



Australian Government  
Bureau of Meteorology

# Monthly Weather Review Australia February 2019



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

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

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

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## Units of measurement

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

## Observation times and periods

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

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

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

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

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

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

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

## Climatological values

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

## Records

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

## Maps

The temperature and rainfall maps are intended to give an overview of the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, covering the whole country and smaller regions can be found at [www.bom.gov.au/climate/maps](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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Publishing Unit, Bureau of Meteorology, GPO Box 1289, Melbourne VIC 3001

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## Cover photograph

Aerial view of the flooded Norman River, near Normanton, just south of the Gulf of Carpentaria.

Photograph by Philip Keough, 27 February 2009. Used with permission.

# Overview

- Fourth-warmest February on record for Australia
- Both mean maximum and minimum temperature were above average for much of the country, but below average in western Queensland
- Rainfall for the month was below to very much below average for much of Western Australia, the Northern Territory, South Australia, southern Queensland, far western to northeastern to central coast New South Wales
- Rainfall very much above average in northern Queensland from the inland northwest to central coast, and for parts of western Cape York Peninsula

- Active monsoon trough and slow-moving tropical low produced extremely heavy rainfall and flooding in northern Queensland

The maximum, minimum and mean temperature for February for Australia nationally were all above average. It was particularly warm in the Northern Territory and Western Australia, with the mean monthly temperature both fourth-warmest on record for February.

Rainfall for the month was below average for Australia as a whole, despite very much above average rainfall in large parts of Queensland, which resulted in flooding. Parts of southeast Queensland and northeast New South Wales experienced a record dry February.

## Areal averages in February 2019

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	-36%	+2.05 °C 5th-highest	+0.71 °C	+1.38 °C 4th-highest
Western Australia	-69%	+3.08 °C 3rd-highest	+1.03 °C 8th-highest	+2.05 °C 4th-highest
Northern Territory	-64%	+2.77 °C 4th-highest	+0.96 °C equal 5th-	+1.87 °C 4th-highest
South Australia	-92% 9th-lowest	+1.73 °C	-0.22 °C	+0.76 °C
Queensland	+21%	+0.60 °C	+0.45 °C	+0.52 °C
New South Wales	-60%	+1.77 °C	+1.13 °C	+1.45 °C
Victoria	-29%	+0.72 °C	+0.45 °C	+0.59 °C
Tasmania	+18%	-0.50 °C	+0.05 °C	-0.22 °C

## Extremes in February 2019

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	47.6 °C at Learmonth Airport (WA) on the 25th	-3.0 °C at Mount Hotham (Vic.) on the 13th	419.0 mm* at Ingham Composite (Qld) on the 3rd	35.6 °C at Paraburdoo Aero (WA)	8.8 °C at kunanyi (Mount Wellington Pinnacle) (Tas.)	1986.7 mm at Paluma Ivy Cottage (Qld)	130 km/h at Maatsuyker Island Lighthouse (Tas.) on the 12th
Western Australia	47.6 °C at Learmonth Airport on the 25th	4.5 °C at Eyre on the 20th	94.0 mm at Home Valley on the 8th	35.6 °C at Paraburdoo Aero	19.2 °C at North Walpole	226.3 mm at Kachana	115 km/h at Broome Airport on the 16th
Northern Territory	46.4 °C at Walungurru Airport on the 19th	13.6 °C at Alice Springs Airport on the 15th	108.4 mm at Central Waterhouse on the 4th	34.9 °C at Walungurru Airport	28.4 °C at Central Arnhem Plateau	266.2 mm at Jabiru Airport	115 km/h at Tindal RAAF on the 23rd
South Australia	44.7 °C at Port Augusta Aero on the 3rd	3.5 °C at Cummins Aero on the 14th	31.0 mm at Ashton on the 9th	30.8 °C at Moomba Airport	18.8 °C at Robe Airfield	44.0 mm at Ashton	91 km/h at Kuitpo Forest Reserve on the 12th
Queensland	44.1 °C at Bollon Mary St on the 19th	11.0 °C at Stanthorpe Leslie Parade on the 20th	419.0 mm* at Ingham Composite on the 3rd	31.7 °C at Thargomindah Airport	21.7 °C at Applethorpe	1986.7 mm at Paluma Ivy Cottage	113 km/h at Cape Moreton Lighthouse on the 22nd
New South Wales	43.9 °C at Menindee Post Office on the 18th	-2.7 °C at Perisher Valley AWS on the 14th	165.6 mm at Yarras (Mount Seaview) on the 22nd	30.3 °C at Wanaaring (Borrona Downs AWS)	11.3 °C at Thredbo AWS	285.8 mm at Yarras (Mount Seaview)	124 km/h at Thredbo AWS on the 12th
Victoria	43.6 °C at Hopetoun Airport on the 3rd	-3.0 °C at Mount Hotham on the 13th	91.0 mm at Cann River on the 6th	24.4 °C at Kerang	11.7 °C at Mount Baw Baw	132.0 mm at Cann River	111 km/h at Wilsons Promontory Lighthouse on the 9th
Tasmania	35.5 °C at Friendly Beaches on the 3rd	-2.6 °C at Liawenee on the 1st	76.2 mm at Cornwall on the 7th	18.6 °C at Flinders Island Airport	8.8 °C at kunanyi (Mount Wellington Pinnacle)	340.6 mm at Mount Read	130 km/h at Maatsuyker Island Lighthouse on the 12th

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

\*there were reports of higher totals at non-standard gauges outside of the Bureau's primary network

# Significant weather

## Flooding across northern Queensland

An active monsoon trough, and a slow-moving low pressure system produced extremely heavy rainfall in tropical Queensland from late January into early February, causing flooding on Queensland's tropical coast between Daintree and Mackay, and parts of the western Peninsula and Gulf coast (see Special Climate Statement *An extended period of heavy rainfall and flooding in tropical Queensland*).

Flooding was extensive and long-lived in the Gulf Country as a low embedded on the monsoon trough produced very heavy rainfall, with major flooding at Walkers Bend on the Flinders River by 2 February. Floodwaters in the Flinders River spilled into neighbouring catchments and spread across an area some 70 km wide and an estimated 15 000 km<sup>2</sup> or more in total area. The low, previously stalled in the southern Gulf Country at the start of February, weakened and moved slowly northeast through the Cape York Peninsula base from the 5th, and finally dissipated by the 8th. Across the northern interior of Queensland, the highest daily rainfall totals were observed from Julia Creek to Richmond.

Major flooding occurred in a number of Gulf Rivers, including the Cloncurry, Leichardt, Flinders, and Norman rivers. As well as flooding in the Burdekin, Ross, Bohle, Haughton, and Herbert rivers, and Black River, and Bluewater Creek.

In the seven days to 4 February, Townsville Aero recorded 1016.8 mm, and 1221.6 mm in the ten days to 8 February. Prior to this event, the Townsville record for a 7-day period was 886.2 mm (January 1998) and for a 10-day period was 925.5 mm (January 1953). The multi-day rainfall totals at Townsville Aero exceeded site records for February at all durations from two to twelve days, with the accumulations for six or more days being records for any month.

## Heatwaves in northern tropical Queensland

A low-intensity heatwave towards the end of the month affected parts of Queensland's tropical coast from around the 20th. Although conditions were less extreme than those experienced between December 2018 and January 2019, a few records were set across northern Australia, particularly along tropical coastal Queensland.

## Extreme temperatures in the Northern Territory

Temperatures at Rabbit Flat in the central west of the Northern Territory exceeded 39 °C on every day of the summer. This is the first instance of an entire

summer with days over 39 °C happening at any Australian station; the previous record long run of such hot summer days was 84 at Marble Bar in inland Pilbara in Western Australia from 1 December 1921 to 22 February 1922, and from 8 December 1923 to 29 February 1924

## Severe tropical cyclone *Oma*

Tropical cyclone *Oma* formed near Vanuatu on the 12th and tracked southwest towards southern Coral Sea late in February then weakened to below cyclone intensity on the 23rd. Although *Oma* remained well offshore, the system caused gale force winds, king tides, coastal erosion and inundation of low-lying areas in coastal southeast Queensland. The strongest wind gust of 113 km/h was recorded at Cape Moreton Lighthouse (Moreton Island) on the 22nd. Tropical cyclone *Oma* also contributed to damaging surf which produced coastal erosion in New South Wales.

## Bushfires across Australia

Widespread warm and dry conditions, on top of well below average rainfall over multiple months (see Drought Statement), contributed to the ignition or continuation of a number of significant fires during the month.

In New South Wales there were two significant fires in the northeast of the State; at Tingha where 13 homes were burnt, and at Tabulam, west of Casino. There was a fire during the second half of February in South West Western Australia, in the shires of Donnybrook-Balingup and Nannup. Several significant fires which had started in January in Victoria in Gippsland and near Mount Baw Baw continued to burn throughout the month, while a fire near Walhalla started in late February.

In Tasmania, fires which had been burning since late December or mid-January remained alight, but contained, in inaccessible terrain. An approaching cold front directed very strong northwesterly winds across Tasmania on the 27th, pushing temperatures into the mid-twenties in the southeast. Maximum wind gusts reached 96 km/h in Hobart and 113 km/h at Cape Bruny. The warm and very windy conditions, in addition to dry vegetation and soil, saw bush fires flare near Tea Tree, Cygnet, Judbury, Ouse and Campania. The fire at Tea Tree burnt 600 ha.

In addition to the fires, the strong winds caused some damage to property (part of a veranda was detached from a property in Berriedale) and downed trees and power lines, leaving thousands of premises without power across Tasmania. A power pole across the Brooker Highway saw the road closed for 2 hours.

## Dust and smoke in eastern Australia

A gusty front associated with a line of thunderstorms developed over the western parts of Victoria on the 6th. Winds in excess of 70 km/h resulted in dust storms in Birchip, Kerang, Swan Hill and Wycherproof. The SES received more than 200 calls for help, mostly for fallen trees, powerlines and building damage.

Smoke from the fires, and dust raised from the parched interior of Australia, saw periods of reduced air quality over eastern Australia. Southern Tasmania experienced poor air quality from mid-January to early February, including at locations well removed from the actual fires, while smoke from northwestern Tasmania also reached Victoria in the first week of February.

There were several dust storms during February, the most notable was on the 12th when dust stretched around 1500 km from southwestern Queensland into southeastern Australia, affecting northern Victoria, Canberra, and crossing New South Wales before extending well offshore from the central coast as the associated trough and frontal system tracked out to sea.

## Severe thunderstorms in Victoria

Thunderstorms across Victoria during the evening of 6 February led to more than 200 requests for assistance from the SES, mostly relating to building damage around Bendigo and Ararat. Power outages affected

around 13 000 premises in the west and central regions of the State, and the northern suburbs of Melbourne. Large hail up to 3 cm was reported in northern suburbs and the metropolitan area.

## Severe thunderstorms in Western Australia

Thunderstorms produced a number of severe wind gusts in the Kimberley and Pilbara during February, with storms on the 6th and 8th bringing isolated moderate to heavy rainfall. The highest wind gust during February was 115 km/h at Broome Airport on the 16th.

A severe wind gust of 94 km/h was recorded at Kalgoorlie-Boulder in the Goldfields district. Several towns in the Central Wheatbelt district were impacted by flash flooding and damaging winds on the 6th and 7th, with over 80 km/h wind gusts recorded at Dalwallinu on both days.

