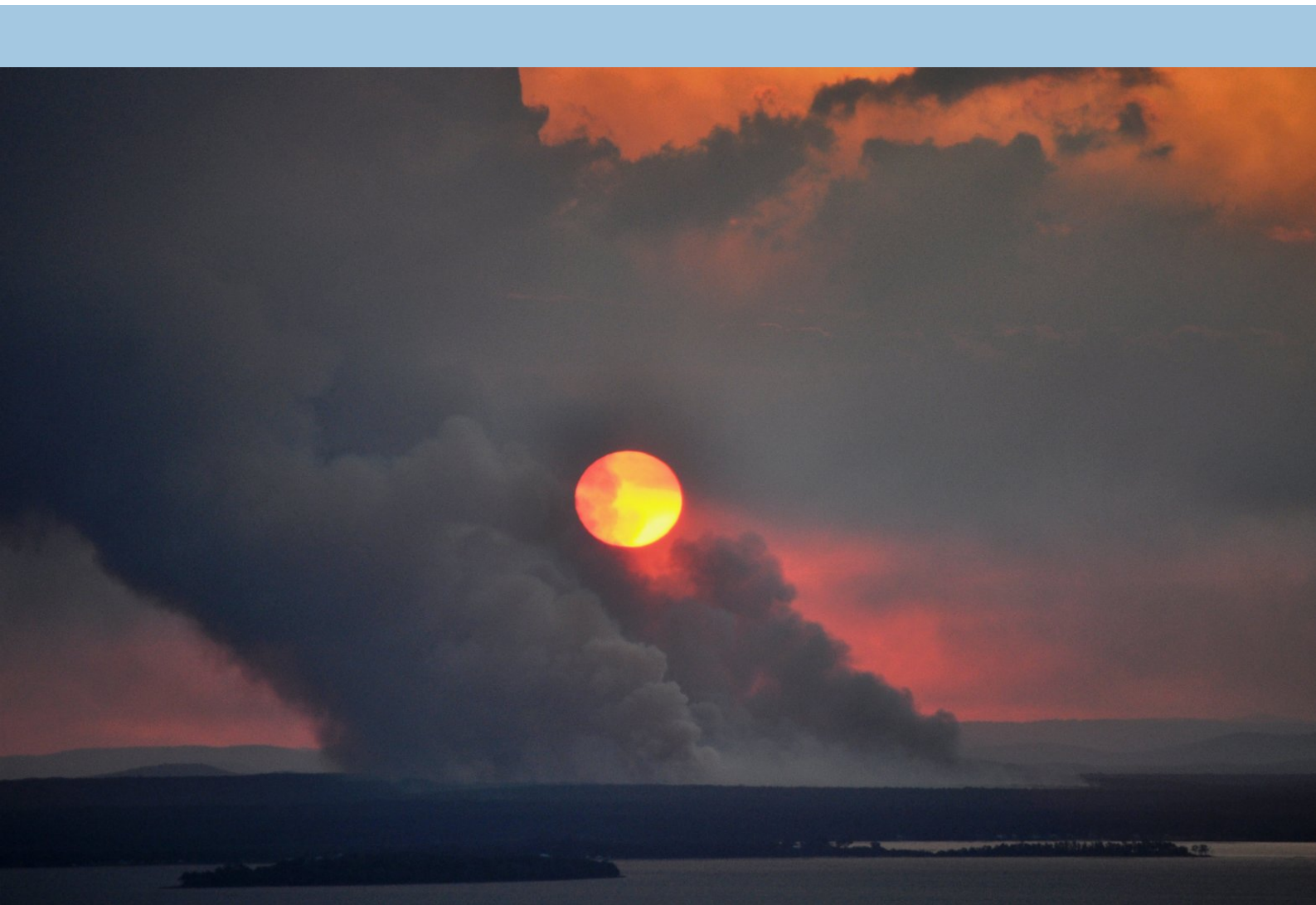




**Australian Government**  
**Bureau of Meteorology**

# Monthly Weather Review Australia November 2015



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:

Bureau of Meteorology  
GPO Box 1289  
Melbourne VIC 3001  
Australia  
media@bom.gov.au  
www.bom.gov.au

## 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](http://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/](http://www.bom.gov.au/climate/data/).

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## Cover photograph

Controlled burn in the Tilligerry State Conservation Area north of Williamstown RAAF Base, seen from Gan Gan Lookout. Photograph by Mark Wilgar, 24 August 2015. Used with permission.

# Overview

- Both maximum and minimum temperatures above to very much above average across Australia
- National November mean temperature equal second-warmest on record
- Rainfall near average for Australia as a whole
- Surface troughs producing cloud and embedded showers dominated the month, despite a period of high pressure following mid-month
- Heavy rainfall at the beginning of the month, affecting areas of South Australia, Victoria and New South Wales
- Bushfires in Western Australia near Esperance during 15th to 18th, and north of Adelaide in South Australia on the 25th
- Damaging winds in South Australia, Victoria and Tasmania ahead of cold fronts crossing the southeast on the 25th and 30th
- Several thunderstorms producing large and damaging hail in Queensland during the month

November was again a very warm month for Australia, concluding Australia's second-warmest

spring on record. For the month, both maximum and minimum temperatures were very much above average over much of Australia. Nationally, maximum temperatures were the fifth-warmest on record for November with an anomaly +1.98 °C, and minimum temperatures were the warmest on record with an anomaly +1.75 °C. For mean temperatures, November ranked as the equal second-warmest on record for Australia with an anomaly +1.86 °C. November was characterised as much by a general lack of cool conditions, rather than being marked by periods of extreme warmth.

November rainfall was near average for Australia nationally. Rainfall was above average for large areas of Western Australia, central and eastern South Australia, and New South Wales. Rainfall was below average for southwest Western Australia, southern Victoria, Tasmania, the Top End, and other pockets of northern Australia.

## Areal averages in November 2015

|                    | Rainfall anomaly | Mean maximum temperature anomaly | Mean minimum temperature anomaly | Mean temperature anomaly       |
|--------------------|------------------|----------------------------------|----------------------------------|--------------------------------|
| Australia          | +10%             | +1.98 °C<br>5th-highest          | +1.75 °C<br>highest              | +1.87 °C<br>equal 2nd-highest  |
| Western Australia  | +53%             | +1.77 °C<br>4th-highest          | +1.79 °C<br>equal highest        | +1.78 °C<br>2nd-highest        |
| Northern Territory | -18%             | +1.99 °C<br>4th-highest          | +1.28 °C<br>8th-highest          | +1.64 °C<br>4th-highest        |
| South Australia    | +23%             | +2.14 °C                         | +1.92 °C<br>equal 5th-highest    | +2.03 °C<br>7th-highest        |
| Queensland         | -8%              | +2.06 °C<br>3rd-highest          | +1.88 °C<br>2nd-highest          | +1.97 °C<br>2nd-highest        |
| New South Wales    | +43%             | +2.32 °C                         | +2.12 °C<br>9th-highest          | +2.22 °C<br>equal 10th-highest |
| Victoria           | -14%             | +2.08 °C                         | +1.22 °C                         | +1.65 °C                       |
| Tasmania           | -29%             | +1.04 °C                         | +0.67 °C                         | +0.86 °C                       |

## Extremes in November 2015

|                    | Hottest day                                                                  | Coldest night                                                            | Wettest day                                                  | Warmest overall                                               | Coollest overall                                                              | Wettest overall                             | Strongest wind gust                                                                            |
|--------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------|
| Australia          | 46.8 °C<br>at Roebourne Aero (WA) on the 15th                                | -5.3 °C<br>at Mount Hotham (Vic.) on the 27th                            | 148.0 mm<br>at Marodian Homestead (Qld) on the 15th          | 34.0 °C<br>at Fitzroy Crossing Aero (WA) and Telfer Aero (WA) | 6.6 °C<br>at Kunanyi (Mount Wellington Pinnacle) (Tas.) and Mount Read (Tas.) | 421.6 mm<br>at Yarras (Mount Seaview) (NSW) | 156 km/h<br>at Moranbah Airport (Qld) on the 16th                                              |
| Western Australia  | 46.8 °C<br>at Roebourne Aero on the 15th                                     | 2.9 °C<br>at Eyre on the 5th                                             | 123.4 mm<br>at Spring Valley on the 7th                      | 34.0 °C<br>at Fitzroy Crossing Aero and Telfer Aero           | 17.2 °C<br>at North Walpole                                                   | 206.6 mm<br>at Drysdale River Station       | 109 km/h<br>at Meekatharra Airport on the 26th                                                 |
| Northern Territory | 44.5 °C<br>at Victoria River Downs on the 29th                               | 12.3 °C<br>at Alice Springs Airport on the 16th and Arltunga on the 18th | 84.2 mm<br>at Pinelands on the 27th                          | 33.7 °C<br>at Ngukurr Airport                                 | 28.0 °C<br>at Alice Springs Airport                                           | 270.2 mm<br>at Mango Farm                   | 120 km/h<br>at Rabbit Flat on the 3rd                                                          |
| South Australia    | 45.8 °C<br>at Ceduna AMO on the 18th                                         | 1.2 °C<br>at Cummins Aero on the 27th                                    | 88.4 mm<br>at Jamestown on the 5th                           | 28.6 °C<br>at Oodnadatta Airport                              | 15.8 °C<br>at Mount Lofty                                                     | 109.6 mm<br>at Jamestown                    | 93 km/h<br>at Mount Crawford AWS on the 30th                                                   |
| Queensland         | 45.0 °C<br>at Urandangi Aerodrome on the 26th and Winton Airport on the 28th | 9.5 °C<br>at Jimna Forestry on the 18th                                  | 148.0 mm<br>at Marodian Homestead on the 15th                | 32.6 °C<br>at Century Mine                                    | 20.2 °C<br>at Applethorpe                                                     | 232.5 mm<br>at Plane Creek Sugar Mill       | 156 km/h at Moranbah Airport on the 16th                                                       |
| New South Wales    | 44.5 °C<br>at Menindee Post Office on the 19th and 26th                      | -3.8 °C<br>at Thredbo AWS on the 27th                                    | 111.0 mm<br>at Telegraph Point (Farrawells Road) on the 15th | 27.3 °C<br>at Mungindi Post Office and Tibooburra Airport     | 8.7 °C<br>at Thredbo AWS                                                      | 421.6 mm<br>at Yarras (Mount Seaview)       | 120 km/h<br>at Fowlers Gap AWS on the 4th and Thredbo AWS on the 25th                          |
| Victoria           | 42.5 °C<br>at Mildura Airport on the 19th                                    | -5.3 °C<br>at Mount Hotham on the 27th                                   | 82.0 mm<br>at Murrayville on the 5th                         | 22.2 °C<br>at Mildura Airport                                 | 9.0 °C<br>at Mount Baw Baw and Mount Hotham                                   | 142.0 mm<br>at Koetong                      | 120 km/h<br>at Nhill Aerodrome on the 30th                                                     |
| Tasmania           | 33.6 °C<br>at Campania (Kincora) on the 9th                                  | -4.5 °C<br>at Kunanyi (Mount Wellington Pinnacle) on the 3rd             | 101.0 mm<br>at Douglas River on the 13th                     | 16.4 °C<br>at Friendly Beaches                                | 6.6 °C<br>at Kunanyi (Mount Wellington Pinnacle) and Mount Read               | 258.2 mm at Mount Read                      | 126 km/h<br>at Kunanyi (Mount Wellington Pinnacle) on the 25th and Scotts Peak Dam on the 25th |

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, *Coollest overall* is the lowest mean monthly temperature and *Wettest overall* is the highest total monthly precipitation.

## Strong winds in southeast Australia

A cold front crossed southeastern Australia on the evening of the 25th, bringing strong and gusty winds. Power outages and trees across roads were reported in several areas of southeast Tasmania, along with some damage to roofs around Hobart. Strong winds also downed trees and caused minor building and car damage as well as power outages in Melbourne; among the worst-hit areas was Carlton North where two large trees destroyed three cars and fell on powerlines, narrowly missing homes, while a fallen tree near Lake Eildon injured six teenagers. Gusts exceeded 90 km/h across southern Tasmania and Melbourne, reaching 107 km/h at Fawkner Beacon in Port Phillip, 119 km/h at Mount Hotham, 126 km/h at both Scotts Peak Dam and Kunanyi/Mount Wellington.

## Thunderstorms throughout the month

Areas of very heavy rain and thunderstorms occurred across many areas of Australia during October, with notable storms including:

- 1st: Severe thunderstorms across the southeast caused 2-4 cm hail in western Victoria, resulting in extensive crop losses, while a reported tornado destroyed three houses and removed roofs from several others in Strathmerton. At the same time, thunderstorms with strong winds caused minor damage in Oberon, Wollongong and Broken Hill in New South Wales, with gusts of up to 120 km/h at White Cliffs.
- 3rd: Thunderstorms caused heavy rain and localised flash flooding at Port Pirie and Port Lincoln, with 45 mm recorded in 45 minutes at Port Pirie Airport.
- 4th: Thunderstorms caused strong winds and heavy rain in western New South Wales and South Australia. In the region between Burra and Worlds End in South Australia, rainfall totals of 150-190 mm and large amounts of 1-2 cm hail caused flash flooding on farm properties, extensive and severe loss of crops and road washaways. Large amounts of small hail was also reported elsewhere in the Mid North district, while Morgan recorded 96 mm of rain within 1.5 to 2 hours, flooding a caravan park and causing water damage to homes and a golf course. Strong winds were also reported, with gusts of up to 120 km/h at Fowler's Gap and minor damage in Broken Hill, while a tornado was reported near Monarto.
- 5th: Thunderstorms in the Goldfields district of Western Australia, with the metal roof torn from a historic railway building in Kalgoorlie.

Severe thunderstorms in Melbourne also caused heavy rain and flash flooding, with reports of a funnel cloud in the northwestern suburbs, while a cattle worker was struck by lightning in Normanton in northwest Queensland.

- 8th: A man was critically injured by a lightning strike in Byron Bay.
- 12th: Thunderstorms in northeastern Victoria produced heavy rain, with hail of 2-3 cm reported near Marysville, Wangaratta, Beechworth and Kinglake.
- 13th: Severe thunderstorms caused heavy rain and hail in Sydney and the New South Wales central coast, with hail of up to 4 cm reported in Umina and some localised flash flooding.
- 14th: Thunderstorms in southeast Queensland caused damaging winds and up to 2 cm hail in St George.
- 15th: Thunderstorms in southeast Queensland produced hail of up to 4 cm in diameter in numerous locations including Hervey Bay, Gin Gin and Bundaberg.
- 16th: Severe thunderstorms developed over the Central Highlands and Coalfields regions of Queensland, and the northern Darling Downs, including Blackwater, Miles, Dysart and Taroom. Moranbah recorded a maximum wind gust of 156 km/h, and small aircraft were flipped over at the aerodrome. Hail up to 4 cm in diameter was reported from Blackwater.
- 23rd: Thunderstorms on the Mid North Coast of New South Wales caused hail of 3-4 cm in diameter at Yamba, Rappville, Alstonville and Tabulam.
- 24th: Severe thunderstorms in the Darling Downs over the 22nd to 24th, with hail up to 6 cm in diameter reported at Stanthorpe, and Linville and Grantham on the 24th
- 27th: Hail 2 cm in diameter was reported from locations between Kingaroy and Nanango.
- 28th: Hail of 3-6 cm was reported from a storm in Oakey.
- 29th: Thunderstorms produced large hail in southeast Queensland and northeast New South Wales, with hail of 4-5 cm reported in Bellingen, Lismore, Tatham, Warwick, Tara, Maryville and several suburbs of Brisbane. The large hail caused the roof of a maternity ward to collapse in Lismore Base Hospital.
- 30th: Thunderstorms produced strong winds in Melbourne, reaching 117 km/h at St Kilda, causing fallen trees and 350 calls for help to the State Emergency Service. A tree also sparked a grass fire by falling on a power line in Doncaster East.

Thunderstorms also produced hail of up to 4 cm in diameter at Blackbutt and Kingaroy in southeast Queensland.

### Bushfires near Esperance

Lightning ignited fires in the Shire of Esperance, Western Australia, on the 15th. These fires continued to burn and became uncontained on the 17th as fire weather conditions reaching catastrophic level with very hot, dry and very windy conditions with a significant wind change. During the evening of 17 November, 4 people died in a fire near the localities of Grass Patch and Salmon Gums to the northwest of Esperance.

Bushfires also burnt 50 hectares of bushland in Devon North in eastern Victoria over the 17th to 18th.

### Large bushfires in South Australia

Hot and very dry conditions with strong north to northwest winds ahead of a strong and gusty west to southwesterly change affected much of South Australia on the 25th, leading to dangerous fire weather. Fire danger indices corresponding to the catastrophic fire danger category occurred in the Mid North and Murraylands and very briefly in parts of the Eastern Eyre Peninsula, Riverland and North West Pastoral districts.

Several fires occurred but the most serious was the Pinery fire in the Mid North district to the north of

Adelaide. This fire ignited about midday, and was a fast running grass fire. The fire initially spread southeastwards as a long narrow fire, and when the wind turned, the long eastern flank became a broad front and the fire spread rapidly eastwards. About 82 000 hectares was burnt by the end of the day.

Two people died, and several people suffered serious burns. Known losses include 87 homes either destroyed or significantly damaged, nearly 400 other structures, mainly farm sheds and outbuildings, and 100 vehicles burnt. There were large crop and stock losses.

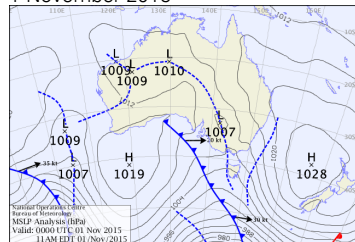
### Gusty winds in Victoria and Tasmania

A cold front that passed across Victoria and Tasmania on the 25th resulted in widespread strong and gusty winds, with gusts exceeding 100 km/h at several sites. Strong winds uprooted trees: a large tree fell on the camp site near Lake Eildon, just missing a group of college students. Minor damage to buildings, blocked road, damaged cars and power outages were also reported. Among the worst-hit areas in Victoria was Carlton North where two large trees destroyed three cars and fell on powerlines, narrowly missing homes. The winds were followed by a marked drop in temperature, with some snow on Tasmania's higher peaks. Very gusty winds continued in some areas through to the 27th.

