



SIGNIFICANT WEATHER – January 2008

SUMMARY

An offshore low pressure system, combined with an upper trough over southeast Queensland, produced record high January daily rainfall totals for a number of locations.

Ex-tropical cyclone *Helen* which formed at the beginning of the month followed a long track from the southeastern Gulf of Carpentaria then down through the centre of Queensland, bringing flooding rains to large areas of the state. Major flooding was also reported in the Northern Territory as a result of ex-tropical cyclone *Helen*.

Thunderstorms were reported in all states and numerous bushfires occurred in Tasmania in hot and windy conditions.

TROPICAL CYCLONES

Northern Territory

Tropical Cyclone *Helen* formed in the Joseph Bonaparte Gulf at 11 am on the 4th, approximately 380 kilometres west-southwest of Darwin. *Helen* moved steadily east during the day, intensifying into a Category 2 cyclone before crossing the coast near Channel Point late on the 4th.

THUNDERSTORMS/TORNADOES

Queensland

On the 4th a low pressure system moved inland over the Gold Coast bringing widespread heavy rainfall with embedded thunderstorms. Flooding occurred over much of the Gold Coast hinterland and filled the Hinze Dam to one hundred per cent capacity. Falls included: O'Reilly's 134mm, Darlington 121mm, Beechmont 101mm, Binna Burra 109mm, Lower Springbrook 106mm, Tallebudgera Creek Dam 107mm, Tomewin 122mm and Foxley 104mm. Elsewhere isolated thunderstorms in the tropics brought 61mm in 1 hour at Gleneagle on the Herbert River.

Isolated thunderstorms on the 5th in the west of the state brought damaging wind gusts of 96km/h at Hughenden.

On the 6th severe thunderstorms moved through southeast Queensland with reports of flash flooding

at Alderley, in Brisbane's northwest. Rainfall totals of between 88mm and 93mm in 20 minutes were recorded in Kelvin Grove with flash flooding in the local park. Fig Tree Pocket also recorded a total of 66mm in 30 minutes.

Isolated thunderstorms about the southeast brought rainfall of 38mm in 30 minutes at Mt Brigalow on the 7th.

On the 8th monsoon activity increased over the north of the state bringing a fall of 122mm in 2 hours at Copperlode Dam.

Further monsoon activity brought severe thunderstorms with falls of 116mm in 2 hours on the 9th at Bilwon and 77mm in 20 minutes at Euramo.

On the 11th there was a fall of 37mm in 20 minutes at Blenheim in the Lower Burdekin catchment, associated with thunderstorms in the monsoon trough.

On the 13th monsoon activity associated with ex-tropical cyclone *Helen* brought flash flooding south of Townsville, causing highway closures. Highest rainfall recorded was 143mm in 2 hours at Giru and 80mm in 1 hour at Mysterton.

Monsoon activity continued with ex tropical cyclone *Helen* moving further inland on the 14th. Gleasons Mill on the Ross River recorded 110mm in 2 hours.

On the 15th as ex tropical cyclone *Helen* moved south over the Herbert and Burdekin highlands, it intensified, giving sustained winds of 96km/h at Charters Towers at 3pm. Elsewhere Sutherland on the Burdekin River recorded 101mm in 2 hours and Stonewall on the Burdekin River recorded 73mm.

Widespread rain and thunderstorms caused by the monsoon trough brought 51mm in 30 minutes at Hannaville on the Pioneer River on the 17th.

On the 20th the Pioneer River catchment saw heavy rainfall with Greenmount recording 111mm in 2 hours and Bakers Creek recording 88mm in 1 hour. Elsewhere, thunderstorms in the state's west brought severe wind gusts of 89km/h to Julia Creek at 4pm.

A southerly wind change triggered showers and thunderstorms in the southeast with Stokes Crossing recording rainfall totals of 79mm in 1 hour on the 21st.

Scattered thunderstorms formed in the southern interior with a severe thunderstorm passing through

Quilpie at around 6pm on the 25th. There were reports of large trees blown down, roofs blown off houses and garage doors damaged, along with 20mm of rain and hail to 1cm in diameter.

On the 30th isolated thunderstorms along the east coast brought heavy rainfall of 114mm in 2 hours at Homebush on the Pioneer River.

New South Wales

On the 2nd at Batlow (South West Slopes) large hail and heavy rain occurred with 25mm of rain recorded in 30 minutes. There were millions of dollars worth of damage to apple plantations after hail nets were shredded.

