



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

# Monthly Weather Review Australia October 2021



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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## Cover photograph

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

Photograph by Andrew Chapman, 20 September 2008. Copyright © 2008 Andrew Chapman. Used with permission.

# Overview

- Mean maximum temperatures for October were warmer than average for northern Australia, and warmest on record for some areas; cooler than average for western parts of Western Australia, and Tasmania east coast.
- Mean minimum temperatures for October were warmer than average for Queensland, most of the Northern Territory and the north Kimberley in Western Australia and Tasmania; cooler than average for the inland south-east and the agricultural districts of South Australia, and in northern and western parts of Western Australia.
- For Australia as a whole, rainfall was 12% above average, although rainfall was mixed geographically.
- Rainfall was below average for along the Kimberley coast, and the Southern Interior District eastern end in Western Australia, north-western South Australia, the north-east coastal strip of Queensland, and small pockets of inland eastern Australia.
- Rainfall was above or very much above average for western parts and southern Kimberley and surrounding areas in Western Australia, around much of the Northern Territory away from the far north and south, western and south-eastern Queensland, along parts of coastal southern and eastern Australia, and across most of Tasmania except the west coast.

## Areal averages in October 2021

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	+12%	+1.08 °C	+0.78 °C	+0.93 °C
Western Australia	+22%	+0.41 °C	-0.29 °C	+0.06 °C
Northern Territory	+46%	+2.05 °C 7th-highest	+2.14 °C 6th-highest	+2.10 °C 3rd-highest
South Australia	-26%	+0.67 °C	+0.34 °C	+0.51 °C
Queensland	+16%	+2.18 °C 5th-highest	+2.04 °C equal 5th-highest	+2.11 °C 4th-highest
New South Wales	-16%	+0.22 °C	-0.06 °C	+0.08 °C
Victoria	+14%	-0.43 °C	-0.10 °C	-0.26 °C
Tasmania	+70% 8th-highest	-0.10 °C	+0.99 °C 6th-highest	+0.45 °C

## Extremes in October 2021

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	45.1 °C at Wyndham Aero (WA) on the 21st	-7.8 °C at Perisher Valley AWS (NSW) on the 31st	182.2 mm at Gray (Dalmaine Rd) (Tas.) on the 15th	33.9 °C at Wyndham Aero (WA)	2.7 °C at Thredbo AWS (NSW)	509.0 mm at Mount Barrow (South Barrow) (Tas.)	180 km/h at kunanyi (Mount Wellington Pinnacle) (Tas.) on the 29th
Western Australia	45.1 °C at Wyndham Aero on the 21st	-2.5 °C at Salmon Gums Res.Stn. on the 10th	58.8 mm at Siddins Creek on the 31st	33.9 °C at Wyndham Aero	12.3 °C at Shannon	171.6 mm at Mount William	122 km/h at Cape Leeuwin on the 11th
Northern Territory	44.9 °C at Victoria River Downs on the 21st	7.7 °C at Alice Springs Airport on the 12th	78.4 mm at Tindal RAAF on the 28th	33.2 °C at Bradshaw	24.4 °C at Yulara Airport	185.0 mm at Labelle Downs	102 km/h at Delamere Weapons Range on the 21st
South Australia	43.3 °C at Oodnadatta Airport on the 27th	-3.6 °C at Keith (Munkora) on the 11th	66.6 mm at Wirrabara Forest on the 15th	23.2 °C at Oodnadatta Airport	10.9 °C at Mount Lofty	108.8 mm at Parawa (Second Valley Forest AWS)	113 km/h at Neptune Island on the 4th
Queensland	43.4 °C at Birdsville Airport on the 27th	1.4 °C at Oakey Aero on the 6th	109.0 mm at Gereta Station on the 23rd	31.3 °C at Normanton Airport	16.2 °C at Applethorpe	295.2 mm at Numinbah	120 km/h at Mackay Aero on the 20th
New South Wales	40.2 °C at Wanaaring Post Office on the 28th	-7.8 °C at Perisher Valley AWS on the 31st	105.0 mm at Bellwood (Nambucca Heads Resor on the 13th)	21.6 °C at Tibooburra Airport and Wanaaring (Borrana Downs AWS)	2.7 °C at Thredbo AWS	342.2 mm at Coffs Harbour Airport	115 km/h at Coffs Harbour Airport on the 23rd
Victoria	33.9 °C at Ouyen (Post Office) on the 28th and Walpeup Research on the 28th	-6.0 °C at Falls Creek on the 25th	105.8 mm at Haines Junction (Mount Sabine) on the 1st	16.9 °C at Mildura Airport	2.8 °C at Mount Hotham	288.9 mm at Haines Junction (Mount Sabine)	146 km/h at Wilsons Promontory Lighthouse on the 29th
Tasmania	25.6 °C at Scotts Peak Dam on the 27th	-4.8 °C at kunanyi (Mount Wellington Pinnacle) on the 30th	182.2 mm at Gray (Dalmaine Rd) on the 15th	13.4 °C at Flinders Island Airport	3.2 °C at kunanyi (Mount Wellington Pinnacle)	509.0 mm at Mount Barrow (South Barrow)	180 km/h at kunanyi (Mount Wellington Pinnacle) on the 29th

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.

## New South Wales

Severe thunderstorms occurred frequently with intense rainfall, damaging winds and large hail.

On the 14th, a tornado was observed at Armidale, with reports of damage to buildings and cars. Large hail, up to 5 cm in diameter, was reported on the 14th at multiple locations including Tenterfield, Lalor Park, Ropes Crossing and the Blue Mountains.

On the 20th a severe thunderstorm moved through Coffs Harbour and Sawtell resulting in extensive damage to homes and the Toormina shopping centre and leaving hail up to 30 cm deep on the ground.

On the 23rd severe thunderstorms again affected Coffs Harbour and Sawtell. Hail with a diameter of greater than 4 cm was reported at Thirlmere, and severe thunderstorms were evident across the Illawarra, with multiple reports of large hail.

## Queensland

Severe thunderstorms hit south-east Queensland, bringing giant hail to areas near the Sunshine Coast on the 14th.

On the 18th, severe thunderstorm produced golf ball sized hail south-east of Rockhampton, and small hail covered the ground at Highfields.

A funnel cloud and possible tornado was sighted at Bracewell near Gladstone.

Giant hail was reported, with hail up to 16 cm in diameter reported at Yalboroo (between Mackay and Proserpine) on the 19th, which is the largest recorded hailstone with a verified measurement in Australia. Hail up to 11 cm in diameter was reported in the Mackay area on the 20th.

A wind gust of up to 120 km/h was recorded at Mackay Airport and sightings of a weak tornado, also on the 20th.

Thunderstorms hit Brisbane Airport on the 21st, with heavy rain and severe winds, leading to localised flash flooding. A weak tornado damaged buildings around the Port of Brisbane and Brisbane Airport.

On the 26th, severe thunderstorms with large hail and heavy rain were reported at several locations in south-east Queensland, particularly for the inland Sunshine Coast and Wide Bay. A destructive storm with damaging winds hit Bucca, west of Bundaberg, during the night of the 27th.

## Tasmania

Damaging south-westerly wind gusts were experienced in the north-west and south-east Tasmania on the 16th, and the highest gust was 128 km/h at kunanyi (Mount Wellington Pinnacle).

Snowfalls to around 800 metres occurred on the afternoon about Tasmania's west and south, and down to 600 metres in the evening on the 29th.

Snow settled across elevated parts of Tasmania, including kunanyi / Mount Wellington.

Damaging to destructive wind gusts were recorded in the north-west and south-east Tasmania on the 29th. The wind gust peaked at 180 km/h at kunanyi (Mount Wellington Pinnacle).

## Victoria

Large accumulations of small hail were observed on the 14th across north-west Victoria as a cold front and associated thunderstorms crossed the state.

Traralgon received 40.6 mm of rain on the 14th, with 20 mm falling in a 30-minute period; a minor flood warning was issued for Traralgon Creek.

Damaging winds affected Victoria on the 28th and 29th due to a low pressure system and the associated cold front; the strongest wind gust of 146 km/h was recorded at Wilsons Promontory Lighthouse on the 29th.

Victoria's State Emergency Service received more than 2000 calls for help, mostly for fallen trees and building damage, and parts of Victoria were left without power.

## South Australia

Damaging wind gusts were recorded in southern South Australia on the 28th. The highest wind gust was 107 km/h at Mount Crawford.

## Western Australia

Strong winds brought down trees and powerlines, leaving hundreds of homes without power in Perth suburbs on the 19th.

Australind in the South West and Morawa in the Central West districts had suffered the most damage in regional Western Australia.

Large fires burnt south-east of Halls Creek in the Tanami Desert near the Northern Territory/Western Australia border on the 22nd, leaving black scares on the landscape.

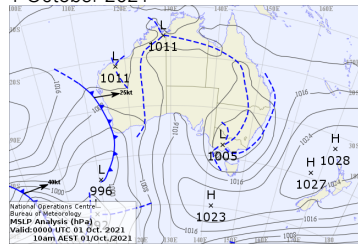
Thunderstorms produced small hail in several Perth suburbs, with the grounds at Curtin University covered in a white blanket. Small hail also fell at Busselton Jetty.

### Northern Territory

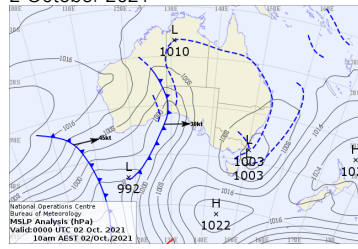
Severe to extreme heatwave conditions with temperatures over 40 °C affected the Top End for several days between the 17th and 22nd.

