



Australian Government
Bureau of Meteorology

Monthly Weather Review Australia October 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.

Accessing data

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

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Cover photograph

Virga falling from altocumulus over canola fields at Bridgewater in north-western Victoria.

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Overview

- October rainfall below to very much below average for most of Australia; overall sixth-driest October for the country as a whole
- Driest October on record for southern Australia
- Above average October rainfall for part of northwest Australia and parts of central western Queensland
- Third-warmest October on record for Australia in terms of mean temperature
- Mean maximum temperature amongst the ten warmest on record for all States and the Northern Territory, and above average for nearly all of Australia
- Mean minimum temperature above average for large parts of Australia, but cooler than average for parts of the north, and much of Tasmania
- Mean minimum temperature third-warmest on record for October for both South Australia and Western Australia

Areal averages in October 2019

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	-63% 6th-lowest	+2.91 °C 2nd-highest	+1.42 °C 8th-highest	+2.17 °C 3rd-highest
Western Australia	-57%	+3.58 °C 2nd-highest	+1.99 °C 3rd-highest	+2.79 °C 2nd-highest
Northern Territory	-68%	+2.30 °C 2nd-highest	+1.04 °C	+1.67 °C 8th-highest
South Australia	-89% 3rd-lowest	+3.76 °C 3rd-highest	+1.75 °C 3rd-highest	+2.76 °C 3rd-highest
Queensland	-45%	+1.85 °C 10th-highest	+1.00 °C	+1.43 °C
New South Wales	-77% 6th-lowest	+3.29 °C 4th-highest	+1.27 °C	+2.28 °C 4th-highest
Victoria	-63% 10th-lowest	+2.39 °C 8th-highest	+0.14 °C	+1.27 °C
Tasmania	-51% 8th-lowest	+1.59 °C 6th-highest	-0.68 °C	+0.46 °C

Extremes in October 2019

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	44.4 °C at Fitzroy Crossing Aero (WA) on the 20th	-7.8 °C at Liawenee (Tas.) on the 5th	136.0 mm at Rainbow Beach (Qld) on the 1st	33.1 °C at Bradshaw - Angallari Valley (Defence) (NT)	5.1 °C at kunanyi (Mount Wellington Pinnacle) (Tas.)	250.6 mm at Mount Read* (Tas.)	131 km/h at Maatsuyker Island Lighthouse (Tas.) on the 18th
Western Australia	44.4 °C at Fitzroy Crossing Aero on the 20th	-1.5 °C at Eyre on the 17th	43.2 mm at Bangalup on the 5th	32.8 °C at Argyle Aerodrome and Fitzroy Crossing Aero	14.1 °C at Shannon	91.2 mm at Wereroa	107 km/h at Rottnest Island on the 4th
Northern Territory	44.1 °C at Douglas River Research Farm on the 20th	7.2 °C at Arltunga on the 11th	59.0 mm at Leaders Creek on the 27th	33.1 °C at Bradshaw - Angallari Valley (Defence)	24.2 °C at Arltunga	102.7 mm at Geriatric Park	91 km/h at Walungurru Airport on the 19th
South Australia	42.4 °C at Tarcoola Aero on the 5th	-2.2 °C at Keith (Munkora) on the 9th	20.2 mm at Wellington (Brinkley South) on the 16th	25.4 °C at Oodnadatta Airport	13.6 °C at Mount Gambier Aero	55.4 mm at Lake Leake (Kooeyong)	106 km/h at Tarcoola Aero on the 24th
Queensland	43.2 °C at Urandangi Aerodrome on the 16th	3.0 °C at Applethorpe on the 3rd	136.0 mm at Rainbow Beach on the 1st	30.0 °C at Normanton Airport	16.9 °C at Applethorpe	249.0 mm at Bellenden Ker Top Stn	96 km/h at Thargomindah Airport on the 16th
New South Wales	40.7 °C at Casino Airport AWS on the 8th	-7.6 °C at Perisher Valley AWS on the 10th	59.0 mm at Comboyne (Public School) on the 13th	23.8 °C at Tibooburra Airport	6.3 °C at Perisher Valley AWS	103.7 mm at Thredbo Village	124 km/h at Murrurundi Gap AWS on the 26th
Victoria	38.1 °C at Swan Hill Aerodrome on the 24th	-6.2 °C at Mount Hotham on the 9th	38.8 mm at Holland Ck at Wrightley on the 12th	18.5 °C at Mildura Airport	5.4 °C at Mount Hotham	124.0 mm at Tanybryn	126 km/h at Wilsons Promontory Lighthouse on the 6th
Tasmania	32.0 °C at Ouse Fire Station on the 31st	-7.8 °C at Liawenee on the 5th	69.0 mm at Bicheno (Denison River) on the 16th	13.6 °C at larapuna (Eddystone Point)	5.1 °C at kunanyi (Mount Wellington Pinnacle)	250.6 mm at Mount Read*	131 km/h at Maatsuyker Island Lighthouse on the 18th

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.

* **Note the true value at Mount Read was probably higher**

Significant weather

Severe Thunderstorms in Queensland

On the 1st, severe thunderstorms developed overnight in the northern suburbs of Brisbane, then they slowly tracked north to the Sunshine Coast. Widespread rainfall totals of 50 to 100 mm were recorded from Redcliffe to Noosa. Caboolture had falls of around 100 mm falling in about an hour or two.

On the 17th, severe thunderstorms developed from the Central Highlands, the Darling Downs and South East Coast districts. Some damage included small hail falling at Stanthorpe on the Granite Belt and strong winds brought down trees in the Lockyer Valley in the afternoon. Power was restored to around 20 000 homes.

Bushfires in southeast Queensland

By 3 pm on 8 October at Laidley and Grandchester (west of Brisbane), a severe and fast-moving fire was travelling northeast towards Laidley. A large, unpredictable fire was also travelling east towards Grandchester, but was contained by fire crews by 7 pm. A house was destroyed at Thornton (south of Laidley) early in the day.

Other fires were burning north of Dalby, at The Ridge; at Mount Sylvia (Lefthand Branch, Thornton, Mulgowie fires); Mount Morgan and Childers, but all were under control by the 9th.

Bushfires in New South Wales

Long Gully Road, Drake Fire

On 8 October, a bushfire was burning in the Long Gully Road, Drake area. The fire had burnt over 66 000 hectares since early September. The fire crossed North Ewingar Road and burnt towards Ridge Road, Grandview Road, Hunters Road, Valley View Road and Peckhams Road. Spot fires were reported east of the Clarence River and Clarence Way. The fire crossed the Clarence River and burnt eastwards through the Keybarbin State Forest and Mount Belmore State Forest towards Coongbar and Wyan Creek. Embers from this fire started spot fires to the south of the Busbys Flat fire in the area of Wyan Creek and Seery Road.

By 9 October, the Long Gully Road Fire had burnt to western edge of the Busbys Flat fire (see below). The Long Gully Road fire had burnt more than 78 000 hectares since early September. An elderly couple were found dead in their home in Coongbar on Thursday 10 October, which was destroyed by the Long Gully fire.

Busbys Flat and Rappville fires

On 8 October, in the Richmond Valley LGA, a bushfire was burning at Busbys Flat, Wyan, Myrtle Creek and Rappville. The fire had burnt more than 4 200 hectares and was out of control. The fire was burning in the area of Rappville, Wyan, The Island, Myrtle Creek, Wineshanty, and Mount Belmore State Forest. The fire was moving quickly eastward and had crossed the Summerland Way and impacted the West Bungawalbin area overnight on the 8th. A wind change moved across the fire ground, and pushed the fire north towards Coombell and Ellangowan.

By the afternoon of 9 October, the bushfire had burnt more than 25 000 hectares and was out of control. The fire was burning in the area of Rappville, Wyan, The Island, Myrtle Creek, Wineshanty, and Mount Belmore State Forest. More than 38 650 hectares burnt by the afternoon of 9 October. A large number of homes were destroyed, including 15 at Rappville and 6 at Drake in northeastern New South Wales.

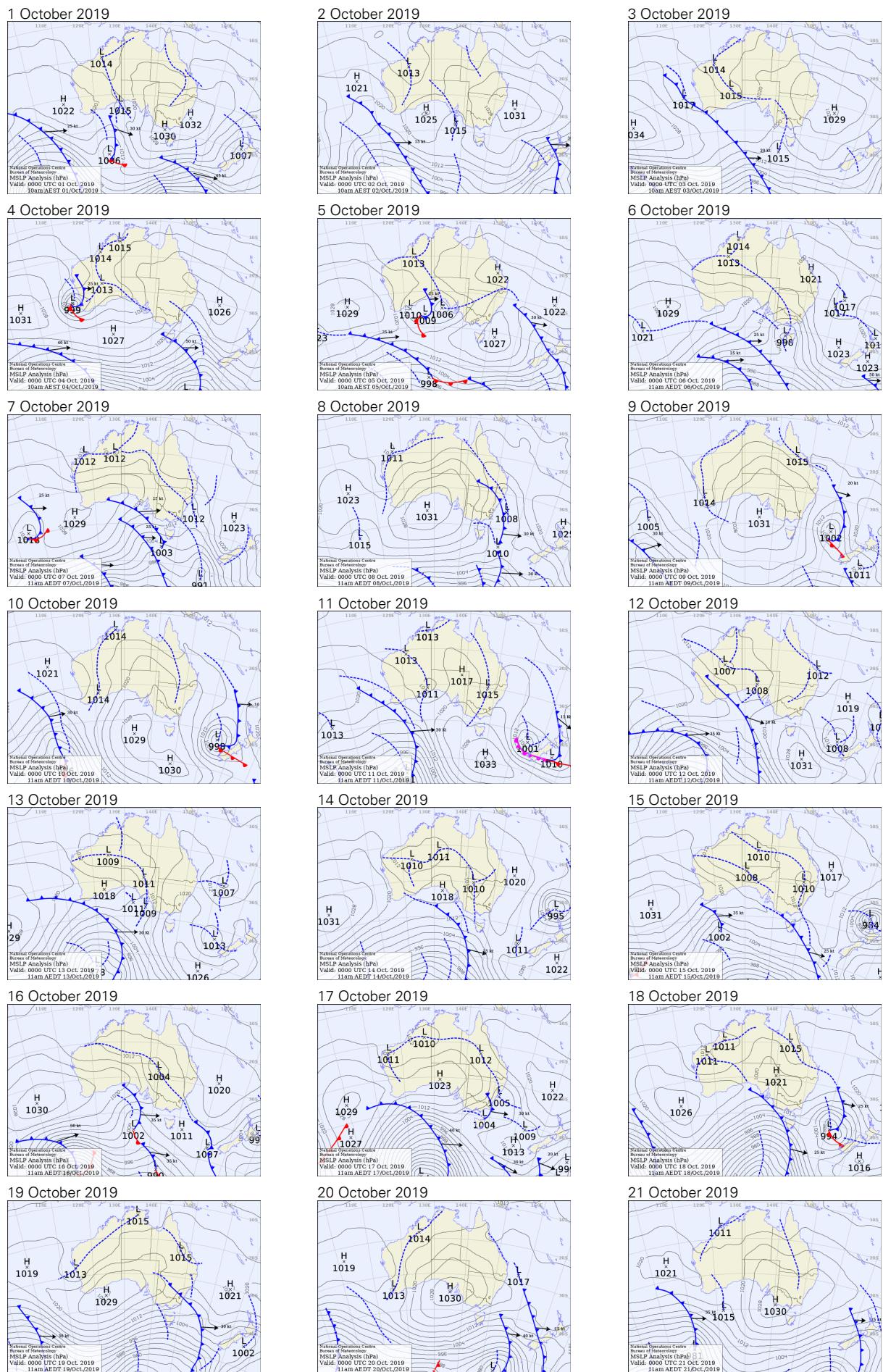
By 17 October, the New South Wales Rural Fire Service (RFS) confirmed 44 homes were destroyed by the Busbys Flat fire and 19 in the Drake fire; and another home was lost at the Purgatory Creek fire at Jackadgery, west of Grafton. 153 outbuildings and seven other facilities were destroyed.

