



SIGNIFICANT WEATHER – November 2007

SUMMARY

Tropical cyclone *Guba* developed over the northern Coral Sea but remained well off the Queensland coast. Severe thunderstorms occurred in all states with very heavy rainfall being reported in New South Wales from severe thunderstorms. Bushfires were reported in Tasmania and two extensive fires affected the Gulf Country in the Northern Territory.

TROPICAL CYCLONES

Queensland

Tropical cyclone *Guba* developed over the northern Coral Sea on the 14th and was slow and erratic in movement and remained well off the Queensland coast. *Guba* reached category 3 during the 16th and then weakened, eventually becoming a tropical depression during the 20th with the remnants in the Gulf of Papua. Parts of Papua New Guinea received flooding rain resulting in several fatalities.

THUNDERSTORMS/TORNADOES

Queensland

On the 5th there were reports of flash flooding and wind damage from a thunderstorm in Rockhampton.

On the 9th an upper system caused thunderstorms with heavy rain and small hail in the far south west of the state; 67mm of rain was recorded at Adavale. Small hail in the Channel Country was reported at both Adavale and Quilpie. Later in the day the system reached the Central West district producing 26mm of rain in 10 minutes at Blackall Airport.

Heavy thunderstorms in the Maranoa and Warrego district on the 11th produced 18mm of rain in 10 minutes and 31mm of rain in 20 minutes.

On the 14th severe thunderstorms in the northwest of state were reported. A wind gust of 94 km/h was recorded at Mt Isa. Many trees and power lines were brought down and one man was electrocuted. Other significant wind gusts occurred at Julia Creek (91 km/h) and The Monument (89 km/h).

Very heavy rain was recorded in thunderstorms on the Granite Belt on the 22nd. At Cherrabah, 20mm of rain was recorded in 10 minutes and 27mm in 20

minutes. At nearby Dalveen, 19mm was recorded in 10 minutes and 29mm in 20 minutes.

On the 23rd severe thunderstorms were reported in the south east corner of the state. Very heavy rainfall was reported from Withcott, near Toowoomba, with 25mm falling in 10 minutes and 52mm in 25 minutes. At Gatton, 69mm was recorded in 30 minutes. Wind damage was also reported in the Capricornia district at Woorabinda, near Baralaba. Overnight, very heavy rainfall was experienced in the Brisbane Valley.

At Mourilyan (near Innisfail) hail 2cm in diameter was reported and some wind damage in a thunderstorm on the 30th. Trees and shrubs were blown over with some flying debris.

New South Wales

On the 2nd at Lismore heavy rain 30mm of rain in 20 minutes was reported which caused storm damage. 33mm fell in 30 minutes near Taree.

On the 3rd at Canberra thunderstorms with heavy rain and local flash flooding were reported in the central business district. Strong winds were reported north east of Bathurst, where large sheds were destroyed.

On the 18th at Marulan thunderstorms with heavy rain and hail up to golf ball size were reported. At Glen Coe there was a possible tornado sighting. At Collector a thunderstorm with heavy rain and flash flooding was reported and sheep were washed into the creek. At Yarra Rows Lagoon, between Collector and Goulburn, 60mm of rain fell to 9am on the 19th.

On the 21st at Nimmitabel there were thunderstorms with very heavy rain; 75mm of rain was recorded.

On the 22nd at Wittittrin inland from Kempsey, 60mm of rain was recorded in about 30 minutes. At Blackheath heavy rain, about 25mm in 25 minutes was recorded. At Scone very heavy rain caused flash flooding; 45mm of rain in 32 minutes was recorded.

On the 23rd at Wollomombi very heavy rain, 15mm in 8 minutes was recorded. At Elands northwest of Taree heavy rain 71mm in 1 hour and 90mm in 2 hours was recorded. At Mt Seaview very heavy rain with flash flooding, (102mm of rain in 90 minutes) was recorded.

At Tharwa 34mm of rain was recorded in a storm. At Temora 30mm was recorded in 30 minutes.

On the 26th at Cobar heavy rain and flash flooding occurred with a total of 161mm of rain recorded at Cobar Airport, mostly falling in 1 hour. At Fairfield, 64mm in 90 minutes produced local flash flooding.

On the 28th at Jerangle south of Canberra 66mm in a short period was recorded.