# Synoptic analyses and summary

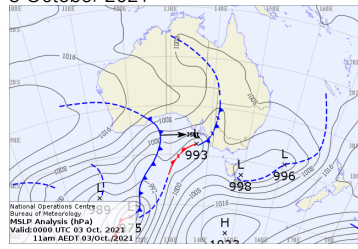
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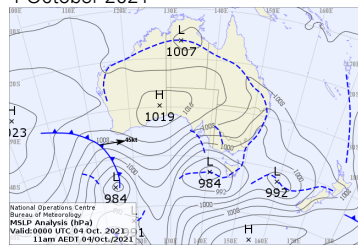
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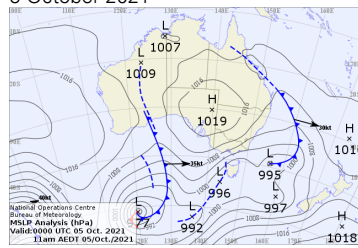
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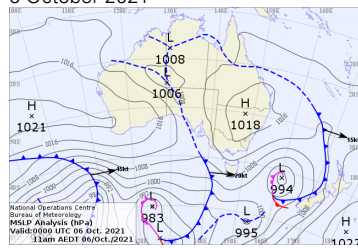
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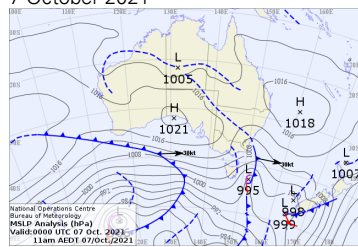
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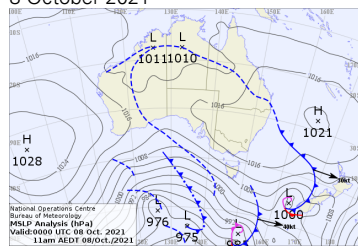
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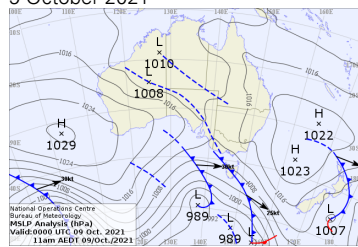
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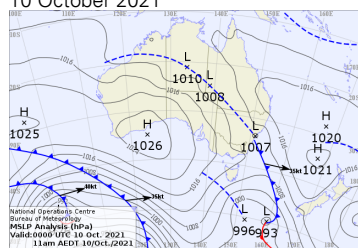
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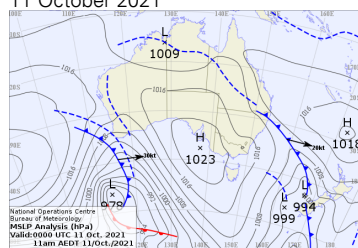
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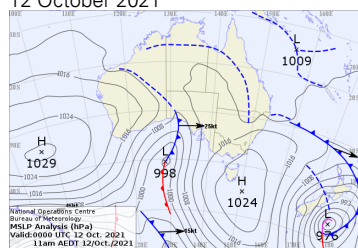
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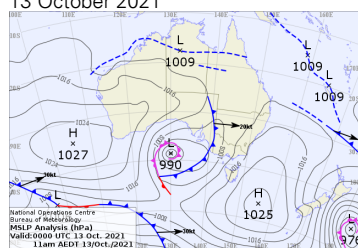
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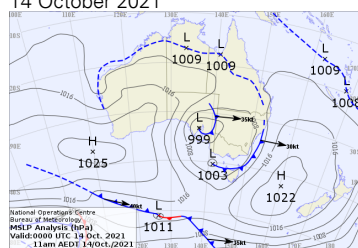
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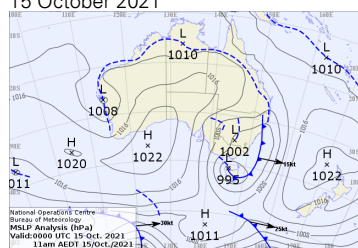
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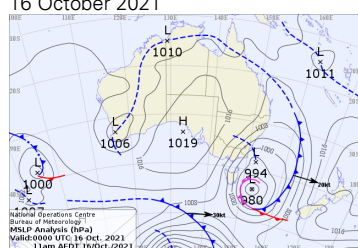
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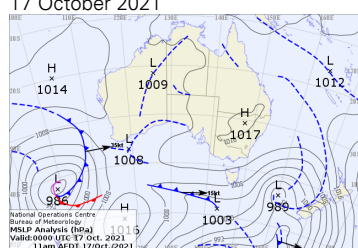
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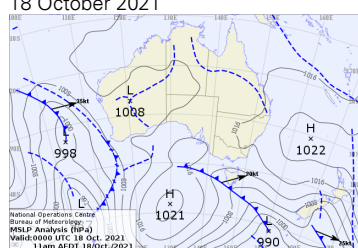
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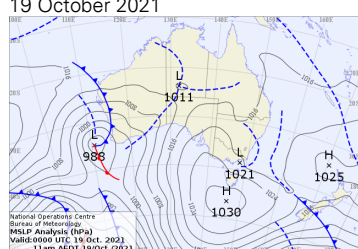
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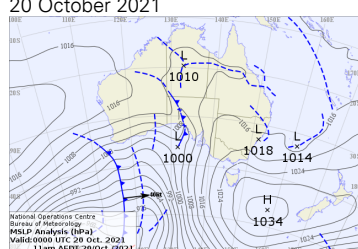
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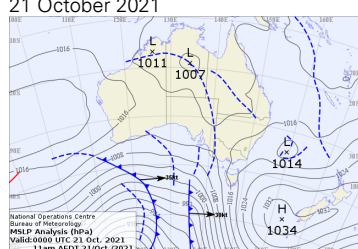
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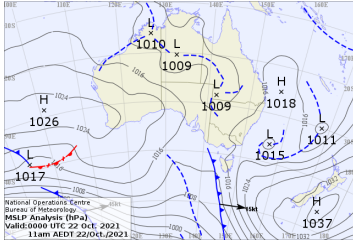
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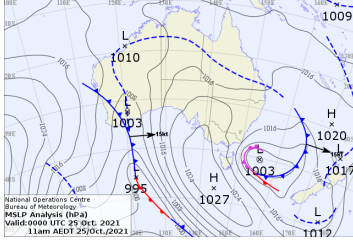
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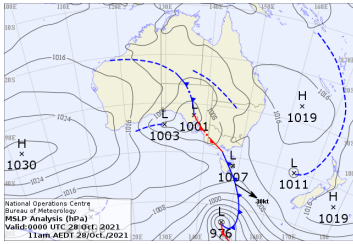
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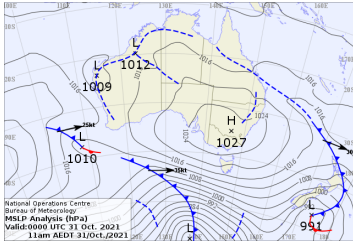
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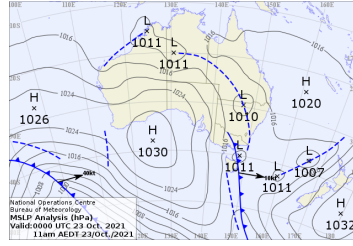
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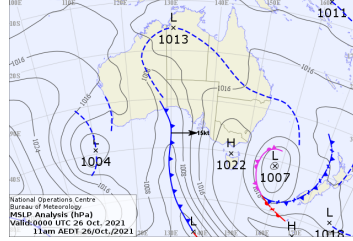
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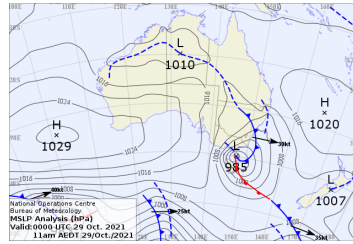
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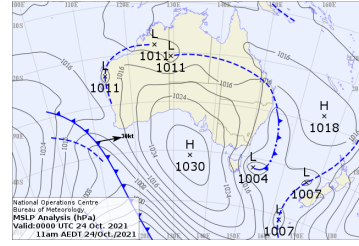
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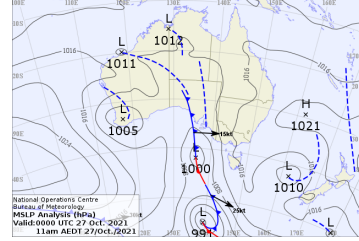
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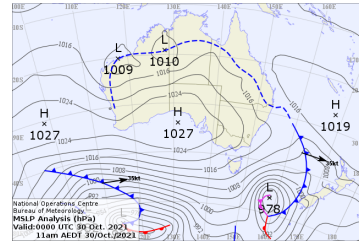
24 October 2021



27 October 2021



30 October 2021



## Synoptic summary

October saw broad areas of low pressure dominate much of Australia, particularly in the north and east. A number of high pressure systems and a series of cold fronts passed the south, while a number of complex low pressure systems developed in south-eastern parts of the continent. Monthly mean sea level pressures in October were generally below the 1961-90 average, with pressures about 3 hPa below normal on the south-west and south-east coasts of the mainland.

At the start of October, a complex low pressure system was located in south-eastern Australia, with one associated trough extending along the east coast, and another trough extending north across the inland of New South Wales and Queensland, through the Northern Territory and into northern Western Australia.

A cold front passed across the west coast of Western Australia, and a couple of troughs were located in central and eastern parts of that state. The complex low pressure system tracked south-eastward and

finally moved away from Tasmania east coast by the 3rd. The cold front and a secondary front tracked over southern Western Australia and South Australia, and a low pressure system deepened to the west of Tasmania, comprising of a very large complex low extending across the central Tasman Sea and the Great Australia Bight, and an associated cold front tracked across the south-west of Western Australia on the 4th.

A westerly airstream and embedded cold fronts were dominant weather features in Tasmania and the far south-east coast until the 9th.

A cloudband developed along the trough which extended from the north-west through central to south-east Australia, as a high pressure system moved into the Bight. The slow-moving trough and associated cloudband moved north and east across Queensland, and New South Wales, while a cold front tracked south-east. The systems moved north-east off New South Wales by the 12th, as the high pressure

system moved across the south-east of the continent to the Tasman Sea.

A cold front tracked across southern Australia, while an associated low pressure system in the Bight moved to the South Australian coast on the 14th. It soon developed into a complex low in the south-east of Australia, comprising of multiple centres and cold fronts by the 15th. A trough extended north through Queensland, the Northern Territory and northern Western Australia.

The complex low deepened in the eastern Bass Strait before moving further away from Tasmania's east coast by the 17th.

In the west, a weak low pressure system developed in the south-west of Western Australia, in the vicinity of the trough, then tracked across southern parts of the state. A cold front moved across the west and south of Western Australia, with an associated low pressure system tracking across the far south-west on the 19th.

Low pressure troughs dominated most of the country and a weak low pressure system developed in the eastern Bass Strait on the 23rd, while a high pressure system moved to the Great Australia Bight.

From the 25th to the 27th, a number of frontal systems tracked across southern Australia, and a complex low developed in southern South Australia on the 28th. The complex low moved across the south-east of Australia, while the associated cold front tracked across the far south of the Northern Territory, south-west Queensland, and New South Wales by the 30th.

A broad low pressure trough persisted across northern Australia from the Kimberley, through the Northern Territory to the south-east of Queensland. A high pressure system had moved across southern Australia to south-eastern states on the last day of the month.

# Temperatures

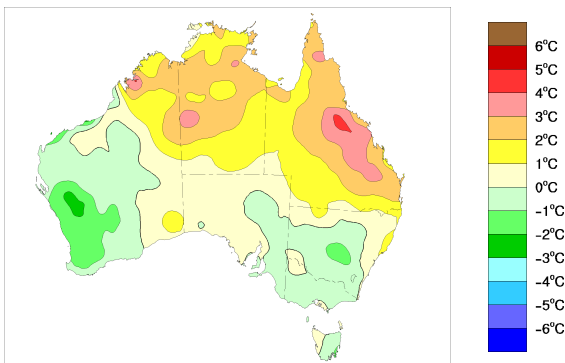
The national mean temperature for October was 0.93 °C warmer than the 1961–1990 average.

The mean maximum temperature for October was 1.08 °C warmer than average and the mean minimum temperature was 0.78 °C warmer than average.

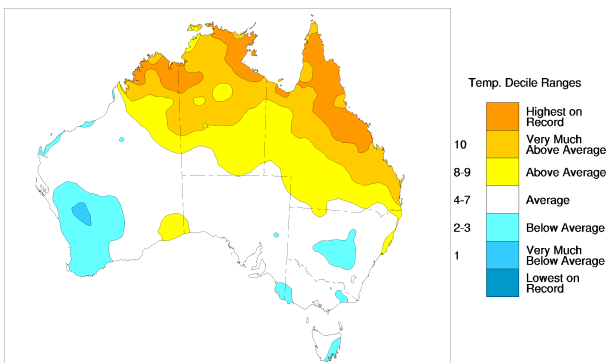
## Maximum temperatures

Mean maximum temperatures for October were very much warmer than average (amongst the highest 10% of historical observations for the month) for much of northern Australia, and warmest on record for parts of the coast from the Kimberley to Queensland's Central Coast.

### Anomalies of mean daily maximum temperature in October 2021



### Decile rank of mean daily maximum temperature in October 2021



The October mean maximum temperature was the fifth-highest on record for Queensland, and the seventh-highest for the Northern Territory.

Mean maximum temperatures for October were cooler than average for the western parts of Western Australia, and along the east coast of Tasmania. A few stations in the Kimberley, the Northern Territory, and in northern and the east coast in Queensland set their early season high temperature records between 1 and 10 October.

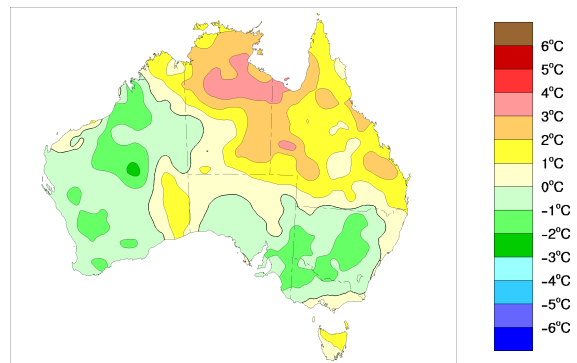
A severe heatwave hit the northern tropics in the second half of the month around the 18th and 22nd. A number of sites with over 30 years of record set their highest November temperature on record during the heatwave. In the Northern Territory, Victoria River Downs recorded the Territory's second-highest October temperature at 44.9 °C on the 21st. Tennant Creek Airport exceeded its previous October record on three consecutive days between the 19th and 21st.

In Western Australia, Argyle in the Kimberley had 23 consecutive days of 40.0 °C or above, which was a first at Argyle, for any month. In Queensland, persistent warmth resulted in a dozen or so sites along the east coast, including Cape Moreton Lighthouse with over 110 years of record, having their warmest October on record or warmest for at least 30 years.

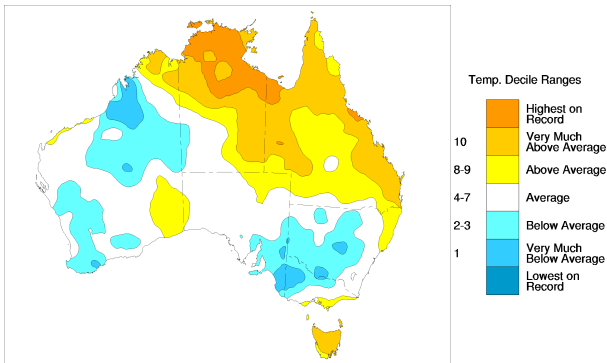
Notable cooler than normal days were observed in the western parts of continent on the 3rd, between the 10th and 15th in central and southern Australia, and on the 24th, 25th and 29th in south-eastern Australia. A number of sites in across the southern states recorded their lowest October maximum temperature on record.

## Minimum temperatures

### Anomalies of mean daily minimum temperature in October 2021



## Decile rank of mean daily minimum temperature in October 2021



Mean minimum temperatures for October were warmer than average for Queensland, most of the Northern Territory, the north Kimberley in Western Australia and Tasmania.

Mean minimum temperatures were cooler than average for the inland south-east and the agricultural

districts of South Australia, and in northern and western parts of Western Australia.

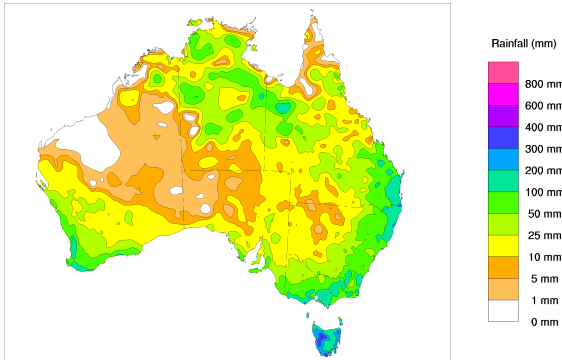
Queensland had its equal fifth-highest October mean minimum temperature on record, while both the Northern Territory and Tasmania had their sixth-highest on record.

Several locations in the north-west and east coast in Queensland, and the north and central Northern Territory, including Townsville and Darwin Airport, recorded their highest mean minimum temperature for October on record.

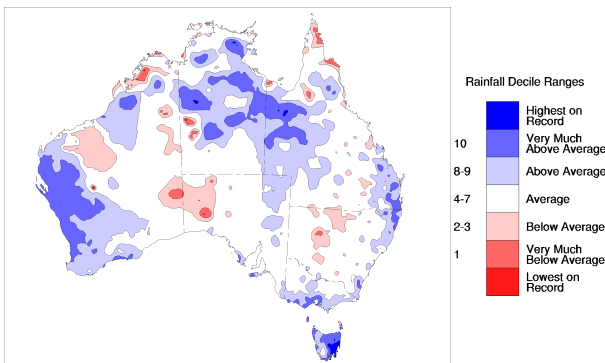
Nights were generally cooler than normal in the first half of the month but much warmer than normal in the second half.

