



Australian Government
Bureau of Meteorology

Monthly Weather Review Australia July 2020



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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Product code IDCKGC17R1. Prepared on 25 November 2020

Cover photograph

After sunset at Rockhampton Downs, Barkley Highway.

Photograph by Gavin Heatherington-Tait, 19 July 2008. Used with permission.

Overview

- Daytime temperatures during July were warmer than average for most of the country; the maximum temperature was the seventh-highest on record for July for Australia as a whole.
- Mean minimum temperatures were above average for much of Western Australia, the country's eastern seaboard, and areas in Queensland's west and the Cape York Peninsula coast.
- However, minimum temperatures for the month were cooler than average along a band from the northern Kimberley extending south-east through Central Australia down to western Victoria and New South Wales.
- July rainfall was well below average for Australia as a whole.
- Rainfall was below average for most of the southern half of country, although areas of eastern Victoria, and central and coastal New South Wales, and southeast coast and south inland Queensland had above average rainfall.

Areal averages in July 2020

	Rainfall anomaly	Mean maximum temperature anomaly	Mean minimum temperature anomaly	Mean temperature anomaly
Australia	-42%	+1.54 °C 7th-highest	+0.43 °C	+0.99 °C
Western Australia	-56%	+2.52 °C 2nd-highest	+0.55 °C	+1.54 °C 3rd-highest
Northern Territory	-89%	+0.89 °C	+0.03 °C	+0.46 °C
South Australia	-67% equal 9th-lowest	+1.41 °C	-1.01 °C	+0.20 °C
Queensland	-45%	+1.13 °C	+1.26 °C	+1.19 °C
New South Wales	+11%	+0.96 °C	+0.92 °C	+0.94 °C
Victoria	-34%	+0.50 °C	+0.04 °C	+0.27 °C
Tasmania	-59% 2nd-lowest	+0.51 °C	-0.45 °C	+0.03 °C

Extremes in July 2020

	Hottest day	Coldest night	Wettest day	Warmest overall	Coolest overall	Wettest overall	Strongest wind gust
Australia	36.2 °C at Noonamah Airstrip (NT) on the 11th	-9.1 °C at Liawenee (Tas.) on the 17th	223.6 mm at Sanctuary Point (Salinas Street) (NSW) on the 28th	27.1 °C at Cape Wessel (NT)	-1.0 °C at Thredbo AWS (NSW)	446.0 mm at Sanctuary Point (Salinas Street) (NSW)	128 km/h at Mount Buller (Vic.) on the 2nd
Western Australia	35.8 °C at Kalumburu on the 2nd	-3.5 °C at York on the 12th	63.0 mm at Warambie on the 19th	25.9 °C at Troughton Island	10.5 °C at Newdegate Research Station	248.8 mm at Witchcliffe	102 km/h at Busselton Jetty on the 13th
Northern Territory	36.2 °C at Noonamah Airstrip on the 11th	-4.0 °C at Arltunga on the 16th	11.6 mm at Hermannsburg on the 16th and 21st	27.1 °C at Cape Wessel	10.4 °C at Arltunga	23.2 mm at Hermannsburg	67 km/h at Centre Island on the 5th
South Australia	27.6 °C at Oodnadatta Airport on the 1st	-5.1 °C at Yunta Airstrip on the 8th	26.0 mm at Monarto Zoological Park on the 4th	12.7 °C at Moomba Airport and Streaky Bay	7.8 °C at Mount Lofty	64.2 mm at Ashton Co-op	91 km/h at Naracoorte Aerodrome on the 1st
Queensland	34.3 °C at Palmerville on the 27th	-3.5 °C at Injune Post Office on the 18th	154.0 mm at Coomera Foxwell Road on the 27th	26.5 °C at Horn Island	8.9 °C at Applethorpe	221.3 mm at Rocky Point Sugar Mill	83 km/h at Cape Moreton Lighthouse on the 9th
New South Wales	26.6 °C at Wanaaring Post Office on the 1st	-8.0 °C at Armidale (Tree Group Nursery) on the 21st	223.6 mm at Sanctuary Point (Salinas Street) on the 28th	15.9 °C at Byron Bay (Cape Byron AWS)	-1.0 °C at Thredbo AWS	446.0 mm at Sanctuary Point (Salinas Street)	122 km/h at Thredbo AWS on the 1st and 2nd
Victoria	21.7 °C at Mildura Airport on the 1st	-5.8 °C at Falls Creek on the 4th	122.0 mm at Weeragua (Cann River (East Branch) at Ch on the 28th	11.9 °C at Gabo Island Lighthouse	0.3 °C at Falls Creek	314.4 mm at Weeragua (Cann River (East Branch)	128 km/h at Mount Buller on the 2nd
Tasmania	17.2 °C at Devonport Airport on the 5th	-9.1 °C at Liawenee on the 17th	50.2 mm at Mount Read on the 5th	11.0 °C at Hogan Island	1.4 °C at kunanyi (Mount Wellington Pinnacle)	253.4 mm at Lake Margaret Dam	117 km/h at Hogan Island on the 20th

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.

Snow, frost and hail in Victoria

10 cm to 25 cm of snow fell in the Victorian Alps at the beginning of the month during the passage of cold fronts and cold south-westerly winds. Frost and fog were observed across much of western and central Victoria on the 16th and 17th. Showers of small hail were reported across parts of Melbourne and Gippsland, following the passage of a cold front on the 19th.

Thunderstorm and hail in New South Wales

Thunderstorms with small hail were reported across parts of western Sydney and the Central coast on the 12th, following the passage of a cold front.

Snow, heavy rainfall, significant coastal erosion in New South Wales due to intense coastal lows

Two low pressure systems in the Tasman Sea during July brought heavy rain, isolated flash flooding and high seas along the state's coast. A trough off the coast deepened into a low pressure system on the 13th, that brought over 100 mm to the South Coast district over 13 to 14 July, with local flooding. From the 14th, the system created a powerful sea swell, with wave heights of 5 to 6 m, leading to significant coastal erosion and hazardous beach conditions, notably at Wamberal where residents were evacuated due to significant erosion.

Powerful waves persisted for several days, with peak waves exceeding 11.5 metres were recorded by the wave rider buoy offshore of Sydney. Wind gusts of 109 km/h (59 knots) were recorded at Wattamolla and 96 km/h at Norah Head. The low pressure system over 13 to 14 July brought snow to alpine regions, with ski resorts reporting falls of over 1 metre. However, subsequent rain has reduced the snow cover, with Snowy Hydro reporting no snow at Deep Creek or Three Mile Dam, while at Spencers Creek

the 70.2 cm of snow as of 29 July is the lowest since 2013 for this time of year. The second low formed off the Queensland coast in late July, before the deepening low moving south along the New South Wales coast from the 26th to 28th.

The second low was more intense than the first, with many sites in the Illawarra and South Coast districts recording their highest July daily rainfall on record. The highest daily total was 223.6 mm at Sanctuary Point on the 28th, which is the state's highest July daily total for 15 years since 2005 when Tweed Heads Golf Club recorded 230.8 mm on 1 July. Flash flooding was reported in several areas, including Newcastle and in the South Coast district. As a result of the two lows, the South Coast district received over 400% of its historical July average.

Strong winds and raised river level in the ACT

The intense coastal low in late July produced strong southerly winds in the ACT, with gusts to 76 km/h (41 knots) at Canberra Airport on the 27th. Widespread wind damage, mostly to trees, was reported across Canberra.

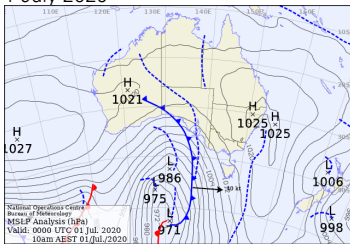
Heavy rains upstream caused rises in the Murrumbidgee River. Some low-level crossings were closed to traffic.

Strong winds and dust in south-west Western Australia

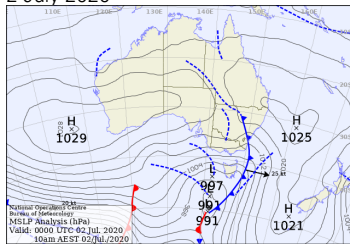
On the 27th, the passage of a moderate cold front produced strong winds and some damage in the South West Land Division (SWLD). Strong north-west winds ahead of the front caused blowing dust through eastern parts of the SWLD. Both Gnowangerup and Manjimup recorded an 83 km/h (45 knots) wind gust, and Cape Leeuwin recorded a gust of 96 km/h (52 knots). Damage was reported from Busselton where a group of six units lost its tin roof.

Synoptic analyses and summary

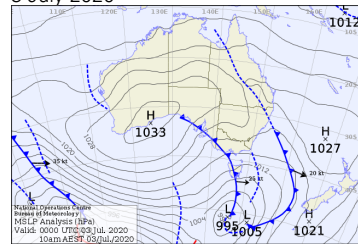
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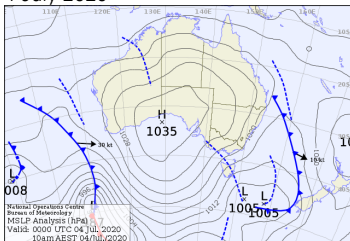
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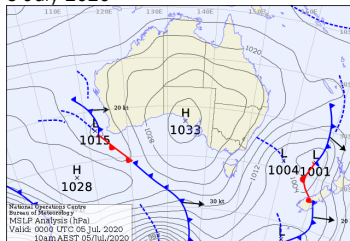
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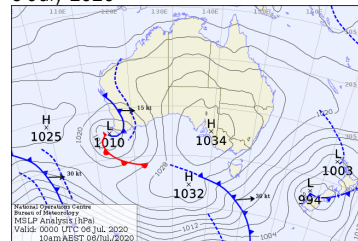
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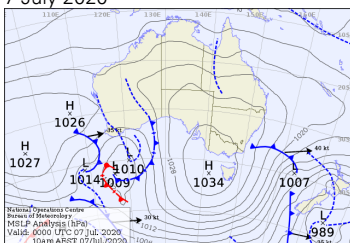
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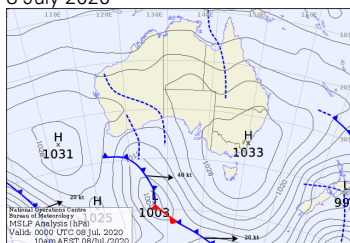
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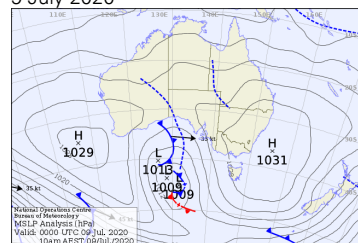
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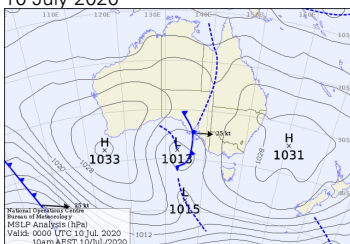
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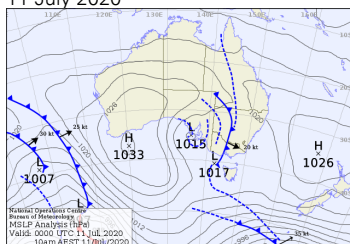
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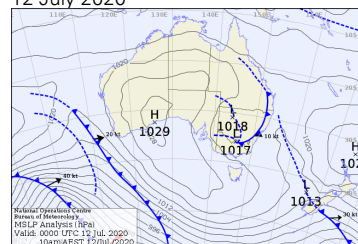
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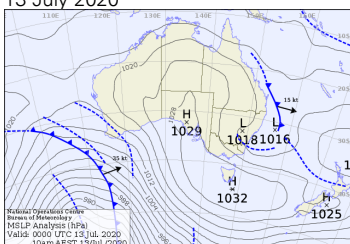
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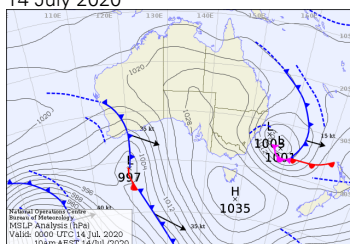
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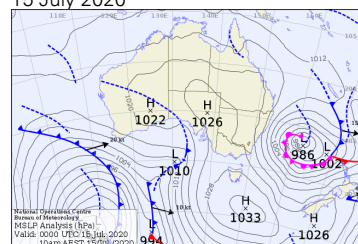
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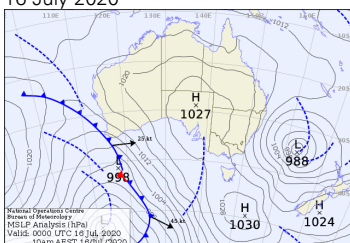
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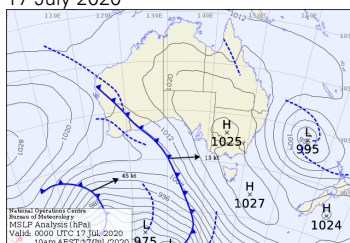
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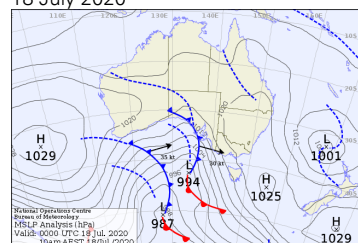
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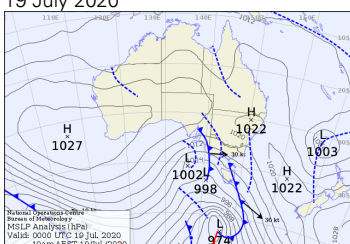
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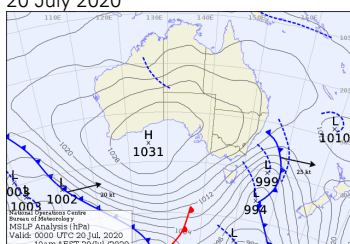
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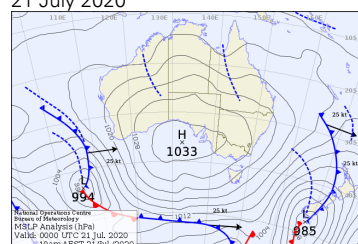
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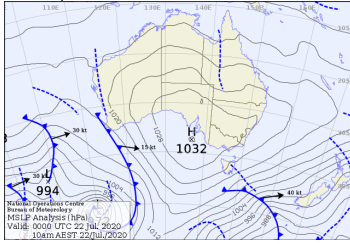
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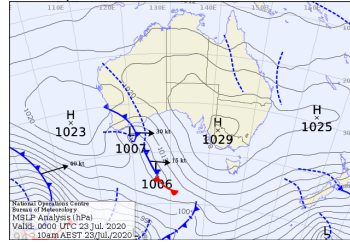
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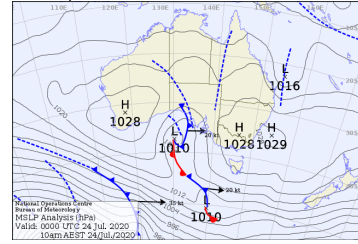
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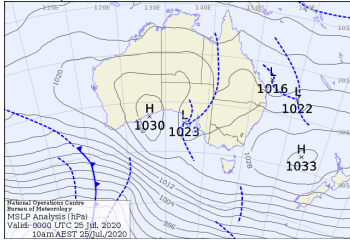
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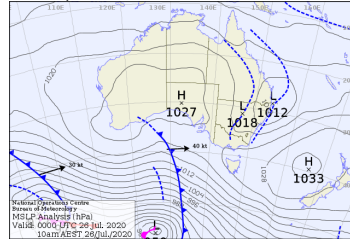
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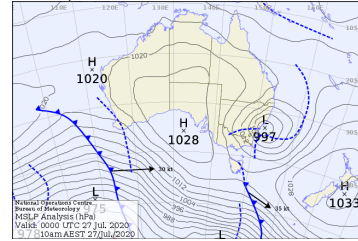
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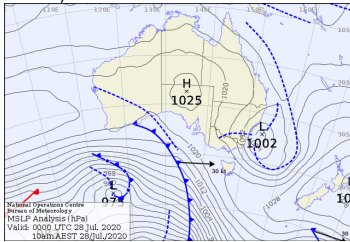
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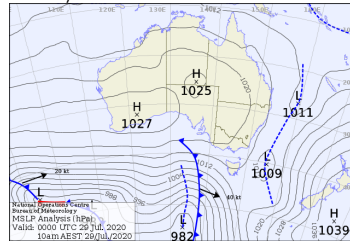
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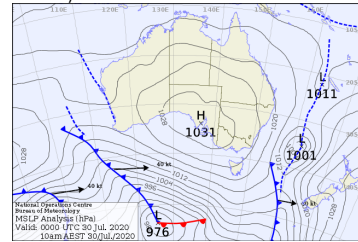
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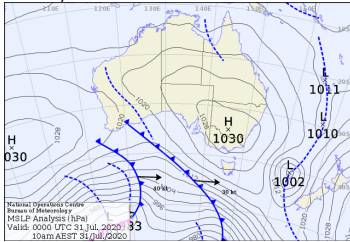
29 July 2020



30 July 2020



31 July 2020



Synoptic summary

At the beginning of the month, a high pressure system in the Tasman Sea extended a firm ridge up the east coast of Queensland. A number of cold fronts tracked across the south-eastern states, ahead of a high pressure system that moved across southern Western Australia into South Australia.

On the 5th, a pre-frontal trough and a cold front moved across the west of Western Australia and an associated low pressure system tracked across the state's far south-west. A number of cold fronts also tracked the state's south-west into the Australia Bight on 7th and 8th as the high pressure system moved through the south-eastern states. The cold front near the head of the Bight moved across South Australia on the 10th and onto New South Wales and Victoria, extending as far north as central Queensland by the 12th. A series of weak low pressure systems formed and moved across the south-eastern states in the wake of cold front.

A complex low pressure system deepened off the coast of New South Wales from the 13th, then

lingered for a couple of days before moving slowly eastwards to the central Tasman Sea by the 16th. In the meantime in the west, a number of cold fronts moved across the south-west Western Australia.

A strong cold front tracked across the west of Western Australia, with a pre-frontal trough and associated cloudband extending from the north-west to the south coast on the 16th. The systems moved across southern Western Australia and reached western South Australia by the 17th. A series of cold fronts embedded in a westerly air mass, tracked across the country's south-east, while associated low pressure systems moved across the Bass Strait and Tasmania until the 19th. In the west, a trough and associated cloudband extended from the Pilbara coast to central Western Australia.

A large high pressure system centred over the Great Australian Bight on the 20th moved slowly across the south-east. A surface and upper level trough combination over eastern Queensland, and a surface trough off the east coast of Queensland saw periods

of unsettled weather along Queensland's east coast on the 22nd and 23rd. In the meantime, a number of cold fronts tracked over the south-west Western Australia and southern South Australia.

Around the 25th, surface troughs extended over eastern Australia, and a low pressure system deepened off the east coast of New South Wales by

the 26th. The low pressure system moved away from the east coast by the 29th, and a high pressure system moved across southern Australia, and a number of cold fronts brushed the southern coastlines and Tasmania, with fine weather dominating much of the continent at the end of the month. .

