



SIGNIFICANT WEATHER – December 2005

SUMMARY

Thunderstorms, heavy rain, wind and hail, caused widespread damage and flooding in Queensland on several days. Thunderstorms were also reported in New South Wales, Victoria, Tasmania, South Australia and the Northern Territory.

Strong winds were reported in Queensland, New South Wales, Victoria Tasmania and South Australia and bushfires were reported in several states.

Many centres across South Australia reported record high daily December maximum temperatures with Port Pirie recording 44.6°C on the 30th and in Western Australia, Eyre recorded Australia's largest ever temperature range in any month on record: 0.9°C to 47.5°C.

TORNADOES

Queensland

On the 8th a tornado was observed near Century Mine, north of Mt Isa, there was some tree damage reported.

THUNDERSTORMS

Queensland

On the 1st early morning thunderstorms produced very heavy rainfall in some bayside suburbs. At Manly, 51mm was recorded in 20 minutes, 62mm in 30 minutes and 83mm in 60 minutes. More severe thunderstorms developed in the south east during the afternoon. Some of

these included: Noosa Heads, 125mm in 60 minutes and 208mm in 3 hours; Palmwoods, 87mm in 60 minutes; Lake Cooroibah 46mm in 20 minutes, 108mm in 60 minutes and 124mm in 3 hours; Sippy Downs 54mm in 30 minutes; Top of Brisbane 80 mm in 60 minutes; Jimna 73mm in 30 minutes.

The storms caused widespread damage. Shops in Noosa were swamped by flood waters a metre deep. This triggered a land slip in Noosa that removed two thirds of the width of the road to a depth of about 6 metres for approximately 12 metres. At Tewantin a woman was injured when struck by lightning while dining on the balcony of a restaurant, her spoon acted as lightning conductor. Further north, near Gympie, the Bruce Highway was one of many roads cut by flood water. An unspecified number of homes were inundated by water, together with some businesses in Gympie. Wind damage was also reported in and around Gympie, with trees and power lines down and several homes and an Equestrian Centre losing part or all of their roofs. Birdsville also recorded a wind gust of 91 km/h during a thunderstorm.

On the 2nd severe thunderstorms produced heavy rain with Springbrook recording 78 mm in 60 minutes. Aramac, approximately 100 kilometres north east of Longreach, received major damage during a thunderstorm. Around 40 of the town's 170 homes were severely damaged, and almost every home suffered some damage from extreme wind gusts and hail. Some homes and sheds had roofs torn off, others were picked up and thrown, some totally destroyed. Very large trees were torn apart, some uprooted, others twisted off at their bases. The wind was so strong that an 18 tonne semi trailer was tipped over. There was millions of dollars worth of damage.

On the 4th large tree branches were broken off trees in a thunderstorm near Gin Gin.

On the 8th a severe squall line formed on the border ranges and moved through the Brisbane area. Wind gusts of 89 km/h were reported from Banana Bank AWS in Moreton Bay. Other reports of heavy rain and strong winds were received from the Goodna area. At Allora, in the eastern Darling Downs, winds estimated at 100-120 km/h were reported. These winds brought down a number of trees, but there were no reports of property damage. Some of the heavy rain reports were: Hilltop Gardens, (Kelvin Grove area) recorded 32.4mm in 10 minutes; Rudds Lane, 47mm in 30 minutes; Kooralbyn, 19 mm in 6 minutes and 26mm in 10 minutes; Stretton 32mm in 10 minutes; 44mm in 20 minutes; Bundamba (Barclay Street) 24mm in 6 minutes and 44 mm in 20 minutes. A 91 km/h wind gust was recorded in a thunderstorm at Normanton.

On the 10th severe thunderstorms were reported in the north west of the state. At Mt Isa, trees were uprooted in the city. At Cotswold Station, to the north-north-west of Cloncurry, very strong easterly winds associated with a thunderstorm uprooted a large tree, damaged a 6 metre sliding door and moved hay bales up to 300 metres from the shed they were in.

