3	9.2	7.7	6.2	5.1	3.6	8.6	13.3	6.9		
009021 Perth Airport	8.8	-0.5	6.0	9.8	12.7	14.0	9.3	6.4	10.5	3.3	7.7	9.6	9.5	11.6	11.6	10.8	7.9	8.8	10.5	7.0	8.0	11.7	7.2	9.0	9.0	10.7	7.9	4.5	6.6	7.5	10.1	4.6		
009131 Jurien Bay	9.7		6.3	10.8	12.2	16.1	10.9	9.8	10.9	7.8	4.6	10.0					8.5	10.0	9.5	7.6	8.4	6.2	10.6	15.6	13.0	10.3	11.1	9.5	7.0	6.9	5.8	10.4	15.4	7.4
009225 Perth Metro	8.9		4.9	8.5	14.3	14.7	9.5	5.4	10.9	5.9	8.3	10.5	8.1	10.9	11.5	10.9	8.3	8.6	10.5	5.4	8.8	12.1	8.5	9.6	9.1	9.5	9.5	3.4	6.6	8.0	9.7	5.0		
009240 Bickley	7.6		7.4	6.4	9.1	10.9	6.4	5.7	7.5	4.9	5.9	5.8	7.5	9.2	8.9	9.6	8.8	7.9	7.6	4.9	7.1	11.8	6.1	7.8	7.4	6.7	8.3	5.0	6.4	7.6	10.1	6.9		
009518 Cape Leeuwin	11.9	0.0	12.6	9.5	11.4	12.1	10.3	11.7	10.8	9.8	13.0	12.3	10.4	12.8	12.8	14.0	14.3	13.3	10.2	8.3	10.7	14.1	11.4	13.4	11.2	11.7	11.5	11.8	13.9	12.1	12.9	13.5		
009617 Bridgetown	5.7		1.7	0.8	3.2	9.0	-0.2	1.5	8.7	5.5	7.1	9.9	7.7	9.0	6.8	8.4	11.8	10.9	6.7	2.7	6.8	8.1	2.0	5.7	6.7	8.1	8.9	0.4	3.4	3.9	3.5	2.7		
009746 Whitcliffe	9.0		3.9	1.4	7.5	11.6	6.2	10.8	9.5	8.2	8.9	9.6	5.5	13.2	7.6	11.3	12.3	11.5	7.0	6.8	10.8	13.0	6.1	9.1	10.7	9.9	10.3	6.9	11.3	11.4	9.7	8.3		
009789 Esperance	8.8		5.6	6.6	8.6	13.0	9.9	4.7	8.5	11.0	9.5	10.3	8.6	10.6	10.6	10.1	11.7	10.2	11.1	4.9	6.8	10.2	9.7	7.5	10.6	8.8	6.7	6.8	6.9	6.1	10.7	8.6		
009965 Bunbury	7.7		4.1	6.0	6.0	11.5	2.7	3.9	6.6	6.4	9.8	10.7	5.6	12.2	6.2	10.0	9.3	10.7	8.4	3.1	8.0	10.7	2.9	8.3	5.6	9.6	11.4	3.8	10.6	10.4	12.1	3.7		
009977 Mandurah	11.0		9.3	9.8	14.0	14.5	9.0	9.3	11.4	8.0	9.8	10.9	12.3	13.6	11.0	12.7	11.4	11.6	9.9	9.1	12.2	14.3	8.4	10.9	11.5	10.1	11.3	8.1	11.7	11.7	12.8	7.9		
009998 Albany Airport	7.8		3.0	1.1	7.1	10.2	8.0	2.8	9.7	9.0	7.6	10.2	8.5	9.3	9.5	12.7	10.8	11.1	8.3	1.5	6.6	11.4	5.6	9.0	8.1	3.0	8.9	6.2	9.0	9.3	8.8	7.9		
010007 Bencubbin	6.7	-0.7	8.7	7.3	11.6	13.5	8.4	7.1	8.5	4.5	1.1	3.0	5.5	8.8	10.6	8.6	9.2	6.9	7.7	4.9	6.7	10.5	9.7	3.6	6.5	2.5	3.7	1.4	0.9	4.7	9.8	4.8		
010092 Merredin	6.3	-0.4	7.1	8.6	12.0	12.0	6.0	8.0	8.5	4.4	1.0	3.7	6.2	10.6	10.3	8.5	9.5	6.0	8.0	5.9	7.6	11.2	8.5	1.5	4.5	2.0	1.0	-0.6	0.5	1.6	5.5	2.5		
010286 Cunderdin Airfield	6.1		5.1	4.0	7.8	13.4	7.8	5.9	8.7	4.4	0.3	5.8	6.7	8.7	9.5	9.3	9.0	6.3	9.0	4.8	5.4	11.7	6.6	3.6	5.5	1.7	2.4	-0.6	1.6	5.5	9.9	2.3		
010633 Ravensthorpe	7.6	-0.2	4.0	6.0	9.0	12.5	5.2	2.8	10.0	10.0	7.0	10.5	9.4	10.5	10.0	10.0	9.0	7.0	8.0	4.1	7.9	10.0	7.0	6.0	7.0	3.5	6.8	4.5	7.0	6.0	10.0	6.0		