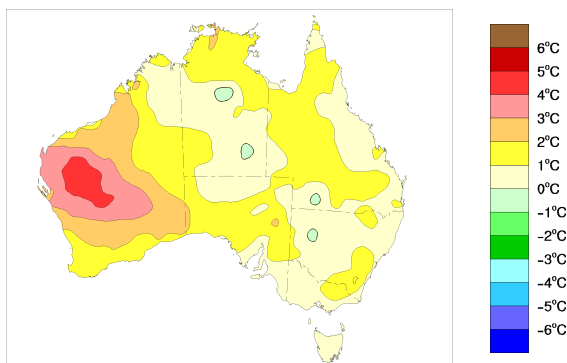
Temperatures

For Australia as a whole the national mean temperature was 0.99 °C warmer than average for July. Days were especially warm, with the mean maximum temperature for July the seventh-warmest on record at 1.54 °C above average. The mean minimum temperature was less intense, but still warmer than average nationally at +0.43 °C.

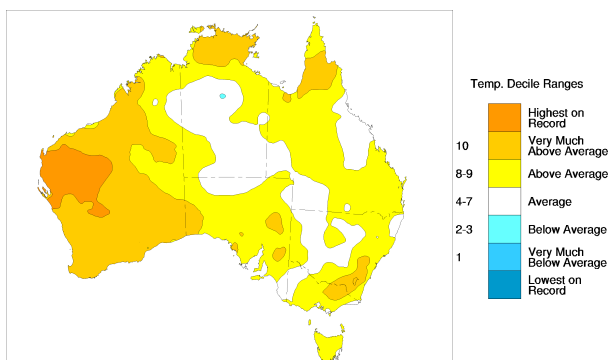
Maximum temperatures

Maximum temperatures for July were above or very much above average across most of Australia. Daytime temperatures were amongst the highest 10% of historical records (decile 10) for the majority of Western Australia; the Top End of the Northern Territory; across the centre of Queensland's Cape York Peninsula; and across the Alpine region in south-east Australia. The mean maximum temperature for July was the warmest on record for a large area of Western Australia, centred on the Gascoyne District.

Anomalies of mean daily maximum temperature in July 2020



Decile rank of mean daily maximum temperature in July 2020



At the start of the month, most of Australia experienced above average daytime temperatures, apart from the south-west and far south of Australia. Days became cooler than usual in the eastern parts and southern Northern Territory by the 4th, while maximum temperature remained above average over

much of the west. Overcast conditions kept days cool in north-west Victoria early in the month, with some sites observing a record-low daily maximum temperature for July on the 8th.

Warm days were common across much of Australia from the 9th, with the warmth retreating to the northern half of Australia by the 11th. The hottest day was at Noonamah Airstrip with 36.2 °C on the 11th

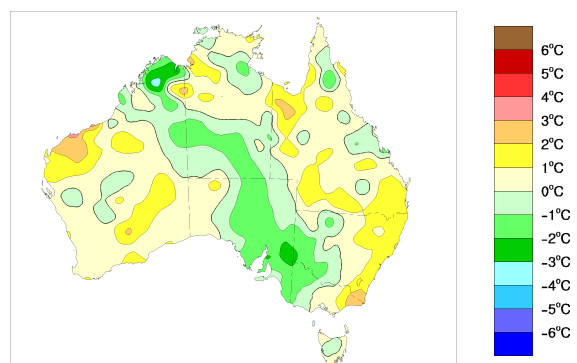
From the 13th, daytime temperatures were cooler than usual in the north-eastern half of Australia, while much of the Western Australia saw cooler than usual days from the 18th to the 19th, spreading to the central then eastern Australia by the 22nd.

From the 26th, very warm daytime temperatures were observed in the Gascoyne then expanded to the state's south on the 27th then the south-east on the 28th. The second warm spell followed the similar track at the end of month, with 8 to 12 degrees maximum temperature warm anomalies extended from the central to south-east. Several sites in the Gascoyne and the SWLD set their July record high temperature. Many coastal sites in the north-west and west of Western Australia had their warmest July on record in terms of maximum temperatures.

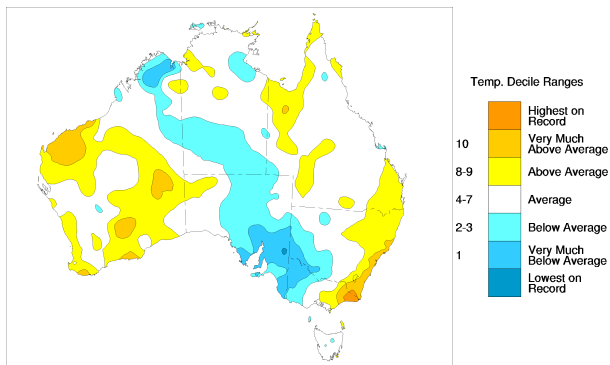
Minimum temperatures

The mean minimum temperature for the month was above average for much of Western Australia, around the Queensland's Gulf Country and northern half of the Cape York Peninsula coast, and along the east coast from The Wide Bay and Burnett District in Queensland to Port Phillip in Victoria.

Anomalies of mean daily minimum temperature in July 2020



Decile rank of mean daily minimum temperature in July 2020



However, minimum temperatures for the month were cooler than average along a band extending from the northern Kimberley, through the southern half of the Northern Territory and eastern two thirds of South Australia, to south-west New South Wales and western Victoria. As has happened in recent cool season periods, central and inland eastern Australia has seen clear skies and sunny days with reduced rainfall. Reduced cloud cover, low humidity, and low soil moisture leads to a large diurnal temperature range (the difference between daily maximum and minimum temperatures), with both warmer daytime temperatures and cooler nights.

Some sites in South Australia observed their lowest July temperature on record, while for the month as a

whole several sites in South Australia and Victoria had their lowest July mean daily minimum temperature on record or for at least 20 years.

At the start of the month, minimum temperatures were warmer than usual across the north and the east. A high pressure system dominated much of the continent, with clear skies allowing much cooler than average nights across much of the south and east.

Large areas of inland parts of eastern Australia experienced frosts around the 6th to 8th. Above average minimum temperatures returned to the eastern half of the Northern Territory, most of Queensland and New South Wales by the 10th.

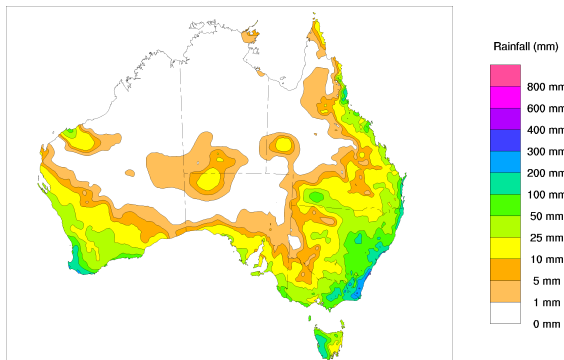
The passage of a cold front that extended north into Queensland on the 12th, saw much cooler than usual minimum temperatures across much of Australia from the 13th until the 19th, and particularly in the north and east. The coldest night was at Liawenee with -9.1 °C on the 17th.

Cold nights were experienced across southern south Australia, northern Victoria and south New South Wales from the 22nd to the 24th. Milder nights were experienced in the southeast Queensland and northeast New South Wales from the 26th then moved south along the eastern seaboard till the 29th. Cool nights were recorded across the north and eastern South Australia at the end of the month.

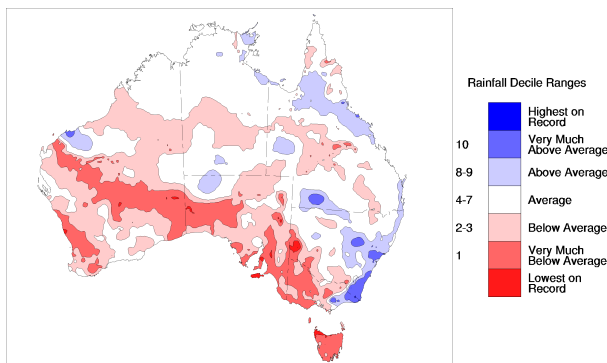
Rainfall

July rainfall was 43% below average for Australia as a whole.

Total rainfall in July 2020



Decile rank of total rainfall in July 2020



Rainfall was below average for most of the southern half of Western Australia, South Australia, the south-west and the south inland of the ranges of New South Wales, Victoria except Gippsland, and for Tasmania. For Tasmania, it was the second-driest July on record, while for South Australia rainfall was the sixth-lowest on record for the month.

July rainfall was above average for most of Gippsland in Victoria, along the coast of New South Wales, extending into coastal south-east Queensland and the Central West Slopes and Plains District in New South Wales. Two intense low pressure systems off the east coast of Australia brought periods of very heavy rain to the east coast.

At the start of the month, a moist onshore flow produced showers along exposed parts of the Queensland coast, with heavier falls recorded about the north tropical coast. In the west, a cold front and pre-frontal trough produced widespread light falls across much of the SWLD, and across much of the south-east as the cold front moved eastwards and tracked across southern and south-east Australia.

Another cold front tracked soon after across Tasmania with moderate falls in southern central to north-eastern Victoria and western Tasmania. A fast-moving

surface trough tracked north-east over Tasmania, with further moderate falls in western Tasmania and southern central Victoria, and light falls across much of southern Victoria.

On the 6th, a cold front and low pressure system tracked across south-west Western Australia, bringing strong gusty winds and moderate falls to parts of south-west Western Australia. The cold front and pre-frontal trough moved eastwards and brought light falls to south-east parts of the South West Land Division.

A cold front tracked across south-west Western Australia and brought light falls to south-west and southern coastal parts of the State. A high pressure system moved into the Tasman Sea and extended a firm ridge along the east coast. Moist onshore flow produced showers and moderate falls about the north-east coast of New South Wales, and in the northern tropical and south-east coasts of Queensland.

Another cold front tracked over southern and eastern South Australia into Victoria and New South Wales, with a pre-frontal trough stretching from Queensland to New South Wales. Multiple low pressure centres developed across the south-east States in the wake of the cold front. Widespread moderate falls were recorded over southern inland parts of Queensland, northern and central New South Wales, central and northern parts of Victoria and south-eastern South Australia.

A cold front and complex low pressure system crossed south-east Australia from the 11th, with the low deepening over the Tasman Sea during the 13th and 14th before moving away eastward on the 15th. Widespread rainfall resulted over Victoria, with heavy falls at Maffra and Murderers Hill in Gippsland leading to those sites observing their wettest July days on record on the 13th.

From the 15th, the deep low pressure system over the western Tasman Sea brought blustery winds, powerful waves, and moderate falls along parts of the New South Wales coast, with light falls across eastern Victoria.

A cold front and north-west cloudband tracked across western parts of Western Australia, with widespread moderate falls recorded from the far west Pilbara coast to the South-east Coastal District. In the west, south-westerly onshore winds in the wake of the cold front brought mostly light falls in the south of Western Australia, with locally moderate falls near the coast.

A mid-level cloudband extended from the Pilbara District to the State's interior and produced showers and thunderstorms, with moderate rainfall totals recorded. The mid-level cloudband moved from the north-west over Central Australia, bringing thunderstorms and showers, with light to moderate falls reported through the interior of Western Australia, northern South Australia and southern parts of the Northern Territory.

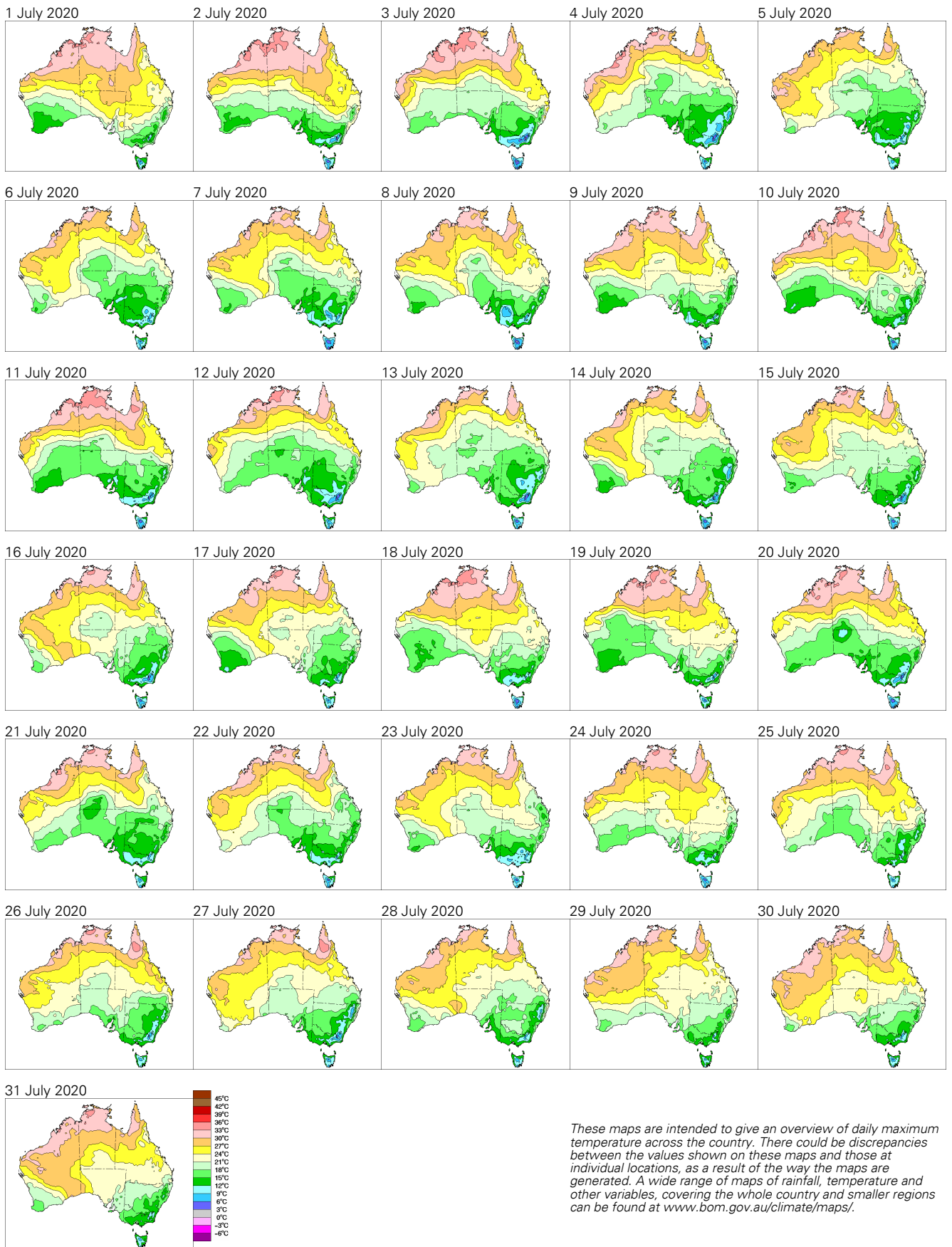
On the 22nd, a surface trough combined with an upper level trough over inland Queensland to produce widespread moderate falls in the state's east from the Burdekin to Wide Bay District coasts. In the west, a weak cold front and pre-frontal trough moved across south-west Western Australia, with moderate falls reported in the far south-west. The frontal system moved eastwards, producing light falls along parts of the southern coast of Western Australia and South Australia. A trough and low pressure system developed along the south-east Queensland and north-east New South Wales coast, and brought moist south-easterly flow and light to moderate falls onto south-east Queensland and north-eastern New South Wales. Another surface trough was situated over inland New South Wales, and produced moderate falls across large areas of central New South Wales.

The trough and the deepening low moved south along the New South Wales coast, and generated gusty winds and damaging surf conditions, and widespread moderate to heavy falls from the central to south coast of New South Wales and in East Gippsland in Victoria. Some areas also experienced coastal erosion. A large number of sites in New South Wales and a few in south-east Queensland had their highest July daily rainfall on record between the 26th and 28th. A large number of sites in New South Wales and a few sites in Queensland had their highest total July rainfall for at least 20 years. The wettest single day was at Sanctuary Point (Salinas Street) with 223.6 mm, followed by Bendalong STP with 208.2 mm, both on the 28th.

Further moderate to locally heavier falls were recorded before the system weakened and moved away from the New South Wales south coast. The low pressure system and surface trough slowly moved off the New South Wales coast, and widespread showers eased and contracted to the central to south-east coast of New South Wales, and light to moderate falls were recorded in parts of eastern Victoria. The wettest overall was also Sanctuary Point (Salinas Street) with 446.0 mm for the month of July.