Darwin Airport set its highest October minimum temperature on record during the heatwave event on the 20th, and record warm nights were recorded in south-eastern Queensland towards the end of month.

## Total rainfall in October 2021



## Decile rank of total rainfall in October 2021



October rainfall was 12% above the 1961-1990 average for Australia as a whole. Tasmania had its eighth-wettest October on record.

Rainfall was below average for parts of the Kimberley and the eastern Southern Interior District of Western Australia, north-west South Australia, the far south-west of the Northern Territory, and through parts of inland New South Wales, and along the north-east tropical coast of Queensland.

Rainfall was above or very much above average in the west, and southern Kimberley in Western Australia, most of the Northern Territory and western Queensland, along parts of the east coast of mainland Australia, southern Victoria, and across most of Tasmania except the west coast. Many stations in the

west of Western Australia, and northern and eastern Tasmania observed their wettest October on record, or wettest for at least 30 years. It was the wettest October on record at the Perth Metro site, and wettest since 1965 in Perth city's official records commencing in 1876.

A complex low pressure system produced moderate rainfall from the last day of September to the start of October in the south-east of Australia, with a number of sites in West Gippsland in Victoria recording their highest October daily rainfall on record on the 1st. A cold front and pre-frontal trough produced light to moderate rainfall in the west and central Western Australia on the 2nd.

An extensive trough moved across central and eastern Australia and produced thunderstorms and showers with moderate daily falls recorded along the trough between the 10th and 12th before contracting to the north-east of New South Wales by the 14th.

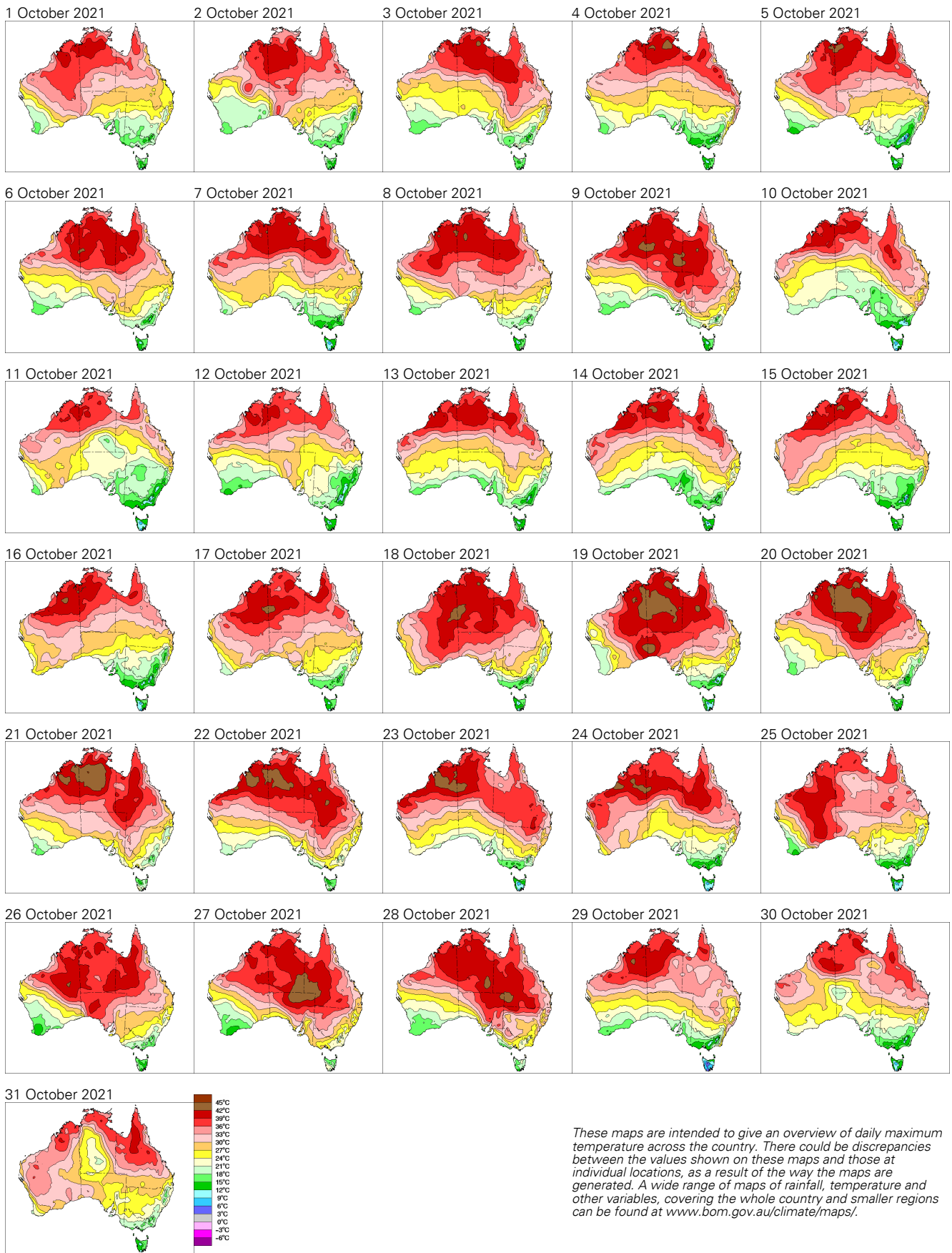
A number of cold fronts tracked across southern Australia during the second week. A complex low pressure system tracked over the south-east states around the 13th and 14th, and moved away from Tasmania east coast by the 16th. Moderate falls were recorded in southern states during this period. Gray in the east coast of Tasmania recorded a daily rainfall of 182.2 mm on the 15th, which was the seventh-highest October daily rainfall in Tasmania, and highest since 22 October 2005.

A cold front tracked across the west of Western Australia, and produced moderate rainfall on the 19th and 20th, including a number of daily rainfall records. A cold front tracked Tasmania and a weak low developed in the Bass Strait, and produced moderate to locally heavy rainfall in Tasmania on the 23rd and 24th.

Another deep complex low moved across the south-east of Australia in the last days of October, and produced widespread moderate rainfall.

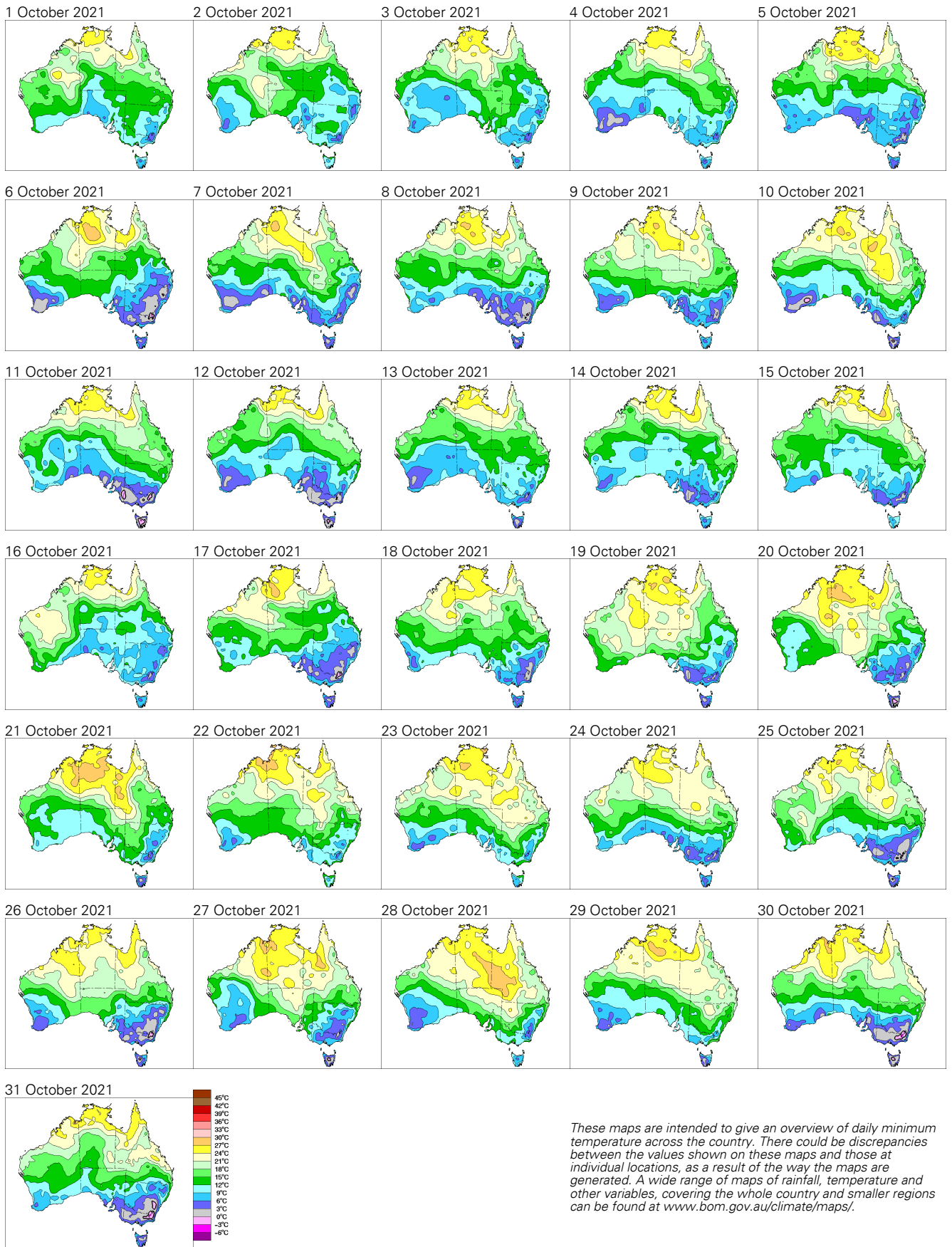
# Daily maps

## Daily maximum temperature maps



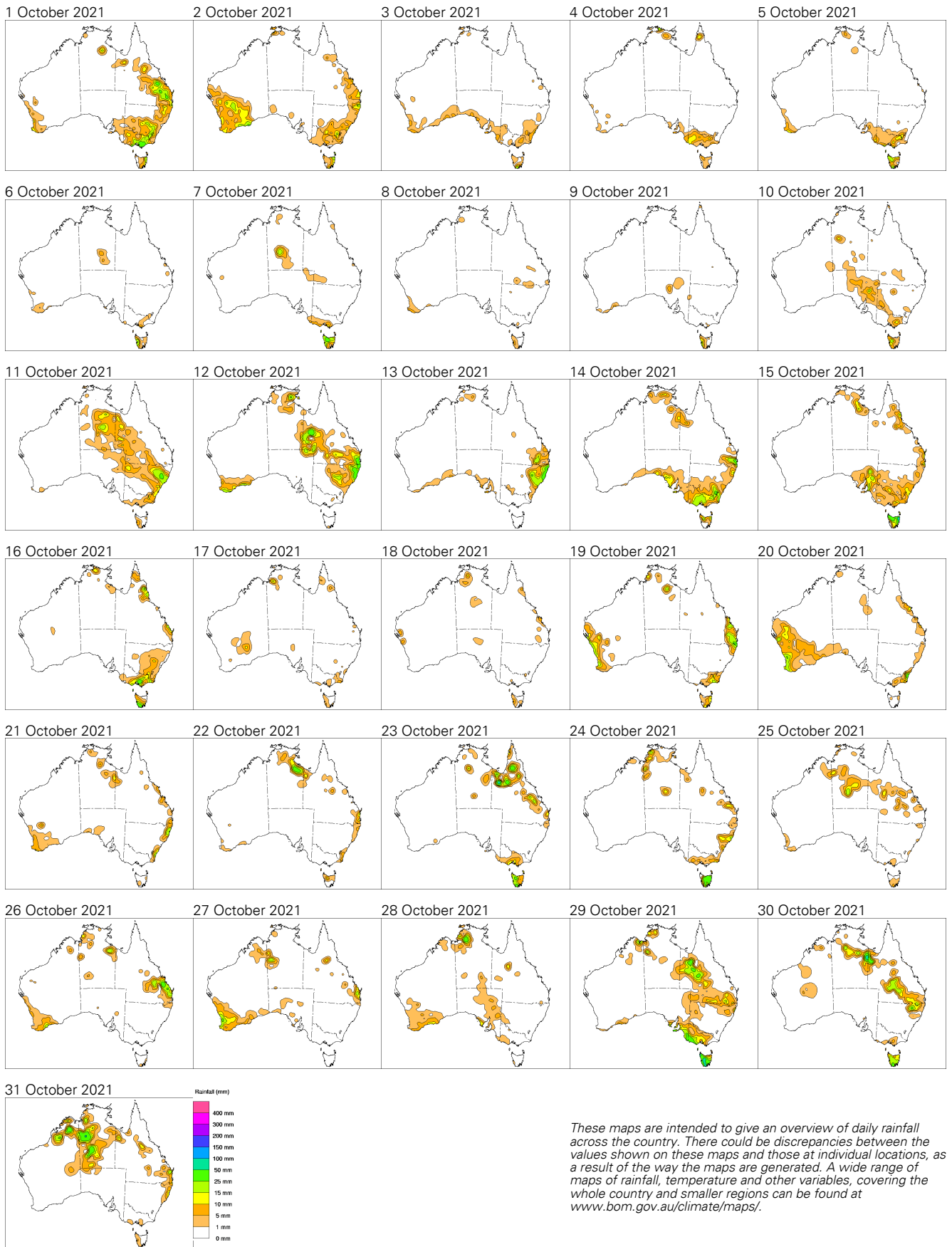
*These maps are intended to give an overview of daily maximum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables, 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