010911 Lake Grace	6.4		3.5	6.9	7.8	11.1	3.2	2.1	7.4	6.3	5.9	10.1	8.6	9.5	10.0	10.5	10.8	9.4	5.9	2.0	5.8	8.7	6.3	4.9	6.5	5.8	4.3	0.5	4.1	2.6	8.4	2.4		
010916 Katanning	6.8		4.8	6.0	6.9	10.1	2.3	3.1	6.9	5.5	6.0	9.2	9.3	9.5	9.9	10.2	8.7	8.5	6.7	3.1	6.6	9.8	5.0	7.2	5.3	7.4	7.1	3.8	6.9	2.9	8.0	5.9		
010917 Wandering	4.5		0.4	1.7	6.5	11.5	0.4	-0.3	6.5	5.7	5.4	7.8	6.8	9.0	8.2	10.3	11.0	5.0	5.8	1.5	2.9	7.3	2.0	2.7	2.3	2.3	3.7	-1.4	3.8	0.1	4.5	0.2		
011003 Eucla	8.3		6.6	13.0	4.9	6.5	11.8	11.0	11.4	9.5	9.3	6.1	11.6	7.5	9.7	6.6	11.8	10.1	11.6	9.8	5.3	5.6	12.9	6.3	7.1	7.0	9.4	4.7	3.7	4.1	5.7	9.6		
011052 Forrest	6.2		4.9	9.0	3.7	4.5	10.4	8.8	12.6	9.1	7.8	4.1	8.2	4.2	6.8	2.9	8.0	9.2	8.3	5.2	1.4	3.2	13.0	5.5	5.0	2.3	5.4	4.3	1.8	1.3	4.8	8.2		
012038 Kalgoorlie-Boulder Airport	6.5	+0.4	8.0	5.5	9.1	13.2	8.5	8.9	7.8	7.0	4.7	1.3	6.9	7.8	10.6	10.5	7.4	6.2	8.2	5.1	4.8	9.0	1.1	6.3	2.0	4.6	2.5	0.3	6.4	8.4	2.8			
012071 Salmon Gums Res. Stn.	5.0	-0.9	0.0	0.2	3.6	11.6	5.5	-3.0	8.4	9.0	8.6	7.3	8.8	8.6	8.6	7.9	8.8	5.6	4.4	-1.0	2.3	9.0	7.8	2.0	7.2	0.3	3.1	2.9	0.1	1.5	10.3	3.7		
013011 Warburton Airfield	9.0		14.2	15.3	11.7	11.9	15.9	14.4	16.8	9.3	8.2	4.3	6.2	7.7	7.6	5.1	11.6	8.0	4.8	6.9	2.4	4.3	15.0	13.0	10.6	5.9	10.3	3.1	4.6	5.3	6.8	8.4		
013012 Wiluna																																		
013017 Giles Meteorological Office	9.1	+1.2	13.0	15.9	12.7	9.7	12.6	15.9	16.7	9.4	5.9	4.3	4.6	5.6	6.8	7.2	11.2	10.7	4.6	6.2	3.9	3.7	9.7											

Daily and mean minimum temperatures for June 2016

New South Wales	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
048027 Cobar MO	7.9	+2.0	7.8	10.0	12.4	11.3	10.4	8.6	10.6	7.8	11.6	10.7	5.2	4.5	3.8	6.7	6.8	8.1	12.1	12.6	12.3	10.1	9.4	10.2	8.3	9.1	1.0	2.2	4.7	3.2	2.2	3.4	
048245 Bourke Airport AWS	8.1		4.3	12.6	11.2	12.1	10.0	10.3	10.1	7.0	12.1	11.0	5.5	4.6	4.2	5.9	5.8	9.1	13.3	13.3	13.0	11.7	8.5	12.0	10.5	10.9	0.6	2.7	4.7	1.1	2.7	1.0	
049000 Ivanhoe Aerodrome AWS	6.7		8.4	4.5	8.1	10.9	7.4	8.4	10.7	9.2	12.2	7.1	8.6	2.5	0.7	3.7	4.8	5.3	11.6	8.0	9.7	9.1	8.3	9.0	7.4	7.6	1.6	2.5	4.3	4.5	2.1	3.5	
050052 Condobolin Ag Research Stn	6.0	+2.7	3.6	6.5	8.5	12.0	11.5	6.7	10.0	8.9	12.0	11.2	7.9	1.4	0.5	1.6	0.0	2.1	9.4	12.5	10.0	9.2	3.6	10.3	6.0	8.3	0.8	-0.9	2.6	2.5	-0.5	1.0	
051038 Nyngan Airport	7.3	+2.2	5.0	11.1	12.0	13.0	11.3	8.0	9.0	6.5	11.5	8.4	9.0	5.2	3.5	5.6	5.3	6.0	11.4			11.0	10.6	10.8	8.0	10.4	2.2	2.0	3.8	1.0	1.0	2.4	
052088 Walgett Airport AWS	7.7		2.3	12.1	13.1	14.0	11.2	8.5	10.1	5.1	12.0	10.5	7.1	5.1	2.8	6.2	3.5	7.1	10.3	13.5	14.4	11.9	7.4	9.7	9.3	11.4	3.1	1.0	4.8	1.2	0.5	0.8	