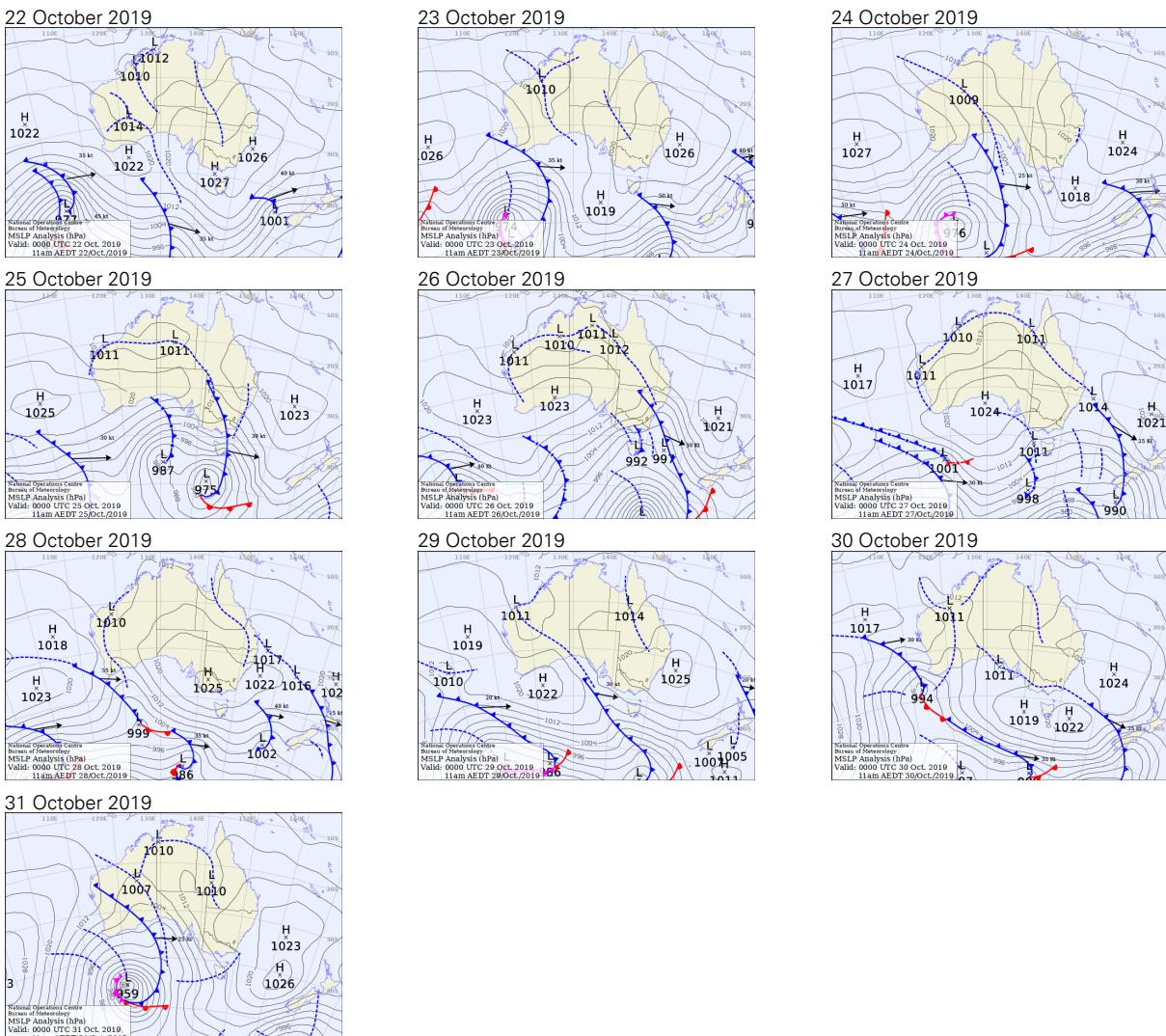
Bushfires in South Australia

On 24 October, strong northerly winds combined with existing dry conditions and high temperatures to create dangerous fire weather. Several fires burnt across South Australia, including one at Wongulla in the Murraylands where several firefighters were injured.

A fire at Port Lincoln, on South Australia's Eyre Peninsula, on 12 November burned about 5 000 hectares and damaged at least 11 properties.

Synoptic analyses and summary





Synoptic summary

Cold fronts and low pressure systems tracked across southern Australia at the start of the month. A large high pressure system lingered over southeast Australia until the 10th. A surface trough and upper-level disturbance extended along eastern Australia. A trough also extended across northern and northwestern Australia, as large areas of low pressure dominated most of the continent to mid-month.

Another series of cold fronts and pre-frontal troughs tracked across southeast Australia after the middle of the month, with surface troughs extending north from southeast to northwest Queensland.

By the third week of October, a high pressure system dominated much of southern Australia for several days, and extended a firm ridge along the east coast of Queensland. During the last part of the month, another series of cold fronts moved across southeast Australia. In the north, broad low pressure troughs lingered across the northern tropics.

At the end of the month, a surface trough and upper-level disturbance was located over western Queensland.

Temperatures

October was warmer than average for Australia as a whole, with the national mean temperature third-warmest on record at 2.17 °C above average.

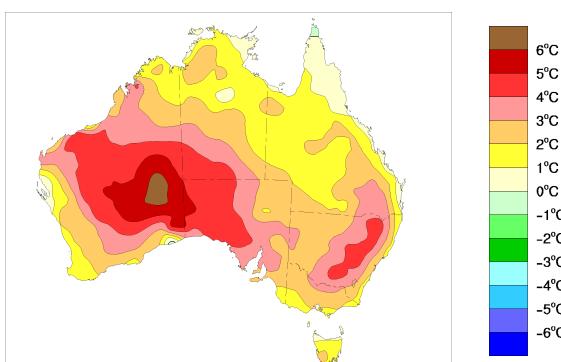
Both the mean maximum and mean minimum temperatures for the month were much warmer than average for October, with the mean maximum coming in as the second-warmest on record for October at 2.91 °C above average, while the mean minimum was the eighth-warmest on record for October with an anomaly of +1.42 °C.

The October mean maximum temperature was amongst the ten warmest on record for all States and the Northern Territory. The October mean minimum temperature was third-warmest on record for both South Australia and Western Australia.

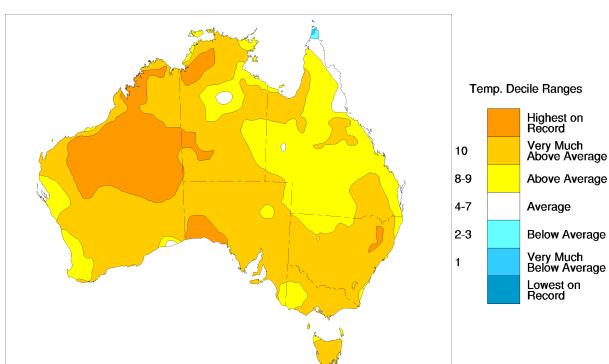
Maximum temperatures

Maximum temperatures for October were above to very much above average for nearly all of Australia, and close to average for the eastern coast of the Cape York Peninsula in Queensland.

Anomalies of mean daily maximum temperature in October 2019



Decile rank of mean daily maximum temperature in October 2019



Maximum temperatures were warmest on record for October for large areas of Western Australia and parts of the Northern Territory and southwestern South

Australia. Some sites in Western Australia and the Northern Territory set records for warmest October mean maximum temperature.

During the first part of October, northerly winds ahead of a low pressure system passing over the southern coastline brought warm days. Some daily high October temperature records were set in South Australia and New South Wales between the 5th and the 8th.

Warmer than usual days were experienced over central and some eastern parts in the middle of the month. Several stations in the Northern Territory observed record warm days during the middle third of the month. A sustained period of very high temperatures was brought on by a broad area of low pressure over central Australia and hot northeast to northwest winds over most of the Territory around mid-month, with clear skies over the northern half of the Territory in the days after mid-October.

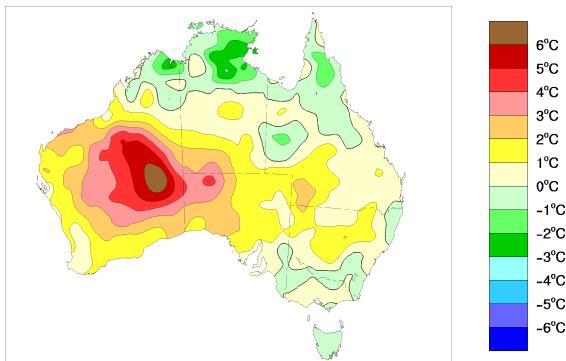
Between the 24th and 25th, parts of southeastern Australia experienced temperatures much warmer than average due to a slow-moving high pressure system to the east of Australia, accompanied by northerly winds ahead of a cold front crossing southern Australia. Days were more than 12 degrees warmer than average across large areas, with daily records set at several sites in South Australia, and a few in Tasmania, and Victoria on the 24th.

Hot, dry and windy conditions ahead of the front led to elevated fire danger across parts of eastern Australia, and renewed fire activity in northeastern New South Wales and southeastern Queensland.

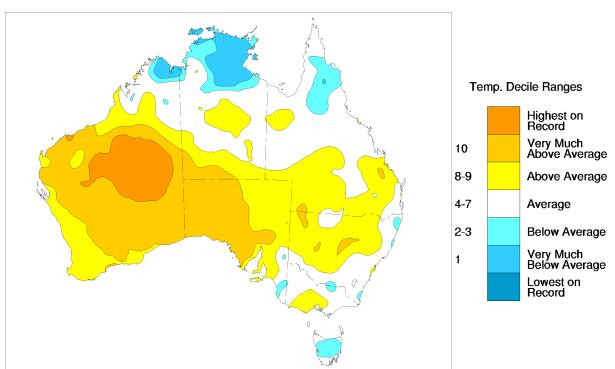
Minimum temperatures

The mean minimum temperature for the month was above to very much above average for most of Western Australia except the Kimberley, most of South Australia except parts of the southeast, much of the southern half of the Northern Territory, southern Queensland, most of New South Wales away from the coast and the southern border, and for southwestern and central southern Victoria.

Anomalies of mean daily minimum temperature in October 2019



Decile rank of mean daily minimum temperature in October 2019



Mean minimum temperatures for the month were cooler than average for the far northern Kimberley, the Top End in the northern Territory, a large part of the central to eastern Cape York Peninsula in Queensland, and much of Tasmania away from the northwest, south, and extreme northeastern tip.

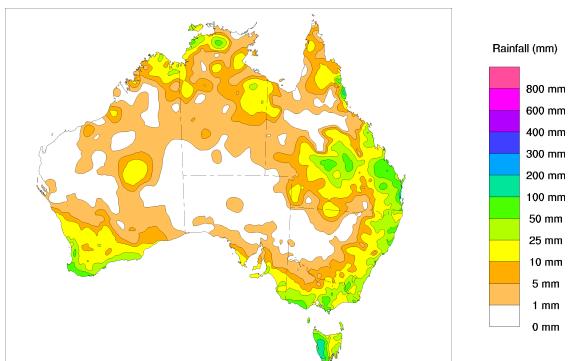
The same system that produced record high daytime temperatures also brought very warm nights, with some records for high minimum temperature set in Victoria and many in New South Wales on the mornings of the 25th and 26th.

Some sites in inland southern Queensland also reported a record warm October night on the 17th.

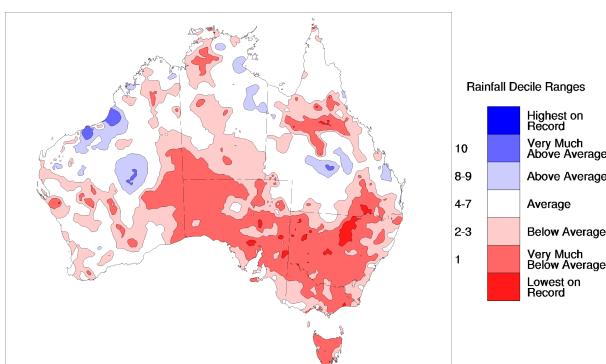
Rainfall

October rainfall was very much below average for the country as a whole, with the national total ranking the sixth-driest out of 120 Octobers. Rainfall for the month was amongst the ten lowest on record for October for New South Wales, Victoria, Tasmania, South Australia, and Western Australia.

Total rainfall in October 2019



Decile rank of total rainfall in October 2019



For southern Australia (south of 26°S) it was the driest October on record, while for the Murray-Darling Basin it was the fifth-driest on record for October.

Rainfall was below to very much below average across most of Australia, including nearly all of New South Wales, Victoria, South Australia, and Tasmania; the south of the Northern Territory, extending through parts of the central Territory to the western half of the Top End; parts of the central Kimberley, southeastern Interior, and large parts of southern and western Western Australia; and much of northern inland and eastern Queensland.

October rainfall was above average for the month in parts of western Queensland, northwestern Western Australia between Port Hedland and Broome, and in the centre of that State, and for small areas of the Roper-McArthur District in the northeastern Northern Territory, but totals were generally modest in these areas.

At the start of the month, a surface and upper level trough and moist onshore flow produced showers and thunderstorms over the southeast to Capricornia regions of Queensland. Onshore flow brought showers to parts of Queensland's North Tropical Coast. In the west, a developing low pressure system and an associated cold front approaching the west coast of Western Australia generated falls in excess of 15 mm in far southwest Western Australia. In the east, a cold front and low pressure trough crossed the southeast bringing showers to Victoria, Tasmania, and across New South Wales from the southeast to the Hunter District.

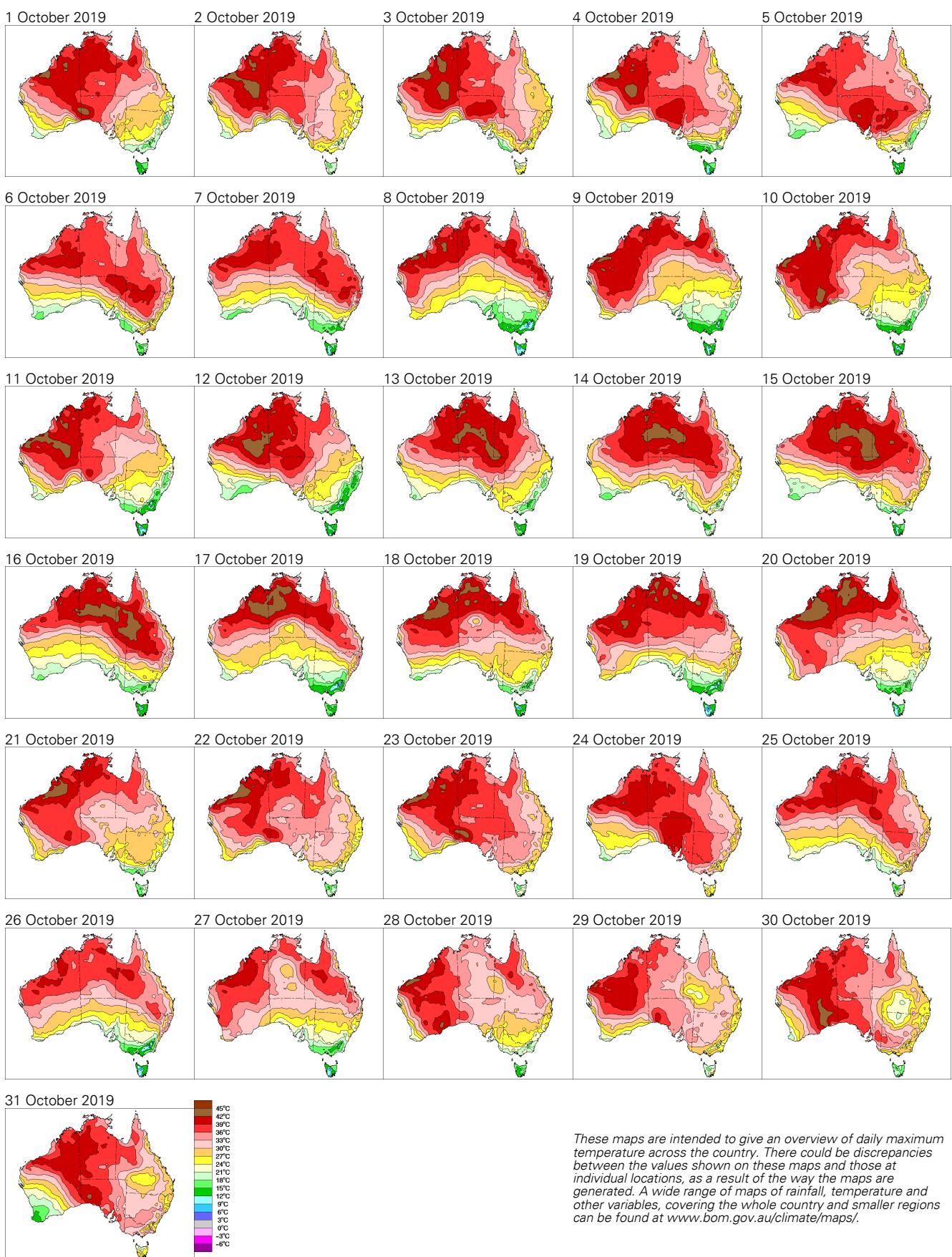
Around the 11th, a surface trough had formed through eastern Australia, with scattered thunderstorms forming to the east of this trough along the east coast and in Tasmania. Rainfall totals were locally heavy in parts of Queensland between Bundaberg and Rockhampton, and in parts of the Sunshine Coast.