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

# Daily rainfall maps



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

# Records

Record highest October daily maximum temperature				
		New record	Old record	Years of record
Western Australia				
002056	Kununurra Aero	44.0 on 21st	43.9 on 23rd in 2002	36
Northern Territory				
014626	Daly Waters Airstrip	44.0 on 21st	43.0 on 29th in 2003	52
014825	Victoria River Downs	44.9 on 21st	43.1 on 31st in 1984	57
015135	Tennant Creek Airport	43.0 on 21st	41.9 on 27th in 2018	53
Queensland				
031037	Low Isles Lighthouse	35.7 on 22nd	35.6 on 26th in 2005	55
040043	Cape Moreton Lighthouse	32.3 on 24th	31.5 on 29th in 2003	112

Record highest October mean maximum temperature				
		New record	Old record	Years of record
Western Australia				
002032	Warmun	41.0	40.7 in 2002	59
002056	Kununurra Aero	40.8	40.4 in 2017	36
Northern Territory				
014401	Warruwi Airport	34.3	33.8 in 1998	56
014508	Gove Airport	33.8	33.5 in 2017	42
014703	Centre Island	34.9	34.4 in 2013	47
Queensland				
028008	Lockhart River Airport	32.2	31.9 in 1998	57
031011	Cairns Aero	31.9	31.0 in 2020	80
031037	Low Isles Lighthouse	32.6	32.0 in 2005	55
032040	Townsville Aero	31.7	31.0 in 2001	82
033002	Ayr DPI Research Stn	32.2	31.8 in 1962	64
033013	Collinsville Post Office	35.8	34.7 in 2005	64
033045	Mackay Aero	31.0	30.5 in 2005	36
033119	Mackay M.O	31.1	30.3 in 2005	63
033247	Proserpine Airport	33.4	32.1 in 2018	32
035264	Emerald Airport	35.0	34.3 in 2002	30
039083	Rockhampton Aero	32.8 =	32.8 in 1988	83
039089	Thangool Airport	32.5 =	32.5 in 2002	30
040043	Cape Moreton Lighthouse	25.4	25.3 in 2020	112
200283	Willis Island	30.3	30.2 in 1971	94

*= indicates the new record equals the old one.*

Highest October mean maximum temperature for at least 30 years			
		Observed this month	Most recent higher
Northern Territory			
014825	Victoria River Downs	40.3	40.4 in 1971
Queensland			
028004	Palmerville	37.8	38.0 in 1901 *
029038	Kowanyama Airport	37.8	38.1 in 1987
031108	Walkamin Research Station	32.1	32.2 in 1987
032037	South Johnstone Exp Stn	30.7	31.7 in 1971 *
035065	Springsure Comet St	33.3	35.0 in 1988 *
* note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.			

Record lowest October daily maximum temperature				
		New record	Old record	Years of record
Tasmania				
092003	Bicheno (Council Depot)	11.5 on 25th =	11.5 on 27th in 2004	46
094020	Dover	8.3 on 29th	8.8 on 16th in 2010	32
= indicates the new record equals the old one.				

Record lowest October mean maximum temperature				
		New record	Old record	Years of record
Tasmania				
092003	Bicheno (Council Depot)	15.9	16.0 in 2003	46

Lowest October mean maximum temperature for at least 30 years			
		Observed this month	Most recent lower
Western Australia			
010007	Bencubbin	22.9	22.7 in 1986 *
Tasmania			
092027	Orford (Aubin Court)	15.6	15.0 in 1976
* note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.			

Record lowest October daily minimum temperature				
		New record	Old record	Years of record
South Australia				
023013	Parafield Airport	1.4 on 11th	1.6 on 7th in 2010	65
New South Wales				
074034	Corowa Airport	0.0 on 7th =	0.0 on 8th in 2009	48
= indicates the new record equals the old one.				

Lowest October mean minimum temperature for at least 30 years			
		Observed this month	Most recent lower month
South Australia			
025507	Keith	6.7	6.6 in 1987 *
New South Wales			
050052	Condobolin Ag Research Stn	7.3	6.6 in 1956 *

\* 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				
014015	Darwin Airport	29.0 on 20th	28.8 on 23rd in 2005	81
014901	Douglas River Research Farm	27.3 on 22nd	26.7 on 26th in 2005	33
014932	Tindal RAAF	28.5 on 5th	28.4 on 15th in 2018	34
Queensland				
039059	Lady Elliot Island	24.2 on 31st	24.0 on 14th in 1998	64
040068	Double Island Point Lighthouse	22.9 on 30th	22.4 on 31st in 2020	59
043015	Injune Post Office	23.0 on 28th	22.3 on 17th in 2019	55
New South Wales				
200839	Lord Howe Island Aero	21.8 on 30th	21.7 on 31st in 2017	33

Record highest October mean minimum temperature				
		New record	Old record	Years of record
Northern Territory				
014015	Darwin Airport	26.6	26.3 in 1989	81
014198	Jabiru Airport	26.0	25.0 in 2017	44
014626	Daly Waters Airstrip	24.0 =	24.0 in 1955	52
014704	McArthur River Mine Airport	24.4	23.7 in 2005	41
014901	Douglas River Research Farm	24.5	24.4 in 1998	33
014932	Tindal RAAF	26.4	26.0 in 1988	34
015131	Elliott	24.8	24.0 in 1986	40
Queensland				
032040	Townsville Aero	23.1	23.0 in 1986	82
033002	Ayr DPI Research Stn	20.8	20.6 in 1987	64
033013	Collinsville Post Office	20.7	20.4 in 1987	64
035264	Emerald Airport	19.3	19.2 in 2017	30

= indicates the new record equals the old one.

Highest October mean minimum temperature for at least 30 years			
		Observed this month	Most recent higher
Northern Territory			
014825	Victoria River Downs	25.4	25.8 in 1989

Record highest October mean temperature				
		New record	Old record	Years of record
<b>Northern Territory</b>				
014015	Darwin Airport	30.5	30.0 in 1987	81
014142	Pirlangimpi Airport	29.7	29.6 in 2002	37
014198	Jabiru Airport	32.3	32.0 in 1988	44
014626	Daly Waters Airstrip	31.6	31.0 in 1955	52
014703	Centre Island	30.7	30.5 in 1998	47
014704	McArthur River Mine Airport	31.9	31.4 in 2013	41
014825	Victoria River Downs	32.9	32.5 in 1971	56
014840	Wave Hill	32.4 =	32.4 in 1988	48
014901	Douglas River Research Farm	31.7	31.4 in 2017	32
014932	Tindal RAAF	32.7 =	32.7 in 1988	34
<b>Queensland</b>				
028004	Palmerville	29.4 =	29.4 in 1987	116
029038	Kowanyama Airport	30.9	30.8 in 1998	51
031011	Cairns Aero	26.9	26.7 in 1998	80
031037	Low Isles Lighthouse	28.6	28.3 in 1998	55
032037	South Johnstone Exp Stn	25.6	25.5 in 1986	65
032040	Townsville Aero	27.4	26.8 in 1988	82
033002	Ayr DPI Research Stn	26.5	26.0 in 1987	64
033045	Mackay Aero	25.2	25.1 in 2005	36
033119	Mackay M.O	26.2	25.9 in 2005	63
033247	Proserpine Airport	26.0	25.5 in 2005	32
035264	Emerald Airport	27.1	26.2 in 2002	30
039083	Rockhampton Aero	26.1 =	26.1 in 1988	83
200283	Willis Island	27.8	27.7 in 1998	94

*= indicates the new record equals the old one.*

Highest October mean temperature for at least 30 years			
		Observed this month	Most recent higher
<b>Western Australia</b>			
002032	Warmun	32.9	33.1 in 1989
<b>Northern Territory</b>			
015131	Elliott	31.9	32.0 in 1988 *
<b>Queensland</b>			
037010	Camooweal Township	29.8	31.0 in 1988 *

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

Record highest October daily rainfall				
		New record	Old record	Years of record
<b>Western Australia</b>				
008057	Green Grove	28.2 on 19th	25.4 on 6th in 1990	68
008251	Kalbarri	26.1 on 19th	25.6 on 7th in 1999	51
008280	Eurardy	27.4 on 20th	22.8 on 20th in 2001	38
009131	Jurien Bay	27.2 on 19th	25.6 on 9th in 2013	53

Record highest October daily rainfall				
		New record	Old record	Years of record
Northern Territory				
014829	Lajamanu Airport	49.0 on 31st	41.0 on 13th in 2005	57
South Australia				
022839	Vivonne Bay (Highgate)	40.0 on 29th	32.2 on 22nd in 2013	33
026112	Magpie Corner (Murray's Cottages)	35.0 on 29th	30.0 on 9th in 1992	32
Queensland				
029131	Gereta Station	109.0 on 23rd	61.5 on 14th in 2005	34
037106	Phosphate Hill	29.0 on 12th	26.0 on 26th in 2001	33
041509	Traighli	65.0 on 19th	54.0 on 26th in 1998	34
New South Wales				
055254	Manilla (Fern Hill)	59.6 on 2nd	53.0 on 14th in 2000	47
Victoria				
085252	Erica (Philips Bridge)	68.0 on 1st	44.6 on 24th in 1985	55
085280	Morwell (Latrobe Valley Airport)	42.2 on 1st	33.6 on 20th in 1989	38
090013	Cape Bridgewater	51.4 on 26th	51.3 on 16th in 1908	117
090024	Coleraine Hospital	62.0 on 29th	46.6 on 23rd in 1985	123
090036	Drik Drik	48.6 on 29th	47.4 on 9th in 1992	107
090105	Strathdownie	45.0 on 29th	32.8 on 23rd in 1985	58
Tasmania				
091077	Deddington (Marathon)	59.2 on 24th	48.5 on 7th in 1968	90
091100	Three Hummock Island	43.8 on 29th	43.2 on 28th in 1945	30
091118	Evandale (Cambock Lane)	44.6 on 24th	42.4 on 7th in 1968	52
091197	Musselboro (Elverton)	60.0 on 24th	37.6 on 11th in 1992	54
091223	Marrawah	51.0 on 29th	50.2 on 24th in 2005	51
091245	Cape Grim BAPS (Comparison)	59.6 on 29th	38.2 on 31st in 2010	35
092047	Stonehouse	56.6 on 23rd	48.8 on 12th in 1958	84
092051	Pyengana (Forest Lodge Road)	123.0 on 15th	116.2 on 22nd in 2005	60
093040	Rotherwood	47.0 on 29th	37.3 on 20th in 1973	50
094143	Mauriceton (Jordan River)	33.6 on 29th	33.2 on 5th in 2020	52
098023	Yarra Creek	59.0 on 29th	57.2 on 23rd in 2013	48

Record highest October total rainfall				
		New record	Old record	Years of record
Western Australia				
008007	Pindawa	36.2	34.8 in 1976	63
008057	Green Grove	101.4	68.4 in 1965	69
008280	Eurardy	32.9	32.8 in 2001	37
009053	Pearce RAAF	133.2	84.5 in 1965	68
009113	Roleystone	153.8	144.0 in 1965	53
009151	Subiaco Treatment Plant	128.2	95.9 in 1989	52
009182	Maida Vale	107.8	104.4 in 1999	38
009199	Leeman	58.6	54.0 in 1992	37
009207	Pickering Brook North	139.1	128.1 in 1989	33
009210	Lake Nammen	92.0	91.0 in 1995	47
009240	Bickley	165.2	142.4 in 1977	53
009769	Culford	96.8	93.2 in 1977	53
009772	Erinair	107.8	96.6 in 1990	54
009894	Wagerup Refinery	131.2	121.3 in 1989	38
010000	Amery Acres	50.2	47.6 in 2011	64
010032	Cowcowing	49.8 =	49.8 in 1939	113
Northern Territory				
014829	Lajamanu Airport	94.4 =	94.4 in 2005	58
South Australia				
018144	Vanilla	72.0	68.2 in 2000	31
Queensland				
029131	Gereta Station	155.0	69.3 in 2005	34
Victoria				
086223	Dromana Sussex Farm	158.6	154.4 in 1975	61
089068	Rokewood	132.8	129.0 in 2003	61
090171	Portland (Cashmore Airport)	131.6	126.4 in 2020	40

= indicates the new record equals the old one.