On the 13th severe thunderstorms in south east Queensland produced strong winds, large hail and very heavy rainfall. At Palen Creek (near Rathdowney), rainfall reports included 36mm in 20 minutes. Golf ball sized hail, large tree limbs broken and some roof damage at Rathdowney were also reported. Further north, golf ball sized hail was reported at Jimboomba, with the largest hail stones approximately 5 cm in diameter. At Gympie, 113 km/h wind gusts were recorded. Wind damage included trees down and sheds blown away.

On the 14th widespread severe thunderstorms occurred in south eastern Queensland. Golf ball sized hail was reported from Gympie and Canungra. At Maroochydore, 93 km/h wind gusts were reported. Significant wind gusts were also reported from Hervey Bay, with 91 km/h and 117 km/h at Town of 1770.

On the 16th strong winds and heavy rain were accompanied with more severe thunderstorms in the south east. At Oakey 104 km/h was recorded. Nearer the coast, very heavy rain was recorded on the Gold Coast. At Oyster Creek (near Burleigh), 55mm of rainfall in 30 minutes and 76mm in 60 minutes.

On the 17th severe thunderstorms in the Brisbane area brought down trees and power lines. The northern suburbs were worst hit. A block of units at Coorparoo was unroofed and at least 25 homes were damaged at Kangaroo Point, Ferny Hills, Arana Hills and Everton Hills (suburbs of Brisbane). One car was crushed at Shorncliffe when a large tree fell on it. A man was struck by lightning at Russell Island (in Moreton Bay), but sustained only minor injuries. Wind gusts of 91 and 93 km/h were recorded at Gatton, to the west of Brisbane. The storms continued north to the Sunshine Coast, where they brought down trees and power lines, crushing homes and cars in the Buderim and Mountain Creek areas. At Double Island Point, gusts between 93 and 96 km/h were recorded.

On the 18th a severe thunderstorm at Moore Park, north west of Bundaberg, brought down trees, damaged buildings and destroyed fences. A caravan at the Moore Park Caravan Park was destroyed and several others damaged.

On the 25th widespread severe thunderstorms with large hail, damaging winds and very heavy rainfall were observed in south eastern Queensland. Hail 3 cm in diameter was reported in Grandchester (near Ipswich). At Jimna, west of the Sunshine Coast, 45 mm of rain fell in the 30 minutes ending at 4:09 pm. Wind gusts of 102 and 109 km/h were recorded at Redcliffe. Despite this, no significant reports of damage were received.

On the 26th a large severe thunderstorm was observed in the southern Burnett region. At Nanango, a storm spotter reported golf ball sized hail. Damage was done to cars, screen doors, windows and trees. Gusts of 109 km/h were recorded in a thunderstorm at Hughenden.

On the 27th a severe thunderstorm occurred in south east Queensland damaging the roofs of two homes near Mulgowie, in the Lockyer Valley, with one of the roofs completely removed. Three hay sheds were also

unroofed. A storm spotter reported a damage track about 1.5 kilometres wide, 3 kilometres west of Laidley.

New South Wales

On the 1st at Morpeth (Hunter) heavy rain (25mm in 15 minutes), hail to 4cm in diameter and a gust of 100 km/h caused damage to buildings and roofs. At Windowie (South West Slopes) hail 4.2cm was reported. At Gosford (Hunter) hail 6cm in diameter and heavy rain (30mm in 20 minutes) occurred. At Umina (Hunter) hail 1.5cm in size and very heavy rain caused some flooding of shops. At Williamtown (Hunter) hail 3.5cm was reported and at Nullamanna (North West Slopes) hail 3cm in diameter and gusts of 93 km/h were recorded. Heavy rain (26.5mm in 20 minutes) and 40cm deep hail on side of road were also observed.

On the 2nd at Yass (Southern Tablelands) hail 0.5cm in diameter and strong winds caused large branches to be broken off trees. At Canberra (Southern Tablelands) a thunderstorm and heavy rain caused strong winds which brought down hundreds of trees near Canberra in the Griffith-Fyshwick area. Buildings were unroofed in a possible tornado. One person was killed by a falling tree in Curtin. The damage bill is estimated at \$10 million.

On the 7th at Broken Hill (Lower Western) a thunderstorm caused extensive wind damage.