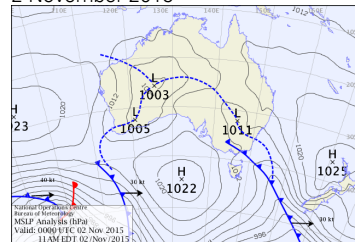


# Synoptic analyses and summary

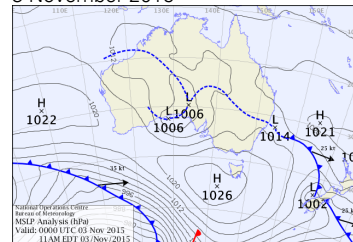
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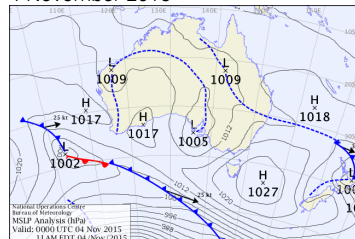
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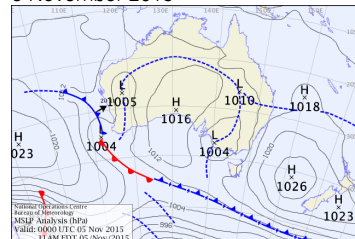
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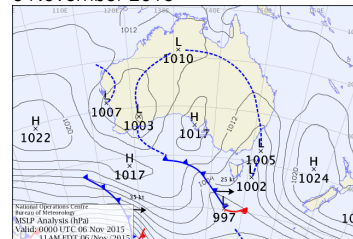
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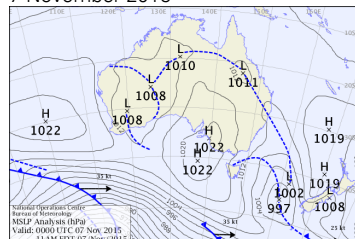
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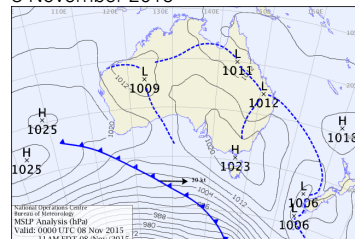
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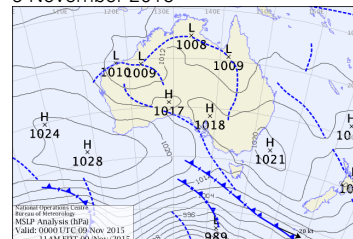
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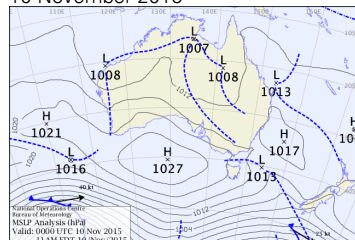
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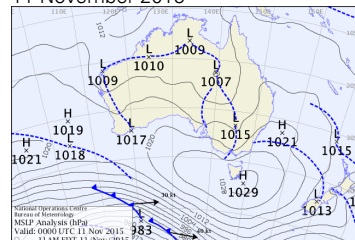
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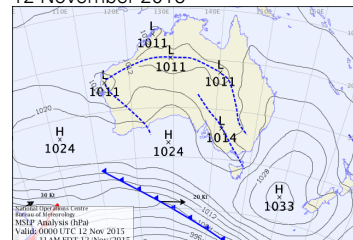
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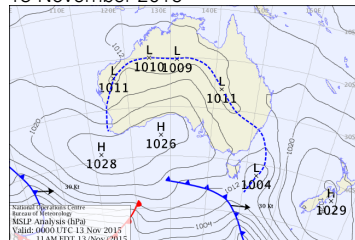
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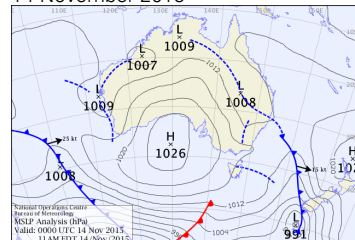
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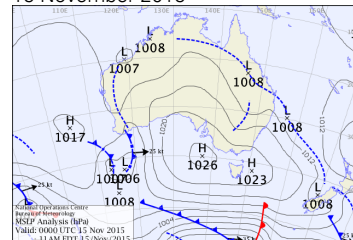
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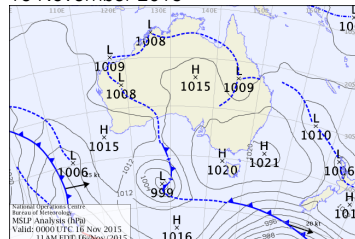
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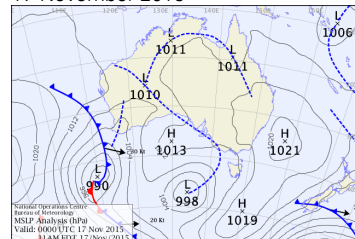
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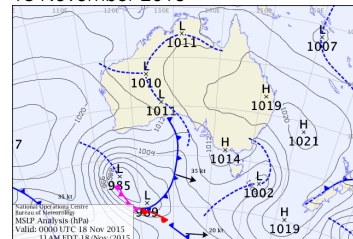
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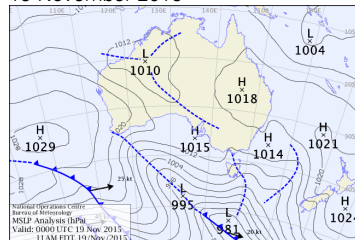
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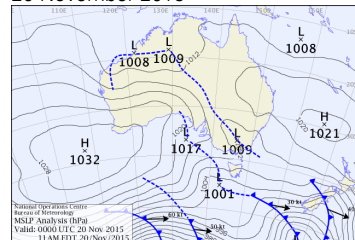
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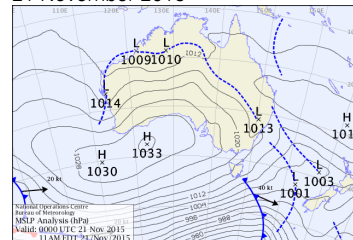
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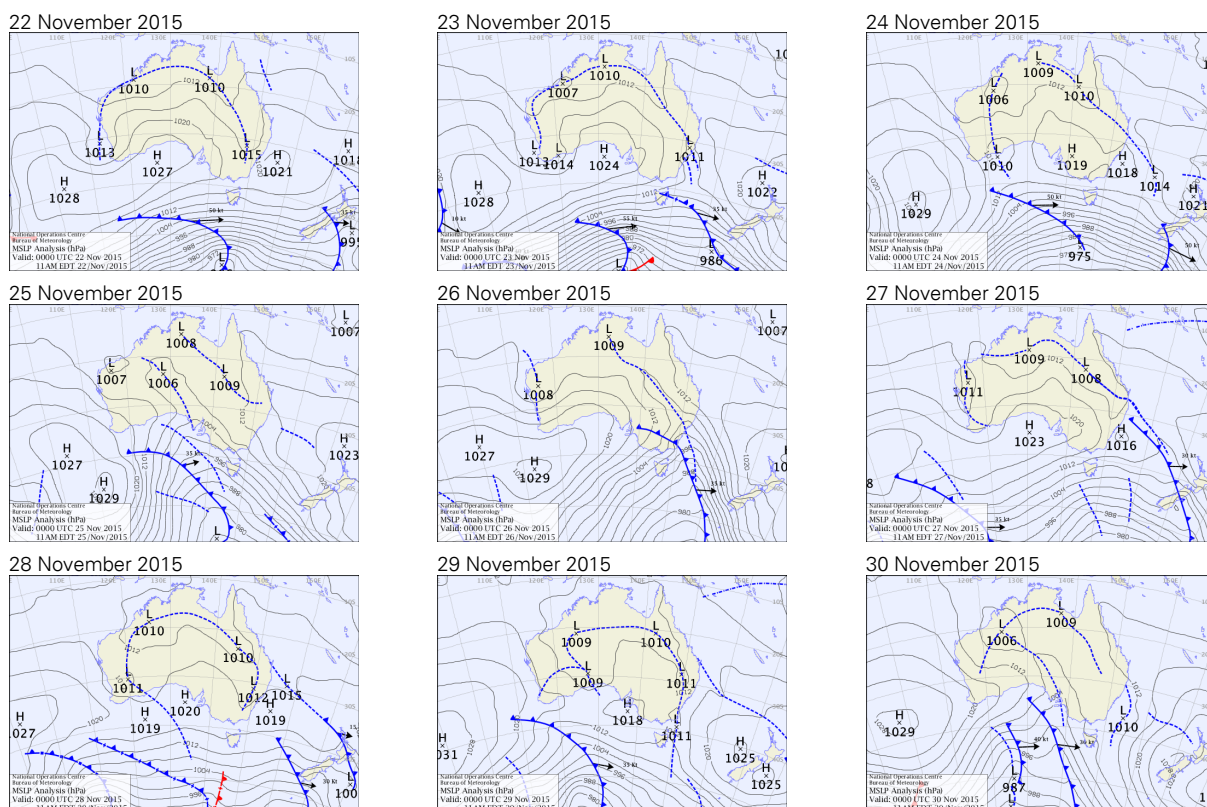


20 November 2015



21 November 2015





## Synoptic summary

November began with a broad area of low pressure over the eastern mainland on the 1st, which was followed by a series of complex surface troughs and embedded low pressure systems over mainland Australia. These generated widespread thunderstorm activity during the first week of the month, with particularly heavy rainfall in inland New South Wales on the 5th.

As a high pressure system pushed into southeastern Australia from the 7th, the areas of lower pressure and thunderstorm activity shifted further into northern and western Australia, with locally very heavy falls near Giles on the 9th. The troughs re-extended into southeast Australia from the 12th, with renewed thunderstorm activity and rain in the southeast of the country and eastern Tasmania associated with a low pressure system off the Gippsland coast on the 13th.

The following week saw further thunderstorms associated with surface troughs in northern and western Australia. A cold front and preceding surface trough also crossed the country between the 18th

and 20th, bringing relatively little rainfall but strong northwesterly winds and warm temperatures to southern Australia.

A strong high pressure system crossed into the Great Australian Bight and stalled between the 21st and 23rd, bringing generally dry, settled conditions to much of the country. As this weakened and moved offshore, another surface trough brought renewed warm conditions and hot northwesterlies to southern Australia, while a surface trough generated further thunderstorms in parts of northern Western Australia and the northern Northern Territory. A strong cold front also produced heavy rain in western Tasmania between the 25th and 27th, with strong southerly winds bringing cooler temperatures to southeast Australia in its wake.

The month ended with another surface trough extending across the northern mainland into eastern New South Wales, generating further thunderstorms in the northern States and the east coast and dry, warm conditions in the south.



# Temperatures

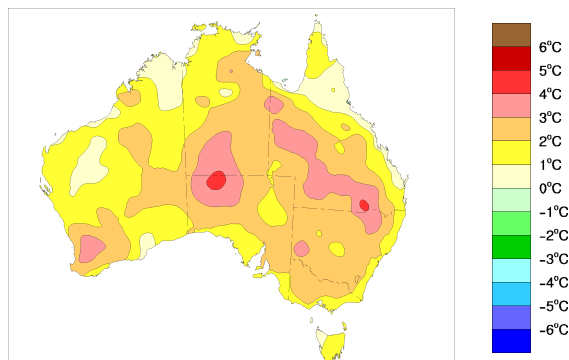
November was the equal second-warmest on record for Australia, with the national average temperature 1.87 °C above the historical average. The national average minimum temperature was the highest on record for November, at 1.75 °C above the historical average, while the mean maximum temperature was the fifth-warmest on record (+1.98 °C). Mean temperatures were warm throughout the month, with Australia recording above average mean temperatures for the 65 consecutive days between 27 September and 30 November, well in excess of the previous record spell of 50 days in early 1983.

All states except Victoria and Tasmania recorded mean temperatures in the ten warmest years on record, including the second-warmest November on record in Western Australia (+1.78 °C) and Queensland (+1.97 °C). Mean temperatures were in the warmest 10% of years across the majority of the country, including almost all of Queensland, Tasmania and the Northern Territory, as well as in western South Australia, coastal and far west New South Wales, southwestern Victoria and southern and northwest Western Australia. Only small areas recorded their warmest November on record, predominantly in the northern Northern Territory, with no part of the country recording below-average temperatures.

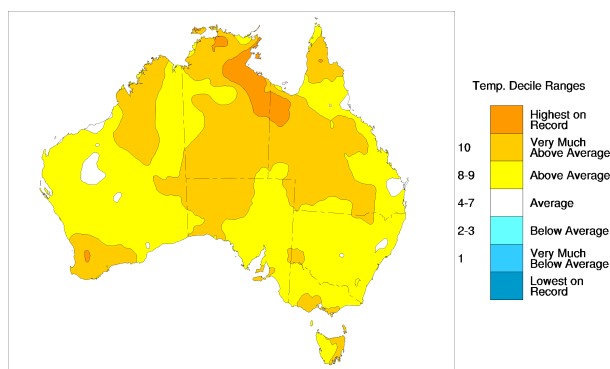
## Maximum temperatures

Maximum temperatures were above average across almost the entirety of Australia during November 2015, with the nation as a whole recording its fifth-warmest November on record. Temperatures were particularly warm in northern and central Australia, with the third-warmest November on record in Queensland (+2.06 °C) and the fourth-warmest November days in both Western Australia (+1.77 °C) and the Northern Territory (+1.99 °C), but all States recorded daytime temperatures more than 1 °C above average.

## Anomalies of mean daily maximum temperature in November 2015



## Decile rank of mean daily maximum temperature in November 2015



Maximum temperatures were in the warmest 10% of historical observations in most of the Northern Territory, inland Queensland, western South Australia and the western half of the Kimberley and adjacent parts of inland Western Australia. Daytime temperatures were also in the warmest 10% of years in southwestern Western Australia, northeastern Tasmania, and parts of southern Victoria. Maximum temperatures were the warmest on record for November for an area of the Northern Territory around the Gulf Coast, extending just into Queensland's Gulf Country, with some stations in the Northern Territory experiencing their warmest November on record.

Daytime temperatures were cooler than average across much of the country during the first week of the month, as a surface trough generated rain and storms across the country, although northerly winds brought locally warm conditions to the southeast coast of Western Australia over the 5th and 6th. This system moved eastward over subsequent days, leading to well above average temperatures in southern South Australia and Victoria over the 8th and 9th.

A high pressure system resulted in very warm daytime temperatures in southwestern Western

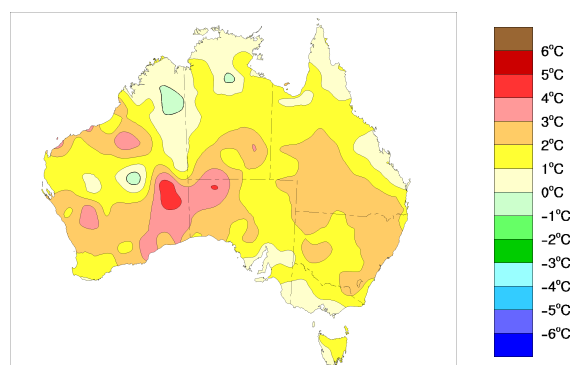
Australia between the 10th and 14th, with cooler days in the southeast. The high pressure system and warmest temperatures moved eastwards over subsequent days, with a number of sites in the Gascoyne and Goldfields recording their highest November temperature on record on the 15th or 16th. Associated with the hot and windy conditions, several large bushfires occurred near Esperance in Western Australia from the 15th. The warmth moved over southeastern Australia over the 18th to 20th, with large areas more than 12 °C above average.

Another high pressure system lead to the redevelopment of warm temperatures in southwestern Western Australia between the 21st and 23rd, before again moving eastward through southern Australia and into Queensland over subsequent days. This was followed by cool days in southeast Australia on the 26th, particularly in southwest Tasmania where Mount Read's temperature did not get above freezing, the latest in the year the site has reported such a cold day. The month ended with a final pulse of warmth that crossed southern Australia between the 28th and 30th.

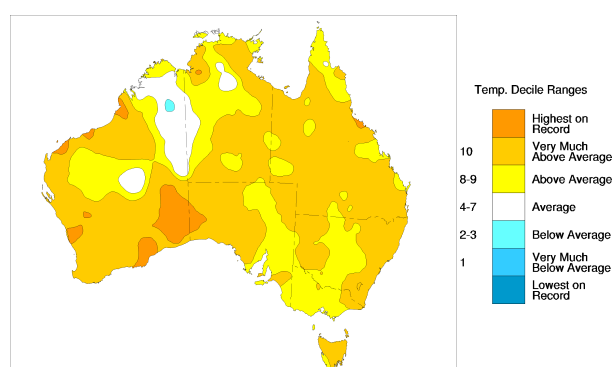
## Minimum temperatures

The nationally averaged minimum temperature was the highest on record for Australia during November 2015, the second consecutive month with record temperatures. Almost 80% of the country recorded minimum temperatures in the warmest 10% of years, including most of Queensland and Tasmania, eastern and western New South Wales, the eastern Northern Territory, western and central South Australia, and most of southern and western Western Australia. Average to below average temperatures were restricted to parts of the Kimberley region of Western Australia and the adjacent area along the Western Australia-Northern Territory border.

## Anomalies of mean daily minimum temperature in November 2015



## Decile rank of mean daily minimum temperature in November 2015



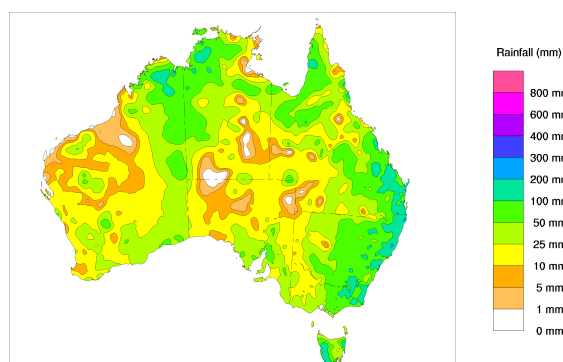
November was most notable for widespread warm conditions rather than individual records, with record-breaking minimum temperatures restricted to parts of southeastern Western Australia and the Pilbara coast. Western Australia was the only State to also record mean minimum temperatures that were highest on record (+1.79 °C, equalling the record from 2006), but all States except Victoria and Tasmania recorded minimum temperatures in the ten warmest years on record.

The month began with cloudy conditions and warm nights across much of the country, with periods of warmer and cooler nights progressing across the country. Nights were particularly warm across the country associated with a complex surface trough between the 10th and 12th, with very warm nights on the south coast of Western Australia on the 13th and 14th. Warm nights were also associated with the heatwaves that crossed the country between the 17th and 20th and between the 24th and 26th, with cooler nights in southeast Australia on the 27th and 28th associated with southerly winds from a high pressure system in the Great Australian Bight.

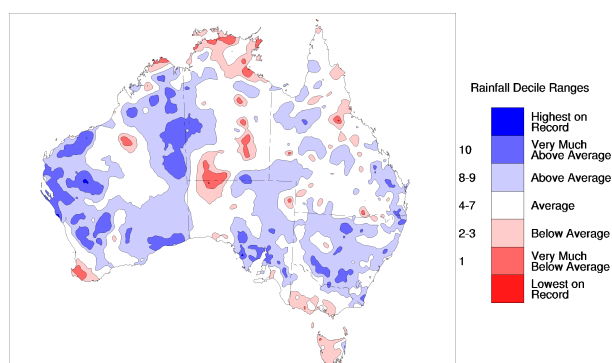
# Rainfall

Rainfall was near average for Australia as a whole during November, coming in at 6% above the long-term (1961–1990) average. Rainfall was below average for southern Victoria and the lower southeast of South Australia, Tasmania, southwest Western Australia, an area of western Central Australia, the Top End, and other pockets of northern Australia, including scattered areas throughout Queensland. In northern Australia below-average rainfall was largely a result of less seasonal thunderstorm activity than typical for November.

## Total rainfall in November 2015



## Decile rank of total rainfall in November 2015



Rainfall was above average for much of Western Australia, with the exception of small parts of the Kimberleys and Southwest Land Division and an area of the Interior. Area-averaged monthly rainfall was 45% above average for Western Australia, although anomalies away from the eastern border of the State were generally small. Rainfall was also above average in an area of the western Northern Territory; the eastern half of South Australia and adjacent areas of central Australia, excluding the southeast; most of New South Wales and some areas of southeast Queensland.

At the start of the month, a broad low pressure trough drew warm, moist air from the tropics into southeastern Australia, producing showers and thunderstorms over large areas of the eastern

mainland States. At the same time, a low pressure centre located on an approaching surface trough brought showers to southern Western Australia. As the low deepened and tracked towards South Australia, a broad cloudband with embedded thunderstorms developed north of the trough system, extending showers from the Kimberley in the northwest, through central Australia, and into large parts of South Australia. Daily rainfall records for November were set at a large number of stations in the agricultural districts of South Australia for the 24 hours to 9 am on either the 4th or 5th, with daily totals ranging from 30 to 80 mm over large areas. Widespread moderate rainfall occurred across the mainland southeast in the 24 hours to 9 am on the 5th as the trough and low centres tracked eastward, with some further rainfall records in new South Wales and Victoria. Showers extended along nearly all of the east coast on the following day. Areas of rain continued over northeastern New South Wales and eastern Queensland during the following days.

A cloud mass associated with a weakening cold front brought rainfall to southern areas of Western Australia during the 5th and 6th, with a number of daily rainfall records set for stations in the north of the South West Land Division for the 24 hours to 9 am on either the 6th and 7th. An area of convective cloud with embedded thunderstorms developed over the northwest, with areas of rain recorded over the Kimberley and western Top End during the 48 hours to 9 am on the 8th, with isolated flooding in the East Kimberley trapping motorists in Purnululu National Park. Rain and storms extended to areas of the eastern interior of Western Australia and adjacent Northern Territory over the following day.

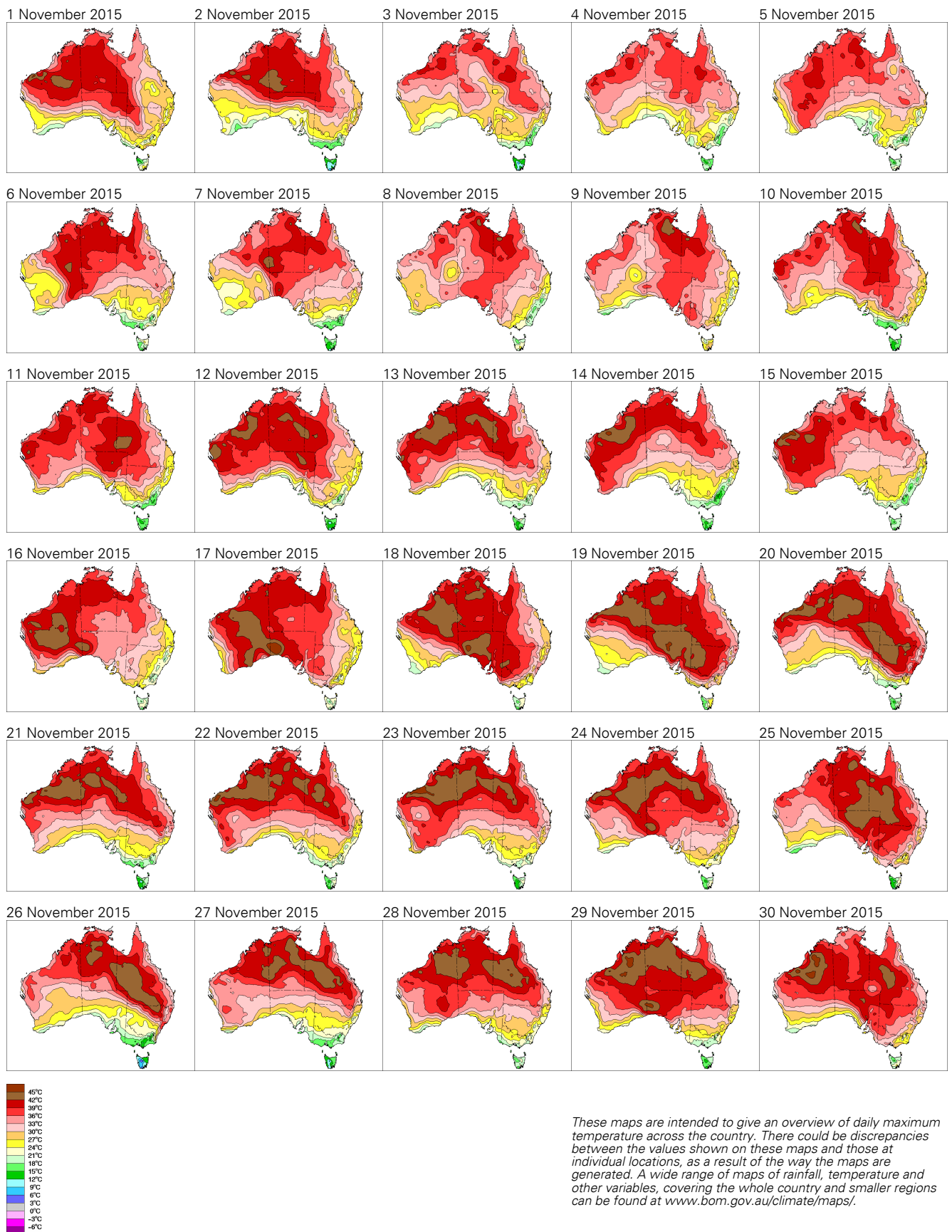
Areas of cloud and associated showers developed from the 11th along a broad surface trough extending from the northwest through the Top End and inland areas of the eastern States. Rainfall continued along much of the mainland east coast and areas of northwestern Australia, until around mid-month, with widespread rainfall over southeastern Queensland during the 24 hours to 9 am on the 17th.

Conditions were generally dry across the country between the 18th and 25th, although onshore flow resulted in moderate falls in parts of the North Tropical Queensland coast and a cold front brought rainfall to western Tasmania between the 25th and 27th. The month ended with further showers and thunderstorms along a trough extending across northern Australia from the 25th, with moderate falls in the western interior of Western Australia and western Top End in the 24 hours to 9 am on the 27th.