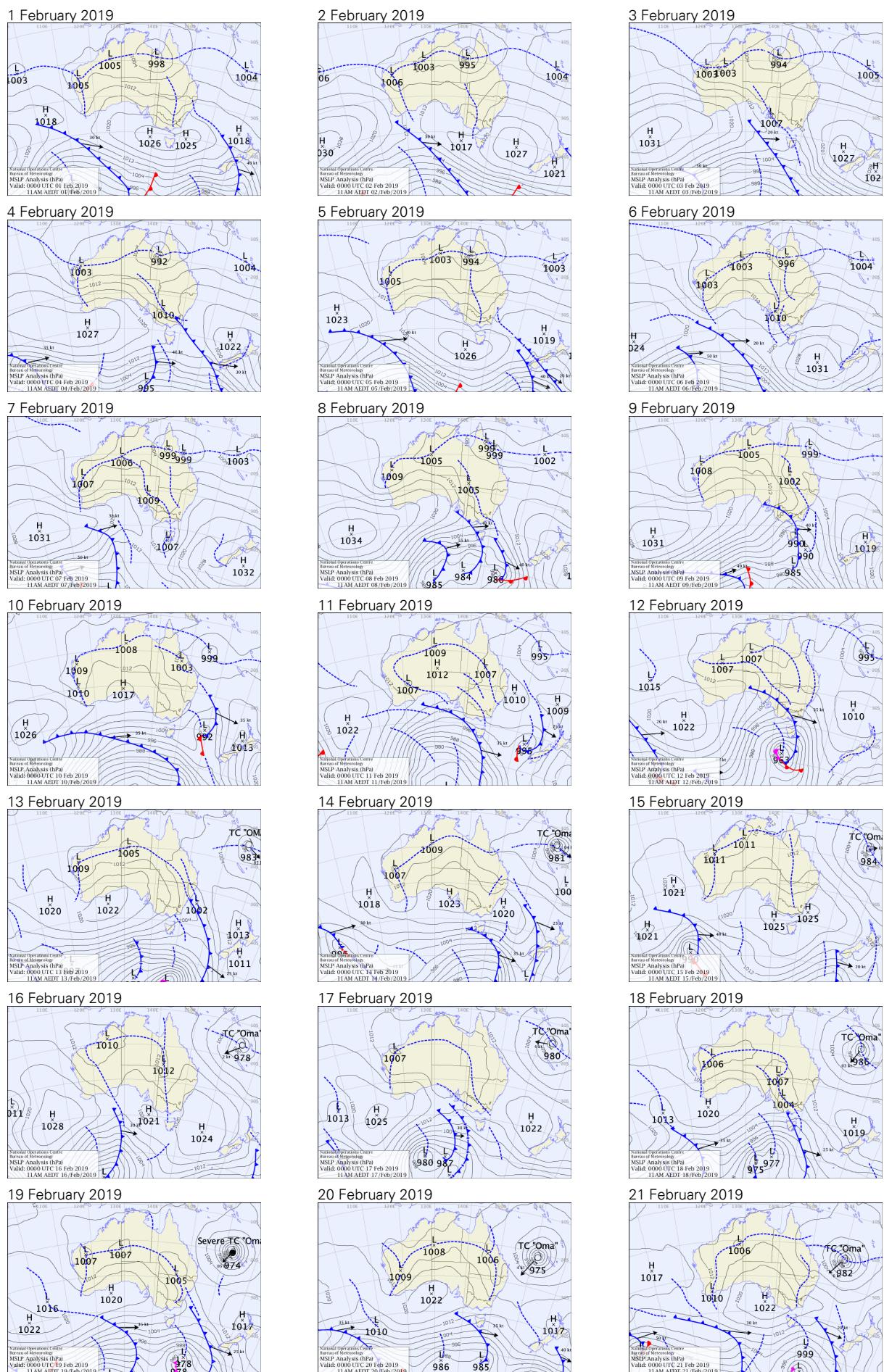
## Severe thunderstorms in Sydney

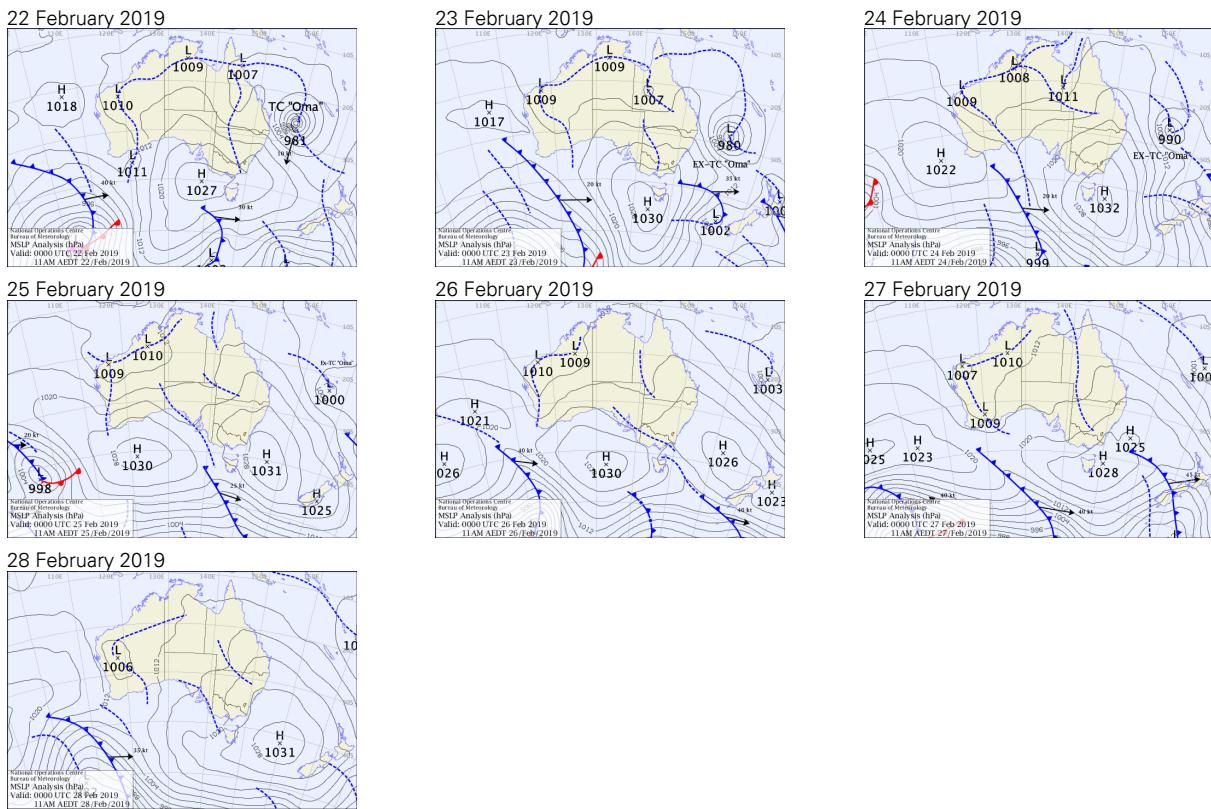
Thunderstorms developed across the Sydney area on the 8th, with reports of small hail, building and tree damage and flash flooding.

On the 9th, severe thunderstorms again impacted Sydney with reports of hail up to 3 cm and strong winds up to 67 km/h were recorded at Sydney Airport.

Storms across the Northern Tablelands and Mid North Coast districts, also on the 9th, produced hail in Westdale, Tamworth.

# Synoptic analyses and summary





## Synoptic summary

The first few days of the month saw a ridge of high pressure along Australia's east coast, ahead of a trough and weak cold front moving through the southeast, though fine conditions experienced for most of New South Wales, Victoria and Tasmania.

At the same time, an active monsoon trough was present across northern Australia. An embedded deep tropical low, within the monsoon trough, was near stationary over the northwest interior of Queensland. By the 8th, the low pressure system dissipated about the eastern Cape York Peninsula while another tropical low developed near the north tropical coast.

The coastal low moved east into the Coral Sea and later developed into tropical cyclone *Oma* near

Vanuatu late on the 12th. *Oma* tracked slowly southwest towards the southeast coast of Queensland over the next 11 days and weakened to a tropical low on the 23rd.

Broad areas of low pressure featured across western, northern and eastern parts of the country during various times of the month.

Several cold fronts tracked over southern regions of Australia during the month.

The last week of February saw a high pressure system in the Tasman Sea that directed an onshore flow onto the New South Wales and Queensland coasts.

# Temperatures

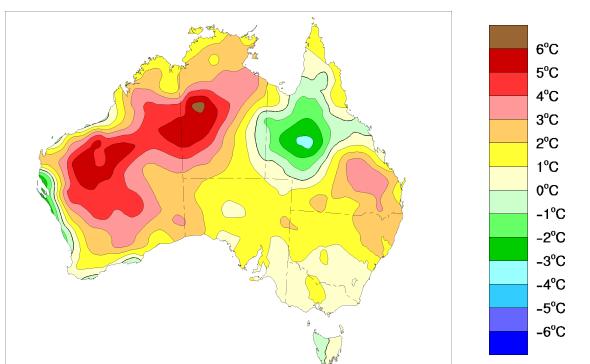
The national mean temperature was fourth-warmest on record, at 1.38 °C above average. Maximum temperatures were 2.05 °C above average and was fifth-warmest on record. Minimum temperatures were 0.71 °C above average.

February was warmer than average for much of Australia. It was particularly warm in the Northern Territory and Western Australia, where the mean monthly temperature was fourth-warmest on record for February.

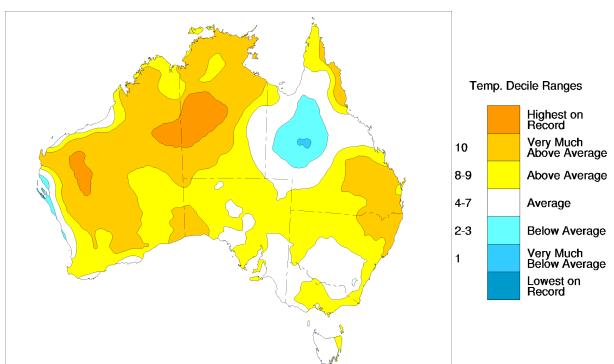
## Maximum temperatures

Maximum temperatures were above to very much above average over most of Western Australia except along most of the coastal margin from Broome to Southeast Coast District; across nearly the entire Northern Territory; most of South Australia except for the southeast and parts of the central south; northern, western, and coastal New South Wales; most of Victoria except the west and northeast; northeastern Tasmania; along the east coast of Cape York Peninsula, and across southern Queensland and the Central Highlands and Coalfields and Central Coast districts.

### Anomalies of mean daily maximum temperature in February 2019



### Decile rank of mean daily maximum temperature in February 2019



Near average mean maximum temperatures were observed across much of Tasmania, western and northeastern Victoria, southern New South Wales except along the coast, and southeastern and parts of central southern South Australia. Cooler than average days were observed across a large area of Queensland in the Northwest and Gulf Country districts as a result of above average rainfall.

It was cool across the western interior and northwest region of Queensland and through the eastern Northern Territory at the beginning of the month as thick cloud cover caused daytime temperatures 12 degrees cooler than average. Meanwhile a combination of a high pressure system over the Bight and a trough over western New South Wales directed warm, humid air across southern parts of the Country from the 3rd.

The passage of several cold fronts between the 9th and 12th produced a period of cool across southern regions of Australia, with some areas experiencing days up to 10 degrees cooler than average. The lowest daily maximum temperature for February was 3.5 °C, recorded at Mount Read in Tasmania on the 12th and Mount Baw Baw in Victoria on the 13th.

Raised dust ahead of a gusty frontal system that tracked over the southeastern corner of Australia on the 12th affected a large area reaching from southwestern Queensland, across New South Wales and Canberra, and across northern Victoria.

From around the 15th, a broad trough arched across western, northern and eastern parts of the country and remained a feature for much of the second half of the month. Warm conditions associated with this trough propagated from southern Western Australia across the country and through New South Wales and southeast Queensland until the 22nd.

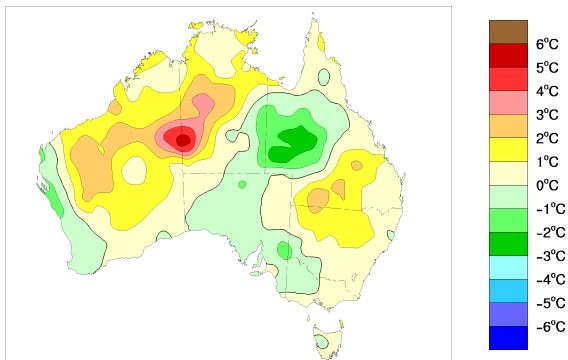
The last few days of the month ended in heatwave conditions for southern Western Australia, southern South Australia and southern Victoria as a high pressure system moved over the Bight and directed hot air across southern Australia. The highest daily maximum temperature for February was 47.6 °C at Learmonth Airport in Western Australia on the 25th.

## Minimum temperatures

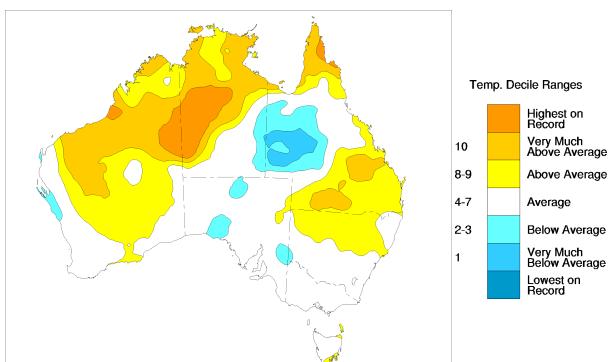
The mean minimum temperature for the month was warmer than average for much of Western Australia except near the west coast and southeast of the State; for most of the Northern Territory except the southeastern quarter; across the Cape York Peninsula and for a large part of Queensland south of a line

between the Central Coast and the far southwest; and across the north of New South Wales.

### Anomalies of mean daily minimum temperature in February 2019



### Decile rank of mean daily minimum temperature in February 2019



Cooler than average minima were observed in a large area of western Queensland and adjacent regions across the border of the Northern Territory; for areas of South Australia in the Riverland District, west of Ceduna on the coast, and near Oodnadatta; and in a

pocket on the west coast of Western Australia between about Shark Bay and Geraldton.

During the first week of February, nights were warm across most of Australia, particularly for the southeast corner of the country extending to southern Queensland, with minimum temperatures greater than 8 degrees above average. This warmth was a result of a high pressure system in the Tasman Sea extending a ridge along the New South Wales coast and a deep inland trough directing warm air across the regions.

From the 9th, a series of cold fronts tracked across southern Australia and generated cooler than average nights across southern Western Australia, much of South Australia, southern parts of the Northern Territory, New South Wales, interior areas of Queensland, Victoria and Tasmania.

Cloudless nights brought cooler than average temperatures for a large area of western Queensland and adjacent regions across the border of the Northern Territory, large areas of South Australia and along the west coast of Western Australia from around the 13th. The lowest daily minimum for the month,  $-3.0^{\circ}\text{C}$ , was recorded at Mount Hotham in the Victorian Alps on the 13th.

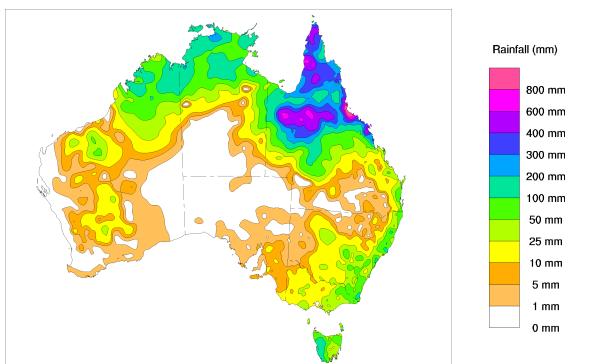
Warm daytime temperatures preceded warm nighttime temperatures on the 18th, and minima reached more than 8 degrees above average in central New South Wales.

Nights were milder for the rest of the month until the 26th when heatwave conditions saw warm overnight temperatures across southern Western Australia.

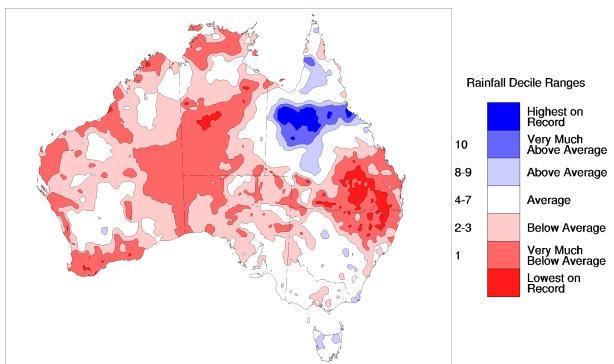
# Rainfall

February rainfall was below or very much below average across the southeastern quarter of Queensland and inland south of the State; the northeastern third of New South Wales and around the northern and western borders of the State; most of South Australia away from the southeast; nearly all of the Northern Territory; and most of Western Australia except areas of the inland west. Rainfall was near-average for much of southeastern Australia.

## Total rainfall in February 2019



## Decile rank of total rainfall in February 2019



Above average rainfall was experienced in large areas of Queensland, on the west of Cape York Peninsula, and across northern Queensland from the inland northwest to the east coast around Townsville, and extending into the Central West District. Total rainfall for the month was highest on record for a large area of northwestern Queensland.

At the start of the month an onshore flow produced thunderstorms along the central coast of New South Wales on the 2nd. Further thunderstorms and showers developed near a pre-frontal trough that tracked across the country and light to moderate falls were recorded in parts of southern New South Wales, eastern Victoria, and western Tasmania from the 6th.

Seasonal thunderstorms occurred across northern Australia throughout the month, with a surface trough generating moderate falls over the Top End in the

Northern Territory, the Kimberley and Southern Interior and Goldfields districts in Western Australia in the first week.

A slow-moving monsoon trough generated widespread rain and thunderstorms over the tropics, with locally heavy falls over much of northern Queensland. An embedded low pressure system over northwest Queensland produced very heavy falls around the Gulf Country and northern interior. In the east, particularly heavy falls were recorded from Ingham to Ayr until the 7th, with the highest daily rainfall for Australia, 419.0 mm, recorded at Ingham Composite on the 3rd.

From the 11th, a pair of strong cold fronts tracked across the southeast of Australia and rainfall was recorded across western and northern Tasmania, and in southern parts of Victoria. Along the east coast of Queensland a surface trough generated showers and thunderstorms for southeast Queensland.

Tropical cyclone *Oma* was named on the 12th, well off the east coast of Queensland. *Oma* remained well offshore and had very little impact on the mainland in terms of rainfall, but generated large waves and dangerous surf conditions along the southeast coast of Queensland.

As the month progressed, surface troughs extended across various parts of the country and produced moderate falls including along the west coast of Western Australia, northern Australia and through inland Queensland and New South Wales.