On the 8th at Ashley (North West Plains) strong winds, heavy rain and flash flooding were experienced and 3 houses were unroofed. At Gloucester (Mid-North Coast) hail 3.5cm in diameter was reported. Heavy rain 14.5mm in 12 minutes also occurred. At Wingham (Mid-North Coast) hail 5.5cm was reported. At Wardell (Northern Rivers) hail 2.5cm in diameter was reported with a maximum gust of 95km/h. Heavy rain (42mm in 70 minutes) was reported and branches were broken off trees.

On the 17th at Turrumurra (Metropolitan) 2cm hail was reported. At Casino (Northern Rivers) hail 4cm size was reported. Large trees were snapped and ripped out and power lines and sheds were damaged. At Clunes (Northern Rivers) hail 2.8cm in diameter was reported. The hail continued for 15minutes.

On the 28th at Fennell Bay (Hunter) hail up to 3.5cm was reported.

Victoria

On the 6th strong wind gusts from a thunderstorm tore off a verandah, airconditioning unit and a shed at Irymple and golf ball sized hail fell at Hattah an hour later. Another severe thunderstorm produced hail 2.4cm in diameter at Trentham.

On the 7th a severe thunderstorm produced large hail 2-3cm in diameter at Myrtleford/Tarrowingee.

Tasmania

On the evening of the 4th a thunderstorm with hail cut television broadcasts from Mount Wellington for several hours. Hail as large as 2 cm was reported from Glenfern in the Derwent Valley.

South Australia

Thunderstorms resulting in severe gusts or damaging winds occurred on several days this month, the 1st, 6th, 11th, 15th, 23rd, 24th and 27th. Damage was minor. The strongest gust of 122 km/h was recorded at Marree in the early morning of the 24th.

Northern Territory

During the afternoon and evening of the 24th, a long-lived squall line affected the northwestern Top End. The squall line produced the following wind gusts: 109 km/h at McCluer Island, 96 km/h at Darwin Airport and Lee Point, and 91 km/h at Milingimbi. A large tree was uprooted at Ludmilla Primary School in Darwin.

On the 25th a 89 km/h wind gust was produced by an evening thunderstorm at Lajamanu in the Alice Springs District.

On the 26th heavy rainfall associated with thunderstorms produced a 24 hour total of 126.4mm at Tindal RAAF Base, near Katherine. 70.4mm of this total fell in 1 hour in the early evening: an average recurrence interval of 10-20 years.

WIND

Queensland

On the 27th a 91 km/h wind gust was reported at Roma Airport.

New South Wales

Wind gusts of 90 km/h or greater were reported on:

- 2nd Forbes 115km/h, Canberra 100km/h, Murrurundi 113km/h, Newcastle 118km/h, Albury 91km/h, Temora 93km/h, Coonabarabran 91km/h, Bathurst 96km/h.
- 5th Mount Ginini 102km/h.
- 6th Cowra 93km/h, Thredbo 91km/h.
- 7th Thredbo 100km/h, Narrabri 94km/h.
- 8th Scone 109km/h.
- 12th Deniliquin 130km/h.
- 13th Tamworth 94km/h.
- 17th Bombala 91km/h, Casino 109km/h.
- 19th Green Cape 93km/h.
- 23rd Thredbo 100km/h.
- 24th Thredbo 107km/h.
- 28th Thredbo 115km/h, Narrabri 133km/h.

Victoria

On the 4th a vigorous trough moved through Victoria producing strong southwesterly winds with gusts up to 106 km/h. Highest gusts recorded were: Mt Gellibrand 106 km/h, Lookout Hill 104 km/h, Wilsons Promontory 102 km/h and Geelong Airport 102 km/h. These conditions also resulted in extreme fire weather conditions in the Mallee and Wimmera districts.

On the 12th a strong prefrontal trough produced wind gusts up to 92 km/h at Portland with a report of a roof being torn off a grand stand and damaging surrounding properties. Later in the day wind gusts tore down trees in Melbourne's eastern suburbs.

On the 23rd a strong prefrontal trough moved through Victoria with strong northerly winds that produced gusts to 120 km/h at Mt William, 106 km/h at Aireys Inlet and 95 km/h at Essendon.

Tasmania

A tree was uprooted by a gust of wind and fell across the West Tamar Highway at Riverside on the 7th, temporarily closing the road.