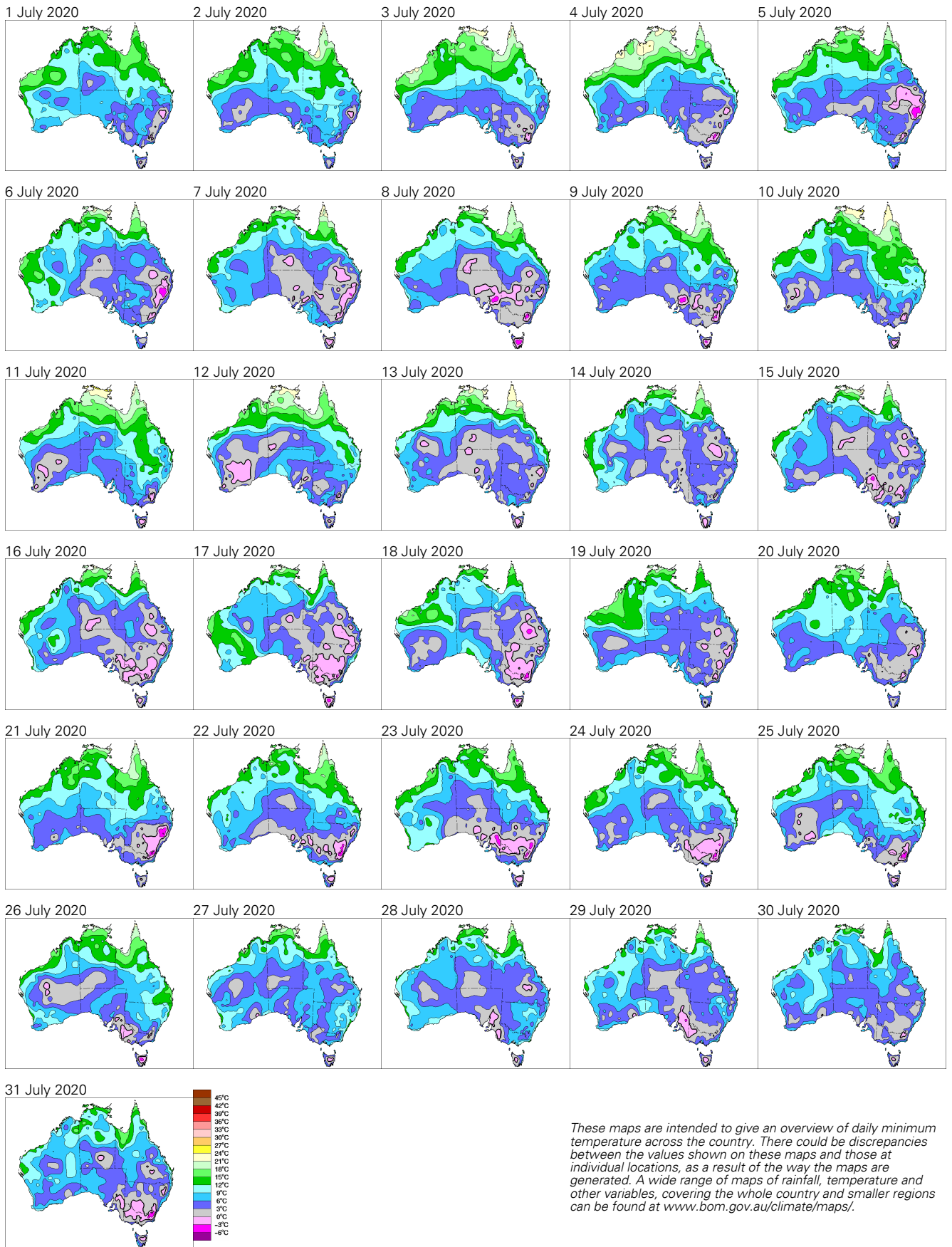
Daily maps

Daily maximum temperature maps



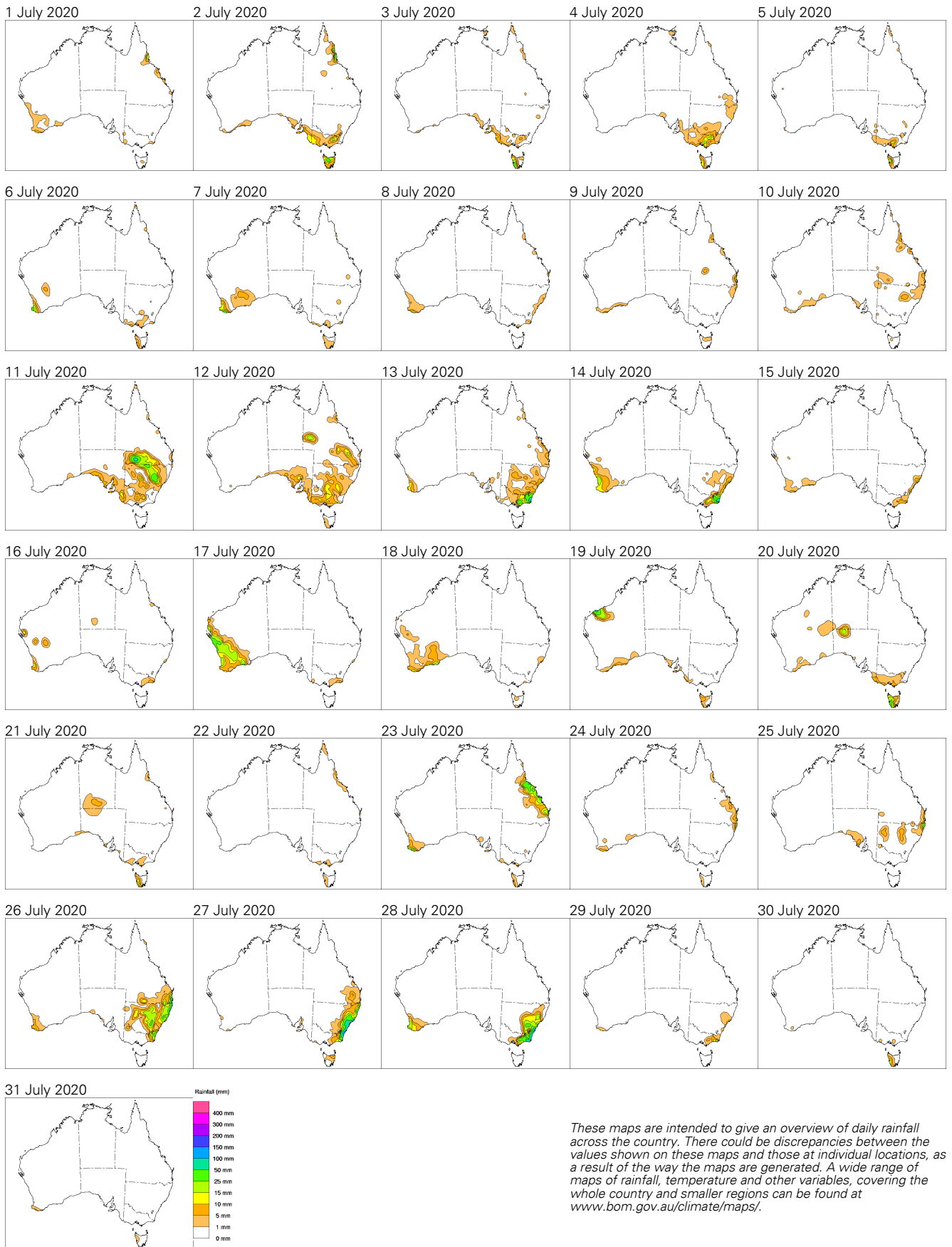
These maps are intended to give an overview of daily maximum temperature across the country. There could be discrepancies between the values shown on these maps and those at individual locations, as a result of the way the maps are generated. A wide range of maps of rainfall, temperature and other variables,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

Daily minimum temperature maps



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/.

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/.

Records

Record highest July daily maximum temperature				
	New record	Old record	Years of record	
Western Australia				
006011	Carnarvon Airport	32.5 on 3rd	30.9 on 30th in 2015	74
006044	Denham	29.0 on 4th =	29.0 on 6th in 2006	32
006099	Murchison	30.0 on 30th	29.8 on 29th in 2016	30
007139	Paynes Find	27.9 on 30th	27.5 on 29th in 2001	41
009500	Albany	23.3 on 22nd	22.8 on 21st in 1921	76
010568	Hyden	25.0 on 30th	24.5 on 18th in 2007	48
010614	Narrogin	23.0 on 27th	22.2 on 18th in 1976	100
010647	Wagin	22.7 on 27th =	22.7 on 19th in 1976	47
Northern Territory				
014015	Darwin Airport	35.0 on 11th	34.8 on 8th in 1998	80

= indicates the new record equals the old one.

Record highest July mean maximum temperature				
	New record	Old record	Years of record	
Western Australia				
005007	Learmonth Airport	27.3	26.5 in 2017	46
005008	Mardie	30.5	30.0 in 1994	65
005017	Onslow Airport	29.1	27.9 in 2017	55
006011	Carnarvon Airport	26.1	24.8 in 1977	74
006044	Denham	23.5	23.2 in 1992	32
006099	Murchison	23.8	23.4 in 2017	30
007045	Meekatharra Airport	23.4	22.4 in 1977	71
008095	Mullewa	21.5	21.4 in 1994	75
008251	Kalbarri	24.4	24.3 in 2007	46
009172	Jandakot Aero	19.1	19.0 in 2007	31
009518	Cape Leeuwin	18.0	17.9 in 2018	124
009519	Cape Naturaliste	18.3	18.0 in 2007	117
009538	Dwellingup	16.7	16.6 in 2012	83
009842	Jarraewood	17.5 =	17.5 in 2018	38
010614	Narrogin	16.3 =	16.3 in 1977	100
New South Wales				
063063	Oberon (Albion St)	11.0	10.7 in 1976	47
072043	Tumbarumba Post Office	13.0	12.6 in 2013	55
Tasmania				
094087	kunanyi (Mount Wellington Pinnacle)	4.0 =	4.0 in 2014	40

= indicates the new record equals the old one.

Highest July mean maximum temperature for at least 30 years

		Observed this month	Most recent higher
Western Australia			
009114	Lancelin	21.0	21.4 in 1977 *
009534	Donnybrook	18.1 =	18.1 in 1977 *
010515	Beverley	18.3	19.2 in 1977 *
010524	Brookton	17.4	18.1 in 1977 *
010647	Wagin	16.5	16.6 in 1977 *
* <i>note: there are gaps in the historical record at this site, so it is possible a higher value has gone unreported. = indicates the new record equals the old one.</i>			

Record lowest July daily maximum temperature

		New record	Old record	Years of record
Victoria				
076031	Mildura Airport	7.6 on 8th	7.9 on 11th in 1956	74
076047	Ouyen (Post Office)	7.2 on 8th	8.1 on 2nd in 1988	64

Record lowest July daily minimum temperature

		New record	Old record	Years of record
South Australia				
018069	Elliston	-0.2 on 8th =	-0.2 on 18th in 1965	59
023013	Parafield Airport	-2.8 on 28th	-1.9 on 28th in 2008	64
= indicates the new record equals the old one.				

Record lowest July mean minimum temperature

		New record	Old record	Years of record
South Australia				
022046	Edithburgh	4.9	5.9 in 1994	30
023013	Parafield Airport	3.4 =	3.4 in 1997	64
= indicates the new record equals the old one.				

Lowest July mean minimum temperature for at least 30 years

		Observed this month	Most recent lower
Victoria			
076047	Ouyen (Post Office)	2.6	1.0 in 1982
076064	Walpeup Research	3.0	2.6 in 1982 *
* <i>note: there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.</i>			

Record highest July daily minimum temperature			
	New record	Old record	Years of record
Western Australia			
007045	Meekatharra Airport	17.7 on 6th	17.1 on 21st in 2002 71

Record highest July mean minimum temperature			
	New record	Old record	Years of record
Western Australia			
009789	Esperance	9.4 = 9.4 in 1996	52
200284	Cocos Island Airport	25.1 = 25.1 in 2016	69
New South Wales			
070278	Cooma Visitors Centre	-0.3 -0.6 in 2016	45

= indicates the new record equals the old one.

Record highest July mean temperature			
	New record	Old record	Years of record
Western Australia			
005007	Learmonth Airport	19.8 19.6 in 1996	46
005008	Mardie	22.3 21.8 in 2019	64
005017	Onslow Airport	21.9 20.9 in 2019	55
006011	Carnarvon Airport	19.1 18.7 in 1949	74
007045	Meekatharra Airport	16.1 15.8 in 2007	71
009519	Cape Naturaliste	14.9 = 14.9 in 1992	117

= indicates the new record equals the old one.

Record lowest July mean temperature			
	New record	Old record	Years of record
South Australia			
022046	Edithburgh	10.0 = 10.0 in 1998	30

= indicates the new record equals the old one.

Record highest July daily rainfall			
	New record	Old record	Years of record
Western Australia			
006097	Useless Loop	49.4 on 17th	42.0 on 17th in 2016 36

Record highest July daily rainfall

	New record	Old record	Years of record
New South Wales			
051066 Eumungerie Post Office	68.4 on 11th	43.6 on 31st in 2010	77
061078 Williamtown RAAF	133.0 on 27th	72.9 on 19th in 1965	67
061092 Elderslie	64.0 on 27th	59.0 on 15th in 1999	75
061152 Congewai (Greenock)	101.0 on 27th	86.0 on 6th in 1988	62
061209 Putty Tea Rooms	56.2 on 27th	30.0 on 29th in 2010	32
061260 Cessnock Airport AWS	55.2 on 27th	55.0 on 15th in 1999	32
061295 Nulkaba (O'Connors Road)	73.0 on 27th	62.0 on 6th in 1988	50
061306 Kars Springs (Welldun)	43.4 on 27th	42.6 on 27th in 1984	38
061377 Swansea (Catherine St)	172.4 on 27th	100.0 on 6th in 1988	33
061394 Kulnura (Mangrove Creek Dam)	104.8 on 27th	89.0 on 15th in 1999	39
063229 Cowra (Billimari (Pine View))	35.2 on 26th	34.5 on 27th in 1996	32
064010 Elong Elong (Bendeela St)	57.6 on 11th	45.4 on 21st in 1998	84
066176 Audley (Royal National Park)	108.0 on 27th	90.0 on 22nd in 2011	37
067100 Castle Hill (Kathleen Ave)	105.0 on 27th	53.8 on 22nd in 2011	34
068080 Greenwell Point Bowling Club	129.0 on 27th	127.0 on 1st in 1976	59
068083 Culburra Treatment Works	160.6 on 28th	150.2 on 1st in 1976	56
068229 Bendalong STP	208.2 on 28th	118.9 on 16th in 1969	76
069017 Montague Island Lighthouse	75.2 on 13th	72.4 on 22nd in 1959	64
069023 Nelligen (Thule Road)	183.0 on 27th	138.4 on 27th in 1922	73
069042 Moruya (The Lagoon)	134.4 on 27th	125.4 on 6th in 1988	58
069134 Batemans Bay (Catalina Country Club)	164.0 on 27th	85.6 on 22nd in 2011	30
069142 Moruya (Kiora)	117.0 on 27th	104.0 on 10th in 1991	34
200839 Lord Howe Island Aero	80.6 on 27th	70.4 on 3rd in 2005	32

Record highest July total rainfall

		New record	Old record	Years of record
New South Wales				
061078	Williamstown RAAF	242.6	190.4 in 1997	73
061152	Congewai (Greenock)	182.0	152.0 in 1999	61
061201	Watagan Central	174.3	126.8 in 1962	56
061205	Yallambie (Mount Auban)	160.6	131.4 in 1999	62
061209	Putty Tea Rooms	114.4	68.9 in 1976	32
061377	Swansea (Catherine St)	316.2	251.6 in 2011	33
068080	Greenwell Point Bowling Club	300.4	195.0 in 2006	59
068083	Culburra Treatment Works	336.2	228.4 in 2006	55
068217	Barrengarry (The Old School House)	231.0	215.8 in 1999	35
068229	Bendalong STP	362.4	237.3 in 1950	77
069013	Candelo Post Office	278.0	276.0 in 1922	132
069015	Eden (Marine Rescue Eden)	224.5	220.5 in 1902	146
069018	Moruya Heads Pilot Station	270.2	259.5 in 1934	146
069019	Cathcart (Mount Darragh)	351.4	281.2 in 1961	95
069022	Narooma (Marine Rescue)	303.6	223.9 in 1934	96
069042	Moruya (The Lagoon)	247.8	236.6 in 1991	58
069052	Batemans Bay - Buckenbowra	282.3	224.7 in 1957	78
069065	Brogo (Hawks Head Road)	323.6	177.0 in 2001	55
069114	Brogo (Blanchards Road)	376.8	245.0 in 2001	41
069127	Araluen Lower (Araluen Rd)	255.0	251.6 in 1991	39
069134	Batemans Bay (Catalina Country Club)	176.6	132.5 in 2001	30
069142	Moruya (Kiora)	272.4	232.2 in 2001	34
070208	Craigie (Finchley)	216.0	165.6 in 1989	53
070217	Cooma Airport AWS	104.6	92.4 in 2005	33
070237	Nimmitabel (Cottesloe)	274.0	266.6 in 1991	48
200839	Lord Howe Island Aero	273.8	264.2 in 2015	32