On the 4th at Murwillumbah (Northern Rivers) very heavy rain caused extensive flooding. Tweed catchment recorded falls of 170mm in 2 hours. The highest 24 hour fall of 347mm was recorded at Limpinwood (to 9am on the 5th). Tweed Valley and Kyogle were declared natural disaster zones with millions of dollars damage to infrastructure.

On the 6th at Moree two tornadoes were observed northwest of Moree with very heavy rain. At Long Flat west of Port Macquarie a thunderstorm with heavy rain, 66mm in 2 hours was recorded. At Wittittrin (Mid-North Coast) a thunderstorm with heavy rain produced 24mm in 30 minutes. At Inverell (Northern Rivers) 61mm of rain was recorded in 45 minutes. Flash flooding was reported in the area.

On the 12th at Carrick (Southern Tablelands) there was considerable damage to rural area 15 kilometres northeast of Goulburn. Windows were broken and large trees were uprooted. At Lithgow a thunderstorm with hail and heavy rain (30mm in 20 minutes) caused minor damage.

On the 13th in the Penrith area (Western Sydney) a thunderstorm with 2cm hail and wind gusts up to 102 km/h caused much damage.

On the 16th at Cooma (Southern Tablelands) a thunderstorm with heavy rain (32mm in 1 hour) caused local flash flooding. At Dubbo a thunderstorm with heavy rain (38mm in 30 minutes) occurred. In Western Sydney a thunderstorm with 2cm hail and wind gusts estimated at 100 km/h occurred in St Marys and Rooty Hill.

In Sydney, a thunderstorm with heavy rain and local flooding in southeast suburbs, especially in Turella and Wollli Creek occurred on the 20th. Two people died when trapped in a storm water drain at Maroubra. Little Bay recorded 23mm of rain in 30 minutes.

At Katoomba a thunderstorm with heavy rain and golf ball sized hail occurred on the 29th.

On the 30th at Michelago, a thunderstorm with hail 4cm in diameter occurred just north of the town with

rainfall of 41mm occurring in approximately 20 minutes. Flash flooding flattened fences.

On the 31st at Wollongong a thunderstorm with heavy rain occurred at Balgownie; 30mm in 15 minutes was produced at Bellambi. In Sydney, a thunderstorm with 2cm hail occurred at Sydney Olympic Park and Panania. Heavy rain was produced at Turramurra, Woodville, Box Hill and Blacktown. High winds brought down trees and caused power outages. Flooding occurred at Moorebank. The highest rainfall to 9am on the 1st of February was 79mm at Turramurra. At Cobar thunderstorms with heavy rain caused flash flooding. The highest intensity was 46mm in 30 minutes. The 24 hour rainfall of 102.2mm was the highest daily rainfall on record for January.

Victoria

On the 11th there was damage to vegetation from a thunderstorm through a 6 kilometre long strip at Murchison East.

On the 16th, Horsham recorded 16mm of rain in 15 minutes during a thunderstorm. At Ararat 18mm of rain was recorded in 30 minutes with flash flooding.

South Australia

On the 18th, thunderstorms resulted in heavy rain in suburban Adelaide with 20mm in 30 minutes at Parafield and Burnside and 27mm recorded in 30 minutes at Paralowie causing local flooding.

A thunderstorm resulted in a 100 km/h wind gust at Marree on the 26th. No damage was reported.

Western Australia

On the 4th a thunderstorm formed to the west of Varanus Island, off the Pilbara coast and produced a wind gust of 91 km/h.

On the 8th severe thunderstorms were reported in the South Coastal, Great Southern and Gascoyne districts of Western Australia. Hail to 3cm in diameter was reported in Mount Barker together with some minor damage. Lake Grace reported a wind gust of 91 km/h and Mount Magnet Aerodrome reported a wind gust of 91 km/h.

On the 13th a squall line produced a wind gust of 113 km/h at Argyle Aerodrome. Kununurra Airport reported 11.8mm of rain in 10 minutes and Fitzroy Crossing Airport reported 46.8mm in 34 minutes.

On the 30th a thunderstorm at the Hope Downs Minesite in the Pilbara produced a total of 109mm in two hours.

Northern Territory

A squall line affected the area near Katherine during the evening of the 6th, with reports of trees uprooted and snapped.