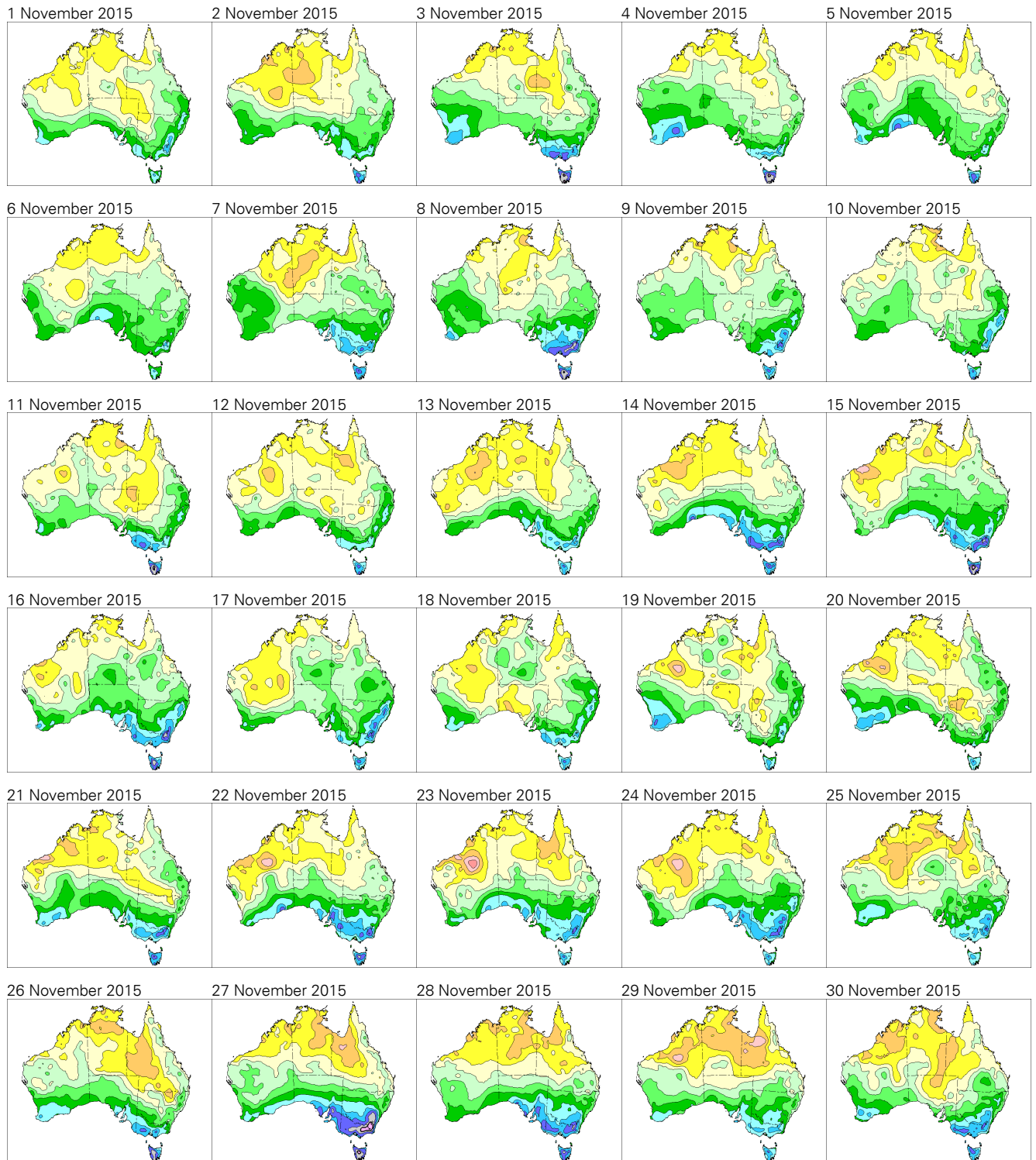
The month ended with thunderstorms and heavy rain in southeast Queensland and northeast New South Wales.



## Daily maximum temperature maps

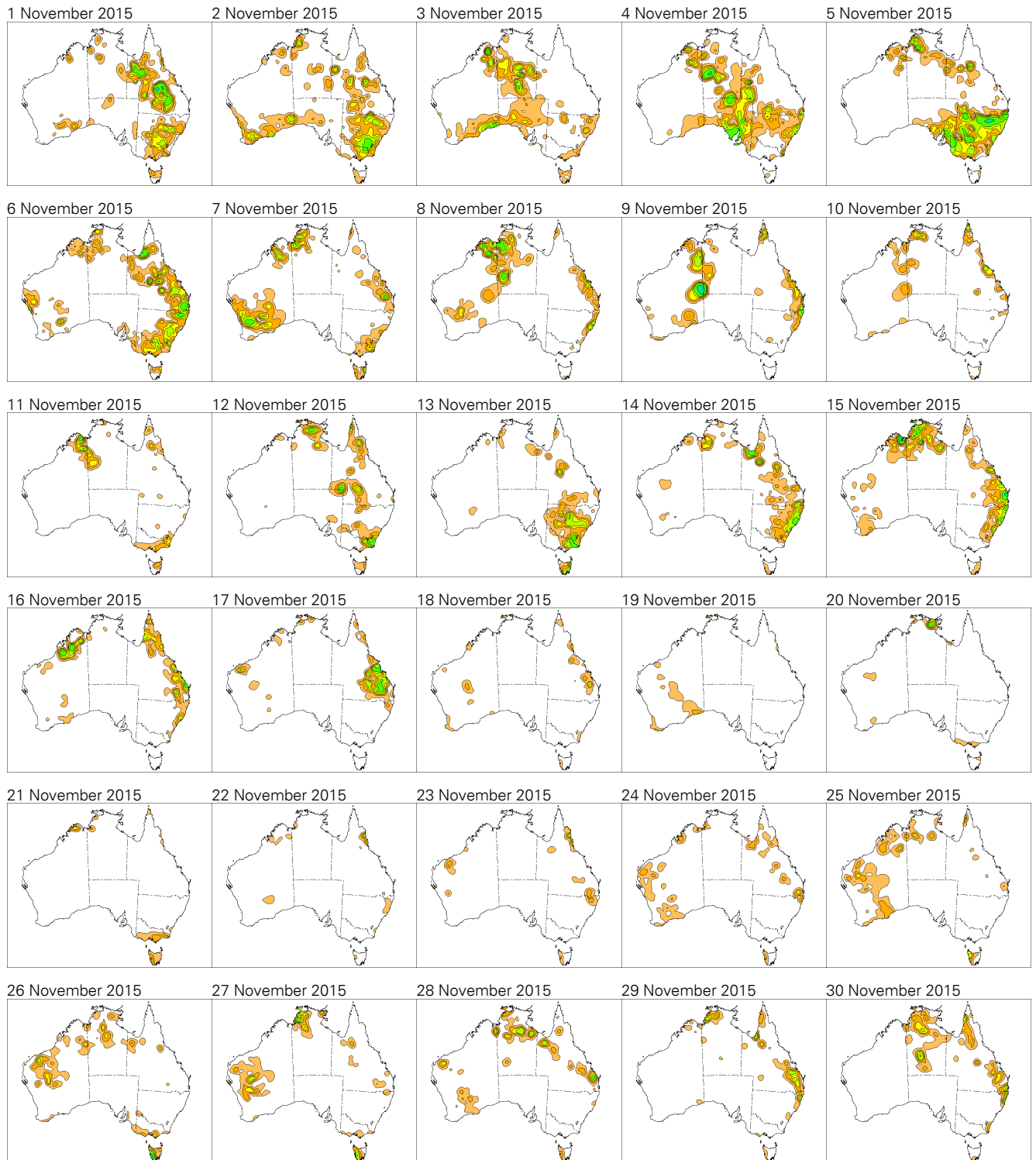


## Daily minimum temperature maps

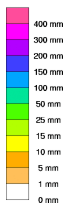


*These maps are intended to give an overview of daily minimum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables,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

# Records

## Record highest November daily maximum temperature

|                            | New record     | Old record           | Years of record |
|----------------------------|----------------|----------------------|-----------------|
| Western Australia          |                |                      |                 |
| 006022 Gascoyne Junction   | 45.0 on 15th   | 44.4 on 24th in 1993 | 43              |
| 007045 Meekatharra Airport | 42.6 on 16th   | 42.3 on 27th in 1979 | 66              |
| Northern Territory         |                |                      |                 |
| 014508 Gove Airport        | 38.0 on 10th   | 37.8 on 18th in 1971 | 37              |
| Queensland                 |                |                      |                 |
| 029127 Mount Isa Aero      | 43.9 on 28th   | 43.5 on 30th in 2006 | 49              |
| New South Wales            |                |                      |                 |
| 200288 Norfolk Island Aero | 26.5 on 28th = | 26.5 on 29th in 1953 | 77              |

= indicates the new record equals the old one.

## Record highest November mean maximum temperature

|                                    | New record | Old record   | Years of record |
|------------------------------------|------------|--------------|-----------------|
| Western Australia                  |            |              |                 |
| 001007 Troughton Island            | 33.7 =     | 33.7 in 2009 | 37              |
| 009053 Pearce RAAF                 | 30.7       | 30.6 in 2013 | 55              |
| 009573 Manjimup                    | 25.5       | 25.4 in 2010 | 77              |
| 010515 Beverley                    | 31.9       | 31.5 in 2013 | 46              |
| 010524 Brookton                    | 30.4       | 30.0 in 2010 | 49              |
| 010626 Pingelly                    | 29.7       | 29.6 in 2007 | 44              |
| Northern Territory                 |            |              |                 |
| 014015 Darwin Airport              | 34.7       | 34.4 in 1976 | 75              |
| 014142 Pirlangimpi Airport         | 36.1       | 35.8 in 2014 | 34              |
| 014198 Jabiru Airport              | 38.9       | 38.8 in 2009 | 39              |
| 014508 Gove Airport                | 34.3       | 33.8 in 2011 | 37              |
| 014626 Daly Waters Airstrip        | 40.7       | 40.4 in 2006 | 46              |
| 014703 Centre Island               | 36.3       | 35.5 in 1990 | 42              |
| 014704 McArthur River Mine Airport | 40.7       | 40.3 in 1990 | 37              |
| Queensland                         |            |              |                 |
| 029127 Mount Isa Aero              | 39.8       | 39.6 in 2014 | 49              |
| 037010 Camooweal Township          | 40.6 =     | 40.6 in 1990 | 107             |
| Tasmania                           |            |              |                 |
| 092003 Bicheno (Council Depot)     | 20.5       | 19.8 in 1966 | 41              |

= indicates the new record equals the old one.

| Highest November mean maximum temperature for at least 30 years                                                     |                           |                           |                       |
|---------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|-----------------------|
|                                                                                                                     |                           | Observed<br>this<br>month | Most recent<br>higher |
| Western Australia                                                                                                   |                           |                           |                       |
| 010111                                                                                                              | Northam                   | 31.8                      | 32.8 in 1957 *        |
| 010614                                                                                                              | Narrogin                  | 28.8                      | 29.2 in 1957 *        |
| 200790                                                                                                              | Christmas Island Aero     | 28.7                      | 29.5 in 1982 *        |
| New South Wales                                                                                                     |                           |                           |                       |
| 066062                                                                                                              | Sydney (Observatory Hill) | 26.2                      | 26.4 in 1897          |
| Tasmania                                                                                                            |                           |                           |                       |
| 092027                                                                                                              | Orford (Aubin Court)      | 20.7                      | 22.3 in 1982          |
| 094008                                                                                                              | Hobart Airport            | 21.2                      | 22.3 in 1982          |
| * note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. |                           |                           |                       |

| Record lowest November daily minimum temperature |             |                     |                       |
|--------------------------------------------------|-------------|---------------------|-----------------------|
|                                                  | New record  | Old record          | Years<br>of<br>record |
| Victoria                                         |             |                     |                       |
| 085072 East Sale Airport                         | 1.1 on 27th | 1.3 on 28th in 1986 | 71                    |
| Tasmania                                         |             |                     |                       |
| 094008 Hobart Airport                            | 1.7 on 4th  | 2.3 on 11th in 2002 | 58                    |

| Record highest November daily minimum temperature |                |                      |                       |
|---------------------------------------------------|----------------|----------------------|-----------------------|
|                                                   | New record     | Old record           | Years<br>of<br>record |
| Western Australia                                 |                |                      |                       |
| 005017 Onslow Airport                             | 28.3 on 23rd   | 28.1 on 25th in 2006 | 49                    |
| 008025 Carnamah                                   | 26.2 on 13th   | 25.6 on 6th in 1959  | 74                    |
| 008225 Eneabba                                    | 26.0 on 13th   | 25.5 on 11th in 2003 | 41                    |
| 009114 Lancelin                                   | 24.8 on 22nd   | 21.6 on 11th in 1982 | 50                    |
| 013030 Telfer Aero                                | 33.2 on 23rd   | 32.1 on 24th in 2006 | 41                    |
| 200790 Christmas Island Aero                      | 25.8 on 29th   | 25.1 on 3rd in 1981  | 43                    |
| Northern Territory                                |                |                      |                       |
| 014198 Jabiru Airport                             | 28.5 on 26th = | 28.5 on 25th in 1987 | 39                    |
| South Australia                                   |                |                      |                       |
| 018106 Nullarbor                                  | 26.6 on 18th   | 23.0 on 14th in 2003 | 30                    |
| Queensland                                        |                |                      |                       |
| 033045 Mackay Aero                                | 25.8 on 29th = | 25.8 on 22nd in 2013 | 30                    |
| New South Wales                                   |                |                      |                       |
| 069017 Montague Island Lighthouse                 | 21.1 on 26th   | 20.0 on 28th in 2004 | 44                    |
| = indicates the new record equals the old one.    |                |                      |                       |



| Record highest November mean minimum temperature |                            |            |              |                 |
|--------------------------------------------------|----------------------------|------------|--------------|-----------------|
|                                                  |                            | New record | Old record   | Years of record |
| Western Australia                                |                            |            |              |                 |
| 001007                                           | Troughton Island           | 28.4 =     | 28.4 in 2008 | 37              |
| 003003                                           | Broome Airport             | 27.1       | 26.7 in 2006 | 77              |
| 005008                                           | Mardie                     | 23.1       | 22.4 in 2007 | 60              |
| 005017                                           | Onslow Airport             | 22.8       | 22.6 in 2007 | 49              |
| 010092                                           | Merredin                   | 15.6       | 15.5 in 2013 | 50              |
| 011017                                           | Balladonia                 | 14.8       | 14.0 in 1914 | 92              |
| 013011                                           | Warburton Airfield         | 22.4       | 22.3 in 2006 | 40              |
| 200284                                           | Cocos Island Airport       | 25.6 =     | 25.6 in 1998 | 64              |
| 200790                                           | Christmas Island Aero      | 24.2       | 24.1 in 2012 | 43              |
| New South Wales                                  |                            |            |              |                 |
| 055136                                           | Woolbrook (Danglemah Road) | 11.3       | 10.6 in 2014 | 44              |
| = indicates the new record equals the old one.   |                            |            |              |                 |

| Highest November mean minimum temperature for at least 30 years                                                     |                          |                     |                    |  |
|---------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|--------------------|--|
|                                                                                                                     |                          | Observed this month | Most recent higher |  |
| Western Australia                                                                                                   |                          |                     |                    |  |
| 009037                                                                                                              | Badgingarra Research Stn | 14.3                | 17.2 in 1966 *     |  |
| 009789                                                                                                              | Esperance                | 14.5                | 14.6 in 1982       |  |
| * note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. |                          |                     |                    |  |

| Record highest November mean temperature       |                         |            |              |                 |
|------------------------------------------------|-------------------------|------------|--------------|-----------------|
|                                                |                         | New record | Old record   | Years of record |
| Western Australia                              |                         |            |              |                 |
| 010092                                         | Merredin                | 23.5 =     | 23.5 in 2013 | 50              |
| 010614                                         | Narrogin                | 20.9       | 20.7 in 2006 | 96              |
| 200284                                         | Cocos Island Airport    | 27.7 =     | 27.7 in 1998 | 64              |
| Northern Territory                             |                         |            |              |                 |
| 014142                                         | Pirlangimpi Airport     | 30.1 =     | 30.1 in 2002 | 34              |
| 014198                                         | Jabiru Airport          | 32.4       | 32.0 in 2009 | 39              |
| 014703                                         | Centre Island           | 31.8 =     | 31.8 in 1987 | 42              |
| Tasmania                                       |                         |            |              |                 |
| 092003                                         | Bicheno (Council Depot) | 15.8       | 15.7 in 2009 | 41              |
| = indicates the new record equals the old one. |                         |            |              |                 |

| Highest November mean temperature for at least 30 years                                                             |                          |                     |                    |  |
|---------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|--------------------|--|
|                                                                                                                     |                          | Observed this month | Most recent higher |  |
| Western Australia                                                                                                   |                          |                     |                    |  |
| 005008                                                                                                              | Mardie                   | 30.5                | 31.1 in 1957       |  |
| 009037                                                                                                              | Badgingarra Research Stn | 22.5                | 22.6 in 1966 *     |  |
| 010111                                                                                                              | Northam                  | 23.3                | 23.4 in 1925 *     |  |
| 200790                                                                                                              | Christmas Island Aero    | 26.5                | 26.6 in 1982 *     |  |
| * note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. |                          |                     |                    |  |

| Record highest November daily rainfall         |              |                      |                 |
|------------------------------------------------|--------------|----------------------|-----------------|
|                                                | New record   | Old record           | Years of record |
| Western Australia                              |              |                      |                 |
| 008075 Lynton                                  | 66.2 on 6th  | 30.4 on 16th in 2003 | 87              |
| 008078 Mallee Vale                             | 29.0 on 7th  | 26.8 on 15th in 2001 | 74              |
| 008085 Miling                                  | 36.0 on 7th  | 28.4 on 17th in 1983 | 86              |
| 008087 Mindalla                                | 47.0 on 7th  | 40.6 on 19th in 1926 | 98              |
| 008141 Willigulli North                        | 47.6 on 6th  | 22.6 on 10th in 1939 | 82              |
| 010000 Amery Acres                             | 28.0 on 7th  | 25.9 on 27th in 1965 | 56              |
| 010041 Doongin Peak                            | 50.6 on 7th  | 45.8 on 17th in 1983 | 110             |
| 010076 Konnongorring                           | 62.4 on 7th  | 55.0 on 15th in 1983 | 90              |
| 010104 Nanyanine                               | 62.0 on 7th  | 53.0 on 17th in 1983 | 77              |
| 010141 Xantippe                                | 51.0 on 6th  | 37.6 on 14th in 1993 | 73              |
| 010257 Spring Valley                           | 123.4 on 7th | 46.4 on 14th in 1974 | 56              |
| 012007 Boodarockin                             | 76.0 on 7th  | 38.4 on 2nd in 1939  | 81              |
| = indicates the new record equals the old one. |              |                      |                 |

| Record highest November daily rainfall |               |                      |                 |
|----------------------------------------|---------------|----------------------|-----------------|
|                                        | New record    | Old record           | Years of record |
| South Australia                        |               |                      |                 |
| 017119 Beltana Roadhouse               | 41.2 on 4th   | 29.0 on 22nd in 2009 | 30              |
| 018001 Arno Bay                        | 45.0 on 4th   | 41.6 on 26th in 2002 | 109             |
| 018024 Darke Peak                      | 67.0 on 4th   | 34.4 on 28th in 1977 | 102             |
| 018056 Mount Wedge                     | 77.0 on 4th   | 50.3 on 19th in 1906 | 121             |
| 018113 Wharminda                       | 36.6 on 4th = | 36.6 on 18th in 1964 | 68              |
| 018116 Cleve Aerodrome                 | 54.2 on 4th   | 44.7 on 18th in 1964 | 51              |
| 018120 Whyalla Aero                    | 57.6 on 4th   | 41.4 on 11th in 1998 | 33              |
| 018165 Lock (Terrah Winds)             | 47.6 on 4th   | 46.0 on 26th in 2002 | 47              |
| 018166 Wirrulla (Pimben)               | 31.0 on 4th   | 26.0 on 3rd in 1976  | 47              |
| 018174 Rudall (Swaffpro)               | 46.2 on 4th   | 37.5 on 26th in 2002 | 47              |
| 018184 Cleve (Ningana)                 | 52.8 on 4th   | 47.0 on 28th in 1977 | 43              |
| 021004 Booborowie                      | 46.0 on 5th   | 33.0 on 4th in 1988  | 89              |
| 021020 Georgetown                      | 47.0 on 5th   | 44.5 on 15th in 1889 | 132             |
| 021027 Jamestown                       | 88.4 on 5th   | 64.3 on 6th in 1934  | 131             |
| 021029 Koolunga                        | 49.8 on 5th   | 49.3 on 30th in 1937 | 131             |
| 021036 Mundoora                        | 41.0 on 4th   | 35.0 on 22nd in 2009 | 126             |
| 021045 Redhill                         | 54.6 on 4th   | 46.5 on 21st in 1949 | 131             |
| 021047 Spalding                        | 40.6 on 5th = | 40.6 on 22nd in 2009 | 114             |
| 021060 Jamestown Pirs                  | 81.2 on 5th   | 62.2 on 28th in 1977 | 65              |
| 021077 Burra Community School          | 46.2 on 5th   | 46.0 on 22nd in 2009 | 55              |
| 021102 Nurom (Riverside Farm)          | 36.8 on 4th   | 35.6 on 19th in 1978 | 47              |
| 021104 Balaklava (Wanappe)             | 38.6 on 5th   | 36.0 on 22nd in 2009 | 47              |
| 021108 Port Broughton (Wandearah)      | 41.0 on 4th   | 30.0 on 19th in 1978 | 46              |
| 022022 Port Clinton (Yararoo)          | 51.0 on 4th   | 48.0 on 17th in 1961 | 127             |
| 022836 Pelican Lagoon                  | 37.8 on 4th   | 27.4 on 26th in 2002 | 32              |
| 023319 Tarlee                          | 69.6 on 5th   | 52.0 on 25th in 1983 | 130             |
| 023370 Stockport (Clifton)             | 70.4 on 5th   | 41.4 on 17th in 1961 | 57              |
| 024024 Loxton Research Centre          | 35.8 on 5th   | 32.8 on 22nd in 2009 | 32              |
| 025004 Galga                           | 48.0 on 5th   | 47.6 on 12th in 1998 | 83              |
| 025013 Parilla                         | 49.6 on 5th   | 37.0 on 12th in 1998 | 102             |
| 025039 Lowaldie                        | 39.0 on 5th   | 37.0 on 15th in 1979 | 47              |
| 025051 Mantung                         | 68.6 on 5th   | 63.2 on 12th in 1998 | 38              |
| 025054 Lameroo (Desford)               | 59.6 on 5th   | 37.0 on 15th in 1979 | 40              |
| 025506 Geranium                        | 40.2 on 5th   | 38.1 on 18th in 1964 | 106             |
| 025512 Parrakie                        | 38.8 on 5th   | 36.8 on 18th in 1964 | 108             |
| 025542 Lameroo (Tralyn)                | 44.0 on 5th   | 38.0 on 12th in 1998 | 46              |
| 026088 Willalooka (Yardookra)          | 36.0 on 5th   | 31.0 on 1st in 1997  | 36              |
| 026111 Pelican Point                   | 55.2 on 5th   | 49.0 on 26th in 2002 | 32              |
| Queensland                             |               |                      |                 |
| 036007 Barcardine Post Office          | 105.0 on 1st  | 99.2 on 25th in 2001 | 129             |
| 040469 Marodian Homestead              | 148.0 on 15th | 71.2 on 9th in 1999  | 51              |
| 041085 Queen Mary Falls                | 84.4 on 4th   | 81.5 on 26th in 1967 | 57              |
| New South Wales                        |               |                      |                 |
| 049055 Oxley (Walmer Downs)            | 56.0 on 5th   | 54.9 on 28th in 1973 | 93              |
| 052023 Pilliga Post Office             | 80.0 on 5th   | 70.4 on 4th in 1895  | 130             |
| 052067 Rowena Post Office              | 78.6 on 5th   | 63.6 on 16th in 2000 | 48              |