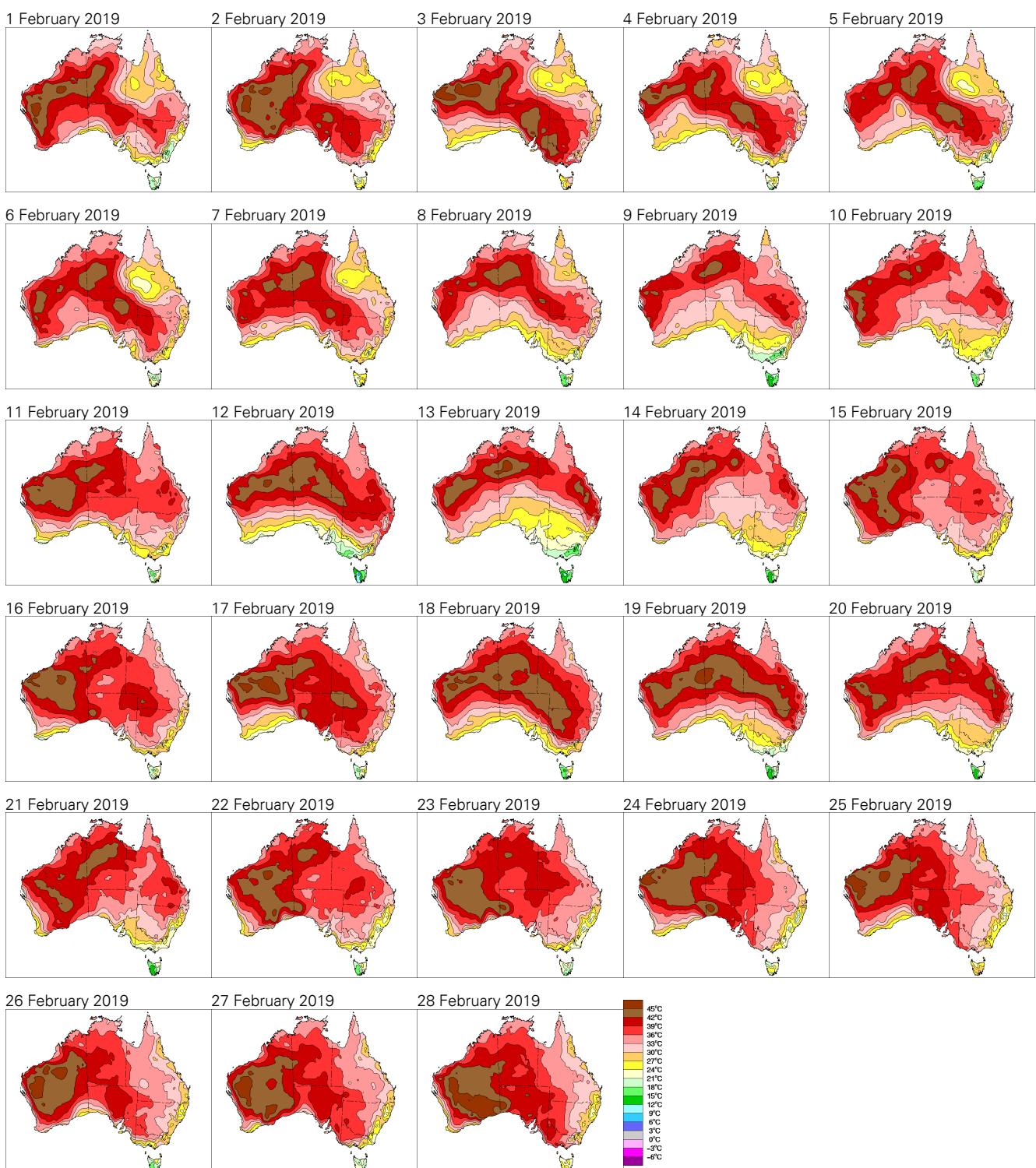
Around the 16th, a pair of troughs deepened over northern and eastern Australia and rainfall was recorded in western Kimberley, the northwest of the Northern Territory and parts of Cape York Peninsula. An upper-level trough combined with this trough in the east and produced moderate to locally heavy falls across central and southeast Queensland, and around the Greater Sydney region. At the same time, a weak cold front crossed Tasmania on the 17th.

In the last week of the month, a high pressure system moved into the Tasman Sea and extended a ridge along the east coast. The moist onshore flow generated from this ridge combined with a surface trough inland of the east coast and generated moderate falls for southeast Queensland and along the New South Wales coastline between the 20th and 23rd.

An onshore flow in the last few days of the month produced light to moderate falls along the northeast to central coasts of New South Wales.

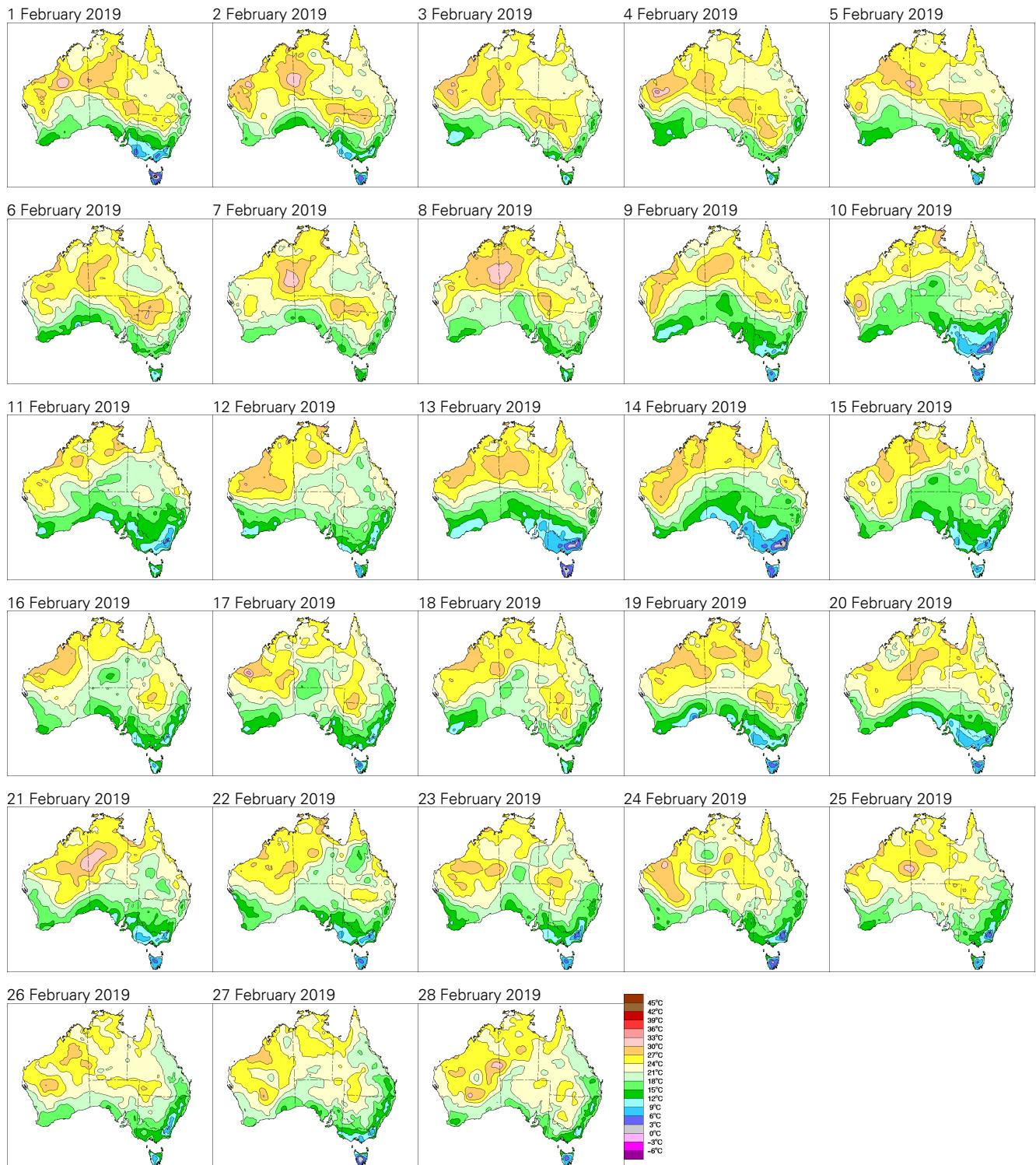
# Daily maps

## Daily maximum temperature maps



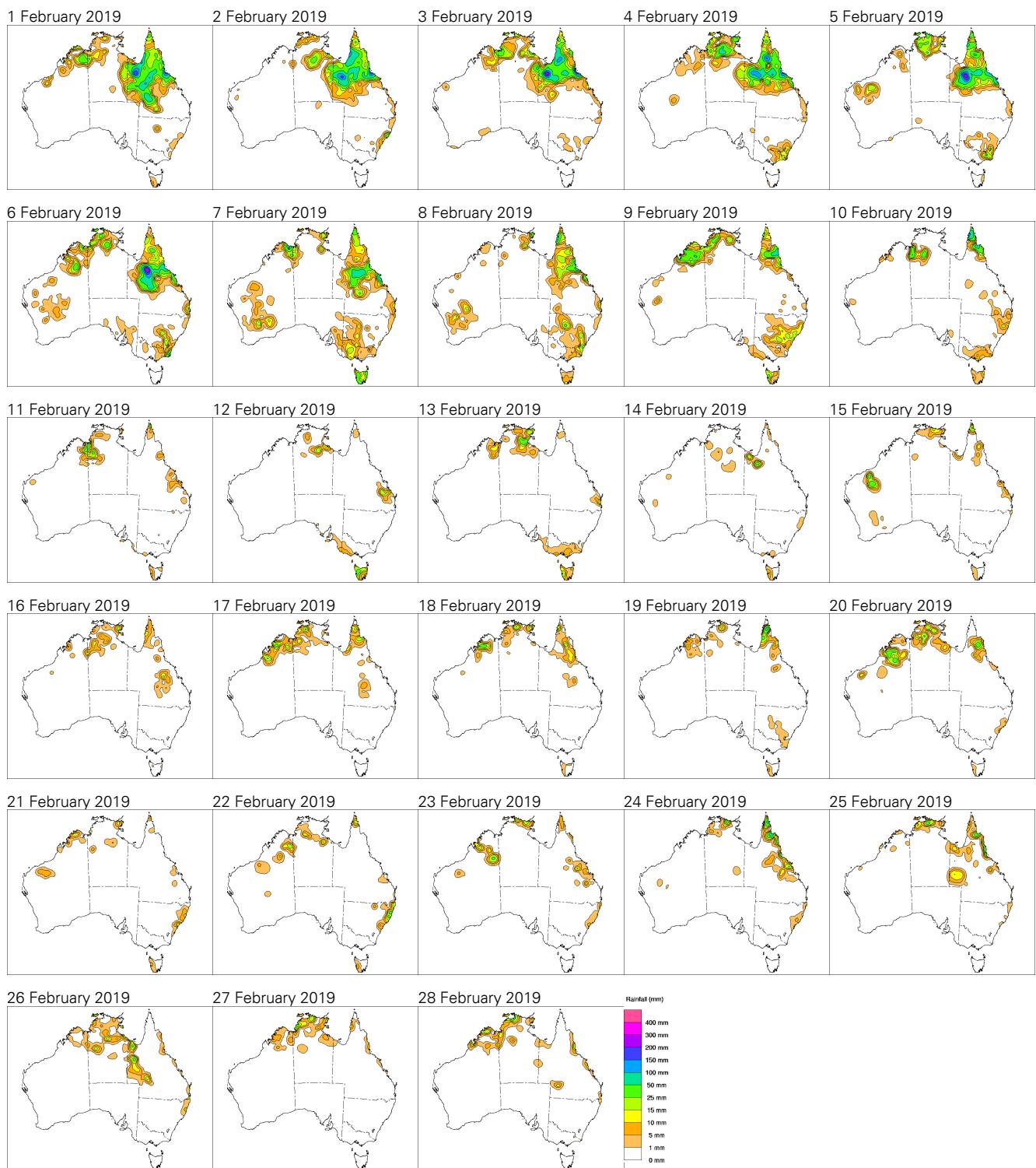
These maps are intended to give an overview of daily maximum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables,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

## Daily minimum temperature maps



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## Daily rainfall maps



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# Records

## Record highest February daily maximum temperature

		New record	Old record	Years of record
Western Australia				
012038	Kalgoorlie-Boulder Airport	45.3 on 28th	44.9 on 17th in 2013	78
Northern Territory				
014508	Gove Airport	36.7 on 22nd	35.7 on 11th in 1990	41
Queensland				
031011	Cairns Aero	39.5 on 21st	38.9 on 12th in 1969	77
032004	Cardwell Marine Pde	41.8 on 21st	40.4 on 12th in 1969	63
032025	Innisfail	40.8 on 21st	38.8 on 13th in 1969	62
032037	South Johnstone Exp Stn	40.5 on 21st	39.6 on 12th in 1992	53
032141	Lucinda Point	38.5 on 20th	36.6 on 11th in 2005	31

## Record highest February mean maximum temperature

		New record	Old record	Years of record
Western Australia				
007045	Meekatharra Airport	41.6	41.5 in 1991	69
Queensland				
039314	Seventeen Seventy	31.2 =	31.2 in 2017	32
New South Wales				
056018	Inverell Research Centre	32.3	32.0 in 2017	62

= indicates the new record equals the old one.

## Highest February mean maximum temperature for at least 30 years

		Observed this month	Most recent higher
Northern Territory			
014704	McArthur River Mine Airport	39.2	39.9 in 1983 *
015131	Elliott	40.6	40.9 in 1986 *
015135	Tennant Creek Airport	39.8	40.2 in 1986
New South Wales			
058012	Yamba Pilot Station	29.2	29.4 in 1892 *

\* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.

## Record lowest February mean maximum temperature

		New record	Old record	Years of record
Western Australia				
006044	Denham	29.2	29.3 in 2018	31

### Record lowest February daily minimum temperature

		New record	Old record	Years of record
Western Australia				
008251	Kalbarri	11.1 on 22nd	11.9 on 26th in 2009	46
New South Wales				
073014	Grenfell (Manganese Rd)	5.8 on 14th =	5.8 on 21st in 2017	53
Victoria				
088109	Mangalore Airport	3.0 on 13th	3.5 on 20th in 2017	61
		<i>= indicates the new record equals the old one.</i>		

### Record lowest February mean minimum temperature

		New record	Old record	Years of record
Western Australia				
006044	Denham	20.5 =	20.5 in 1994	31
		<i>= indicates the new record equals the old one.</i>		

### Record highest February daily minimum temperature

		New record	Old record	Years of record
Western Australia				
002032	Warmun	30.2 on 15th	30.1 on 6th in 1964	56
200790	Christmas Island Aero	25.8 on 26th	25.7 on 28th in 1988	46
Northern Territory				
015131	Elliott	29.2 on 12th	28.7 on 21st in 1992	38
Queensland				
031037	Low Isles Lighthouse	29.3 on 21st	29.2 on 3rd in 1990	51
New South Wales				
200288	Norfolk Island Aero	24.7 on 23rd	24.4 on 19th in 2018	80

### Record highest February mean minimum temperature

		New record	Old record	Years of record
Western Australia				
001007	Troughton Island	28.1	27.9 in 2016	40
003030	Bidyadanga	28.1	27.5 in 2007	60
Northern Territory				
014015	Darwin Airport	26.0 =	26.0 in 1964	79
014508	Gove Airport	25.8	25.5 in 2016	41
014840	Wave Hill	25.8 =	25.8 in 1983	45
015131	Elliott	26.0	25.2 in 1983	38
Queensland				
028008	Lockhart River Airport	24.9	24.4 in 2016	54
		<i>= indicates the new record equals the old one.</i>		

### Highest February mean minimum temperature for at least 30 years

		Observed this month	Most recent higher
Northern Territory			
014704	McArthur River Mine Airport	26.1	27.0 in 1983 *
<i>* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.</i>			

### Record highest February mean temperature

		New record	Old record	Years of record
Northern Territory				
014840	Wave Hill	33.2	33.1 in 1989	45
015131	Elliott	33.3	33.0 in 1986	38
Queensland				
028008	Lockhart River Airport	28.9	28.7 in 2016	54

### Highest February mean temperature for at least 30 years

		Observed this month	Most recent higher
Northern Territory			
014015	Darwin Airport	29.5	29.6 in 1964
014704	McArthur River Mine Airport	32.6	33.5 in 1983 *
015135	Tennant Creek Airport	33.0	33.8 in 1986
New South Wales			
058012	Yamba Pilot Station	25.4	25.8 in 1886 *
<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 February mean temperature

		New record	Old record	Years of record
Western Australia				
006044	Denham	24.8	25.2 in 1994	31

### Lowest February mean temperature for at least 30 years

		Observed this month	Most recent lower month
Queensland			
038003	Boulia Airport	29.1	28.0 in 1979