Winds damaged electricity infrastructure and cut power to more than 700 premises in the northwest on the 12th. The winds blew two power poles and transformers across the Bass Highway at Brittons Swamp, temporarily closing the road. On the same day, a number of trees were blown across Fortescue Bay Road on the Tasman Peninsula.

A 10 metre yacht rolled in seas 150 nautical miles northeast of Flinders Island on the 26th, damaging the yacht and injuring one person.

Wind gusts of 100 km/h or greater were reported on:

- 7th Cape Grim 119 km/h
- 8th Mount Wellington 106 km/h, Maatsuyker Island 106 km/h
- 10th Mount Read 102 km/h, Mount Wellington 100 km/h
- 12th Mount Read 113 km/h, Tasman Island 109 km/h, Cape Grim 106 km/h
- 13th Tasman Island 109 km/h
- 15th Mount Read 111 km/h
- 16th Mount Read 104 km/h
- 18th Cape Grim 102 km/h
- 21st Tasman Island 113 km/h
- 23rd Mount Wellington 117 km/h, Mount Read 104 km/h
- 24th Maatsuyker Island 130 km/h, Mount Wellington 128 km/h, Scotts Peak Dam 117 km/h, Cape Grim 111 km/h, Mount Read 107 km/h, Cape Bruny 100 km/h
- 25th Mount Wellington 126 km/h, Maatsuyker Island 126 km/h, Scotts Peak Dam 113 km/h, Hartz Mountain 106 km/h
- 26th Mount Wellington 111 km/h, Maatsuyker Island 104 km/h
- 28th Mount Wellington 124 km/h, Mount Read 119 km/h, Scotts Peak Dam 117 km/h, Maatsuyker Island 109 km/h

- 29th Mount Wellington 113 km/h,
Maatsuyker Island 107 km/h,
Hartz Mountain 100 km/h
- 30th Mount Wellington 106 km/h,
Maatsuyker Island 104 km/h

South Australia

The passage of a number of strong fronts resulted in damaging gale force winds and severe gusts. The most significant of these resulted in part of the school roof being blown off and minor tree damage in Woomera on the 11th and building damage. Some trees and power lines were down in Whyalla on the 12th. Gale force winds also occurred briefly on the 15th, 23rd, 24th and 27th.

FLOODING

Queensland

Heavy Rainfall in the Juandah Creek catchment during the 2nd of December lead to major flooding in the Dawson River at Taroom on the 4th.

BUSHFIRES

Queensland

From the 31st to the 1st of January grass fires in the Mareeba district required significant backburning to protect houses, farm structures and crops in their path. No property damage was recorded.

Victoria

Between the 28th and 31st a large number of fires occurred in extreme temperatures and strong northerly winds. The most significant fire occurred at Stawell where seven homes were burnt.

South Australia

Hot to very hot conditions ahead of the strong fronts also resulted in a number of days extreme fire weather days: the 15th, 20th, 23rd, 27th, 30th and 31st. Lightning on a few of these days caused numerous fires. The strong and

occasionally gale force winds on these days resulted in very hazardous conditions.

Tasmania

During the middle of the month several small scrub fires were deliberately lit around Queenstown. There were a number of other small fires during the month, including one south of Devonport on the 21st.

TEMPERATURE

South Australia

Several centres across South Australia reported record high daily December maximums with Port Pirie recording 44.6°C on the 30th.

Western Australia

Eyre, located on the Nullarbor Plain, recorded Australia's largest ever temperature range in any month on record. Eyre recorded a minimum temperature of 0.9°C on the 2nd and then proceeded to record a maximum temperature of 47.5°C on the 19th, a monthly temperature range of 46.6°C which is the highest ever recorded in Australia. The previous record was 45.3°C (44.4°C /-0.9°C) in November 2003, also at Eyre.