= indicates the new record equals the old one.

| Record highest November total rainfall         |                      |            |               |                 |
|------------------------------------------------|----------------------|------------|---------------|-----------------|
|                                                |                      | New record | Old record    | Years of record |
| Western Australia                              |                      |            |               |                 |
| 007132                                         | Mount Clere          | 49.2       | 41.5 in 2008  | 74              |
| 008075                                         | Lynton               | 80.3       | 50.2 in 2003  | 87              |
| 008141                                         | Willigulli North     | 56.8       | 40.0 in 1991  | 82              |
| 008251                                         | Kalbarri             | 24.8       | 23.1 in 1992  | 46              |
| 008286                                         | Wundi                | 37.6       | 35.6 in 1996  | 38              |
| 010257                                         | Spring Valley        | 123.4      | 94.0 in 1983  | 56              |
| 012007                                         | Boodarockin          | 83.6       | 75.6 in 1939  | 81              |
| Northern Territory                             |                      |            |               |                 |
| 014938                                         | Mango Farm           | 270.2      | 263.7 in 2001 | 36              |
| South Australia                                |                      |            |               |                 |
| 018058                                         | Whyalla (Mullaquana) | 68.8       | 68.2 in 1998  | 98              |
| 018120                                         | Whyalla Aero         | 89.4       | 65.4 in 2009  | 34              |
| 021029                                         | Koolunga             | 90.6       | 88.7 in 1903  | 132             |
| 023370                                         | Stockport (Clifton)  | 80.4       | 79.5 in 1971  | 54              |
| Queensland                                     |                      |            |               |                 |
| 039000                                         | Abercorn             | 213.1      | 206.8 in 1997 | 65              |
| 041276                                         | Glenrive             | 191.2 =    | 191.2 in 1974 | 56              |
| = indicates the new record equals the old one. |                      |            |               |                 |

| Highest November total rainfall for at least 30 years                                                                      |                          |  | Observed<br>this<br>month | Most recent<br>higher |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------|--|---------------------------|-----------------------|
| Western Australia                                                                                                          |                          |  |                           |                       |
| 003027                                                                                                                     | Fossil Downs             |  | 84.0                      | 197.2 in 1973 *       |
| 004016                                                                                                                     | Indee                    |  | 35.0                      | 39.1 in 1944 *        |
| 005001                                                                                                                     | Coolawanyah              |  | 43.2                      | 72.0 in 1982 *        |
| 005069                                                                                                                     | Pannawonica              |  | 25.4                      | 49.6 in 1983          |
| 007011                                                                                                                     | Burnerbinmah             |  | 29.6                      | 31.0 in 1948 *        |
| 007045                                                                                                                     | Meekatharra Airport      |  | 30.8                      | 102.8 in 1983         |
| 008104                                                                                                                     | Ogilvie                  |  | 32.4                      | 36.2 in 1965          |
| 010012                                                                                                                     | Boodjerakine             |  | 39.0                      | 87.8 in 1983          |
| 010041                                                                                                                     | Doongin Peak             |  | 55.8                      | 79.4 in 1983          |
| 010052                                                                                                                     | Aleppo                   |  | 53.2                      | 109.4 in 1983 *       |
| 010058                                                                                                                     | Goomalling               |  | 46.2                      | 93.0 in 1983          |
| 010141                                                                                                                     | Xantippe                 |  | 53.8                      | 56.6 in 1931 *        |
| 010143                                                                                                                     | Ygnattering              |  | 41.1                      | 83.4 in 1983          |
| South Australia                                                                                                            |                          |  |                           |                       |
| 018014                                                                                                                     | Cleve                    |  | 69.4                      | 71.0 in 1977          |
| 018024                                                                                                                     | Darke Peak               |  | 78.6                      | 92.1 in 1949          |
| 018056                                                                                                                     | Mount Wedge              |  | 95.8                      | 115.3 in 1906 *       |
| 018116                                                                                                                     | Cleve Aerodrome          |  | 61.4                      | 63.1 in 1964 *        |
| 018184                                                                                                                     | Cleve (Ningana)          |  | 59.4                      | 60.4 in 1979          |
| 019013                                                                                                                     | Carrieton (Eurelia)      |  | 60.4                      | 91.0 in 1977 *        |
| 021007                                                                                                                     | Brinkworth               |  | 67.3                      | 76.5 in 1961 *        |
| 021020                                                                                                                     | Georgetown               |  | 78.8                      | 92.7 in 1979 *        |
| 021027                                                                                                                     | Jamestown                |  | 109.6                     | 127.2 in 1977 *       |
| 021042                                                                                                                     | Port Broughton           |  | 53.4                      | 56.5 in 1971 *        |
| 021045                                                                                                                     | Redhill                  |  | 91.8                      | 93.9 in 1920          |
| 021057                                                                                                                     | Yacka                    |  | 64.6                      | 68.8 in 1961          |
| 021060                                                                                                                     | Jamestown Pirsia         |  | 102.0                     | 119.2 in 1977         |
| 023319                                                                                                                     | Tarlee                   |  | 79.8                      | 81.9 in 1971          |
| 024501                                                                                                                     | Australia Plains         |  | 52.8                      | 58.2 in 1979 *        |
| Queensland                                                                                                                 |                          |  |                           |                       |
| 029121                                                                                                                     | West Leichhardt Station  |  | 104.0                     | 223.5 in 1973 *       |
| 035026                                                                                                                     | Duaringa Post Office     |  | 166.2                     | 178.2 in 1970 *       |
| 039175                                                                                                                     | Lovandee                 |  | 207.7                     | 314.2 in 1976 *       |
| 040469                                                                                                                     | Marodian Homestead       |  | 207.6                     | 310.4 in 1947 *       |
| New South Wales                                                                                                            |                          |  |                           |                       |
| 049049                                                                                                                     | Hatfield (Benilkie)      |  | 91.0                      | 110.2 in 1912 *       |
| 057085                                                                                                                     | Old Bonalbo (Alcheringa) |  | 202.5                     | 257.0 in 1959 *       |
| 058015                                                                                                                     | Coraki (Union St)        |  | 308.8                     | 437.2 in 1917 *       |
| 074050                                                                                                                     | Grong Grong (Junee St)   |  | 83.2                      | 195.9 in 1971 *       |
| Victoria                                                                                                                   |                          |  |                           |                       |
| 076038                                                                                                                     | Murrayville              |  | 89.8                      | 98.0 in 1978          |
| 082092                                                                                                                     | Shelley                  |  | 173.1                     | 198.2 in 1971 *       |
| * <i>note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.</i> |                          |  |                           |                       |



| Record lowest November total rainfall |               |            |              |                 |
|---------------------------------------|---------------|------------|--------------|-----------------|
|                                       |               | New record | Old record   | Years of record |
| Western Australia                     |               |            |              |                 |
| 009871                                | Windy Harbour | 7.3        | 11.4 in 1994 | 30              |

| Lowest November total rainfall for at least 30 years                                                               |                                     |                           |                   |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------|-------------------|
|                                                                                                                    |                                     | Observed<br>this<br>month | Most recent lower |
| Western Australia                                                                                                  |                                     |                           |                   |
| 009009                                                                                                             | Lower Chittering                    | 3.0                       | 2.1 in 1972 *     |
| 009500                                                                                                             | Albany                              | 16.5                      | 6.1 in 1972       |
| 009551                                                                                                             | Grassmere                           | 19.4                      | 7.8 in 1972       |
| 009573                                                                                                             | Manjimup                            | 5.8                       | 2.5 in 1957       |
| 009592                                                                                                             | Pemberton                           | 10.4                      | 10.2 in 1972      |
| 009599                                                                                                             | Barrett Meadows                     | 21.6                      | 10.2 in 1972      |
| 010582                                                                                                             | Kojonup                             | 3.4                       | 0.5 in 1957       |
| Queensland                                                                                                         |                                     |                           |                   |
| 032023                                                                                                             | Halifax Macrossan St                | 4.4                       | 0.2 in 1979       |
| Victoria                                                                                                           |                                     |                           |                   |
| 085163                                                                                                             | Yanakie (Shallow Inlet)             | 30.6                      | 17.8 in 1982 *    |
| 086074                                                                                                             | Mitcham                             | 19.8                      | 11.2 in 1937      |
| 086117                                                                                                             | Toorourrong Reservoir (Toorourrong) | 24.0                      | 18.0 in 1982      |
| 086131                                                                                                             | Yan Yean                            | 14.8                      | 5.6 in 1967 *     |
| 089002                                                                                                             | Ballarat Aerodrome                  | 14.8                      | 9.2 in 1918       |
| 089034                                                                                                             | Willaura (Main Street)              | 15.0                      | 12.0 in 1982 *    |
| 090015                                                                                                             | Cape Otway Lighthouse               | 25.8                      | 15.4 in 1982      |
| 090076                                                                                                             | Tanybryn                            | 52.4                      | 20.8 in 1982 *    |
| 090085                                                                                                             | Kolora (Wooriwryite)                | 19.0                      | 16.8 in 1982 *    |
| 090170                                                                                                             | Kolora (Wirwin)                     | 17.2                      | 13.9 in 1982 *    |
| * note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported. |                                     |                           |                   |

# Selected observations

## Daily and mean maximum temperatures for November 2015

|                             | 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             | 37.8      | 35.4 | 36.3 | 36.6 | 35.8 | 36.7 | 36.3 | 36.4 | 37.0 | 37.9 | 37.0 | 39.4 | 39.5 | 36.4 | 37.4 | 37.0 | 39.9 | 38.8 | 38.9 | 38.1 | 36.2 | 36.9 | 38.3 | 38.0 | 38.7 | 37.7 | 40.6 | 40.7 | 39.2 | 39.3 | 36.9 |      |      |
| 002012 Halls Creek Airport  | 39.0      | +0.7 | 39.9 | 39.6 | 36.8 | 35.9 | 37.4 | 38.9 | 34.4 | 34.9 | 31.1 | 35.5 | 37.9 | 39.4 | 40.8 | 39.1 | 38.2 | 39.3 | 41.3 | 40.2 | 40.8 | 41.2 | 41.2 | 41.6 | 41.6 | 41.0 | 38.7 | 38.2 | 40.5 | 42.4 | 42.7 | 40.3 |      |
| 002056 Kununurra Aero       | 40.0      |      | 40.8 | 41.4 | 36.9 | 38.7 | 38.8 | 40.0 | 36.1 | 37.9 | 34.2 | 37.5 | 40.2 | 40.8 | 41.5 | 38.5 | 34.1 | 41.4 | 41.5 | 42.5 | 41.4 | 40.4 | 41.6 | 42.4 | 42.5 | 41.8 | 41.1 | 41.6 | 43.0 | 42.4 | 41.0 | 38.7 |      |
| 003003 Broome Airport       | 33.7      | +0.1 | 33.2 | 33.3 | 33.1 | 32.8 | 32.5 | 32.5 | 31.7 | 31.5 | 31.4 | 31.6 | 32.7 | 32.9 | 34.7 | 33.7 | 33.6 | 33.1 | 32.9 | 33.6 | 33.6 | 35.0 | 33.9 | 34.5 | 34.7 | 37.0 | 35.8 | 35.8 | 34.4 | 34.8 | 35.1 | 35.1 |      |
| 003032 Derby Aero           | 39.4      |      | 36.2 | 35.8 | 37.0 | 37.3 | 38.3 | 39.2 | 37.9 | 37.0 | 36.3 | 36.7 | 38.8 | 42.1 | 44.3 | 39.0 | 36.2 | 39.1 | 40.6 | 42.2 | 42.2 | 38.4 | 39.4 | 42.1 | 40.0 | 39.7 | 36.3 | 37.7 | 41.1 | 44.3 | 43.3 | 43.5 |      |
| 004032 Port Hedland Airport | 38.0      | +1.8 | 36.5 | 40.5 | 37.8 | 37.2 | 32.0 | 31.9 | 33.0 | 33.0 | 36.4 | 33.2 | 32.8 | 34.8 | 39.9 | 42.8 | 45.8 | 34.2 | 36.3 | 37.9 | 43.0 | 44.5 |      | 41.2 | 45.6 | 42.0 | 38.2 | 35.0 | 36.6 | 38.7 | 40.2 | 40.8 |      |
| 004083 Karratha Aero        | 36.7      |      | 43.3 | 37.3 | 34.6 | 35.1 | 30.1 | 30.0 | 31.8 | 34.4 | 36.2 | 35.1 | 33.9 | 34.2 | 35.5 | 37.2 | 43.5 | 33.3 | 37.3 | 36.9 | 39.2 | 42.0 | 41.0 | 42.1 | 42.2 | 41.8 | 36.4 | 33.3 | 33.9 | 35.7 | 37.3 | 35.1 |      |
| 004106 Marble Bar           |           |      |      |      |      |      |      |      |      |      | 39.4 | 40.6 | 42.3 | 43.1 | 45.3 | 46.1 | 45.6 | 42.3 | 44.3 | 44.4 | 44.1 | 43.6 | 44.3 | 45.0 | 46.0 | 44.0 | 38.1 | 39.5 | 40.6 | 43.1 | 44.8 | 45.4 |      |
| 005007 Learmonth Airport    | 36.3      |      | 37.5 | 31.8 | 34.8 | 36.9 | 30.6 | 28.2 | 29.6 | 33.3 | 37.0 | 41.0 | 36.4 | 37.4 | 36.2 | 35.9 | 41.0 | 38.8 | 36.5 | 35.8 | 36.9 | 40.3 | 42.4 | 43.9 | 38.6 | 38.0 | 36.6 | 33.0 | 34.7 | 36.6 | 35.7 | 34.3 |      |
| 006011 Carnarvon Airport    | 29.7      | +2.3 | 27.4 | 26.7 | 27.4 | 27.0 | 25.6 | 23.7 | 26.1 | 27.4 | 32.4 | 37.1 | 38.6 | 42.0 | 34.1 | 29.0 | 27.9 | 29.6 | 28.0 | 27.1 | 27.2 | 33.5 | 30.9 | 32.0 | 30.5 | 28.8 | 27.5 | 28.5 | 27.7 | 27.4 | 27.3 | 31.9 |      |
| 006044 Denham               | 28.5      |      | 26.8 | 25.9 | 26.9 | 26.5 | 25.2 | 23.4 | 26.1 | 25.6 | 28.6 | 31.5 | 32.5 | 35.9 | 39.9 | 31.9 | 30.0 | 29.0 | 28.2 | 24.5 | 24.1 | 30.5 | 31.0 | 31.9 | 29.0 | 26.1 | 28.1 | 28.2 | 27.5 | 27.0 | 25.5 | 28.5 |      |
| 007176 Newman Aero          | 38.0      |      | 41.5 | 35.1 | 33.8 | 36.1 | 38.2 | 35.7 | 33.1 | 32.8 | 34.4 | 36.0 | 38.0 | 39.6 | 41.0 | 41.0 | 41.2 | 41.8 | 41.3 | 41.0 | 37.8 | 37.3 | 39.8 | 41.1 | 38.6 | 38.2 | 34.3 | 35.4 | 36.2 | 38.9 | 40.9 | 40.3 |      |
| 007185 Paraburdoo Aero      | 38.8      |      | 41.3 | 33.7 | 35.6 | 39.5 | 38.5 | 30.8 | 31.7 | 33.2 | 36.1 | 38.3 | 40.0 | 42.4 | 42.1 | 42.5 | 42.5 | 43.2 | 40.5 | 41.3 | 37.1 | 41.0 | 40.6 | 42.4 | 37.9 | 40.4 | 37.5 | 36.1 | 37.4 | 39.6 | 40.6 | 39.6 |      |
| 007045 Meekatharra Airport  | 34.5      | +1.4 | 37.1 | 27.6 | 30.5 | 34.5 | 36.8 | 25.5 | 28.0 | 28.1 | 34.0 | 34.7 | 37.4 | 40.0 | 35.8 | 40.2 | 41.9 | 42.6 | 39.6 | 34.1 | 30.5 | 35.1 | 32.8 | 34.1 | 38.8 | 33.3 | 35.1 | 33.4 | 33.4 | 34.9 | 35.5 | 36.4 |      |
| 007600 Mount Magnet Aero    | 34.3      |      | 35.1 | 25.9 | 30.1 | 34.2 | 36.9 | 25.1 | 23.1 | 27.9 | 34.6 | 35.0 | 37.7 | 40.5 | 36.9 | 38.8 | 42.2 | 43.0 | 37.8 | 28.6 | 27.9 | 32.4 | 36.9 | 36.5 | 38.6 | 36.2 | 34.0 | 33.0 | 35.0 | 33.9 | 35.4 |      |      |
| 008296 Morawa Airport       | 32.8      |      | 26.4 | 24.8 | 29.9 | 34.3 | 29.0 | 25.3 | 23.6 | 29.1 | 33.3 | 35.3 | 37.9 | 41.2 | 39.1 | 40.5 | 39.7 | 39.1 | 29.5 | 26.3 | 26.5 | 31.7 | 37.5 | 39.7 | 32.3 | 32.1 | 32.2 | 35.7 | 36.3 | 31.7 | 31.0 | 32.1 |      |
| 008297 Dalwallinu           | 31.3      |      | 25.3 | 24.9 | 28.7 | 32.4 | 29.6 | 24.9 | 22.7 | 27.4 | 29.9 | 33.1 | 36.2 | 36.9 | 36.4 | 38.6 | 37.1 | 36.5 | 29.0 | 25.8 | 25.2 | 29.0 | 34.4 | 38.1 | 35.3 | 31.2 | 29.4 | 32.1 | 36.5 | 32.7 | 31.4 | 28.7 |      |
| 008315 Geraldton Airport    | 29.6      |      | 24.8 | 24.3 | 25.1 | 26.2 | 23.8 | 23.5 | 24.1 | 25.1 | 27.1 | 30.9 | 33.3 | 37.1 | 41.0 | 40.9 | 32.9 | 35.0 | 27.3 | 24.9 | 26.1 | 32.7 | 40.9 | 34.2 | 27.1 | 26.7 | 28.7 | 35.5 | 31.1 | 26.1 | 25.0 | 26.2 |      |
| 009021 Perth Airport        | 29.0      | +3.4 | 26.1 | 23.4 | 26.2 | 25.6 | 24.5 | 26.6 | 24.1 | 26.2 | 30.4 | 32.1 | 30.5 | 34.8 | 36.1 | 39.2 | 32.5 | 32.5 | 26.2 | 21.8 | 22.8 | 30.1 | 34.8 | 36.2 | 28.6 | 27.1 | 26.5 | 31.0 | 31.5 | 28.7 | 27.1 | 25.7 |      |
| 009131 Jurien Bay           | 27.0      |      | 24.5 | 23.6 | 25.0 | 24.4 | 24.2 | 24.5 |      | 24.4 | 28.4 | 27.9 | 26.5 | 32.4 | 33.4 | 33.0 | 32.9 | 27.7 | 28.6 | 25.5 | 24.2 | 23.5 |      | 39.1 | 25.6 | 25.8 | 26.9 | 28.4 | 28.1 | 26.4 | 23.8 | 24.1 |      |
| 009225 Perth Metro          | 28.4      |      | 26.3 | 23.1 | 26.0 | 25.3 | 24.1 | 24.7 | 22.9 | 25.8 | 30.9 | 32.2 | 29.4 | 33.5 | 36.0 | 39.4 | 31.4 | 32.3 | 26.0 | 22.0 | 22.6 | 22.1 | 22.3 | 29.0 | 34.9 | 35.3 | 27.0 | 25.6 | 25.9 | 30.9 | 31.4 | 27.9 | 26.4 |
| 009240 Bickley              | 26.9      |      | 22.9 | 20.2 | 23.6 | 24.7 | 22.1 | 23.3 | 20.4 | 25.2 | 28.1 | 29.0 | 29.4 | 32.0 | 33.6 | 36.6 | 30.7 | 31.0 | 24.1 | 18.2 | 19.7 | 26.9 | 31.7 | 33.5 | 27.4 | 27.4 | 26.9 | 28.1 | 30.5 | 27.4 | 26.9 | 24.7 |      |
| 009518 Cape Leeuwin         | 21.6      | +1.5 | 20.1 | 22.3 | 21.4 | 21.4 | 21.5 | 21.5 | 21.1 | 21.5 | 21.0 | 22.2 | 22.4 | 22.7 | 22.1 | 24.1 | 22.9 | 21.6 | 21.6 | 18.4 | 19.7 | 20.6 | 22.2 | 23.1 | 23.0 | 22.2 | 20.3 | 21.7 | 21.7 | 21.5 | 22.1 | 21.5 |      |
| 009617 Bridgetown           | 26.6      |      | 23.7 | 25.7 | 25.7 | 24.0 | 24.1 | 23.9 | 23.0 | 23.8 | 21.9 | 28.5 | 28.2 | 31.0 | 32.7 | 36.5 | 29.1 | 30.6 | 29.0 | 20.6 | 20.7 | 26.3 | 31.3 | 35.4 | 30.8 | 34.3 | 22.8 | 25.4 | 27.7 | 26.6 | 24.1 | 21.4 |      |
| 009746 Wittliffche          | 24.3      |      | 22.6 | 23.4 | 23.1 | 23.2 | 21.7 | 22.7 | 21.8 | 23.4 | 21.1 | 24.3 | 24.1 | 26.4 | 27.6 | 33.4 | 24.8 | 26.3 | 23.4 | 20.0 | 19.9 | 22.8 | 30.3 | 35.4 | 26.8 | 23.3 | 21.4 | 24.3 | 24.4 | 23.2 | 23.2 | 20.8 |      |
| 009789 Esperance            | 25.1      |      | 18.4 | 17.5 | 18.5 | 26.4 | 36.7 | 29.8 | 24.1 | 21.9 | 20.4 | 23.9 | 28.0 | 22.1 | 24.5 | 33.1 | 37.9 | 24.6 | 41.5 | 24.1 | 21.2 | 19.4 | 22.5 | 27.9 | 35.5 | 27.1 | 19.4 | 20.4 | 26.1 | 21.6 | 22.2 | 20.3 |      |
| 009965 Bunbury              | 26.0      |      | 22.9 | 22.9 | 21.8 | 21.4 | 22.5 | 25.8 | 23.7 | 23.6 | 26.2 |      | 26.1 | 29.2 | 33.2 | 34.5 | 26.1 | 25.8 | 23.8 | 21.3 | 20.9 | 25.1 | 32.5 | 35.0 | 24.7 | 26.3 | 25.7 | 27.1 | 30.9 | 27.7 | 24.4 | 23.4 |      |
| 009977 Mandurah             | 26.1      |      | 22.3 | 23.4 | 23.8 | 24.0 | 22.4 | 25.2 | 22.3 | 23.3 | 29.0 | 25.8 | 26.8 | 28.5 | 36.2 | 33.0 | 26.9 | 27.9 | 24.0 | 21.4 | 21.2 | 26.0 | 33.2 | 30.4 | 24.6 | 25.2 | 24.4 | 28.7 | 28.9 | 26.3 | 24.3 | 22.6 |      |
| 009999 Albany Airport       | 22.2      |      | 19.0 | 20.1 | 21.2 | 25.0 | 23.0 | 19.0 | 19.1 | 21.6 | 18.0 | 22.6 | 22.8 | 23.7 | 24.3 | 32.5 | 24.5 | 26.6 | 33.3 | 20.5 | 19.3 | 19.0 | 23.4 | 24.1 | 23.8 | 20.3 | 18.0 | 18.1 | 19.2 | 19.9 | 23.6 | 19.0 |      |
| 010007 Bencubbin            | 30.7      | +1.9 | 26.0 | 23.3 | 26.0 | 31.4 | 32.6 | 27.0 | 23.3 | 26.0 | 28.9 | 31.2 | 35.5 | 35.0 | 36.1 | 37.8 | 36.7 | 35.1 | 32.6 | 26.8 | 28.5 | 31.2 | 37.4 | 35.0 | 29.9 | 27.9 | 30.5 | 30.5 | 32.5 | 31.7 | 27.2 |      |      |
| 010092 Merredin             | 31.3      | +3.2 | 26.5 | 23.0 | 27.0 | 31.8 | 34.8 | 29.0 | 24.4 | 28.8 | 29.4 | 31.5 | 35.5 | 35.5 | 36.5 | 37.0 | 36.9 | 35.5 | 34.4 | 26.9 | 25.1 | 28.8 | 30.7 | 36.6 | 36.2 | 30.5 | 29.0 | 29.3 | 34.9 | 32.8 | 32.6 | 28.3 |      |
| 010286 Cunderdin Airfield   | 32.3      |      | 27.6 | 26.0 | 29.2 | 33.3 | 31.8 | 30.9 | 26.4 | 29.7 | 29.6 | 32.9 | 36.7 | 35.2 | 37.9 | 39.7 | 38.5 | 36.1 | 34.1 | 26.9 | 26.4 | 29.0 | 32.7 | 40.7 | 38.6 | 31.2 | 29.4 | 30.0 | 35.4 | 32.1 | 32.7 | 28.5 |      |
| 010633 Ravensthorpe         | 26.8      | +1.9 | 19.0 | 16.5 | 20.5 | 30.5 | 36.0 | 26.0 | 26.1 | 26.0 | 21.5 | 26.4 | 31.0 | 24.5 | 28.4 | 36.2 | 35.0 | 30.5 | 38.5 | 26.0 | 23.0 | 27.6 | 31.0 | 37.5 | 22.5 | 19.5 | 23.0 | 32.0 | 24.0 | 24.5 | 21.0 |      |      |
| 010911 Lake Grace           | 29.0      |      | 23.0 | 19.9 | 23.6 | 30.5 | 33.1 | 26.2 | 25.0 | 28.8 | 26.4 | 29.2 | 32.1 | 31.4 | 33.4 | 37.5 | 35.1 | 33.5 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