053115 Moree Aero	8.2		7.7	12.5	12.7	14.8	11.0	6.7	9.6	5.4	11.4	7.3	6.8	4.8	7.6	6.8	7.9	8.0	11.5	15.1	15.0	11.9	8.2	10.2	8.4	10.7	3.1	0.5	5.6	3.1	-0.6	1.9	
054038 Narrabri Airport AWS	7.7		6.0	11.3	11.9	14.0	11.3	6.7	9.5	5.0	10.0	8.5	8.0	5.4	7.6	5.4	6.9	4.6	12.2	14.9	14.4	11.5	8.4	10.3	8.0	9.9	1.9	0.2	4.6	2.7	0.3	0.2	
055024 Gunnedah Resource Centre	7.6	+1.7	6.2	11.1	12.6	13.1	11.7	7.1	8.8	8.5	10.1	9.3	8.7	4.4	4.4	5.3	5.4	7.2	9.1	12.8	11.9	10.9	9.6	9.8	7.3	9.2	3.0	0.2	2.9	4.4	0.7	1.6	
055325 Tamworth Airport AWS	6.1		5.6	10.4	10.4	14.1	11.8	8.5	6.7	8.1	6.8	7.4	8.5	2.8	4.1	4.4	3.7	3.5	3.7	9.8	12.8	10.7	9.3	8.7	5.5	8.7	2.3	-1.8	1.9	0.5	-2.9	-2.3	
056242 Inverell (Raglan St)	4.6		1.0	9.0	10.4	13.2	10.8	5.4	8.0	2.6	4.0	3.8	1.7	4.0	1.5	1.8	1.2	-0.5	5.6	9.0	11.6	9.9	7.9	6.2	6.6	7.8	0.5	-3.8	0.9	3.5	-3.4	-3.5	
057095 Tabulam (Muirne)	9.2		9.4	10.7	11.8	12.7	10.7	9.2	8.7	9.0	10.8	12.1	8.7	10.0	9.8	10.2	11.5	9.3	9.8	12.2	13.6	10.6	8.6	8.3	9.5	9.2	3.6	3.2	7.4	3.5	5.3	7.7	
058012 Yamba Pilot Station	12.3	+1.5	10.0	12.8	14.5	16.0	15.1	12.9	11.8	11.1	12.1	16.0	11.7	15.1	13.6	14.8	13.5	11.4	11.8	14.5	17.2	15.9	10.7	13.8	11.9	13.2	9.7	5.0	8.3	8.3	8.6	8.6	
060139 Port Macquarie Airport AWS	8.7		6.5	6.4	9.4	14.2	15.3	13.1	4.6	4.3	7.8	7.8	4.6	9.6	10.8	10.3	8.4	10.0	7.2	8.2	13.4	14.4	11.1	9.8	4.9	6.9	7.9	4.2	7.5	8.2	7.9	5.0	
061078 Williamtown RAAF	9.2	+1.4	10.5	8.7	8.7	13.3	14.3	13.1	12.0	12.2	10.2	13.2	9.9	9.3	9.0	6.5	7.0	5.5	6.1	12.3	10.7	13.6	13.5	13.6	5.4	8.8	6.0	3.2	7.1	6.9	4.6	1.7	
061363 Scone Airport AWS	6.6		3.9	8.9	6.6	11.5	12.9	10.6	11.0	11.6	11.6	10.2	7.9	3.6	2.6	1.8	1.4	2.0	3.4	10.2	11.2	13.0	11.3	10.5	6.2	10.3	4.5	-2.2	3.3	2.9	-2.1	-3.1	
062101 Mudgee Airport AWS	5.1		5.5	5.8	10.0	11.9	11.2	7.9	8.2	7.5	8.9	9.4	8.9	-1.2	1.0	0.2	-0.8	0.5	5.0	11.7	8.7	10.0	8.8	7.9	2.2	5.2	1.2	-3.1	1.8	4.5	-3.8	-4.4	
063005 Bathurst Agricultural Station	3.7	+2.6	2.8	5.2	7.5	9.8	10.4	6.0	7.0	7.0	8.4	8.5	7.0	-2.5	-2.5	-1.5	-3.4	-1.5	1.0	7.5	8.5	8.8	7.5	6.8	3.6	5.6	0.8	-4.0	-0.5	2.3	0.5	-4.3	
063254 Orange Agricultural Institute			3.7	4.2	7.3			4.4	5.4	5.5	6.8	6.0		-0.4		1.8	1.6	4.5	5.5			6.1	5.3	4.8	3.7	3.8			-2.5	0.9	1.1	1.2	
065070 Dubbo Airport AWS	6.1		7.1	10.2	11.0	12.5	10.3	5.3	7.3	7.3	10.4	9.9	7.7	-0.5	3.1	5.1	3.4	3.5	7.4	12.1	11.0	10.5	9.4	9.5	4.1	7.4	-0.4	-1.4	2.8	2.5	-2.3	-1.9	
066062 Sydney (Observatory Hill)	11.0	+1.4	10.9	11.1	11.7	13.3	16.3	13.7	11.3	10.9	13.8	13.1	10.1	7.9	8.5	9.9	9.1	10.2	12.7	14.7	14.5	15.0	14.9	12.8	9.4	12.7	7.3	5.6	7.4	7.7	6.7	5.4	