On the 16th, a cold front in the southwest tracked across the Great Australian Bight, with an associated low pressure system developing to the west of Tasmania. Widespread light falls were recorded across southeastern South Australia, most of Victoria, western and southern Tasmania, and southern New South Wales. Heavier falls were reported in western Tasmania, southern central to northeastern Victoria, and in elevated parts of the Snowy Mountains in New South Wales. By the 20th, a surface trough extending through eastern Queensland combined with an upper-level disturbance, and generated thunderstorms and showers with moderate falls recorded in areas from central to southeast Queensland.

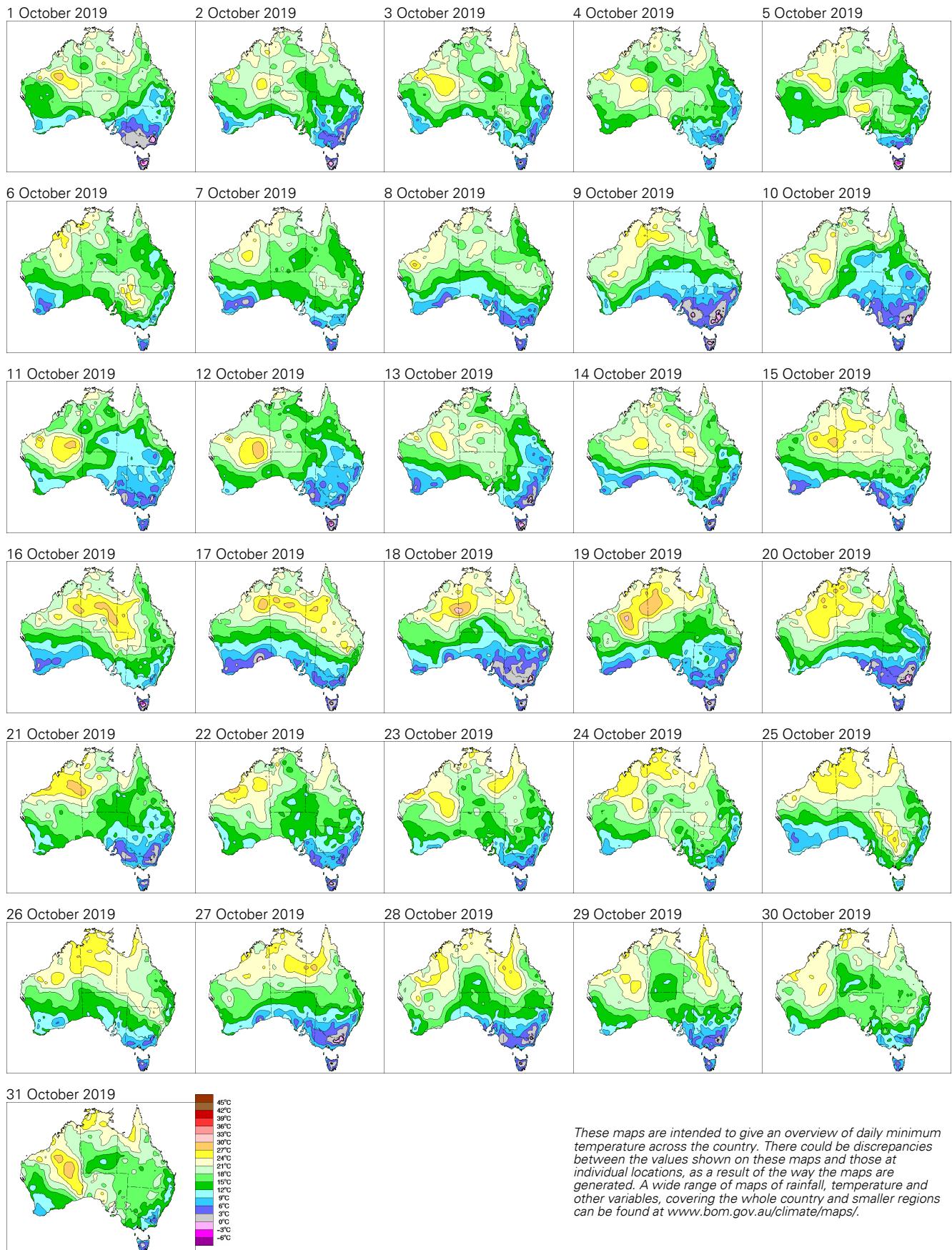
For remainder of the month, moist onshore southeasterly trade winds brought showers and moderate falls to the north tropical coast of Queensland, and isolated thunderstorms and showers developed in parts of the Kimberley and eastern Northern Territory along broad surface troughs situated over northern Australia. At the end of the month, an upper-level trough generated an extensive cloudband with isolated thunderstorms over the Northern Territory and western Queensland. These storms brought moderate to locally heavy falls to parts of central western Queensland, resulting in above average rainfall for the month after dry conditions across the rest of October.

Daily maps

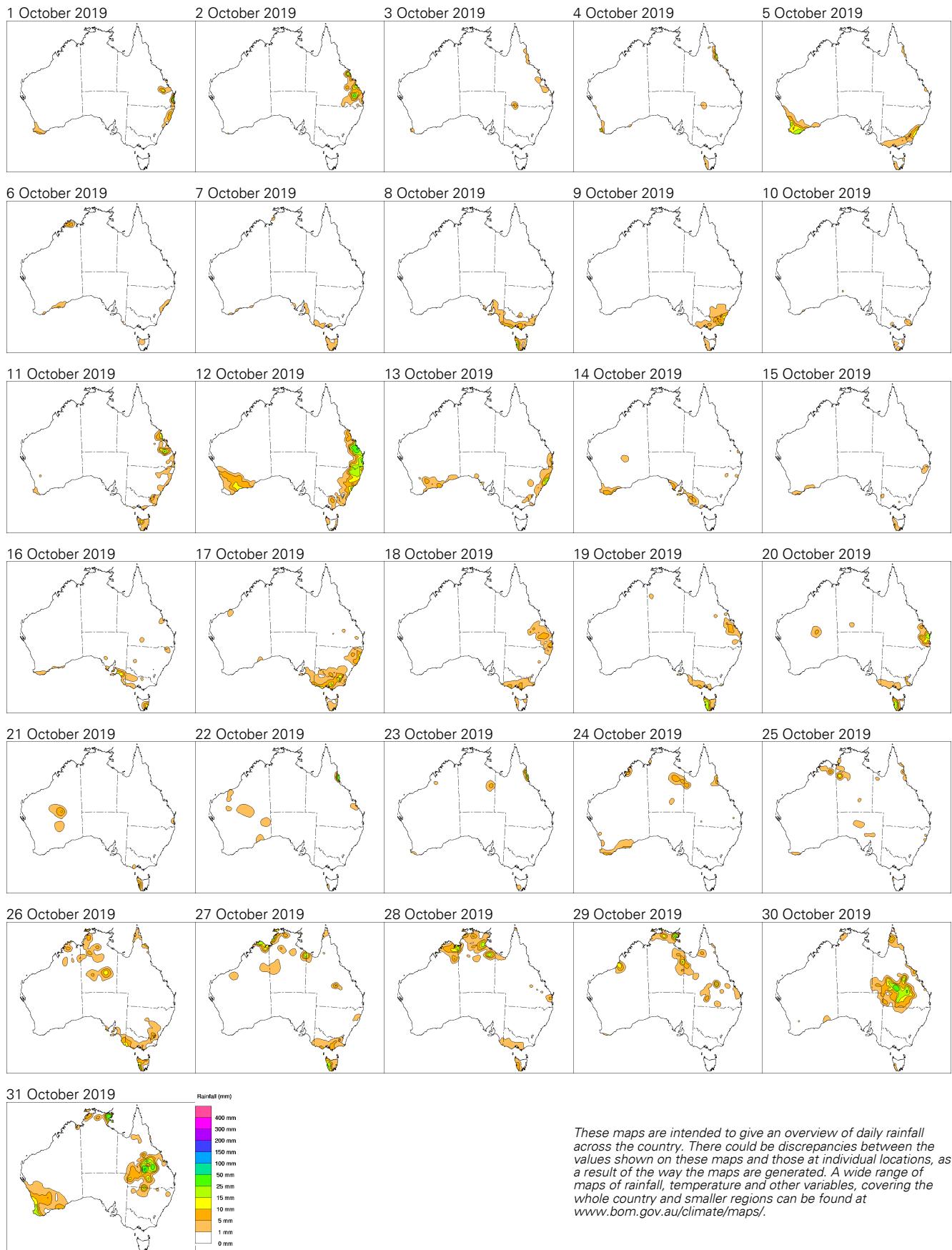
Daily maximum temperature maps



Daily minimum temperature maps



Daily rainfall maps



Records

Record highest October daily maximum temperature

		New record	Old record	Years of record
Western Australia				
009053	Pearce RAAF	38.0 on 27th	= 38.0 on 29th in 1967	62
Northern Territory				
014198	Jabiru Airport	42.3 on 19th	41.6 on 29th in 2014	42
014901	Douglas River Research Farm	44.1 on 20th	42.6 on 20th in 2002	30
014932	Tindal RAAF	42.7 on 17th	42.3 on 23rd in 2002	32
South Australia				
018014	Cleve	39.7 on 5th	39.0 on 12th in 2006	62
018040	Kimba	39.0 on 5th	= 39.0 on 12th in 2006	52
026021	Mount Gambier Aero	34.4 on 24th	33.3 on 27th in 1977	78
New South Wales				
056013	Glen Innes Ag Research Stn	31.8 on 7th	31.0 on 27th in 2014	46
070005	Bombala (Therry Street)	32.0 on 31st	31.5 on 19th in 2008	53
Victoria				
085072	East Sale	34.9 on 31st	34.7 on 12th in 2006	75
085279	Bairnsdale Airport	35.8 on 31st	35.3 on 31st in 2012	40
090171	Portland (Cashmore Airport)	32.8 on 24th	= 32.8 on 5th in 2015	38
Tasmania				
096003	Butlers Gorge	26.8 on 31st	26.4 on 18th in 2017	58
096071	Lake St Clair National Park	26.1 on 24th	25.7 on 16th in 1994	30
<i>= indicates the new record equals the old one.</i>				

Record highest October mean maximum temperature

		New record	Old record	Years of record
Western Australia				
004032	Port Hedland Airport	39.2	39.0 in 2015	72
005007	Learmouth Airport	36.2 =	36.2 in 2015	45
007045	Meekatharra Airport	34.3	34.1 in 2015	70
013011	Warburton Airfield	37.1	36.7 in 2015	47
013012	Wiluna	35.3 =	35.3 in 2015	118
013017	Giles Meteorological Office	36.4	36.1 in 2015	64
013030	Telfer Aero	40.8	40.1 in 2015	44
Northern Territory				
014901	Douglas River Research Farm	40.0	39.7 in 2008	30
014932	Tindal RAAF	39.4 =	39.4 in 2013	32
South Australia				
018012	Ceduna AMO	28.2	27.7 in 2015	79
018069	Elliston	25.0	24.5 in 2014	58
018106	Nullarbor	28.6	27.6 in 2015	32
New South Wales				
055136	Woolbrook (Woolbrook Road)	24.5	24.4 in 2002	48
056013	Glen Innes Ag Research Stn	24.1	23.5 in 1988	46
056018	Inverell Research Centre	27.3	27.0 in 2014	62
056229	Guyra Hospital	21.8	21.5 in 2014	36
<i>= indicates the new record equals the old one.</i>				

Highest October mean maximum temperature for at least 30 years

		Observed this month	Most recent higher
Western Australia			
004019	Mandora	39.0	= 39.0 in 1988
South Australia			
023000	Adelaide (West Terrace / ngayirdapira)	23.8	24.3 in 1940 *

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

Record lowest October daily minimum temperature

		New record	Old record	Years of record
Victoria				
076064	Walpeup Research	0.3 on 9th	0.6 on 11th in 1993	52
086282	Melbourne Airport	1.0 on 1st	1.3 on 22nd in 2006	50

Record lowest October mean minimum temperature

		New record	Old record	Years of record
Western Australia				
002056	Kununurra Aero	21.2	21.4 in 2012	34
Northern Territory				
014932	Tindal RAAF	21.2	21.3 in 2006	32
New South Wales				
200839	Lord Howe Island Aero	14.4 =	14.4 in 1992	31
Tasmania				
092019	Lake Leake (Elizabeth River)	1.8	2.0 in 2003	30

= indicates the new record equals the old one.