A fast-moving squall line passed over the Cox Peninsula during the early hours of the morning on the 9th. There were no reports of damage.

Early on the 13th, a mass of thunderstorms converged over Darwin producing very heavy rainfall and flash flooding, 211 mm was recorded at Darwin Airport between 3 and 5 am, which is a 1 in 100 year event. The 24-hour rainfall total for Darwin Airport was 242mm, with several nearby observations recording over 150 mm.

A severe thunderstorm produced a 94 km/h wind gust at Borroloola on the 14th. Thunderstorms affected the area again the next day, with a 98 km/h wind gust measured at Centre Island.

Late on the 18th, a mass of thunderstorms formed in the northern Victoria River District. Four wind gusts of 91 km/h were recorded at Delamere in one thunderstorm, with another producing small hail which damaged trees and infrastructure at Timber Creek.

A multi-cellular thunderstorm produced two 111 km/h wind gusts at McArthur River Mine during the evening of the 20th.

WIND

Other wind gusts associated with thunderstorms are listed above.

Queensland

Winds greater than 90 km/h were reported on:

- 1st Cape Moreton Lighthouse 94 km/h
Double Island Point Lighthouse 96 km/h
- 2nd Cape Moreton Lighthouse 91 km/h
- 3rd Double Island Point Lighthouse 94 km/h
- 5th Hughenden Airport 96 km/h

New South Wales

Winds greater than 90 km/h were reported on:

- 3rd Cape Byron 94 km/h
- 11th Montague Island 94 km/h
Deniliquin Airport 91 km/h
- 13th Penrith Lakes 102 km/h
- 29th Coonabarabran A/P 93 km/h
- 31st Tamworth A/P 93 km/h
Holsworthy 96 km/h

Victoria

Winds greater than 90 km/h were reported on:

- 06th Wilsons Promontory 94 km/h
- 11th Grampian 93 km/h, Colac 91 km/h
Wilsons Promontory 91 km/h
Yarrawonga 102 km/h
- 13th Wilsons Promontory 91 km/h

Tasmania

Gales and strong gusts on the 11th caused a spate of minor damage, bringing down tree branches and power lines across Tasmania, including in and around Hobart.

Strong winds and large seas caused problems for small vessels through the month, including a boat driven aground near Binnalong Bay on the 6th.

On the 29th a man was rescued after being washed from his kayak near Conical Rocks and a dinghy was swamped near Betsy Island.

Winds greater than 90 km/h were reported on:

- 4th Tasman Island 93 km/h
- 6th Maatsuyker Island 94 km/h
Hogan Island 91 km/h
- 7th Maatsuyker Island 93 km/h
- 11th Mount Wellington 141 km/h
Maatsuyker Island 128 km/h
Droughty Hill 124 km/h
Scotts Peak Dam 115 km/h
Hartz Mountain 109 km/h
Cape Bruny 107 km/h
Maria Island 106 km/h,
Mount Read 102 km/h, Hobart 98 km/h
Cape Grim 96 km/h, Tasman Island 93 km/h
Bushy Park 91 km/h, Hogan Island 91 km/h
- 13th Maatsuyker Island 133 km/h
Mount Wellington 131 km/h
Cape Grim 119 km/h
Scotts Peak Dam 117 km/h
Droughty Hill 107 km/h
Hartz Mountain 104 km/h
Maria Island 98 km/h, Mount Read 94 km/h
Tasman Island 93 km/h
Hogan Island 93 km/h, Tunnack 91 km/h
Cape Bruny 91 km/h
Eddystone Point 91 km/h
- 14th Maatsuyker Island 96 km/h
- 16th Hartz Mountain 98 km/h
Tasman Island 91 km/h
- 20th Cape Grim 100 km/h
Mount Wellington 93 km/h
Eddystone Point 91 km/h
Maria Island 91 km/h
- 27th Mount Wellington 106 km/h
Maatsuyker Island 98 km/h
Cape Grim 94 km/h, Hogan Island 93 km/h
Droughty Hill 91 km/h

Western Australia

On the 22nd Fitzroy Crossing Airport recorded a wind gust of 104km/h.

FLOODING

Northern Territory

Katherine River Catchment:

Nitmiluk Centre

There was Moderate flooding, reaching 5.77 metres, at Nitmiluk Centre on the 8th. The town of Katherine was not threatened.