067105 Richmond RAAF	7.1		7.0	6.3	9.4	12.3	14.3	13.1	10.5	6.1	12.9	9.0	5.9	1.8	4.0	3.4	2.7	5.3	5.9	9.4	12.5	13.0	13.7	12.0	4.1	10.7	2.4	-1.2	3.8	5.4	-1.2	-1.4	
068072 Nowra RAN Air Station AWS	8.9		11.0	9.7	8.1	11.0	14.8	12.5	12.0	11.6	12.1	12.3	11.2	3.0	4.0	6.1	6.9	6.6	8.2	11.6	13.1	11.0	13.3	12.1	10.0	7.4	5.5	4.4	6.9	5.1	4.4	1.3	
068151 Jervis Bay (Point Perpendicular)	11.6		12.4	12.1	13.0	14.2	15.3	13.4	12.5	12.7	14.6	13.4	12.1	10.1	7.1	10.5	10.3	10.0	12.6	14.3	14.2	13.6	14.1	12.8	11.3	11.8	7.3	7.6	9.1	9.4	8.0	8.3	
068241 Albury Park (Wollongong Airport)	8.5		10.4	8.9	8.6	11.8	15.3	14.3	12.3	12.4	12.2	13.9	11.0	5.2	2.4	3.6	4.4	3.4	5.7	10.8	13.3	11.7	14.3	6.2	7.6	5.4	6.1	5.9	5.9	8.0	3.8	1.0	
069018 Moruya Heads Pilot Station	8.9	+1.8	7.8	9.2	9.8	12.0	11.5	14.2	8.8	9.6	13.8	8.8	9.1	5.1	3.2	4.2	6.5	4.0			10.4	11.6	12.2	15.0	12.1	11.0	11.4	7.8	5.4	6.9	3.9	5.8	6.6
070351 Canberra Airport	3.0		5.9	4.9	2.7	8.2	11.8	8.9	7.1	6.6	9.2	6.6	6.6	-3.5	-4.5	-3.5	-5.5	-3.8	1.5	8.8	9.0	7.6	8.1	7.1	7.0	4.8	-2.7	-5.1	-0.8	-4.7	-4.3	-3.6	
071041 Thredbo Village	-0.5		-5.5	-2.1	0.0	3.5	6.0	5.0	2.0	2.0	5.3	2.9	1.5	-7.0	-5.0	-4.0	-5.5	-6.5	5.0	2.2	2.5	3.0	2.0	0.9	1.0	-1.0	-3.3	-7.0		-4.8	-4.0	-3.5	
072150 Wagga Wagga AMD	6.3	+3.1	7.5	5.3	8.8	9.9	10.6	8.1	7.9	9.3	11.5	9.8	8.1	-0.1	1.5	3.4	0.2	2.0	6.2	12.1	9.9	11.1	9.4	9.2	7.8	6.8	0.9	-1.1	0.0	5.0	6.9	1.8	
072160 Albury Airport AWS	5.6		3.2	3.3	4.7	9.8	10.8	7.2	9.0	9.8	11.4	10.5	9.6	0.4	-0.6	0.9	0.9	0.0	4.1	9.0	8.1	10.0	8.8	9.1	9.0	6.6	-0.8	-1.3	2.1	2.5	6.2	3.0	
072161 Cabramurra SMHEA AWS	0.7		1.8	2.2	1.3	3.6	6.6	1.5	0.5	0.4	2.4	2.6	0.2	-3.1	0.2	1.0	2.5	1.5	2.9	4.3	4.0	4.7	0.9	-1.2	0.0	-2.0	-5.0	-4.8	-2.0	-3.3	-1.8	-1.1	
074258 Deniliquin Airport AWS	5.6		5.6	5.8	7.3	9.1	10.9	7.8	8.3	6.9	9.3	6.6	6.4	1.1	0.2	0.5	1.4	1.2	4.6	10.4	7.4	9.4	8.3	8.8	9.0	5.9	0.6	0.0	2.7	2.0	5.0	4.8	
Victoria	Mean Anom	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
076031 Mildura Airport	5.6	+0.6	7.2	4.5	5.7	6.9	6.0	8.0	9.1	8.8	10.7	7.0	5.7	0.9	-1.7	2.6	3.3	8.3	9.3	9.8	10.3	4.6	7.1	6.9	7.0	6.3	0.1	3.4	2.9	0.9	1.0	5.7	
078015 Nhill Aerodrome	5.0		6.2	4.4	5.0	5.4	5.4	7.0	7.0	7.4	8.8	6.6	4.9	-0.4	1.4	1.4	3.1	4.8	7.7	9.2	3.9	5.4	7.4	7.6	7.6	3.3	1.0	3.0	2.8	4.3	3.8	5.1	
080023 Kerang	4.9	+0.3	2.1	4.8	5.6		9.0	7.6	7.8	6.4	8.8	5.5	5.0	0.5	-0.7	-0.1	1.1	2.1	5.7	11.5	7.0	8.3	7.4	8.6	8.3	5.1	0.8	0.0	3.6	2.5	3.5	5.2	