Selected observations

Daily and mean maximum temperatures for July 2020

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
001019	Kalumburu	33.3		34.8	35.8	34.3	33.3	31.1	31.9	31.6	32.6	33.7	34.4	35.2	34.7	31.6	31.6	31.7	32.9	34.1	35.2	35.1	34.2	33.6	33.1	32.3	32.9	32.9	33.0
002056	Kununurra Aero	31.0		33.1	33.8	33.9	31.6	28.9	29.0	29.4	29.9	31.1	32.5	33.6	32.6	28.2	27.5	28.8	30.4	31.2	32.8	33.7	33.2	30.7	30.0	29.4	30.6	31.9	30.3
003003	Broome Airport	30.5	+1.7	32.2	32.1	32.0	33.5	29.3	30.1	29.7	29.3	31.1	32.2	30.5	30.2	31.3	30.4	28.1	29.0	30.4	28.0	29.0	29.6	31.8	30.9	29.1	28.8	29.7	29.9
003032	Derby Aero	31.8		33.4	33.6	33.9	34.1	30.8	30.5	30.6	31.3	30.5	33.7	33.0	32.4	32.2	31.8	29.8	30.0	31.0	32.2	31.9	31.4	33.8	32.4	30.5	30.6	31.6	31.1
004032	Port Hedland Airport	30.0	+2.9	31.0	33.2	33.6	33.2	31.8	29.5	30.1	30.4	31.5	32.8	30.6	28.2	29.6	29.3	27.9	27.3	28.6	28.1	28.2	28.8	29.0	29.9	28.2	29.3	29.6	29.8
004083	Karratha Aero	27.9		29.2	28.7	30.6	31.5	27.5	27.1	27.0	27.9	31.3	31.3	29.9	26.8	26.9	28.5	27.6	26.4	27.3	25.3	25.4	25.1	25.5	26.9	26.6	27.2	28.4	28.0
004106	Marble Bar	29.3		31.4	31.0	30.3	31.6	29.8	29.2	28.6	28.4	30.1	30.2	28.5	26.1	28.7	29.7	30.0	28.6	30.5	30.2	25.2	27.5	29.3	29.8	30.0	29.0	27.4	27.6
005007	Learamouth Airport	27.3		27.6	27.3	28.9	31.3	27.9	27.5	28.4	28.5	28.8	29.6	28.3	24.5	24.2	26.7	25.7	25.4	25.3	22.7	25.6	25.8	27.7	25.5	28.6	29.9	26.5	26.1
006011	Carnarvon Airport	26.1	+4.0	23.9	26.4	32.5	31.3	30.9	23.9	22.8	22.9	24.2	26.8	29.3	29.1	26.7	24.3	26.0	28.0	21.3	19.4	21.5	25.4	27.2	24.7	24.7	26.7	28.1	29.4
006044	Denham	23.5		22.0	22.0		29.0	28.1	22.0		21.4	21.2	23.0	26.2	27.9	25.0	23.0	23.0	22.2	20.0	19.5	20.0	23.2	25.5	23.0	21.9	25.0	28.0	27.5
007176	Newman Aero	25.3		25.5	25.3	23.3	27.3	26.8	26.6	26.6	26.1	26.6	24.6	23.0	21.9	23.9	28.3	27.2	26.5	27.7	21.0	16.3	22.4	24.6	26.0	27.1	24.5	23.8	24.4
007189	Paraburdoo Aero	27.8		27.3	28.7	28.2	28.8	30.0	29.0	29.3	28.5	27.1	26.9	26.2	25.9	26.5	28.7	29.7	28.8	27.2	21.1	24.7	24.4	27.1	29.1	28.3	26.8	25.7	27.3
007045	Meekatharra Airport	23.4	+4.5	20.3	21.7	22.4	23.6	28.0	26.0	24.8	22.3	20.3	19.1	21.0	21.0	22.9	24.2	26.5	27.8	18.3	16.7	18.9	20.3	23.9	25.9	24.8	21.6	22.7	26.0
007600	Mount Magnet Aero																				15.9	17.1	19.4	23.0	25.7	20.7	20.6	23.5	24.5
008299	Morawa Airport	21.0		17.0	17.7	22.5	24.6	28.9	20.7	17.8	17.9	17.9	18.6	21.5	23.3	23.9	16.6	19.3	20.7	15.9	16.0	17.3	19.4	23.0	25.2	19.4	20.5	24.0	24.3
008297	Dalwallinu	18.9		14.0	15.0	19.7	22.2	24.5	19.3	15.8	16.3	15.5	15.1	18.0	21.8	22.4	17.1	18.0	18.8	14.6	15.6	14.6	17.2	20.8	23.3	18.0	18.0	22.2	22.0
008315	Geraldton Airport	21.9		18.8	18.4	24.8	26.9	27.9	20.9	18.7	19.0	20.0	20.6	22.9	26.8	23.8	19.1	20.9	20.6	17.6	18.5	18.9	20.2	24.0	24.8	19.9	21.0	25.5	25.1
009021	Perth Airport	19.4	+1.7	16.5	17.9	19.7	22.3	23.3	19.7	18.1	17.4	17.5	15.9	17.5	21.4	18.9	17.6	17.6	20.4	15.3	17.6	15.7	18.8	20.8	23.9	19.6	19.0	22.4	21.1
009131	Jurien Bay			19.6	18.9	23.7	24.0														19.5	19.1	21.5	24.1	23.1	20.5	22.0	22.1	23.6
009225	Perth Metro	19.4		16.3	17.8	19.5	22.3	23.1	19.4	18.0	17.1	17.1	16.2	17.5	22.3	19.2	18.0	17.7	20.2	15.0	18.3	15.4	18.6	20.6	23.5	19.2	18.9	22.4	20.8
009240	Bickley	16.1		13.7	14.9	16.5	18.6	20.2	15.3	14.9	14.5	14.6	12.7	14.1	18.8	15.5	14.0	13.7	17.2	11.0	14.2	12.0	15.7	16.9	20.2	15.2	15.6	18.9	17.7
009518	Cape Leeuwin	18.0	+1.4	15.4	17.9	19.2	20.3	19.1	16.2	16.8	17.5	16.9	15.4	16.0	20.0	17.7	16.7	18.6	17.5	16.5	17.7	17.5	17.8	20.4	19.8	17.1	19.1	19.8	19.7
009617	Bridgetown	16.5		13.0	15.0	16.6	19.8	15.4	14.5	15.4	15.6	14.1	12.5	15.4	18.3	17.3	13.9	16.1	18.0	12.5	16.7	14.9	15.9	18.6	20.5	15.4	18.1	18.8	18.4
009746	Witchcliffe	16.8		14.0	16.0	17.3	18.3	16.2	15.4	16.2	16.1	15.2	14.2	14.0	18.8	17.2	14.9	17.3	17.3	13.7	17.0	15.6	15.9	18.7	20.3	16.2	17.2	19.3	18.8
009789	Esperance	18.7		14.3	16.5	17.1	20.2	23.5	22.6	19.4	17.3	15.0	14.3	15.2	17.7	24.5	16.2	18.2	22.7	15.0	17.4	14.7	17.0	16.8	21.8	18.3	16.8	20.0	16.9
009965	Bunbury	18.1		15.8	16.9	19.0	21.1	20.3	18.1	17.1	16.9	16.0	15.0	16.5	18.3	19.5	16.4	18.2	18.7	14.2	17.7	16.1	18.5	19.4	20.3	17.3	17.8	18.9	20.8
009977	Mandurah	18.1		15.8	16.7	19.2	19.7	20.2	17.8	17.5	16.5	15.8	15.6	17.2	18.7	18.8	17.0	17.8	18.6	14.5	17.1	16.8	18.9	18.8	19.3	18.1	18.0	19.5	20.5
009999	Albany Airport	17.1		14.4	16.4	18.0	19.3	17.2	18.6	16.3	14.7	13.8	14.1	14.2	17.8	19.3	14.4	17.4	18.2	12.5	15.8	15.3	16.1	18.2	22.5	16.3	18.1	17.4	18.1
010007	Bencubbin	18.2	+2.0	13.0	14.4	18.8	20.7	24.0	18.2	15.1	15.7	14.2	13.6	16.4	19.7	22.3	15.9	17.7	20.0	14.2	14.8	13.3	17.1	20.0	23.0	17.8	18.1	21.0	21.2
010092	Merredin	17.9	+1.9	14.5	15.4	17.8	19.8	23.3	18.2	15.6	16.0	14.6	13.3	15.0	19.0	21.5	15.5	17.0	20.8	14.2	15.0	14.0	16.0	19.0	23.0	17.5	17.5	21.2	21.1
010286	Cunderdin Airfield	18.5		14.6	14.8	17.6	20.4	22.5	19.1	16.0	16.8	15.3	13.7	15.4	20.3	22.1	16.7	17.2	20.8	14.6	16.6	13.5	17.5	20.2	23.0	18.8	17.8	21.8	19.6
010633	Ravensthorpe	18.0	+1.9	15.0	16.8	18.0	19.0	22.5	19.5	17.2	15.5	12.8		15.0	18.0	21.0	15.4	15.2	20.2	14.0	16.4	13.5	16.0	15.5	22.5	17.0	18.0	19.5	19.0
010911	Lake Grace	16.8		12.5	14.1	16.7	18.6	19.6	18.1	15.0	14.1	14.2	12.0	13.5	17.2	20.1	14.8	15.4	18.9	14.4	15.2	13.6	15.6	16.7	20.8	16.2	15.8	19.2	19.4
010916	Katanning	15.2		12.2	13.0	14.8	17.5	16.1	17.1	14.3	13.9	13.2	11.5	12.4	16.3	15.8	13.5	14.7	16.3	12.3	14.4	13.0	13.8	15.6	19.8	14.6	15.1	16.8	16.9
010917	Wandering	16.5		13.9	14.7	16.3	17.9	18.6	16.8	15.0	15.2	14.3	13.2	14.0	17.2	17.5	14.3	15.1	17.5	12.6	15.7	13.0	14.9	16.8	21.4	16.4	16.4	19.1	19.2
011003	Eucla	19.7		19.4	17.5	17.4	16.7	20.0	22.1	22.7	22.7	20.5	15.5	15.8	16.6	19.3	24.1	18.6	25.8	24.3	16.8	16.3	14.7	15.2	19.3	22.4	16.4	16.8	20.9
011052	Forrest	20.3		18.9	17.6	18.3	18.0	21.5	21.7	24.4	22.4	19.8	16.0	16.5	16.8	18.4	23.8	20.8	25.7	24.2	18.2	17.3	16.3	17.4	18.9	23.1	17.4	18.8	19.8
012038	Kalgoorlie-Boulder Airport	19.0	+2.4	16.1	15.8	17.6	20.1	23.9	23.7	17.1	17.3	15.7	13.1	13.9	17.2	21.6	20.6	19.2	25.8	15.4	14.9	14.0	15.2	17.9	22.5	20.3	16.3	19.7	20.8
012071	Salmon Gums Res. Stn.	17.7	+1.7	13.9	14.5	16.4	18.9	22.5	19.2	17.4	16.2	14.4	13.2	12.9	17.1	23.1	15.8	17.7	23.6	13.7	16.3	14.8	15.1	16.6	20.5	17.5	16.0	19.0	17.7
013011	Warburton Airfield	22.2		23.5	21.0	20.4	20.3	22.9	23.5	24.4	25.9	26.0	19.9	16.6	18.1	20.8	22.9	25.0	23.9	24.6	20.8	17.3	16.8	20.1	19.8	22.0	21.4	18.7	22.3
013017																													

Daily and mean maximum temperatures for July 2020

Queensland	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
027045 Weipa Aero	31.4		31.9	29.5	31.6	29.8	30.5	30.1	29.8	29.5	30.8	31.3	31.7	33.1	33.1	30.3	31.6	32.3	32.0	31.8	30.1	32.5	31.0	32.2	32.2	32.6	31.3	31.9
028004 Palmerville	31.7	+1.9	27.4	29.9	31.3	31.2	30.4	30.0	31.5		32.3	33.4	33.4	32.0	32.6	32.6	32.1	32.4	31.1	31.4	31.8	31.1	31.5	30.9	31.0	32.1	32.9	33.8
029063 Normanton Airport	30.4		32.6	30.6	32.2	29.5	28.3	28.6	30.3	30.8	31.5	33.2	32.0	29.0	26.1	28.7	30.1	30.8	31.4	31.3	30.9	30.8	30.3	30.9	31.3	31.2	32.1	30.3
029077 Burketown Airport	29.7		30.6	30.6	32.7	28.3	27.4	28.1	29.8	29.1	30.3	32.3	31.9	28.0	25.6	27.2	29.1	29.7	27.8	31.5	30.5	31.6	31.2	31.1	30.7	28.7	32.9	29.9
030124 Georgetown Airport	28.9		26.9	28.4	28.9	28.9	26.5	26.7	28.7	27.5	29.7	29.2	30.4	30.2	28.8	28.8	29.3	30.0	30.6	30.2	29.4	29.6	26.0	27.2	29.1	29.8	29.9	30.8
031011 Cairns Aero	26.3	+0.7	24.5	24.2	26.6	26.8	25.6	25.7	27.3	27.2	27.8	27.2	28.0	25.6	26.9	25.4	25.2	25.4	25.8	25.2	25.7	26.7	24.2	26.4	26.1	27.2	27.4	28.1
032040 Townsville Aero	25.2	+0.4	26.7	26.2	25.9	28.0	23.6	24.2	25.0	26.5	25.4	26.4	26.8	27.1	26.0	24.9	22.8	24.3	23.4	22.7	24.6	25.6	24.4	22.0	24.4	23.4	24.4	27.1
033119 Mackay M.O	21.7	+0.6	23.5	23.4	23.5	22.3	18.8	21.3	21.7	21.8	20.9	21.4	23.2	24.3	24.8	18.8	20.1	19.8	18.9	20.7	21.2	21.9	21.5	19.4	21.1	20.9	22.1	26.0
034084 Charters Towers Airport	24.5		24.3	26.7	25.5	25.8	22.2	24.6	24.7	25.3	20.9	26.7	25.1	26.8	23.0	22.8	24.0	25.1	24.8	24.6	25.8	27.2	23.2	22.0	18.2	24.8	26.3	27.8
036007 Barcaldine Post Office	23.7	+1.2	26.3	27.2	26.8	20.9	21.1	22.1	24.4	24.9		26.4	27.1	21.7	19.1	19.7	22.4	23.8	21.9	23.1	25.4	25.9	23.6	23.1	23.3	23.6	25.6	24.6
036031 Longreach Aero	24.7	+1.7	27.4	28.5	28.2	21.9	21.4	23.1	25.6	26.7	27.6	28.4	28.3	21.4	20.1	20.7	22.7	23.1	22.8	25.1	25.7	26.6	25.1	25.3	25.2	25.1	26.3	25.1
037010 Camooweal Township	26.6	+0.7	30.9	31.3	28.6	23.8	23.2	24.1	26.8	26.7	29.2	29.8	28.9	22.8	22.2	23.9	23.4	25.8	27.8	28.6	29.0	27.3	26.3	25.4	27.8	28.5	27.6	24.9
038026 Birdsville Airport	21.9		29.3	26.0	20.4	19.4	17.9	18.4	19.6	22.1	24.7	25.6	20.9	17.2	18.6	19.6	20.7	21.3	21.3	23.3	24.5	20.9	20.7	20.1	22.8	25.9	23.8	23.0
039066 Gayndah Airport	22.7		22.5	24.8	25.2	21.0	21.2	23.0	24.8	23.0	23.9	24.8	24.7	24.2	21.5	19.6	21.5	21.5	22.8	23.6	24.5	25.8	21.6	18.1	16.3	22.2	23.9	24.6
039083 Rockhampton Aero	24.2	+1.3	25.2	26.0	26.4	23.8	22.4	22.4	24.6	24.6	25.3	24.7	25.3	27.7	23.8	21.9	23.6	22.8	22.6	24.4	26.5	27.2	23.8	18.3	19.0	24.2	26.0	27.3
039126 Bundaberg Aero	22.6		23.4	23.7	24.7	21.4	21.5	22.7	23.6	22.3	23.2	23.6	24.5	25.5	22.0	19.7	21.5	22.4	22.2	23.6	24.9	25.8	22.5	18.9	17.6	21.0	21.1	24.5
040004 Amberley AMO	22.4	+1.6	23.0	24.0	25.7	21.0	21.1	22.0	23.1	23.9	19.8	21.3	24.9	21.0	21.2	17.9	23.2		23.5	23.7	25.6	26.8	22.3	19.9	18.7	21.2	19.3	24.3
040043 Cape Moreton Lighthouse	19.6	+0.9	21.5	20.7	21.4	18.3	18.1	18.6	19.0	19.3	21.0	23.4	21.3	21.1	19.2	16.8	19.2	18.7	18.8	19.0	21.2	22.4	19.5	18.2	17.7	19.0	20.2	21.3
040717 Coolangatta	21.0		21.1	23.4	24.3	21.0	19.3	21.1	20.4	21.6	19.3	20.7	22.3	23.9	21.2	20.3	21.3	20.6	21.3				20.7	17.6	18.2	17.5	20.5	23.2
040842 Brisbane Aero	21.3		21.3	21.9	23.0	20.7	20.1	20.7	21.1	22.3	19.5	22.2	22.4	23.0	21.0	18.1	21.8	21.5	21.6	21.5	23.5	24.4	20.8	18.4	18.3	20.2	21.1	23.5
040908 Tewantin RSL Park	21.2		20.3	22.2	23.6	21.3	19.8	20.9	21.2	21.6	18.5	23.0	23.2	24.2	22.4	19.8	22.3	22.1	20.2	20.7	22.6	24.4	20.2	16.8	16.5	20.6	20.0	24.6
042112 Miles																												
042112 Constance Street	20.5		23.4	24.6	25.0	17.3	16.3	18.6	21.7	21.6	22.4	23.3	24.7	19.8	16.4	15.3	18.1	18.1	18.1	22.2	23.8	21.2	20.2	18.9	20.9	22.7	22.7	19.4
043109 St George Airport	19.8		23.7	25.7	22.4	16.1	16.2	16.8	19.3	22.7	22.0	22.8	18.1	19.1	14.7	15.6	18.0	16.9	17.7	20.9	23.6	20.1	14.9	20.3	22.1	23.0	23.9	17.0
044021 Charleville Aero	20.6	+1.3	24.1	26.0	22.8	18.1	16.4	17.7	21.0	23.2	23.9	23.4	20.2	17.5	15.4	16.1	18.7	18.0	17.7	21.4	23.0	21.5	17.8	20.9	22.2	22.8	24.1	20.8
045025 Thargomindah Airport	19.3		26.5	27.1	18.7	16.4	16.6	17.1	17.7	22.4	22.4	14.9	19.5	15.1	15.4	17.4	18.4	18.1	17.6	19.0	21.1	18.4	15.3	18.5	21.4	23.0	21.9	19.2

Mean is the average of the daily maximum temperature for July 2020; it is only shown if there are sufficient days available. Anom is the difference between the mean daily maximum temperature for July 2020 and the long-term average maximum temperature for July. Anomalies are climate record available. The lowest and highest maximum temperature for each site for July 2020 is highlighted. Not all observations are shown here. Data from many more sites and for other times are available.