On the 29th at Duri near Tamworth 25-30mm of rain fell in 30 minutes. Very strong winds were recorded and trees were blown down. There was a total of 42mm of rain at nearby Cootamundra Airport, mostly falling in 30 minutes. At Kangy Angy heavy rain, 36mm in 22 minutes was recorded.

On the 30th at Turrumurra, 40.6mm was recorded in about 30 minutes from a very isolated thunderstorm cloud. At San Remo 109mm of rain occurred in 2 hours including 85mm in 1 hour causing flash flooding. Nearby Eraring recorded 112mm of rain from the same storms. At Wollongong there was very heavy rain at Fig Tree; 58mm of rain was recorded in 1 hour which caused local flash flooding and a total of 98.5mm in a 24 hour period. At Queanbeyan slow moving thunderstorms caused heavy rain in the Googong Dam area south of Queanbeyan where 44mm was recorded in 1 hour.

Victoria

On the 9th at You Yangs/Little River severe thunderstorms caused flash flooding; 30mm of rain in 30 minutes.

On the 28th in the Lara/Geelong/Mt Edgerton area, severe thunderstorms with heavy rain caused flash flooding. There was roof damage due to the heavy rainfall. More than 20mm of rain was recorded in less than 30 minutes.

Tasmania

A lightning strike on the 17th started a significant fire at Packers Spur. Many thunderstorms occurred about western Tasmania on the 20th but no damage was reported.

South Australia

On the 3rd a slow moving thunderstorm produced local flash flooding in Port Augusta. Thunderstorms resulted in severe winds at Cleve, Keith, Tarcoola and Woomera on the 20th.

Flash flooding occurred at Berri with a thunderstorm on the 29th.

Western Australia

On the 2nd Wyndham Airport recorded a wind gust of 94 km/h during a thunderstorm. No damage was reported.

Wyndham Airport recorded a wind gust of 135 km/h during a thunderstorm on the 14th. Rainfall of 19.8mm was recorded during the event with 12.6mm being recorded in 10 minutes. No damage was reported.

On the 25th a thunderstorm at Beagle Bay Tropical Tree Plantation (12 kilometres south east of the Beagle Bay community) produced 35mm of rain, hail 5mm in diameter and wind gusts estimated at 100 km/h uprooted trees and snapped the tops of some trees within the plantation.

Northern Territory

On the 1st a fast-moving squall-line affected Alice Springs during the evening.

Heavy rain and flash flooding was reported in Darwin on the 3rd.

On the afternoon of the 13th, a thunderstorm affected Darwin city, with reports of damage to trees and power lines. Wind gusts of 81 km/h were recorded at Darwin Airport.

A severe thunderstorm at Borroloola produced a 93km/h wind gust on the 14th.

On the afternoon of the 15th, a slow-moving thunderstorm produced flash-flooding at Palmerston with some roads cut temporarily.

A thunderstorm at Coolibah Station in the Victoria River District during the afternoon of the 22nd caused extensive damage, uprooting trees. A house was also unroofed and air-conditioners dislodged from the walls.

A thunderstorm near Darwin on the afternoon of the 27th caused damage to trees.

On the afternoon of the 28th thunderstorm affected the Darwin rural area as it passed over Howard Springs and the Cox Peninsula. In the Howard Springs area there was widespread marginal damage, and some isolated areas with severe damage where large tree branches were torn off trees.

WIND

Queensland

On the 14th the strongest recorded wind gust was 94 km/h at Mount Isa Aero followed by 93 km/h at Julia Creek Airport. The winds were associated with thunderstorms in these districts.

Victoria

Winds greater than 90 km/h were reported on:

03rd	Port Fairy 91km/h Cape Nelson 94km/h
04th	Cape Otway 98km/h Cape Nelson 102km/h Hamilton 91km/h Port Fairy 91km/h Aireys Inlet 93km/h Wilsons Promontory 100km/h Colac 93km/h East Sale 91km/h Grampians 102km/h
18th	Fawkner Beacon 91km/h Laverton 98km/h
20th	Edenhope 100km/h Wilsons Promontory 96km/h Gabo Island 91km/h

Tasmania

Winds greater than 90 km/h were reported on:

04th	Hogan Island 117 km/h
16th	Mount Wellington 94 km/h
18th	Mount Read 93 km/h
20th	Hartz Mountain 107 km/h Mount Read 104 km/h Mount Wellington 104 km/h Droughty Hill 100 km/h Scotts Peak Dam 98 km/h Maatsuyker Island 91 km/h
22nd	Maatsuyker Island 91 km/h
23rd	Maatsuyker Island 94 km/h
24th	Maatsuyker Island 102 km/h Hartz Mountain 98 km/h

Western Australia

On the 2nd Wyndham Airport recorded a wind gust of 94km/h.