## Record highest October total rainfall

		New record	Old record	Years of record
<b>Tasmania</b>				
091100	Three Hummock Island	150.8	130.6 in 2016	30
091118	Evandale (Cambock Lane)	132.8	113.0 in 1958	52
091121	Waterhouse(Barooga)	164.4	119.4 in 2005	61
091149	Kimberley (Siding)	159.9	156.8 in 2016	55
091171	East Sassafras (Elphin Grove)	161.1	154.4 in 1992	53
091173	Tomahawk (Carisbrooke)	145.4	142.9 in 1976	56
091197	Musselboro (Elverton)	156.4	152.7 in 1971	50
091219	Scottsdale (West Minstone Road)	155.8	153.2 in 1986	51
091223	Marrawah	174.6	171.4 in 1989	51
091236	Westbury (Birrale Road)	173.2	147.6 in 1979	43
091245	Cape Grim BAPS (Comparison)	174.6	127.8 in 2001	35
092001	Apslawn	255.4	205.8 in 1976	111
092003	Bicheno (Council Depot)	202.7	174.0 in 2005	97
092017	Kellevie	292.8	219.2 in 1958	103
092020	Lewis Hill (St Pauls River)	177.2	168.9 in 1958	90
092027	Orford (Aubin Court)	229.8	175.4 in 1952	69
092028	Orford South	212.6	154.1 in 1973	88
092040	Swansea (Belmont)	183.0	147.5 in 1976	38
092051	Pyengana (Forest Lodge Road)	375.0	309.2 in 2005	60
092053	Coles Bay (Freycinet)	214.0	166.4 in 1976	58
092099	Nugent (Twilight Valley)	260.6	141.8 in 2020	39
093002	Jericho (Bowsden)	148.4	141.3 in 1958	86
093014	Oatlands Post Office	155.0	131.6 in 1952	132
093016	Woodbury (Warringa)	146.2	144.0 in 1952	68
093033	Campbell Town (Elizabeth R)	123.3	93.3 in 2020	33
093040	Rotherwood	196.6	140.4 in 1988	50
093042	Woodbury (Warringa Old Tier Road)	179.4	114.6 in 2020	52
094008	Hobart Airport	135.4	117.3 in 1975	64
094055	Richmond (Brookbank)	145.0	135.0 in 1975	98
094068	Woodbridge	234.8	207.4 in 1947	70
094071	Eaglehawk Neck (Jetty Road)	227.8	194.1 in 1949	102
094082	Mount Rumney (Mount Rumney Road)	183.0	134.8 in 1966	51
094087	kunanyi (Mount Wellington Pinnacle)	322.2	271.8 in 2001	37
094111	Taroona (Taroona Crescent)	172.4	138.2 in 2001	60
094125	Margate (Sunnyside)	187.2	179.2 in 1988	54
094130	Orielton (East Orielton Road)	145.6	130.0 in 1975	52
094151	Longley (Telopea)	274.2	192.2 in 2001	43
094172	Tea Tree (The Point)	165.7	117.1 in 2020	36
094177	Richmond (Strathayr)	140.0	107.8 in 1988	34
098017	King Island Airport	158.8	136.2 in 2000	47
098023	Yarra Creek	183.6	165.0 in 1975	47

= indicates the new record equals the old one.

## Highest October total rainfall for at least 30 years

		Observed this month	Most recent higher
Western Australia			
006010	Carey Downs	21.0	35.0 in 1984 *
006044	Denham	24.8	73.3 in 1984
006097	Useless Loop	26.4	49.8 in 1984 *
007064	Murgoo	29.0	34.6 in 1984 *
008005	Barberton	57.4	81.9 in 1965
008028	Nabawa	52.8	92.9 in 1947
008077	Highfields	48.2	50.8 in 1990
008113	Riverside	50.6 =	50.6 in 1975 *
008121	Three Springs	50.4	51.4 in 1990 *
008143	Yandanooka	52.5	65.4 in 1947
008157	Canna	36.4	37.9 in 1975
008168	Howatharra	55.0 =	55.0 in 1971 *
008273	Arena	79.6	110.4 in 1990
009000	Araluen	147.5	180.6 in 1955 *
009007	Chidlow	121.7	159.3 in 1955 *
009014	Dandaragan West	78.2	107.2 in 1965
009015	Karragullen North	157.4	168.9 in 1965 *
009018	Gingin	86.8	114.0 in 1965 *
009021	Perth Airport	95.0	124.8 in 1971
009024	Marbling	112.4	121.2 in 1975
009030	Mundaring	148.4	220.5 in 1955 *
009040	Wannamal	88.1	92.9 in 1965 *
009066	Gidgegannup	130.6	148.7 in 1965 *
009105	Wanneroo	114.7	122.5 in 1965 *
009112	Bindoon	97.6	149.6 in 1965 *
009507	Bannister	92.6	107.6 in 1977
009513	Brunswick Junction	103.6	120.6 in 1989 *
009515	Busselton Shire	80.6	102.3 in 1977 *
009527	Dardanup East	100.2	114.4 in 1977
009534	Donnybrook	128.0	134.5 in 1977
009538	Dwellingup	164.6	171.3 in 1989
009575	Marradong	87.4	87.5 in 1977
009587	Newbicum	63.6	67.6 in 1989
009590	Northcliffe	142.8	206.2 in 1989 *
009592	Pemberton	151.8	219.6 in 1989 *
009600	Rosa Brook	133.0	162.6 in 1933 *
009611	Walpole	147.1	167.0 in 1989
009626	Pleasant Valley	102.6	107.8 in 1964
009629	Marrivood	111.0	119.6 in 1977 *
009654	Bremer Bay	84.9	106.8 in 1977 *
009710	Burekup	117.0	128.1 in 1933 *
009738	Muja Power Station	79.7	109.2 in 1977 *
009766	Little Grove	127.8	168.9 in 1977 *
009789	Esperance	93.8	117.0 in 1982
009805	Walpole Forestry	157.3	162.9 in 1989 *
009815	The Duke	86.4	100.6 in 1975 *
009822	Dalyup Park	98.8	105.4 in 1933 *
009891	Pinjarra Refinery	108.0	120.3 in 1989 *
009904	Walters Farm	152.8	181.2 in 1989 *

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

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

		Observed this month	Most recent higher
009908	One Tree Bridge (Hazelmere)	144.5	218.2 in 1989
009912	Ferguson Valley	121.0	135.2 in 1977
010058	Goomalling	50.8	52.1 in 1966 *
010530	Chamingup	74.0	98.2 in 1980
010582	Kojonup	72.0	80.8 in 1980 *
010614	Narrogin	52.2	74.2 in 1980
010635	Riverdale	55.2	80.0 in 1980
010647	Wagin	59.7	72.6 in 1980 *
010700	Kojonolokan Hills	55.2	67.3 in 1980 *
<b>Queensland</b>			
029027	Kamilaroi Station	113.2	146.1 in 1930 *
039248	Tecoma	96.0	186.1 in 1986 *
040004	Amberley AMO	167.8	319.5 in 1972
040094	Harrisville Mary Street	172.2	320.9 in 1972
040104	Kalbar State School	211.7	379.8 in 1972 *
040167	Palen Creek Correctional	248.0	355.1 in 1972 *
040184	Rosewood Walloon Rd	194.0	248.1 in 1972 *
040259	Yarraman Upper	191.0	231.3 in 1959 *
040493	Homeleigh	215.6	305.9 in 1972 *
041397	Burilda	122.6	155.2 in 1969 *
<b>New South Wales</b>			
070057	Braidwood (Krawarree)	146.0	194.2 in 1985
<b>Victoria</b>			
086299	Berwick (Buchanan Road)	165.6	192.2 in 1989 *
090093	Hordern Vale	213.4	222.0 in 1976 *
* <i>note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.</i> = indicates the new record equals the old one.			

## Highest October total rainfall for at least 30 years

		Observed this month	Most recent higher
<b>Tasmania</b>			
091001	Beaconsfield (Mine & Heritage Centre)	150.8	233.9 in 1955
091019	Connorville (Lake River)	133.8	153.1 in 1955 *
091053	Lilydale Post Office	149.0	150.2 in 1986 *
091072	Launceston (Kings Meadows)	112.4	115.0 in 1971 *
091156	Weetah (Weetah Road)	164.2	176.8 in 1986 *
091161	Parkham (Avenue Road)	144.2	150.8 in 1986
092002	Avoca (Railway House)	158.1	160.0 in 1926 *
092011	Gladstone (Old Post Office)	217.6	246.4 in 1958 *
092019	Lake Leake (Elizabeth River)	197.6	268.2 in 1958
092024	Mathinna (Fingal Road)	182.4	194.9 in 1958 *
092029	Ormley	146.7	147.0 in 1949 *
092030	Pioneer (Main Road)	238.6	252.5 in 1958
092045	Irapuna (Eddystone Point)	116.0	170.5 in 1976 *
092047	Stonehouse	174.0	182.6 in 1958 *
092079	Tooms Lake (Tooms River)	178.6	210.6 in 1958 *
094001	Apsley (Parki)	147.2	154.0 in 1988
094020	Dover	228.2	250.3 in 1947 *
094029	Hobart (Ellerslie Road)	160.4	193.1 in 1947
094039	Lunawanna	195.8	198.5 in 1947 *
094040	Lymington (Fattys Lane)	185.6	193.2 in 1988 *
094043	Middleton Post Office	183.3	198.0 in 1935 *
094048	Opossum Bay	139.6	182.1 in 1947 *
094061	Sandford (Maydena)	141.4	178.1 in 1947 *
094064	Wattle Hill	189.2	191.1 in 1947
094097	Levendale	216.2	250.1 in 1926 *
094175	Lucaston (Bakers Creek Road)	151.4	226.4 in 1988 *
095016	Osterley	167.0	279.0 in 1988 *
096046	Miena Dam	188.6	189.8 in 1988 *
098000	City of Melbourne Bay	164.4	167.2 in 1989
098004	Naracoopa	178.8	251.6 in 1949
* <i>note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported.</i>			
= <i>indicates the new record equals the old one.</i>			