Daily and mean maximum temperatures for July 2020

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
048027	Cobar MO	17.0	+1.5	23.3	20.6	15.4	13.0	13.6	14.5	14.4	17.8	19.5	20.4	18.9	13.9	12.9	14.8	16.4	14.7	16.1	18.5	19.2	15.1	13.7	18.0	19.2	20.6	18.8	15.1
048245	Bourke Airport AWS	18.9		25.9	25.9	17.6	15.7	16.1	15.0	17.7	19.7	22.3	17.1	18.9	16.9	15.3	17.6	19.1	17.9	17.2	19.7	20.9	18.1	16.2	18.4	21.0	22.1	19.2	15.6
049000	Ivanhoe Aerodrome AWS	16.4		22.7	17.1	15.9	13.8	12.3	13.1	14.5	13.1	17.8	20.1	14.4	14.4	14.0	17.1	15.8	16.2	14.1	17.1	20.1	15.6	15.1	15.7	15.9	20.4	14.1	16.8
050052	Condobolin Ag Research Stn	15.0	+0.1			14.0	12.5	14.2	14.3	13.9	17.8	17.9	16.5	16.6	11.5	8.5	16.1	15.5	14.2	14.5	17.0	17.9	13.8	14.2	16.8	15.9	18.9	12.4	12.6
052088	Walgett Airport AWS	18.4		23.9	25.6	18.7	14.5	15.7	16.4	17.7	20.8	20.4	20.9	15.8	17.0	14.7	14.8	17.5	15.6	17.3	19.9	20.9	16.3	16.7	18.1	20.5	21.8	20.8	15.5
053115	Moree Aero	19.1		22.2	23.9	21.5	14.2	15.3	17.4	20.1	21.9	22.3	21.6	17.0	18.7	14.9	11.4	17.0	15.9	18.7	21.4	22.7	18.7	17.8	19.6	21.4	22.5	23.0	15.5
054038	Narrabri Airport AWS	18.4		20.9	22.7	20.7	14.2	16.4	17.3	19.7	21.3	20.7	22.3	16.6	18.2	12.9	13.0	18.1	17.1	17.6	19.3	21.2	18.6	17.6	20.1	20.3	22.1	18.5	14.2
055322	Tamworth Airport AWS	16.9		18.5	21.3	18.9	11.4	14.1	17.7	18.6	19.4	19.0	19.8	17.0	17.4	12.3	13.6	15.7	15.1	17.6	18.1	19.2	16.5	17.7	17.5	19.4	21.0	15.7	14.7
056242	Inverell (Raglan St)	16.7		18.3	18.9	17.8	12.6	14.3	18.0	18.4	19.2	17.7	18.3	12.9	16.4	13.2	10.6	14.6	14.2	19.4	18.8	18.7	16.9	18.4	17.3	19.6	19.7	18.6	16.4
057095	Tabulam (Muirie)	16.6		19.1	20.3	20.5	14.8	17.1	16.1	16.0	15.9	13.8	14.3	19.8	16.1	15.9	13.3	16.4	17.0	17.3	16.9	21.0	20.8	14.7	12.4	14.5	13.2	13.2	18.6
058012	Yamba Pilot Station	19.7	+0.8	20.4	23.4	24.3	19.4	18.5	19.4	19.5	15.7	19.7	18.7	21.5	18.0	20.1	19.0	21.4	20.3	20.2	20.0	22.0	20.3	18.6	15.6	16.8	18.8	18.3	18.0
060139	Port Macquarie Airport AWS	19.3		20.5	23.0	23.6	15.6	18.1	18.7	19.0	17.5	19.3	20.3	18.8	19.0	18.0	16.6	18.0	17.8	17.9	19.6	21.9	20.0	18.1	18.6	19.2	18.0	19.5	18.1
061078	Williamstown RAAF	17.7	+0.7	19.8	23.5	19.3	15.6	17.9	17.8	18.4	16.2	19.5	17.2	18.8	19.2	16.3	16.5	16.5	16.3	14.6	16.5	20.3	18.5	16.7	16.3	18.1	18.1	18.3	16.4
061363	Scone Airport AWS	16.8		20.7	21.6	18.5	14.0	16.8	16.3	16.6	16.7	17.2	16.4	19.1	19.1	15.5	16.1	17.6	17.6	15.0	16.3	19.9	17.5	15.8	12.9	18.0	16.2	15.3	13.3
062101	Mudgee Airport AWS	15.1		17.4	19.4	13.7	10.9	12.9	15.5	15.5	15.6	16.4	10.7	14.0	14.8	11.3	15.3	14.8	14.1	17.1	15.5	16.3		15.2	15.4	17.4	17.7	15.1	12.6
063005	Bathurst Agricultural Station	13.4	+2.4	15.4	16.0	10.7	8.2	9.2	14.8	13.2	14.1	15.0	10.5	13.5	12.8	12.1	12.8	11.5	12.1	15.4	13.0	13.7	10.2	15.2	15.4	15.5	17.0	15.7	11.3
063254	Orange Agricultural Institute			12.6	12.8			8.7	11.8	10.0	12.2	12.3			10.6	8.3	10.5	9.9	8.8			12.5	7.4	12.0	13.5	13.5		14.0	
064008	Coonabarabran (Showgrounds)	15.2	+0.1	18.5	19.5	15.2	10.0	11.8	16.0	17.4	17.5	16.5	13.7	15.4	15.0	9.5	13.8	14.5	13.0	16.1	17.3	17.5	14.0	15.4	15.5	17.9	19.3	13.3	13.4
065070	Dubbo Airport AWS	15.8		19.7	20.6	14.8	11.0	13.4	16.4	16.7	17.0	18.5	12.4	14.7	16.1	10.5	15.5	16.1	14.2	16.0	16.8	17.6	14.0	14.8	17.6	18.4	19.1	12.1	14.0
066062	Sydney Observatory Hill	18.0	+0.9	22.5	23.0	18.2	17.3	19.3	19.4	17.0	15.0	17.3	17.4	15.8	17.6	17.8	16.1	15.1	15.3	15.4	17.4	20.3	18.9	17.7	19.5	19.5	18.1	17.5	16.6
067102	Richmond RAAF	18.2		22.2	23.3	18.4	16.7	19.3	17.8	16.9	16.4	18.4	16.0	15.4	14.6	16.9	17.7	17.5	17.8	16.9	18.1	20.4	19.1	17.1	18.4	18.8	18.6	18.4	16.7
068072	Nowra RAN Air Station	17.2		21.1	21.0	16.2	15.7	17.9	17.1	16.1	16.7	18.8	18.7	18.9	16.5	15.8	13.8	14.7	16.6	15.9	16.9	19.7	16.8	15.9	19.2	18.0	19.3	19.0	15.2
068151	Jervis Bay (Point Perpendicular)	16.2		19.7	20.4	15.7	13.9	16.1	15.2	14.5	15.5	17.4	17.8	16.2	15.4	15.5	15.8	14.0	14.7	14.5	16.5	18.9	16.4	14.5	17.5	14.8	17.9	18.2	16.7
068241	Shellharbour Airport	17.9		22.6	23.2	16.8	16.1	18.3	17.8	16.5	17.1	18.8	17.9	18.2	18.6	16.9	15.0	15.3	16.6	15.5	18.1	20.0	17.8	16.5	19.0	19.0	19.0	19.7	17.2
069018	Moruya Heads Pilot Station	16.7	+0.6	20.9	21.9	18.3	15.9	17.8	15.9	16.6	15.8	16.8	19.0	16.6	14.9	13.4	15.5	15.2	16.6	16.6	17.1	20.0	19.1	16.0	15.8	14.0	17.2	16.6	15.9
070351	Canberra Airport	13.2		15.1	14.0	11.6	11.4	13.5	9.5	13.9	11.9	14.5	15.1	8.5	11.7	11.7	12.6	12.5	12.8	14.4	12.9	13.8	13.8	13.8	14.3	11.8	14.7	15.1	12.0
071041	Thredbo Village	6.5		8.0	3.5	2.5	3.9	6.0	8.0	7.6	7.5	8.5	7.5		1.0	3.5	4.0	4.0	4.0	6.0	10.2	5.5	5.2	8.0	9.0	7.0	9.8	10.0	6.0
072150	Wagga Wagga AMO	13.5	+1.0	15.9	14.2	11.2	10.3	11.9	7.0	12.5	15.2	15.9	15.4	11.2	11.8	13.0	15.6	14.8	13.2	14.1	14.3	15.7	12.3	13.9	14.8	7.6	14.7	12.3	14.3
072160	Albury Airport AWS	13.9		16.4	13.0	10.3	11.0	14.0	11.8	9.8	14.7	15.2	13.9	11.7	10.7	14.0	15.9	15.1	13.9	14.7	13.1	15.8	12.4	14.7	14.6	10.6	13.8	12.4	15.4
072161	Cabramurra SMHEA AWS	5.8		7.1	3.9	-0.3		4.6	6.5	6.7	6.1	6.9	7.3	5.4	2.9	2.8	4.4	4.9	4.6	7.6	7.2	4.8	1.5	7.5	6.3	7.0	8.3	9.9	5.8
074258	Deniliquin Airport AWS	14.4		18.2	14.6	14.1	11.8	12.7	14.1	7.6	13.8	15.7	16.3	15.5	10.7	16.0	15.2	14.8	12.2	14.7	12.0	16.6	14.2	13.8	12.5	13.1	11.1	16.2	16.7
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
076031	Mildura Airport	16.2	+0.8	21.7	16.0	16.4	14.0	14.2	13.9	14.0	7.6	16.5	19.9	14.3	13.2	16.4	16.4	16.3	17.5	16.8	16.6	18.3	16.3	13.3	14.3	15.5	18.9	15.9	17.0
078015	Nhill Aerodrome	13.9		18.5	12.9	12.2	13.7	11.2	12.5	11.4	9.0	11.6	14.9	13.0	15.3	15.2	14.8	13.8	15.9	14.9	12.0	13.9	14.1	11.1	11.9	12.8	14.5	15.6	15.5
080023	Kerang	14.4	+0.4	18.2	14.4	14.1	12.8	12.9	14.1	14.3	7.5	14.4	18.1	13.2	9.8	16.3	15.4	14.0	13.1	14.3	12.9	16.8	14.2	13.2	11.5	13.1	13.8	16.4	17.0
081123	Bendigo Airport	13.6		15.2	12.0	10.3	11.3	13.3	13.3	14.7	10.6	13.8	13.7	12.6	12.2	15.2	13.6	15.3	13.0	13.1	11.7	14.2	13.0	13.4	13.6	11.5	11.1	15.9	18.1
082036	Rutherglen Research	13.7	+1.4	16.4	13.2	11.0	10.3	13.3	10.4	7.2	14.9	15.3	13.6					14.2	12.5	14.5	12.7	15.8	12.8	13.3	12.8	10.5	13.6	14.6	18.2
083085	Mount Hotham												1.1	0.5	-0.5	0.1	0.1	0.1	-0.4	6.5	2.1	-0.6	-1.7	1.8	3.2	6.8	3.7	6.3	3.0
084016	Gabo Island Lighthouse	14.6	+0.7	19.5	18.7	14.4	13.8	13.2	13.4	13.0	14.1	14.7	15.9	15.1	14.8	15.5	14.7	14.0	13.8	13.5	14.9	16.3	14.4	13.6	13.5	13.0	14.9	13.8	15.1
084145	Orbost	14.3		20.3	17.4	15.4	12.6	13.4	12.9	13.2	14.1	15.7	13.1	14.8	14.9	14.8	14.2	13.6	11.6	12.6	14.3	18.9	14.5	14.1	13.2	12.9	11.6	14.2	11.9
085072	East Sale Wilsons	14.0	+0.3	20.2	15.2	13.9	12.5	14.2	13.2	14.1	12.2	15.7																	

Daily and mean maximum temperatures for July 2020

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
091126 Devonport Airport	13.4		14.4	13.2	11.9	15.3	17.2	16.0	11.1	9.3	11.9	13.6	14.1	14.8	13.2	12.7	12.2	13.6	12.6	12.9	13.9	13.4	15.5	14.9	12.8	9.8	13.3	12.5
091293 Low Head	12.8		14.4	13.0	11.5	13.4	14.3	14.3	11.2	10.0	10.8	14.1	12.0	14.2	12.7	12.6	11.7	12.6	13.0	12.6	13.3	11.9	13.4	12.6	12.1	10.6	12.9	12.7
091311 Launceston Airport	11.8		14.2	12.0	11.0	12.7	15.4	12.4	8.3	7.2	10.7	11.2	9.9	12.6	11.4	11.7	11.1	11.6	11.7	10.7	12.4	11.9	14.4	12.7	12.0	10.3	11.1	11.2
092045 Irapuna (Eddystone Point)											14.8	16.0	13.9	13.3	12.3	13.6	12.7	13.9	13.3	14.8	14.6	16.1	14.1	14.9	12.8	13.8	14.3	
093053 Ross (The Boulevards)	11.2		13.1	11.8	9.5	12.2	14.0	12.3	7.9	7.6	10.6	11.5	11.8	11.6	10.9	10.9	10.6	10.1	10.9	10.7	11.9	10.4	14.1	13.1	11.2	8.8	11.0	10.6
094010 Cape Bruny Lighthouse	11.5	+0.3	13.2	12.4	10.1	10.5	11.2	11.5	8.9	9.8	11.2	12.0	10.2	10.5	11.2	9.6	11.2	12.1	10.6	10.9	13.5	10.3	11.1	11.0	11.9	12.8	12.4	13.1
094029 Hobart (Eilerslie Road)	12.5	+0.6	13.8	12.9	10.0	13.0	15.3	13.2	10.0	10.1	12.5	8.6	8.8	10.9	12.6	10.7	12.0	12.0	12.0	9.7	15.4	10.1	13.8	13.3	13.5	13.1	13.8	14.5
094220 Grove (Research Station)	12.0		15.3	12.9	8.8	12.8	13.7	13.2	8.2	11.0	12.1	8.1	8.0	9.9	12.5	9.5	10.4	11.4	11.5	11.9	15.0	9.1	13.0	12.0	13.9	12.6	12.5	13.4
095003 Bushy Park (Bushy Park Estates)	11.3	+0.7	6.6	13.4	9.0	14.5	13.7	12.6	10.3	5.6	10.1	7.1	7.8	11.4	11.0	9.2	9.7	10.0	10.9	4.7	16.2	11.2	14.7	13.4	13.3	12.1	12.3	12.1
096003 Butlers Gorge	8.3	+1.4	10.9	6.1	4.7	7.3	8.2	6.9	6.8	6.8	9.5	9.7	6.5	9.8	7.6	4.4	6.9	8.3	10.4	7.3	9.2	5.8	8.0	7.5	7.6	7.4	10.6	12.5
096033 Liawenee	6.5		5.9	4.8	3.0	6.3	7.4	7.6	5.6	5.6	7.3	5.6	5.6	6.3	3.9	5.0	6.0	5.6	9.3	4.5	5.2	3.2	7.2	5.9	6.7	8.6	7.2	10.5
097072 Strahan Aerodrome	12.4		15.8	12.0	11.8	11.1	11.2	11.8	9.2	12.2	13.6	15.5	11.2	13.3	11.9	11.0	10.8	11.5	13.4	12.0	13.1	10.8	12.3	11.8	11.3	11.7	14.0	13.2
097085 Mount Read	4.5		4.5	2.5	2.6	3.2	4.7	3.9	3.6	2.7	3.4	4.8	5.9	7.1	4.0	7.6	7.5	4.8	4.2	3.5	2.9	2.5	3.4	2.6	3.2	2.8	4.5	7.1
098017 King Island Airport	13.6		15.8	13.3	12.1	12.6	12.0	14.2	12.6	13.2	13.5	15.0	13.7	15.0	14.3	13.6	13.4	14.3	13.6	12.2	13.5	12.5	13.6	11.3	12.7	12.1	13.4	14.1
099005 Flinders Island Airport	13.5	+0.3	16.5	13.1	11.9	13.5	13.6	13.6	12.2	13.6	15.2	16.4	13.4	14.4	14.0	12.6	13.7	12.2	13.5	14.8	15.6	11.9	13.2	11.5	12.5	11.9	12.5	14.3

Mean is the average of the daily maximum temperature for July 2020; it is only shown if there are sufficient days available. Anom is the difference between the mean daily maximum temperature for July 2020 and the long-term average maximum temperature for July. Anomalies are climate record available. The lowest and highest maximum temperature for each site for July 2020 is highlighted. Not all observations are shown here. Data from many more sites and for other times are available.

Daily and mean minimum temperatures for July 2020

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
001019	Kalumburu	11.6		10.8	11.4	14.6	16.7	19.3	13.2	14.6	9.2	10.4	10.2	14.9	15.6	17.4	11.1	7.8	8.6	10.6	9.5	10.7	12.1	13.3	10.4	14.9	8.0	13.9	11.3
002056	Kununurra Aero	13.0		11.6	13.5	16.4	24.1	18.7	12.9	14.4	10.0	10.6	12.0	15.3	16.6	18.9	13.6	8.8	10.7	10.5	10.7	11.8	12.9	15.8	12.2	11.2	10.2	11.3	12.0
003003	Broome Airport	13.4	0.0	13.4	12.6	13.7	20.3	17.1	13.1	12.5	12.8	14.2	11.8	15.0	16.0	14.7	11.5	10.8	10.7	11.0	13.8	19.4	16.1	13.8	14.7	14.1	17.6	12.0	12.1
003032	Derby Aero	13.8		13.6	12.5	14.5	21.8	17.8	13.0	13.8	12.5	13.1	13.3	13.3	15.7	17.0	11.4	10.0	10.9	10.3	14.4	16.9	14.6	13.3	13.0	18.3	12.8	15.4	14.6
004032	Port Hedland Airport	13.5	+1.4	17.2	16.2	20.4	17.6	16.8	13.5	12.5	12.9	11.0	12.6	15.9	15.1	13.2	12.8	11.1	12.3	11.3	13.7	16.9	14.9	14.5	13.3	13.5	12.4	12.5	13.1
004083	Karratha Aero	15.0		18.1	17.8	20.1	20.4	17.5	14.7	12.9	12.6	13.3	13.8	14.6	16.7	11.7	12.8	13.0	13.8	14.1	21.0	17.1	15.0	14.5	14.7	15.5	15.1	14.8	15.4
004106	Marble Bar	12.6		15.5	15.5	20.4	17.8	15.6	10.4	14.5	11.1	9.0	13.9	15.8	11.2	7.2	9.2	10.1	12.8	8.8	13.4	17.2	9.9	14.0	10.7	16.0	11.2	15.9	12.7
005007	Learnmonth Airport	12.1		15.6	12.8	13.9	12.1	12.7	19.1	14.9	13.7	12.2	10.8	10.6	9.5	9.0	12.5	13.9	13.2	17.2	11.5	9.8	11.2	9.9		14.4	14.2	10.9	9.1
006011	Carnarvon Airport	12.1	+1.2	12.5	13.4	12.7	11.7	13.5	14.7	12.6	12.3	9.9	11.9	11.1	12.0	12.5	15.6	12.3	17.2	16.5	9.9	8.7	8.4	11.0	12.5	12.0	13.8	9.6	11.1
007176	Newman Aero	7.4		13.8	11.8	15.6	7.7	10.1	8.6	5.3	8.6	5.9	9.0	8.3	1.8	0.3	3.9	5.5	6.0	7.4	14.1	13.3	6.3	8.3	8.0	7.9	10.6	9.3	1.7
007185	Paraburdoo Aero	11.2		17.1	15.9	18.2	13.3	14.2	13.4	10.7	10.1	7.6	13.9	13.3	7.4	8.2	10.4	9.1	9.9	11.2	15.0	15.2	11.7	10.8	10.4	12.2	15.3	8.9	8.9
007045	Meekatharra Airport	8.7	+1.2	6.8	7.4	10.2	7.8	11.1	17.7	10.6	9.4	7.2	7.5	5.6	5.2	8.2	7.9	9.1	10.3	15.4	4.0	4.9	6.1	9.9	12.6	10.5	7.2	5.6	5.6
007600	Mount Magnet Aero																					3.1	6.4	6.6	11.8	9.8	4.8	5.5	5.4
008299	Morawa Airport	6.6		11.3	5.8	6.5	8.4	4.9	11.2	6.5	5.6	2.9	3.2	5.6	4.6	7.5	12.9	6.8	8.3	11.5	3.2	5.8	3.9	5.9	5.9	9.0	3.7	4.6	6.0
008297	Dalwallinu	6.3		10.3	5.1	5.4	5.7	5.9	10.8	6.5	7.8	6.1	3.2	1.6	3.1	5.9	11.0	2.5	5.1	10.0	5.5	4.9	3.3	3.9	7.3	10.5	5.0	4.1	8.5
008315	Geraldton Airport	9.7		13.8	8.0	8.7	13.9	11.7	14.4	11.4	10.2	7.1	7.2	8.0	7.6	11.2	14.9	10.9	11.3	14.0	7.6	8.1	7.9	6.9	8.5	10.6	4.8	6.1	9.8
009021	Perth Airport	8.6	+0.5	11.2	3.6	6.1	12.9	13.2	12.5	10.5	9.8	4.0	5.3	5.0	5.4	7.2	12.1	9.2	12.5	11.3	5.4	3.6	4.9	9.0	7.5	13.9	3.8	7.4	14.0
009131	Jurien Bay			15.4	8.8	4.7	13.7	11.0						2.2	10.2	12.5	13.5	10.3	14.8	7.7		6.5	9.7	8.8	14.9	8.1	9.5	13.5	
009225	Perth Metro	9.1		12.0	4.3	7.1	12.3	10.4	12.9	12.2	10.7	6.0	4.8	4.8	7.3	11.3	12.4	9.2	12.5	11.6	7.3	4.4	5.1	5.2	8.1	14.5	4.4	5.1	13.9
009240	Bickley	7.9		8.7	5.3	6.5	8.0	9.6	11.0	9.3	8.2	5.8	4.2	4.1	4.2	7.8	8.8	7.7	10.2	8.6	5.3	6.0	5.1	5.7	10.1	11.2	6.6	6.9	11.2
009518	Cape Leeuwin	11.8	+0.7	12.5	11.9	10.1	11.3	14.7	12.2	13.1	12.7	12.1	10.0	6.7	8.0	11.0	12.0	11.8	13.6	12.0	10.9	13.7	8.7	9.4	11.9	12.7	12.4	11.5	12.0
009617	Bridgetown	5.3		6.3	7.0	4.6	3.4	7.6	9.7	10.4	4.7	1.5	0.0	-1.1	-1.1	6.5	8.5	10.5	12.5	2.6	6.9	4.7	4.4	6.8	10.3	2.0	5.0		
009746	Witchcliffe	8.6		10.9	7.6	4.1	9.0	13.8	12.1	12.2	9.0	5.9	3.8	0.9	2.8	11.6	10.0	9.5	12.5	9.2	8.5	9.6	3.4	5.7	10.1	12.4	8.6	7.7	6.4
009789	Esperance	9.4		8.6	9.3	8.9	8.1	8.9	12.6	10.4	9.7	10.1	9.5	8.0	4.2	8.6	12.0	6.3	7.2	13.7	7.0	10.1	8.6	8.9	8.4	13.2	12.3	6.4	10.8
009965	Bunbury	7.6		10.7	3.3	4.2	4.9	10.1	13.6	13.0	6.6	3.9	1.7	2.6	0.1	10.2	10.0	8.9	13.4	9.6	6.7	9.2	4.4	7.5	8.7	14.3	3.9	5.1	5.7
009977	Mandurah	11.2		12.4	8.2	9.0	12.1	14.1	15.0	13.4	10.6	8.8	7.0	6.9	8.7	12.7	13.2	11.3	13.5	11.3	9.4	9.9	8.5	10.8	13.4	15.1	8.8	10.0	12.9
009999	Albany Airport	8.0		8.3	8.5	5.9	6.9	10.0	11.7	12.4	7.8	8.4	8.3	3.3	0.0	8.6	9.8	7.4	10.3	8.9	7.0	9.2	3.3	7.0	6.4	9.8	5.9	5.1	9.4
010007	Bencubbin	6.4	+0.4	9.6	4.6	4.6	6.0	5.2	10.9	6.9	7.6	6.4	1.9	1.4	1.5	7.4	9.3	4.2	5.1	8.0	3.0	5.5	3.6	4.0	5.9	10.9	4.6	6.0	10.9
010092	Merredin	6.5	+1.1	9.5	6.7	6.1	9.0	9.4	9.0	5.8	9.4	4.6	0.5	2.4	5.5	6.0	10.4	2.0	4.5	9.8	0.5	4.0	7.6	6.8	9.0	9.1	3.4	5.0	9.8
010286	Cunderdin Airfield	4.9		8.7	5.4	3.4	6.3	4.4	11.1	6.2	8.6	2.0	-0.7	-1.1	0.2	7.6	11.2	2.1	6.3	10.4	1.7	2.2	2.2	3.1	6.6	8.9	-0.1	-0.3	11.6
010633	Ravensthorpe	7.7	+1.1	7.2	4.2	6.0	7.5	10.9	10.0	9.0	7.5	6.8	7.5		5.0	10.0	9.8	6.5	6.5	10.0	4.7	6.0	4.0	6.0	10.0	12.0	5.0	6.6	11.8
010911	Lake Grace	5.5		6.3	1.4	5.6	6.6	6.7	9.2	6.3	5.1	4.7	1.5	-0.1	0.2	6.7	8.8	4.7	6.0	10.0	3.0	7.4	7.1	5.4	5.3	10.0	2.7	3.5	9.3
010916	Katanning	6.4		6.2	5.0	4.7	6.7	7.0	9.0	10.2	5.3	5.0	5.0	1.7	1.9	6.0	7.8	6.5	8.3	8.7	4.4	6.8	6.5	6.2	7.3	9.9	6.0	4.0	5.7
010917	Wandering	4.9		8.7	1.2	0.7	7.4	6.3	9.9	8.8	3.0	1.2	0.2	0.3	0.4	8.9	9.5	5.0	9.1	8.9	1.7	2.5	3.0	1.9	4.5	10.7	1.8	-0.2	9.6
011003	Eucla	7.4		9.4	7.1	7.9	8.3	6.4	6.8	7.0	6.9	4.8	7.1	8.2	7.6	5.0	6.2	7.2	8.0	9.6	9.0	5.5	6.4	7.7	4.1	3.7	8.9	11.5	5.8
011052	Forrest	4.5		8.4	4.4	2.6	2.5	2.3	2.8	4.0	4.3	4.3	4.6	4.1	5.7	2.1	1.2	3.9	4.1	4.5	7.5	4.8	6.6	2.8	0.7	0.0	7.0	8.5	4.3
012036	Kalgoorlie-Boulder Airport	6.5	+1.7	10.6	2.3	3.3	7.2	7.3	13.7	7.9	4.6	4.7	3.0	2.3	2.8	6.2	9.2	2.9	10.3	14.0	2.5	3.1	8.0	5.4	7.6	9.3	4.7	1.1	8.7
012077	Salmon Gums Res.Stn.	5.6	+0.8	7.4	4.1	0.2	2.3	7.8	12.4	7.0	6.8	7.4	4.9	5.8	-1.4	8.1	10.5	1.2	1.9	12.8	4.5	7.8	1.3	1.6	7.4	12.1	5.1	-1.2	10.7
013011	Warburton Airfield	7.1		7.1	7.1	8.7	11.3	6.7	9.2	8.4	5.0	6.7	9.1	4.8	2.9	6.9	5.0	7.4	5.4	8.4	8.6	11.7	10.9	7.6	7.5	5.1	7.8	4.1	1.0
013017	Giles Meteorological Office	7.0	+0.5	10.0	8.7	9.6	11.5	4.6	8.4	5.7	6.5	10.4	7.3	5.8	1.4	5.0	7.6	4.9	5.6	5.5	11.8	12.6	9.8	6.3	5.0	5.6	5.8	4.7	3.5
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
014015	Darwin Airport	19.2	0.0	18.9	19.3	20.8	22.7	20.1	19.6	19.4	19.2	20.0	19.5	23.0	22.9	21.5	18.1	18.5	18.3	18.7	17.5	19.0	19.9	18.5	18.4	18.4	16.5	19.7	19.5
014198	Jabiru Airport	19.3		17.2	17.4	21.7	22.6	21.4	21.5	19.1	18.6	18.7	22																