Lowest October mean minimum temperature for at least 30 years

		Observed this month	Most recent lower
Tasmania			
096003	Butlers Gorge	1.2	1.0 in 1946 *

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

Record highest October daily minimum temperature

		New record	Old record	Years of record
Northern Territory				
014840	Wave Hill	30.6 on 19th	30.2 on 10th in 2013	46
South Australia				
018120	Whyalla Aero	23.5 on 31st	22.3 on 17th in 1998	35
Queensland				
041100	Texas Post Office	22.4 on 17th	22.2 on 10th in 2000	50
043015	Injune Post Office	22.3 on 17th =	22.3 on 12th in 2017	53
New South Wales				
050052	Condobolin Ag Research Stn	24.4 on 25th	23.5 on 31st in 2008	55
055136	Woolbrook (Woolbrook Road)	16.3 on 26th	15.2 on 8th in 2002	48
061250	Paterson (Tocal AWS)	21.5 on 26th	21.0 on 12th in 1996	47
074106	Tocumwal Airport	21.0 on 25th	20.5 on 24th in 2011	49
075039	Lake Cargelligo Airport	23.8 on 25th	22.1 on 25th in 2006	49
Victoria				
080091	Kyabram	21.0 on 25th	19.9 on 5th in 1970	53
= indicates the new record equals the old one.				

Record highest October mean minimum temperature

		New record	Old record	Years of record
Western Australia				
013011	Warburton Airfield	21.3	20.9 in 2015	46
013030	Telfer Aero	24.6	24.3 in 1991	44
South Australia				
018069	Elliston	12.7 =	12.7 in 2015	58
= indicates the new record equals the old one.				

Record highest October mean temperature

		New record	Old record	Years of record
Western Australia				
007045	Meekatharra Airport	26.5 =	26.5 in 2015	70
013011	Warburton Airfield	29.2	28.8 in 2015	46
013017	Giles Meteorological Office	28.7 =	28.7 in 2015	64
013030	Telfer Aero	32.7	32.1 in 1991	44
South Australia				
018012	Ceduna AMO	20.2 =	20.2 in 2015	79
018069	Elliston	18.9	18.5 in 2015	58
New South Wales				
055136	Woolbrook (Woolbrook Road)	15.7 =	15.7 in 2018	48
= indicates the new record equals the old one.				

Record highest October daily rainfall

		New record	Old record	Years of record
Queensland				
036040	Springleigh	75.0 on 30th	68.0 on 15th in 2010	77
039255	Springs	161.0 on 12th	131.4 on 17th in 2017	59
045032	Plevna Downs	53.0 on 31st	38.0 on 11th in 2007	48

Record highest October total rainfall

		New record	Old record	Years of record
Western Australia				
005082	Eramurra Pool	0.0 =	0.0 in 2018	33
<i>= indicates the new record equals the old one.</i>				

Highest October total rainfall for at least 30 years

		Observed this month	Most recent higher
Western Australia			
004008	Carlindie	12.0	12.7 in 1957 *
<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 October total rainfall

		New record	Old record	Years of record
Western Australia				
009619	Wilgarrup	0.0	5.0 in 1969	116
South Australia				
018022	Cowell	0.0	0.5 in 1970	133
018120	Whyalla Aero	0.0	0.1 in 2006	38
018193	Kimba (Cortlinye)	0.0	0.1 in 2004	69
023076	Port Parham	1.4	4.4 in 2008	48
Queensland				
041131	Cooranga North	1.0	1.1 in 1940	52
043090	Beardmore Dam	0.0	1.6 in 2006	45
New South Wales				
051033	Nyngan (Mudall)	0.0	1.3 in 2006	125
051042	Quambone Station	0.1	1.0 in 2002	119
051133	Warrumbungle (Miagunyah)	0.0	1.0 in 1971	60
052067	Rowena Post Office	0.2	0.4 in 2002	49
053018	Croppa Creek (Krui Plains)	1.4	2.0 in 1946	106
053095	North Star (Wolonga)	0.0	8.8 in 2009	43
054004	Bingara Post Office	0.0	6.3 in 1936	139
054125	Caroda (Roseberry Park)	13.2	14.0 in 1989	50
055136	Woolbrook (Woolbrook Road)	15.0	16.8 in 2013	61
055157	Winton (Dalblair)	7.0	8.4 in 1991	60
055176	Loomberah (Pendene)	10.4	12.6 in 2014	60
055181	Dungowan (Ravencroft)	12.1	17.9 in 1971	59
055276	Keepit Dam	0.0	2.0 in 2002	65
055311	Duri Post Office	7.0	7.4 in 2002	36
056128	Swan Vale (Numeralla)	22.4 =	22.4 in 2006	63
056139	Ben Lomond (Koala)	22.6	24.0 in 2014	61
057091	Uralla (Blue Nobby)	16.0	17.2 in 1977	57
058044	Nimbin Post Office	3.5	7.6 in 1948	97
058127	Clunes (Flatley Drive)	4.2	6.4 in 1968	58
058171	Meerschaum Vale (Jenbetdaph)	5.0	9.4 in 1988	43
061260	Cessnock Airport AWS	2.8	4.0 in 2012	31
062093	Windamere Dam	0.8	3.4 in 2002	44
070084	Tombong (Hillcrest)	2.8	6.4 in 1914	110
Victoria				
084045	Lake Tyers	15.0	25.6 in 2007	59
084093	Bete Bolong (Russells Estate)	19.2	23.0 in 1991	50
084096	Buchan South	11.2	24.6 in 1991	50
Tasmania				
094068	Woodbridge	24.4	29.2 in 2015	68
094125	Margate (Sunnyside)	19.8	20.2 in 2015	52
094139	Fern Tree (Grays Road)	0.0	35.8 in 2015	53
094175	Lucaston (Bakers Creek Road)	20.6	23.8 in 2015	40

= indicates the new record equals the old one.

Lowest October total rainfall for at least 30 years

		Observed this month	Most recent lower month
Western Australia			
009738	Muja Power Station	4.0	1.8 in 1969 *
012029	Fraser Range	3.0	0.0 in 1981 *
200284	Cocos Island Airport	0.8	0.6 in 1946
South Australia			
019006	Booleroo Centre	1.0	0.0 in 1888 *
019031	Oodla Wirra	0.6	0.0 in 1965 *
021034	Mount Bryan	1.8	0.0 in 1897 *
023012	Owen	3.7	2.1 in 1969 *
024010	Moorook	0.8	0.5 in 1969 *
Queensland			
041134	Top Plains	11.2	8.6 in 1988
043015	Injune Post Office	6.6	0.5 in 1948
043043	Yuleba Garden St	4.4	0.9 in 1988 *
043091	Roma Airport	0.8	0.0 in 1988
New South Wales			
048031	Collarenebri (Albert St)	0.2	0.0 in 1944
053035	Bellata (Aberfeldie)	0.6	0.0 in 1936 *
055164	Weabonga (Stoneleigh)	9.0	8.6 in 1957
058070	Rosebank (Repentance Creek)	9.8	0.0 in 1962 *
Victoria			
082056	Wodonga	11.0	4.3 in 1940 *
084025	Nicholson (Yendalock)	13.0	10.6 in 1911 *
Tasmania			
094022	Fort Direction	13.4	5.2 in 1982 *
094043	Middleton Post Office	26.4	17.5 in 1963 *

* 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 October 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	29	30	31	
001019 Kalumburu	38.5	36.8	38.9	41.8	36.6	35.7	35.8	38.3	36.5	37.6	41.5	42.4	39.0	40.0	38.1	38.0	37.4	42.4	36.3	40.0	39.4	38.6	41.8	37.5	37.0	37.3	40.3	38.4	37.6	37.5	39.3	36.8	
002056 Kununurra Aero	39.9	40.1	41.3	41.2	39.0	37.6	38.9	38.4	41.2	40.8	40.7	40.6	41.9	41.9	40.9	40.1	40.8	42.3	40.8	41.4	41.8	40.4	40.5	39.6	38.9	40.5	37.6	37.9	34.3	37.1	39.5	39.6	
003003 Broome Airport	33.6	+0.7	31.4	32.2	32.2	31.8	34.3	31.1	32.0	31.9	33.9	32.0	33.0	31.8	30.8	33.0	33.2	32.6	33.0	37.0	34.5	38.0	40.9	42.6	30.4	32.9	32.0	32.4	32.6	32.8			
003032 Derby Aero	38.8	37.4	40.8	40.0	37.9	36.0	36.4	36.2	39.3	39.0	41.2	39.7	38.4	38.1	40.3	39.8	39.3	40.6	38.8	43.8	41.4	39.2	39.0	35.7	36.1	38.9	41.4	39.0	36.4	38.0	35.8		
004032 Port Hedland Airport	39.2	+4.5	41.1	41.4	41.8	41.6	41.4	35.7	36.1	40.1	41.5	38.7	43.0	35.6	36.3	34.9	32.9	36.2	39.8	41.1	36.9	40.9	40.4	41.5	43.0	41.2	38.9	35.1	41.1	47.1	36.5	37.0	39.1
004083 Karatha Aero	37.7	35.7	37.3	39.0	38.8	35.2	39.0	40.1	38.0	40.5	42.0	38.2	40.7	33.8	29.2	31.5	30.5	34.9	38.4	38.6	37.4	37.7	42.3	41.8	38.0	37.3	34.8	38.0	42.1	36.2	35.4		
004106 Marble Bar	41.7	41.8	42.8	42.3	42.3	40.4	41.8	42.1	42.1	42.6	42.2	43.2	42.8	39.4	38.6	38.9	40.6	40.6	42.3	42.5	42.7	42.3	42.0	42.4	42.2	41.6	40.6	41.4	42.4	41.9	42.8	40.9	
005007 Learmonth Airport	36.2	34.5	36.1	34.9	28.5	32.6	38.4	38.2	40.3	40.2	40.4	40.3	34.4	32.4	32.6	35.1	35.8	35.0	33.3	35.8	35.8	32.9	38.6	35.7	37.3	36.9	35.9	39.7	38.9	36.2	32.3		
006011 Carnarvon Airport	26.9	+0.9	25.4	25.8	28.8	24.6	26.7	27.3	29.4	26.5	28.2	27.1	26.2	26.2	25.3	26.7	25.6	28.3	26.4	26.1	25.1	25.8	26.3	26.1	26.8	26.5	31.3	34.0	28.2	26.2	25.8	25.7	24.9
006044 Denham	25.8	26.0	25.5	26.5	23.0	23.0	24.5	27.5	27.5	28.0	27.0	26.0	23.0	23.0	24.0	22.0	25.0	27.0	27.0	26.0	26.0	27.0	25.5	24.2	28.5	29.0	28.5	25.0	27.5	26.5	23.5		
007176 Newman Aero	38.1	37.9	39.7	39.5	38.1	35.2	37.7	39.4	39.7	40.0	40.7	39.1	36.2	36.8	37.2	35.4	37.7	39.2	39.9	39.2	37.2	35.1	38.8	37.2	37.8	39.0	37.9	39.5	39.7	38.7	35.9		
007185 Paraburdoo Aero	38.6	37.5	39.0	39.7	34.3	34.4	39.2	39.9	41.3	42.4	40.3	40.4	37.1	37.1	37.0	35.6	37.7	39.2	39.7	40.8	39.0	40.4	36.5	38.8	36.9	36.0	40.0	39.7	39.6	40.0	37.9	35.3	
007045 Meekatharra Airport	34.3	+4.9	34.6	36.6	35.7	29.3	28.8	31.2	34.3	36.4	40.7	37.7	36.6	31.3	32.0	32.8	29.6	29.9	33.4	36.4	37.3	37.6	37.8	37.0	33.7	29.5	32.2	35.4	37.7	39.4	36.5	33.8	26.5
007600 Mount Magnet Aero	32.3	32.8	32.6	34.5	26.0	25.8	29.1	31.2	37.6	38.8	37.9	34.8	27.6	28.7	26.3	27.8	31.7	34.7	34.6	36.1	35.4	35.6	31.3	37.7	30.3	33.8	37.5	39.5	37.2	34.3	23.5		
008296 Morawa Airport	29.7	26.3	29.3	31.7	22.8	24.7	27.9	31.1	38.2	37.4	32.0	29.4	24.0	25.8	25.8	23.6	25.5	29.8	32.4	36.5	30.4	30.0	32.8	29.0	27.2	28.9	33.9	38.8	33.2	34.4	28.4	20.9	
008297 Dalwallinu	27.7	26.1	26.6	30.1	21.4	22.7	24.7	27.7	34.7	35.8	30.2	28.8	22.1	23.1	23.3	20.8	22.6	27.4	29.2	36.1	30.1	29.0	31.5	27.1	25.7	26.3	31.4	37.1	30.2	31.2	21.6	19.2	
008315 Geraldton Airport	26.5	24.3	26.4	30.0	21.8	23.3	24.0	31.7	36.0	28.0	24.3	25.7	23.3	24	24	22.4	22.8	24.9	25.6	30.0	31	24	24.8	24.4	24	22.3	33.0	39.8	25.1	25.5	21.7		
009021 Perth Airport	24.7	+2.4	23.0	24.3	26.7	22.1	20.9	22.2	25.4	31.0	29.9	24.1	21.2	22.3	21.3	21.3	20.7	22.0	23.6	25.8	32.5	25.2	23.9	26.0	23.5	21.3	24.3	30.6	37.3	24.5	27.8	23.4	
009131 Jurien Bay	24.2	22.9	23.9	23.9	18.9	21.4	21.2	28.6	31.1	24.4	24.1	24.8	21.3	21.5	22.5	20.9	23.3	22.0	27.5	33.9	23.6	23.2	23.9	24.2	32.4	23.8	24.1	21.2	19.4	22.9			
009225 Petro Metro	24.0	22.5	23.5	26.3	20.3	20.4	21.3	25.3	30.8	28.8	23.9	21.1	21.2	20.9	20.8	21.5	22.1	22.1	25.4	32.3	23.9	23.9	25.6	23.5	20.4	23.4	28.5	36.5	22.7	26.8	20.0		
009240 Bickley	21.6	20.1	21.2	23.1	18.0	18.2	17.2	22.0	27.7	28.1	22.0	17.2	18.5	18.2	17.8	16.4	18.2	20.3	22.7	29.0	22.9	23.4	25.2	20.2	18.3	22.7	27.1	33.3	22.1	21.2	24.7	20.5	13.5
009518 Cape Leeuwin	19.2	+0.7	18.0	19.4	18.0	18.6	17.5	18.1	18.7	20.5	20.5	20.4	19.5	18.4	18.4	18.0	17.3	19.2	19.4	18.6	19.8	21.1	20.4	20.6	18.5	20.2	20.2	22.1	19.5	19.1	15.8		
009617 Bridgetown	21.2	20.2	20.7	21.8	17.9	18.2	19.6	24.9	32.5	34.3	22.5	21.7	21.8	17.8	16.9	17.6	19.2	19.7	19.8	26.2	25.4	25.4	25.9	22.8	20.4	20.9	32.9	32.9	22.4	20.3	14.0		
009746 Witchcliffe	20.2	18.2	20.5	17.9	19.7	17.0	18.5	19.9	24.2	20.6	20.6	20.0	18.7	18.9	17.0	17.1	19.0	18.6	18.5	26.0	24.7	22.6	23.3	19.0	17.5	21.3	23.0	29.5	21.2	21.2	20.4	19.2	14.7
009789 Esperance	22.5	25.6	19.5	19.9	18.9	17.1	17.0	23.9	31.1	26.8	21.2	17.6	22.7	18.1	18.3	20.1	21.6	22.6	22.5	35.5	35.5	33.7	37.3	27.7	30.7	30.7	37.3	19.7	32.8	19.3			
009865 Bunbury	21.2	19.2	19.8	22.4	18.1	19.3	18.6	21.4	26.6	25.1	21.1	20.7	18.9	18.8	19.5	22.3	28.7	22.1	21.1	22.6	20.7	18.7	20.4	24.4	28.5	21.8	21.3	20.6	16.0				
009977 Mandurah	22.2	20.4	21.4	23.1	19.0	19.5	19.4	25.1	29.9	24.1	22.3	20.1	20.2	20.2	19.4	18.3	20.0	24.3	23.2	21.9	22.7	21.1	20.8	19.3	22.3	26.0	31.1	23.2	21.1	21.7	13.1		
009999 Albany Airport	20.6	18.7	20.4	19.8	16.7	17.8	22.2	21.1	25.7	18.3	17.6	20.6	15.1	17.7	17.6	20.2	16.4	21.0	21.0	31.2	24.3	25.6	20.4	19.1	20.3	20.4	29.0	23.0	19.6	26.2	15.3		
010007 Bencubbin	26.9	+1.9	26.1	25.9	30.0	22.4	27.1	32.4	32.8	35.7	32.0	28.0	23.0	22.0	21.9	20.5	21.6	26.0	24.3	32.4	37.4	34.5	35.5	30.4	35.4	32.4	30.0	28.0	28.9	18.9			
010052 Forrest	31.5	38.8	34.6	41.8	37.0	32.0	24.4	23.6	24.2	29.7	37.5	39.8	29.8	27.0	28.8	25.5	26.6	33.7	32.6	32.7	36.3	37.5	37.5	37.3	37.1	37.5	37.5	37.5	37.5	37.5	37.5		
012038 Kalgoorlie-Boulder Airport	29.8	+0.4	31.4	35.2	30.9	30.7	24.1	24.1	27.3	35.9	39.2	35.1	21.6	27.0	29.7	22.8	22.3	26.3	26.3	30.2	37.2	35.5	33.9	33.6	26.1	30.4	30.7	30.8	40.7	37.1			
012071 Salmon Gums Res.Stn.	26.4	+2.8	26.9	31.6	25.1	20.3	20.0	22.1	29.9	33.6	38.6	30.1	35.1	25.5	20.4	17.9	25.2	30.3	40.7	38.6	38.9	35.3	36.3	38.6	36.6	37.8	35.7	36.8	37.8	35.7	36.2		
013011 Warburton Airfield	37.1	39.5	41.5	41.8	40.8	38.7	35.0	31.4	32.4	37.4	39.4	41.4	41.6	36.2	39.7	37.5	37.6	30.8	32.4	37.2	35.6	39.0	38.0	35.7	36.9	39.6	38.0	39.9	36.6	37.4	39.6		
013017 Giles Meteorological Office	36.4	+5.0	38.1	38.7	39.0	31.0	37.7	37.5	34.6	33.3	34.8	36.6	36.8	39.9	38.1	36.8	37.9	30.4	33.0	37.4	35.7	37.4	34.2	33.9	35.3	37.0	39.1	30.1					
Northern Territory	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	31	
014015 Darwin Airport	34.3	+1.1	33.8	34.1	34.2	34.4	34.2	33.9	33.3	33.5	34.0	34.5	34.8	33.8	35.8	35.1	32.5	34.4	36.4	36.0	35.2	38.2	35.0	35.6	35.5	35.1	33.1	32.7	34.5	34.5	32.9	33.8	
014198 Jabiru Airport	39.0	39.7	36.8	38.1	39.1	38.4	39.8	39.0	38.4	40.4	39.6	38.8	38.8	40.8	40.4	41.8	42.3	42.1	41.2	41.7	37.8	37.5	38.0	38.6	37.5	37.2	34.8	37.5	37.5	37.5	37.5		
014932 Tindal RAAF	39.4	40.5	40.6	38.7	38.1	37.8	37.3	38.0	39.1	39.8	39.3	40.2	40.8	40.1	40.7	41.1	42.2	42.7	42.6	41.4	42.2	39.7	38.5	38.9	38.1	37.9	37.5	35.5	38.4	38.4	38.4		
014508 Gove Airport	32.0	32.3	31.1	30.4	31.0	30.8	31.0	31.5	30.1	31.4	34.6	32.4	32.2	31.0	32.1	32.2	32.3	32.0	32.3	32.0	31.4	31.3	32.6	32.3	32.2	31.1	32.9	31.7	32.0	32.2	31.7		
014723 Broome Airport	38.8	39.3	40.2	36.6	35.5	35.4	36.1	37.8	32.7	41.1	39.1	39.3																					