081123 Bendigo Airport	4.4		5.0	6.1	6.9	9.8	10.1	4.0	6.7	5.8	6.8	2.5	2.5	-1.0	-0.7	-0.7	0.5	1.9	5.6	8.6	6.0	9.7	6.0	7.8	7.8	4.7	0.9	-1.7	2.2	0.6	2.2	7.3	
082038 Rutherglen Research			1.5	0.8	3.1	7.5								-1.1	-2.1	-1.1	-2.6	-0.6	8.4	8.5	6.4	9.1	8.4	9.0	9.1	6.0	-1.8	-2.4	0.4	2.9	6.4	1.9	
083085 Mount Hotham	-2.0		-0.4	-0.8	-1.3	0.4	2.5	-1.0	-1.5	-1.4	-0.3	-1.0	-3.6	-6.2	-0.9	0.6	2.5	-1.5	-0.2	1.1	1.5	-0.1	-1.1	-2.7	-2.0	-4.6	-7.3	-6.3	-7.6	-7.3	-4.7	-3.4	
084016 Gabo Island Lighthouse	9.8	+0.2	9.5	11.2	10.9	12.1	14.8	13.6	11.1	11.0	11.2	12.1	9.5	8.9	7.2	7.0	9.7	6.3	7.3	12.3	10.4	12.0	12.1	9.1	8.1	6.3	7.0	7.8	7.8	9.4	9.8	8.3	
084145 Orbst	6.4		4.1	6.8	6.0	8.2	10.9	11.0	7.5	9.3	7.9	11.0	6.0	6.5	2.1	2.5	3.8	0.9	3.9	10.0	8.0	9.4	9.9	8.9	6.7	3.1	4.7	5.7	2.6	5.0	6.9	3.3	
085072 East Sale Airport	4.8	+0.9	0.6	2.5	2.5	7.9	11.3	11.3	5.3	11.0	5.2	8.5	9.7	4.5	0.5	-2.5	0.9	-1.9	0.1	9.1	4.3	8.0	9.8	9.7	9.5	1.0	2.9	3.3	0.9	3.3	2.2	1.1	
085096 Wilsons Promontory Lighthouse	10.3	+0.7	12.2	12.2	12.8	12.8	14.1	12.5	11.1	11.7	10.1	10.4	9.3	8.4	9.8	9.3	10.9	8.7	10.1	10.5	10.7	12.5	11.2	10.8	10.1	5.5	5.3	8.7	7.1	8.2	10.3	10.2	
087031 Laverton RAAF	6.4	+0.8	1.2	2.4	3.8																												

Western Australia		Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
001019 Kalbaruru			4.2																														
002012 Halls Creek Airport																																	
002056 Kununurra Aero																																	
003003 Broome Airport		5.6	16								5.6																						
003032 Derby Aero			6.7																														
004032 Port Hedland Airport		24.6	20							6.8	9.0	0.2															2.8	2.4	3.2	0.2			
004083 Karratha Aero		124.4				0.4	2.6	5.0	71.4																		16.6	1.8	26.2	0.2			0.2
004106 Marble Bar		44.4					1.6	6.2	31.6																			1.8	3.0	0.2			
005007 Learmonth Airport		102.4	41			52.8	6.2	13.6	0.2	0.2														10.8	16.2	2.0		0.2	0.2				
006011 Carnarvon Airport		33.0	47			3.0	5.2	7.6	2.9	0.1						1.0								10.0	3.2								
006044 Denham		38.4	49			3.6	12.4	5.2	3.2															0.2	12.2								1.6
007176 Newman Aero		61.4					0.4	2.4	25.8	0.2																0.6	12.4	0.2	14.0	5.4			
007185 Paraburdoo Aero		72.2						3.6	4.2	16.4						6.4	0.2									12.0	13.0	0.2	16.2	0.2			
007045 Meekatharra Airport		42.8	36			0.6	10.6	3.2	8.4	0.6		0.2				2.0	5.2			0.2					5.0	6.6		0.2					
007600 Mount Magnet Aero		36.6				0.6	10.0	1.2	2.6		0.2					4.0	3.0	0.2		0.2					12.2		0.2				0.2		2.0