# Selected observations

## Daily and mean maximum temperatures for October 2021

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	38.9	38.2	40.4	41.3	40.8	41.5	39.1	40.3	38.5	39.1	40.6	38.3	36.1	37.4	38.7	38.2	38.8	38.4	38.4	39.1	40.0	39.1	37.1	36.4	37.4	38.7	38.5	39.5	39.4	38.2	38.8		
002056 Kununurra Aero	40.8	40.5	40.4	41.1	40.9	42.6	40.8	41.5	41.5	40.7	41.9	40.4	40.1	39.9	40.3	41.1	42.1	40.6	40.7	42.5	42.5	44.0	41.9	41.0	39.2	38.3	40.0	40.4	40.9	39.7	37.9		
003003 Broome Airport	33.5	+0.6	32.2	29.9	29.2	30.9	29.2	28.9	31.5	30.8	30.8	37.2	37.4	32.0	39.1	39.4	40.2	35.6	32.4	32.3	31.8	31.8	31.9	37.9	41.0	41.6	31.4	31.4	31.1	31.7	31.3	35.1	
003032 Derby Aero	38.5	40.0	36.4	36.0	35.0	35.6	35.5	37.6	41.2	38.3	40.1	39.1	40.1	41.4	41.3	38.1	38.4	38.2	37.9	39.2	41.1	42.0	43.1	43.6	35.6	35.0	36.1	37.7	38.7	37.9	37.0	37.7	
004032 Port Hedland Airport	34.4	-0.3	30.5	32.4	32.8	32.5	31.7	35.0	32.5	31.8	33.4	36.6	31.3	36.7	37.0	34.4	36.5	38.2	35.7	32.0	31.7	33.7	37.5	40.3	39.4	38.5	35.7	34.5	35.1	32.8	30.8	31.5	
004083 Karratha Aero	32.8	34.2	31.8	30.6	32.5	30.5	32.3	30.4	32.0	35.0	33.9	30.5	35.6	32.7	32.0	33.6	34.2	30.0	30.3	30.9	32.7	33.5	36.9	37.0	35.3	35.7	34.6	32.3	33.9	30.1	32.2	30.0	
004106 Marble Bar	37.9	37.3	32.0	33.0	36.3	37.0	37.4	38.5	39.3	39.0	35.3	35.7	37.9	37.8	38.2	38.4	40.1	39.9	37.7	36.8	37.2	38.4	39.6	40.4	40.5	41.7	39.8	39.0	39.0	39.9	36.4	36.1	
005007 Leamonth Airport	31.9	31.3	28.4	29.1	31.8	29.6	31.9	35.9	32.2	32.6	33.8	35.1	33.1	35.0	31.4	30.8	31.4	29.6	26.8	25.2	28.7	32.8	36.4	40.1	36.9	30.3	28.5	28.4	29.9	33.3	36.5	30.6	
006011 Carnarvon Airport	25.9	-0.1	26.0	23.1	24.0	24.4	23.0	23.2	24.9	25.6	23.9	29.0	24.4	26.6	31.6	28.9	27.1	25.3	23.8	26.6	23.6	23.7	25.1	27.3	31.5	27.6	25.1	23.9	24.6	26.7	30.4	27.0	
006044 Denham	24.8	22.0	23.0	23.5	23.5	23.0	25.0	23.0	23.0	27.0	23.5	23.0	29.0	33.5	27.0	26.0	25.0	22.0	23.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	
007176 Newman Aero	33.7	35.2	26.3	27.8	32.0	34.4	31.3	34.5	38.1	32.3	28.8	32.9	31.0	31.1	33.3	35.7	35.7	36.5	36.1	37.2	30.1	33.6	33.9	35.7	36.3	39.0	35.1	34.0	33.4	35.7	32.8	34.1	
007185 Paraburdoo Aero	34.2	34.5	26.0	29.3	34.7	33.6	32.1	37.2	38.2	31.8	32.3	35.2	32.6	35.3	36.7	35.8	34.4	36.4	33.5	33.3	28.5	33.3	35.7	38.7	40.1	38.6	29.5	30.5	33.4	36.0	35.6	36.4	
007045 Meekatharra Airport	28.8	-0.6	30.7	20.7	23.6	29.3	26.7	26.0	31.5	31.5	26.6	26.6	31.0	23.1	27.4	31.2	34.0	29.0	32.6	32.1	26.9	29.2	32.4	36.6	31.1	22.5	25.1	25.0	28.5	31.5	34.2		
007600 Mount Magnet Aero	27.0	27.1	19.2	21.4	25.5	23.1	24.2	30.1	26.1	24.2	25.4	29.7	21.6	26.1	29.7	34.4	28.6	32.0	32.5	28.7	22.8	27.1	30.8	37.2	28.6	20.9	19.8	23.1	26.0	28.8	34.0		
008296 Morawa Airport	21.1	20.7	22.0	23.9	22.1	23.1	27.2	23.7	23.7	23.7	27.0	24.5	22.1	26.3	30.8	27.1	27.1	29.9	20.2	23.4	26.2	23.4	26.2	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	
008297 Dalwallinu	23.9	19.0	19.6	20.7	22.6	20.1	21.2	24.8	21.7	20.4	25.3	24.1	19.7	23.6	27.9	34.7	26.8	26.7	29.9	19.3	20.6	23.1	22.9	28.7	35.2	22.3	18.8	18.1	20.0	22.5	27.5	33.5	
008315 Geraldton Airport	24.0	20.2	21.1	22.1	21.0	21.4	21.3	22.4	23.3	22.7	25.7	22.7	21.7	25.7	33.1	36.2	23.8	23.5	26.7	21.5	22.1	22.9	24.4	27.3	30.3	20.2	20.1	20.8	21.1	25.0	28.0	25.4	
009021 Perth Airport	21.8	-0.5	19.6	19.9	19.6	20.0	19.3	18.8	20.4	20.4	20.4	22.6	20.9	18.4	21.5	24.3	33.6	22.3	21.9	25.5	21.0	19.5	20.3	22.6	25.9	30.7	17.3	17.5	18.6	20.0	22.1	25.2	24.4
009131 Jurien Bay	22.4	19.7	21.6	21.4	21.1	19.8	20.6	20.6	21.5	24.4	21.9	20.1	22.7	28.5	31.0	30.0	22.9	22.9	22.8	20.6	21.3	22.1	22.3	25.4	20.2	19.8	19.7	21.3	23.9	25.9	22.8		
009225 Perth Metro	21.5	19.5	20.0	18.9	20.4	18.4	18.6	20.1	20.2	20.1	22.2	20.4	17.8	20.9	24.5	33.2	22.1	22.3	24.3	20.8	20.4	20.4	22.2	25.9	28.6	17.6	17.9	18.1	20.1	21.1	24.9	23.9	
009240 Bickley	18.7	15.4	15.5	15.0	16.6	15.4	16.1	18.0	17.1	20.3	17.0	15.4	20.4	21.4	30.6	20.8	18.9	23.4	16.8	15.7	16.5	19.5	23.1	28.5	14.2	13.8	14.6	16.8	18.9	22.1	24.0		
009518 Cape Leeuwin	18.3	-0.2	17.6	17.4	17.3	17.5	16.0	16.7	18.3	17.3	17.3	17.6	15.2	16.9	17.3	18.1	19.1	21.9	20.7	23.6	19.5	18.1	17.9	19.3	20.6	19.9	16.6	17.2	17.4	17.4	19.3	19.1	
009617 Bridgetown	18.6	17.7	17.7	17.2	16.8	14.1	16.2	17.4	16.4	16.6	19.6	16.1	14.8	17.9	18.3	23.1	27.4	20.1	23.4	18.7	15.9	17.9	20.6	22.7	24.5	16.9	14.0	16.1	15.8	21.8	22.7		
009746 Witchcliffe	17.8	17.3	16.8	17.8	14.9	16.3	18.8	17.0	17.5	17.8	13.9	15.7	16.7	19.3	24.2	23.8	19.9	21.2	19.6	17.1	18.8	19.4	21.7	21.0	16.6								
009789 Esperance	20.6	23.4	18.0	16.0	23.6	17.1	16.9	21.9	17.9	16.7	18.0	28.4	15.6	16.7	16.1	21.3	25.1	22.7	23.6	27.2	22.0	20.6	18.1	19.9	29.4	24.9	16.2	16.7	16.1	16.4	23.0	29.2	
009865 Bunbury	19.4	18.4	18.2	17.6	18.4	16.1	16.7	19.4	17.9	19.4	19.1	17.4	17.2	20.0	21.4	27.6	24.0	20.6	22.8	19.8	19.5	19.3	18.8	19.0	21.6	23.3	17.9	16.6	17.2	17.4	17.4	19.3	19.1
009877 Mandurah	19.9	19.4	18.4	18.2	18.5	17.1	18.1	19.2	19.2	19.6	20.3	18.4	17.5	19.0	21.9	31.8	22.1	20.8	20.8	19.8	18.6	18.7	20.4	21.9	23.6	17.5	16.4	17.9	18.8	21.7	21.6	21.1	
009999 Albany Airport	19.0	21.4	17.6	16.5	19.4	14.1	17.4	21.1	19.0	16.2	19.5	20.8	15.5	17.1	16.3	20.4	23.2	20.5	24.9	22.5	18.2	18.9	18.1	22.4	27.4	14.1	15.3	15.9	15.2	21.5	23.0		
010007 Bencubbin	22.9	-2.1	19.4	19.0	22.5	18.5	21.0	24.3	21.4	19.5	23.7	24.0	19.0	22.5	25.6	33.0	28.5	26.8	18.5	20.5	21.0	22.5	28.0	33.1	22.5	17.5	18.0	17.2	20.5	25.2	31.0		
010092 Merredin	23.5	-0.8	18.0	20.0	19.0	21.5	20.0	21.0	24.5	22.0	22.5	24.6	19.0	24.5	25.4	31.0	30.5	27.4	21.4	22.6	20.4	21.2	23.6	27.0	32.5	23.7	17.5	18.0	17.2	22.0	25.2	31.1	
010286 Cunderdin Airfield	23.6	20.1	20.3	19.5	21.5	20.9	20.5	23.5	22.6	20.1	24.1	23.6	20.2	23.4	25.3	33.6	29.3	26.1	30.9	20.5	20.3	22.2	23.5	27.5	34.5	20.0	18.0	19.7	18.4	22.2	26.8	33.0	
010633 Ravensthorpe	21.5	-0.7	21.3	19.0	17.1	21.5	18.5	20.0	23.0	19.0	14.8	21.0	25.5	15.5	17.0	19.5	26.5	27.8	26.2	29.5	26.5	21.0	21.0	19.5	23.5	31.0	21.4	18.0	15.5	17.0	23.5	29.6	
010911 Lake Grace	21.2	19.2	19.4	16.3	19.7	16.9	18.2	22.3	19.3	18.3	20.6	22.8	16.9	19.2	22.0	28.2	27.8	25.2	29.5	20.4	19.4	19.1	20.9	24.6	31.5	19.7	16.7	15.2	16.0	18.0	23.6	30.1	
010916 Katanning	19.3	18.1	17.5	16.1	17.4	15.4	15.4	19.0	17.2	17.2	19.4	20.6	14.9	17.4	19.6	26.2	28.4	21.4	26.6	18.4	17.9	18.6	20.0	23.1	29.7	15.6	13.4	14.1	15.9	15.3	22.6	26.9	
010917 Wandering	19.9	18.3	17.3	16.7	17.0	16.2	17.7	19.9	19.0	16.9	20.4	19.0	18.4	20.8	28.2	27.2	21.0	25.5	18.3	17.5	17.8	20.4	23.4	28.9	16.5	14.1	16.8	16.2	18.0	23.3	27.0		
011003 Eucla	24.5	+0.7	32.7	23.4	23.9	24.6	32.2	18.7	26.6	32.0	18.8	17.4	2																				

## Daily and mean maximum temperatures for October 2021

	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																																	
048027 Cobar MO	26.0	+0.3	20.3	21.1	29.6	25.0	22.8	26.4	24.2	28.5	34.5	23.8	16.9	17.6	25.7	25.8	17.0	20.8	25.0	29.2	28.2	27.7	28.7	33.0	32.4	24.8	24.7	28.8	34.2	31.0	29.2	23.5	26.0
048245 Bourke Airport AWS	28.6		24.0	25.8	31.8	26.4	25.2	27.0	27.2	30.4	36.1	28.7	17.7	21.8	26.9	27.3	22.0	23.8	26.8	30.1	32.5	29.4	29.5	34.6	35.3	27.7	27.6	29.9	36.1	36.2	32.6	28.0	27.8
049000 Ivanhoe Aerodrome AWS	25.5		19.1	19.6	27.9	22.9	22.0	27.6	21.4	26.4	32.7	18.0	20.0	23.5	26.9	24.2	19.7	21.9	25.8	29.7	24.3	28.6	30.7	35.2	27.7	23.7	23.7	27.6	34.7	30.9	26.0	21.5	25.3
050052 Condobolin Ag Research Stn	23.3	-1.5	19.6	18.8	23.5	20.9	18.3	23.0	23.5	22.6	30.0	21.2	18.9	17.1	22.2	22.9	16.8	19.1	22.0	26.5	24.0	24.0	24.3	28.3	30.8	23.9	22.3	25.5	30.7	29.6	26.0	21.7	24.0
052088 Walgett Airport AWS	27.9		26.4	24.6	28.6	25.4	24.0	25.1	27.9	28.8	33.3	18.8	16.7	24.5	29.0	22.4	24.1	25.8	28.9	30.9	27.3	27.0	32.1	37.8	27.0	27.0	28.3	34.3	35.4	33.4	27.8	28.4	
053115 Moree Aero	27.8		26.2	23.5	26.3	24.7	22.4	25.0	25.5	27.9	31.2	31.2	19.5	20.1	26.4	30.3	23.5	22.9	25.4	27.9	29.5	28.5	28.2	31.9	38.0	28.7	27.8	29.9	33.9	37.9	29.2	29.0	29.3
054038 Narrabri Airport AWS	26.9		26.3	22.4	25.3	25.3	22.8	24.9	26.3	27.6	31.2	31.1	20.5	18.1	25.7	29.7	21.6	21.4	24.4	27.6	28.4	26.3	26.0	29.5	34.7	27.5	27.1	28.5	32.3	35.3	29.7	28.4	27.5
055325 Tamworth Airport AWS	25.4		24.4	21.1	23.7	24.5	21.3	23.0	25.3	26.3	29.2	29.2	20.8	19.9	24.9	27.4	20.7	20.0	22.9	25.2	26.7	23.6	25.3	28.0	33.3	25.6	24.6	27.0	29.7	32.3	28.1	27.1	24.8
056242 Inverell (Raglan St)	24.5		23.1	18.9	23.1	23.9	21.1	23.6	23.1	25.6	26.8	27.4	19.1	20.1	24.1	24.9	21.1	18.7	23.2	23.9	25.4	25.3	25.1	27.8	30.4	26.2	24.9	26.3	29.1	31.9	24.8	26.8	23.3
057095 Tabulam (Muirie)	23.9		23.4	21.2	25.4	28.4	23.8	23.9	25.3	24.0	27.5	28.7	21.3	15.1	19.2	23.1	22.5	21.8	24.1	20.2	23.8	23.7	16.1	25.2	30.5	27.9	22.9	23.2	26.3	31.1	23.1	29.2	18.6
058012 Yamba Pilot Station	25.1	+2.1	26.3	27.1	28.8	33.1	28.1	22.1	25.6	23.1	25.1	26.5	22.6	18.8	21.6	24.6	28.9		22.5	24.6	23.6	23.1	20.5	23.9	26.9	30.8	24.8		25.6	27.8	24.8	25.0	21.6
Port Macquarie Airport AWS (Comparison)																																	
060139	25.0		25.7	25.5	25.0	33.2	25.6	22.2	27.7	23.2	25.7	30.5	18.5	17.6	21.3	22.9	27.8	25.4	22.9	26.1	25.1	22.1	23.2	24.6	28.4	26.0	23.7	22.9	25.6	27.5	30.9	24.2	22.5
061078 Williamtown RAAF	24.8	+1.3	25.2	24.6	26.2	28.4	24.1	24.3	30.2	22.0	29.9	34.3	15.8	18.0	20.2	26.8	24.0	22.4	22.7	24.4	26.9	20.5	22.8	23.4	28.6	21.6	25.2	21.8	27.4	32.2	32.4	20.9	21.2
061363 Scone Airport AWS	25.0		24.2	21.3	24.0	25.0	21.0	24.3	25.9	25.4	29.7	31.4	16.9	16.0	20.6	27.6	21.0	20.3	23.7	25.6	28.0	20.2	24.3	26.8	33.4	24.8	24.2	26.1	29.1	31.9	30.3	26.8	24.3
062104 Mudgee Airport AWS	22.0		22.7	18.3	20.7	20.0	17.6	21.4	25.0	23.6	27.3	27.7	16.8	12.2	19.3	25.1	15.2	16.5	20.6	23.0	24.3	20.1	22.1	24.8	30.4	21.2	20.2	23.3	26.4	26.1	26.4	21.0	22.8
063005 Bathurst Agricultural Station	19.6	+0.1	18.6	16.2	19.1	16.8	13.3	19.1	22.4	21.0	24.0	24.0	15.5	13.5	16.8	22.0	14.0	13.0	18.5	21.0	20.5	19.0	20.5	23.4	27.5	17.4	16.5	21.0	24.0	26.0		21.8	21.2
063254 Orange Agricultural Institute			16.0	11.0	16.3	18.9						21.4	14.8	11.5	15.5	18.8			15.1	18.3	17.2	16.6	18.6			24.4	14.2	17.9	21.1	23.4		18.5	
064008 Coonabarabran (Showgrounds)	23.0	-1.2	23.1	17.9	22.4	21.1	17.0	23.5	23.0	25.0	28.0		19.6	14.4	21.5	25.5	16.5	18.2	22.3	24.5	25.8	20.5	22.5	26.8	31.3	21.9	21.8	25.2	28.0	30.0	27.5	22.2	23.4
065070 Dubbo Airport AWS	23.6		23.4	19.6	22.6	21.2	19.1	22.3	25.2	24.1	29.4	26.7	19.8	13.8	23.4	25.9	17.5	19.0	21.8	25.2	25.7	22.4	24.7	27.6	31.8	22.2	21.9	25.1	28.4	29.3	27.9	21.3	24.1
066214 Sydney (Observatory Hill)	24.2		24.7	24.9	26.0	28.3	22.6	24.9	31.0	22.8	25.6	25.5	15.5	17.3	18.4	24.1	22.1	23.3	23.1	25.1	24.2	23.5	24.8	25.1	25.2	22.8	23.2	23.4	25.4	30.4	33.0	20.9	23.0
067105 Richmond RAAF	25.4		26.8	23.6	25.5	27.7	21.9	26.5	30.5	23.8	31.3	33.0	13.6	15.7	17.2	25.7	21.5	22.9	24.0	27.3	27.1	23.0	23.7	26.4	33.1	25.6	24.2	24.6	29.6	32.0	32.3	22.6	23.4
068072 Nowra RAN Air Station AWS	22.3		21.9	22.4	24.0	25.5	19.7	24.8	28.2	20.7	28.8	17.1	16.4	15.5	18.7	23.5	20.5	21.2	20.8	26.4	17.2	20.6	21.4	23.7	29.0	21.0	19.4	20.3	24.7	31.3	28.2	17.8	20.7
068151 Jervis Bay (Point Perpendicular)	20.3		20.4	19.8	20.4	26.0	18.5	20.2	26.0	19.5	23.9	17.3	14.8	17.0	18.8	21.1	18.2	19.5	17.7	17.1	16.4	19.4	20.9	20.9	24.6	18.7	17.1	18.2	22.0	27.8	27.4	16.0	18.5
068241 Albion Park (Shellharbour Airport)	22.2		20.9	22.5	23.3	26.4	20.9	22.6	30.3	20.6	24.6	22.4	16.2	17.0	18.2	20.4	21.7	21.6	20.0	23.4	20.7	21.5	22.5	23.1	24.9	20.4	20.2	20.6	22.6	27.6	31.1	18.5	20.3
069018 Moruya Heads Pilot Station	20.1	+0.3	19.7	18.9	19.5	26.4	22.9	19.0	25.0	18.3	20.7	16.9	17.0	15.4	16.9	20.2	17.8	22.0	17.9	21.0	14.9	20.0	20.2	20.3	21.3	20.1	18.3	18.7	20.7	26.6	28.6	18.0	18.5
070351 Canberra Airport	19.2		19.1	19.3	18.8	19.6	13.5	18.9	21.2	19.0	22.6	21.9	15.6	13.7	15.8	17.7	14.2	17.5	18.2	21.2	16.6	18.2	20.1	22.7	25.1	19.7	17.5	19.8	23.3	26.6	20.2	17.1	19.8
071041 Thredbo Village					13.3					14.5	14.0	11.3	8.0	7.0	9.0			12.0	8.5	12.2	12.5			10.5	16.5	19.0	16.0	10.2	15.5	21.0	20.5	8.0	16.0
072150 Wagga Wagga AMD	21.0	-0.3	20.4	20.5	19.4	17.6	15.2	20.4	18.4	19.7	26.2	20.5	18.1	18.4	18.8	20.4	15.5	18.3	19.5	24.1	20.2	24.0	22.8	25.7	26.0	20.2	19.4	23.0	27.4	27.9	21.7	18.8	22.7
072160 Albury Airport AWS	20.5		17.9	20.6	19.6	17.3	14.4	20.5	18.5	19.6	24.5	18.2	18.1	20.3	18.9	20.4	17.5	19.2	19.4	23.1	20.5	23.6	22.9	26.0	23.5	19.9	19.5	22.4	26.1	25.8	18.8	17.6	20.9
072161 Cabramurra SMHEA AWS	10.7		12.0	11.2	10.0	8.7	3.8	9.5	11.1	12.0	14.8	11.8	7.2	8.3	9.3	9.6	4.1	5.8	10.6	11.9	8.6	10.7	13.5	16.9	14.4	9.8	9.8	12.5	16.0	19.0	7.7	7.9	12.8
074258 Deniliquin Airport AWS	22.3		16.8	21.8	19.8	18.3	18.7	23.6	18.7	22.3	28.4	17.8	18.1	20.7	21.7	20.7	18.7	19.7	20.9	25.6	20.8	25.7	26.4	30.1	24.5	20.5	24.3	24.4	30.9	30.9	21.7	19.9	23.2
Victoria																																	
076031 Mildura Airport	24.5	+0.6	19.9	21.6	27.1	20.5	22.2	28.0	21.0	25.3	31.6	19.5	18.8	22.9	22.9	19.7	21.2	21.1	24.7	28.4	22.7	28.0	31.7	31.7	23.6	22.2	22.5	27.7	32.7	33.0	21.8	21.2	24.8
078015 Nhill Aerodrome	20.4		16.6	19.0	19.1	16.0	18.0	23.8	16.9	22.0	24.5	16.8	16.7	20.0	20.2	16.1	16.8	17.3	18.6	20.7	19.8	25.2	26.2	24.9	19.5	18.5	19.2	24.7	25.8	18.8	17.9	17.5	22.2
080023 Kerang	22.7	+0.3	20.9	22.2	19.5	17.0	19.9	25.2	18.3	23.4	29.3	18.4	17.1	20.6	23.6	18.2	19.5	18.9	21.7	25.2	20.9	26.4	28.6	31.9	23.4	20.1	20.6	25.3	31.3	33.0	20.3	20.1	24.2
081123 Bendigo Airport	19.6		16.1	20.2	16.6	14.6	17.7	21.2	16.6	19.4	23.9	17.2	15.0	19.2	18.5	17.1	17.6	17.2	18.0	21.9	18.4	23.2	23.9										