Daily and mean maximum temperatures for October 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	29	30	31	
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	31	
048027 Cobar MO	29.0	+3.3	27.8	30.2	32.5	33.1	36.9	38.7	31.3	20.0	21.6	23.7	23.8	25.4	26.8	34.0	32.7	29.5	22.9	26.4	28.9	23.3	28.4	32.0	33.1	35.6	35.4	25.5	26.3	27.8	32.2	24.0	30.7
048245 Bourke Airport AWS	31.1	29.1	30.6	32.4	35.4	38.9	40.1	36.7	23.5	24.2	26.1	26.4	28.6	37.0	35.1	37.3	27.3	28.0	31.6	25.9	30.0	33.0	34.3	36.4	37.8	28.9	28.5	30.4	32.2	21.5	30.2		
049000 Ivanhoe Aerodrome AWS	28.6	27.1	32.0	34.6	32.3	36.7	37.3	26.6	20.0	20.5	22.6	23.1	25.3	27.3	33.5	29.2	27.7	22.3	27.1	23.0	22.4	27.6	31.2	35.0	37.8	32.9	24.6	24.2	27.0	32.7	29.0	31.8	
050052 Condobolin Ag Research Stn	28.0	+3.2	26.6	29.4	32.6	30.5	32.0	37.7	28.8	19.0	20.4	23.6	21.9	22.1	24.8	30.8	32.1	26.3	21.1	24.5	25.2	22.2	28.0	31.8	33.4	34.6	34.0	23.8	24.7	26.9	31.5	32.7	33.5
051039 Nyngan Airport	27.5	28.5	31.2					38.5	21.8	22.0	24.5				26.0	32.5	33.8	32.0	24.3	26.5	29.5	24.5	28.3	31.5	33.0	35.0							
052088 Walgett Airport AWS	31.2	29.1	28.7	31.2	34.8	36.4	39.1	39.6	27.2	24.0	26.0	27.0	25.3	27.5	32.9	35.7	38.6	30.5	27.5	30.9	25.7	29.7	31.8	33.8	34.9	36.8	34.0	28.0	31.1	31.6	26.2	32.7	
053115 Moree Aero	30.9	28.8	27.7	29.4	33.0	35.1	38.1	39.5	30.3	25.2	25.4	26.5	23.6	26.2	31.0	34.1	38.1	33.1	28.9	30.8	28.4	29.3	29.8	31.5	33.2	34.7	36.7	29.9	32.4	32.9	29.1	29.5	
054038 Narrabri Airport AWS	30.3	27.8	28.3	29.6	32.8	31.4	35.7	39.7	28.4	24.1	24.4	25.3	23.6	26.0	30.4	35.0	36.9	31.7	28.5	30.1	26.4	28.9	30.6	31.4	33.2	35.0	35.9	29.5	31.2	30.0	26.6	30.2	
055325 Tamworth Airport AWS	29.0	25.5	27.2	28.6	31.8	34.1	37.9	28.8	23.5	23.7	22.6	22.3	23.4	27.4	32.7	35.2	31.1	26.2	28.6	25.9	27.2	29.6	30.2	32.0	33.3	34.1	28.3	29.8	29.7	27.6	32.4		
056242 Inverell (Raglan St)	27.6	24.0	26.2	27.1	29.3	30.1	32.1	35.1	30.6	23.4	21.7	19.4	19.1	23.2	26.7	30.3	32.7	31.7	27.1	26.6	28.7	28.3	29.4	28.8	29.2	31.4	29.2	28.4	28.3	25.1	28.2		
057095 Tabulam (Muirine)	26.5	19.7	23.4	26.2	29.3	25.3	30.3	36.3	36.1	21.2	20.8	18.1	14.6	20.3	26.1	26.3	32.4	33.1	28.6	30.3	23.9	23.0	24.6	26.7	29.9	30.2	31.1	29.7	28.4	25.8	25.0	27.4	
058012 Yamba Pilot Station	24.0	+1.0	22.2	22.5	24.2	25.7	22.1	23.3	26.6	23.5	20.8	20.5	19.8	20.8	22.6	25.0	26.7	27.3	25.0	25.0	23.4	23.4	24.3	24.3	26.2	26.5	27.1	24.3	24.9	25.0	25.7	25.6	
060139 Port Macquarie Airport AWS	24.9	20.5	22.8	23.3	27.8	20.8	22.8	34.5	23.8	21.2	19.8	20.5	18.5	20.5	22.3	25.9	28.1	36.7	23.5	27.2	22.2	23.3	23.3	24.9	28.4	29.9	32.0	24.8	24.6	24.5	26.6	26.5	
061078 Williamtown RAAF	25.5	+2.0	20.9	25.5	29.5	34.5	19.5	26.3	23.5	28.0	19.3	18.9	18.7	17.6	19.3	24.1	28.2	22.5	32.8	22.4	30.5	21.0	22.5	24.3	28.7	25.8	36.1	35.6	22.9	24.4	27.3	27.8	30.2
061363 Scone Airport AWS	29.2	24.8	28.3	30.7	34.4	24.5	34.9	38.7	27.2	21.9	22.7	22.8	16.0	21.9	28.5	32.7	36.0	30.3	28.1	30.5	24.3	27.2	30.1	32.7	33.8	36.0	32.2	28.7	28.0	30.9	31.4	34.1	
062101 Mudgee Airport AWS	26.7	23.1	25.1	28.6	30.7	24.4	33.8	32.6	21.1	21.0	21.8	20.2	15.8	21.5	27.0	31.4	30.7	23.4	24.1	26.3	23.6	26.4	29.3	27.0	32.8	33.9	26.7	25.3	27.2	29.1	30.4	31.7	
063005 Bathurst Agricultural Station	24.0	+4.5	20.9	24.8	25.5	27.0	24.2	31.2	27.5	16.7	17.5	19.5	17.2	14.5	20.5	24.5	29.0	26.8	18.5	20.3	22.5	19.5	24.7	27.8	28.6	29.0	30.6	21.8	21.5	25.1	27.8	29.1	31.1
063254 Orange Agricultural Institute	19.1	21.0	23.6					28.3	13.7	14.3	16.1			17.7	22.6	25.7	24.0	14.1	19.6	22.2	24.7	26.0	26.9			28.9	21.7	24.7	26.7	28.5			
064008 Coonabarabran (Showgrounds)	27.0	+2.8	24.8	26.5	29.0		27.0	33.3	34.0	22.0	21.0	22.0	21.2	18.2	23.4	28.1	32.0	32.0	25.0	25.0	26.8	23.2	27.0	29.3	29.0	31.0	32.8	28.9	28.0	26.5	29.5		
065070 Dubbo Airport AWS	28.7	26.4	27.8	30.9	32.8	26.6	37.0	32.8	22.3	22.4	23.6	22.2	20.5	24.6	30.5	33.3	30.9	23.1	25.1	28.8	24.4	28.2	30.8	32.6	34.2	35.8	27.3	26.0	28.0	31.5	31.8	34.1	
066062 Sydney (Observatory Hill)	24.4	+2.1	19.8	22.0	29.3	33.5	19.4	22.2	23.9	24.0	19.3	21.1	19.3	21.1	19.3	21.9	24.0	23.0	28.4	24.3	28.7	22.3	22.6	23.7	24.2	27.5	37.2	31.4	23.5	23.0	24.5	26.4	26.0
067105 Richmond RAAF	27.1	22.5	28.0	30.7	34.0	18.1	27.4	27.7	25.2	21.1	21.3	19.3	16.7	21.3	26.0	29.8	27.2	28.6	27.8	29.4	23.5	26.2	29.4	31.8	33.9	35.9	31.3	26.5	24.5	29.5	31.9	32.4	
068072 Nowra RAN Air Station AWS	24.4	20.4	28.0	31.4	28.6	19.0	25.9	21.7	18.1	17.7	18.7	17.4	16.8	20.0	24.2	26.0	24.5	23.6	26.1	27.6	21.0	23.5	24.9	27.9	28.7	35.7	25.3	24.3	21.8	30.3	30.1		
068151 Jervis Bay (Point Perpendicular)	20.9	19.5	23.0	27.6	19.6	17.8	20.4	19.1	14.6	15.3	16.3	15.1	16.3	17.6	21.3	25.0	21.5	23.0	20.5	22.6	24.5	17.8	21.4	21.6	25.7	32.9	23.3	19.4	19.1	24.0	22.9	24.5	
068241 Albion Park (Shellharbour Airport)	23.6	20.5	23.9	29.3	31.6	18.9	24.0	22.2	21.4	19.1	19.8	18.2	15.8	18.9	23.3	25.0	25.5	22.3	28.0	23.2	20.2	21.1	23.0	25.2	29.4	36.4	28.3	21.5	21.3	24.4	26.2	24.8	
069018 Moruya Heads Pilot Station	19.9	+0.1	17.8	19.5	21.0	19.3	17.7	20.0	19.4	14.1	16.7	17.7	15.5	16.2	17.3	19.8	21.6	18.5	23.3	20.0	19.7	18.1	19.0	20.2	21.8	20.9	34.4	24.5	19.1	19.4	20.8	21.9	21.8
070351 Canberra Airport	23.6	21.1	24.7	28.0	28.1	19.2	30.4	23.7	18.7	17.3	16.3	19.2	17.1	15.9	19.8	22.7	28.0	24.8	16.1	21.0	19.2	20.9	26.7	28.5	29.2	31.2	31.1	18.2	20.5	22.9	27.4	29.3	31.7
071041 Thredbo Village	15.9	14.8	19.0	18.0	19.9	19.5	15.4	7.5					11.5	7.5	12.5		15.0	19.5	16.0	7.0	10.2	10.5	12.5	19.2	19.0	20.0	22.0	19.5	10.5	16.5	19.5	23.5	23.5
072150 Wagga Wagga AMO	26.0	+4.7	23.8	28.6	31.9	28.3	34.7	24.1	14.5	19.2	21.8	21.9	21.8	22.9	26.8	30.3	26.5	17.7	22.2	19.4	21.2	28.1	30.1	32.0	34.6	33.0	20.6	21.4	25.2	30.0	32.0	33.0	
072160 Albury Airport AWS	24.3	21.5	25.6	31.3	24.5	25.9	29.6	21.0	13.5	18.5	20.2	20.4	20.9	24.7	28.1	21.5	27.3	21.7	22.1	18.1	19.6	20.7	20.0	29.4	30.3	32.8	30.9	19.2	20.5	25.1	29.1	32.1	32.0
072161 Cabramurra SMHWA AWS	13.5	12.7	15.3	18.9	16.5	17.0	19.3	13.8	5.9	9.0	10.1	9.6	7.3	10.7	14.1	18.5	13.2	6.6	8.9	5.6	11.3	16.6	17.7	18.4	20.6	17.8	5.8	8.8	14.5	17.1	19.3	21.7	
074258 Deniliquin Airport AWS	26.1	24.9	30.0	31.5	26.1	29.6	28.8	19.4	18.9	19.6	21.9	22.9	23.1	25.6	30.4	27.0	21.7	18.5	25.7	19.4	21.6	27.6	29.8	32.7	36.7	25.6	21.2	22.5	25.5	31.0	34.6	34.4	
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	29	30	31	
091126 Devonport Airport	16.5	14.4	17.8	22.3	18.8	14.5	17.3	15.4	16.9	15.5	15.5	15.2	14.3	14.5	15.7	16.2	14.1	13.9	13.9	14.5	17.5	18.8	16.2	14.4	21.1	17.0	15.3	17.0	15.7	20.3</			