Daily and mean minimum temperatures for July 2020

Queensland	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
027045 Weipa Aero	19.4		17.5	21.3	21.8	19.9	19.5	20.4	21.8	20.0	21.8	23.6	21.3	19.3	23.0	21.3	19.2	18.6	17.3	15.7	15.2	18.1	19.8	21.4	18.6	18.2	18.0	20.7
028004 Palmerville	13.3	-1.0	13.7	17.8	12.7	11.7	11.0	10.7	12.3	13.2	12.4	16.5	14.3	17.0	20.7	14.5	11.8	13.6	8.0	11.8	12.1	12.6	16.1	16.8	14.1	14.1	15.6	15.7
029063 Normanton Airport	16.4		18.1	22.8	20.8	20.2	16.8	13.4	13.7	17.0	19.2	18.9	19.8	20.9	15.5	14.1	11.8	13.3	13.1	11.1	11.4	14.8	18.2	17.5	17.7	18.3	19.5	18.8
029077 Burketown Airport	15.0		16.3	18.4	18.9	19.4	15.8	13.4	13.9	16.0	15.9	17.9	19.6	19.1	14.3	11.2	11.9	13.1	14.2	10.4	10.8	11.1	16.1	14.8	17.2	17.1	15.6	17.9
030124 Georgetown Airport	13.0		17.4	16.2	14.2	12.3	11.8	13.6	14.8	17.4	16.0	19.9	15.4	16.5	10.7	14.8	15.6	7.5	6.9	4.5	7.3	6.8	19.2	17.5	16.7	17.3	14.1	11.7
031011 Cairns Aero	17.2	+0.3	19.8	19.2	18.0	19.9	17.4	18.4	19.5	20.1	20.4	20.7	20.3	20.8	20.7	18.7	14.0	13.1	9.5	13.9	13.8	15.2	19.2	19.2	19.5	18.3	19.1	16.8
032040 Townsville Aero	13.8	+0.2	20.1	18.0	14.6	12.9	14.4	10.3	13.5	15.9	19.2	16.8	18.7	18.4	19.0	14.0	7.0	6.5	8.2	9.0	9.5	12.7	17.5	17.2	17.4	14.5	14.7	13.8
033119 Mackay M.O	13.2	+0.6	17.6	16.1	13.6	13.8	10.8	9.9	15.4	16.3	18.4	17.6	15.6	16.2	15.4	9.0	8.7	8.7	8.2	8.3	11.9	13.2	12.3	15.3	15.4	16.0	15.0	13.9
034084 Charters Towers Airport	11.8		14.1	14.3	13.0	12.2	9.5	8.9	11.4	12.9	15.0	15.4	16.1	15.0	14.2	10.5	6.9	5.4	4.2	6.9	9.2	10.6	15.3	16.5	14.9	14.7	14.6	14.9
036007 Barcaldine Post Office	8.9	+1.0	16.2	14.3	8.7	7.6	7.8	6.8	12.7	15.4		15.8	11.8	4.9	3.1	4.4	3.7	6.2	4.4	6.6	7.6	12.1	12.1	10.2	11.6	10.6	10.8	
036031 Longreach Aero	7.9	+1.1	14.6	11.1	6.3	7.7		5.7		12.8	13.2	14.3	9.0	4.8	2.1	2.7	5.2	3.8	4.2	3.2	8.6	14.2	11.1	9.1	9.6	8.4	9.4	
037010 Camooweal Township	8.5	-0.2	12.4	12.4	15.8	10.7	13.3	5.8	7.0	6.9	9.4	12.4	12.0	12.2	4.9	3.9	3.6	4.3	4.9	6.6	6.9	9.8	11.0	12.5	7.7	8.1	9.3	12.2
038003 Boulia Airport			13.0	12.4	14.5	9.0	10.7	6.4	6.3	8.0	9.1	14.9	11.4	8.0								5.2	10.0	8.5	11.5	11.9	8.5	
038026 Birdsville Airport	5.9		9.4	12.7	6.1	4.9	4.5	3.8	3.5	2.9	8.1	10.7	10.4	8.0	2.9	3.3	4.0	4.5	2.3	2.1	4.0	7.9	10.4	4.5	4.7	7.0	8.4	7.8
039066 Gayndah Airport	8.0		11.9	7.8	9.3	10.9	3.5	3.3	4.3	7.1	7.8	9.4	7.2	8.8	12.1	3.4	4.6	5.2	5.1	2.8	3.7	3.9	10.6	13.8	13.3	12.1	13.5	15.7
039083 Rockhampton Aero	10.5	+1.1	15.8	13.9	11.4	11.6	6.0	7.3	7.2	12.6	14.1	15.8	15.3	11.8	14.7	7.0	6.4	7.2	5.5	4.3	9.0	7.4	9.5	16.4	15.0	11.7	12.0	12.4
039128 Bundaberg Aero	11.0		13.0	11.0	10.0	12.9	6.5	8.0	10.7	13.8	12.6	13.1	12.9	11.1	15.3	8.2	9.7	7.0	8.9	7.6	8.3	7.7	12.2	15.0	14.4	14.2	15.4	14.9
040004 Amberley AMO	6.4	+1.0	4.5	5.3	6.1	9.0	-2.0	0.8	-0.6	2.6	12.9	9.6	10.7	11.0	12.7	7.1	1.8	0.8	1.2	3.5	3.0	2.4	6.7	8.4	8.9	12.0	12.7	15.4
040043 Cape Moreton Lighthouse	14.0	+1.0	14.7	14.7	15.4	13.6	9.7	12.2	14.3	15.1	13.8	17.1	16.2	16.4	14.7	10.3	10.1	12.0	11.8	14.0	13.9	14.2	17.2	13.5	15.3	13.4	15.8	16.8
040717 Coolangatta	10.9		12.3	10.3	12.4	9.3	2.0	6.9	9.4	13.9	14.1	13.2	12.6	13.3	13.5	4.0	5.0	4.6	7.0			11.8	13.8	14.1	14.5	15.2	16.2	
040842 Brisbane Aero	10.2		11.6	10.0	10.3	10.0	3.8	7.0	7.3	10.0	14.4	12.6	13.7	10.5	13.7	9.7	8.2	5.5	6.2	9.2	8.1	7.9	11.3	10.7	11.7	13.6	14.2	15.9
040908 Tewantin RSL Park	12.0		12.8	11.0	11.6	13.4	6.6	6.9	11.3	14.5	14.6	14.7	14.8	12.9	15.4	8.7	8.5	9.9	7.9	10.7	9.7	11.3	13.9	15.1	14.1	14.1	15.7	16.6
042112 Constance Street	5.1		6.1	7.4	7.6	2.6	-0.7	0.7	-0.3	1.0	2.4	9.6	8.3	13.6	6.1	3.6	2.1	2.1	0.4	0.2	1.5	1.2	6.3	7.4	10.5	9.5	10.4	14.5
043109 St George Airport	5.8		5.7	9.2	10.3	3.7	0.3	0.9	-0.1	1.4	6.9	12.5	13.4	8.8	4.6	3.7	3.8	3.5	1.8	1.4	2.6	2.7	5.6	7.2	5.3	5.0	12.6	12.5
044021 Charleville Aero	4.7	+1.0	6.6	9.4	10.3	1.1	-0.8	1.6	1.7	2.1	8.2	14.3	13.5	7.7	2.4	0.9	1.0	0.6	-0.2	-0.2	3.1	2.0	9.6	7.5	4.6	5.8	11.6	9.9
045025 Thargomindah Airport	6.9		8.6	12.0	7.6	4.0	4.1	3.3	3.7	5.4	9.6	12.5	11.5	7.3	5.5	4.8	5.3	5.5	3.4	3.1	4.1	6.4	10.0	7.3	7.2	10.5	12.4	9.1

Mean is the average of the daily minimum temperature for July 2020; it is only shown if there are sufficient days available. Anom is the difference between the mean daily minimum temperature for July 2020 and the long-term average minimum temperature for July. Anomalies are only shown if a record is available. The lowest and highest minimum temperature for each site for July 2020 is highlighted. Not all observations are shown here. Data from many more sites and for other times are available.