Daly River Catchment:

Cullen River

There was major flooding in the Cullen River, which peaked at 7.0 metres on the 5th. This flooding closed the Stuart Highway for about a day.

Fergusson River

There was major flooding in the Fergusson River, which peaked at 14.45 metres on the 6th before falling quickly.

Dorisvale Crossing

There was moderate flooding at the Dorisvale Crossing, which peaked at 16.9 metres on the 7th. The river level then fell slowly, reaching minor flood level (13.0 metres) on the 12th.

Douglas River

There was major flooding in the Douglas River, which peaked at 9.48 metres on the 5th, before falling quickly.

Beeboom Crossing

There was moderate flooding at Beeboom Crossing, beginning on the 5th and reaching a peak of 15.75 metres on the 6th. The river remained above minor flood level until the 14th.

Mount Nancar

There was moderate flooding at Mount Nancar, beginning on the 5th and reached a peak of 14.69 metres about midnight on the 8th. The river level did not fall below minor flood level (12 metres) until the 17th.

Daly River Police Station

There was minor flooding at the Daly River Police Station, beginning on the 5th, which reached a peak of 12.7 metres on the 9th. The river stayed steady about this level for three days, before falling below flood level (11.5 metres) on the 26th. The Nauiyu Nambiyu (Daly River) community was cut-off for most of the month.

Roper River Catchment:

Waterhouse River at Beswick

There was major flooding in the Waterhouse River, which began rising on the 5th and flooded the

Beswick community, before peaking at 8.42 metres on the 6th. The river level had fallen below the Central Arnhem Road Bridge level (6 metres) early on the 8th.

BUSHFIRES

Tasmania

Numerous fires were reported across the state, with a particular peak in activity from the 9th to the 11th in hot and windy conditions.

Some large fires were reported near Glendevie in the south around the 6th where 150 hectares were destroyed including some buildings.

Fires from the 11th at Conningham in the southeast burnt over 750 hectares.

On the 13th at Goshen in the northeast over 800 hectares was burnt.

At Rocherlea near Launceston over 300 hectares was burnt around the 14th.

On the 16th and 17th over 2,600 hectares was burnt. Damage included three pine plantations, damage to fencing and sheds as well as the destruction of four vehicles at Bellingham in the north.

DUST STORMS

Queensland

Dust storms were reported at Urandangie on the 7th, 8th and 13th.

TEMPERATURE

Highest Mean Maximum Temperature for January

| Station | Actual °C | Previous Highest °C | Year | Years of Record |
|---------------------------|-----------|---------------------|------|-----------------|
| Western Australia | | | | |
| Meekatharra A/P | 42.1 | 40.9 | 1998 | 58 |
| Telfer Aero | 43.7 | 43.1 | 2005 | 34 |
| Yeelirrie | 41.3 | 40.4 | 2004 | 35 |
| Northern Territory | | | | |
| Tennant Creek Airport | 40.4 | 40.2 | 1971 | 38 |
| Yuendumu | 40.6 | 39.2 | 1994 | 37 |
| Yulara Aero AWS | 40.7 | 40.4 | 2006 | 20 |

Lowest Mean Maximum Temperature for January

| Station | Actual °C | Previous Lowest °C | Year | Years of Record |
|--------------------|-----------|--------------------|------|-----------------|
| Queensland | | | | |
| Injune Post Office | 29.7 | 30.1 | 1974 | 41 |

Highest Mean Minimum Temperature for January

| Station | Actual °C | Previous Highest °C | Year | Years of Record |
|---------------------------|-----------|---------------------|------|-----------------|
| Victoria | | | | |
| Essendon Airport | 16.0 | 15.6 | 2007 | 39 |
| Tasmania | | | | |
| Orford (Aubin Court) | 13.4 | 13.3 | 1988 | 40 |
| Bicheno (Council Depot) | 14.3 | 14.0 | 2001 | 33 |
| Western Australia | | | | |
| Mardie | 27.4 | 26.7 | 2003 | 52 |
| Meekatharra A/P | 27.3 | 26.0 | 1999 | 58 |
| Narembeen | 18.2 | 18.0 | 1978 | 39 |
| Port Hedland A/P | 27.2 | 26.7 | 2005 | 60 |
| Yeelirrie | 25.4 | 24.5 | 1979 | 35 |
| Northern Territory | | | | |
| McArthur River Mine | 26.2 | 26.0 | 1988 | 27 |