Daily and mean minimum temperatures for October 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	29	30	31			
001019 Kalumburu	21.4	19.7	20.1	19.9	21.0	21.6	21.0	21.8	22.1	22.3	21.2	19.8	20.9	20.3	21.1	21.7	18.4	20.8	21.5	22.0	22.2	20.9	19.9	21.4	23.5	22.8	24.3	20.8	24.6	22.2	22.4	22.2			
002056 Kununurra Aero	21.2	18.9	21.7	17.0	19.8	20.6	20.2	22.0	23.3	23.8	19.3	16.1	14.7	19.2	21.0	19.9	19.6	20.2	22.3	23.4	26.8	22.3	20.0	20.7	24.5	25.9	26.3	26.3	21.1	20.6	18.9	22.1			
003003 Broome Airport	22.9	+0.6	21.0	20.9	21.9	19.0	21.0	25.3	24.8	25.4	21.3	21.3	19.2	19.7	20.6	20.2	21.0	23.3	21.8	22.7	24.8	28.1	26.8	24.6	27.1	23.7	23.2	24.5	22.9	21.8	24.1	27.0			
003032 Derby Aero	23.7	22.5	24.2	23.0	23.9	24.7	25.9	23.3	23.1	24.7	20.1	20.2	21.6	20.0	21.1	21.3	22.8	23.3	25.7	24.0	27.3	24.2	24.0	27.0	26.4	22.5	25.4	25.9	26.2	23.5	23.5				
004032 Port Hedland Airport	20.5	+2.3	19.1	20.6	19.9	20.6	21.6	19.6	19.6	19.2	18.0	18.2	17.7	18.1	19.5	19.1	18.8	19.0	18.2	20.2	18.9	22.4	23.7	25.3	26.8	19.7	21.4	21.2	20.8	20.6	23.4	22.9	21.7		
004083 Karratha Aero	22.4	20.6	22.4	22.2	23.3	19.9	21.3	23.6	23.1	22.6	21.8	22.7	22.4	23.8	20.2	19.9	19.0	19.2	22.2	23.0	21.6	25.1	24.6	25.2	24.3	21.8	23.1	21.5	22.8	23.3	24.5	24.8			
004106 Marble Bar	22.8	24.0	24.9	27.3	27.2	26.6	19.8	20.4	23.1	20.9	20.8	21.8	19.7	19.4	19.6	18.4	18.6	20.6	20.9	24.0	21.6	25.2	24.9	26.4	25.6	25.7	22.7	22.4	23.1	21.7	23.2	22.1			
005007 Learmonth Airport	17.1	14.2	17.3	17.8	17.0	14.2	15.3	16.9	19.7	18.2	18.1	18.6	17.5	16.7	16.9	16.8	15.3	17.7	16.3	16.7	17.5	18.3	18.9	16.3	16.1	16.8	18.6	17.1	17.4	17.5	17.8	16.6			
006011 Carnarvon Airport	17.5	+1.2	15.2	17.5	14.5	19.4	16.9	16.3	17.1	16.3	19.3	16.3	19.0	19.4	17.4	16.9	17.2	15.1	17.0	17.3	19.0	17.1	17.3	18.2	19.0	18.8	16.5	18.4	16.5	19.1	17.0	19.2	18.9		
006044 Denham		16.0	16.0	16.0	18.0	18.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0		
007176 Newman Aero	20.9	16.4	21.4	21.5	21.6	19.0	18.1																												
007185 Paraburdoo Aero	19.4	14.5	17.3	17.1	20.0	17.2	16.6	19.6	27.5	20.7	21.9	24.5	21.5	18.5	17.8	16.5																			
007045 Meekatharra Airport	18.6	+3.6	16.0	16.9	17.5	19.2	11.9	15.3	17.5	20.4	24.5	22.0	21.4	21.6	16.4	17.2	16.2	14.3	15.5	17.4	21.6	21.5	20.8	18.1	18.8	16.2	16.2	18.5	22.2	25.3	20.9	20.3	15.5		
007600 Mount Magnet Aero	16.3	14.5	16.2	15.9	18.2	15.1	12.0	13.9	20.0	21.5	20.7	17.1	17.0	13.4	13.8	13.1	11.8	11.7	15.6	21.2	20.1	16.6	16.1	15.8	15.4	12.6	14.6	20.3	22.4	18.3	17.6	13.2			
008296 Morawa Airport	11.6	12.9	9.5	10.9	14.6	13.5	9.4	9.6	14.2	12.6	13.8	11.6	13.7	8.7	6.9	9.0	8.7	8.6	11.4	15.3	13.0	9.7	11.5	12.4	8.8	10.2	10.1	4.8	10.6	12.4	14.7	12.5	11.7		
008297 Dalwallinu	10.2	13.8	8.9	10.3	12.5	12.1	8.5	7.5	9.7	9.3	9.6	10.1	12.3	6.9	6.0	6.8	7.5	8.7	10.2	8.9	10.8	13.5	10.1	10.1	4.8	10.6	12.4	14.7	12.5	11.7					
008315 Geraldton Airport	11.9	13.1	7.8	9.6	14.4	15.1	9.0	7.8	12.1	10.4	14.5	12.4	15.3	9.1	8.6	9.6	8.4	8.7	10.6	14.7	13.2	10.4	13.0	16.1	9.2	10.9	12.7	14.2	16.2	15.6	15.6	15.6			
009021 Perth Airport	10.6	+0.2	9.7	6.3	7.9	15.2	13.2	10.3	11.1	13.1	10.0	11.6	11.1	13.6	6.9	13.2	5.4	4.5	5.9	9.3	12.2	14.7	9.8	8.7	11.1	10.5	9.6	9.0	14.6	13.7	13.9	12.1	11.2		
009131 Jurien Bay	11.8	12.4	8.6	9.2	12.5	8.6	10.0	8.0	12.3	11.4	12.2	12.7	13.4	7.9	9.5	10.0	8.3	10.7	10.5	11.9	17.6	14.4	11.5	16.1	16.1		8.4	14.1	16.1	14.8					
009225 Perth Metro	12.1	11.7	8.5	9.3	15.0	14.2	11.0	10.7	12.8	12.4	12.6	12.6	13.5	9.3	9.4	10.1	6.5	6.8	9.9	12.2	15.9	11.9	13.1	12.8	12.9	11.3	12.1	15.8	16.7	13.8	11.2				
009240 Bickley	10.3	10.0	8.7	9.9	13.0	11.0	8.6	7.2	9.1	15.0	12.9	13.1	10.4	8.5	11.2	5.8	6.8	7.4	8.5	8.2	13.2	10.7	11.3	12.3	9.1	9.4	11.3	13.3	14.4	10.5	11.9	8.0			
009518 Cape Leeuwin	13.8	+1.3	13.9	13.3	14.2	13.4	12.9	12.9	11.4	16.0	16.0	16.1	13.0	14.9	12.7	11.3	12.6	14.3	13.3	11.4	14.2	15.5	15.9	16.1	13.4	13.8	14.4	15.0	16.1	13.4	13.6	8.6			
009617 Bridgetown	7.6	8.4	4.3	11.1	12.9	9.6	5.2	5.3	7.5	8.9	10.1	13.7	8.3	1.9	4.0	0.9	4.7	3.6	4.8	7.6	11.4	12.3	9.8	7.4	10.0	9.8	8.4	9.1	8.2	6.2					
009746 Witchcliffe	9.8	9.2	10.4	11.7	12.2	12.0	9.2	7.7	8.9	13.6	10.5	14.0	8.0	7.7	6.7	6.3	5.1	5.0	6.8	4.0	8.9	8.3	14.6	14.4	11.0	11.9	12.7	9.8	9.4	8.4	9.4				
009789 Esperance	11.8	13.8	11.8	14.1	14.1	13.9	12.4	8.9	7.3	12.1	13.8	12.3	13.7	7.8	8.9	9.2	12.2	6.4	13.3	7.1	12.0	14.9	11.3	10.4	11.4	11.7	12.1	10.4	10.4	13.8	13.6	13.9	13.9		
009865 Bunbury	9.9	9.0	6.2	12.3	13.6	12.0	7.5	8.5	11.4	13.0	14.0	16.2	9.7	6.2	7.8	2.6	4.7	4.3	7.5	10.1	15.2	9.8	12.3	15.9	8.1	7.8	10.7	12.4	10.6	10.6	10.0				
009977 Mandurah	13.9	13.5	11.4	13.2	15.2	14.3	12.7	10.9	12.9	16.7	14.5	17.8	13.8	10.4	13.7	9.1	11.4	11.5	12.3	18.1	14.7	15.3	17.0	13.4	13.9	14.1	17.3	17.5	14.5	16.0	12.3				
009999 Albany Airport	10.3	12.9	12.8	6.8	13.9	10.3	7.4	10.0	7.7	10.4	11.5	11.7	9.7	7.7	9.5	6.3	9.4	7.7	10.5	15.4	13.3	11.8	15.3	10.1	8.7	10.5	11.7	14.1	12.7	8.9	10.8	8.4			
010007 Bencubbin	11.8	+2.0	13.0	10.9	11.9	16.7	13.1	8.1	9.0	11.6	18.8	15.9	10.8	13.0	8.5	8.9	8.0	8.0	7.5	11.2	12.7	16.9	12.8	13.6	13.5	11.2	8.2	12.1	13.7	12.3	11.0				
010092 Merredin	11.9	+2.5	11.9	8.9	9.4	16.5	12.1	8.9	9.4	13.3	19.7	12.6	9.9	13.4	7.4	8.5	7.4	8.7	8.2	12.5	10.7	14.7	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3		
010286 Cunderdin Airfield	8.5	11.2	6.0	4.1	14.5	10.7	2.9	7.6	10.5	7.3	7.0	6.9	12.6	4.8	7.6	5.4	4.6	2.3	10.0	9.9	9.3	10.0	12.5	9.9	6.8	3.0	7.4	13.7	9.5	14.2	10.4	11.2			
010633 Ravensthorpe		7.0																																	
010911 Lake Grace	10.3	11.5	8.2	8.6	12.9	11.8	4.6	4.6	7.8	15.5	9.0	11.1	11.8	7.6	11.8	5.6	6.8	5.8	7.8	7.8	16.1	12.8	12.6	13.5	10.1	9.5	11.8	10.8	14.9	11.6	10.9	10.9			
010916 Katanning	8.7	8.1	9.5	5.6	12.1	10.5	6.4	7.3	7.7	10.2	9.5	10.5	9.8	6.2	8.1	3.6	6.5	4.3	4.5	4.4	10.7	11.6	11.9	11.1	7.7	7.7	12.3	9.9	13.8	9.8	10.3	7.6			
010917 Wandering	6.6	5.2	3.3	3.4	11.5	11.0	5.4	1.7	6.6	5.6	5.2	8.6	10.3	1.7	9.9	0.4	0.4	1.2	5.6	7.9	7.7	11.9	7.7	10.5	7.4	5.0	6.4	8.9	8.0	11.6	7.7				
011003 Eucla	13.0	+1.6	16.0	13.5	15.1	14.9	14.3	13.1	11.4	7.5	12.9	14.2	14.1	13.3	8.0	14.7	7.7	4.2	9.2	12.2	9.7	15.6	19.4	13.6	15.2	17.8	15.1	17.8	15.1	17.8	15.1	17.8			
011052 Forrest	12.1	12.8	11.6	13.5	16.1	17.0	13.2	7.4	7.4	7.3	13.5	20.2	20.3	11.5	12.1	9.3	13.9	1.1	6.0	7.2	8.7	9.8	15.2	16.6	14.1	14.2	17.7	8.6	7.6	10.7	17.2	14.2			
012038 Kalgoorlie-Boulder Airport	13.9	+2.8	15.3	15.4	16.9	15.3	15.3	14.5	8.7	9.8	11.6	16.6	20.8	17.4	15.5	10.3	11.2	10.2	8.7	20.5	19.2	20.5	21.6	23.4	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1			
012071 Salmon Gums Res.Stn.	9.3	+1.4	8.7	8.3	13.4	11.7	9.9	0.9	4.6	11.5	13.7	11.1	12.7	4.0	4.9	5.4	4.6	20.1	19.4	21.1	21.9	21.2	20.8	22.6	25.0	26.0	26.7	18.9	18.3	21.8	21.8				
013011 Albany Springs	16.5	+1.8	16.3	18.0	17.0	15.3	15.2	18.3	17.8	18.2	17.0	19.5	19.3	18.9	16.8	16.8	16.0	19.6	20.1	20.5	22.7	27.7	24.0	25.7	25.5	25.5	25.5	25.5	25.5	25.5	25.5				
015666 Rabbit Flat	19.2	14.0	15.5	12.7	14.4	15.5																													