Wyndham Airport recorded a wind gust of 135 km/h on the 14th.

On the 18th Forrest recorded a wind gust of 94 km/h. No damage was reported.

Kununurra Airport recorded a wind gust of 91 km/h on the 23rd. No damage was reported.

Kununurra Airport recorded a wind gust of 94 km/h on the 30th. Cape Leeuwin recorded a wind gust of 93 km/h as a low pressure system developed over the south west coast of Western Australia.

BUSHFIRES

Tasmania

A bushfire at Packers Spur in the state's southwest was ignited on the 17th burnt over 4,000 hectares. Many walking tracks in the area were closed. Several other bushfires were reported, the largest of which burnt 500 hectares near Tunbridge and 120 hectares near Ringwood.

Northern Territory

Two extensive fires affected the Gulf Country, though no significant loss of property was reported. Another fire burnt an area around Ti Tree and Aileron in the latter half of November, while a number of small fires, likely to have been ignited by lightning strikes, also occurred near Beetaloo, Newcastle Waters, Kurundi, and Tanandigee.

TEMPERATURE

Highest Mean Maximum Temperature for November

Station	Actual °C	Previous Highest °C	Year	Years of Record
Tasmania				
Launceston A/P Comp	21.8	21.3	1982	69
Burnie (Round Hill)	20.0	19.8	1982	59
Grove (Comparison)	20.9	20.8	1982	52
Western Australia				
Beverley	31.2	30.6	2002	38
Brookton	30.0	29.8	2002	41
Carnarvon A/P	30.4	30.3	1982	62
Corrigan	31.7	30.8	1957	60
Donnybrook	27.9	27.5	1943	103
Dwellingup	27.2	26.7	1999	70
Emu Creek Stn	40.1	38.9	1990	36
Gascoyne Junction	38.7	38.2	1969	45
Kalbarri	31.8	30.4	2002	35
Learmonth A/P	37.8	37.1	1994	33
Manjimup	24.7	24.6	2006	69
Merredin	32.0	31.2	1982	42
Narembeen	32.1	31.4	2006	39
Perth A/P	29.0	28.4	2003	64
Perth Metro	28.5	27.7	1920	110
Pingelly	29.6	29.2	2006	36
Wongan Hills	32.1	31.6	2002	40

Lowest Mean Maximum Temperature for November

Station	Actual °C	Previous Lowest °C	Year	Years of Record
Queensland				
Monto Township	28.3	28.4	1989	34

Highest Mean Minimum Temperature for November

Station	Actual °C	Previous Highest °C	Year	Years of Record
New South Wales				
Condobolin Ag Res	16.4	15.3	2002	54
Orange Airport	10.8	10.5	2002	40
Cowra Airport	14.4	13.1	2002	42
Canberra Airport	11.8	11.6	2000	69
Hume Reservoir	15.6	15.4	2000	86
Wagga Wagga	14.7	14.6	1944	66
Quandialla	15.3	14.6	2000	63
Wyalong	16.1	15.2	2002	58
Narrandera	15.2	14.4	2000	38
Griffith Airport	16.2	14.8	2000	38

Victoria

Ararat Prison	10.4	10.4	2000	39
Essendon Airport	12.7	11.9	2005	38
Western Australia				
Emu Creek Stn	22.2	21.1	1982	36
Gascoyne Junction	21.1	20.7	1999	45
Learmonth A/P	20.9	20.3	1982	33
Mardie	22.4	22.1	2006	52
Onslow	22.5	21.9	1957	117
Onslow A/P	22.6	22.2	1957	41

Lowest Mean Minimum Temperature for November

Station	Actual °C	Previous Lowest °C	Year	Years of Record
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Western Australia

Wyndham	25.7	26.0	1999	40
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Highest Daily Maximum Temperature for November

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
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Victoria

Echuca Aerodrome	43.0	20	41.6	1997	51
Wilson's Promontory Light House	36.7	20	36.1	1966	51
Kerang	43.0	20	42.6	1997	44
Tatura Inst	40.3	20	40.2	1980	43