### Record highest February daily rainfall

		New record	Old record	Years of record
<b>Queensland</b>				
029005	Bunda Bunda	177.0 on 6th	168.7 on 1st in 1911	98
029030	Lands End Station	285.0 on 4th	155.2 on 13th in 2000	99
029036	Millungera Station	161.5 on 5th	152.4 on 6th in 1964	110
029049	Werrina Station	240.0 on 5th	144.0 on 10th in 1995	74
029092	Brinard Station	231.0 on 5th	120.4 on 5th in 1976	61
029121	West Leichhardt Station	183.0 on 2nd	141.2 on 2nd in 1908	91
029126	Mount Isa Mine	101.0 on 2nd	94.0 on 17th in 1938	87
029127	Mount Isa Aero	123.2 on 2nd	86.8 on 1st in 1974	53
029131	Gereta Station	232.5 on 3rd	220.7 on 20th in 1936	31
029132	Manfred Downs Station	310.0 on 5th	274.0 on 11th in 2009	81
029150	Malvie Downs Station	168.8 on 5th	160.0 on 10th in 2009	32
030082	Gregory Springs Station	152.4 on 4th	138.8 on 16th in 2002	93
032023	Halifax Macrossan St	408.0 on 3rd	390.4 on 5th in 1899	121
032032	Macknade Sugar Mill	400.0 on 3rd	399.5 on 11th in 1927	122
032078	Ingham Composite	419.0 on 3rd	369.0 on 28th in 1978	52
<b>New South Wales</b>				
069041	Charleyong (Nerriga Road)	90.0 on 8th	69.2 on 23rd in 1977	69
<b>Victoria</b>				
084112	Cann River	91.0 on 6th	90.6 on 28th in 2007	44
<b>Tasmania</b>				
092051	Pyengana (Forest Lodge Road)	75.0 on 7th	73.2 on 23rd in 1964	57

### Record highest February total rainfall

		New record	Old record	Years of record
<b>Queensland</b>				
029005	Bunda Bunda	462.2	461.8 in 1894	115
029008	Cloncurry McIlwraith St	455.4	444.7 in 1895	131
029027	Kamarozi Station	509.0	423.1 in 1940	122
029030	Lands End Station	594.0	379.0 in 1979	99
029036	Millungera Station	569.0	542.9 in 1974	128
029049	Werrina Station	494.0	410.7 in 1940	72
029092	Brinard Station	562.6	412.0 in 2009	76
029121	West Leichhardt Station	405.0	340.4 in 1977	97
029127	Mount Isa Aero	278.2	251.8 in 2011	53
029131	Gereta Station	646.8	528.7 in 1936	31
029132	Manfred Downs Station	613.0	469.4 in 2009	104
029136	Farley Station	250.8	205.6 in 1977	31
029150	Malvie Downs Station	495.2	294.2 in 1993	30
030045	Richmond Post Office	526.6	450.5 in 1940	130
030082	Gregory Springs Station	542.0	442.6 in 1968	92
030088	Werrington Station	487.0	457.8 in 1956	61
032040	Townsville Aero	1009.0	960.8 in 2009	79
032064	Paluma Ivy Cottage	1986.7	1484.3 in 2009	49
033226	Lansdown CSIRO	782.7	728.9 in 1991	50

### Highest February total rainfall for at least 30 years

			Observed this month	Most recent higher month
Queensland				
029007	Canobie		308.0	477.0 in 1976 *
030090	Bagstowe Station		362.8	372.8 in 1971 *
032001	Bambaroo		1032.2	1152.1 in 1947 *
Tasmania				
091219	Scottsdale (West Minstone Road)		92.8	109.2 in 1989

\* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.

### Record lowest February total rainfall

		New record	Old record	Years of record
Western Australia				
001007	Troughton Island	3.4	8.4 in 1964	33
003001	Country Downs	20.4	44.4 in 1973	45
003041	Kilto Station	16.0	23.3 in 1973	37
003066	Port Smith	0.0	2.0 in 2010	41
007185	Paraburadoo Aero	0.8 =	0.8 in 1992	44
009591	Pardelup	0.4	0.5 in 2007	114
009605	Tenterden	0.8	1.8 in 1946	38
009661	Rocky Gully Town	0.0	0.6 in 1988	66
009848	Windrush	0.0	2.4 in 1988	59
009850	Carbarup	1.3	1.8 in 1996	31
009875	Mount Barker North	0.2	1.0 in 1988	35
010896	Yoorooga	1.0 =	1.0 in 2008	35
Northern Territory				
014183	Darwin River Dam	124.0	134.0 in 1989	48
014857	Suplejack	0.0	5.0 in 1984	38
015147	Walhallow	0.0	6.0 in 2012	36

= indicates the new record equals the old one.

### Record lowest February total rainfall

		New record	Old record	Years of record
Queensland				
035003	Ardurad	1.0	5.0 in 1987	68
035064	Spring Creek Station	2.6	10.6 in 2011	68
035088	Birraban	5.6	8.4 in 1969	68
035132	New Caledonia	2.0	4.8 in 1983	51
035194	Wyseby	5.4	8.9 in 1969	67
035217	Freitag	0.0	2.6 in 2017	45
039059	Lady Elliot Island	0.2	2.4 in 2006	79
039314	Seventeen Seventy	14.9	19.4 in 2017	31
040071	Lanark	0.0	2.0 in 2011	77
040394	Mount Barney	11.0	12.0 in 1987	51
040490	Carneys Creek The Ranch	16.8	24.8 in 2005	44
040759	Corbould Pk Racecourse	49.0	50.0 in 2017	31
041025	Dunmore State Forest	6.2	9.2 in 1974	80
041082	Pittsworth	0.0	0.8 in 1923	132
041085	Queen Mary Falls	31.8	34.2 in 2005	61
041106	Upper Forest Springs	0.0	6.4 in 1974	80
041131	Cooranga North	0.0	1.4 in 2014	58
041166	Springside	0.0	3.0 in 1974	60
041170	Aubigny Purrawunda	0.0	14.8 in 1968	30
041209	Sorrento	1.8	2.4 in 1989	58
041240	Hereward	0.0	4.0 in 1987	60
041275	Glenroy Massie	1.2	3.8 in 1987	61
041276	Glenrive	1.0	11.2 in 1969	61
041306	Tosari	0.0	2.1 in 1965	61
041314	Brookstead Post Office	0.0	1.8 in 1965	61
041323	Mandala	15.8	16.0 in 1987	48
041371	Melva	1.0	1.5 in 1930	99
041391	Woodspring	0.0	1.5 in 1965	63
041404	Ellangowan	0.0	5.6 in 1974	67
041456	Cunninghams Gap National Park	22.4	24.2 in 2016	42
041457	Coolmunda Dam	0.8	4.4 in 1983	43
041464	Oakington	14.8	33.8 in 2000	42
041469	Macalister	0.0	4.0 in 2014	48
041509	Traighli	0.0	1.1 in 2012	31
042022	Meandarra Post Office	0.0	0.8 in 1969	76
042023	Miles Post Office	0.0	0.3 in 1938	134
043080	Karoola Park	4.0	10.2 in 1963	65
043090	Beardmore Dam	0.0	5.0 in 1983	46
043091	Roma Airport	0.0	13.8 in 1987	34
044010	Bollon Mary St	0.0	0.3 in 1927	134
044137	Rosehill	0.0	5.6 in 2017	63
044175	Kincora	0.0	6.0 in 1982	46

= indicates the new record equals the old one.

### Record lowest February total rainfall

		New record	Old record	Years of record
New South Wales				
052067	Rowena Post Office	0.0	0.6 in 2015	51
052074	Pilliga (Lowana)	0.0	0.8 in 1986	40
053018	Croppa Creek (Krui Plains)	0.0	0.8 in 1943	105
053033	Pallamallawa Post Office	0.0	3.4 in 2015	107
053073	Kenebri (Ellerslie)	0.0	1.2 in 2017	53
053081	Kenebri (Cumbil)	0.0	5.6 in 1979	49
053085	Garah (Delvin)	0.0	3.1 in 1972	53
054045	Ashford (Springvale)	3.0	8.4 in 1974	58
054074	Oakwood (Benara)	4.4	7.3 in 2016	61
054114	Bundarra (Beverley)	0.0	1.0 in 2016	54
054125	Caroda (Roseberry Park)	4.4	8.2 in 1974	53
055024	Gunnedah Resource Centre	0.0	2.5 in 1960	72
055120	Attunga (The Pines)	3.0	3.4 in 1974	59
055245	Nundle (Keeva)	5.0	16.4 in 2000	31
055254	Manilla (Fern Hill)	4.0	4.4 in 2017	44
055311	Duri Post Office	4.8	11.2 in 1986	35
056006	Bundarra Post Office	0.0	5.0 in 1886	130
056032	Tenterfield (Federation Park)	2.2	3.8 in 1879	148
056052	Tenterfield (Mole Station)	0.0	1.3 in 1989	68
056094	Dundee (Wattle Dale)	9.0	13.6 in 2016	61
056098	Dundee (Karinga)	4.2	18.8 in 2014	61
056128	Swan Vale (Numeralla)	1.6	4.6 in 1979	62
056163	Mount Mitchell (Tirranna)	11.0	20.4 in 2016	55
056202	Black Swamp (Maxwell)	7.2	20.2 in 2016	41
056229	Guyra Hospital	8.6	20.6 in 2016	38
057095	Tabulam (Muirne)	36.6	39.4 in 2005	49

= indicates the new record equals the old one.

**Lowest February total rainfall for at least 30 years**

		Observed this month	Most recent lower month
<b>Western Australia</b>			
001010	Theda	65.0	48.3 in 1970 *
001025	Doongan	57.9	46.8 in 1988
003028	Anna Plains	0.7	0.0 in 1973
003030	Bidyadanga	0.8	0.0 in 1931 *
005022	Red Hill	4.4	0.0 in 1959 *
009500	Albany	0.9	0.5 in 1903
009520	Cape Riche	0.8	0.0 in 1987
009561	Kendenup	0.6	0.4 in 1988
009573	Manjimup	0.6	0.0 in 1928 *
009581	Mount Barker	1.3	0.8 in 1903
009599	Barrett Meadows	1.6	0.4 in 1987
010866	Cranham	0.2	0.0 in 1988
010897	Nalyerlup	1.2	0.0 in 1987
200284	Cocos Island Airport	12.4	6.6 in 1976
<b>Northern Territory</b>			
015085	Brunette Downs	6.2	0.0 in 1965
015135	Tennant Creek Airport	1.8	1.0 in 1989

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

**Lowest February total rainfall for at least 30 years**

		Observed this month	Most recent lower month
<b>Queensland</b>			
035018	Carnarvon Station	9.6	0.0 in 1935 *
035063	Somerby	15.0	7.4 in 1984
035069	Tambo Post Office	11.6	8.7 in 1982
035070	Taroom Post Office	2.8	2.6 in 1901 *
035090	Rewan Station	2.2	0.0 in 1932 *
035093	Mt Moffatt National Park	2.6	0.8 in 1974 *
035135	Hornet Bank Homestead	0.8	0.0 in 1915 *
035225	Cardbeign	5.0	2.0 in 1957
035272	Aqua Park	1.0	0.0 in 1987 *
039036	Eidsvold Post Office	5.7	0.7 in 1983
039073	Mundubbera	7.0	0.0 in 1983
039303	Childers South	9.6	6.0 in 1983
040094	Harrisville Mary Street	8.8	7.2 in 1936 *
040096	Helidon Post Office	8.7	8.0 in 1987 *
040104	Englesberg Village	6.8 =	6.8 in 1936 *
040170	Pechey Forestry	14.6	5.8 in 1938 *
040255	Wooroolin Post Office	24.2	15.6 in 1985 *
040395	Fordsdale	15.4	12.0 in 1987
040485	Wilsons Peak	16.2	4.6 in 1926 *
041013	Canning Downs	3.4	3.0 in 1923
041016	Cecil Plains Homestead	6.3	5.3 in 1905 *
041022	Dalveen	6.1	3.4 in 1939
041034	Glenelg	2.0	0.0 in 1923 *
041056	Killarney Post Office	12.2	1.5 in 1939 *
041095	Stanthorpe Leslie Parade	1.6	0.0 in 1877 *
041100	Texas Post Office	2.0	0.0 in 1989
041120	Yangan Post Office	5.0	0.0 in 1939 *
041128	Wondalli	2.0	1.3 in 1939
041145	Marnhull	0.2	0.0 in 1921 *
041208	Spring Creek	21.6	20.2 in 1983
041285	Fairleigh	5.2	3.0 in 1974 *
041359	Oakey Aero	5.4	3.0 in 1983
041369	Moyola	10.2 =	10.2 in 1985 *
041370	Yagaburne	8.6	8.0 in 1983 *
041397	Burilda	1.6	1.5 in 1965
041445	Leslie Dam	3.2	0.0 in 1939 *
042002	Belah Park	13.0 =	13.0 in 1985 *
042009	Drillham	3.0	0.0 in 1969 *
042016	Hannaford Post Office	2.8	0.8 in 1965 *
042034	Ourigilla	6.8	0.0 in 1974 *
043015	Injune Post Office	0.2	0.0 in 1969
043020	Mitchell Post Office	3.4	0.8 in 1965
044050	Morven Post Office	2.0	1.8 in 1965 *

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

**Lowest February total rainfall for at least 30 years**

		Observed this month	Most recent lower month
<b>New South Wales</b>			
052020	Mungindi Post Office	3.8	2.5 in 1946
053002	Baradine Forestry	0.8	0.0 in 1986 *
053003	Bellata Post Office	4.4	2.4 in 1974 *
053026	Narrabri (Mollee)	9.8	5.0 in 1979 *
053035	Bellata (Aberfeldie)	3.0	0.8 in 1966
053041	Tulloona (Coolanga)	0.6	0.0 in 1918
054021	Barraba (Mount Lindsay)	4.2	1.5 in 1965 *
054023	Barraba (Neranghi)	7.4	3.8 in 1931 *
054049	Graman (Ulupna)	10.0	5.8 in 1979
054090	Bingara (Palla)	4.8	3.3 in 1979 *
054124	Crooble Station	2.6	0.6 in 1979 *
055000	Attunga (Garthowen)	2.2	0.0 in 1965 *
055006	Blackville Post Office	4.4	4.0 in 1974
055049	Quirindi Post Office	2.4	0.0 in 1939
055053	Tambar Springs Post Office	2.0	0.0 in 1927 *
055065	Breeza (The Park)	1.6	1.3 in 1939 *
055157	Winton (Dalblair)	2.8	2.0 in 1979 *
056008	Deepwater Post Office	1.8	0.0 in 1939
056013	Glen Innes Ag Research Stn	3.4	2.0 in 1939 *
056016	Guyra Post Office	10.4	8.6 in 1923 *
056022	Legume (New Koreelah)	11.6	3.1 in 1939
056029	Emmaville (Strathbogie)	3.2	2.0 in 1915 *
056207	Maryland	6.4	3.3 in 1902 *
057018	Tabulam Post Office	13.8	3.0 in 1926 *
057049	Guyra (Lyndhurst)	26.4	21.0 in 1980 *
057103	Kookabookra	29.4	25.8 in 1987
059030	South West Rocks (Smoky Cape Lighthouse)	44.4	40.0 in 1962 *
060031	Telegraph Point (Farrawells Road)	35.2	32.0 in 1979 *
061075	Merriwa (Bowglen)	2.6	0.0 in 1981 *
061334	Glen Alice	4.4	0.4 in 1979 *
064004	Binnaway (Wattle St)	4.2	3.8 in 1986 *
064008	Coonabarabran (Showgrounds)	6.4	6.2 in 1986 *
068044	Mittagong (Alfred Street)	16.0	12.2 in 1963 *
068045	Moss Vale (Hoskins Street)	10.6	4.3 in 1968
068192	Camden Airport AWS	18.0	16.2 in 1979 *