Daily and mean minimum temperatures for July 2020

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
048027	Cobar MO	4.9	0.0	9.0	9.6	3.2	3.8	5.3	5.6	1.1	3.6	4.4	10.2	11.0	7.4	2.9	4.2	2.2	2.3	1.2	4.2	5.0	3.3	1.3	3.1	3.5	4.1	7.9	7.8
048245	Bourke Airport AWS	4.5		6.4	10.5	2.9	3.8	-0.1	6.3	3.7	-1.0	6.4	9.4	12.0	5.0	3.8	3.8	0.8	0.6	0.1	0.8	0.5	4.6	0.0	5.4	2.6	5.0	10.9	8.0
049000	Ivanhoe Aerodrome AWS	3.9		6.8	9.1	3.4	3.8	5.7	7.8	1.0	0.3	1.5	4.9	8.6	2.4	5.2	4.5	2.1	2.9	-0.9	0.4	4.3	3.6	1.8	2.7	0.5	1.3	5.9	8.5
050052	Condobolin Ag Research Stn	2.8	+0.5	8.0		1.2	2.3	5.0	4.1	2.3	0.0	1.0	5.9	7.8	5.0	3.5	4.6	0.5	-0.3	-1.5	-1.2	4.0	1.3		-1.0	-1.0	-1.0	1.6	7.2
052088	Walgett Airport AWS	4.3		6.5	8.7	6.2	3.4	1.6	1.8	-0.3	-0.8	3.5	8.6	13.2	6.8	3.3	2.8	2.6	1.6	0.8	1.2	0.8	4.0	1.3	2.3	1.7	2.7	9.6	11.0
053115	Moree Aero	5.3		4.9	6.0	11.0	2.9	-0.8	-1.4	1.0	4.3	5.3	11.1	12.8	10.2	2.5	4.3	2.3	1.2	-0.4	2.5	3.9	2.3	0.2	7.0	5.5	5.7	12.1	11.3
054038	Narrabri Airport AWS	4.7		2.4	3.3	11.1	2.1	-1.1	-1.0	1.5	6.2	4.6	10.1	12.6	8.5	1.7	4.5	0.0	-0.3	-0.9	5.4	2.4	1.0	0.0	5.6	5.4	3.6	9.2	11.2
055322	Tamworth Airport AWS	3.5		-0.6	0.6	7.3	2.2	-3.5	-0.4	-1.0	3.2	5.8	8.1	10.5	7.4	1.5	4.6	6.1	0.0	2.0	0.5	-1.5	-1.0	-3.6	3.7	2.2	3.4	8.5	11.1
056242	Inverell (Raglan St)	1.2		-2.1	-1.6	1.9	-2.9	-4.6	-5.2	-3.1	-1.2	0.0	9.4	9.1	8.9	-1.1	1.8	2.8	-3.2	-2.4	-1.6	-2.1	-2.7	-4.2	2.3	2.2	1.1	4.4	10.8
057095	Tabulam (Muirie)	8.2		8.7	7.8	9.6	6.8	2.9	6.0	7.7	7.9	9.8	9.6	9.2	11.3	8.2	5.8	6.6	7.1	5.2	8.8	7.6	9.6	8.3	8.4	7.8	9.6	10.1	9.8
058012	Yamba Pilot Station	11.0	+1.7	9.9	11.0	12.6	10.4	6.4	7.9	8.6	10.1	10.8	13.1	12.1	15.8	12.1	8.8	11.0	9.9	10.3	10.3	11.0	9.9	8.3	10.0	11.0	12.3	13.7	14.5
060139	Macquarie Airport AWS	8.3		5.2	5.2	8.7	3.5	0.7	5.5	6.6	10.0	8.3	9.7	11.2	9.5	4.5	8.2	10.6	12.6	13.2	12.1	7.2	6.2	0.6	9.6	9.7	6.2	7.1	13.7
061078	Williamtown RAAF	7.8	+1.7	4.2	3.7	8.1	6.7	6.5	6.2	5.9	9.6	5.1	9.0	10.4	7.9	5.9	7.9	11.2	10.5	12.2	10.2	5.8	8.2	4.6	6.2	4.9	3.3	5.5	11.3
061363	Scone Airport AWS	3.9		-0.6	4.8	9.5	4.3	0.3	-1.7	-0.6	3.4	1.9	5.4	10.7	6.3	1.4	1.9	6.2	0.2	4.8	9.3	0.0	3.4	-2.3	-0.6	1.1	-1.3	5.2	9.9
062101	Mudgee Airport AWS	1.6		-0.9	1.6	0.7	-0.7	4.7	-3.0	-2.9	3.6		2.8	6.4	6.7	0.9	0.2	-0.5	-1.6	-1.4	-0.8	-0.3	2.0	-3.0	-1.1	-2.2	-2.0	2.0	9.5
063005	Bathurst Agricultural Station	1.6	+1.8	0.2	4.0	0.0	0.8	3.5	3.8	2.0	2.5	-1.6	1.0		4.0	0.5	2.2	5.0	2.5	-2.0	0.2	-1.3		0.3	-2.8	-3.5	-3.5	-1.2	4.5
063254	Orange Agricultural Institute			3.0	7.0	2.0			0.7	-2.7	-0.7	0.6	1.7			0.9	4.1	1.9	-0.7	0.6			0.1	0.2	0.5	-0.5	0.5		
064008	Coonabarabran (Showgrounds)	2.0	+1.3	-1.3	1.8	2.0	-0.3	4.5	-1.5	-2.0	-1.5	-1.0	5.0	9.6	3.9	-1.5	1.5	0.5	3.0	-1.5	-1.4	-1.7	0.1	2.5	1.4	-0.5	-1.4	4.6	8.2
065070	Dubbo Airport AWS	3.1		3.4	7.4	0.4	1.8	2.4	-0.1	-1.5	3.4	5.0	6.1	9.1	6.2	2.0	2.6	-0.1	-2.1	-1.7	1.3	1.7	1.1	-1.1	4.0	1.4	1.4	7.7	10.3
066062	Sydney (Observatory Hill)	9.7	+1.3	8.3	11.1	11.0	9.1	9.1	8.3	9.8	11.1	8.7	9.9	11.2	9.6	8.8	10.1	11.0	9.7	11.0	9.8	8.2	9.7	8.1	7.1	7.3	8.5	9.6	10.0
067102	Richmond RAAF	5.1		1.6	3.5	6.6	3.3	0.2	0.6	4.4	8.9	4.1	6.0	9.9	9.5	4.3	6.9	10.4	4.2	7.8	4.6	0.6	5.5	0.0	1.2	0.7	1.7	4.4	7.1
068072	Nowra RAN Air Station AWS	7.9		4.8	7.4	3.6	7.4	9.2	7.3	6.7	9.3	5.0	7.1	8.5	6.0	7.4	9.9	10.3	8.8	10.2	8.6	7.9	9.4	5.9	3.8	7.2	6.9	4.8	11.6
068151	Jervis Bay (Point Perpendicular)	10.9		9.9	14.1	10.4	9.0	10.8	9.5	10.0	11.4	9.5	11.7	10.9	10.4	10.5	10.6	11.1	11.2	11.9	12.3	10.4	11.0	10.0	8.5	9.4	10.5	10.1	13.2
068241	Shellharbour Airport	7.4		4.3	4.4	2.2	9.7	10.3	6.6	4.8	6.9	3.1	6.7	8.4	4.3	5.5	10.1	11.3	10.3	11.3	8.5	3.5	9.4	8.1	1.9	3.5	4.6	4.8	11.4
069018	Moruya Heads Pilot Station	7.9	+2.1	6.0	10.5	8.5	6.1	7.7	5.3	6.8	7.3	5.5	7.9	6.7	9.0	10.0	9.6	10.5	10.2	6.4	7.6	7.7	8.5	5.9	5.5	8.4	6.0	6.1	9.3
070351	Canberra Airport	1.2		0.5	3.4	2.9	1.7	-0.4	0.4	-2.5	-2.3	-0.3	0.7	0.5	1.9	3.9	4.9	6.1	3.6	-0.6	-0.3	4.4	2.7	-3.3	-3.6	-3.1	-2.1	-3.3	2.4
071041	Thredbo Village	-2.6		-1.0	2.0	0.0	-3.5	-1.2	-4.0	-4.0	-5.5	-5.5	-2.5	1.5		0.0	0.0	0.0	-0.5	-5.2	-6.0	-5.0	-2.9	-3.0	-4.0	-7.5	-6.7	-5.5	-1.0
072150	Wagga Wagga AMO	2.9	+0.6	8.7	10.2	-0.8	2.1	4.4	1.4	2.1	2.0	2.1	6.8	6.0	5.2	3.9	1.6	-1.1	-1.8	-2.5	-0.2	4.8	1.1	0.0	-1.6	4.4	-1.4	1.7	7.7
072160	Albury Airport AWS	2.8		4.9	9.6	4.0	0.3	3.8	1.6	3.6	3.5	1.2	3.1	6.5	6.9	6.0	1.2	0.5	0.6	-0.2	-0.5	3.0	1.9	0.2	0.5	4.3	0.0	-0.3	5.2
072161	Cabramurra SMHEA AWS	0.6		1.2	2.1	-1.2	-4.7	-3.4	0.1	0.9	0.4	2.2	2.4	2.5	1.0	-0.6	-0.3	-0.6	-1.7	-0.8	1.9	1.0	-2.2	-2.4	0.9	0.3	2.0	3.1	2.6
074258	Deniliquin Airport AWS	2.0		6.7	7.6	2.5	0.1	2.7	1.9	1.5	2.8	1.5	5.9	6.4	6.3	5.0	3.2	-0.3	-0.6	-2.1	-1.4	3.6	2.3	0.8	-1.1	-2.3	-2.3	0.1	1.6
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
076031	Mildura Airport	3.0	-1.4	5.5	8.5	3.8	1.5	4.7	8.9	6.8	2.2	-1.4	0.6	5.9	-0.2	2.6	3.8	-0.5	-1.2	-1.2	3.0	5.5	2.6	4.0	0.7	-2.2	1.4	7.0	2.8
078015	Nhill Aerodrome	3.0		3.0	5.3	3.8	3.6	7.0	5.7	7.0	0.3	3.6	4.0	6.0	5.1	2.8	1.4	1.8	-0.9	0.7	3.8	3.9	2.7	5.4	5.8	1.2	-0.3	3.1	-0.9
080023	Kerang	3.1	-1.0	5.6	6.8	3.2	1.7	4.6	5.4	5.3	1.7	1.2	3.0	7.1	3.1	5.4		1.7	0.4	0.6	0.3	3.1	2.3	3.4	3.2	0.2	-0.5	2.0	1.8
081123	Bendigo Airport	2.7		4.2	7.0	3.3	3.1	5.1	1.9	2.3	0.4	1.9	2.3	6.7	6.5	8.3	7.8	4.9	-1.0	0.0	-2.1	1.6	-1.0	0.8	1.8	0.6	-2.7	2.2	1.8
082036	Rutherglen Research	0.9	-0.9	9.2	9.0	0.4	1.3	1.8	-0.3	1.8	-0.3	-0.7	3.3						-2.2	-2.7	-3.4	2.3	-0.4	-1.9	-1.9	-1.1	-2.5	-2.3	2.9
083085	Mount Hotham												-1.4	-0.4	-1.0	-1.5	-1.7	-3.1	-4.8	-5.0	-2.5	-1.7	-4.4	-4.2	-3.1	-2.3	-0.3	-0.7	-2.1
084016	Gabo Island Lighthouse	9.3	+0.8	8.7	11.4	7.9	8.3	9.5	10.5	10.7	7.7	7.8	8.5	8.2	9.9	10.7			11.5	10.2	8.0	9.8	10.0	10.0	10.9	9.6	5.4	7.6	9.5
084145	Orbost	6.5		6.4	9.1	4.2	5.3	8.5	7.9	9.7	2.6	3.5	5.4	6.8	7.5	8.6	9.7	7.8	7.5	7.3	1.9	5.8	6.3	7.4	7.8	7.8	0.8	-0.2	4.4
085072	East Sale	5.2	+2.2	2.2	6.5	4.3	3.7	7.2	7.7	7.3	2.5	-0.1	1.5	3.7	6.2	8.4	8.8	8.1	6.2	5.3	2.9	3.3	7.3	7.1	7.5	7.3	2.3	-0.9	2.4
085096	Promontory Wilsons	9.5	+1.0	10.4	9.6	7.2	7.1	10.0	10.1	10.4	9.2	9.0	10.1	10.3	9.5	11.5	10.0	9.0	9.5	9.9	9.0	9.7	7.6	9.3	9.1	9.2	8.3	7.7	9.5
087031	Laverton RAAF Breakwater	5.6	+0.8	9.5	8.1	6.7	5.1	7.6	5.3	8.7	1.9	4.2	7.5	4.4	7.8	9.5	8.5	8.0	1.6	0.7	1.4	8.7	5.1	2.6	6.1	7.4	4.0	1.0	3.0
087184	Geelong (Racecourse)	5.0		2.8	8.4	7.5	4.9	7.9	6.9	8.3	1.9	2.3	3.																

Daily and mean minimum temperatures for July 2020

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
091126 Devonport Airport	4.0		7.2	9.4	3.0	4.6	7.0	2.7	2.8	2.3	4.3	6.8	5.5	6.2	3.7	2.8	3.1	2.7	2.4	4.3	7.7	5.3	5.0	0.6	0.0	0.3	3.6	2.0
091293 Low Head	6.3		7.7	10.0	9.0	8.2	10.4	4.5	5.5	3.8	5.3	6.4	6.3	6.7	5.7	4.6	6.2	5.2	4.5	5.1	11.0	9.0	9.8	2.9	2.5	1.8	4.5	3.6
091311 Launceston Airport	1.1		4.0	7.9	1.5	0.9	3.1	0.6	0.5	-2.6	0.0	0.2	0.6	2.4	1.6	1.9	5.3	3.4	-2.5	0.8	5.2	0.9	0.4	-2.9	-2.1	-1.9	0.8	-1.6
092045 larapuna (Eddystone Point)											7.4	8.6	8.0	10.1	9.8	9.4	9.0	7.1	6.6	9.2	5.9	5.0	3.4	4.5	5.7	6.4	6.0	
093053 Ross (The Boulevards)	0.6		2.8	3.1	2.0	0.9	3.8	3.0	-1.7	-5.4	-3.8	1.9	-1.5	0.0	-0.5	0.9	5.5	5.0	0.0	0.2	5.6	4.5	2.4	-4.5	-2.7	-2.2	0.4	-3.7
094010 Cape Brumby Lighthouse	6.5	+0.3	6.7	7.8	6.2	6.2	9.2	8.8	6.7	3.4	4.6	5.0	6.0	6.9	4.3	4.8	5.9	6.6	4.3	4.8	5.5	6.3	6.2	8.8	8.0	8.4	8.4	6.4
094029 Hobart (Eilerslie Road)	4.6	0.0	3.3	5.1	6.2	6.1	8.7	7.9	3.8	0.5	2.0	2.1	2.1	4.4	3.3	3.3	5.8	4.6	2.7	2.4	3.3	6.6	6.0	5.0	5.1	3.1	5.7	4.5
094220 Grove (Research Station)	0.8		-0.3	0.4	2.0	3.1	5.0	5.0	1.3	-2.9	-0.9	-1.9	0.2	2.2	-0.3	-2.3	1.2	4.1	-2.1	-2.4	-0.3	4.6	2.1	0.9	-1.0	-2.1	1.5	-0.9
095003 Bushy Park (Bushy Park Estates)	1.2	-0.2	0.7	0.7	2.1	4.0	4.7	5.8	0.2	-3.1	-1.6	-0.7	-0.2	2.6	-1.0	-1.4	3.6	3.8	-1.9	-1.6	-0.1	4.4	2.9	6.4	0.5	-1.6	1.3	-0.8
096003 Butlers Gorge	-0.7	-0.1	-2.9	-0.4	0.3	0.7	4.7	4.2	-1.4	-2.6	-2.8	-3.7	-2.0	0.2	-1.4	-1.8	-1.8	-3.0	-1.5	-4.6	-1.8	1.1	1.5	2.2	1.8	-2.5	-2.2	-2.8
096033 Liawenee	-2.7		1.5	1.4	-2.0	-1.6	2.1	1.8	-4.9	-7.3	-4.4	0.5	-3.8	-1.1	-4.6	-7.5	-5.2	-2.5	-9.1	-4.6	2.1	-1.4	-1.4	-1.7	-1.1	-8.8	-4.0	-5.4
097072 Strahan Aerodrome	4.5		8.4	8.5	7.2	5.2	8.7	7.6	1.2	1.6	5.2	6.0	4.9	5.7	1.7	1.4	-0.5	-0.4	-1.2	2.7	8.5	6.7	5.9	7.2	5.3	6.0	5.0	3.0
097085 Mount Read	0.4		1.1	0.5	-1.7	-1.5	2.0	1.4		-1.4	0.6	0.8	1.9	2.0	1.2	0.1	1.5	-0.1	-0.2	-0.2	1.2	-1.5	-0.9	-0.3	0.2	-0.4	-0.5	0.9
098017 King Island Airport	5.8		6.4	8.7	7.4	7.5	9.6	9.6	7.0	1.4	5.4	5.8	7.5	3.3	2.8	2.5	7.0	2.8	-1.2	4.6	7.8	7.3	9.0	7.8	7.0	6.8	2.9	1.4
099005 Flinders Island Airport	6.5	+0.6	5.2	9.3	8.3	10.5	5.5	8.0	-0.5	2.7	2.5	2.9	0.8	8.3	9.1	7.4	8.8	2.7	6.0	8.0	8.2	9.8	10.0	9.3	8.1	-0.3	-0.1	

Mean is the average of the daily minimum temperature for July 2020; it is only shown if there are sufficient days available. Anom is the difference between the mean daily minimum temperature for July 2020 and the long-term average minimum temperature for July. Anomalies are only shown if they are not zero. The lowest and highest minimum temperature for each site for July 2020 is highlighted. Not all observations are shown here. Data from many more sites and for other times are available.

Daily and total rainfall for July 2020

Western Australia	Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
001019 Kalumburu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
002056 Kununurra Aero	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
003003 Broome Airport	0.2	2.5	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
003032 Derby Aero	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
004032 Port Hedland Airport	0.2	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	
004083 Karratha Aero	56.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.0	-	-	-	-	-	-	-	
004106 Marble Bar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
005007 Learmonth Airport	2.6	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	-	-	-	-	-	
006011 Carnarvon Airport	27.4	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.0	0.2	-	-	-	-	0.2	-	-	-	-	
006044 Denham	30.0	38	-	-	-	-	-	-	-	-	-	-	-	-	3.0	-	-	27.0	-	-	-	-	-	-	-	-	-	-	
007176 Newman Aero	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
007185 Paraburdoo Aero	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
007045 Meekatharra Airport	1.2	25	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	
007600 Mount Magnet Aero	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	
008296 Morawa Airport	21.6	0.4	-	-	-	-	-	0.2	-	-	-	-	-	-	-	2.8	0.4	-	17.6	-	-	-	0.2	-	-	-	-	-	
008297 Dalwallinu	29.2	3.2	0.2	-	-	-	-	-	0.2	0.4	-	-	-	-	-	-	0.8	-	23.6	0.4	-	0.2	-	-	-	-	-	-	
008315 Geraldton Airport	43.2	1.2	-	-	-	-	-	-	-	-	0.4	0.2	-	-	-	10.0	0.4	-	29.2	-	0.2	-	0.2	-	-	-	0.2	-	
009021 Perth Airport	70.0	158	4.2	0.2	-	-	-	2.8	3.8	4.0	0.2	0.2	-	-	1.6	21.2	0.6	0.4	12.0	3.4	0.4	-	-	-	-	1.0	-	3.6	
009131 Jurien Bay	25.6	1.0	0.2	-	-	-	-	»	»	»	»	»	5.4	-	-	4.4	-	1.2	»	12.2	»	0.8	-	-	-	0.4	-	-	
009225 Perth Metro	83.4	3.0	-	-	-	-	-	6.8	6.2	4.6	-	-	-	-	-	3.4	25.6	1.8	1.0	12.6	1.4	0.4	-	-	-	1.6	-	2.2	
009240 Bickley	132.2	6.8	0.2	0.2	-	-	-	5.8	10.0	5.6	-	0.4	-	-	2.8	39.2	0.6	2.0	20.8	9.6	0.8	-	0.2	-	4.4	0.2	-	2.2	
009518 Cape Leeuwin	138.8	191	2.0	0.4	-	-	-	17.4	13.6	7.4	2.4	0.6	-	-	10.4	10.4	3.4	5.6	7.2	0.8	-	1.0	0.2	-	19.6	-	-	14.4	
009617 Bridgetown	125.6	2.6	1.8	0.2	0.2	-	-	20.4	13.2	3.0	0.8	1.2	0.2	0.2	9.2	15.6	1.2	8.4	7.4	6.4	0.2	-	-	-	4.4	0.4	0.2	9.0	
009746 Witchcliffe	248.8	2.2	0.2	-	-	4.4	55.8	18.0	4.2	2.0	2.4	-	-	-	15.6	26.8	4.2	12.6	7.0	8.4	0.2	0.4	-	-	50.8	0.4	-	10.8	
009789 Esperance	92.2	6.6	1.0	0.4	-	-	-	16.4	5.4	2.2	-	-	-	-	9.6	3.4	1.4	-	0.2	6.4	-	28.0	16.0	8.2	3.6	-	0.8	-	1.0
009965 Bunbury	129.0	3.2	-	-	-	-	26.6	4.4	4.0	0.2	-	-	0.2	10.2	9.8	1.6	17.4	23.0	3.4	-	-	-	-	-	3.6	-	-	3.4	
009977 Mandurah	85.6	2.6	-	-	-	-	16.4	5.4	2.2	-	-	-	-	-	4.6	4.8	1.0	4.2	21.2	4.0	0.4	-	-	-	3.4	0.2	-	7.4	
009999 Albany Airport	99.2	4.6	-	2.0	-	-	1.0	5.6	6.2	5.6	0.6	-	-	-	9.8	8.0	-	2.4	14.8	5.2	0.2	-	-	-	3.4	13.6	-	4.6	
010007 Bencubbin	27.4	47	0.4	0.1	-	-	-	1.0	0.4	0.1	0.1	-	-	-	2.0	0.2	-	21.0	1.2	0.2	0.1	-	-	-	-	-	-	-	
010092 Merredin	35.9	44	2.6	-	-	-	-	0.5	1.2	-	0.2	-	-	-	4.0	-	-	-	25.2	0.8	-	-	-	-	1.0	-	-	-	
010286 Cunderdin Airfield	14.2	1.4	-	-	-	-	-	-	0.4	-	0.2	-	-	-	-	5.2	-	-	3.0	1.6	0.2	-	-	-	0.2	0.2	-	1.0	
010633 Ravensthorpe	34.1	45	0.4	-	-	-	-	0.2	3.0	1.4	1.3	-	-	-	-	6.6	0.2	-	11.0	2.0	1.4	3.2	-	-	0.2	0.4	-	-	
010911 Lake Grace	20.0	-	-	-	-	-	-	0.6	0.6	0.2	-	-	-	-	-	5.2	-	0.2	10.2	0.2	0.2	-	-	-	0.6	0.2	-	-	
010916 Katanning	53.8	1.0	0.2	-	-	-	0.2	1.4	2.6	0.4	0.4	0.2	0.4	2.8	11.8	0.4	-	13.4	2.4	0.2	-	0.2	-	-	5.0	1.6	-	1.4	
010917 Wandering	51.8	2.4	-	0.2	-	-	0.8	8.6	3.0	-	0.2	0.2	-	2.0	11.4	1.4	0.2	10.4	0.8	0.2	-	-	-	-	2.6	0.4	-	1.6	
011003 Eucla	8.6	30	-	-	-	0.2	0.4	-	-	-	0.8	1.2	1.8	0.2	-	-	0.2	-	-	-	-	0.2	2.4	0.2	-	0.4	-	0.2	
011052 Forrest	0.6	-	-	-	-	0.2	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
012036 Kalgoorlie-Boulder Airport	18.2	26	-	-	-	-	-	-	9.2	-	-	-	-	-	-	-	0.2	-	4.2	4.4	-	0.2	-	-	-	-	-	-	
012046 Leonora	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
012071 Salmon Gums Res.Stn.	38.0	37	1.2	0.8	0.2	-	-	-	4.6	-	0.8	2.0	-	0.2	-	-	-	1.2	-	18.6	2.2	5.2	0.6	-	-	0.2	-	-	
013011 Warburton Airfield	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	
013017 Meteorological Office	1.8	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	-	-	
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	
014015 Darwin Airport	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
014198 Jabiru Airport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
014932 Tindal RAAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
014508 Gove Airport	8.2	-	-	-	7.0	-	0.2	-	-	-	0.2	-	-	0.2	-	-	-	-	-	0.2	-	0.2	-	-	-	-	-	-	0.2
014723 Borroloola Airport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
014825 Victoria River Downs	-	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
015135 Tennant Creek Airport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
015590 Alice Springs Airport	0.8	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	0.2	-	-	-	-	-
015635 Yulara Airport	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	2.6	0.2	-	-	-	-	-
015666 Rabbit Flat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	
016001 Woomera Aerodrome	4.2	17	-	-	-	-	-	-	0.2	-	-	-	-	3.8	-	0.2	-	-</											