Highest Daily Maximum Temperature for January

| Station | Actual °C | Date | Previous Highest °C | Year | Years of Record |
|--------------------------|-----------|------|---------------------|------|-----------------|
| Western Australia | | | | | |
| Gascoyne Junction | 48.3 | 04 | 47.4 | 2005 | 31 |
| Hyden | 46.4 | 03 | 46.2 | 1997 | 34 |
| Meekatharra A/P | 45.7 | 05 | 45.4 | 1995 | 58 |
| Narembeen | 45.8 | 03 | 45.0 | 1982 | 40 |
| Onslow | 49.2 | 11 | 48.0 | 2003 | 48 |
| Onslow A/P | 48.9 | 11 | 48.7 | 2003 | 42 |
| Port Hedland | 49.0 | 11 | 47.5 | 1973 | 60 |
| Roebourne | 49.0 | 11 | 48.4 | 2003 | 52 |
| Telfer Aero | 48.1 | 10 | 47.4 | 1981 | 34 |

Lowest Daily Maximum Temperature for January

| Station | Actual °C | Date | Previous Lowest °C | Year | Years of Record |
|--------------------|-----------|------|--------------------|------|-----------------|
| Queensland | | | | | |
| Injune Post Office | 21.7 | 11 | 21.8 | 1999 | 41 |

Highest Daily Minimum for any Month

| Station | Actual °C | Date | Previous Highest °C | Year | Years of Record |
|------------------------|-----------|------|---------------------|---------|-----------------|
| Victoria | | | | | |
| Horsham Polkemmet Rd | 29.2 | 01 | 28.2 | 12/1998 | 52 |
| New South Wales | | | | | |
| Balranald | 30.2 | 11 | 29.5 | 03/1983 | 43 |
| Tocumwal | 30.7 | 11 | 28.2 | 12/1998 | 38 |

Highest Daily Minimum for January

| Station | Actual °C | Date | Previous Highest °C | Year | Years of Record |
|--------------------------|-----------|------|---------------------|------|-----------------|
| Victoria | | | | | |
| Walpeup Research | 29.0 | 11 | 28.9 | 2001 | 43 |
| New South Wales | | | | | |
| Balranald | 30.2 | 11 | 29.2 | 2003 | 43 |
| Tocumwal | 30.7 | 11 | 29.7 | 2001 | 38 |
| Western Australia | | | | | |
| Badgingarra RS | 28.0 | 03 | 27.5 | 1981 | 40 |
| Telfer Aero | 32.5 | 11 | 32.3 | 2003 | 34 |
| Roebourne | 32.6 | 11 | 32.4 | 1999 | 52 |

Lowest Daily Minimum for January

| Station | Actual °C | Date | Previous Lowest °C | Year | Years of Record |
|-------------------------|-----------|------|--------------------|------|-----------------|
| Queensland | | | | | |
| Toorak Research Station | 12.0 | 10 | 13.5 | 1970 | 31 |
| New South Wales | | | | | |
| Thredbo Village | -4.5 | 22 | -4.4 | 1987 | 39 |

RAINFALL

Highest Monthly Rainfall on Record for any Month

| Station | Actual mm | Previous Highest mm | Year | Years of Record |
|------------------------|-----------|---------------------|---------|-----------------|
| Queensland | | | | |
| Peakvale Station | 501.2 | 411.2 | 01/1974 | 77 |
| New South Wales | | | | |
| Lillian Rock | 755.2 | 741.1 | 06/1967 | 45 |

Highest Monthly Rainfall on Record for January

| Station | Actual mm | Previous Highest mm | Year | Years of Record |
|------------------------|-----------|---------------------|------|-----------------|
| Queensland | | | | |
| Carfax | 307.4 | 294.1 | 1974 | 46 |
| Wharton Creek Station | 310.2 | 305.3 | 1984 | 61 |
| Darlington | 527.6 | 299.2 | 2004 | 32 |
| Charleville Aero | 266.8 | 235.0 | 1954 | 65 |
| New South Wales | | | | |
| Old Koreelah | 343.2 | 320.7 | 1947 | 96 |
| Bentley | 448.0 | 346.0 | 2006 | 44 |
| Green Pigeon | 819.2 | 743.6 | 1974 | 43 |
| Grevillia | 502.8 | 372.0 | 1974 | 43 |
| Lillian Rock | 755.2 | 721.2 | 1974 | 45 |