008296 Morawa Airport		64.0				4.2	3.0	0.2	14.0	3.8			0.2			18.8	1.2	0.2		0.2		0.2	0.2	3.8	10.8		0.2		0.2	0.2		2.6	0.2
008297 Dalwallinu		41.2						0.2	7.6	0.4						14.8	3.0	0.2	0.2		0.2		0.2	3.4	5.8	0.2	1.0	0.2	0.6	0.6		2.6	0.2
008315 Geraldton Airport		91.0				4.6	1.0	0.2	17.8	24.8		0.2				10.2	1.2		0.2				0.2	5.2	10.4		0.2		0.2		0.2	14.4	
009021 Perth Airport		86.4	168					8.8		16.8	0.4		1.0	1.4		21.4								9.0	5.2	1.0	2.8		4.0	2.2		0.2	12.2
009131 Jurien Bay		142.4				4.4			35.2	36.0						35.6	0.6							8.8	0.8		2.6		2.5	0.3		15.4	0.2
009225 Perth Metro		109.4																															

Daily and total rainfall for June 2016

New South Wales	Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
046043 Wilcannia (Reid St)	58.2	20	-	-	-	-	0.4	-	-	-	1.0	-	-	-	-	-	-	-	15.8	-	12.8	12.6	-	12.4	0.6	-	-	-	2.6	-	-	-	
048027 Cobar MO	112.2	26	-	6.4	1.2	24.6	8.0	-	-	-	2.4	0.2	-	0.2	0.2	-	-	-	8.6	10.6	4.6	29.8	-	8.8	-	3.0	-	-	3.2	-	-	0.4	
048245 Bourke Airport AWS	80.2	-	-	-	5.6	22.6	0.6	-	-	-	3.6	-	-	-	-	-	-	-	4.6	17.6	14.2	4.8	-	2.0	0.8	2.2	-	-	1.4	-	0.2	-	
049000 Ivanhoe Aerodrome AWS	41.0	0.2	0.2	-	-	0.2	1.4	-	-	-	0.4	-	-	-	0.2	-	-	-	7.6	0.2	1.0	21.4	-	4.6	0.2	1.8	0.2	-	0.8	0.4	0.2	-	
050052 Condobolin Ag Research Stn	161.5	27	-	-	10.4	46.2	26.0	0.4	0.4	0.1	4.2	0.4	-	-	-	-	-	-	8.4	15.0	1.2	32.4	5.0	5.4	0.2	1.2	2.6	-	1.6	0.4	-	-	
051039 Nyngan Airport	150.0	26	-	15.0	13.0	49.6	3.0	-	-	-	7.4	-	-	-	-	-	-	-	3.4	-	-	51.4	-	4.6	-	1.0	-	-	1.6	-	-	-	
052088 Walgett Airport AWS	122.0	-	-	-	2.6	56.6	-	-	-	-	-	2.0	-	-	0.2	-	-	-	-	5.2	38.8	4.4	-	1.6	-	7.0	-	-	3.4	0.2	-	-	
053115 Moree Aero	57.2	-	-	1.6	-	20.6	1.4	1.2	-	-	-	-	-	-	-	-	-	-	2.6	3.0	18.4	0.6	3.0	0.2	3.0	0.2	-	0.6	0.8	-	-	-	
054038 Narrabri Airport AWS	103.8	-	-	8.6	10.2	20.8	2.0	1.8	-	-	-	4.0	-	-	-	-	-	-	-	8.0	2.0	21.2	1.0	8.0	0.2	11.4	0.2	0.2	4.0	-	-	0.2	
055024 Gunnedah Resource Centre	88.2	33	-	2.8	-	14.8	10.6	0.2	-	-	-	4.0	-	-	-	-	-	-	1.8	1.8	29.6	2.8	6.4	0.6	6.4	0.6	-	5.8	-	-	-	-	
055325 Tamworth Airport AWS	169.0	-	-	3.0	-	6.2	61.6	-	-	0.2	-	6.6	-	-	-	-	-	-	9.0	5.2	38.8	3.2	14.6	0.8	11.2	2.2	-	6.2	0.2	-	-	-	
056242 Inverell (Raglan St)	106.6	-	-	0.6	3.6	12.6	29.0	2.0	-	-	-	-	-	-	-	-	-	-	2.6	6.6	30.0	3.2	4.0	1.4	9.4	0.2	-	1.4	-	-	-	-	
057095 Tabulam (Muirie)	143.6	-	-	0.8	1.0	31.8	47.2	-	-	-	-	-	-	-	2.8	1.2	5.0	0.6	-	-	-	2.4	50.0	-	-	-	0.4	-	0.4	-	-	-	
058012 Yamba Pilot Station	307.6	141	-	2.2	21.4	32.8	172.4	-	-	-	-	-	-	-	4.2	2.6	6.0	-	0.2	0.2	12.8	52.6	-	-	-	-	-	-	-	0.2	-	-	