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

# Selected observations

## Daily and mean maximum temperatures for February 2019

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			
001019 Kalumburu		35.5	35.3																													
002056 Kununurra Aero	37.3	35.9	37.4	37.0	35.3	37.5	36.9	36.0	36.1	36.1	34.9	33.8	36.7	35.8	37.4	37.6	37.5	37.4	38.7	39.3	36.1	39.7	38.3	40.4	40.4	39.3	37.3	37.5	38.1			
003003 Broome Airport	33.4	+0.5	32.6	32.9	32.8	33.2	32.8	33.2	33.4	33.8	32.8	33.3	33.5	33.2	33.5	33.4	34.0	33.6	32.7	32.8	33.1	33.1	33.3	33.3	34.1	33.7	33.4	34.9	34.5			
003032 Derby Aero	36.5	38.4	37.4	35.0	36.2	35.6	37.5	37.3	31.4	34.9	35.6	35.8	36.1	36.8	37.8	37.6	35.9	36.0	35.5	33.6	36.4	36.6	38.3	38.1	37.1	37.5	39.6	36.7				
004032 Port Hedland Airport	36.5	+0.2	36.0	36.4	36.5	34.1	34.0	34.4	33.5	37.4	42.7	39.3	35.3	35.4	34.8	35.5	38.1	41.9	36.5	34.9	34.6	34.1	35.3	35.8	38.1	40.9	38.9	37.3	35.9	35.3		
004083 Karratha Aero	37.0	35.2	39.9	33.5	34.5	34.7	32.8	33.3	38.1	39.8	37.8	38.5	35.4	34.4	35.2	38.0	45.5	38.6	38.7	36.3	34.1	34.4	35.8	37.6	41.8	40.1	37.5	35.7	33.6			
004106 Marble Bar	43.4	44.5	45.4	46.6	42.9	41.0	41.2	40.8	42.8	42.1	43.0	43.8	44.2	43.6	42.2	43.4	44.8	44.1	44.2	40.9	39.4	42.2	43.0	44.7	45.9	45.1	46.1	43.6	43.5			
005007 Learmonth Airport	40.6	38.1	40.7	44.8	44.1	35.6	34.4	34.8	35.5	40.6	40.9	41.3	42.7	38.4	39.0	41.7	42.9	41.2	40.5	42.5	39.9	39.9	40.7	46.0	47.6	42.6	41.2	38.0				
006011 Carnarvon Airport	30.4	-2.5	35.7	33.1	31.6	31.4	31.8	28.3	28.0	27.4	29.1	30.8	31.8	34.2	31.9	30.2	29.7	30.6	29.1	30.1	29.5	29.7	28.3	28.3	32.0	32.9	29.3	28.2				
006044 Denham	29.2	31.4	27.5	27.5	31.0	29.5	26.9	28.0	30.0	31.5	32.0	31.5	28.0	25.0	30.0	28.5	28.2	28.5	27.8	29.0	28.5	27.8	27.0									
007176 Newman Aero	41.7	42.4	43.8	44.4	42.5	39.5	41.0	37.5	38.4	38.0	37.9	42.1	42.4	42.5	40.8	41.7	43.2	44.5	44.5	40.7	39.1	40.8	41.9	41.7	43.0	42.9	43.1	43.7	43.4			
007185 Paraburdoo Aero	43.7	43.5	44.3	45.9	44.5	41.0	43.0	42.1	41.6	41.9	41.9	43.9	42.8	43.3	42.5	44.5	45.4	45.3	43.3	44.2	42.9	43.4	44.5	44.1	44.9	45.4	45.3	44.3				
007045 Meekatharra Airport	41.6	+5.1	43.4	44.9	38.4	36.3	39.8	41.7	41.4	38.9	38.5	40.7	42.0	39.8	40.9	42.8	41.5	41.6	41.2	40.7	43.4	41.3	39.7	41.5	42.9	43.0	43.4	44.1	44.8	45.3		
007600 Mount Magnet Aero	40.6	43.7	43.3	35.2	34.8	38.0	41.8	41.4	38.1	38.1	39.2	40.1	42.7	39.9	39.6	37.8	39.5	40.3	37.0	36.4	37.3	39.1	35.1	33.1	35.8	37.5	37.1	40.3	42.3	41.5	35.8	
008296 Morawa Airport	38.3	44.5	38.6	34.0	35.3	38.9	41.7	41.9	39.5	40.3	42.6	37.0	36.4	38.0	38.4	36.0	36.5	37.3	39.1	39.1	35.1	33.1	35.8	37.5	37.1	40.3	42.3	41.5	35.8			
008297 Dalwallinu	36.3	42.9	35.9	30.5	31.8	36.6	40.5	37.8	35.7	36.6	41.0	33.8	31.2	35.5	37.0	35.7	34.9	33.6	32.6	38.3	37.1	32.7	33.6	35.1	35.3	37.9	42.9	39.9	36.1			
008315 Geraldton Airport	30.7	32.3	27.3	31.0	36.1	33.9	29.1	32.9	40.8	44.1	34.2	27.9	28.2	29.0	28.7	27.2	28.3	31.8	32.5	28.2	26.7	26.5	27.0	28.3	29.2	33.6	29.3	27.8	26.9			
009021 Perth Airport	32.2	+0.3	39.2	28.3	30.0	31.3	36.4	38.9	35.8	34.7	35.7	37.6	27.1	28.9	31.7	31.4	32.6	33.7	31.9	24.9	26.7	28.5	30.9	37.3	36.1	33.9	28.9					
009131 Jurien Bay	29.9	29.1	25.1	30.5	34.5	33.7	28.8	34.1	38.8	40.3	32.6	25.4	24.8	27.1	26.4					31.4	26.5	26.2	25.8	26.9	27.9	35.4	30.3	27.0				
009225 Perth Metro	31.3	38.5	27.1	29.6	30.9	33.4	30.0	35.5	34.9	35.0	35.9	26.1	27.3	32.1	30.7	32.7	30.1	30.3	31.3	32.7	31.0	24.6	26.6	28.0	29.7	37.0	35.5	33.4	27.3			
009240 Bickley	30.7	37.4	25.4	26.8	28.3	28.0	32.6	35.9	32.4	31.5	32.6	35.1	27.0	27.8	29.3	30.9	27.7	32.2	28.8	30.5	34.7	31.4	32.7	31.6	34.5	34.8	34.7	34.8				
009518 Cape Leeuwin	22.8	-0.8	24.5	21.9	20.7	21.9	23.6	23.1	21.0	21.5	21.8	21.5	22.9	22.8	24.4	24.6	21.3	21.2	22.4	22.5	23.1	23.5	23.3	23.8	23.5	23.6	24.0	23.8	23.8			
009617 Bridgetown	30.5	38.0	24.7	26.4	28.4	32.8	34.3	29.4	30.6	32.1	30.7	25.5	26.8	27.3	28.0	28.2	27.5	28.0	29.2	32.5	34.8	28.9	27.8	28.4	29.4	32.7	35.5	33.6	31.2			
009746 Witchcliffe	26.2	29.3	21.9	25.5	26.4	30.4	26.1	24.5	25.6	25.6	23.5	23.4	22.9	26.3	26.6	27.5	22.3	24.4	28.2	26.3	28.5	27.0	24.5	26.7	25.6	31.2	33.0	26.7	25.8			
009789 Esperance	25.7	32.2	26.2	21.1	22.2	24.5	25.6	23.4	22.9	23.6	23.5	20.7	24.9	34.6	26.3	23.3	20.3	21.8	24.1	29.1	39.3	26.9	24.1	24.1	24.0	28.2	31.6	24.6				
009965 Bunbury	29.9	35.0	27.3	28.9	29.7	30.1	36.1	33.6	32.2	32.5	32.5	25.2	24.3	28.5	29.0	31.6	30.0	29.7	32.5	30.1	25.3	23.9	25.8	28.8	34.2	30.5	33.8	26.4				
009977 Mandurah	29.3	33.9	24.7	29.3	31.6	31.4	33.4	35.0	34.4	33.7	31.1	24.1	23.6	27.8	26.1	24.9	28.6	29.5	30.0	29.7	27.5	24.1	25.2	27.9	35.7	31.8	30.6	25.6				
009999 Albany Airport	24.5	36.7	23.3	19.7	22.0	27.5	25.6	22.6	21.7	22.1	22.9	20.7	20.2	26.3	24.7	25.8	21.1	20.1	23.1	23.6	25.9	25.9	25.9	30.1	24.4	25.4	28.3	24.3	26.9			
010007 Merredin	35.6	+2.0	41.0	35.3	30.0	30.0	34.9	39.5	31.1	32.6	33.5	30.9	32.5	30.5	34.1	38.0	35.0	33.1	33.7	34.0	40.0	34.5	34.0	36.6	36.3	43.2	38.5	39.0				
010286 Cunderdin Airfield	35.6	42.9	36.1	29.2	30.3	35.3	40.0	36.1	33.8	34.5	40.2	32.9	29.4	33.5	37.7	37.3	34.9	30.7	33.7	34.9	34.7	36.5	40.5	38.8	39.7							
010633 Ravensthorpe	29.0	+0.5	38.2	24.8	21.5	24.0	29.5	31.0	24.2	24.1	26.3	31.0	28.5	20.9	31.0	35.0	23.5	22.5	30.1	37.0	36.3	27.1	26.0	27.1	35.5	37.6	31.6	31.6	31.6			
010911 Lake Grace	32.1	39.6	29.3	25.0	28.0	31.7	35.7	28.2	29.3	30.8	34.4	29.1	26.0	31.9	35.3	36.4	29.1	26.3	29.2	32.6	34.2	30.4	31.3	30.8	37.1							
010916 Katanning	30.6	39.3	25.5	24.0	25.8	31.3	27.3	28.0	29.6	32.6	27.8	24.8	29.9	34.8	34.6	28.0	25.0	28.3	32.6	34.6	34.2	30.6	30.6	30.6	34.7	31.5	34.7	34.7	34.7			
010917 Wandering	32.5	40.5	29.0	27.4	29.4	33.3	36.5	32.0	32.1	32.4	36.0	29.7	26.9	30.9	35.1	34.6	31.3	28.2	31.0	34.5	35.5	35.5	29.5	30.6	32.3	34.3	35.5	35.8	35.1	35.8		
011003 Eucla	28.8	+2.4	25.1	27.1	26.1	23.5	24.5	29.2	25.5	25.3	24.2	26.8	26.1	24.0	23.9	28.3	32.8	32.9	39.4	24.2	23.5	24.0	24.9	32.2	35.6	40.3	41.2	26.5	25.4	35.5	43.9	
011052 Forrest	34.6	33.2	38.8	30.8	28.6	30.6	32.7	32.8	27.7	28.1	28.1	27.9	32.8	39.8	31.2	27.9	37.3	29.8	27.8	30.9	31.3	36.9	40.9	42.0	41.3	38.1	39.0	42.1	44.6			
012038 Kalgoorlie-Boulder Airport	35.7	+3.5	35.5	43.1	30.1	28.9	32.4	37.9	29.4	30.8	30.3	37.7	35.7	29.1	30.8	34.8	41.1	36.3	29.5	30.9	34.0	40.7	44.4	45.3								
012071 Salmon Gums Res.Stn.	32.2	+2.2	35.4	37.1	25.0	27.2	30.5	34.9	31.3	27.5	29.1	35.6	29.3	28.0	28.2	28.2	32.7	32.2	30.7	31.8	30.4	35.7	30.0	31.2	37.3	43.1	34.9					
013011 Warburton Airfield	39.0	38.9	42.1	4																												