# Daily and mean maximum temperatures for November 2015

| 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                         | 31.5      | +2.3 | 30.2 | 32.1 | 27.7 | 29.9 | 29.0 | 26.7 | 29.1 | 29.1 | 30.3 | 33.9 | 33.8 | 34.8 | 30.4 | 26.2 | 28.4 | 28.4 | 32.5 | 37.7 | 40.4 | 41.9 | 28.8 | 30.0 | 29.2 | 31.7 | 37.9 | 28.2 | 26.6 | 29.6 | 32.8 | 36.3 |      |
| 048245 Bourke Airport AWS               | 33.8      |      | 28.6 | 35.5 | 34.3 | 29.0 | 30.7 | 29.5 | 31.6 | 30.7 | 32.0 | 34.6 | 36.6 | 32.8 | 33.9 | 31.0 | 31.1 | 31.3 | 33.4 | 37.9 | 40.8 | 42.3 | 33.0 | 33.2 | 32.7 | 33.7 | 40.1 | 37.8 | 30.7 | 32.2 | 35.0 | 38.0 |      |
| 049000 Ivanhoe Aerodrome AWS            | 31.9      |      | 37.5 | 31.3 | 28.6 | 30.5 | 28.5 | 24.7 | 28.8 | 30.5 | 33.0 | 35.9 | 35.5 | 31.3 | 29.3 | 26.1 | 28.7 | 30.8 | 35.5 | 41.0 | 42.7 | 43.1 | 27.3 | 28.8 | 28.1 | 31.8 | 38.2 | 24.2 | 25.5 | 29.4 | 31.7 | 38.2 |      |
| 050052 Condobolin Ag Research Stn       | 29.8      | +1.3 | 29.9 | 29.9 | 29.5 | 21.7 | 26.9 | 26.5 | 26.4 |      | 29.2 | 32.8 | 30.0 | 28.0 |      | 25.9 | 26.5 | 26.4 | 30.5 | 36.1 | 38.8 | 40.5 | 27.5 | 28.9 | 27.8 | 30.6 | 35.6 | 22.9 |      | 29.0 | 31.9 | 34.7 |      |
| 051033 Nyngan Airport                   | 32.2      | +2.2 | 27.8 | 32.0 | 28.5 |      | 28.3 | 28.2 | 30.5 | 28.5 | 30.0 | 33.5 | 33.9 | 31.7 | 30.8 | 28.6 | 28.6 | 29.0 | 32.1 | 38.0 | 40.5 | 41.5 | 30.0 | 31.7 | 31.0 | 33.0 | 37.2 | 33.3 |      | 33.8 | 36.2 |      |      |
| 052088 Walgett Airport AWS              | 33.3      |      | 30.9 | 33.8 | 34.1 | 25.7 | 30.7 | 30.4 | 31.4 | 31.3 | 30.9 | 33.6 | 34.1 | 27.6 | 34.1 | 31.2 | 30.7 | 29.8 | 30.9 | 36.6 | 40.7 | 41.9 | 33.2 | 33.9 | 32.2 | 33.7 | 38.8 | 41.7 | 31.6 | 32.8 | 34.5 | 37.5 |      |
| 053115 Moree Aero                       | 33.8      |      | 31.3 | 33.3 | 36.8 | 31.5 | 27.2 | 33.3 | 31.9 | 32.3 | 30.1 | 31.6 | 32.5 | 27.7 | 32.9 | 32.2 | 30.1 | 29.3 | 30.3 | 34.0 | 38.7 | 40.7 | 37.7 | 36.7 | 35.1 | 34.7 | 37.7 | 42.3 | 35.2 | 34.8 | 36.4 | 36.9 |      |
| 054038 Narrabri Airport AWS             | 32.4      |      | 31.9 | 31.4 | 32.0 | 23.2 | 29.6 | 31.1 | 30.5 | 29.6 | 28.7 | 30.1 | 31.6 | 27.0 | 32.1 | 29.5 | 28.3 | 27.5 | 29.3 | 33.5 | 37.3 | 39.9 | 36.9 | 35.0 | 34.2 | 33.5 | 36.8 | 41.9 | 34.6 | 34.5 | 35.1 | 36.2 |      |
| 055024 Gunnedah Resource Centre         | 31.9      | +3.6 | 31.0 | 29.9 | 30.7 | 23.5 | 28.2 | 30.5 | 30.4 | 27.1 | 27.5 | 30.6 | 30.4 | 27.7 | 31.3 | 28.1 | 26.8 | 26.5 | 28.4 | 33.7 | 38.0 | 39.8 | 36.7 | 35.1 | 34.1 | 33.6 | 35.7 | 41.2 | 34.2 | 34.1 | 35.2 | 36.1 |      |
| 055325 Tamworth Airport AWS             | 30.8      |      | 29.2 | 28.3 | 29.3 | 23.1 | 26.9 | 29.7 | 29.5 | 26.9 | 26.7 | 29.5 | 29.3 | 27.6 | 29.8 | 28.3 | 25.3 | 26.0 | 27.2 | 31.9 | 35.2 | 37.8 | 36.3 | 33.3 | 33.5 | 32.8 | 34.8 | 39.5 | 33.7 | 33.5 | 34.4 | 34.8 |      |
| 056242 Inverell (Raglan St)             | 28.9      |      | 26.4 | 25.8 | 30.2 | 25.7 | 21.6 | 28.7 | 28.5 | 26.6 | 26.2 | 27.5 | 27.8 | 25.2 | 28.4 | 26.3 | 26.3 | 25.0 | 26.0 | 28.6 | 33.0 | 35.5 | 34.6 | 30.0 | 31.8 | 31.0 | 31.0 |      | 35.3 | 31.4 | 32.0 | 32.0 |      |
| 057095 Tabulam (Muirre)                 | 26.9      |      | 24.3 | 27.9 | 29.3 | 25.9 | 21.2 | 30.3 | 29.8 | 21.9 | 19.2 | 24.8 | 23.8 | 23.9 | 27.7 | 25.3 | 22.3 | 22.2 | 23.3 | 27.8 | 32.8 | 34.8 | 33.9 | 22.6 | 30.8 | 27.1 | 30.1 | 34.3 | 26.6 | 23.7 | 27.3 | 32.2 |      |
| 058012 Yamba Pilot Station              | 26.1      | +1.9 | 27.1 | 29.6 | 27.3 | 24.4 | 23.2 | 26.8 | 27.9 | 22.8 | 22.4 | 24.0 | 24.9 | 25.5 | 26.8 | 24.9 | 23.9 | 22.3 | 24.8 | 26.5 | 28.5 | 28.9 | 30.3 | 25.3 | 27.9 | 25.4 | 28.2 | 28.3 | 25.1 | 24.5 | 25.9 | 30.4 |      |
| 060139 Port Macquarie Airport AWS       | 26.2      |      | 26.0 | 27.8 | 27.4 | 24.3 | 22.5 | 29.8 | 26.4 | 21.6 | 23.6 | 24.5 | 25.0 | 25.4 | 27.3 | 24.5 | 23.1 | 23.1 | 23.8 | 29.4 | 28.4 | 33.3 | 25.6 | 22.6 | 28.8 | 25.8 | 30.0 | 34.5 | 23.3 | 24.1 | 24.9 | 28.3 |      |
| 061078 Williamtown RAAF                 | 27.3      | +2.0 | 30.2 | 31.7 | 23.8 | 21.5 | 23.0 | 29.9 | 25.2 | 19.9 | 22.1 | 26.2 | 24.6 | 27.7 | 29.4 | 21.5 | 20.9 | 22.1 | 26.3 | 34.9 | 34.8 | 40.5 | 24.1 | 22.6 | 31.1 | 25.3 | 32.5 | 41.6 | 23.5 | 24.6 | 29.4 | 28.0 |      |
| 061363 Scone Airport AWS                | 29.0      |      | 30.1 | 29.9 | 23.9 | 22.4 | 27.9 | 30.4 | 30.0 | 21.8 | 24.6 | 28.5 | 27.6 | 28.3 | 28.0 | 20.5 | 21.6 | 23.9 | 26.9 | 32.7 | 35.9 | 38.0 | 29.2 | 26.5 | 31.4 | 29.9 | 35.1 | 39.9 | 26.8 | 29.1 | 33.6 | 35.2 |      |
| 062101 Mudgee Airport AWS               | 27.8      |      | 27.2 | 26.7 | 25.5 | 20.6 | 25.4 | 26.0 | 27.7 | 22.7 | 25.8 | 30.6 | 27.5 | 24.3 | 28.0 | 22.2 | 19.6 | 23.8 | 26.8 | 32.8 | 35.9 | 37.0 | 29.8 | 26.8 | 27.8 | 29.1 | 32.9 | 33.4 | 27.9 | 28.3 | 29.7 | 32.1 |      |
| 063005 Bathurst Agricultural Station    | 24.5      | +1.8 | 26.2 | 26.0 | 24.6 | 19.2 | 23.4 | 22.0 | 23.4 | 20.6 | 24.6 | 28.8 | 24.0 | 22.6 | 22.8 | 19.5 | 18.4 | 21.7 |      |      |      |      | 24.6 | 24.7 | 26.8 | 30.3 | 28.6 | 24.8 | 26.8 | 27.3 | 30.1 |      |      |
| 063254 Orange Agricultural Institute    |           |      | 24.5 | 23.2 | 23.0 | 17.8 | 21.7 |      | 21.0 | 19.4 | 22.5 | 26.5 | 21.7 | 21.0 |      | 21.3 | 17.0 | 20.0 | 22.0 | 28.9 | 32.4 |      |      | 32.6 | 22.5 | 24.5 | 27.9 | 24.3 |      |      |      |      |      |
| 065070 Dubbo Airport AWS                | 30.4      |      | 29.4 | 30.2 | 30.2 | 24.9 | 29.7 | 28.4 | 28.6 | 26.9 | 28.0 | 31.8 | 30.2 | 28.8 | 29.7 | 27.4 | 26.0 | 25.9 | 29.3 | 35.9 | 38.9 | 39.9 | 29.3 | 30.1 | 29.3 | 30.6 | 35.5 | 32.9 | 28.1 | 30.8 | 31.6 | 34.4 |      |
| 066062 Sydney (Observatory Hill)        | 26.2      | +2.5 | 26.8 | 30.7 | 20.0 | 19.6 | 23.4 | 28.3 | 24.6 | 21.7 | 23.3 | 25.6 | 23.9 | 25.5 | 28.8 | 20.1 | 20.9 | 22.6 | 25.1 | 36.5 | 31.2 | 40.9 | 22.1 | 22.4 | 26.5 | 25.2 | 32.7 | 37.8 | 22.6 | 23.8 | 26.0 | 26.3 |      |
| 067105 Richmond RAAF                    | 27.9      |      | 32.3 | 32.0 | 19.0 | 20.3 | 22.9 | 28.6 | 28.4 | 21.3 | 25.6 | 30.8 | 23.6 | 25.8 | 29.9 | 19.9 | 19.9 | 24.2 | 28.6 | 35.8 | 38.2 | 39.7 | 23.5 | 22.3 | 30.1 | 29.4 | 34.8 | 37.3 | 25.0 | 24.6 | 29.7 | 33.6 |      |
| 068072 Nowra RAN Air Station AWS        | 25.7      |      | 29.6 | 28.1 | 18.6 | 18.2 | 22.2 | 29.6 | 19.1 | 19.8 | 23.6 | 28.4 | 19.6 | 22.4 | 26.0 | 16.5 | 21.4 | 22.1 | 26.7 | 35.5 | 39.5 | 41.4 | 20.7 | 23.8 | 23.2 | 26.0 | 34.9 | 32.6 | 22.1 | 22.3 | 27.5 | 29.2 |      |
| 068151 Jarvis Bay (Point Perpendicular) | 23.5      |      | 24.3 | 23.6 | 18.4 | 19.2 | 20.7 | 26.7 | 17.5 | 18.8 | 20.9 | 25.0 | 20.5 | 21.8 | 22.4 | 16.9 | 19.5 | 19.7 | 26.6 | 31.6 | 30.7 | 36.5 | 20.8 | 22.6 | 22.0 | 24.7 | 30.7 | 31.9 | 19.9 | 20.3 | 24.8 | 26.6 |      |
| 068241 Albin Park (Wollongong Airport)  | 25.9      |      | 25.8 | 29.3 | 19.9 | 19.2 | 25.0 | 27.7 | 14.4 | 19.5 | 22.1 | 25.4 | 22.8 | 25.4 | 28.0 | 18.8 | 21.1 | 21.8 | 29.7 | 36.4 | 32.2 | 41.8 | 20.3 | 22.1 | 24.7 | 26.4 | 32.5 | 35.7 | 22.3 | 23.0 | 25.9 | 30.5 |      |
| 069018 Moruya Heads Pilot Station       |           |      | 23.9 | 20.5 | 19.6 | 18.4 | 20.0 | 22.2 | 18.1 | 19.8 | 20.0 | 22.9 | 17.6 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 19.8 | 22.0 | 21.6 |      |
| 070351 Canberra Airport                 | 25.3      |      | 25.3 | 25.4 | 21.3 | 20.8 | 22.3 | 23.7 | 23.2 | 20.7 | 27.8 | 30.7 | 18.7 | 22.7 | 23.6 | 15.3 | 21.1 | 23.3 | 26.5 | 30.0 | 34.8 | 36.1 | 26.5 | 25.3 | 26.1 | 27.4 | 30.3 | 35.7 | 22.9 | 27.4 | 27.4 | 28.4 |      |
| 071041 Thredbo Village                  | 18.5      |      | 20.5 | 17.2 | 18.0 | 16.5 | 15.5 | 15.8 | 15.5 | 19.2 | 23.8 | 23.5 | 14.0 | 16.1 | 17.5 | 13.0 | 14.9 | 18.3 | 18.2 | 22.5 | 26.3 | 25.2 | 18.0 | 18.5 | 18.2 | 19.5 | 21.7 | 14.0 | 15.1 | 21.5 | 16.5 | 20.5 |      |
| 072150 Wagga Wagga AWS                  | 27.5      | +1.8 | 26.9 | 27.1 | 27.3 | 26.0 | 23.1 | 24.1 | 22.4 | 25.1 | 29.0 | 32.0 | 24.4 | 27.0 | 24.9 | 25.2 | 25.2 | 25.8 | 29.6 | 33.4 | 37.0 | 36.2 | 26.1 | 27.3 | 26.2 | 28.7 | 33.6 | 22.2 | 23.0 | 27.7 | 27.5 | 31.2 |      |
| 072160 Albury Airport AWS               | 28.0      |      | 27.3 | 27.1 | 26.8 | 28.7 | 21.6 | 25.1 | 23.4 | 25.7 | 29.6 | 32.3 | 28.3 | 28.2 | 27.5 | 26.2 | 25.9 | 26.7 | 31.0 | 33.5 | 37.2 | 34.3 | 26.6 | 28.3 | 26.7 | 28.7 | 33.8 | 21.3 | 21.8 | 28.3 | 27.0 | 31.6 |      |
| 072161 Cabramurra SMHEA AWS             | 17.5      |      | 16.9 | 15.4 | 16.6 | 18.5 | 13.1 | 13.3 | 14.4 | 16.5 | 20.3 | 17.7 | 17.4 |      |      |      |      |      |      |      |      | 17.9 | 21.0 | 24.4 | 23.6 | 16.8 | 16.9 | 14.4 | 21.3 | 10.9 | 12.5 | 17.0 | 19.2 |
| 074258 Deniliquin Airport AWS           | 28.5      |      | 29.2 | 26.0 | 25.5 | 26.7 | 25.3 | 25.0 | 22.2 | 27.2 | 32.3 | 31.8 | 27.4 | 29.2 | 26.6 | 25.5 | 27.2 | 30.3 | 34.3 | 36.1 | 39.5 | 34.8 | 25.0 | 26.8 | 25.9 | 28.5 | 35.4 | 32.2 | 22.9 | 26.3 | 25.7 | 33.1 |      |
| 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                  | 30.6      | +3.1 | 28.2 | 27.8 | 27.8 | 29.6 | 27.1 | 25.6 | 29.3 | 33.4 | 36.3 | 33.7 | 28.1 | 30.5 | 27.4 | 25.8 | 28.3 | 32.9 | 37.3 | 41.3 | 42.5 | 33.2 | 25.7 | 27.0 | 27.0 | 30.2 | 38.7 | 23.5 | 24.6 | 28.6 | 28.9 | 37.4 |      |
| 078015 Nhill Aerodrome                  | 26.7      |      | 25.3 | 23.4 | 25.0 | 19.6 | 21.3 | 21.4 | 24.9 | 32.5 | 36.7 | 21.9 | 26.3 | 30.2 | 23.4 | 23.7 | 26.0 | 31.0 | 34.2 | 40.1 | 34.9 | 21.5 | 23.2 | 23.1 | 24.6 | 27.2 | 36.0 | 19.3 | 19.9 | 24.2 | 24.5 | 35.8 |      |
| 080023 Kerang                           | 29.0      | +2.7 | 28.5 | 26.7 | 26.7 | 24.8 | 24.9 | 26.3 | 24.0 | 29.7 | 34.4 | 29.7 | 27.0 | 31.4 | 26.6 | 25.0 | 27.3 | 31.2 | 36.7 | 38.4 | 40.2 | 32.5 | 24.4 | 27.0 | 26.6 | 29.7 | 36.2 | 21.7 | 23.0 | 27.4 | 26.6 | 35.1 |      |
| 081123 Bendigo Airport                  | 26.7      |      | 26.0 | 23.5 | 25.1 | 27.2 | 22.5 | 22.4 | 22.1 | 28.0 | 33.1 | 22.2 | 26.6 | 30.2 | 22.5 | 22.7 | 25.7 | 29.4 | 33.7 | 34.4 | 36.6 | 27.7 | 24.0 | 25.4 | 25.4 | 27.0 | 33.9 | 19.8 | 20.6 | 25.9 | 24.1 | 33.0 |      |
| 082039 Rutherglen Research              | 28.1      | +2.9 |      |      |      |      | 24.2 | 21.6 | 25.4 | 29.3 | 31.5 | 28.2 | 28.5 | 26.3 | 25.5 | 25.8 | 26.7 | 31.6 | 33.6 | 37.8 | 33.8 | 25.8 | 28.1 | 26.3 | 29.0 | 34.0 | 21.6 | 22.1 | 27.4 | 26.9 | 31.3 |      |      |
| 083085 Mount Hotham                     | 13.2      |      | 10.5 | 10.3 | 12.0 | 14.7 | 11.3 | 11.9 | 11.5 | 15.6 | 18.6 | 17.2 | 11.3 | 9.8  | 13.4 | 9.5  | 11.8 | 14.2 | 15.5 | 18.0 | 20.9 | 17.9 | 13.1 | 12.5 | 12.7 | 12.6 | 16.6 | 4.7  | 9.0  | 14.8 | 10.2 | 14.2 |      |
| 084016 Gabo Island Lighthouse           | 19.4      | +1.3 | 21.6 | 17.3 | 16.0 | 17.4 | 18.9 | 17.9 | 16.3 | 18.4 | 20.6 | 21.0 | 17.6 | 19.1 | 17.3 | 17.2 | 19.0 | 19.7 | 22.6 | 19.9 | 23.7 | 22.1 | 18.5 | 18.5 | 18.1 | 20.5 | 25.9 | 17.4 | 18.6 | 19.5 | 18.8 | 22.5 |      |
| 084145 Orbst                            | 22.0      |      | 29.4 | 17.7 | 17.0 | 23.4 | 24.5 | 23.6 | 17.5 | 19.9 | 30.8 | 19.1 | 19.1 | 24.7 | 20.6 | 19.5 | 19.1 | 23.9 | 30.7 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