Mean to the 5th decile and 95th percentile temperature for October 2019. It is only shown if there are sufficient anomalies between the mean daily minimum temperature for October 2019 and the long-term average minimum temperature for October. Anomalies are only shown if there are sufficient years of climate record available. The lowest and highest minimum temperature for each site for October 2019 is highlighted. Not all observations are shown here. Data from many more sites and for other times are available at www.bom.gov.au/climate/data/.

Daily and mean minimum temperatures for October 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	29	30	31			
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	31			
048027 Cobar MO	14.2	+1.8	14.2	16.9	16.9	19.6	20.6	17.7	13.0	6.3	7.6	9.9	8.3	10.4	15.5	15.7	17.4	13.9	6.4	11.6	8.5	9.9	15.3	19.1	19.5	21.3	16.2	10.9	11.8	14.2	21.4	17.3			
048245 Bourke Airport AWS	14.0	11.0	13.4	13.6	13.6	14.7	16.8	16.9	18.3	9.7	8.5	12.1	9.0	11.6	15.8	17.3	18.7	18.4	5.3	7.2	11.0	11.5	13.6	15.8	16.6	19.3	20.5	10.5	13.8	13.7	17.2	17.1			
049000 Ivanhoe Aerodrome AWS	13.0	7.4	12.4	19.4	12.5	17.8	23.8	13.6	12.2	6.5	6.3	7.1	7.0	12.9	16.6	12.9	14.8	11.2	7.8	11.7	7.3	9.8	12.8	15.4	17.3	26.4	14.3	8.6	9.8	13.6	18.9	16.5			
050052 Condobolin Ag Research Stn	11.8	+2.4	5.5	10.3	18.5	14.5	18.5	19.5	16.4	12.7	5.0	5.4	7.4	6.0	6.0	14.7	15.0	12.0	11.5	4.2	10.4	8.3	8.1	9.7	12.0	17.7	24.4	15.5	7.5	8.5	9.5	15.6	14.8		
051039 Nyngan Airport		11.6	15.2	13.9	14.8			15.2	8.5	10.5	10.3			8.3	18.0	14.5	14.9	6.8	9.3	10.5	11.3	12.8	13.7	17.0	18.5										
052088 Walgett Airport AWS	12.2	10.4	14.2	8.7	14.6	12.1	15.8	20.4	19.2	4.4	6.6	5.3	4.3	5.7	11.3	14.1	12.8	19.7	5.9	6.1	10.7	7.1	11.0	11.0	16.2	16.7	24.2	9.2	11.4	11.5	21.5	17.6			
053115 Moree Aero	14.5	12.2	11.1	13.3	13.4	18.5	17.1	18.6	7.8	9.3	15.0	8.0	8.8	13.9	18.1	18.4	24.2	7.7	9.1	13.0	11.5	14.2	16.4	17.7	19.3	20.5	12.7	11.4	17.2	19.7	17.7				
054038 Narrabri Airport AWS	13.5	13.5	10.3	10.8	10.2	12.2	14.3	20.7	16.7	5.3	11.1	12.0	10.3	9.7	11.1	15.7	17.0	23.4	6.5	6.2	11.4	8.7	10.5	16.7	15.0	21.3	22.4	13.0	13.4	12.8	19.7	17.6			
055325 Tamworth Airport AWS	10.9	11.0	6.7	7.8	9.0	11.5	14.1	14.3	15.2	2.9	7.2	12.0	7.1	7.2	10.7	14.6	12.5	14.4	4.3	4.0	9.5	10.5	11.0	11.2	11.6	10.9	21.3	9.7	9.5	14.8	14.7	17.2			
056242 Inverell (Raglan St)	7.5	11.5	2.6	3.2	4.6	6.4	6.8	9.1	11.2	2.2	5.4	6.3	8.4	4.8	6.8	12.0	10.6	13.9	1.5	1.6	6.9	6.0	7.2	9.1	8.9	9.6	9.6	5.2	13.8	11.1	9.6				
057095 Tabulam (Muirine)	12.8	12.0	10.5	10.0	11.9	15.1	12.7	15.9	20.7	12.6	10.4	6.2	8.5	8.2	13.4	15.2	17.1	17.1	13.8	12.4	14.1	12.3	11.4	11.6	11.3	14.4	18.6	13.4	12.8	12.7	14.8				
058012 Yamba Pilot Station	15.7	+0.4	16.6	14.1	12.0	13.8	15.4	16.4	15.9	18.7	14.7	13.1	13.5	12.3	12.4	12.8	16.0	17.9	20.4	17.7	15.4	17.7	17.9	13.2	14.8	15.2	15.8	17.1	19.2	17.3	15.7	16.2	18.0		
060139 Port Macquarie Airport AWS	11.0	14.0	7.0	5.9	8.0	16.5	14.9	15.0	14.9	10.6	8.7	9.1	12.0	12.2	7.0	11.6	15.3	17.6	5.2	7.3	9.5	5.5	6.9	6.5	11.7	10.2	17.1	16.0	7.9	8.4	15.1	12.6			
061078 Williamtown RAAF	11.2	-0.8	11.5	7.4	8.9	11.2	17.1	10.6	14.6	15.7	8.1	9.2	10.1	11.0	11.5	7.7	10.4	12.9	15.0	11.1	6.0	11.4	8.4	8.4	11.9	13.5	12.1	17.4	7.3	10.4	11.3	12.4	13.8		
061363 Scone Airport AWS	10.5	11.1	5.4	7.4	10.1	13.7	11.1	15.1	15.7	15.7	5.3	8.3	7.3	9.9	10.0	9.7	9.4	10.7	13.2	7.9	6.1	8.4	6.2	7.9	10.1	12.1	12.7	24.5	6.7	7.7	11.4	14.2	14.2		
062101 Mudgee Airport AWS	8.2	9.7	3.6	5.3	6.3	12.3	12.9	11.6	13.4	1.6	5.5	8.4	9.4	3.6	9.7	12.4	7.3	11.1	2.6	1.9	3.9	7.0	8.3	8.8	9.8	18.8	3.6	4.1	11.9	11.0	9.9				
063005 Bathurst Agricultural Station	5.9	-0.1	5.0	2.0	4.0	5.2	11.3	10.5	10.5	8.6	0.8	1.6	5.0	6.5	4.0	8.5	7.0	6.5	8.0	1.5	0.2	5.0	2.0	6.0	7.3	7.0	7.8	13.8	2.5	2.5	8.5	8.4	9.5		
063254 Orange Agricultural Institute		4.2	4.0	7.7	12.9			6.8	1.5	2.2	5.4			2.5	9.6	12.2	8.4	3.5		2.0	5.7	8.9	9.8	14.4				2.0	7.4	11.8	12.4				
064008 Coonabarabran (Showgrounds)	8.2	0.0	7.8	5.1	5.0	7.0		10.7	11.5	14.0	3.0	3.0	4.0	7.7	3.4	6.5	8.5	9.0	11.5	3.0	1.6	8.2	5.0	6.2	7.6	10.5	10.5	19.1	11.3	8.2	9.0	13.5	13.5		
065070 Dubbo Airport AWS	11.1	11.8	10.0	8.8	11.2	16.1	14.6	13.1	2.5	8.3	11.5	6.6	7.3	11.7	15.2	11.6	13.1	3.3	6.0	6.0	7.5	13.1	13.3	13.7	17.2	16.9	7.5	8.6	14.2	14.9	13.5				
066062 Sydney (Observatory Hill)	14.7	+0.6	12.3	11.9	14.2	17.9	15.1	15.2	16.7	16.6	10.6	11.2	11.8	12.0	12.2	15.4	17.5	17.3	12.2	14.5	12.6	11.9	13.0	15.7	18.5	17.4	23.0	15.8	13.4	13.9	16.6	18.0			
067105 Richmond RAAF	10.9	9.5	6.9	8.6	9.4	15.5	13.9	14.8	14.3	10.0	8.3	11.5	10.8	9.9	10.1	11.7	11.9	14.2	8.1	6.9	6.2	7.7	7.5	14.8	11.6	11.7	20.5	8.7	7.5	9.6	13.0	12.4			
068072 Nowra RAN Air Station AWS	10.7	10.0	8.6	9.9	16.7	11.7	12.2	12.7	11.3	6.9	6.9	11.2	10.1	7.2	7.3	10.1	13.2	13.2	7.7	7.7	9.4	10.5	12.5	12.7	20.2	9.0	10.9	8.2	13.5	10.5					
068151 Jervis Bay (Point Perpendicular)	13.7	11.8	11.7	13.0	19.1	13.0	13.7	16.2	14.2	11.1	11.7	10.0	10.5	10.5	13.6	19.0	15.0	15.3	13.0	14.9	11.5	10.9	11.9	14.0	16.6	16.2	20.6	12.4	13.7	12.3	16.6	15.6			
068241 Albion Park (Shellharbour Airport)	10.3	8.9	6.3	8.0	11.0	13.6	14.7	12.8	11.3	10.8	10.6	9.5	11.0	6.9	8.5	9.7	12.6	12.3	5.3	6.3	7.1	7.2	10.0	10.6	12.1	18.7	7.3	10.1	8.7	11.5	12.1				
069018 Moruya Heads Pilot Station	10.8	0.0	9.1	10.0	9.9	13.0	11.6	14.2	13.2	11.0	7.0	6.9	10.6	9.7	7.6	9.5	10.5	14.5	12.6	8.1	11.1	6.9	8.5	10.2	13.7	12.6	14.9	15.6	8.6	7.6	12.1	12.6	11.6		
070351 Canberra Airport	6.2		5.6	1.8	4.2	5.7	12.1	11.8	8.6	8.4	1.7	1.0	8.5	6.6	4.3	6.6	7.8	9.5	5.8	-0.2	3.1	5.8	5.8	6.8	9.1	12.3	4.6	3.7	5.6	8.8	7.0				
071041 Thredbo Village		-2.3		7.5	5.0	10.8	8.8	3.0	-4.0		4.5	2.0	-1.0	1.0	2.5	3.3	-3.0	4.0	-1.0	1.0	6.0				7.0	4.0									
072150 Wagga Wagga AMO	8.2	+0.6	4.2	8.0	11.5	6.1	13.2	15.7	10.1	10.2	0.3	2.6	9.4	8.5	3.3	12.8	10.7	12.4	10.3	3.0	4.8	3.0	4.9	6.9	8.9	11.1	17.1	9.4	3.7	3.8	6.9	11.6	10.2		
072160 Albany Airport AWS	7.7	3.8	4.8	9.1	7.8	13.3	14.4	8.5	7.5	2.5	3.8	8.0	9.7	5.4	9.4	7.5	12.4	9.9	3.4	9.1	3.3	7.3	6.9	7.1	7.8	13.9	11.9	3.0	4.2	4.9	7.7	9.3			
072161 Cabramurra SMHWA AWS	5.2	2.9	5.8	10.1	9.3	7.8	10.9	7.4	2.5	-2.4	0.9	1.5	0.6	14	5.2	9.3	8.0	-0.3	1.4	-1.4	2.1	9.1	10.5	11.7	13.1	1.9	-1.3	1.8	7.2	10.9	11.9				
074258 Deniliquin Airport AWS	8.4	-0.6	6.2	11.2	7.6	11.7	15.0	10.2		2.2	4.8	4.6	8.1	8.6	13.2	8.9	11.6	7.6	2.9	7.5	2.1	5.0	7.9	7.5	13.4	23.1	10.7	3.1	6.0	7.1	9.9	13.5			
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	31			
07031 Mildura Airport	10.3	+0.4	5.2	9.5	12.6	10.4	16.1	21.4	12.4	8.6	3.6	6.6	6.8	5.9	12.6	13.4	9.0	12.3	8.5	4.1	7.8	5.6	7.2	8.4	11.2	16.2	17.2	5.9	8.4	10.4	14.5	15.7			
078015 Nhill Aerodrome	7.4	2.7	9.3	8.4	8.0	9.7	13.0	9.7	4.9	-0.1	3.8	3.0	4.8	10.0	12.4	2.9	10.1	6.5	4.4	7.6	3.8	2.8	4.2	9.9	13.6	12.3	8.6	5.2	23	8.0	10.4	18.2			
080023 Kerang	9.3	+0.2	3.2	6.1	14.2	9.0	11.2																												