## Daily and mean maximum temperatures for February 2019

	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	
New South Wales																														
048027 Cobar MO	34.8	+1.5	39.0	37.9	39.2	39.6	40.4	37.9	36.0	35.1	29.1	30.4	33.2	36.7	24.8	30.6	34.9	36.1	38.5	41.6	32.9	31.8	33.9	34.2	33.3	31.6	32.3	34.4	34.8	34.6
048245 Bourke Airport AWS	36.8		38.0	38.8	38.1	39.3	39.3	38.2	37.7	39.0	33.6	32.7	35.9	39.3	28.4	33.5	37.2	38.2	40.5	42.7	39.5	35.0	36.9	36.9	35.0	33.7	34.1	35.6	36.5	35.4
049000 Ivanhoe Aerodrome AWS	34.9		34.3	40.4	41.0	41.5	39.8	39.1	36.2	31.5	29.1	28.2	33.1	36.1	24.7	29.4	34.4	37.5	39.5	42.9	29.4	29.1	31.4	34.1	34.9	33.9	33.3	35.7	37.9	37.6
050052 Condobolin Ag Research Stn	33.3	+0.4	37.4	37.0	37.5	39.9	39.2	33.7	35.1	34.1	26.9	27.0	32.0	35.1	24.2	29.3	32.8	32.5	36.8	40.1	31.3	30.3	33.8	33.0	32.8	30.4	30.7	32.6	36.2	31.9
051039 Nyngan Airport	34.6	+1.1	38.0	37.0	37.0	38.5	38.5	37.0	36.5	34.1	30.0	30.4	34.5	37.0	26.0	32.0	33.5	35.0	37.3	40.0	34.5	33.5	35.2	34.0	33.5	31.0	31.2	33.5	35.5	30.0
052088 Waggett Airport AWS	36.1		37.0	36.9	37.6	38.0	37.4	35.5	35.5	37.8	38.1	33.7	36.7	39.4	30.3	35.9	35.6	36.1	37.7	39.4	43.5	37.1	37.6	35.6	34.2	32.9	32.7	32.9	35.0	31.7
053115 Moree Aero	35.7		36.0	37.2	36.4	37.3	38.4	35.7	33.1	36.8	33.9	36.5	36.8	33.4	36.1	35.3	34.8	35.5	37.3	40.5	39.4	37.8	35.5	33.9	33.1	32.5	32.2	32.4	32.4	32.4
054038 Narrabri Airport AWS	35.7		36.7	38.1	38.0	39.2	38.9	34.9	35.7	37.0	37.7	34.0	36.0	38.9	33.9	34.8	34.9	35.0	35.3	37.6	40.7	40.0	37.0	32.8	31.4	31.8	32.6	31.5	33.0	31.9
055024 Gunnedah Resource Centre	34.1	+2.8	32.4	37.0	36.3	36.8	37.5	34.9	35.0	34.9	36.2	32.4	35.6	38.0	32.7	32.0	33.8	33.3	34.8	37.6	39.6	40.0	34.2	30.4	29.0	28.7	30.6	31.1	31.5	29.7
055325 Tamworth Airport AWS	33.8	32.7	36.6	37.0	37.5	38.9	36.2	36.1	35.4	35.4	34.5	36.5	32.2	34.8	36.7	33.9	33.6	34.4	37.2	39.2	39.0	33.8	30.3	28.6	27.9	30.1	30.5	32.2	29.0	
056242 Inverell (Raglan St)	32.9		32.2	33.4	33.4	34.4	33.8	32.8	30.4	34.2	33.2	33.1	33.2	34.2	36.3	30.4	32.1	32.2	33.8	36.4	37.2	37.4	34.6	30.6	30.9	29.6	30.4	29.8	29.5	
057095 Tabulam (Muirine)	29.8		31.1	29.9	29.4	31.2	30.8	29.9	30.0	34.4	31.1	34.4	36.7	38.2	22.2	28.2	30.0	31.3	36.1	34.4	30.1	26.6	26.9	26.3	22.1	26.2	27.3	25.9		
058012 Yamba Pilot Station	29.2	+2.9	27.8	30.9	30.8	30.5	30.7	30.5	30.0	31.2	28.6	30.0	31.9	31.6	27.5	28.1	28.2	29.2	30.4	29.8	29.6	27.2	27.0	25.8	26.6	28.3	28.1	28.2		
060139 Port Macquarie Airport AWS	29.4		26.3	30.4	29.9	30.9	30.2	30.3	29.1	31.8	34.7	28.1	30.5	39.7	29.4	25.7	27.5	28.6	29.7	29.8	31.1	29.3	29.9	27.3	26.7	26.3	26.6	27.1	28.2	27.1
061078 Williatown RAAF	30.1	+2.6	24.8	27.9	33.3	35.0	33.2	30.6	32.0	34.7	36.8	25.2	32.7	39.4	26.2	25.9	27.4	28.9	32.1	35.8	36.3	27.9	27.0	26.8	26.0	25.7	26.0	28.6	28.4	28.3
061363 Scone Airport AWS	33.2		28.0	33.9	37.5	38.9	36.2	36.1	35.4	35.4	34.5	30.4	36.1	38.5	33.8	29.6	31.8	32.9	35.5	39.2	40.6	33.1	29.0	28.4	25.3	27.1	29.5	31.1	30.9	30.4
062101 Mudgee Airport AWS	30.7		26.3	29.5	34.1	35.6	33.9	32.5	33.0	33.6	27.4	28.5	31.2	33.8	27.2	28.5	30.4	30.1	33.8	36.5	37.5	33.8	27.3	25.7	26.5	25.2	28.0	30.8	29.0	30.0
063005 Bathurst Agricultural Station	28.6	+1.6	32.3	27.8	31.8	33.2	30.5	30.1	30.5	28.6	23.5	27.5	29.0	21.3	25.0	27.6	28.5	31.0	32.7	32.1	31.8	24.5	24.5	26.3	26.3	29.8	28.3	29.0		
063254 Orange Agricultural Institute																														
064008 Coonabarabran (Showgrounds)	32.1	+1.1	33.7	34.6	35.8	34.9	34.0	34.0	34.3	32.3	30.1	33.0	35.1	28.5	30.5	31.9	33.2	34.6	32.1	36.6	35.8	30.2	28.7	26.6	27.0	28.8	30.2	30.5	29.0	
065070 Dubbo Airport AWS	33.4		33.0	34.8	36.8	37.2	36.4	36.0	36.1	35.1	27.7	28.4	31.9	36.0	26.4	31.2	33.4	33.5	35.5	38.6	36.0	34.5	34.3	32.2	32.5	30.3	31.9	33.6	30.4	
066062 Sydney (Observatory Hill)	27.5	+1.3	22.4	26.8	29.8	29.5	29.2	28.9	30.4	31.3	25.7	27.2	36.3	26.8	25.8	27.4	28.1	29.4	29.3	31.2	22.2	22.8	23.1	21.1	26.6	25.7	27.3	27.7	26.6	
067105 Richmond RAAF	30.2		21.9	26.8	33.1	36.1	29.9	31.4	32.6	34.0	32.8	28.8	34.5	36.2	28.9	27.2	28.9	29.4	34.6	39.5	35.5	24.1	24.2	26.3	24.3	27.0	27.3	29.8	29.2	30.7
068072 Nowra RAN Air Station AWS	27.5		20.6	27.3	32.9	32.0	25.2	29.2	30.8	32.0	30.4	24.1	29.2	35.1	23.6	24.6	27.4	28.7	32.3	33.9	21.7	22.3	21.2	24.7	24.3	24.0	25.6	31.6	26.3	29.0
068151 Jervis Bay (Point Perpendicular)	24.8		19.7	24.6	27.6	28.4	22.1	26.1	27.7	30.1	29.5	21.5	26.6	34.1	21.2	23.1	24.4	25.2	29.6	27.6	20.1	21.6	20.6	20.4	21.3	23.9	27.2	22.7	27.0	
068241 Albion Park (Wollongong Airport)	27.4		21.7	27.6	31.6	27.8	29.5	28.8	28.8	29.4	31.4	24.2	27.5	36.7	24.9	24.6	27.1	27.3	29.1	28.4	27.0	23.7	25.1	25.5	25.1	24.9	25.4	29.7	26.7	28.9
069018 Moruya Heads Pilot Station	24.4	+0.8	21.5	23.9	26.8	27.0	27.1	25.1	24.8	25.8	30.2	21.8	24.6	34.2	21.9	24.6	26.0	24.3	24.5	25.0	20.3	22.8	22.0	23.0	22.9	22.8	23.3	24.3	21.1	24.7
070351 Canberra Airport	29.1		20.7	29.5	35.8	33.6	32.0	27.0	29.9	31.1	31.2	24.4	24.9	28.4	30.2	30.2	27.0	29.5	29.0	33.3	36.0	32.9	28.9	27.6	32.6	28.9	32.6	32.6	32.6	
071041 Thredbo Village	21.4		15.0	24.5	27.0	26.0	16.0	22.0	21.5	20.5	15.0	18.0	19.0	19.5	12.5	19.0	23.2	23.0	24.0	24.8	22.0	20.8	21.3	22.0	19.5	22.0	25.0	24.8	25.0	
072150 Wagga Wagga AMO	31.9	+0.8	31.9	32.8	37.3	37.4	32.1	35.4	38.9	29.4	24.3	26.2	30.0	31.7	22.5	28.9	33.1	32.7	35.5	39.6	30.2	30.3	32.5	33.0	32.6	30.4	30.9	34.2	35.1	34.3
072160 Albury Airport AWS	31.8		33.3	35.9	37.2	36.3	35.1	31.3	27.4	22.7	26.4	30.9	29.7	22.6	27.9	32.6	33.6	35.9	36.9	38.1	23.4	26.3	27.6	27.0	31.7	31.5	36.7	35.4	35.4	37.0
072161 Cabramurra SMHEA AWS	20.7		19.7	22.4	25.1	25.5	18.8	24.1	18.9	17.6	11.9	16.2	18.7	17.9	12.2	18.1	23.0	21.4	22.9	24.7	20.5	20.2	21.5	22.4	20.4	20.7	22.5	23.2	24.9	23.2
074258 Deniliquin Airport AWS	32.5		32.7	39.1	40.1	38.7	33.1	37.4	33.6	28.6	24.6	26.4	31.0	26.9	23.4	27.3	32.6	27.3	32.6	36.9	38.1	26.3	27.6	32.3	33.1	32.2	32.2	35.4	36.9	37.0
Tasmania	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	
091126 Devonport Airport	22.2		21.0	25.3	28.3	23.5	24.4	20.8	24.2	23.9	20.8	21.4	21.7	18.0	18.9	22.1	21.4	21.8	20.8	22.7	21.7	22.4	20.2	22.6	21.8	21.1	23.9			
091293 Low Head	20.9		20.2	21.6	24.5	22.1	21.6	20.9	22.3	21.1	18.9	20.4	20.3	16.8	17.6	20.5	21.4	22.1	20.9	20.3	19.6	20.2	20.3	21.2	23.8	19.3	22.0	20.0	22.4	
091311 Launceston Airport	23.9		23.7	26.5	31.2	28.7	23.4	21.5	26.9	24.5	18.6	22.9	20.4	16.7	18.9	23.1	26.3	25.6	23.6	24.2	21.6	23.0	21.8	25.1	24.0	24.5	27.3	26.6	22.7	25.3
092045 Larapuna (Eddystone Point)	22.6	+1.8	21.2	22.4	31.8	24.4	18.8	20.9	24.0	23.4	20.4	22.8	22.9	20.6	20.3	22.0	23.5</													

## Daily and mean minimum temperatures for February 2019

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		
001019 Kalumburu		24.3	25.1																												
002056 Kununurra Aero	24.8	23.0	26.2	22.0	24.8	25.1	24.5	23.5	26.8	22.3	24.6	23.2	25.5	23.5	27.5	26.2	27.1	25.3	25.1	25.8	23.2	24.6	25.4	25.1	25.3	25.9	24.0	23.6	24.3		
003003 Broome Airport	27.7	+1.8	28.3	28.7	28.9	26.0	28.6	28.7	27.3	29.0	29.0	25.6	29.0	28.7	28.6	29.0	29.0	21.1	28.7	28.7	23.0	26.7	28.9	26.8	29.1	29.6	25.6	26.6	27.1		
003032 Derby Aero	26.0	25.1	26.9	28.0	25.5	27.4	25.2	27.2	27.8	22.6	22.9	26.9	27.0	25.5	27.3	27.2		24.6	28.1	28.2	21.7	23.8	26.7	24.9	26.5	26.4	26.6	27.9	23.9		
004032 Port Hedland Airport	26.8	+1.4	27.9	28.1	28.4	28.6	26.8	26.4	25.1	25.4	26.8	25.9	26.2	27.8	28.3	27.3	26.2	28.2	27.0	27.4	28.1	26.7	26.6	25.1	25.3	26.5	25.7	24.5	27.2	26.7	
004083 Karratha Aero	28.2	27.9	29.5	30.1	29.2	28.7	27.3	26.4	26.1	27.7	28.2	27.6	28.1	28.0	27.6	28.0	30.0	31.0	29.9	28.3	27.7	27.8	28.0	26.7	29.4	30.9	26.0	26.8	27.5		
004106 Marble Bar	26.9	21.3	25.6	27.4	25.4	27.4	25.2	24.9	25.4	29.4	26.8	26.2	28.1	27.9	27.0	23.1	27.7	27.8	27.7	27.2	27.8	26.1	27.8	29.3	31.8	24.6	25.1	28.2	26.4		
005007 Learmonth Airport	22.7	25.9	27.0	25.5	23.3	21.5	22.2	20.0	19.4	21.7	24.7	24.3	24.5	25.4	23.6	21.9	20.7	20.9	21.6	22.3	21.8	20.0	19.9	20.1	21.8	25.8	24.2	23.3	21.2		
006011 Carnarvon Airport	22.8	-0.6	25.5	26.0	22.6	22.8	23.8	22.4	22.2	22.7	21.6	23.8	23.7	23.5	24.6	22.5	21.1	21.9	22.6	22.2	20.7	21.5	20.2	21.5	23.2	23.6	22.8	22.6			
006044 Denham	20.5	22.0	19.0	17.0	20.0	21.4	19.5	19.0	20.1	20.0	22.0	21.0	20.5	22.0	20.0	20.5	21.0	21.5	21.0	20.5	21.5	19.0	20.5	19.5	22.1	22.0					
007176 Newman Aero	25.6	26.6	25.0	24.7	30.9	23.1	27.7	21.8	24.9	26.3	23.4	24.2	27.5	30.3	28.8	20.8	25.6	26.4	26.1	28.1	26.4	25.8	25.6	25.7	29.0	21.4	21.1	22.4	28.1		
007185 Paraburdoo Aero	27.4	28.1	26.3	30.4	33.3	25.5	28.8	26.0	28.3	29.3	25.9	26.9	29.7	28.1	28.6	27.9	28.0	24.9	26.9	27.5	22.7	24.9	30.6	29.0	25.9	23.3	25.4	27.8			
007045 Meekatharra Airport	25.9	+2.2	27.0	27.9	28.2	23.9	24.1	23.9	27.3	22.9	25.5	25.8	26.7	25.1	24.9	30.2	26.0	24.2	23.0	25.7	27.2	24.8	22.3	22.9	26.4	27.0	27.1	30.5	26.9	26.2	
007600 Mount Magnet Aero	24.3	27.5	27.0	22.3	23.7	24.4	27.0	26.7	22.9	25.0	27.2	24.8	20.8	23.4	27.4	23.7	21.4	24.5	24.6	26.7	22.8	19.8	20.1	23.3	22.6	24.8	26.2	23.9	25.3		
008296 Morawa Airport	19.3	22.3	20.1	17.4	17.8	18.9	22.3	23.3	21.8	25.5	24.1	20.7	15.3	16.9	21.4	17.1	16.6	20.2	20.4	18.6	17.1	17.5	13.6	17.0	15.8	19.6	21.0	19.5	19.5		
008297 Dalwallinu	17.4	19.2	17.8	15.0	14.0	15.2	21.2	20.7	18.0	19.8	21.1	18.0	18.0	13.0	15.1	19.5	16.4	15.2	16.7	15.9	18.4	17.8	17.2	14.2	16.1	14.5	18.6	19.8	20.1		
008315 Geraldton Airport	17.8	17.3	17.8	16.0	13.7	12.3	20.6	21.1	24.7	29.2	19.2	20.5	15.4	15.3	16.2	15.5	18.9	16.9	14.4	15.6	18.6	19.6	12.6	12.9	16.6	15.2	20.6	21.6	21.4		
009021 Perth Airport	17.4	-0.3	21.8	17.4	13.7	15.7	17.3	21.5	21.1	19.0	17.9	21.8	14.2	14.6	14.0	14.8	16.5	17.8	16.0	14.9	19.7	18.1	19.5	13.2	14.8	18.8	21.6	17.8	18.5		
009131 Jurien Bay	17.5	16.9	19.7	14.2	15.0	15.2	19.1	19.6	21.1	24.6	20.2	17.1	16.4	14.7	15.4	14.7		15.6	15.3	20.3	17.9	14.0	16.9	16.1	18.8	20.8					
009225 Perth Metro	17.8	20.1	18.3	14.4	15.7	17.5	17.6	21.5	19.2	18.2	20.1	15.2	16.6	16.2	15.9	17.6	18.4	18.0	16.1	15.6	16.8	17.9	19.2	16.3	17.6	18.1	21.5	19.0	19.4		
009240 Bickley	15.5	19.0	14.6	10.7	12.1	13.7	17.3	17.6	15.4	14.0	17.6	14.4	12.1	12.7	17.7	14.9	15.8	14.7	12.6	15.7	16.5	16.3	16.2	15.8	15.5	15.3	17.5	20.6	17.8		
009518 Cape Leeuwin	17.4	0.0	18.7	17.7	16.3	16.4	16.2	18.8	18.5	16.8	16.3	17.5	16.0	15.8	15.3	17.6	18.0	16.5	15.6	17.2	17.7	19.0	16.7	18.2	18.0	17.4	19.5	19.4	18.5		
009617 Bridgetown	13.1	15.2	15.7	8.7	13.6	10.0	11.5	16.8	14.9	11.5	13.5	10.3	12.8	11.6	10.1	12.9	11.0	9.0	12.6	15.1	13.4	16.2	11.7	12.5	14.7	16.8	16.9	15.1			
009746 Witchcliffe	14.1	15.1	16.9	14.7	12.8	11.7	15.8	17.4	14.1	12.0	14.4	13.9	12.5	10.4	13.3	14.6	11.9	10.4	13.8	14.5	18.1	11.1	15.8	11.9	13.3	16.5	18.8	15.9			
009789 Esperance	16.5	15.0	19.5	16.6	13.5	13.8	13.7	17.3	16.3	16.9	13.8	17.5	15.9	13.7	15.6	17.1	19.2	16.4	16.6	16.2	14.5	17.2	19.8	18.2	18.8	18.4	19.7				
009965 Bunbury	15.3	17.7	16.4	9.4	12.5	16.6	16.9	18.7	17.9	14.5	17.3	10.1	9.9	15.3	11.1	15.5	14.2	13.4	14.5	15.8	17.4	16.7	15.0	11.3	16.3	17.8	19.7	18.9	16.4		
009977 Mandurah	18.6	22.0	19.1	14.3	15.6	17.5	20.4	20.7	19.4	17.7	21.6	15.0	15.1	16.9	18.0	17.1	18.0	17.1	16.4	19.4	19.8	20.2	19.4	17.2	20.4	21.7	22.2	20.1			
009997 Albany Airport	14.7	15.2	15.6	14.8	12.8	13.6	15.8	15.8	16.1	14.1	14.9	16.0	14.4	14.7	13.6	13.6	14.5	14.8	15.2	12.2	15.0	17.8	11.3	14.0	14.8	18.4	18.5	20.5			
010002 Merredin	17.9	0.0	22.1	21.2	13.4	15.4	17.9	21.5	19.5	16.5	14.5	19.8	15.8	10.0	14.6	17.0	16.0	14.5	19.2	22.0	17.4	16.0	15.5	16.2	16.4	18.4	22.1	20.9	20.6		
010286 Cunderdin Airfield	16.2	15.8	16.7	12.6	13.8	15.5	17.6	19.4	16.9	14.5	17.3	16.2	15.5	14.1	19.2	14.8	17.1	13.4	17.4	18.3	15.3	11.3	13.2	14.6	18.1	18.9	19.0	18.7			
010633 Ravensthorpe	15.2	+0.9	14.5	17.8	13.0	13.0	12.5	14.0	16.0	14.6	13.3	12.6	16.0	13.0		14.5	17.0	14.5	15.0	11.6	14.0	19.6	17.8	15.9	15.5	16.4	19.0	17.5			
010911 Lake Grace	15.0	13.5	17.7	11.5	13.5	13.3	14.3	17.8	15.2	11.6	13.7	11.0	12.2	10.9	12.4	13.6	11.3	10.8	12.8	15.2	14.6	14.2	13.7	16.6	13.9	15.4	16.4	14.0			
010916 Katanning	13.3	13.2	15.8	10.4	12.2	13.7	14.8	16.3	14.6	9.7	11.6	11.6	8.8	9.0	12.4	15.6	11.9	10.8	12.8	15.2	14.6	14.2	13.7	16.6	13.9	15.4	16.4	14.0			
010917 Wandering	13.6	15.2	16.4	10.4	11.6	10.4	12.3	17.2	15.9	10.6	14.9	11.5	11.8	12.4	13.3	10.8	16.4	13.5	12.3	13.4	15.9	10.7	12.1	15.2	13.9	17.5	13.5				
011003 Eucla	17.1	+0.1	18.5	14.0	19.1	17.7	16.0	17.2	18.9	18.2	17.1	18.3	18.0	15.6	16.4	16.2	15.3	11.2	11.0	15.6	17.4	17.1	11.8	11.5	14.3	18.6	17.5	16.7			
011052 Forrest	15.6	12.9	13.6	18.6	16.7	16.7	13.9	14.5	17.8	14.3	15.2	16.3	12.1	11.0	15.6	16.7	19.4	17.1	11.8	11.5	14.3	18.6	17.3	14.3	18.6	17.5	16.7				
012038 Kalgoorlie-Boulder Airport	19.1	+1.1	17.8	23.2	16.6	14.5	15.9	20.1	20.5	17.8	15.4	17.5	18.4	17.0	14.4	19.4	24.3	20.7	16.2	14.8	21.2	18.7	21.8	21.1	20.2	20.8	23.3	17.8	18.4	24.6	22.3
020701 Salmon Gums Res.Str.	14.7	+0.3	14.8	22.1	14.0	14.0	13.9	15.4	16.3	13.3	11.5	7.9	14.9	14.1	5.5	16.4	13.5	17.6	12.5	11.6	13.1	15.1	16.8	17.1	15.2	16.0	14.7	21.4	18.7		
030111 Warburton Airfield	23.7	22.7	25.9	28.6	23.6	22.0	20.0	25.2	22.1	19.8	19.5	17.9	26.6	20.5	20.1		24.3	26.9	23.0	23.6	25.7	27.5	24.9	25.							