# Daily and mean minimum temperatures for November 2015

| 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 Kalbarri                   | 24.9      | 24.7 | 26.5 | 24.5 | 24.5 | 25.8 | 23.7 | 25.5 | 25.5 | 24.4 | 23.0 | 23.2 | 26.3 | 24.6 | 25.9 | 27.4 | 24.4 | 22.4 | 25.1 | 24.7 | 24.7 | 23.6 | 23.4 | 25.2 | 23.5 | 23.7 | 25.5 | 25.7 | 27.5 | 24.3 | 27.0 |      |
| 002012 Halls Creek Airport        | 24.3      | -0.2 | 24.7 | 26.9 | 22.0 | 20.5 | 22.5 | 25.3 | 22.2 | 22.5 | 20.5 | 22.0 | 20.8 | 24.6 | 26.6 | 27.3 | 25.1 | 23.7 | 23.9 | 21.9 | 21.3 | 24.4 | 26.8 | 25.0 | 24.2 | 26.8 | 27.9 | 21.7 | 25.2 | 26.3 | 27.3 | 28.2 |
| 002056 Kununurra Aero             | 25.2      | 24.6 | 26.0 | 26.6 | 25.3 | 26.4 | 25.5 | 25.1 | 23.6 | 27.5 | 23.2 | 25.4 | 25.8 | 26.1 | 23.7 | 24.2 | 22.7 | 24.8 | 23.3 | 23.4 | 24.6 | 26.3 | 25.9 | 25.7 | 26.9 | 24.5 | 24.6 | 27.0 | 27.7 | 25.3 | 24.3 |      |
| 003003 Broome Airport             | 27.1      | +1.9 | 26.3 | 28.2 | 27.5 | 27.7 | 27.7 | 26.8 | 27.2 | 26.6 | 26.5 | 21.8 | 23.3 | 27.1 | 28.0 | 28.4 | 27.0 | 23.6 | 27.6 | 27.9 | 27.9 | 28.1 | 26.8 | 27.0 | 28.1 | 27.1 | 27.2 | 25.0 | 28.8 | 28.9 | 29.2 | 29.0 |
| 003032 Derby Aero                 | 26.1      | 26.2 | 27.9 | 27.3 | 26.2 | 26.7 | 25.6 | 26.2 | 26.2 | 24.0 | 23.6 | 23.6 | 24.1 | 24.9 | 27.3 | 28.0 | 23.9 | 25.5 | 26.1 | 24.3 | 26.0 | 26.2 | 28.0 | 27.8 | 27.7 | 27.6 | 26.3 | 24.8 | 27.0 | 27.3 | 26.3 |      |
| 004032 Port Hedland Airport       | 23.7      | +2.4 | 23.6 | 23.8 | 20.7 | 18.8 | 21.1 | 22.1 | 17.7 | 17.8 | 20.8 | 20.7 | 22.5 | 22.6 | 22.2 | 23.8 | 29.0 | 26.9 | 24.6 | 25.0 | 23.1 | 24.8 | 29.5 | 25.7 | 27.6 | 26.5 | 26.9 | 25.0 | 25.1 | 25.0 | 24.1 | 24.2 |
| 004083 Karratha Aero              | 24.9      | 26.1 | 26.0 | 20.9 | 21.8 | 23.8 | 22.4 | 17.9 | 20.7 | 22.0 | 22.9 | 23.4 | 25.4 | 24.3 | 24.0 | 26.1 | 27.7 | 27.0 | 24.7 | 25.6 | 25.6 | 28.4 | 28.4 | 28.1 | 26.1 | 26.7 | 26.0 | 26.5 | 25.8 | 26.2 | 25.1 |      |
| 004106 Marble Bar                 | 24.3      |      |      |      |      |      |      |      |      |      | 23.1 | 23.5 | 23.4 | 25.4 | 32.4 | 31.2 | 26.2 | 26.0 | 26.7 | 27.6 | 29.9 | 30.2 | 27.8 | 29.4 | 27.5 | 27.4 | 25.3 | 24.7 | 27.0 | 28.5 | 29.5 |      |
| 005007 Learmonth Airport          | 19.5      | 20.6 | 19.8 | 14.7 | 17.0 | 18.9 | 17.5 | 14.0 | 17.3 | 18.0 | 20.2 | 20.6 | 22.9 | 20.0 | 20.5 |      | 20.2 | 20.1 | 20.1 | 18.9 | 17.9 | 20.6 | 24.2 | 22.1 | 22.4 | 21.4 | 19.0 | 18.7 | 19.9 | 19.9 | 18.8 |      |
| 006011 Carnarvon Airport          | 20.4      | +1.8 | 19.8 | 20.4 | 17.8 | 18.9 | 20.0 | 15.5 | 19.3 | 18.8 | 19.5 | 21.5 | 22.9 | 23.7 | 22.7 | 20.6 | 21.7 | 21.8 | 22.5 | 21.7 | 17.7 | 17.0 | 21.1 | 22.8 | 23.9 | 22.1 | 19.8 | 17.1 | 20.5 | 20.4 | 20.7 | 19.4 |
| 006044 Denham                     | 20.3      | 21.9 | 20.5 | 17.5 | 19.0 | 19.5 | 15.0 | 18.0 | 16.5 | 16.4 | 20.5 | 20.9 | 23.5 | 24.8 | 21.9 | 22.4 | 22.4 | 22.6 | 21.1 | 16.9 | 16.0 | 21.0 | 22.5 | 22.9 | 21.9 | 19.8 | 21.5 | 20.9 | 21.0 | 21.0 | 19.2 |      |
| 007176 Newman Aero                | 22.0      | 22.6 | 24.8 | 16.4 | 15.0 | 18.6 | 24.2 | 15.9 | 17.4 | 17.2 | 19.8 | 23.5 | 22.8 | 23.4 | 22.5 | 26.8 | 26.1 | 25.7 | 23.8 | 23.4 | 21.4 | 23.0 | 26.1 | 26.8 | 24.8 | 21.1 | 22.1 | 19.0 | 22.9 | 21.2 | 22.4 |      |
| 007185 Paraburdoo Aero            | 22.8      | 22.6 | 21.8 | 20.7 | 17.8 | 18.3 | 20.8 | 15.0 | 17.9 | 19.8 | 25.9 | 24.9 | 24.5 | 24.7 | 27.4 | 28.3 | 29.3 | 26.4 | 22.8 | 20.2 | 26.5 | 28.1 | 27.5 | 21.7 | 26.5 | 21.9 | 21.1 | 19.7 | 20.4 | 22.3 | 20.0 |      |
| 007045 Meekatharra Airport        | 20.4      | +1.8 | 22.1 | 18.5 | 15.8 | 16.0 | 18.7 | 17.2 | 14.7 | 14.8 | 16.5 | 21.4 | 21.9 | 24.6 | 26.7 | 21.9 | 23.6 | 24.3 | 27.2 | 22.6 | 15.9 | 18.7 | 21.6 | 25.5 | 24.0 | 21.8 | 18.9 | 21.2 | 16.6 | 18.3 | 19.9 | 20.3 |
| 007600 Mount Magnet Aero          | 20.2      | 21.4 | 15.9 | 14.5 | 15.0 | 18.2 | 18.0 | 16.7 | 16.1 | 18.2 | 21.6 | 22.6 | 22.0 | 26.8 | 25.2 | 23.8 | 23.8 | 25.4 | 18.7 | 13.8 | 16.7 | 21.6 | 25.8 | 22.7 | 24.5 | 21.5 | 22.3 | 17.4 | 18.8 | 18.4 | 17.7 |      |
| 008296 Morawa Airport             | 16.8      | 16.7 | 13.4 | 11.8 | 12.7 | 13.6 | 14.9 | 15.5 | 14.8 | 15.6 | 18.1 | 19.0 | 19.9 | 27.4 | 23.4 | 20.3 | 18.6 | 17.7 | 15.4 | 11.3 | 12.7 | 16.4 | 21.1 | 19.8 | 16.3 | 15.9 | 17.4 | 18.0 | 16.5 | 15.1 | 14.6 |      |
| 008297 Dalwallinu                 | 15.5      | 14.5 | 13.5 | 12.2 | 12.5 | 12.6 | 15.0 | 14.7 | 14.1 | 14.6 | 16.0 | 16.8 | 17.5 | 22.3 | 20.6 | 19.8 | 15.9 | 15.7 | 13.3 | 10.9 | 10.8 | 15.4 | 21.1 | 19.6 | 15.2 | 14.3 | 13.6 | 17.1 | 15.5 | 15.7 | 14.2 |      |
| 008315 Geraldton Airport          | 16.1      | 15.3 | 15.6 | 12.1 | 14.9 | 16.3 | 15.9 | 17.5 | 16.7 | 15.3 | 15.2 | 15.5 | 14.7 | 24.2 | 19.5 | 18.0 | 14.1 | 18.1 | 17.3 | 13.2 | 11.2 | 13.4 | 17.2 | 16.4 | 15.2 | 16.0 | 13.2 | 14.9 | 20.4 | 18.3 | 16.7 |      |
| 009021 Perth Airport              | 15.0      | +2.2 | 11.1 | 13.9 | 14.8 | 13.0 | 10.0 | 15.0 | 17.3 | 13.6 | 14.7 | 17.1 | 11.5 | 14.8 | 19.7 | 21.9 | 18.7 | 12.9 | 14.0 | 16.3 | 8.8  | 12.9 | 15.4 | 21.8 | 15.3 | 16.6 | 14.7 | 14.3 | 16.9 | 16.3 | 13.7 | 12.1 |
| 009131 Jurien Bay                 | 15.6      | 13.9 | 16.2 | 13.0 | 12.4 | 13.2 | 15.8 | 19.1 |      | 14.8 | 14.4 | 15.1 | 15.8 | 19.7 | 17.7 | 16.6 | 15.4 | 13.5 | 18.4 | 16.2 | 10.7 |      | 13.7 | 17.8 | 13.6 | 14.1 | 16.0 | 20.1 | 19.0 | 13.9 |      |      |
| 009225 Perth Metro                | 16.0      | 12.6 | 14.6 | 13.5 | 14.6 | 11.8 | 17.0 | 17.3 | 14.1 | 15.5 | 17.3 | 15.4 | 16.0 | 20.5 | 22.2 | 19.8 | 15.1 | 14.9 | 16.6 | 12.6 | 13.1 | 15.9 | 22.8 | 17.8 | 16.9 | 14.9 | 14.6 | 16.0 | 17.2 | 14.9 | 13.4 |      |
| 009240 Bickley                    | 13.3      | 11.1 | 12.2 | 10.5 | 11.4 | 11.8 | 13.1 | 14.2 | 11.7 | 13.6 | 13.3 | 15.1 | 14.3 | 16.2 | 17.5 | 16.8 | 14.7 | 16.5 | 12.4 | 8.9  | 9.0  | 11.4 | 17.7 | 16.2 | 15.3 | 11.7 | 10.7 | 13.4 | 13.8 | 13.7 | 10.6 |      |
| 009518 Cape Leeuwin               | 15.7      | +1.6 | 14.5 | 15.4 | 13.6 | 14.2 | 14.4 | 17.1 | 15.6 | 15.4 | 16.0 | 15.8 | 16.7 | 16.9 | 16.8 | 18.3 | 16.5 | 14.2 | 17.1 | 14.2 | 13.2 | 14.3 | 14.7 | 17.1 | 16.7 | 16.0 | 14.9 | 15.7 | 16.7 | 16.0 | 15.1 |      |
| 009617 Bridgetown                 | 10.9      | 11.1 | 14.1 | 5.8  | 8.9  | 6.7  | 13.7 | 14.1 | 5.5  | 10.0 | 14.5 | 9.1  | 14.6 | 13.2 | 13.9 | 14.2 | 6.9  | 12.4 | 9.5  | 6.2  | 6.6  | 10.9 | 13.4 | 11.5 | 14.8 | 11.8 | 7.2  | 12.5 | 13.6 | 9.7  | 10.6 |      |
| 009746 Whitcliff                  | 11.7      | 9.1  | 11.3 | 7.4  | 10.4 | 9.2  | 13.1 | 14.6 | 8.5  | 14.5 | 10.8 | 10.3 | 13.4 | 13.6 | 13.1 | 12.9 | 7.5  | 10.7 | 11.6 | 11.8 | 11.6 | 9.3  | 13.7 | 15.6 | 15.0 | 13.5 | 10.1 | 12.0 | 13.1 | 9.5  | 13.4 |      |
| 009789 Esperance                  | 14.5      | 14.5 | 12.7 | 13.6 | 9.4  | 14.9 | 15.2 | 18.4 | 16.2 | 15.2 | 14.2 | 15.4 | 14.4 | 16.6 | 13.9 | 17.6 | 15.6 | 12.8 | 16.5 | 13.5 | 15.1 | 10.7 | 9.7  | 15.5 | 19.5 | 14.4 | 11.8 | 12.1 | 14.6 | 17.1 | 15.1 |      |
| 009965 Bunbury                    | 13.1      | 12.6 | 14.5 | 9.9  | 9.8  | 10.2 | 14.3 | 15.3 | 7.9  | 12.3 | 14.8 |      | 14.6 | 15.7 | 18.4 | 14.9 | 11.5 | 11.3 | 13.8 | 8.7  | 8.7  | 14.0 | 19.7 | 18.6 | 15.7 | 11.0 | 11.9 | 14.3 | 13.8 | 11.7 | 11.4 |      |
| 009977 Mandurah                   | 16.6      | 14.3 | 14.3 | 14.5 | 15.4 | 14.5 | 17.6 | 17.5 | 14.1 | 15.3 | 17.0 | 16.6 | 17.8 | 19.7 | 15.1 | 19.9 | 17.0 | 17.2 | 16.8 | 13.8 | 12.3 | 15.7 | 22.2 | 20.4 | 19.0 | 15.4 | 14.6 | 16.3 | 18.0 | 16.4 | 13.8 |      |
| 009998 Albany Airport             | 12.4      | 9.9  | 14.6 | 6.9  | 6.9  | 8.3  | 14.3 | 14.6 | 10.1 | 14.0 | 11.8 | 15.1 | 14.0 | 11.4 | 16.1 | 16.4 | 13.2 | 12.3 | 12.0 | 10.5 | 12.0 | 10.3 | 12.6 | 15.7 | 14.9 | 13.3 | 11.5 | 14.2 | 13.2 | 9.1  | 11.5 |      |
| 010007 Bencubbin                  | 15.9      | +2.7 | 15.5 | 14.4 | 11.0 | 11.3 | 14.0 | 16.0 | 14.0 | 15.0 | 13.8 | 15.8 | 16.8 | 17.4 | 21.2 | 22.2 | 21.1 | 18.0 | 17.5 | 13.6 | 9.9  | 12.0 | 16.6 | 19.1 | 21.6 | 16.8 | 12.6 | 13.0 | 18.0 | 16.9 | 16.4 | 14.1 |
| 010092 Merredin                   | 15.6      | +2.7 | 15.4 | 13.9 | 10.0 | 13.0 | 13.5 | 15.8 | 13.9 | 15.0 | 14.2 | 15.5 | 17.8 | 16.0 | 20.0 | 22.2 | 20.8 | 16.7 | 20.4 | 13.4 | 9.1  | 11.5 | 15.6 | 19.0 | 18.7 | 17.0 | 11.9 | 12.3 | 18.6 | 16.0 | 15.4 | 15.3 |
| 010286 Cunderdin Airfield         | 14.5      | 14.9 | 13.3 | 11.8 | 9.0  | 10.5 | 15.4 | 13.8 | 15.4 | 15.9 | 15.3 | 14.9 | 16.3 | 18.6 | 19.9 | 17.7 | 16.3 | 13.8 | 12.4 | 9.2  | 11.8 | 13.9 | 18.0 | 16.6 | 15.2 | 12.2 | 12.4 | 15.7 | 15.4 | 15.4 | 13.6 |      |
| 010633 Ravensthorpe               | 13.0      | +2.2 | 14.3 | 12.0 | 11.5 | 8.0  | 15.5 | 15.5 | 15.8 | 14.8 | 14.5 | 13.0 | 15.3 | 16.5 | 14.5 | 14.0 | 18.0 | 12.5 | 13.0 | 12.5 | 9.0  | 10.0 | 8.6  | 10.8 | 11.0 | 16.5 | 12.0 | 12.0 | 12.0 | 15.0 | 11.5 | 11.5 |
| 010911 Lake Grace                 | 13.3      | 14.3 | 12.5 | 9.3  | 11.2 | 12.9 | 14.3 | 15.4 | 14.1 | 14.1 | 14.4 | 14.6 | 14.9 | 14.6 | 15.5 | 19.2 | 14.8 | 15.3 | 13.5 | 9.4  | 8.1  | 10.5 | 13.4 | 14.3 | 15.4 | 11.5 | 11.6 | 12.6 | 14.4 | 13.4 | 10.0 |      |
| 010916 Katanning                  | 11.7      | 13.0 | 12.2 | 7.6  | 8.7  | 12.5 | 12.4 | 13.4 | 10.4 | 12.5 | 12.9 | 13.0 | 14.7 | 14.0 | 13.8 | 17.6 | 11.8 | 11.7 | 12.0 | 8.4  | 7.0  | 9.6  | 11.7 | 10.3 | 14.5 | 11.7 | 10.9 | 12.6 | 9.7  | 9.1  |      |      |
| 010917 Wandering                  | 10.9      | 9.4  | 11.8 | 7.5  | 6.9  | 8.5  | 12.4 | 14.8 | 9.9  | 15.4 | 13.4 | 8.1  | 12.3 | 14.2 | 14.4 | 15.5 | 9.8  | 10.7 | 9.7  | 3.8  | 4.7  | 10.4 | 16.4 | 10.3 | 14.3 | 10.2 | 9.6  | 11.4 | 14.4 | 11.3 | 5.9  |      |
| 011003 Eucla                      | 15.0      | +1.6 | 15.7 | 14.9 | 16.3 | 14.2 | 6.3  | 12.1 | 17.8 | 18.0 | 19.4 | 16.6 | 15.4 | 14.5 | 15.1 | 13.5 | 11.4 | 16.0 | 16.5 | 24.7 | 17.2 | 13.0 | 15.3 | 15.1 | 9.9  | 14.5 | 14.0 | 11.0 | 13.1 | 15.3 | 15.5 |      |
| 011052 Forrest                    | 15.0      | 15.8 | 15.5 | 15.6 | 13.7 | 8.9  | 13.6 | 22.0 | 19.2 | 21.2 | 16.4 | 15.8 | 17.7 | 13.9 | 9.0  | 12.0 | 15.7 | 18.3 | 28.9 | 19.1 | 11.4 | 12.6 | 10.2 | 8.7  | 13.5 | 17.9 | 10.7 | 12.2 | 15.2 | 16.9 | 14.1 |      |
| 012038 Kalgoorlie-Boulder Airport | 16.6      | +2.3 | 17.0 | 15.8 | 12.2 | 9.6  | 18.1 | 22.0 | 14.0 | 14.0 | 16.6 | 15.6 | 15.6 | 17.9 | 19.9 | 18.0 | 18.5 | 18.8 | 21.8 | 20.0 | 14.9 | 12.0 | 12.9 | 16.1 | 21.5 | 22.1 | 12.3 | 14.1 | 17.8 | 17.7 | 16.4 | 14.6 |
| 012071 Salmon Gums Res. Stn.      | 12.5      | +2.0 | 14.3 | 11.9 | 11.9 | 3.4  | 10.7 | 12.6 | 12.2 | 15.1 | 12.9 | 13.6 | 13.7 | 15.2 | 14.6 | 13.7 | 18.6 | 14.5 | 13.0 | 12.0 | 10.9 | 5.5  | 3.5  | 9.9  | 15.9 | 18.4 | 10.9 |      | 12.0 | 14.8 | 13.5 | 12.1 |
| 013011 Warburton Airfield         | 22.4      | 24.8 | 26.1 | 18.3 | 16.0 | 19.5 | 24.8 | 23.2 | 20.5 | 16.2 | 16.1 | 21.2 | 24.0 | 24.3 | 23.7 | 22.8 | 25.3 | 26.9 | 23.9 | 24.2 | 22.6 | 20.3 | 22.7 |      |      |      |      |      |      |      |      |      |