Daily and total rainfall for July 2020

Queensland	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
027045 Weipa Aero	1.4	-	-	-	0.8	0.2	-	0.2	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
028004 Palmerville	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
029063 Normanton Airport	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-
029077 Burketown Airport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
030124 Georgetown Airport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
031011 Cairns Aero	33.8	26	2.6	21.0	2.8	0.2	-	-	0.8	0.2	-	4.4	0.4	-	0.2	-	-	-	-	-	-	-	-	1.2	-	-	-	-
032040 Townsville Aero	15.0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.8	-	-	0.2
033119 Mackay M.O	37.6	48	3.6	-	-	0.2	-	-	-	1.4	5.4	3.6	2.6	-	0.2	-	-	-	-	-	-	-	-	1.6	18.6	-	-	0.4
034084 Charters Towers Airport	49.0	-	-	-	-	-	-	-	-	-	-	5.0	-	-	-	-	-	-	-	-	-	-	-	-	43.8	0.2	-	-
036007 Barcaldine Post Office	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
036031 Longreach Aero	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
037010 Camooweal Township	-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
038003 Boulia Airport	20.0	11	-	-	-	-	-	-	-	-	-	-	-	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
038026 Birdsville Airport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
039066 Gayndah Airport	32.8	-	-	-	-	1.0	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	24.0	1.4	-	-
039083 Rockhampton Aero	43.4	32	-	-	-	-	-	-	-	-	-	-	-	0.2	8.2	-	-	-	-	-	-	-	-	-	34.0	0.6	0.2	0.2
039128 Bundaberg Aero	24.2	49	-	-	0.2	-	-	-	-	-	-	-	0.8	0.2	6.2	-	-	-	-	-	-	-	-	-	11.2	2.4	0.6	0.8
040004 Amberley AMO	25.6	48	-	-	-	-	0.2	-	-	-	2.0	4.2	-	-	2.0	-	-	-	-	-	-	-	-	-	-	2.8	1.2	12.6
040043 Cape Moreton Lighthouse	136.6	125	2.2	0.2	-	-	-	-	-	4.8	12.2	0.2	3.0	0.2	11.4	0.2	-	-	-	-	-	-	-	2.8	1.0	55.6	11.2	27.0
040717 Coolangatta	146.2	-	-	-	-	0.2	-	-	-	-	19.2	8.6	0.8	0.2	0.4	-	-	-	-	-	-	-	-	-	-	13.0	28.6	67.6
040842 Brisbane Aero	68.8	-	-	-	-	0.2	-	-	-	-	9.4	2.2	4.8	0.2	6.0	0.2	-	-	-	-	-	-	-	-	-	4.8	7.2	31.8
040908 Tewantin RSL Park	131.6	-	-	-	0.2	-	-	-	-	-	25.2	7.8	9.4	0.2	18.6	-	-	-	-	-	-	-	0.2	-	4.4	10.4	22.8	27.4
042112 Miles Constance Street	28.2	-	-	-	-	3.0	-	-	-	-	-	-	-	18.2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6
043109 St George Airport	18.6	-	-	-	-	-	-	-	-	-	-	-	14.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8
044021 Charleville Aero	16.6	24	-	-	-	-	-	-	-	-	-	-	11.2	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
045025 Thargomindah Airport	57.6	-	-	-	-	-	-	-	-	-	-	4.6	52.6	0.2	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-

Total is the total precipitation for July 2020; a missing total indicates there is concern about the quality of some of the daily values. Avg is the long-term average total precipitation for July. Long-term average is only shown if there are sufficient years of climate record available. Reports of a reading was accumulated over more than one day, "*" is shown on the days that are part of the accumulation. Not all observations are shown here. Data from many more sites and for other times are available.

Daily and total rainfall for July 2020

New South Wales	Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
046043 Wilcannia (Reid St)	22.0	18	-	-	-	-	-	-	-	-	-	-	12.2	1.8	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-	
048027 Cobar MO	26.2	30	-	-	-	-	-	-	-	0.2	-	-	0.2	-	6.2	1.6	0.2	0.2	0.2	-	-	-	-	-	-	-	0.6	16.6	
048245 Bourke Airport AWS	6.0	-	-	-	-	-	-	-	-	-	-	-	3.8	-	0.2	-	-	-	-	-	-	-	-	-	-	0.2	1.0	-	
049000 Ivanhoe Aerodrome AWS	7.2	-	-	-	0.4	0.2	-	-	-	-	0.2	-	-	3.8	0.6	0.2	-	0.2	-	-	-	-	-	-	-	-	-	1.6	
050052 Condobolin Ag Research Stn	49.3	34	-	-	0.4	-	-	-	-	-	-	-	1.5	6.3	0.4	3.0	0.2	-	0.2	-	-	-	-	-	-	-	0.2	21.8	
052088 Walgett Airport AWS	53.6	-	-	-	-	-	-	-	-	-	-	-	29.4	0.2	0.2	0.4	0.2	-	0.2	-	-	-	-	-	0.2	-	1.4	21.4	
053115 Moree Aero	13.2	-	-	0.4	-	-	-	-	-	-	-	-	5.6	0.2	0.2	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	
054038 Narrabri Airport AWS	19.2	-	-	-	-	-	-	-	-	-	-	-	12.8	0.2	1.0	1.0	0.2	-	-	-	-	-	-	-	-	-	0.2	1.6	
055325 Tamworth Airport AWS	37.0	-	-	0.6	-	-	-	-	0.2	-	-	-	1.8	-	7.2	-	-	-	-	-	-	-	0.2	-	-	-	-	10.0	
056242 Inverell (Raglan St)	29.6	-	-	0.6	0.8	-	-	-	-	-	-	1.1	7.4	2.4	-	0.2	-	-	-	-	-	-	-	-	-	-	-	13.6	
057095 Tabulam (Muirne)	47.8	-	-	-	2.8	-	-	-	-	3.0	7.2	0.2	3.0	0.6	-	-	-	-	-	-	-	-	-	-	-	1.2	14.2	14.8	
058012 Yamba Pilot Station	208.8	85	-	0.2	-	5.0	-	-	-	1.2	12.0	0.2	-	0.6	0.8	-	0.2	-	-	-	-	0.2	-	0.8	-	24.2	55.4	70.0	
060139 Macquarie Airport AWS	99.2	-	-	-	3.2	0.4	-	-	-	0.2	0.4	0.2	-	0.4	0.2	1.2	5.2	-	-	-	-	0.2	-	-	-	-	0.2	69.6	
061078 Williamtown RAAF	242.6	62	-	0.2	-	1.6	-	-	-	4.0	-	-	0.6	1.8	17.0	24.6	4.0	-	-	7.8	-	-	-	-	-	-	-	23.4	1
061363 Scone Airport AWS	86.0	-	0.2	-	-	-	0.2	-	-	-	-	-	7.6	-	3.0	1.2	-	0.2	-	-	-	-	0.2	-	-	-	-	11.6	
062101 Mudgee Airport AWS	81.2	-	0.2	-	0.4	-	-	-	-	-	0.2	-	31.6	4.0	5.6	0.2	-	0.2	-	-	0.4	-	0.2	-	-	0.2	-	12.4	
063005 Bathurst Agricultural Station	56.9	45	-	0.4	-	2.2	0.1	-	-	-	-	-	3.6	3.0	2.4	2.8	-	-	-	-	-	-	-	-	-	0.2	-	4.8	
063254 Orange Agricultural Institute	68.4	89	0.2	1.0	2.0	»	»	4.4	0.2	0.2	0.2	-	»	»	13.4	1.2	-	-	-	»	»	0.4	-	-	-	0.2	»	»	
064008 Coonabarabran (Showgrounds)	77.4	53	-	-	0.1	-	-	-	-	-	-	-	7.4	41.6	0.6	0.2	3.0	-	-	-	-	-	-	-	-	-	0.2	19.9	
065070 Dubbo Airport AWS	82.2	-	0.2	0.6	-	0.2	-	-	0.2	-	-	6.4	27.6	4.0	3.6	5.4	-	0.2	-	0.2	-	0.2	-	0.2	-	-	1.6	17.6	
066062 Sydney Observatory Hill	183.0	56	-	0.2	-	1.2	-	0.2	-	8.8	-	-	4.0	0.4	4.4	17.6	14.6	-	0.2	0.8	0.2	-	-	-	-	-	-	5.6	
067105 Richmond RAAF	103.6	-	-	-	-	-	-	-	-	1.4	0.2	-	3.4	1.2	2.2	4.6	0.2	-	-	-	-	-	-	-	-	-	-	7.4	
068072 Nowra RAN Air Station	278.2	-	-	-	2.0	-	-	-	-	1.0	0.2	-	0.6	2.2	4.4	20.4	3.6	-	-	-	-	-	-	-	-	-	-	6.8	1
068151 Jervis Bay (Point Perpendicular)	243.2	-	-	-	3.0	-	-	-	-	13.6	0.2	-	0.6	0.2	9.0	28.6	11.2	2.6	2.6	1.2	-	-	-	-	-	1.2	-	17.4	
068241 Albion Park (Shellharbour Airport)	191.8	-	0.2	-	-	-	-	-	-	1.2	-	-	2.4	10.0	3.2	12.8	4.6	-	-	-	-	-	-	-	-	-	-	9.6	
069018 Moruya Heads Pilot Station	270.2	43	-	-	-	-	-	-	-	-	-	-	-	-	40.0	2.0	0.4	-	-	-	-	-	-	-	-	-	0.2	46.6	1
070351 Canberra Airport	33.4	-	1.6	-	0.6	-	0.2	-	-	-	0.2	-	-	2.4	8.6	0.2	-	-	-	-	-	-	-	-	-	-	-	9.2	
071041 Thredbo Village	196.7	-	3.2	28.4	5.5	8.0	1.0	-	-	-	-	2.0	»	»	28.0	22.0	1.0	4.0	0.5	-	0.3	6.8	-	-	-	-	-	7.4	
072150 Wagga Wagga AMO	26.0	55	-	0.2	0.2	3.4	-	0.2	-	-	0.2	-	-	3.8	5.8	0.2	-	-	-	0.2	-	-	-	0.2	-	0.4	-	1.0	
072166 Albury Airport AWS	30.6	-	0.2	1.2	0.4	9.4	-	0.2	0.2	-	0.2	-	2.6	5.4	8.2	0.4	0.2	-	-	0.2	-	0.4	-	-	0.2	-	0.2	0.2	
072161 Cabramurra SMHEA AWS	43.4	-	0.2	8.0	1.4	1.0	5.2	1.8	-	-	-	-	-	1.0	3.2	8.4	-	-	-	-	-	4.0	1.4	1.0	-	-	-	3.0	
073054 Wyalong Post Office	48.8	42	-	-	-	1.0	-	-	-	-	-	0.2	15.8	13.8	1.6	1.0	-	-	-	-	-	-	-	-	-	-	-	7.2	
074258 Deniliquin Airport AWS	16.6	-	0.2	-	3.4	0.2	-	0.2	-	0.2	-	0.2	1.2	3.8	5.8	0.2	-	0.2	0.2	-	-	-	0.2	-	-	0.2	0.2	0.2	
Victoria	Total	Avg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
076031 Mildura Airport	6.2	26	-	-	-	0.6	-	-	-	-	-	0.2	1.0	-	0.4	-	-	-	-	-	-	-	-	-	-	-	1.0	3.0	
077008 Birchip (Woodlands)	3.2	35	-	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
078015 Nhill Aerodrome	14.0	-	3.2	1.4	1.0	1.0	-	-	-	-	0.2	-	4.8	0.2	0.2	0.2	0.2	-	0.2	-	-	1.0	-	-	-	-	-	-	
080023 Kerang	10.4	39	-	1.4	-	6.2	0.2	-	-	-	-	-	0.2	0.2	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	
081123 Bendigo Airport	14.6	-	0.2	0.6	-	5.2	0.6	-	-	0.4	0.2	-	3.6	0.8	0.4	-	0.4	-	0.2	0.4	-	1.0	-	0.2	-	-	0.2	-	
082039 Rutherglen Research	15.8	69	-	1.4	0.8	11.8	-	0.2	0.4	0.2	-	-	-	-	-	-	-	-	-	-	-	0.2	-	0.2	0.2	0.2	-	-	
083085 Mount Hotham	-	-	-	19.8	8.6	4.4	1.2	1.2	-	-	-	-	6.8	3.0	6.4	1.2	0.2	-	-	-	-	3.8	0.2	-	-	-	-	-	
084016 Gabo Island Lighthouse	153.8	92	0.4	-	-	1.2	3.2	2.2	6.8	3.2	-	-	-	-	38.6	5.6	11.4	2.0	4.0	-	-	-	1.2	-	-	-	-	8.0	
084145 Orbost	117.2	-	1.2	0.4	-	6.0	-	0.4	-	0.2	-	-	10.4	11.4	14.6	8.6	4.6	5.4	0.8	-	0.8	-	-	-	-	-	-	0.2	
085072 East Sale	72.4	43	-	0.8	-	8.2	-	-	-	0.8	-	0.2	-	4.8	35.2	4.8	0.8	1.0	2.6	0.8	-	1.4	0.2	-	-	-	-	-	
085096 Wilsons Promontory Lighthouse	88.2	134	-	3.0	30.4	22.8	3.8	1.0	1.4	0.2	-	-	-	-	-	-	1.6	-	-	-	-	15.6	1.0	3.2	1.6	0.2	-	-	
087031 Laverton RAAF Breakwater	19.2	43	-	1.6	0.6	4.4	-	0.2	0.2	-	0.2	-	0.4	7.4	0.2	-	0.2	-	0.2	-	-	1.8	0.2	0.2	1.2	-	-	-	
087184 Geelong (Racecourse)	18.8	-	3.0	0.2	7.2	0.2	0.4	0.4	0.6	0.2	-	-	0.4	-	-	-	0.4	-	0.2	-	-	3.2	-	-	1.8	-	-	-	
089002 Ballarat Aerodrome	41.8	67	0.2	2.2	0.2	4.8	4.0	1.0	0.4	-	0.2	0.4	0.2	18.2	-	-	-	0.4	-	-	-	3.2	2.2	0.8	-	0.2	-	0.2	
090015 Cape Otway Lighthouse	59.8	122	-	6.2	20.8	12.0	1.4	1.4	1.6	0.2	0.2	-	-	-	-	-	0.4	-	-	-	-	11.4	1.2	1.4	0.8	-	-	-	

Total is the total precipitation for July 2020; a missing total indicates there is concern about the quality of some of the daily values. Avg is the long-term average total precipitation for July. Long-term average is only shown if there are sufficient years of climate record available. Reports of a reading was accumulated over more than one day, "»" is shown on the days that are part of the accumulation. Not all observations are shown here. Data from many more sites and for other times are available.

Daily and total rainfall for July 2020

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
091126 Devonport Airport	28.9	105	-	14.8	0.3	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	1.6	0.4	4.2	-	-	-	-	-	-
091293 Low Head	25.4	-	-	9.0	0.4	-	-	-	-	-	2.6	0.2	-	0.2	-	-	-	-	-	0.2	-	4.4	0.2	-	0.2	-	-	-
091311 Launceston Airport	27.0	-	-	11.4	-	-	-	-	-	-	1.8	-	-	-	0.2	-	-	-	-	-	1.0	8.8	-	0.2	0.2	-	-	0.2
092045 larapuna (Eddystone Point)	18.0	91	0.2	2.0	3.0	-	-	-	-	-	-	-	-	-	0.4	1.0	1.8	2.6	1.6	-	-	1.4	0.2	-	0.2	-	-	-
093053 Ross (The Boulevards)	25.4	-	-	11.4	0.4	-	-	-	2.2	-	1.0	0.2	-	-	-	-	-	-	-	-	-	6.8	-	-	0.2	-	0.2	-
094010 Cape Bruny Lighthouse	39.8	116	-	3.2	1.6	6.4	4.4	2.2	1.6	-	-	-	-	3.6	0.4	-	-	0.4	-	-	0.4	8.8	4.2	-	-	-	-	-
094029 Hobart (Eilerslie Road)	11.6	60	-	5.0	-	-	-	-	2.8	0.2	-	-	-	0.8	1.0	0.2	-	-	-	-	-	1.2	0.2	-	-	-	-	-
094220 (Research Station) Grove	18.0	-	-	3.2	»	0.4	-	-	1.2	-	-	0.4	-	0.4	0.4	0.2	-	-	-	0.2	-	6.6	0.4	-	-	-	-	-
095003 Bushy Park (Bushy Park Estates)	16.8	61	-	6.2	1.2	-	0.2	-	-	-	0.2	0.2	-	-	0.4	-	-	-	-	-	-	7.6	0.6	-	-	-	-	-
096003 Butlers Gorge	89.4	176	0.4	8.8	27.0	8.8	3.2	1.2	2.2	0.4	-	-	0.2	0.6	-	-	0.2	-	0.2	-	1.2	21.6	7.8	0.6	0.4	0.2	-	-
096033 Liavenee	43.8	-	0.2	30.8	0.2	-	-	-	0.6	-	-	0.2	-	-	-	-	-	-	-	-	0.8	10.6	0.4	-	-	-	-	-
097072 Strahan Aerodrome	85.0	-	-	13.0	7.6	10.6	4.4	4.0	0.8	-	-	-	0.2	-	0.2	-	-	-	0.2	-	2.8	17.4	4.0	2.8	4.0	3.8	-	0.2
097085 Mount Read	205.0	-	0.2	22.0	11.6	50.2	13.8	-	1.0	1.2	0.2	0.2	1.0	0.2	0.4	-	0.2	0.4	0.4	11.6	15.6	38.4	-	8.0	4.0	2.4	-	-
098017 King Island Airport	36.4	-	-	7.8	3.8	1.8	1.2	0.6	-	-	0.2	-	0.4	-	0.2	-	-	-	-	0.2	0.6	15.8	1.2	1.4	0.2	0.4	-	-
099005 Flinders Island Airport	23.4	94	-	11.2	-	0.2	-	-	0.2	0.2	-	-	0.2	0.2	-	-	-	2.0	0.2	-	-	7.4	-	-	-	-	-	-

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