Lowest Monthly Rainfall on Record for January

| Station | Actual mm | Previous Lowest mm | Year | Years of Record |
|--|-----------|--------------------|------|-----------------|
| Tasmania | | | | |
| Cape Bruny | 6.8 | 10.4 | 1999 | 138 |
| Lighthouse Bushy Park (Bushy Park Estates) | 3.0 | 5.3 | 1878 | 135 |
| Hobart (Ellerslie Road) | 3.0 | 4.4 | 1958 | 127 |
| Sandford (Maydena) | 3.2 | 3.3 | 1958 | 117 |
| Mangalore (Mangalore Farm) | 3.4 | 3.6 | 1958 | 106 |
| Mount Wellington (The Springs) | 18.4 | 19.2 | 1932 | 105 |
| Ouse (Millbrook) | 4.2 | 4.4 | 1920 | 97 |
| Lunawanna | 4.4 | 6.8 | 1999 | 96 |
| Osterley | 6.2 | 8.2 | 1999 | 95 |
| Bream Creek (Stroud) | 8.0 | 9.1 | 1932 | 89 |
| Killora (Grasmere) | 2.6 | 4.8 | 1915 | 89 |
| Richmond (Lowlands) | 4.4 | 7.1 | 1932 | 81 |
| Middleton Post Office | 9.2 | 9.8 | 1974 | 80 |
| Opossum Bay | 1.6 | 7.2 | 1932 | 76 |
| City of Melbourne Bay | 5.4 | 6.4 | 1939 | 74 |
| Tarraleah Village | 13.2 | 16.9 | 1954 | 72 |
| Harwell | 10.8 | 11.6 | 1974 | 68 |
| Fort Direction | 0.2 | 3.1 | 1958 | 58 |
| Glenorchy (Glenorchy Reservoir) | 3.8 | 5.9 | 1958 | 56 |
| Grove (Comparison) | 5.2 | 9.2 | 1999 | 56 |
| Redpa (Greenes Road) | 8.0 | 14.2 | 1954 | 56 |
| Moina | 5.0 | 12.3 | 1920 | 52 |
| Arve Valley (Arve Road) | 15.2 | 25.8 | 1988 | 51 |

| | | | | |
|-------------------------------------|------|------|------|----|
| Hobart Airport | 2.8 | 7.2 | 1980 | 50 |
| Lake Echo Power Station | 8.6 | 19.6 | 2003 | 49 |
| Snug Plains (Cataract Falls) | 8.6 | 13.8 | 1974 | 48 |
| Hobart (Strickland Reserve) | 5.2 | 12.0 | 1974 | 43 |
| Taroona (Taroona Crescent) | 3.6 | 9.2 | 1974 | 43 |
| Togari (Renison Road) | 8.2 | 16.2 | 1999 | 42 |
| Ellendale Post Office | 5.8 | 8.4 | 1939 | 41 |
| Copping | 11.8 | 17.8 | 2001 | 40 |
| Elderslie South (Staples Sugarloaf) | 4.6 | 7.4 | 1999 | 40 |
| Margate (Sunnyside) | 4.6 | 11.2 | 1974 | 40 |
| Penguin (Ironcliff Road) | 10.2 | 12.6 | 1990 | 40 |
| Huonville (Tutton Avenue) | 6.6 | 9.6 | 1999 | 39 |
| Marawah | 7.2 | 13.8 | 1999 | 38 |
| Tahune Reserve | 19.2 | 27.4 | 2001 | 38 |
| Woolmoor (Macquarie River) | 5.2 | 9.8 | 1990 | 37 |
| Zeehan (West Coast Pioneers Museum) | 26.8 | 47.0 | 1999 | 37 |
| Orielton (East Orielton Road) | 8.6 | 13.2 | 2003 | 36 |
| King Island Airport | 8.6 | 10.6 | 1976 | 34 |
| Liena Road Bridge (Mersey River) | 2.6 | 11.4 | 1966 | 34 |
| Longley (Telopea) | 5.7 | 18.0 | 2001 | 33 |
| Westbury (Birrallee Road) | 8.3 | 10.8 | 1990 | 31 |
| Lucaston (Bakers Creek Road) | 6.0 | 11.0 | 1999 | 30 |
| Northern Territory | | | | |
| Timber Creek | 71.2 | 87.0 | 1985 | 25 |