## Daily and mean minimum temperatures for February 2019

	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	
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	
048027 Cobar MO	20.7	+0.7	24.0	24.7	26.2	24.4	26.0	24.1	23.1	20.6	19.6	14.9	16.6	20.3	15.6	12.5	18.2	22.3	23.2	25.7	22.8	14.8	15.5	21.5	19.7	20.0	18.3	21.0	22.1	22.6
048245 Bourke Airport AWS	22.5	26.3	29.7	25.1	23.2	24.3	26.3	26.3	23.8	21.9	19.8	15.7	18.8	20.2	15.9	20.4	25.1	23.6	23.9	24.0	20.0	20.6	24.0	20.7	21.9	21.1	20.8	22.3	22.9	
049000 Ivanhoe Aerodrome AWS	19.5	16.5	18.3	21.6	28.9	22.3	24.6	22.5	22.2	15.8	13.4	13.8	19.9	12.4	12.9	13.9	21.3	21.9	23.3	16.8	15.6	16.9	15.1	19.0	22.7	21.4	21.3	22.1	25.2	
050052 Condobolin Ag Research Stn	19.0	+1.2	20.7	23.7	25.7	25.7	27.1	19.3	23.6	21.0	18.8	14.0	13.9	20.6	14.6	11.0	15.9	18.9	17.9	21.1	20.7	14.7	15.5	18.8	17.0	17.2	15.1	19.5	18.9	21.3
051039 Nyngan Airport	20.8	+1.6	26.5	23.5	26.7	24.3	26.5	22.8	25.2	22.0	19.5	16.0	14.9	17.5	17.7	15.5	20.3	20.0	20.0	22.8	23.8	18.4	20.0	21.0	18.0	19.5	16.0	20.7	20.5	22.5
052088 Waggett Airport AWS	20.7	22.4	24.4	24.6	23.3	22.6	25.2	26.1	22.3	25.1	16.4	12.3	15.5	21.8	15.2	20.9	21.7	19.0	21.0	24.1	21.1	21.2	22.2	16.5	18.5	18.5	17.6	15.4	23.4	
053115 Moree Aero	20.1	25.8	23.8	20.0	21.3	22.1	20.9	23.7	16.7	16.7	20.6	12.9	19.6	18.2	20.2	21.0	23.6	25.2	23.1	21.8	17.4	15.7	15.5	18.0	20.1	19.7				
054038 Narrabri Airport AWS	20.0	22.7	22.2	22.5	23.1	23.4	21.1	23.5	21.4	23.2	15.6	13.1	19.4	24.6	14.9	16.7	17.2	20.4	22.8	23.8	22.8	21.2	18.1	17.7	17.2	16.7	17.1	18.6		
055024 Gunnedah Resource Centre	20.0	+1.5	22.1	21.1	21.6	21.9	25.6	21.3	21.1	22.8	20.7	15.7	19.1	17.9	24.1	18.9	16.7	16.6	19.2	22.2	25.1	22.2	13.6	14.3	17.3	20.2	17.9			
055325 Tamworth Airport AWS	17.8	22.9	20.4	19.5	16.4	21.7	19.9	19.3	19.3	13.1	15.7	15.7	18.9	18.2	15.5	16.3	17.0	19.4	22.7	20.7	17.7	16.2	16.1	14.8	15.0	16.3	15.1			
056242 Inverell (Raglan St)	14.5	17.8	19.4	15.2	11.8	15.2	19.4	17.8	14.5	16.2	13.9	13.9	10.7	12.1	14.9	12.7	9.6	11.7	14.1	15.1	18.7	16.4	19.3	12.9	11.2	11.9	15.4			
057095 Tabulam (Muirine)	17.5	18.8	18.9	17.4	17.5	18.3	17.7	17.4	18.7	18.1	18.7	18.2	19.2	21.9	18.6	17.1	16.2	15.7	16.3	17.2	19.7	18.8	17.8	16.8	16.5	14.2	14.7	15.6	14.7	
058012 Yamba Pilot Station	21.6	+1.3	21.4	23.2	23.9	22.5	24.5	24.7	22.7	22.1	21.6	20.8	21.3	23.0	24.0	23.1	21.4	19.4	19.7	20.7	23.3	23.0	22.0	19.0	19.0	19.3	18.5	20.3	19.4	
060139 Port Macquarie Airport AWS	17.7	21.8	19.3	16.7	19.0	18.9	16.5	18.0	20.6	19.0	16.1	13.6	15.8	17.5	20.4	16.8	15.8	14.4	16.6	16.4	17.8	21.0	20.6	18.9	18.6	17.9	17.4	15.3	15.3	
061078 Williamtown RAAF	18.4	+0.4	19.3	19.4	19.0	18.7	19.7	20.3	18.8	20.4	20.3	17.2	17.5	16.5	20.8	20.4	13.1	15.4	16.0	16.3	19.7	21.4	21.5	20.8	19.3	18.7	18.2	14.1	15.6	15.4
061363 Scone Airport AWS	17.2	19.0	18.9	20.2	18.9	23.6	19.9	19.9	20.3	19.5	13.8	12.7	13.0	21.2	18.5	13.2	14.0	15.4	20.4	22.8	20.8	20.3	18.6	16.5	16.4	14.4	11.5	13.4	13.2	
062101 Mudgee Airport AWS	16.6	18.9	19.7	19.3	17.6	22.3	20.1	19.6	19.9	17.2	11.1	11.6	8.9	17.8	16.2	14.1	14.9	13.2	13.7	20.2	20.8	20.1	19.0	10.6	12.5	17.3				
063005 Bathurst Agricultural Station	13.7	+0.7	15.9	16.5	17.6	19.0	17.5	16.4	17.0	15.0	9.5	8.0	8.5	14.0	11.2	10.7	10.8	11.2	12.4	17.0	16.0	16.4	15.2	11.5	13.5	12.0	8.8	12.8	14.8	
063254 Orange Agricultural Institute	14.5	15.6	18.8	18.8	16.5	16.7	16.8	7.8	11.4	10.9	8.6	10.8	11.5	10.0	14.1	13.9	14.1	5.0	10.0	13.2	14.7									
064008 Coonabarabran (Showgrounds)	16.5	+1.2	22.0	18.6	18.9	18.8	21.3	19.5	19.0	18.0	18.3	11.8	10.0	15.5	15.0	13.6	12.9	13.5	19.5	19.1	19.5	16.0	15.0	15.3	11.0	12.2	10.5	16.0		
065070 Dubbo Airport AWS	18.4	21.7	21.1	21.8	21.5	26.3	22.4	22.4	20.8	18.7	12.6	11.0	11.7	18.0	14.7	17.2	17.3	17.7	23.0	21.6	17.6	17.6	17.3	15.9	18.0	15.7	16.4	18.9	19.4	
066062 Sydney (Observatory Hill)	19.7	+0.4	18.2	18.2	21.6	21.6	22.5	22.5	20.5	22.6	18.2	17.3	19.4	19.0	17.4	18.2	18.8	19.3	21.3	22.3	18.9	19.6	18.7	18.3	19.5	19.4	16.6	19.4	20.3	
067105 Richmond RAAF	17.2	17.3	17.3	20.7	20.5	24.0	19.8	18.9	21.2	19.5	13.4	13.5	13.9	17.5	16.9	13.5	14.0	14.9	15.8	21.2	18.2	18.6	17.8	16.1	17.2	16.5	12.7	14.8	17.0	
068072 Nowra RAN Air Station AWS	16.3	15.5	16.3	18.7	21.5	21.1	19.5	18.4	19.8	19.7	11.3	12.5	14.6	15.6	10.8	13.9	14.8	14.8	15.1	19.7	17.2	16.7	17.2	14.5	16.4	14.4	12.9	17.9	16.8	
068151 Jervis Bay (Point Perpendicular)	18.6	17.1	17.1	19.3	21.7	21.0	20.2	21.0	19.9	19.2	16.5	15.3	18.9	16.2	16.9	18.2	18.2	19.8	20.3	19.4	18.0	17.2	17.8	18.4	18.4	16.2	20.3	19.4		
068241 Albion Park (Wollongong Airport)	16.5	17.2	17.7	19.1	20.7	22.7	19.5	19.0	20.4	16.8	11.6	13.1	11.3	16.8	10.7	13.6	15.0	14.8	14.3	18.5	19.4	19.3	18.3	18.7	17.6	10.0	15.0	17.3		
069018 Moruya Heads Pilot Station	16.7	+0.5	17.3	17.6	19.7	20.9	21.2	21.0	20.5	17.8	12.4	12.8	12.2	14.3	12.0	15.9	16.2	18.5	18.1	16.2	16.7	16.6	14.3	16.5	14.1	14.9	15.5	15.7		
070351 Canberra Airport	12.9	14.7	15.1	15.9	19.3	17.8	18.0	16.8	17.3	15.8	5.5	8.3	9.8	11.6	5.7	13.3	10.9	10.5	13.6	13.8	14.5	13.2	14.1	8.9	10.6	9.5	10.4	12.5	14.0	
071041 Thredbo Village	6.8	8.0	6.5	10.0	11.0	13.0	13.0	12.0	12.7	13.5	12.0	0.0	5.0	13.0	2.5	-1.0	4.0	7.3	5.0	7.0	10.0	4.0	7.2	1.8	0.7	0.5	3.0	6.8	6.0	
072150 Wagga Wagga AMO	16.7	+0.4	16.4	20.9	23.4	23.8	22.3	21.5	22.9	20.5	19.5	10.9	13.5	10.8	7.7	13.6	19.5	17.9	18.3	17.8	10.8	13.0	17.1	15.2	14.2	14.8	16.6	17.8	20.8	
072160 Albury Airport AWS	15.5	16.3	18.0	22.6	20.8	22.3	18.1	20.2	15.4	20.5	19.5	10.9	13.5	10.7	13.5	12.7	13.6	15.5	15.0	15.5	15.3	21.3	12.2	10.8	13.7	14.1	13.9	18.8	18.1	20.3
072161 Cabramurra SMHEA AWS	10.4	7.5	10.1	14.8	14.3	13.3	13.4	12.7	13.6	9.5	2.9	7.1	11.4	2.3	3.9	7.8	7.8	13.2	14.6	16.4	13.0	7.1	8.6	8.5	8.8	6.4	10.4	12.9	13.6	13.7
074258 Deniliquin Airport AWS	16.0	12.6	17.0	24.3	24.0	18.1	18.6	20.9	20.8	13.0	9.0	14.6	15.8	9.1	8.7	13.4	15.9	15.3	21.3	12.2	10.8	13.7	14.1	13.9	18.8	18.1	16.4	16.6	20.3	
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	
070121 Devonport Airport	12.8	4.2	13.7	18.2	18.1	16.0	18.3	17.2	17.7	12.5	10.9	15.2	14.0	5.6	10.8	10.9	14.5	10.5	13.1	9.8	9.8	11.8	7.9	11.0	13.8	12.7	15.7	14.7	12.2	
071233 Low Head	14.5	9.9	14.0	19.0	17.7	17.1	14.7	17.4	18.4	14.0	14.1	16.2	15.2	10.7	11.6	14.5	14.9	15.4	13.7	14.7	14.2	11.5	13.6	12.4	13.8	15.6	14.2	13.3		
071311 Launceston Airport	10.2	3.2	8.7	14.6	16.2	14.4	11.5	16.7	16.2	10.4	5.5	14.2	13.9	3.4	8.3	8.3	13.2	10.8	15.6	4.0	6.8	5.1	6.4	10.4	7.6	8.4	11.8	10.2	8.5	
072045 Larapuna (Eddystone Point)	14.4	+0.2	13.9	16.6	18.8	17.9	16.1	16.5	18.2	16.9	13.3	8.7	14.0	17.8	7.5	11.9	12.7	16.9	14.3	15.8	9.9	10.9	10.7	15.1	15					