## Daily and mean minimum temperatures for October 2021

	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																																		
048027 Cobar MO	11.7	-0.7	9.9	11.0	10.1	11.8	7.8	7.7	14.5	6.9	15.2	18.3	10.7	9.0	10.0	9.0	9.5	8.7	6.6	13.6	13.5	8.3	15.0	14.1	18.0	11.2	10.5	8.4	12.4	20.5	21.5	11.4	8.8	
048245 Bourke Airport AWS	13.4		12.6	11.8	11.5	16.2	9.6	8.6	15.0	11.7	16.4	22.7	13.1	9.8	12.0	12.7	13.4	8.6	7.1	11.6	13.1	11.9	15.4	15.3	20.2	16.4	12.1	10.8	10.4	18.5	22.1	14.2	10.2	
049000 Ivanhoe Aerodrome AWS	10.4		11.6	11.6	9.9	8.4	8.3	7.5	12.8	7.0	9.6	13.8	6.8	4.9	10.2	8.4	10.0	8.9	6.5	10.8	11.3	7.2	17.0	15.0	19.5	9.0	7.4	8.0	10.7	19.8	15.8	7.6	6.3	
050052 Condobolin Ag Research Stn	7.3	-2.1	8.9	12.0	7.7	11.5	5.8	1.2	11.1	2.0	4.1	12.5	7.9	9.7	7.4	11.4	7.5	7.0	3.6	4.0	9.8	4.5	6.7	8.0	11.0	7.0	3.5	1.5	4.2	11.2	16.6	5.8	1.4	
052088 Walgett Airport AWS	10.1		11.9	13.9	7.5	14.0	6.0	2.7	7.3	7.3	14.2	15.7	14.8	11.0	11.8	10.7	10.2	6.9	3.9	12.4	9.4	7.0	9.1	8.8	15.4	13.0	5.9	4.6	10.8	14.8	17.1	12.2	3.0	
053115 Moree Aero	12.4		14.7	13.0	9.4	14.3	8.3	5.1	8.1	10.3	13.5	18.1	16.1	14.8	14.8	16.5	12.4	7.3	7.2	12.1	11.4	9.7	9.8	13.5	17.0	14.8	14.2	7.8	11.5	16.4	19.1	16.2	5.9	
054038 Narrabri Airport AWS	10.9		14.7	13.3	7.0	15.3	5.9	5.8	6.5	10.7	8.9	16.2	15.5	12.9	13.0	15.3	10.0	6.6	5.3	9.1	10.3	11.8	10.8	9.9	12.6	13.1	11.8	5.7	6.0	11.4	19.1	15.5	7.7	
055325 Tamworth Airport AWS	8.7		11.4	10.7	7.7	10.1	3.8	0.5	2.2	8.1	7.5	10.7	14.7	11.7	11.9	14.2	12.4	5.9	3.9	7.4	5.5	6.7	8.5	10.7	10.6	13.6	4.1	3.0	7.6	7.6	15.4	14.5	8.5	
056242 Inverell (Raglan St)	8.4		10.4	5.4	4.4	8.1	2.4	1.2	1.1	5.6	6.6	10.4	14.6	12.8	9.3	13.3	14.8	3.1	1.9	7.2	6.4	5.9	11.3	10.4	10.6	14.4	9.3	2.6	8.8	9.9	16.0	15.3	6.4	
057095 Tabulam (Muirie)	13.3		11.3	9.8	11.2	14.6	15.2	11.1	10.4	12.6	14.5	14.8	17.8	11.4	11.8	13.1	14.9	11.4	10.4	12.4	9.3	10.8	10.4	12.2	14.1	17.8	15.6	14.8	15.1	15.2	19.2	16.8	11.4	
058012 Yamba Pilot Station	16.7	+1.4	16.9	13.5	15.4	16.0	15.9	13.2	12.2	17.4	16.6	17.7	18.9	14.8	15.7	18.0	19.0	14.4	13.5	15.7	15.2	14.9	15.0	16.3	19.5	19.7	18.4	17.5	18.8	19.7	20.0	20.9	16.0	
060139 Port Macquarie Airport AWS (Comparison)	12.6		15.2	10.2	8.7	12.7	5.5	4.5	7.0	14.9	11.8	14.7	17.2	13.5	14.7	16.5	17.3	6.2	6.6	9.2	10.5	14.6	11.9	11.3	12.3	15.7	12.4	14.7	11.8	19.0	16.8	19.0	13.2	
061078 Williamtown RAAF	12.6	+0.6	12.9	10.9	14.6	14.4	10.6	10.3	7.9	15.8	10.6	14.4	12.9	12.6	13.7	16.1	14.3	12.5	10.9	10.0	11.5	10.6	11.7	12.1	12.7	16.1	11.5	12.2	11.5	13.8	14.6	14.3	12.8	
061363 Scone Airport AWS	9.5		11.1	9.4	13.3	10.1	9.2	4.2	5.0	10.9	6.1	11.6	15.5	11.1	12.1	10.6	8.4	9.1	5.2	6.4	5.6	8.5	5.8	12.2	11.2	15.3	8.8	8.6	9.1	8.6	11.9	8.2	10.2	
062101 Mudgee Airport AWS	6.2		8.0	8.2	8.7	6.9	8.0	0.5	4.6	5.6	2.9	8.5	13.1	9.5	9.6	9.5	6.2	6.7	1.4	2.9	4.9	4.8	5.7	8.2	8.1	8.0	1.4	1.8	4.8	6.0	10.2	5.0	1.8	
063005 Bathurst Agricultural Station	5.1	-0.9	7.1	8.0	10.0	7.2	6.7	-0.5	2.8	1.8	2.0	8.0	8.0	7.4	7.5	8.9	6.5	6.5	2.5	1.0	5.3	3.2	4.5	6.5	6.9	8.5	0.5	3.0	5.0			-1.0		
063254 Orange Agricultural Institute			7.4			5.6	1.9	6.1	2.1			5.3	6.1	6.0	9.7	4.7					2.7	7.5	2.9	5.3	6.6		2.0	1.4	4.5	7.7	14.5			
064008 Coonabarabran (Showgrounds)	6.9	-1.3	9.5	8.2	5.5	7.5	6.4	0.7	4.0	6.0	5.2	11.6	13.0	10.5	11.0	8.0	5.5	6.4	2.9	4.9	5.3	4.0	6.0	7.5	9.1	10.8	3.0	0.8	3.1	7.0	16.5	8.5	5.5	
065070 Dubbo Airport AWS	8.0		9.1	8.8	7.0	8.4	5.3	1.1	6.2	4.8	6.3	14.9	11.0	10.0	13.1	8.0	6.2	3.5	5.8	7.2	4.7	7.6	11.8	13.7	11.8	3.8	3.5	8.0	10.2	15.0	7.3	4.0		
066214 Sydney (Observatory Hill)	13.9		14.8	11.9	12.9	15.0	12.8	11.5	12.7	15.8	13.4	16.2	10.3	10.9	13.7	14.4	13.1	12.6	12.5	12.3	14.3	11.9	13.4	15.3	16.1	16.5	13.3	12.7	16.0	16.3	20.1	16.0	11.8	
067105 Richmond RAAF	10.1		12.4	7.3	9.2	11.6	12.0	4.0	6.5	12.7	7.7	11.5	9.6	10.7	11.7	12.0	12.7	9.9	5.9	7.8	9.7	7.9	8.4	10.9	12.0	15.3	7.7	9.5	12.7	11.2	14.7	9.9	6.5	
068072 Nowra RAN Air Station AWS	11.3		11.0	11.8	10.5	14.4	11.9	10.7	8.2	9.5	9.3	13.5	7.3	10.5	10.6	14.1	11.5	11.3	8.6	9.5	13.4	12.1	13.2	11.8	11.8	14.3	9.5	11.7	9.4	12.3	15.3	11.3	8.5	
068151 Jarvis Bay (Point Perpendicular)	13.4		13.2	13.7	11.9	15.2	13.4	11.8	13.2	13.1	14.2	16.2	8.6	11.9	12.9	14.2	13.5	12.3	11.3	12.4	15.2	12.1	15.9	14.9	14.5	14.8	12.5	13.9	13.0	14.2	18.3	13.6	10.9	
068241 Albion Park (Shellharbour Airport)	11.7		12.5	9.4	9.9	14.2	13.5	12.4	7.7	12.0	9.5	12.9	9.5	10.7	11.6	14.4	12.3	13.0	12.3	9.7	12.0	11.6	11.7	15.2	11.6	15.5	8.9	10.9	13.9	11.4	14.6	11.2	6.6	
069018 Moruya Heads Pilot Station	11.2	+0.4	12.1	10.6	10.5	13.3	10.6	8.5	11.8	11.9	10.3	11.8	7.9	9.7	11.5	11.4	11.7	9.6	8.3	8.5	11.9	11.2	13.4	13.2	13.0	12.6	9.8	8.6	13.5	14.3	16.0	9.6	8.7	
070351 Canberra Airport	5.5		6.5	9.1	8.0	7.1	5.3	1.6	4.4	1.5	0.9	6.8	5.0	7.3	8.6	9.2	5.7	8.0	0.3	2.2	6.8	7.6	7.4	12.5	7.2	4.4	3.3	1.0	7.0	4.5	10.1	0.6	1.3	
071041 Thredbo Village						0.5					1.0	7.0	-2.0	1.0	2.0	4.0			0.5	-0.8	-0.4	0.5			0.0	3.0	3.5	1.0	-2.0	-3.0	4.0	-1.0	-3.5	-5.0
072150 Wagga Wagga AMD	7.3	-0.3	8.9	12.6	8.0	10.6	8.2	1.4	8.6	1.5	6.5	11.0	4.8	8.1	10.0	8.6	7.8	9.1	3.4	5.8	8.2	4.9	7.5	12.1	13.4	6.2	2.0	1.6	5.0	11.8	14.6	3.6	0.9	
072160 Albury Airport AWS	7.9		10.0	10.2	8.8	10.3	8.3	3.5	8.1	3.9	6.4	11.4	4.6	9.2	11.1	6.8	8.5	9.6	4.7	6.0	8.0	6.1	9.3	10.4	14.6	7.2	4.2	5.8	6.6	10.3	14.1	2.7	4.1	
072161 Cabramurra SMHEA AWS	3.0		4.1	4.1	5.2	5.4	-0.1	-0.2	3.8	1.3	3.8	6.9	-1.2	-0.4	2.0	4.1	0.9	0.0	-0.3	2.5	3.3	1.5	4.8	7.1	10.1	2.3	1.0	0.5	4.8	8.7	6.4	-1.5	1.1	
074258 Deniliquin Airport AWS	7.4		9.8	10.7	7.4	7.9	8.0	4.9	8.8	4.2	9.4	10.2	3.2	4.8	9.9	6.1	9.1	8.3	3.9	8.2	3.9	5.2	14.9	11.3	14.2	4.7	1.9	2.0	6.2	12.3	12.8	1.3	2.5	
Victoria																																		
076031 Mildura Airport	9.2	-0.7	12.4	12.0	11.6	10.1	7.7	6.7	7.8	6.2	6.0	10.4	4.8	3.9	11.7	5.5	7.1	11.3	6.3	11.8	7.9	8.8	15.9	13.4	12.7	7.1	6.1	7.1	10.6	18.7	12.2	6.4	6.3	
078015 Nhill Aerodrome	6.6		12.2	11.9	8.8	8.3	6.2	5.1	4.2	3.6	5.8	4.3	1.0	2.4	9.0	4.0	4.9	8.4	4.4	7.0	3.8	6.6	12.3	10.5	10.4	4.4	2.5	4.3	9.5	11.9	9.5	3.1	2.9	
080023 Kerang	8.1	-1.0	12.6	11.7	9.2	7.9	8.5	5.2	7.4	4.5	9.3	10.2	4.2	3.4	9.9	6.0	8.6	8.5	6.0	9.6	5.0	6.7	13.2	11.8	11.9	6.3	5.1	4.2	8.4	15.3	12.4	3.8	4.7	
081123 Bendigo Airport	6.6		11.3	8.5	6.2	7.8	7.5	2.3	6.8	2.3	5.2	8.9	1.4	5.0	11.2	6.7	5.1	9.5	2.0	5.7	2.9	7.2	13.9	10.7	11.4	6.3	5.6	2.4	6.0	10.8	11.1	2.2	1.8	
082039 Rutherglen Research	5.1	-1.0	10.2	6.7	4.9	8.4	6.1	0.6	10.0	0.2	4.4	10.4	1.0	4.3	8.7	2.6	5.7	9.5	1.1	2.7	5.4	2.1	7.0	6.3	13.6	3.7	1.0	0.5	1.3	7.0	13.1	0.4	-1.1	
083085 Mount Hotham	-0.1		2.0	1.5	2.8	1.0	-3.3	-2.8	-0.3	-0.1	1.1	3.5	-5.5	-3.8																				