Highest Daily Rainfall on Record for Any Month

| Station | Actual mm | Date | Previous Highest mm | Year | Years of Record |
|-----------------------------|-----------|------|---------------------|---------|-----------------|
| Queensland | | | | | |
| Anakie Richardson St | 313.5 | 17 | 171.5 | 01/1958 | 112 |
| Peakvale Station | 205.4 | 17 | 120.7 | 01/1953 | 77 |
| Eastmere | 223.0 | 17 | 160.0 | 01/1977 | 38 |
| Albro Station | 171.4 | 17 | 113.0 | 01/1975 | 31 |
| Listowel Downs | 219.2 | 18 | 133.6 | 01/1963 | 129 |
| Victoria | | | | | |
| Kanumbra (Brilliant Estate) | 84.4 | 20 | 83.6 | 02/2005 | 40 |

Highest Daily Rainfall on Record for January

| Station | Actual mm | Date | Previous Highest mm | Year | Years of Record |
|--------------------------------|-----------|------|---------------------|------------|-----------------|
| Queensland | | | | | |
| Heathlands Nat Park | 153.4 | 08 | 150.0 | 1979 | 34 |
| Alpha Post Office | 162.4 | 17 | 126.5 | 1956 | 121 |
| Mantuan Downs | 162.0 | 19 | 155.2 | 1956 | 113 |
| Gue | 76.0 | 14 | 55.2 | 2005 | 68 |
| Beaudesert Cryna | 142.8 | 05 | 139.4 | 1894 | 113 |
| Darlington | 239.0 | 05 | 108.0 | 1976 | 32 |
| Maroon Dam | 106.0 | 05 | 99.1 | 1974 | 35 |
| Killarney Post Office | 147.2 | 05 | 93.5 | 1893 | 118 |
| Stanthorpe Leslie Pde | 130.3 | 05 | 99.6 | 1937 | 130 |
| Applethorpe | 122.0 | 05 | 66.8 | 1972 | 38 |
| Wallen | 69.0 | 18 | 67.0 | 2002 | 33 |
| New South Wales | | | | | |
| Cobar MO | 102.2 | 31 | 91.2 | 1995 | 46 |
| Legume (New Koreelah) | 147.6 | 05 | 116.1 | 1947 | 105 |
| Old Koreelah | 143.0 | 05 | 109.2 | 1947 | 96 |
| Bonalbo PO | 189.2 | 05 | 142.5 | 1959 | 95 |
| Urbanville PO | 174.8 | 05 | 140.0 | 1956 | 73 |
| Murwillumbah (Taleswood) | 190.6 | 05 | 188.0 | 1974 | 58 |
| Bentley | 135.0 | 05 | 221.0 | 1974 | 44 |
| Green Pigeon | 227.4 | 05 | 200.0 | 1974 | 43 |
| Grevillia | 150.0 | 05 | 111.2 | 1988 | 43 |
| Lillian Rock | 203.0 | 05 | 147.0 | 1989 | 45 |
| Woolners Arm | 177.6 | 05 | 119.4 | 1947 | 81 |
| Victoria | | | | | |
| Kyabram DPI | 82.9 | 20 | 60.8 | 1993 | 45 |
| Murchison | 77.0 | 20 | 76.2 | 1936 | 123 |
| Murchison (Arcadia Sunnyville) | 56.2 | 20 | 49.0 | 1973, 1982 | 39 |
| Lima South (Lale Nillahcootie) | 68.2 | 20 | 64.0 | 1984 | 41 |
| Bairnsdale Waterworks | 65.6 | 21 | 64.8 | 1982 | 41 |
| Reefton (Upper Yarra Dam) | 49.6 | 20 | 47.2 | 1991 | 36 |
| Avenel PO | 82.8 | 20 | 59.4 | 1904 | 105 |
| Highlands (Glentannar) | 73.0 | 20 | 61.0 | 1984 | 93 |
| Mangalore Airport | 90.4 | 20 | 49.8 | 1984 | 51 |
| Kanumbra (Brilliant Estate) | 84.4 | 20 | 58.8 | 2001 | 40 |
| Northern Territory | | | | | |
| Adelaide River PO | 144.0 | 05 | 133.0 | 1982 | 31 |
| Alyangula Police | 150.4 | 06 | 147.8 | 1998 | 29 |

Note: Some statistical records mentioned in this report are based on data that have yet to be fully validated