Highest Mean Maximum Temperature for any Month

Station	Actual °C	Previous Highest °C	Year	Years of Record
Queensland				
Musgrave	37.4	37.1	11/1995	37
Georgetown PO	40.3	39.6	01/1994	110
Collinsville PO	37.8	37.0	01/1994	43
Mackay MO	33.8	33.1	12/2001	47
Longreach Aero	41.0	40.7	12/1979	39
Rockhampton Aero	35.4	35.0	02/1990	67
Gladstone Radar	34.6	34.2	01/1969	49
Oakey Aero	34.2	33.4	01/1994	32

Highest Mean Maximum Temperature for December

Station	Actual °C	Previous Highest °C	Year	Years of Record
Queensland				
Musgrave	37.4	36.4	1919	37
Kowanyama Airport	38.0	36.9	2003	37
Georgetown PO	40.3	38.7	1991	110

Cairns Aero	33.2	33.2	1995	64
Collinsville PO	37.8	36.9	2001	43
St Lawrence PO	33.7	32.7	2001	64
Mackay MO	33.8	33.1	2001	47
Longreach Aero	41.0	40.7	1979	39
Baralaba PO	37.3	36.8	1979	37
Lady Elliot Island	30.3	30.2	1995	66
Rockhampton Aero	35.4	34.8	2001	67
Gladstone Radar	34.6	33.0	1979	49
Cape Moreton LH	28.5	27.9	2002	92
Archerfield Airport	32.4	32.0	1990	30
Nambour DPI	32.0	31.7	1979	44
Brian Pastures	34.8	34.2	1990	35
Oakey Aero	34.2	33.1	1979	32
Quilpie Airport	39.3	39.3	1990	62
New South Wales				
Cobar	35.9	35.4	1990	44
Murwillumbah	32.1	31.9	1979	34
Coffs Harbour	29.4	29.0	1979	55
Gosford	30.5	29.6	1976	52
Cessnock	34.2	32.8	1997	33
Sydney Airport	29.5	29.2	1990	67
Sydney (Observatory Hill)	28.6	28.6	1990	147
Riverview	29.0	28.4	1944	97
Bankstown	30.4	30.3	1990	38
Prospect Dam	31.3	31.1	1990	41
Wollongong	27.6	27.5	1990	36
Western Australia				
Eucla	30.1	30.0	1972	65
Eyre	29.7	27.5	1994	47
Northern Territory				
Kulgera	37.7	37.2	1990	24

Lowest Mean Maximum Temperature for December

Station	Actual °C	Previous Lowest °C	Year	Years of Record
Western Australia				
Beverley	28.7	29.3	1984	34
Brookton	27.8	27.9	2001	34
Cape Leeuwin	19.3	19.9	1959	108
Donnybrook	23.5	24.2	1922	97
Dwellingup	22.5	23.0	1944	65
Geraldton Airport	25.8	26.7	1947	63
Jurien Bay	24.1	24.9	1984	36
Karnet	22.6	25.3	1984	33
Lancelin	22.7	23.5	1984	39
Perth Airport	24.7	25.5	1944	61

Highest Mean Minimum Temperature for any Month

Station	Actual °C	Previous Highest °C	Year	Years of Record
Queensland				
Lockhart River Airport	25.3	25.0	11/1995	34
Mackay MO	25.0	24.8	01/1985	47
Gladstone Radar	24.4	24.3	02/1998	49

Highest Mean Minimum Temperature for December

Station	Actual °C	Previous Highest °C	Year	Years of Record
Queensland				
Lockhart River Airport	25.3	24.8	1990	34
Croydon Township	26.7	26.6	1934	77
Richmond PO	24.9	24.6	2003	109
Collinsville PO	23.4	23.2	1997	43
Mackay MO	25.0	24.3	1985	47
Longreach Aero	24.3	24.1	1997	39
Winton PO	25.7	25.0	1997	67
Monto Township	19.8	19.8	1979	32
Gladstone Radar	24.4	23.5	1997	49
Cape Moreton LH	22.9	22.6	1997	91
Texas PO	19.4	19.0	1997	31
New South Wales				
Tabulam	18.5	18.0	1990	36
Tasmania				
Hobart (Ellerslie Rd)	12.8	12.6	1973	124
Cape Bruny Lighthouse	12.5	12.5	1940	40
Hobart Airport	12.7	12.3	1973	48
Grove (Comparison)	10.5	10.5	1985	47
Swansea PO	12.6	12.1	2002	47