Daily and total rainfall for October 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	29	30	31
Western Australia																																	
001013 Wyndham	11.0		11.0	.	.			
001019 Kalumburu	33.4		33.4	.	.			
002056 Kununurra Aero	27.6		1.0	26.6	.			
003003 Broome Airport	1.2	1.8	.	0.2	.	.	0.4	0.2	0.2	.	0.2				
003032 Derby Aero	.	3.3			
004032 Port Hedland Airport	.	0.9			
004083 Karratha Aero	0.2	0.2	.	.			
004106 Marble Bar	2.6	2.6	.	.			
005007 Leamonth Airport	3.3			
006011 Carnarvon Airport	0.5	6.9	0.5	.	.			
006044 Denham	1.0	9.3	1.0	.	.			
007176 Newman Aero	0.4	0.4	.	.			
007185 Paraburdoo Aero	0.4	0.4	.	.			
007045 Meekatharra Airport	.	6.7		
007600 Mount Magnet Aero	2.0	2.0	.	.			
008296 Morawa Airport	4.4	.	.	0.2	0.2	2.0	0.2	.	.				
008297 Dalwallinu	17.2	.	.	0.8	8.4	8.0	.	.				
008315 Geraldton Airport	13.4	0.8	.	1.2	»	»	2.2	.	.	.	»	»	5.6	3.6	.	.				
009021 Perth Airport	23.4	46	0.6	.	0.8	7.4	2.8	.	0.6	2.2	9.0	.	.				
009131 Jurien Bay	14.4	0.4	.	1.6	4.0	3.6	0.2	4.6	.	.					
009225 Perth Metro	1.8	.	1.0	3.2	.	0.8	2.0	9.0	.	.					
009240 Bickley	65.4	6.0	.	1.0	23.6	0.2	.	.	5.2	.	1.2	3.2	25.0	.	.						
009518 Cape Leeuwin	47.8	70	2.8	.	1.0	21.2	4.0	.	0.6	0.2	.	1.4	0.4	1.2	1.2	.	0.8	.	.	0.4	0.8	0.4	0.2	.	0.4	10.8	.	.					
009617 Bridgetown	36.6	1.2	.	0.2	9.4	.	.	.	0.2	0.8	.	6.8	0.8	0.2	0.2	16.8	.	.					
009746 Witchcliffe	78.6	7.8	.	9.4	24.2	5.6	0.2	0.2	.	0.2	3.0	0.2	0.2	3.8	0.2	0.6	0.2	.	0.6	2.0	2.0	0.6	.	0.2	.	17.4	.	.					
009789 Esperance	37.4	.	.	»	»	4.8	1.8	.	.	»	»	13.0	1.0	0.2	9.0	0.4	7.2	.	.					
009965 Bunbury	53.2	1.0	.	4.6	24.0	0.2	0.4	.	3.8	0.8	18.4	.	.				
009977 Mandurah	32.4	1.2	.	5.4	13.4	2.4	.	1.0	0.8	8.2	.	.						
009999 Albany Airport	47.4	7.0	.	»	»	»	14.6	.	.	»	»	5.8	5.0	3.4	1.0	.	1.0	»	»	»	»	7.2	0.2	.	2.2	.	.						
010007 Bencubbin	21.7	17	.	.	.	0.6	.	.	.	12.2	0.3	8.6	.	.					
010092 Merredin	20.6	16	.	.	0.2	.	.	.	14.0	0.4	6.0	.	.						
010286 Cunderdin Airfield	19.6	.	.	1.8	8.2	9.6	.	.					
010633 Ravensthorpe	29.6	40	0.6	.	2.0	1.8	0.7	0.4	.	12.6	1.4	1.2	4.5	0.5	0.2	.	.	.	2.8	0.1	0.8	.	.						
010911 Lake Grace	23.2	.	.	5.6	17.0	0.6	.	.					
010916 Katanning	25.6	0.2	.	14.2	4.4	.	4.2	2.6	.	.						
010917 Wandering	23.8	.	0.2	11.4	4.6	.	0.2	2.8	4.6	.	.						
010003 Eucla	1.8	16	0.4	1.4	0.2	.	.					
01052 Forrest	0.6	0.6				
012038 Kalgoorlie-Boulder Airport	2.2	18	0.2	0.2	0.4	1.4	.	.						
012046 Leonora	.	11				
012071 Salmon Gums Res.Stn.	21.2	25	0.4	.	0.4	0.4	.	.	8.8	2.6	.	0.4	0.2	0.2	0.2	.	2.8	.	.	0.2	5.0	.	.						
013011 Warburton Airfield	0.4				
013012 Wiluna	1.0	9.5	»	1.0	0.2	.	.					
013017 Giles Meteorological Office	0.2	14	0.2				
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	29	30	31
014015 Darwin Airport	20.2	76	1.4	0.4	18.4	.	.	
014198 Jabiru Airport	58.2	19.4	13.6	25.0	0.2	.		
014932 Tindal RAAF	0.4	0.4	.	.				
014508 Gove Airport	2.4	2.2	0.2	.				
014723 Borroloola Airport	5.0	0.2	3.6	1.2	.					
014825 Victoria River Downs	1.4	20	1.4	.	.				
015135 Tennant Creek Airport	0.8	0.8	.	.				
015590 Alice Springs Airport	.	19	4.6	.	.				
015635 Yulara Airport	6.2	0.8	5.4	.	.					
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	29	30	31
016001 Woomera Aerodrome	2.0	15	0.4	1.6	.	.					
016098 Tarcoola Aero	
017043 Oodnadatta Airport	
018012 Ceduna AMO	3.4	22	0.6	0.4	.	.	2.2	.	0.2		
018044 Kyancutta	5.3	23	0.6	.	.	.	1.4	1.6	1.7		
018019 North Shields (Port Lincoln AWS)	16.0	.	16.0	.	.	.	0.4	.	.	0.2	.	0.4	0.2	1.0	0.4	.					
021133 Snowtown (Rayville Park)	2.4	1.2	2.0	.	.	1.0	.	2.4	.	1.4	.	.	.	1.6	1.6	.	.					
022823 Cape Borda	11.0	.	0.8	.	.	.	1.2	2.0	.	.	1.0	.	2.4	.	1.4	.	.	.	0.4	0.2	1.6			
023090 Adelaide (Kent Town)	18.6	0.6	1.0	.	.	1.4	.	7.8	5.2	.	1.2	0.4	.	.	.	1.0		
023373 Nuriotpa Pirsia	11.4	.	.	0.2	.	1.2	0.2	1.2	6.0	.	0.4	0.8	5.4	.	2																		

Daily and total rainfall for October 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	29	30	31					
New South Wales																																						
048027 Cobar MO	0.6	36	0.2	0.2	0.2	2.6	3.8					
048245 Bourke Airport AWS	6.4	0.8						
049000 Ivanhoe Aerodrome AWS	0.8	0.8							
050052 Condobolin Ag Research Stn	1.6	54	0.6	0.8	0.2	.	.	.							
051039 Nyngan Airport	.	47						
052088 Walgett Airport AWS						
053115 Moree Aero	7.2	7.2						
054038 Narrabri Airport AWS	4.6	4.0	.	.	0.6							
055325 Tamworth Airport AWS	29.8	1.0	27.4	0.2	.	0.6	0.6	.	.								
056242 Inverell (Raglan St)	29.4	6.2	20.4	2.8							
057095 Tabulam (Muirine)	21.2	0.4	0.2	20.0	0.4	.	0.2								
058012 Yamba Pilot Station	31.4	91	0.6	0.2	.	.	0.6	0.4	27.0	2.4	0.2	.	.	2.4	0.4							
060139 Port Macquarie Airport AWS	47.4	15.8	0.2	.	.	2.0	13.8	11.6	.	.	.	2.4	0.4	1.2								
061078 Williamtown RAAF	45.0	83	6.8	.	.	0.8	14	4.0	23.0	8.8	.	.	0.2							
061363 Scone Airport AWS	15.8	13.4	0.2	0.2	.	1.4	0.6	.	.	.							
062101 Mudgee Airport AWS	5.0	0.2	2.6	0.6	.	.	1.0	0.2	0.4	.	.	.							
063005 Bathurst Agricultural Station	13.8	62	0.2	.	.	2.8	.	1.2	.	.	.	0.6	.	0.8	8.2								
063254 Orange Agricultural Institute	18.0	89	5.6	.	»	»	0.4	.	.	2.6	.	»	»	0.8	.	.	.	»	»	8.6	.	.	.							
064008 Coonabarabran (Showgrounds)	7.2	73	5.2	1.6	0.1	0.1	.	0.2							
065070 Dubbo Airport AWS	1.6	0.2	.	.	0.6	0.2	0.2	0.4							
066062 Sydney (Observatory Hill)	34.2	88	0.4	16.6	0.6	.	1.2	0.4	0.6	11.0	3.4						
067105 Richmond RAAF	44.6	4.0	0.4	.	.	.	3.8	30.2	5.4	0.2	0.4	0.2							
068072 Nowra RAN Air Station AWS	32.8	14.2	0.2	.	10.2	1.0	7.0	0.2						
068151 Jervis Bay (Point Perpendicular)	65.4	10.2	.	4.4	9.4	.	7.0	28.6	5.4	0.2	.	.	.	0.2	.	.							
068241 Albion Park (Shellharbour Airport)	47.0	9.6	0.2	8.6	.	27.2	1.0	.	0.4							
069018 Moruya Heads Pilot Station	52.6	95	11.2	.	9.0	8.0	.	5.8	14.2	.	.	3.0	.	0.4	.	.	0.4	0.2	0.4	.	.	.							
070351 Canberra Airport	27.6	4.0	.	.	11.2	4.8	7.6					
071041 Thredbo Village	103.7	6.4	0.1	1.0	6.0	»	6.0	7.2	1.3	1.3	3.2	35.2	11.3	.	2.3	0.1	.	.	1.0	6.9	14.4					
072150 Wagga Wagga AMO	8.0	58	1.2	6.2	»	»	0.6				
072160 Albury Airport AWS	15.2	0.4	0.2	.	7.4	6.4	0.2	.	0.2	0.4					
072161 Cabramurra SMH&EA AWS	35.0	3.8	.	4.6	.	0.4	.	.	18.2	1.2	0.2	5.8	0.8					
073054 Wyalong Post Office	3.6	51	0.6	1.4	1.6				
074258 Deniliquin Airport AWS	5.6	0.2	5.4					
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	31					
076031 Mildura Airport	.	28			
078015 Nhill Aerodrome	10.8	0.2	0.2	7.0	1.0	2.0	0.2	0.2	.	.	.					
079082 Horsham	10.0	46	4.0	6.0			
080023 Kerang	1.6	41	1.0	0.6				
081123 Bendigo Airport	10.8	0.6	.	.	.	0.4	.	2.4	6.2	0.8	0.4			
082039 Rutherglen Research	8.8	61	0.4	.	2.4	5.8	0.2				
083085 Mount Hotham	0.6	5.4	2.0	
084016 Gabo Island Lighthouse	42.4	71	0.6	24.8	2.0	7.0	0.6	5.4	2.6		
084145 Orbost	2.0	3.8	.	.	.	3.2	.	1.8	1.4	.	0.6	.	3.8	1.0	0.6	6.8
085072 East Sale	18.6	55	1.8	.	0.6	.	0.6	.	.	0.6	.	15.4	14.6	9.2	2.8	0.2	.	0.2	.	.	7.0	5.6	1.2
085096 Wilsons Promontory Lighthouse	58.6	92	1.8	0.2	.	1.4	0.4	.	0.6	.	0.6	2.0	.	0.2	1.0	0.4	1.2	1.6		
087031 Laverton RAAF	10.8	62	3.6	.	3.2	5.2	0.2	0.2	.	1.0	0.2	0.2	2.2	.	1.2	0.4	2.6	1.8	2.2	
088053 Seymour Shire Depot	11.2	55	10.4	»	»	0.8
089002 Ballarat Aerodrome	30.0	71	2.0	0.2	0.8	0.8	.	0.2	0.6	10.6	5.8	2.4	0.8	.	0.2	0.2	1.8	1.4	3.0	
090015 Cape Otway Lighthouse	52.2	89	0.4	2.0	0.4	1.0	0.4	0.6	1.2	0.8	0.8	1.6	22.6	15.6	24	0.2	8.2	9.8	3.4
091126 Devonport Airport	11.5	69	0.9	.	.	1.0	0.5	.	2.0	0.3	5.6	1.0	0.2	
091293 Low Head	11.8	0.4	.	2.0	1.8	0.4	0.4	.	0.4	3.0	0.2	0.2	2.4	1.2	0.2	
091311 Launceston Airport	17.2	0.8	0.4	1.4	.	0.6	2.0	0.4	4.2	7.4	
092045 Larapuna (Eddystone Point)	20.2	68	5.0	0.2	3.6	.	0.2	0.8	0.8	.	.	3.2	0.4	0.4	1.2	4.8	0.4			
093053 Ross (The Boulevards)	20.8	»	»	»	»	»	»	»	»	»	»	2.4	13.2	0.6	0.4	0.8	.	.	.	»	3.4			
094010 Cape Bruny Lighthouse	32.3	93	0.2	1.8	0.1	2.6	1.9	2.5	2.2	0.5	.	0.6	4.0	.																				