060139 Port Macquarie Airport AWS	150.0	-	-	-	-	26.0	89.4	5.4	-	-	-	-	-	-	3.2	0.8	0.2	-	-	-	4.0	20.4	-	-	-	-	-	-	0.4	0.2	-	-	
061078 Williamtown RAAF	151.2	122	10.6	-	-	6.8	88.4	22.2	-	-	-	-	-	-	-	-	-	0.2	-	2.0	1.8	17.6	-	-	-	-	-	-	-	0.6	-	-	
061363 Scone Airport AWS	121.0	-	-	-	-	10.0	53.0	1.8	-	0.2	-	7.2	-	-	-	-	-	0.2	-	0.6	1.8	32.6	0.8	3.6	-	0.2	5.8	-	3.0	0.2	-	-	
062101 Mudgee Airport AWS	112.0	-	-	-	-	19.0	4.8	-	0.8	0.4	17.6	1.8	-	-	-	-	-	-	19.2	0.4	9.4	7.4	16.4	-	10.4	3.8	0.2	0.4	-	-	-	-	
063005 Bathurst Agricultural Station	113.1	34	-	0.2	1.0	7.8	9.4	6.0	1.6	2.6	18.6	1.8	-	0.2	-	-	-	-	1.8	11.8	0.4	17.2	6.9	9.2	0.6	5.2	7.2	-	3.2	0.4	-	-	
063254 Orange Agricultural Institute	265.0	62	0.2	-	0.4	»	»	32.4	10.2	16.8	30.0	5.8	»	0.4	»	0.4	0.2	0.2	6.2	»	»	57.0	37.0	37.4	0.6	18.6	»	»	10.4	0.4	0.2	0.2	
065070 Dubbo Airport AWS	151.6	-	-	-	10.6	33.8	8.6	0.8	1.6	1.2	12.4	0.2	0.6	0.2	-	-	-	-	1.8	25.6	1.6	20.2	10.6	13.6	-	3.4	2.0	0.2	2.0	0.4	0.2	-	
066062 Sydney (Observatory Hill)	305.0	140	29.4	1.0	0.2	64.4	93.8	68.4	-	-	0.2	0.2	-	-	-	-	-	-	5.0	0.4	38.8	-	-	-	-	-	0.6	-	-	2.4	0.2	-	
067105 Richmond RAAF	189.2	-	-	1.6	-	5.0	70.6	78.4	-	-	-	-	-	-	-	-	-	-	4.2	-	27.8	-	-	-	-	-	-	-	1.4	0.2	-	-	
068072 Nowra RAN Air Station AWS	411.8	18.2	0.8	-	45.2	159.4	148.2	-	-	-	-	-	-	-	-	-	-	0.2	-	8.4	3.0	25.8	-	-	-	-	-	-	-	2.6	-	-	
068151 Jervis Bay (Point Perpendicular)	383.0	32.4	12.4	-	66.8	129.4	79.8	-	-	-	-	-	-	0.2	-	-	-	-	3.0	2.4	54.8	1.6	-	-	-	-	-	-	-	0.2	-	-	
068241 Albion Park (Wollongong Airport)	340.4	19.2	0.8	-	56.4	166.4	66.6	-	-	-	-	-	-	-	-	-	-	-	4.6	0.2	24.8	-	-	-	-	-	-	-	-	1.4	-	-	
069018 Moruya Heads Pilot Station	320.2	90	0.4	48.4	5.0	18.0	130.8	82.2	0.4	-	-	-	-	-	-	-	-	-	1.0	1.4	32.6	-	-	-	-	-	-	-	-	-	-	-	
070351 Canberra Airport	144.2	-	-	5.4	-	2.6	28.4	65.2	-	-	4.0	0.6	-	-	-	0.2	-	0.2	2.2	9.6	0.4	21.2	0.2	1.0	-	1.6	1.0	0.2	-	-	0.2	-	
071041 Thredbo Village	343.7	1.8	-	2.0	5.5	26.3	66.0	5.2	2.2	42.2	15.2	3.6	0.6	-	-	-	-	-	6.0	11.9	0.2	39.0	25.0	36.6	6.5	40.8	6.8	-	-	-	-	0.3	
072150 Wagga Wagga AMO	84.6	42	-	-	4.8	11.8	10.2	1.6	2.6	1.8	0.6	1.0	0.4	-	-	-	-	-	4.2	»	8.2	16.2	0.4	11.6	-	6.0	-	-	3.2	-	-	-	
072160 Albury Airport AWS	86.0	-	-	-	11.6	11.6	1.2	3.6	1.8	7.2	3.0	1.2	-	0.2	-	0.2	-	-	7.6	0.2	0.2	14.4	1.4	12.6	0.2	4.0	2.6	-	0.2	0.2	0.8	-	
072161 Cabramurra SMHEA AWS	292.2	-	3.0	-	-	7.0	48.8	12.8	39.8	22.2	30.6	8.0	0.2	-	-	-	-	-	2.8	8.2	2.6	12.6	20.8	38.6	7.2	25.4	1.6	-	-	-	-	-	