## Daily and total rainfall for February 2019

	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						
Western Australia																																				
001013 Wyndham	103.8	5.0	.	10.0	0.6	.	28.0	39.0	.	10.0	.	1.0	.	4.8	.	.	.	5.4	.	.	.	.	.	.	.	.	.	.	.	.						
001019 Kalumburu		15.8	.																																	
002056 Kununurra Aero	118.0	6.0	.	31.4	.	.	.	16.6	.	21.2	.	11.2	0.2	23.8	.	.	.	.	.	.	1.2	.	.	.	.	0.4	1.4	4.6	.							
003003 Broome Airport	25.0	164	.	.	0.2	.	.	3.0	.	.	.	.	.	.	.	.	.	.	20.0	.	0.4	0.2	.	.	.	.	.	1.2								
003032 Derby Aero	84.8	202	.	.	.	.	.	.	.	43.2	0.4	.	.	.	.	.	.	.	.	17.2	.	.	.	.	.	.	.	24.0								
004032 Port Hedland Airport	1.0	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	.	.	.	.	.	.	.	.	.	.								
004083 Karratha Aero	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
004106 Marble Bar	48.2	15.0	.	.	.	.	.	.	.	0.8	.	.	.	.	32.2	0.2	.	.	.	.	.	.	.	.	.	.	.	.								
005007 Learmonth Airport	.	38	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
006011 Carnarvon Airport	.	19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
006044 Denham	.	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
007176 Newman Aero	46.2	.	.	.	.	5.6	.	7.4	.	.	.	.	.	.	32.4	.	.	.	0.4	.	0.4	.	0.4	0.2	.	.	.	.								
007185 Paraburdoo Aero	0.8	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
007045 Meekatharra Airport	2.4	30	.	.	.	.	2.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
007600 Mount Magnet Aero	5.4	.	.	.	.	.	.	0.6	4.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
008296 Morawa Airport	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
008297 Dalwallinu	0.6	.	.	.	.	.	.	0.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
008315 Geraldton Airport	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
009021 Perth Airport	0.2	14	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
009131 Jurien Bay	1.0	.	.	.	.	.	.	.	.	.	.	.	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
009225 Perth Metro	0.2	.	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
009240 Bickley	1.2	.	.	.	.	.	.	1.0	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
009518 Cape Leeuwin	1.2	16	.	.	0.2	.	.	.	.	.	.	.	.	.	0.2	.	.	.	0.6	0.2	.	.	.	.	.	.	.	.	.							
009617 Bridgetown	0.2	.	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.							
009746 Witchcliffe	0.4	.	.	.	0.2	0.4	.	.	.	.	.	.	.	.	.	.	.	.	0.4	.	.	.	.	.	.	.	.	.	.							
009789 Esperance	0.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
009965 Bunbury	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
009977 Mandurah	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
009999 Albany Airport	2.4	.	.	0.2	0.2	.	.	.	.	.	.	.	1.6	.	.	0.2	.	.	.	0.2	.	.	.	.	0.2	.	.	.	.							
010007 Bencubbin	0.7	20	.	.	.	.	.	0.4	0.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
010092 Merredin	2.8	19	.	.	.	.	.	2.0	0.8	.	.	.	.	.	0.4	.	.	2.4	»	1.0	.	.	.	.	.	.	.	.	.							
010286 Cunderdin Airfield	0.4	.	.	1.8	.	.	.	.	.	.	.	.	.	.	0.4	.	.	2.4	.	»	1.0	.	.	.	.	.	.	.	.	.						
010633 Ravensthorpe	5.2	29	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3.4	.	.	34.2	0.2	16.4	.	10.8	.	2.8	0.2	.	.						
010911 Lake Grace	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	.	.	4.4	.	.	.	20.0	.	8.6	.	.	.	.					
010916 Katanning	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
010917 Wandering	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
010003 Eucla	.	18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
011052 Forrest	0.2	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
012038 Kalgoorlie-Boulder Airport	7.2	22	.	.	.	.	.	4.0	.	.	.	.	.	.	3.2	.	.	.	0.8	.	.	.	0.2	.	.	.	.	.	.	.	.					
012071 Salmon Gums Res.Stn.	1.0	19	.	.	.	.	.	.	.	.	.	.	.	.	0.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
013011 Warburton Airfield	0.2	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.					
013012 Wiluna	22.5	32	.	.	.	2.0	12.0	8.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.						
013017 Giles Meteorological Office	.	44	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
Northern Territory	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						
014015 Darwin Airport	171.6	343	2.6	6.2	6.2	51.6	0.6	.	.	.	0.2	.	0.2	0.2	2.4	.	.	.	0.6	3.2	45.0	3.6	36.0	.	.	.	.	.	.	.	.	.	.			
014198 Jabiru Airport	266.2	13.8	9.8	3.0	1.6	18.8	10.2	.	17.6	.	0.2	0.2	6.6	2.2	6.8	5.6	35.2	33.8	24.4	.	1.2	41.4	19.4	14.4	.	.	.	.	.	.	.	.	.			
014932 Tindal RAAF	167.4	0.2	.	19.4	56.4	21.0	2.4	.	.	.	.	.	.	.	.	.	.	3.4	.	34.2	0.2	16.4	.	10.8	.	2.8	0.2	.	.	.	.	.				
014508 Gove Airport	133.8	7.8	.	23.0	1.0	.	.	53.6	.	4.2	.	10.2	.	.	.	.	.	1.0	.	4.4	.	.	.	.	.	20.0	8.6	.	.	.	.	.	.			
014723 Borroloola Airport	93.8	5.2	11.2	17.4	3.0	0.2	.	.	20.4	0.4	0.2	.	.	.	4.0	3.2	11.8	0.2	.	.	.	.	.	.	.	0.4	16.0	0.2	.	.	.	.	.			
014825 Victoria River Downs	33.0	173	.	.	.	5.6	.	0.4	23.6	.	.	.	0.2	0.2	.	2.6	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
015135 Tennant Creek Airport	1.8	.	0.2	1.4	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
015590 Alice Springs Airport	.	37	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
015635 Yuilala Airport	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
015666 Rabbit Flat	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
South 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						
016001 Woomera Aerodrome	2.4	21	.	.	.	.	.	24.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
016098 Tarcoola Aero	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
017043 Oodnadatta Airport	.	27	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
018012 Ceduna AMO	0.4	14	.	.	.	.	.	.	.	.	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
018044 Kyancutta	3.2	14	.	.	.	.	.	1.4	.	.	.	.	1.4	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
018192 North Shields (Port Lincoln AWS)	3.4	.	.	.	.	0.2	.	.	1.6	.	1.6	.	1.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
021133 Showtown (Rayville Park)	4.4	.	.	38.0	0.2	.	1.4	.	1.4	.	3.6	2.6	.	.	.	.	0.2	.	0.2	0.2	.	0.2	.	0.2	.	0.2	.	0.2	.	0.2	.	0.2				
022823 Cape Borda	8.0	.	.	.	.	.	.	1.4	.	3.6	2.6	1.6	1.4	1.6	5.2	.	26.6	.	0.2	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
023090 Adelaide (Kent Town)	9.0	.	.	.	.	0.2	0.2	.	3.8	0.4	.	2.0	1.6	7.6	.	.	.	0.2	.</																	

## Daily and total rainfall for February 2019

	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
New South Wales																														
046043 Wilcannia (Reid St)	0.4	20	.	.	.	.	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
048027 Cobar MO	24.0	38	9.4	.	.	.	.	.	.	13.6	0.8	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
048245 Bourke Airport AWS	0.4	.	.	.	.	.	.	.	.	0.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
049000 Ivanhoe Aerodrome AWS	10.0	.	.	.	.	.	.	.	5.6	4.2	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
050052 Condobolin Ag Research Stn	37.4	35	0.2	.	.	.	.	.	24.2	.	1.0	10.8	.	.	.	.	.	.	.	1.2	.	.	.	.	.	.	.			
051039 Nyngan Airport	26.6	38	.	.	.	.	.	.	4.0	.	22.2	.	.	.	.	.	.	.	.	0.4	.	.	.	.	.	.	.			
052088 Walgett Airport AWS	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
053115 Moree Aero	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
054038 Narrabri Airport AWS	3.2	.	.	.	.	.	.	.	.	3.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
055024 Gundedah Resource Centre	.	64	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
055325 Tamworth Airport AWS	14.0	.	.	.	.	.	.	.	.	0.8	13.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
056242 Inverell (Raglan St)	6.0	.	.	.	.	.	.	.	.	6.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
057095 Tabulam (Muirne)	36.6	.	0.2	2.4	4.4	.	2.8	1.4	3.0	.	10.0	.	.	1.0	0.8	.	.	.	.	2.0	4.0	.	.	2.8	1.8	.	.			
058012 Yamba Pilot Station	97.0	177	.	0.2	0.2	.	.	.	1.4	.	4.2	.	.	.	.	.	.	.	.	0.6	48.8	18.4	16.6	3.6	1.0	.	2.0			
060139 Port Macquarie Airport AWS	48.2	.	2.8	.	.	.	.	.	0.2	.	0.4	1.8	.	.	13.8	0.4	.	.	.	0.2	0.2	19.8	2.2	0.4	0.6	4.0	0.2	1.2		
061078 Williamburg RAAF	33.6	111	0.8	12.8	0.4	.	.	.	.	6.6	.	.	.	.	.	.	.	.	.	1.4	1.0	1.4	9.2	.	.	.	.			
061363 Scone Airport AWS	24.4	.	.	.	.	.	.	.	.	16.4	3.6	.	.	.	.	.	.	.	.	.	0.2	4.2	.	.	.	.	.			
062101 Mudgee Airport AWS	9.2	.	.	.	.	.	.	.	0.4	8.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
063005 Bathurst Agricultural Station	48.6	60	.	.	.	.	.	0.8	.	13.6	34.0	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
063254 Orange Agricultural Institute	46.0	72	.	»	»	0.6	.	11.6	.	19.2	»	»	14.0	.	.	.	.	.	.	0.6	.	.	.	.	.	.	.			
064008 Coonabarabran (Showgrounds)	6.4	73	.	.	.	.	.	1.4	.	5.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
065070 Dubbo Airport AWS	18.4	.	.	.	.	.	.	.	12.2	6.0	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.	.	.				
066062 Sydney (Observatory Hill)	85.4	126	2.8	23.0	0.2	.	1.8	.	17.2	0.2	.	.	.	.	.	.	.	.	7.8	5.0	4.4	6.6	16.0	0.4	.	.				
067105 Richmond RAAF	23.8	1.4	4.8	0.8	0.2	.	.	.	6.8	0.2	.	.	.	.	.	.	.	.	1.2	3.4	4.8	.	0.2	.	.	.				
068072 Nowra RAN Air Station AWS	44.0	1.6	8.8	0.4	.	5.2	2.6	0.4	6.2	13.6	.	.	.	.	.	.	.	.	5.0	0.2	.	.	.	.	.	.				
068151 Jervis Bay (Point Perpendicular)	67.8	0.8	6.2	5.2	.	1.6	5.0	0.2	20.6	.	.	.	.	.	.	.	.	.	0.2	25.6	0.4	.	.	2.0	.	.				
068241 Albion Park (Wollongong Airport)	30.6	0.6	4.2	0.8	.	0.4	1.8	9.6	0.2	12.0	.	.	.	.	.	.	.	.	0.6	0.4	.	.	.	.	.	.				
069018 Moruya Heads Pilot Station	36.2	107	.	.	.	0.4	0.8	9.0	1.0	3.6	14.8	.	.	2.0	.	.	0.2	2.2	2.2	.	.	.	.	.	.	.				
070351 Canberra Airport	42.8	.	.	.	2.2	32.0	2.8	.	5.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.4	.			
071041 Thredbo Village	90.0	.	.	13.3	24.0	16.0	10.6	3.2	1.4	8.1	.	11.4	.	.	.	.	.	2.0	.	.	.	.	.	.	.	.				
072150 Wagga Wagga AMO	16.4	34	.	0.2	.	6.0	5.8	.	0.2	»	4.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
072160 Albury Airport AWS	27.6	.	.	.	17.0	.	8.4	.	.	1.2	0.2	.	0.8	.	.	.	.	.	.	.	.	.	.	.	.	.				
072161 Cabramurra SMHEA AWS	51.2	.	.	.	5.6	18.6	6.8	.	8.8	4.8	2.8	.	.	.	.	.	.	3.8	.	.	.	.	.	.	.	.				
073054 Wyalong Post Office	23.2	30	.	.	.	.	4.4	.	13.2	.	.	.	.	.	.	.	.	5.6	.	.	.	.	.	.	.	.				
074258 Deniliquin Airport AWS	31.0	.	.	.	2.0	.	4.8	17.4	0.2	6.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.				
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
076031 Mildura Airport	2.8	16	.	.	.	.	1.8	.	1.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
077008 Birchip (Woodlands)	13.0	18	.	.	.	.	.	13.0	.	.	.	.	.	.	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.		
078015 Nhill Aerodrome	15.4	.	.	.	.	.	.	12.6	.	0.4	.	1.6	0.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
080023 Kerang	10.6	20	.	.	0.2	1.0	.	8.0	0.6	.	0.6	.	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
081123 Bendigo Airport	10.6	.	.	.	.	.	.	8.0	0.2	.	0.6	.	1.8	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
082039 Rutherglen Research	36.4	30	.	.	.	9.6	0.2	21.4	1.4	.	2.0	1.2	.	0.6	.	.	.	.	.	.	.	.	.	.	.	.	.			
083085 Mount Hotham	64.6	0.2	0.2	.	13.0	2.8	12.0	4.0	7.4	6.2	13.0	0.2	.	5.4	.	.	.	.	0.2	.	.	.	.	.	.	.	.	.		
084016 Gabo Island Lighthouse	38.0	58	0.4	2.2	0.2	0.2	32.6	1.8	.	.	.	.	.	.	.	.	.	.	1.0	.	.	.	.	.	.	.	.			
084145 Orbost	19.6	.	0.4	.	7.2	1.2	0.4	0.2	3.4	0.2	2.4	.	.	3.2	.	.	.	.	0.8	0.2	.	.	.	.	.	.	.	.		
085072 East Sale	41.4	30	.	.	16.2	0.6	0.4	1.0	19.2	0.2	0.8	.	.	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
085096 Wilsons Promontory Lighthouse	66.4	40	.	.	.	.	4.0	2.8	.	13.0	.	42.8	2.0	0.2	.	.	.	.	1.6	.	.	.	.	.	.	.	.			
087031 Laverton RAAF	16.0	43	.	.	.	.	.	12.6	.	2.0	.	1.4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
087184 Breakwater (Geelong Racecourse)	6.4	0.2	.	.	.	.	.	4.2	0.2	0.6	.	0.4	0.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.			
089002 Ballarat Aerodrome	12.4	37	.	.	.	.	.	8.6	.	0.4	1.0	.	1.8	0.4	0.2	.	.	.	.	.	.	.	.	.	.	.	.			
090015 Cape Otway Lighthouse	38.8	39	.	.	.	.	.	3.8	0.2	9.2	0.8	.	12.0	8.4	1.0	.	.	1.6	.	1.6	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
091126 Devonport Airport	34.8	37	.	0.4	.	.	.	10.0	.	8.4	.	14.2	1.0	.	.	.	.	0.8	.	.	.	.	.	.	.	.	.	.		
091293 Low Head	29.4	.	.	.	.	.	.	0.6	0.2	7.0	0.8	1.0	15.2	1.4	.	.	.	3.0	0.2	.	.	.	.	.	.	.	.	.		
091311 Launceston Airport	55.8	.	.	0.2	.	.	.	10.8	0.2	12.6	1.0	.	27.8	3.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
092045 larapuna (Eddystone Point)	37.0	44	.	.	.	.	1.8	14.4	.	0.2	18.6	.	1.4	.	.	0.2	0.2	0.2	.	.	.	.	.	.	.	.	.	.		
093053 Ross (The Boulevards)	25.2	.	.	0.2	.	.	9.0	0.4	2.4	5.2	.	2.6	4.8	.	»	0.6	.	.	.	.	.	.	.	.	.	.	.	.		
094010 Cape Bruny Lighthouse	56.8	59	3.4	.	.	.	27.0	10.0	1.0	.	4.4	4.0	0.4	.	.	0.8	1.6	.	2.4	1.2	0.6	.	.	.	.	.	.	.		
094029 Hobart (Ellerslie Road)	35.4	39	.	.	.	.	.	26.2	4.6	.	0.2	1.8	1.8	.	.	0.2	.	.	1.0	.	1.6	.	.	.	.	0.4	0.2	.		
094220 Grove (Research Station)	39.0	.	.	.	.	.	.	23.8	0.4	6.0	.	3.6	2.6	.	.	.	.	.	1.0	.	1.6	.	.	.	.	.	.	.		
095003 Bushy Park (Bushy Park Estates)	5.6	33	.	.	.	.	.	.	0.4	1.6	.	2.6	0.8	0.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.		
096003 Butlers Gorge	98.0	73	.	.	.	.	28.8	6.6	.	14.8	24.0	4.4	.	.	0.4	4.2	0.6	2.4	11.8	.	.	.	.	.	.	.	.	.		
096033 Liawenee	45.4	0.8	.	.	.	.	19.0	8.2	4.4	0.6	10.2	1.8	.	.	.	.	.	0.4	.	.	0.4	.	.	.	.	.	.	.		
097072 Strahan Aerodrome	150.6	0.6	.	2.2	.	.	35.4	1.8	27.8	4.8	9.0	30.8	15.0	3.6	0.4</															