Lowest Mean Minimum Temperature for December

Station	Actual °C	Previous Lowest °C	Year	Years of Record
Western Australia				
Albany Airport	11.1	11.2	1985	40
Beverley	11.2	11.8	1985	35
Cunderdin	11.8	12.5	1952	55
Dalwallinu Comp	12.7	13.3	1985	50
Eyre	12.4	12.9	2001	47
Hyden	11.7	11.9	2001	30
Jurien Bay	13.0	13.8	1985	36
Karnet	9.9	11.2	2001	35
Kellerberrin	10.6	12.8	2001	90
Merredin	12.6	13.6	1985	39
Northam	11.4	12.0	1952	90
Pingelly	11.0	11.8	1985	33
Wongan Hills	11.5	13.3	1984	37
Wongan Hills RS	12.3	12.7	1985	49

Highest Daily Maximum Temperature for December

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
New South Wales					
Cobar	44.1	31	43.2	1990	44
Nelson Bay	39.3	24	38.3	2004	38
Gulgong	40.3	31	40.2	1994	36
Bathurst Ag.	37.5	31	37.2	1990	40
Cowra Research	40.9	31	40.4	1990	41
Lithgow	36.8	31	36.2	1994	41
Dunedoo	41.7	31	41.5	1994	41
Nerriga	39.0	31	38.8	1994	35
Bombala	38.5	31	36.4	1972	41
Yass	40.0	31	39.3	1972	41

<i>Cooma Visitors Centre</i>	36.7	30	35.7	2002	32
<i>Hume Reservoir</i>	41.8	31	40.3	1972	41
<i>Burrinjuck Dam</i>	40.9	31	39.8	2002	41
<i>Grenfell</i>	40.8	31	41.0	1972	41
<i>Quandialla</i>	43.5	31	43.4	1972	41
<i>Wyalong</i>	43.6	31	43.5	1972	41
<i>Tocumwal</i>	43.5	31	42.5	1972	36
<i>Narrandera</i>	43.0	31	42.7	1972	36
<i>Hay</i>	45.2	31	44.0	1972	49
<i>Hillston</i>	45.0	31	44.5	1994	48
<i>Lake Cargelligo</i>	44.1	31	44.0	1994	41
<i>Griffith</i>	44.0	31	43.2	1994	36
South Australia					
<i>Cleve</i>	43.3	30	42.9	1957	49
<i>Kimba</i>	44.0	30	42.8	2002	39
<i>Hawker</i>	44.5	23	43.2	1981	32
<i>Port Pirie Zinifex</i>	44.6	30	43.9	1957	48
<i>Maitland</i>	42.6	30	41.6	1980	49
<i>Cape Borda</i>	37.7	31	37.0	2002	45
<i>Adelaide A/P</i>	42.4	30	40.9	1981	51
<i>Eudunda</i>	41.7	30	40.7	1972	41
<i>Murray Bridge</i>	43.4	31	43.2	1980	39
<i>Lameroo</i>	45.2	31	44.0	1980	48

Highest Daily Minimum Temperature for any Month

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
Queensland					
<i>Palmerville</i>	29.8	23	29.0	11/1995	55
<i>Surat</i>	30.5	26	29.4	02/2005	44

Highest Daily Minimum Temperature for December

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
Queensland					
<i>Palmerville</i>	29.8	23	27.5	1995	55
<i>Cardwell Marine Pde</i>	28.0	20	27.6	2002	49
<i>Springsure Dame St</i>	26.7	15	26.5	1981	41
<i>Stanthorpe Leslie Pde</i>	25.0	08	22.2	1957	44
<i>Texas PO</i>	25.9	25	25.6	2003	37
<i>Applethorpe</i>	21.0	25	20.0	1997	37
<i>Oakey Aero</i>	23.9	30	23.4	1976	33
<i>Mitchell PO</i>	28.0	07	27.8	1976	38
<i>Surat</i>	30.5	26	27.5	2003	44
New South Wales					
<i>Kempsey</i>	24.0	28	23.6	1983	41
<i>Mount Seaview</i>	24.0	31	23.4	1994	37
<i>Nelson Bay</i>	24.0	28	22.1	1971	38
<i>Oberon</i>	18.5	24	18.0	1972	41
South Australia					
<i>Kimba</i>	27.2	31	26.4	2000	39
<i>Hawker</i>	31.2	31	28.7	2003	32
<i>Port Pirie Zinifex</i>	32.2	31	31.6	1975	48
Western Australia					
<i>Balladonia</i>	23.7	19	23.4	2004	33
<i>Broome Airport</i>	30.7	24	30.3	1979	66
<i>Kalgoorlie-Boulder</i>	29.1	19	28.2	1978	64
<i>Wiluna</i>	30.5	19	30.0	1994	45