## Daily and mean minimum temperatures for November 2015

| 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                            | 17.3      | +1.7 | 16.7 | 16.5 | 20.4 | 18.2 | 17.3 | 17.4 | 15.3 | 12.9 | 16.1 | 18.3 | 20.4 | 22.9 | 17.9 | 16.5 | 13.3 | 15.1 | 17.2 | 18.2 | 23.0 | 24.4 | 17.7 | 13.7 | 14.8 | 14.4 | 17.4 | 23.2 | 12.0 | 13.5 | 16.4 | 17.8 |     |
| 048245 Bourke Airport AWS                  | 18.1      |      | 17.8 | 17.2 | 17.5 | 19.2 | 19.2 | 17.8 | 17.0 | 15.4 | 19.1 | 20.1 | 22.9 | 25.3 | 18.9 | 20.6 | 14.1 | 17.3 | 18.8 | 17.5 | 18.8 | 21.5 | 22.2 | 18.0 | 13.2 | 12.2 | 15.8 | 19.2 | 15.9 | 14.9 | 16.2 | 19.6 |     |
| 049000 Ivanhoe Aerodrome AWS               | 17.1      |      | 22.1 | 17.5 | 17.3 | 19.1 | 17.6 | 17.4 | 14.1 | 11.6 | 15.9 | 19.2 | 20.5 | 22.3 | 19.2 | 12.8 | 13.3 | 16.4 | 17.7 | 23.3 | 24.9 | 25.4 | 15.8 | 14.5 | 14.8 | 13.5 | 15.9 | 17.6 | 10.8 | 12.0 | 14.1 | 17.4 |     |
| 050052 Condobolin Ag Research Stn          | 15.0      | +2.3 | 16.8 | 17.5 | 16.6 | 19.0 | 17.9 | 17.8 | 14.5 | 10.4 | 12.6 | 13.6 | 19.2 | 18.8 | 14.2 | 13.4 | 13.1 | 11.8 | 14.1 | 20.0 | 18.9 | 24.8 | 15.0 | 11.2 | 11.3 | 9.3  | 11.5 | 20.6 | 7.9  |      | 12.0 | 12.0 |     |
| 051039 Nyngan Airport                      | 16.6      | +1.7 | 15.8 | 17.1 | 20.0 | 18.8 |      | 18.2 | 15.5 | 13.5 | 14.8 | 15.5 | 19.4 | 21.6 | 17.9 | 17.8 | 14.8 | 13.5 | 15.2 | 17.9 | 19.0 | 20.5 | 19.0 | 15.2 | 14.5 | 13.8 | 13.2 | 18.1 | 13.6 |      | 13.3 |      |     |
| 052088 Walgett Airport AWS                 | 17.2      |      | 18.3 | 18.3 | 19.2 | 19.8 | 18.3 | 17.0 | 17.4 | 13.9 | 17.5 | 18.3 | 19.9 | 21.8 | 17.2 | 18.5 | 14.0 | 16.1 | 16.3 | 17.3 | 19.9 | 21.9 | 23.5 | 15.8 | 15.8 | 11.0 | 11.6 |      | 16.3 | 14.9 | 14.2 | 13.6 |     |
| 053115 Moree Aero                          | 18.6      |      | 18.6 | 19.1 | 20.7 | 21.9 | 19.6 | 19.4 | 16.9 | 16.7 | 18.2 | 16.9 | 19.0 | 18.2 | 18.2 | 19.4 | 15.7 | 14.4 | 17.0 | 17.7 | 18.2 | 20.0 | 22.3 | 18.4 | 19.4 | 13.6 | 16.9 | 26.1 | 21.1 | 17.3 | 18.8 | 16.8 |     |
| 054038 Narrabri Airport AWS                | 17.1      |      | 18.8 | 17.9 | 18.9 | 19.4 | 18.8 | 18.5 | 17.6 | 15.7 | 15.5 | 14.3 | 17.2 | 16.8 | 15.7 | 18.2 | 15.0 | 14.3 | 16.0 | 16.0 | 20.5 | 16.7 | 26.4 | 17.4 | 15.0 | 11.7 | 12.7 | 26.5 | 18.4 | 14.9 | 13.4 | 13.3 |     |
| 055024 Gunnedah Resource Centre            | 16.8      | +1.9 | 15.7 | 16.6 | 17.6 | 18.4 | 16.8 | 17.7 | 18.9 | 13.9 |      | 13.6 | 14.1 | 16.9 | 16.5 | 16.5 | 14.2 | 12.8 | 14.7 | 15.7 | 19.2 | 21.2 |      | 17.3 | 15.6 | 15.7 | 18.3 | 24.9 | 15.8 | 18.1 | 18.1 | 15.9 |     |
| 055325 Tamworth Airport AWS                | 15.2      |      | 14.0 | 16.7 | 16.8 | 18.9 | 17.5 | 17.8 | 16.3 | 16.0 | 11.9 | 10.1 | 13.2 | 15.3 | 15.8 | 15.9 | 13.6 | 9.8  | 10.9 | 11.5 | 13.3 | 16.0 | 17.9 | 18.7 | 13.9 | 12.6 | 12.5 | 22.5 | 18.5 | 17.1 | 17.0 | 13.2 |     |
| 056242 Inverell (Raglan St)                | 13.6      |      | 14.2 | 16.2 | 16.4 | 17.0 | 18.0 | 15.0 | 11.8 | 13.2 | 11.4 | 11.5 | 17.2 | 11.6 | 15.0 | 15.7 | 11.5 | 9.0  | 9.9  | 10.4 | 11.5 | 11.6 | 15.0 | 17.5 | 15.5 | 8.2  | 11.5 |      | 14.2 | 19.8 | 11.8 |      |     |
| 057095 Tabulam (Muirne)                    | 15.6      |      | 13.1 | 14.6 | 17.6 | 17.2 | 16.6 | 16.3 | 17.6 | 15.3 | 12.3 | 12.7 | 12.7 | 13.7 | 14.7 | 16.3 | 14.8 | 13.2 | 12.1 | 12.8 | 16.4 | 16.2 | 15.7 | 15.6 | 17.7 | 17.4 | 17.9 | 18.3 | 19.2 | 16.9 | 17.1 | 16.6 |     |
| 058012 Yamba Pilot Station                 | 19.0      | +1.8 | 17.7 | 17.7 | 19.7 | 20.1 | 19.7 | 19.9 | 20.4 | 19.8 | 17.0 | 16.0 | 17.4 | 17.9 | 18.9 | 19.5 | 18.0 | 16.0 | 16.7 | 17.0 | 17.9 | 19.1 | 20.9 | 20.3 | 21.3 | 20.1 | 19.8 | 20.3 | 19.8 | 20.4 | 20.3 | 20.2 |     |
| 060139 Port Macquarie Airport AWS          | 16.8      |      | 16.5 | 18.5 | 16.7 | 20.1 | 18.3 | 18.9 | 16.8 | 16.8 | 15.6 | 11.9 | 13.9 | 13.9 | 17.5 | 17.5 | 16.3 | 13.8 | 11.2 | 14.1 | 14.8 | 17.9 | 20.4 | 18.2 | 16.6 | 18.6 | 15.5 | 21.2 | 18.4 | 18.4 | 19.7 | 17.3 |     |
| 061078 Williamtown RAAF                    | 16.1      | +1.9 | 15.0 | 18.9 | 19.2 | 19.3 | 16.7 | 18.1 | 17.8 | 16.1 | 12.7 | 10.6 | 13.5 | 14.9 | 16.3 | 16.0 | 16.1 | 13.4 | 9.0  | 13.6 | 16.3 | 17.8 | 19.7 | 17.7 | 13.5 | 15.5 | 13.8 | 20.3 | 17.7 | 15.2 | 20.1 | 16.8 |     |
| 061363 Scone Airport AWS                   | 14.6      |      | 14.9 | 18.2 | 16.0 | 17.5 | 15.9 | 16.0 | 16.7 | 15.0 | 15.1 | 9.8  | 14.5 | 12.2 | 15.5 | 15.9 | 14.2 | 10.9 | 8.0  | 11.3 | 14.2 | 15.6 | 19.3 | 16.6 | 11.7 | 12.5 | 12.8 | 18.0 | 17.2 | 14.9 | 15.4 | 12.6 |     |
| 062101 Mudgee Airport AWS                  | 13.2      |      | 11.5 | 15.5 | 16.1 | 16.0 | 15.0 | 16.9 | 13.1 | 14.4 | 13.8 | 6.8  | 9.6  | 15.8 | 16.0 | 13.9 | 14.8 | 12.0 | 11.4 | 8.6  | 9.8  | 11.7 | 13.3 | 17.1 | 16.4 | 10.3 | 9.2  | 8.5  | 13.5 | 11.3 | 12.9 | 17.7 | 9.2 |
| 063005 Bathurst Agricultural Station       | 10.5      | +2.2 | 9.0  | 14.2 | 12.9 | 13.1 | 13.5 | 14.2 | 13.8 | 10.0 | 6.2  | 7.6  | 13.3 | 11.6 | 11.8 | 15.2 | 11.8 | 8.5  | 7.0  |      |      |      |      |      |      | 8.0  | 5.5  | 15.2 | 2.5  | 10.0 | 14.0 | 7.2  |     |
| 063254 Orange Agricultural Institute       |           |      | 10.9 | 13.3 | 11.9 | 13.7 | 12.5 | 13.4 |      | 8.4  | 7.6  | 9.4  | 12.5 | 13.1 | 12.4 |      | 10.3 |      | 7.6  |      | 13.8 |      |      |      | 8.6  | 6.8  | 7.6  | 17.4 | 3.4  |      |      |      |     |
| 065070 Dubbo Airport AWS                   | 14.1      |      | 15.2 | 17.0 | 17.7 | 18.1 | 16.1 | 16.4 | 14.6 | 11.6 | 12.5 | 12.6 | 17.5 | 17.3 | 15.1 | 15.6 | 12.7 | 10.9 | 12.2 | 12.2 | 14.7 | 15.0 | 16.5 | 14.3 | 9.7  | 9.8  | 8.9  | 18.9 | 10.9 | 11.8 | 14.7 | 11.9 |     |
| 066062 Sydney (Observatory Hill)           | 17.7      | +1.7 | 17.5 | 18.2 | 18.6 | 17.1 | 16.0 | 18.2 | 18.4 | 16.2 | 13.7 | 15.2 | 18.9 | 18.3 | 18.0 | 17.7 | 14.9 | 14.3 | 14.4 | 17.4 | 18.8 | 21.4 | 20.3 | 19.0 | 17.1 | 18.7 | 17.3 | 22.4 | 16.5 | 19.1 | 19.9 | 18.2 |     |
| 067105 Richmond RAAF                       | 15.5      |      | 12.0 | 17.7 | 17.9 | 16.7 | 16.0 | 16.8 | 14.9 | 14.5 | 12.3 | 11.7 | 18.2 | 16.1 | 15.6 | 17.0 | 14.3 | 12.8 | 11.8 | 13.0 | 15.3 | 18.1 | 17.2 | 16.3 | 13.8 | 16.0 | 13.1 | 16.4 | 15.5 | 18.2 | 18.6 | 16.7 |     |
| 068072 Nowra RAN Air Station AWS           | 14.3      |      | 11.8 | 17.1 | 14.9 | 14.7 | 15.3 | 16.5 | 15.2 | 13.2 | 10.7 | 12.1 | 16.1 | 16.0 | 15.8 | 14.4 | 13.5 | 10.1 | 11.2 | 14.9 | 14.8 | 20.0 | 15.7 | 14.6 | 14.3 | 14.0 | 15.3 | 13.4 | 10.7 | 13.6 | 15.2 | 13.6 |     |
| 068151 Jarvis Bay (Point Perpendicular)    | 16.1      |      | 17.1 | 17.6 | 15.4 | 15.4 | 15.8 | 17.5 | 17.1 | 13.8 | 12.4 | 15.0 | 16.7 | 16.8 | 16.6 | 15.8 | 14.8 | 14.5 | 13.2 | 17.7 | 15.9 | 19.4 | 15.6 | 15.4 | 16.5 | 17.0 | 17.1 | 21.1 | 14.8 | 15.6 | 16.1 | 16.7 |     |
| 068241 Aerodrome Park (Wollongong Airport) | 14.4      |      | 13.1 | 18.2 | 17.9 | 16.4 | 15.8 | 17.0 | 14.8 | 14.7 | 10.3 | 9.5  | 18.7 | 15.1 | 14.4 | 16.1 | 14.1 | 10.0 | 9.0  | 7.2  | 12.2 | 12.6 | 16.6 | 17.8 | 15.8 | 13.8 | 13.9 | 10.5 | 14.2 | 15.5 | 18.5 | 13.7 |     |
| 069018 Moruya Heads Pilot Station          |           |      | 13.8 | 17.2 | 14.6 | 15.8 | 15.5 | 17.2 | 15.0 | 12.6 | 12.2 | 13.2 | 16.1 | 16.4 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 16.0 | 13.6 |      |     |
| 070351 Canberra Airport                    | 10.9      |      | 8.9  | 14.0 | 13.8 | 13.9 | 13.5 | 14.7 | 9.6  | 10.2 | 9.7  | 9.7  | 13.2 | 13.7 | 12.3 | 11.6 | 10.7 | 4.9  | 7.0  | 9.6  | 10.6 | 13.1 | 13.2 | 13.5 | 8.0  | 6.9  | 5.2  | 19.5 | 0.5  | 9.2  | 15.9 | 7.9  |     |
| 071041 Thredbo Village                     | 5.7       |      | 8.5  | 10.0 | 7.5  | 7.0  | 9.5  | 7.2  | 5.7  | 0.5  | 3.0  | 6.8  | 9.4  | 9.5  | 5.5  | 6.1  | 1.5  | 1.0  | 2.6  | 11.5 | 12.5 | 10.0 | 3.6  | 1.5  | 1.5  | 1.0  | 8.7  | 11.6 | -3.5 | -0.5 | 7.2  | 3.9  |     |
| 072150 Wagga Wagga AMD                     | 13.0      | +2.6 | 15.1 | 16.3 | 12.6 | 17.2 | 16.3 | 13.1 | 12.3 | 10.2 | 11.8 | 14.1 | 17.5 | 17.8 | 16.0 | 15.3 | 12.7 | 11.8 | 11.6 | 14.8 | 16.4 | 17.6 | 11.9 | 9.6  | 9.0  | 8.6  | 9.8  | 18.4 | 6.5  | 6.8  | 10.2 | 9.5  |     |
| 072160 Albury Airport AWS                  | 13.2      |      | 15.0 | 15.9 | 12.3 | 14.7 | 16.6 | 15.2 | 12.1 | 9.2  | 12.0 | 15.8 | 17.8 | 17.9 | 15.9 | 13.8 | 12.4 | 11.6 | 12.3 | 13.3 | 18.1 | 17.8 | 12.4 | 9.6  | 9.9  | 10.2 | 10.0 | 17.9 | 5.7  | 8.1  | 12.2 | 10.0 |     |
| 072161 Cabramurra SMHEA AWS                | 8.6       |      | 8.7  | 9.1  | 8.6  | 8.4  | 9.1  | 8.4  | 8.5  | 2.6  | 7.4  | 14.0 | 8.6  | 10.7 |      |      |      |      |      |      | 11.7 | 14.4 | 18.1 | 5.2  | 7.1  | 7.5  | 6.3  | 10.0 | 10.1 | 0.2  | 4.0  | 8.8  | 7.5 |
| 074258 Deniliquin Airport AWS              | 12.9      |      | 17.0 | 14.9 | 10.1 | 14.3 | 16.7 | 16.4 | 10.2 | 8.2  | 7.2  | 14.9 | 11.6 | 15.6 | 14.3 | 9.7  | 12.3 | 12.6 | 19.2 | 15.0 | 24.5 | 16.6 | 11.2 | 7.9  | 10.3 | 11.0 | 11.0 | 14.3 | 4.6  | 8.6  | 10.7 | 10.1 |     |
| 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                     | 13.8      | +1.2 | 17.9 | 12.1 | 14.0 | 17.2 | 16.2 | 16.7 | 10.1 | 10.6 | 13.0 | 17.5 | 14.2 | 15.9 | 13.2 | 10.8 | 11.2 | 13.2 | 15.8 | 14.9 | 21.5 | 21.1 | 12.3 | 10.7 | 10.0 | 11.4 | 13.4 | 12.7 | 6.9  | 10.0 | 12.7 | 15.3 |     |
| 078015 Nhilil Aerodrome                    | 10.7      |      | 11.2 | 10.9 | 9.4  | 12.5 | 15.5 | 13.2 | 8.9  | 9.0  | 16.2 | 15.9 | 6.4  | 12.0 | 9.1  | 6.4  | 6.0  | 8.4  | 12.8 | 11.8 | 18.2 | 16.6 | 9.0  | 6.2  | 13.0 | 8.5  | 12.4 | 8.8  | 4.5  | 6.9  | 10.5 | 11.0 |     |
| 080023 Kerang                              | 12.9      | +1.6 | 13.4 | 13.8 | 9.6  | 14.2 | 17.3 | 17.0 | 10.4 | 8.8  | 12.8 | 17.0 | 10.6 | 14.2 | 12.6 | 10.0 | 11.0 | 12.0 | 19.5 | 12.6 | 22.3 | 18.5 | 10.6 | 9.3  | 10.8 | 12.0 | 12.6 | 31.1 | 5.6  | 10.8 | 13.2 | 10.6 |     |
| 081123 Bendigo Airport                     | 11.1      |      | 16.7 | 11.7 | 8.3  | 11.7 | 15.8 | 14.6 | 9.9  | 6.1  | 9.8  | 18.1 | 8.9  | 14.4 | 10.6 | 9.5  | 8.3  | 11.3 | 14.5 | 10.8 | 19.1 | 15.9 | 9.3  | 8.0  | 11.0 | 7.6  | 10.2 | 10.3 | 2.8  | 8.4  | 11.2 | 9.6  |     |
| 082039 Rutherglen Research                 |           |      |      |      |      |      |      |      | 10.0 | 4.3  | 8.9  | 11.7 | 15.9 | 15.4 | 12.0 | 7.7  | 7.0  | 8.9  | 9.7  | 9.3  | 16.9 | 15.2 | 9.4  | 5.4  | 7.3  | 4.4  | 5.8  | 16.5 | 0.3  | 2.8  | 7.3  | 4.9  |     |
| 083085 Mount Hotham                        | 4.9       |      | 6.5  | 7.3  | 3.2  | 5.2  | 8.3  | 7.6  | 2.8  | -0.5 | 8.5  | 11.0 | 6.6  | 8.5  | 6.1  | 0.3  | -1.0 | 3.6  | 6.2  | 8.7  | 11.9 | 14.4 | 0.2  | 2.3  | 3.6  | 3.0  | 6.2  | 2.3  | -5.3 | 0.0  | 4.9  | 3.3  |     |
| 084016 Gabo Island Lighthouse              | 13.4      | +0.4 | 14.9 | 14.4 | 12.0 | 12.1 | 14.0 | 14.1 | 13.4 | 11.6 | 11.1 | 14.1 | 12.5 | 13.7 | 14.1 | 12.2 | 11.6 | 11.5 | 14.3 | 16.4 | 13.4 | 14.8 | 13.7 | 12.8 | 13.5 | 13.4 | 15.1 | 16.5 | 9.3  | 13.0 | 16.1 | 13.6 |     |
| 084145 Orbest                              | 11.5      |      | 13.3 | 13.6 | 10.9 | 12.7 | 15.9 | 16.2 | 11.8 | 8.3  | 10.3 | 14.4 |      | 12.9 | 12.3 | 9.5  | 9.5  | 8.9  | 13.2 | 11.6 | 12.8 | 14.2 | 11.6 | 9.5  | 13.0 | 10.5 | 9.4  | 11.1 | 5.2  | 8.7  | 12.3 | 10.5 |     |
| 085072 East Sale Airport                   | 9.9       | +0.2 | 10.1 | 13.2 | 8.9  | 13.0 | 14.3 | 13.1 | 11.4 | 4.3  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |



## Daily and total rainfall for November 2015

| 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        |
|------------------------------------|--------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 001013 Wyndham                     | 78.6         | -          | -        | -        | 1.0      | 2.0      | 1.0      | -        | -        | -        | -        | 16.0      | -         | -         | -         | -         | 56.0      | -         | -         | -         | -         | -         | -         | -         | 2.6       | -         | -         | -         | -         | -         | -         |           |
| 001019 Kalumburu                   | 21.8         | -          | -        | -        | -        | 1.2      | 8.4      | 1.8      | -        | -        | -        | -         | -         | -         | 1.8       | -         | -         | 0.2       | 4.0       | 1.0       | -         | -         | -         | 0.6       | -         | -         | -         | -         | -         | 2.8       | -         |           |
| 002012 Halls Creek Airport         | 82.8         | 35         | 3.8      | 0.6      | 29.6     | 13.2     | 0.4      | »        | »        | »        | 24.6     | -         | -         | -         | »         | »         | 2.4       | -         | -         | -         | -         | -         | -         | -         | -         | -         | 8.2       | -         | -         | -         | -         |           |
| 002056 Kununurra Aero              | 47.8         | -          | -        | -        | -        | -        | -        | -        | -        | 20.2     | -        | 10.2      | -         | -         | -         | 0.2       | -         | 0.4       | -         | -         | -         | -         | -         | -         | -         | -         | -         | 6.6       | -         | 3.2       | 3.8       | 3.2       |
| 003003 Broome Airport              | 6.4          | 8.9        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | 6.4       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |
| 003032 Derby Aero                  | 3.6          | 8.8        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.2       | -         | 3.4       | -         | -         | -         | -         | -         | -         |           |
| 004032 Port Hedland Airport        | -            | 1.9        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |
| 004083 Karratha Aero               | -            | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |
| 004106 Marble Bar                  | 3.6          | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | 3.4       | -         | -         | -         | -         | -         | -         | -         | -         | 0.2       | -         | -         | -         | -         |           |
| 005007 Learmonth Airport           | 0.2          | 1.9        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.2       |           |
| 006011 Carnarvon Airport           | 3.7          | 5.9        | -        | -        | -        | -        | -        | 3.7      | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |
| 006044 Denham                      | 5.6          | 5.6        | -        | -        | -        | -        | -        | 5.6      | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |
| 007176 Newman Aero                 | 14.8         | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | 1.6       | -         | -         | -         | -         | 1.0       | 7.2       | -         | -         | -         | 3.4       | 0.2       | 1.4       | -         | -         | -         |           |
| 007185 Paraburdoo Aero             | 10.0         | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | 0.8       | -         | -         | -         | -         | -         | 2.2       | -         | 5.8       | 1.2       | -         | -         | -         | -         |           |
| 007045 Meekatharra Airport         | 30.8         | 14         | -        | -        | -        | -        | -        | 0.4      | -        | -        | -        | -         | -         | -         | -         | -         | 0.6       | -         | -         | -         | -         | -         | -         | 0.4       | -         | 3.0       | -         | 26.4      | -         | -         | -         |           |
| 007600 Mount Magnet Aero           | 19.2         | -          | -        | -        | -        | -        | -        | -        | 0.2      | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 19.0      | -         | -         | -         |           |
| 008296 Morawa Airport              | 38.8         | -          | -        | 1.8      | 0.6      | -        | -        | -        | 27.2     | -        | -        | -         | -         | -         | -         | -         | 6.6       | -         | -         | -         | -         | -         | -         | -         | 2.6       | -         | -         | -         | -         | -         | -         | -         |
| 008297 Dalwallinu                  | -            | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |           |
| 008315 Geraldton Airport           | 22.4         | -          | -        | 3.4      | 0.6      | -        | -        | 17.6     | 0.6      | -        | -        | -         | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009021 Perth Airport               | 17.4         | 23         | -        | 14.8     | -        | -        | -        | -        | 1.2      | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | 0.8       | 0.6       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009131 Jurien Bay                  | 7.6          | -          | -        | 6.8      | -        | -        | -        | -        | -        | »        | 0.6      | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009225 Perth Metro                 | 20.4         | -          | -        | 16.0     | -        | -        | -        | -        | 0.6      | -        | -        | -         | -         | -         | -         | -         | 0.2       | -         | -         | 1.4       | 2.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009240 Bickley                     | 34.6         | -          | -        | 18.6     | 4.6      | -        | -        | -        | 3.4      | -        | -        | -         | -         | -         | -         | -         | -         | -         | 5.8       | 2.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009518 Cape Leeuwin                | 6.4          | 47         | -        | -        | -        | -        | -        | 1.0      | 0.4      | -        | 0.2      | 0.2       | -         | -         | -         | -         | -         | -         | -         | 1.8       | 2.4       | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.4       | -         |
| 009617 Bridgetown                  | 3.2          | -          | 0.2      | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | 0.4       | -         | -         | 2.2       | -         | -         | -         | -         | -         | 0.4       | -         | -         | -         | -         | -         | -         |
| 009746 Witchcliffe                 | 9.6          | -          | -        | -        | -        | -        | -        | -        | 0.2      | -        | 3.4      | 0.2       | -         | -         | -         | -         | -         | -         | -         | 3.6       | 1.4       | 0.6       | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         |
| 009789 Esperance                   | 20.0         | -          | 0.6      | 4.8      | 5.0      | -        | -        | -        | 0.2      | -        | 0.4      | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 3.8       | 2.6       | 2.2       | -         | 0.4       | -         | -         | -         |
| 009965 Bunbury                     | 5.4          | -          | 0.2      | 1.2      | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | 1.0       | 3.0       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009977 Mandurah                    | 16.2         | -          | -        | 8.8      | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | 2.0       | 5.2       | 0.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 009999 Albany Airport              | 18.0         | -          | 0.8      | -        | -        | -        | -        | -        | 1.0      | 0.2      | 2.0      | -         | -         | -         | -         | -         | 6.6       | -         | -         | -         | -         | -         | -         | -         | 1.6       | 2.0       | 1.2       | -         | 1.0       | -         | 0.4       | -         |
| 010007 Bencubbin                   | 27.0         | 15         | -        | -        | -        | -        | -        | 23.0     | 0.8      | -        | -        | -         | -         | -         | 0.4       | -         | 2.6       | -         | -         | 0.2       | 1.0       | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         | -         |
| 010092 Merredin                    | 30.6         | 16         | -        | -        | 1.4      | -        | -        | -        | 24.0     | 0.8      | -        | -         | -         | -         | -         | 0.6       | 3.4       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.4       | -         | -         | -         |
| 010286 Cunderdin Airfield          | 20.6         | -          | -        | 1.0      | -        | -        | -        | -        | 19.2     | -        | -        | -         | -         | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         |
| 010633 Ravensthorpe                | 20.0         | 33         | -        | -        | -        | 5.8      | -        | -        | -        | -        | 1.2      | 2.6       | -         | -         | -         | -         | 3.2       | -         | -         | -         | -         | -         | -         | -         | 5.0       | 1.2       | 0.8       | -         | 0.2       | -         | -         | -         |
| 010911 Lake Grace                  | 32.6         | -          | -        | 25.8     | 1.0      | -        | -        | 0.2      | 0.6      | 0.4      | 0.2      | -         | -         | -         | -         | -         | 1.4       | -         | -         | -         | -         | -         | -         | -         | 3.0       | -         | -         | -         | -         | -         | -         | -         |
| 010916 Katanning                   | 13.0         | -          | -        | 12.6     | 0.2      | -        | -        | -        | 0.2      | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 010917 Wandaring                   | 10.8         | -          | -        | 7.4      | 0.2      | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | 3.0       | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 011003 Eucla                       | 26.0         | 18         | 4.0      | 3.2      | 13.2     | 4.6      | 0.4      | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | 0.2       | -         | -         | -         | -         | -         | -         | 0.4       | -         | -         | -         | -         | -         |
| 011052 Forrest                     | 32.2         | -          | 0.4      | 18.2     | 6.6      | 6.8      | -        | -        | -        | 0.2      | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 012038 Kalgoorlie-Boulder Airport  | 36.0         | 20         | »        | 1.2      | 4.0      | -        | -        | »        | »        | 14.8     | 9.2      | -         | -         | -         | -         | »         | »         | 1.4       | 0.4       | -         | -         | -         | -         | -         | -         | -         | 2.6       | -         | »         | »         | »         | 2.4       |
| 012071 Salmon Gums Res.Stn.        | 25.8         | 28         | -        | 3.8      | 3.6      | -        | -        | -        | 9.4      | 0.2      | -        | -         | -         | -         | -         | -         | 0.2       | 2.4       | -         | -         | -         | -         | -         | -         | -         | 1.8       | 1.8       | -         | -         | 2.6       | -         | -         |
| 013011 Warburton Airfield          | 27.4         | -          | -        | -        | 0.2      | -        | -        | -        | -        | 9.6      | 14.4     | 2.4       | 0.2       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.6       | -         | -         | -         | -         |
| 013012 Wiluna                      | 6.5          | 14         | -        | -        | -        | -        | -        | 1.2      | »        | 2.0      | 0.6      | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | »         | 2.7       | -         | -         | 0.6       | 0.2       | -         | -         |
| 013017 Giles Meteorological Office | 67.8         | 22         | -        | -        | 0.6      | -        | -        | -        | -        | 2.4      | 57.4     | 6.6       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| <b>Northern Territory</b>          | <b>Total</b> | <b>Avg</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b> | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> | <b>23</b> | <b>24</b> | <b>25</b> | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> |
| 014015 Darwin Airport              | 84.6         | 131        | -        | -        | -        | -        | -        | 0.2      | -        | -        | -        | -         | -         | -         | -         | -         | -         | 5.4       | -         | 45.2      | 0.2       | 0.2       | -         | 5.0       | -         | -         | -         | -         | -         | -         | -         | 0.4       |
| 014198 Jabiru Airport              | 61.0         | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | 13.0      | -         | -         | 12.6      | 0.2       | 2.8       | -         | -         | -         | -         | -         | -         | -         | -         | -         | 8.2       | -         | 8.8       | 15.4      |
| 014932 Tindal RAAF                 | 67.4         | -          | 0.2      | 1.8      | -        | 2.0      | 6.6      | -        | 6.0      | 16.8     | -        | -         | -         | -         | -         | 2.0       | 18.4      | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.8       | 1.0       | 7.4       | 4.4       |
| 014508 Gove Airport                | -            | -          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 014723 Borroloola Airport          | 13.6         | -          | -        | -        | -        | -        | -        | -        | -        | 1.0      | -        | -         | -         | 3.2       | -         | 5.2       | 3.8       | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.4       |
| 014825 Victoria River Downs        | 94.8         | 69         | 0.6      | -        | 8.6      | 0.2      | -        | 2.0      | 1.0      | 33.2     | 0.6      | -         | -         | -         | -         | 8.4       | 18.4      | -         | -         | -         | -         | -         | -         | -         | -         | 21.8      | -         | -         | -         | -         | -         | -         |
| 015135 Tennant Creek Airport       | 33.2         | -          | -        | -        | 24.4     | 1.4      | -        | -        | -        | 3.2      | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 2.8       | -         | -         | -         | -         | 1.4       |
| 015590 Alice Springs Airport       | 23.8         | 27         | -        | -        | 21.4     | 1.0      | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 1.4       |
| 015635 Yulara Airport              | 0.8          | -          | -        | -        | 0.8      | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 015666 Rabbit Flat                 | 58.0         | -          | -        | -        | 6.8      | 28.4     | -        | -        | -        | 0.4      | 7.6      | 0.8       | 12.6      | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | 0.6       | -         | -         | -         | 0.8       |
| <b>South Australia</b>             | <b>Total</b> | <b>Avg</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> | <b>10</b> | <b>11</b> | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> | <b>23</b> | <b>24</b> | <b>25</b> | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> |
| 016001 Woomera Aerodrome           | 11.4         | 18         | -        | -        | 7.8      | 3.2      | 0.4      | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 016098 Tarcoola Aero               | 30.0         | -          | -        | 2.2      | 10.0     | 15.8     | 2.0      | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 017043 Oodnadatta Airport          | 5.2          | -          | 0.6      | -        | 4.6      | -        | -        | -        | -        | -        | -        | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| 018012 Ceduna AMO                  | 12.4         |            |          |          |          |          |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |



## Daily and total rainfall for November 2015

| 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  |     |
|-----------------------------------------|-------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|------|-----|-----|
| 046037 Tiboburra Post Office            | 15.2  | 12  | -    | -    | -    | 1.6  | 13.6 | -    | -    | -    | -    | -   | -    | -    | -    | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 046043 Wilcannia (Reid St)              | 21.8  | 17  | -    | 1.0  | -    | 7.4  | 12.8 | -    | -    | -    | -    | -   | -    | -    | 0.6  | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 048027 Cobar MO                         | 56.6  | 32  | 2.4  | 7.6  | -    | 9.8  | 19.4 | 0.2  | -    | -    | -    | -   | -    | -    | 13.8 | 3.4  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 048245 Bourke Airport AWS               | 61.8  | -   | 0.8  | 6.8  | -    | 6.8  | 45.6 | -    | -    | -    | -    | -   | -    | -    | 1.6  | 0.2  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 049000 Ivanhoe Aerodrome AWS            | 43.6  | -   | 0.8  | 4.0  | 0.2  | 2.0  | 20.4 | -    | -    | -    | -    | -   | -    | -    | 16.2 | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 050052 Condobolin Ag Research Stn       | 67.3  | 38  | 4.4  | 9.0  | -    | 1.2  | 10.1 | 6.8  | -    | -    | -    | -   | -    | 1.0  | 33.0 | 1.8  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 051039 Nyngan Airport                   | 69.8  | 35  | 7.0  | 10.0 | -    | 5.6  | -    | 27.0 | -    | -    | -    | -   | -    | -    | 17.2 | 3.0  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 052088 Walgett Airport AWS              | 71.6  | -   | 1.2  | 10.8 | 0.2  | 0.8  | 55.4 | -    | -    | -    | -    | -   | -    | -    | 3.0  | 0.2  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 053115 Moree Aero                       | 74.2  | -   | »    | 7.8  | 1.8  | 0.4  | 39.8 | »    | »    | 11.2 | 0.8  | -   | -    | -    | »    | »    | »    | 12.4 | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 054038 Narrabri Airport AWS             | 83.0  | -   | -    | 22.8 | 0.2  | 1.8  | 43.2 | 6.0  | -    | -    | 2.6  | 0.2 | -    | -    | 2.2  | 4.0  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 055024 Gunnedah Resource Centre         | 43.2  | 59  | 1.6  | 11.2 | -    | 1.6  | 22.2 | 2.6  | -    | -    | -    | -   | -    | -    | 4.0  | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 055325 Tamworth Airport AWS             | 71.2  | -   | 10.6 | 10.4 | 1.2  | 1.6  | 22.0 | 2.2  | -    | -    | -    | -   | -    | -    | 11.0 | 3.2  | 9.0  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 056242 Inverell (Raglan St)             | 169.0 | -   | -    | 8.2  | 25.8 | 0.2  | 72.6 | 27.0 | -    | -    | -    | -   | -    | -    | 6.2  | 22.8 | 6.2  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    |     |     |
| 057095 Tabulam (Muirie)                 | 145.2 | -   | -    | -    | -    | 1.2  | 32.6 | 11.8 | -    | 0.2  | 18.2 | 2.6 | -    | -    | -    | 8.4  | 32.2 | 2.4  | 5.2 | -   | -   | -   | -   | 5.2 | 2.8 | 8.2 | -    | -   | -   | 3.0 | 4.4  | 6.8 |     |
| 058012 Yamba Pilot Station              | 146.8 | 110 | -    | -    | 0.6  | 0.4  | 21.4 | 5.2  | -    | 21.0 | 29.8 | 2.0 | -    | 0.8  | -    | 5.0  | 19.8 | 4.0  | 0.6 | -   | -   | -   | -   | -   | -   | 4.6 | 19.6 | 0.2 | -   | -   | 0.8  | 5.6 | 5.4 |
| 060139 Port Macquarie Airport AWS       | 180.6 | -   | 2.6  | 0.6  | 5.2  | 7.8  | 39.2 | 9.6  | -    | 12.2 | 2.4  | -   | -    | 0.2  | -    | 9.0  | 86.4 | 1.2  | -   | -   | -   | -   | -   | 0.6 | 1.4 | -   | -    | -   | -   | -   | 0.2  | 1.8 | 0.2 |
| 061078 Williamtown RAAF                 | 61.8  | 79  | -    | 0.8  | -    | 5.0  | 4.8  | 1.0  | 0.2  | 9.8  | 3.4  | -   | 0.4  | -    | 5.4  | 21.8 | 1.0  | 7.6  | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | 0.2 | 0.4 | -    | -   |     |
| 061363 Scone Airport AWS                | 109.2 | -   | 9.4  | 4.6  | 36.4 | 4.8  | 4.8  | 17.6 | 0.4  | -    | -    | -   | -    | -    | 14.0 | 16.8 | -    | 0.2  | 0.2 | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 062101 Mudgee Airport AWS               | 97.0  | -   | 10.0 | 5.0  | 0.2  | 33.0 | 12.0 | 10.6 | -    | -    | -    | -   | -    | -    | 23.8 | 0.4  | 1.4  | 0.2  | 0.2 | 0.2 | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 063005 Bathurst Agricultural Station    | 70.8  | 58  | 4.4  | 4.4  | -    | 5.2  | 6.4  | 16.8 | 2.8  | -    | -    | -   | -    | 1.8  | 11.4 | 12.2 | 5.4  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 063254 Orange Agricultural Institute    | 58.8  | 71  | 1.8  | 6.2  | -    | 6.6  | 10.6 | 5.8  | »    | 4.0  | -    | -   | -    | -    | 1.0  | 9.4  | »    | 13.4 | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 065070 Dubbo Airport AWS                | 66.6  | -   | 19.4 | 8.6  | -    | 1.4  | 11.0 | 9.6  | -    | -    | -    | -   | -    | -    | 15.4 | 1.0  | 0.2  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 066062 Sydney (Observatory Hill)        | 122.6 | 116 | -    | 26.0 | 1.4  | 3.8  | 13.0 | 11.6 | 10.0 | 0.4  | -    | -   | -    | 2.4  | 0.4  | 18.2 | 29.6 | 5.0  | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | 0.6 | -   | -    | 0.2 |     |
| 067105 Richmond RAAF                    | 116.0 | -   | -    | 21.4 | -    | 1.8  | 13.6 | 18.2 | 0.2  | 6.0  | -    | -   | -    | -    | 4.4  | 13.8 | 28.4 | 7.4  | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | 0.6  | 0.2 |     |
| 068072 Nowra RAN Air Station AWS        | 55.4  | -   | -    | 2.8  | 2.0  | 2.4  | 8.0  | 4.4  | 1.6  | 5.0  | 0.4  | -   | 0.4  | 12.0 | 6.0  | 5.2  | 0.8  | 0.2  | -   | -   | -   | -   | -   | 1.8 | 1.0 | -   | -    | -   | -   | 0.2 | -    | 1.2 | -   |
| 068151 Jervis Bay (Point Perpendicular) | 85.0  | -   | -    | 1.4  | 2.6  | 25.4 | 8.6  | 9.6  | 1.4  | 5.2  | 1.8  | -   | -    | 7.6  | 5.2  | 4.8  | 7.6  | -    | -   | -   | -   | -   | -   | 0.8 | -   | -   | -    | -   | -   | 1.2 | 1.0  | 0.8 |     |
| 068241 Albion Park (Wollongong Airport) | 59.0  | -   | -    | 1.4  | 0.2  | 3.2  | 20.8 | 8.0  | 0.8  | 0.2  | 0.2  | -   | -    | 5.0  | 2.0  | 10.4 | 6.6  | 0.2  | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 069018 Moruya Heads Pilot Station       | -     | -   | -    | 2.2  | 2.6  | 0.8  | 12.4 | 10.2 | 14.6 | 0.8  | -    | -   | -    | 3.4  | 21.2 | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | 0.2 | 0.6 | 15.0 | -   |     |
| 070351 Canberra Airport                 | 67.6  | -   | 2.2  | 19.4 | -    | -    | 2.2  | 14.2 | -    | 0.6  | -    | -   | -    | 9.4  | 9.6  | 8.8  | 1.2  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 071041 Thredbo Village                  | 172.7 | -   | 6.8  | 43.1 | 0.2  | 1.2  | 4.6  | 16.4 | 5.0  | -    | -    | -   | -    | 0.8  | 53.7 | 40.6 | 0.1  | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | 0.2  | -   |     |
| 072150 Wagga Wagga AMO                  | 121.6 | 41  | 27.4 | 31.4 | -    | -    | 1.8  | 6.4  | 5.2  | -    | -    | -   | -    | 0.2  | 0.6  | 15.4 | 21.4 | 11.8 | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 072160 Albury Airport AWS               | 66.2  | -   | 15.2 | 22.8 | 0.2  | -    | 6.6  | 4.2  | 1.8  | -    | -    | -   | -    | -    | 10.6 | 4.8  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 072161 Cabramurra SMHEA AWS             | 88.4  | -   | 10.4 | 49.0 | -    | -    | 1.8  | 1.2  | 20.8 | -    | -    | -   | -    | 1.4  | 3.8  | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 073054 Wyalong Post Office              | 56.7  | 41  | 10.2 | 20.3 | -    | -    | 15.6 | -    | -    | -    | -    | -   | -    | 5.0  | 1.0  | 4.6  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 074258 Deniliquin Airport AWS           | 58.6  | -   | 22.4 | 12.0 | -    | -    | 10.6 | 9.2  | 3.0  | -    | -    | -   | -    | -    | 1.4  | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 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                  | 6.0   | 22  | -    | -    | -    | -    | 1.2  | 1.0  | -    | -    | -    | -   | -    | -    | 1.4  | 0.8  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | 1.6 | -   | -   | -    | -   |     |
| 077008 Birchip (Woodlands)              | 9.0   | 25  | -    | -    | -    | -    | 9.0  | -    | -    | -    | -    | -   | -    | -    | -    | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 078015 Nhill Aerodrome                  | 19.0  | -   | -    | -    | -    | -    | 18.6 | 0.4  | -    | -    | -    | -   | -    | -    | -    | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 079082 Horsham                          | 21.6  | 33  | -    | -    | -    | -    | 19.0 | »    | 0.4  | -    | -    | -   | -    | -    | -    | -    | -    | -    | -   | -   | 0.4 | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | 1.8 |     |
| 080023 Kerang                           | 16.0  | 30  | -    | 1.6  | -    | -    | 11.8 | 2.4  | -    | -    | -    | -   | -    | 0.2  | -    | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 081123 Bendigo Airport                  | 34.4  | -   | -    | 1.6  | -    | -    | 29.8 | 1.6  | 0.2  | -    | -    | -   | -    | -    | -    | -    | -    | -    | -   | -   | 0.2 | -   | 1.0 | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 082039 Rutherglen Research              | 12.2  | 42  | -    | -    | -    | -    | -    | -    | -    | 0.2  | -    | -   | -    | 11.6 | 0.2  | 0.2  | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -    | -   |     |
| 083085 Mount Hotham                     | 130.2 | -   | 14.4 | 22.8 | 4.4  | 0.4  | 7.0  | 39.0 | 5.2  | 0.2  | -    | -   | 4.0  | 14.0 | 15.6 | -    | 0.2  | -    | -   | 0.2 | 0.2 | -   | 1.8 | -   | -   | -   | -    | -   | 0.2 | -   | -    | 0.6 |     |
| 084016 Gabo Island Lighthouse           | 78.4  | 86  | -    | 11.2 | 0.4  | 8.2  | 1.8  | 4.4  | -    | 3.6  | -    | -   | 12.2 | 17.6 | 15.6 | 0.2  | 1.2  | -    | -   | -   | -   | 0.8 | 0.2 | -   | -   | -   | -    | -   | -   | -   | 0.8  | 0.2 |     |
| 084145 Orbost                           | 89.4  | -   | 14.8 | 6.6  | 0.4  | 0.2  | -    | 1.2  | -    | 0.4  | -    | -   | 7.0  | 7.2  | 34.6 | -    | -    | -    | -   | -   | -   | 8.6 | -   | -   | -   | -   | -    | 3.6 | 4.8 | -   | -    | -   |     |
| 085072 East Sale Airport                | 44.2  | 59  | -    | 16.6 | -    | -    | 4.8  | 0.4  | 4.8  | 0.2  | -    | -   | -    | 5.8  | 1.0  | 3.0  | -    | -    | -   | -   | -   | 1.4 | 5.8 | -   | -   | -   | -    | -   | -   | 0.4 | -    | -   |     |
| 085096 Wilsons Promontory Lighthouse    | 32.4  | 66  | 3.8  | -    | -    | -    | 0.8  | 2.8  | 0.2  | -    | -    | -   | 2.2  | 7.8  | -    | -    | -    | -    | -   | -   | 1.8 | 8.0 | -   | 0.6 | 0.2 | 0.2 | -    | 3.6 | 0.4 | -   | -    | -   |     |
| 087031 Laverton RAAF                    | 39.0  | 49  | 2.6  | -    | 1.4  | -    | 16.8 | 12.2 | -    | 0.2  | -    | -   | 2.8  | -    | 0.6  | -    | -    | -    | -   | -   | 0.4 | 1.4 | -   | -   | -   | -   | -    | -   | 0.6 | -   | -    | -   |     |
| 087184 Breakwater (Geelong Racecourse)  | 16.0  | -   | -    | -    | 0.2  | -    | 10.8 | 4.4  | -    | -    | -    | -   | -    | -    | -    | -    | -    | -    | -   | -   | -   | -   | -   | -   | -   | -   | 0.2  | 0.4 | -   | -   | -    | -   |     |
| 089002 Ballarat Aerodrome               | 14.8  | 54  | -    | -    | -    | 0.2  | 7.0  | 1.4  | 0.2  | -    | -    | -   | 1.2  | -    | 0.4  | 0.2  | -    | -    | -   | 0.4 | -   | 2.2 | 0.2 | -   | -   | -   | -    | 1.4 | -   | -   | -    | -   |     |
| 090015 Cape Otway Lighthouse            | 25.8  | 68  | 0.2  | 0.8  | -    | -    | 2.0  | 2.6  | 2.4  | -    | -    | 0.6 | 1.4  | 0.6  | -    | -    | -    | -    | -   | -   | 0.2 | 1.8 | 3.4 | -   | 0.2 | 0.2 | -    | 7.4 | 0.8 | -   | 1.0  | 0.2 |     |
| Tasmania                                | 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  |     |
| 091009 Burnie (Round Hill)              | 35.4  | 64  | 7.4  | -    | 2.6  | -    | -    | 2.6  | 0.2  | -    | -    | -   | -    | 3.2  | 0.4  | -    | -    | -    | -   | -   | -   | 0.8 | 1.8 | -   | -   | -   | 6.8  | 2.4 | 3.6 | -   | -    | 3.6 |     |
| 091126 Devonport Airport                | 22.0  | 56  | 0.6  | -    | 2.8  | -    | -    | 9.0  | -    | -    | -    | -   | -    | 1.6  | 1.0  | 0.2  | -    | -    | -   | -   | 3.5 | -   | -   | -   | -   | -   | 2.7  | -   | -   | 0.6 | -    | -   |     |
| 091293 Low Head                         | 29.8  | -   | 0.8  | 0.2  | 1.8  | -    | -    | 8.0  | -    | -    | -    | -   | -    | 4.4  | 6.4  | 0.2  | -    | -    | -   | -   | -   |     |     |     |     |     |      |     |     |     |      |     |     |