073054 Wyalong Post Office	140.5	30	-	-	13.8	33.0	14.8	0.4	1.4	1.0	1.9	2.2	0.4	-	-	-	-	-	7.8	6.6	0.2	41.0	4.2	3.0	0.2	5.0	1.6	-	1.4	0.2	0.4	-	
074258 Deniliquin Airport AWS	50.6	0.2	0.2	0.2	16.8	2.4	-	2.0	0.4	1.0	-	-	-	-	-	0.2	-	0.2	5.2	-	-	7.2	0.2	6.8	0.2	5.8	1.4	-	-	0.2	-	-	
Victoria	Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
076031 Mildura Airport	18.2	22	-	-	-	-	-	0.4	-	1.0	2.2	0.4	-	-	-	-	-	-	1.4	1.4	0.4	1.4	-	3.2	-	5.4	0.8	-	-	0.2	-	-	
077008 Birchip (Woodlands)	34.0	27	-	-	-	-	2.0	-	2.8	-	4.2	-	-	-	-	-	-	-	15.8	-	-	-	-	-	-	-	-	-	-	-	-	-	
078015 Nhill Aerodrome	43.4	-	-	-	-	-	0.6	1.4	0.2	7.0	1.0	2.0	0.6	-	-	-	-	-	3.2	4.8	0.4	-	0.2	2.4	5.2	0.2	13.0	0.6	-	0.2	0.2	0.2	
079082 Horsham	57.6	37	-	-	-	-	0.6	»	4.6	5.2	-	-	-	-	-	»	»	23.6	-	-	-	-	-	-	-	9.2	0.6	12.0	1.8	-	-	-	-
080023 Kerang	32.8	29	-	-	-	7.4	1.6	-	1.6	0.2	3.4	-	0.6	-	-	-	-	-	»	5.4	0.4	-	-	3.8	1.8	-	6.4	0.2	-	-	-	-	
081123 Bendigo Airport	57.4	0.2	-	0.2	11.6	1.2	-	0.4	1.6	8.8	0.4	0.8	0.2	0.2	0.4	-	-	-	0.2	8.0	1.2	-	1.6	0.2	8.2	0.8	10.4	0.2	0.2	-	0.2	-	
082039 Rutherglen Research	66.2	51	-	-	-	-	19.0	-	-	-	-	-	-	-	0.2	-	0.2	12.2	0.2	-	12.6	0.6	12.6	0.2	7.0	1.0	-	0.2	-	0.2	-	-	
083085 Mount Hotham	180.6	0.2	-	0.6	4.0	15.8	17.8	2.6	11.6	48.6	28.2	1.0	-	0.2	0.2	-	0.2	13.6	11.2	2.2	15.6	6.0	-	-	-	-	-	-	1.0	-	-	-	
084016 Gabo Island Lighthouse	235.4	88	-	2.2	16.4	4.0	59.8	93.2	7.6	-	-	-	-	1.4	-	-	-	-	-	-	35.2	5.4	-	-	-	-	6.8	3.4	-	-	-	-	
084145 Orbst	172.8	-	-	-	0.8	5.2	43.8	10.8	-	1.8	0.6	-	2.6	0.2	-	-	-	-	0.2	1.0	0.8	2.2	37.4	63.2	0.2	-	2.0	-	-	-	-	-	
085072 East Sale Airport	73.0	42	-	-	0.2	-	9.6	19.4	-	-	0.6	0.2	0.2	2.6	-	0.2	-	-	1.4	0.4	-	18.4	9.0	-	-	10.2	0.6	-	-	-	-	-	
085096 Wilsons Promontory Lighthouse	239.0	114	-	-	-	14.6	24.2	57.0	-	15.6	10.2	3.4	23.4	0.4	-	-	-	-	7.6	5.6	0.2	0.8	13.8	10.2	6.2	29.6	4.6	4.8	-	6.6	-	0.2	
087031 Laverton RAAF	47.2	37	-	0.2	-	6.0	2.2	1.4	-	0.8	2.2	0.2	2.4	-	-	-	-	-	6.6	8.2	0.2	3.4	0.4	-	0.2	12.0	-	0.2	0.2	0.2	0.2	-	
087184 Breakwater (Geelong Racecourse)	46.2	-	0.2	-	4.8	0.6	0.6	0.2	0.6	4.6	-	1.6	2.0	-	-	-	0.2	-	7.2	8.6	-	4.4	0.2	-	0.4	7.2	1.8	0.4	0.2	-	-	0.4	
089002 Ballarat Aerodrome	70.6	55	-	-	0.2	5.2	1.2	0.6	3.2	3.8	8.8	4.6	4.8	0.8	-	-	0.2	0.2	3.4	3.8	-	2.6	0.4	1.8	-	17.4	6.0	0.2	0.2	0.8	0.2	0.2	
090015 Cape Otway Lighthouse	116.2	95	-	-	-	2.8	3.2	0.4	12.6	2.8	9.8	6.6	18.6	0.2	-	-	-	-	1.0	4.0	-	0.6	2.4	5.4	8.6	28.8	1.8	0.4	0.6	-	5.2	0.4	
Tasmania																																	