## Daily and total rainfall for October 2021

	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	15.4	36	0.2	-	-	-	-	-	-	0.4	-	-	5.6	6.6	0.2	0.4	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
048245 Bourke Airport AWS	5.8	-	-	-	-	-	-	-	-	-	-	-	3.0	2.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
049000 Ivanhoe Aerodrome AWS	9.6	2.8	1.8	0.2	-	-	-	-	-	-	-	0.2	0.4	-	0.6	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	
050052 Condobolin Ag Research Stn	41.1	54	15.2	4.8	2.6	-	-	-	-	-	-	-	1.0	7.2	0.4	4.4	0.7	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
052088 Walgett Airport AWS	20.4	-	-	-	-	-	-	-	-	-	-	-	12.2	1.0	4.2	0.2	-	1.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	0.2	
053115 Moree Aero	23.0	1.8	-	-	-	-	-	-	-	-	-	-	7.2	0.2	2.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	6.6	
054038 Narrabri Airport AWS	47.0	0.6	-	-	-	-	-	-	-	-	-	-	18.8	0.4	10.6	-	-	2.4	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	10.8	0.2
055325 Tamworth Airport AWS	52.0	5.2	0.2	0.8	-	-	-	-	-	-	-	-	26.4	3.8	10.4	0.6	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	1.0	
056242 Inverell (Raglan St)	71.2	11.6	4.8	-	-	-	-	-	-	-	-	-	8.2	18.6	7.8	1.0	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	11.8	
057095 Tabulam (Muirie)	180.6	18.2	28.0	-	-	-	-	-	-	-	-	-	25.4	20.8	4.8	7.0	-	-	-	-	32.8	0.4	16.2	0.6	-	6.0	4.8	3.0	0.6	-	-	-	-	-	-	-	9.8	2.2	
058012 Yamba Pilot Station	190.4	91	4.6	7.0	-	-	-	-	-	-	-	-	49.0	64.8	2.4	0.6	-	-	-	-	6.6	-	19.0	18.4	0.2	0.4	1.2	-	-	-	-	-	-	-	-	-	10.4	0.4	5.4
060139 Port Macquarie Airport AWS (Comparison)	106.8	0.8	4.2	0.2	-	-	-	-	-	-	-	-	14.0	27.6	28.4	0.6	1.6	-	-	-	-	-	-	3.4	-	15.6	-	-	-	-	-	-	-	-	-	-	0.4	10.0	
061078 Williamtown RAAF	74.4	83	-	5.4	-	-	-	-	-	-	-	-	23.6	10.2	19.8	1.2	3.0	0.2	-	-	-	-	3.4	0.2	0.2	-	5.4	0.2	-	-	-	-	-	-	-	-	-	1.6	
061363 Scone Airport AWS	69.6	10.4	5.6	1.6	-	-	-	-	-	-	-	-	24.8	2.8	12.4	3.2	-	2.4	-	-	-	-	-	-	-	6.4	-	-	-	-	-	-	-	-	-	-	-	-	
062101 Mudgee Airport AWS	43.0	3.8	3.8	1.6	0.2	-	-	-	-	-	-	-	1.6	1.6	15.2	0.4	1.0	11.6	0.2	-	-	-	-	-	-	1.8	0.2	-	-	-	-	-	-	-	-	-	-	-	
063005 Bathurst Agricultural Station	69.0	62	3.4	5.8	6.4	-	0.8	0.2	-	-	-	-	9.6	6.0	1.8	18.2	5.2	6.6	1.2	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-	-	-	-	-	-	
063254 Orange Agricultural Institute	55.6	89	9.6	»	»	»	8.8	0.2	-	-	-	-	»	11.8	12.2	-	2.2	5.0	»	»	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
064008 Coonabarabran (Showgrounds)	85.7	73	9.5	-	-	-	-	-	-	-	-	-	25.0	8.0	39.0	0.2	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	
065070 Dubbo Airport AWS	35.4	-	-	0.6	-	-	-	-	-	-	-	-	2.0	22.6	0.4	-	0.8	9.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
066214 Sydney (Observatory Hill)	54.6	-	3.2	7.0	-	-	-	-	-	-	-	-	14.4	2.0	3.2	8.2	10.0	0.8	-	-	-	-	-	-	-	3.6	2.2	-	-	-	-	-	-	-	-	-	-	-	
067105 Richmond RAAF	32.6	0.6	7.8	0.2	0.2	-	-	-	-	-	-	-	9.4	1.8	6.2	3.6	2.6	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
068072 Nowra RAN Air Station AWS	73.0	1.8	7.4	17.0	0.2	-	-	-	-	-	-	-	0.4	0.4	0.2	0.4	3.6	0.8	-	-	-	-	3.8	11.6	21.0	-	3.6	0.4	-	-	-	-	-	-	-	-	-	-	-
068151 Jarvis Bay (Point Perpendicular)	96.6	7.4	0.8	6.4	0.2	-	-	-	-	-	-	-	34	10.0	0.4	-	10.8	1.4	1.0	21.4	-	0.2	19.2	2.6	-	5.2	4.6	0.2	-	0.2	-	-	-	-	-	-	-	1.2	-
068241 Albion Park (Shellharbour Airport)	59.2	10.8	4.4	6.0	-	-	-	-	-	-	-	-	7.0	4.8	4.8	-	4.4	0.8	-	-	-	-	3.0	0.4	0.6	-	12.2	-	-	-	-	-	-	-	-	-	-	-	
069018 Moruya Heads Pilot Station	76.5	95	2.9	6.8	2.0	-	-	-	-	-	-	-	4.6	3.0	4.4	10.2	9.6	4.2	-	-	-	3.6	18.0	5.2	-	0.8	1.2	-	-	-	-	-	-	-	-	-	-	-	
070351 Canberra Airport	56.8	14.0	0.4	5.6	0.6	1.6	-	-	-	-	-	-	1.2	0.2	27.2	3.6	1.8	0.2	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
071041 Thredbo Village	119.1	»	»	»	»	23.4	-	-	-	-	-	-	6.8	11.4	3.0	0.6	24.6	»	»	2.6	20.3	»	0.7	-	-	3.0	0.2	-	-	-	-	-	-	-	-	-	0.4	0.1	
072150 Wagga Wagga AMD	44.2	58	7.8	19.4	-	2.2	-	-	-	-	-	-	-	-	5.0	3.8	5.6	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
072160 Albury Airport AWS	32.0	5.8	5.6	-	-	2.8	-	-	-	-	-	-	-	-	8.2	0.2	3.6	0.2	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
072161 Cabramurra SMHEA AWS	190.4	27.0	5.6	1.4	3.4	22.2	8.8	-	-	-	-	-	11.8	-	20.0	9.6	49.6	17.0	-	-	10.8	1.0	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
073054 Wyalong Post Office	41.2	51	11.0	2.0	-	-	-	-	-	-	-	-	-	-	11.2	10.8	5.6	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	
074258 Deniliquin Airport AWS	80.2	7.2	36.2	-	2.0	1.8	-	-	-	-	-	-	2.0	0.2	-	9.6	20.8	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	0.2	-	
Victoria																																							
076031 Mildura Airport	15.2	28	0.6	0.2	1.8	-	0.4	-	-	-	-	-	4.2	-	-	-	6.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	-	
077008 Birchip (Woodlands)	42.2	39	11.8	1.4	-	7.8	1.0	-	-	-	-	-	-	-	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	-	
078015 Nhill Aerodrome	57.0	17.8	-	2.0	5.4	1.8	-	0.2	-	-	-	-	-	-	5.0	14.8	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.2	-	
079082 Horsham	42.0	46	8.2	»	»	12.2	4.8	-	-	-	-	-	-	-	6.8	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	
080023 Kerang	22.4	41	3.6	0.4	-	2.2	0.4	-	-	-	-	-	1.4	-	-	8.0	3.2	0.2	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	1.2	1.4	-	
081123 Bendigo Airport	70.6	14.4	6.8	8.0	12.6	1.8	0.2	-	-	-	-	-	0.4	-	-	19.2	0.2	1.2	0.2	-	-	-	-	-	1.4	0.2	-	-	-	-	-	-	-	-	-	4.0	-		
082039 Rutherglen Research	37.8	61	6.2	4.8	0.2	4.6	2.4	-	-	-	-	-	0.2	-	-	8.0	4.8	3.2	-	-	-	-	-	-	0.4	0.6	-	-	-	-	-	-	-	-	-	2.2	0.2	-	
083085 Mount Hotham	128.8	31.4	0.2	8.4	13.4	7.8	4.2	-	-	-	-	4.0	5.2	-	13.8	17.0	17.0	-	-	-	3.2	0.4	-	-	2.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	
084016 Gabo Island Lighthouse	55.4	71	4.6	0.2	-	2.2	2.2	-	-	-	-	-	0.8	-	17.8	0.2	2.6	6.0	-	-	4.6	0.8	6.4	-	4.0	-	1.4	-	-	-	-	-	-	-	-	1.2	0.4	-	
084145 Orbost	100.0	8.4	0.4	0.6	4.2																																		