Lowest Daily Minimum Temperature for December

Station	Actual °C	Date	Previous Lowest °C	Year	Years of Record
Queensland					
<i>Stanthorpe Leslie Parade</i>	0.0	12	4.4	1964	44
Western Australia					
<i>Balladonia</i>	4.8	02	5.2	1992	40
<i>Nyang Station</i>	15.3	03	16.0	1987	32

RAINFALL

Western Australia

The first heavy monsoonal rains arrived in the tropics in the last week of the year. Also, heavy rain on the 31st of December until 1st of January occurred throughout the southeast of the state. The Trans-Australian railway line was cut about 600 kilometres east of Kalgoorlie-Boulder. Eucla recorded 101mm in two days while Kybo station registered more than 150mm.

Highest Monthly Rainfall on Record for December

Station	Actual mm	Previous Highest mm	Year	Years of Record
Queensland				
<i>Drillham PO</i>	224.4	207.0	1971	72
Tasmania				
<i>Kimberley (Siding)</i>	136.8	136.6	1971	41
<i>Strathgordon Village</i>	451.6	441.4	1976	38
<i>Strathgordon (Gordon Power Stn)</i>	495.3	482.6	1974	32
Northern Territory				
<i>Timber Creek</i>	308.7	307.6	1988	24

Lowest Monthly Rainfall on Record for December

Station	Actual mm	Previous Lowest mm	Year	Years of Record
Queensland				
<i>Moreton Telegraph Station</i>	4.2	18.3	1899	95
<i>Merluna</i>	16.2	41.9	1960	50
<i>Collinsville PO</i>	4.6	8.4	1983	67
<i>Te Kowai Exp Stn</i>	0.0	1.0	1919	117
<i>Mackay MO</i>	0.0	5.9	1972	47
<i>The Head</i>	39.6	49.6	1976	48
New South Wales				
<i>Tibooburra</i>	0.0	0.0	numerous	120
<i>Wanaaring</i>	0.0	0.0	numerous	122
Northern Territory				
<i>The Pines</i>	27.6	49.2	2002	34

Highest Daily Rainfall on Record for any Month

<i>Station</i>	<i>Actual Date</i> <i>mm</i>	<i>Previous</i> <i>Highest</i> <i>mm</i>	<i>Year</i>	<i>Years of</i> <i>Record</i>
Queensland				
<i>Greenvale Township</i>	<i>131.3 02</i>	<i>131.0</i>	<i>02/</i> <i>1991</i>	<i>93</i>
<i>Wandoan PO</i>	<i>142.4 02</i>	<i>135.4</i>	<i>12/</i> <i>1970</i>	<i>51</i>

Highest Daily Rainfall on Record for December

<i>Station</i>	<i>Actual Date</i> <i>mm</i>	<i>Previous</i> <i>Highest</i> <i>mm</i>	<i>Year</i>	<i>Years of</i> <i>Record</i>
Queensland				
<i>Greenvale Township</i>	<i>131.3 02</i>	<i>75.4</i>	<i>2000</i>	<i>93</i>
<i>Wandoan PO</i>	<i>142.4 02</i>	<i>135.4</i>	<i>1970</i>	<i>51</i>
<i>Capalaba Water</i>				
<i>Treat</i>	<i>137.0 01</i>	<i>98.0</i>	<i>1991</i>	<i>35</i>
<i>Drillham PO</i>	<i>70.8 08</i>	<i>66.5</i>	<i>1971</i>	<i>72</i>
Northern Territory				
<i>Timber Creek</i>	<i>87.0 03</i>	<i>77.6</i>	<i>1981</i>	<i>24</i>

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