Western Australia

Hyden	43.2	13	43.0	2006	36
Jurien bay	40.5	11	40.3	2002	39
Onslow	45.5	27	45.1	1997	47
Onslow A/P	44.8	27	44.6	1969	41

Lowest Daily Maximum Temperature for November

Station	Actual °C	Date	Previous Lowest °C	Year	Years of Record
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Queensland

Oakey A/P	16.5	06	18.0	1983	35
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Highest Daily Minimum for November

Station	Actual °C	Date	Previous Highest °C	Year	Years of Record
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Victoria

Rutherglen Research	22.9	21	22.9	2002	89
Scoresby Research	25.6	20	24.5	1997	40
Ararat Prison	20.8	20	20.4	1987	39

Western Australia

Emu Creek Stn	29.0	23	28.2	1972	36
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RAINFALL**Highest Monthly Rainfall on Record for November**

Station	Actual mm	Previous Highest mm	Year	Years of Record
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Queensland

Tambo PO	184.8	174.2	1933	127
Rewan Station	303.4	284.5	1950	69
Mountain View	222.6	167.4	1976	35
Cometside	290.8	171.4	1977	35
Cardbeign	207.8	170.0	2001	55
Hillside	197.5	167.4	1976	35
Mandala Farm	233.0	210.4	1995	38
Karara	183.8	143.8	1976	40
Coolmunda Dam	153.6	142.8	1995	32
Gunnewin	166.1	163.6	1983	39
Beechal	123.8	104.1	1973	135
Dillalah	184.0	174.5	2000	80
Fernlee	171.2	160.2	1933	113
Nive Downs	242.3	188.3	1995	126
Cheepie PO	242.0	180.0	2000	61

New South Wales

Walcha (Pindari)	214.4	164.5	2001	42
Craven (Longview)	216.8	204.4	1984	47
Bretti (Vinegar Hill)	219.8	175.6	1996	47
Mount Seaview	457.8	441.8	2000	59
Jerrys Plains	219.0	217.8	1924	124
Moonan Flat	274.6	245.0	2000	111
Bulga (South Wambo)	154.4	152.5	1981	49
Lostock Dam	198.8	180.5	1984	39
Lowther Park	199.4	193.2	1961	63
Wattamolla (Tamol)	444.2	444.1	1984	38
Yeoval PO	197.2	196.1	1950	113
Camden Airport	167.2	165.6	1984	65
Morundah Hotel	111.1	85.5	1939	122
Coleambally Irrigation	84.0	65.5	1985	30

Victoria

Ararat Prison	81.0	79.6	1992	39
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Northern Territory

Nightcliff Pool	271.8	267.6	1980	24
Suplejack	90.5	87.0	2000	23

Lowest Monthly Rainfall on Record for November

Station	Actual mm	Previous Lowest mm	Year	Years of Record
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Tasmania

Cape Bruny L/H	9.6	21.6	2000	137
Oatlands PO	3.8	6.9	1900	121
Sandford (Maydena)	1.8	5.0	2003	120
Maatsuyker Island Lighthouse	11.0	18.4	2000	116
Premaydena Hatchery	8.4	11.0	1937	101
Bothwell (Cluny)	3.0	3.8	1919	93
Lake Margaret Dam	68.2	96.6	2000	93
Richmond (Brookbank)	3.4	4.1	1937	92
Little Swanport (Lisdillon)	5.2	6.4	1922	91
Bothwell (Franklin St)	3.0	5.2	1919	89
Killora (Grasmere)	6.0	6.2	2003	89
Apsley (Parki)	4.0	6.8	2003	88
Cape Sorell	10.4	10.4	2000	85
Lymington (Fattys Lane)	9.0	9.8	2003	85
Bagdad PO	1.8	3.8	1989	82
Middleton PO	10.4	12.7	1919	82
Waddamana Field Study Centre	9.8	21.8	1989	80
Bronte Heights	5.8	6.9	2003	79
Edith Creek	10.8	15.6	2003	79
South Forest (Plummers Road)	15.8	16.2	2003	77
Opossum Bay	3.0	3.8	2003	76
City of Melbourne Bay	12.4	17.1	1959	74
Tarraleah Village	8.8	19.2	2003	72
Dover	7.4	9.4	2003	71
Harwell	12.2	17.7	1959	67
Lake Margaret Power Station	38.8	73.9	2000	63
Hastings Chalet	10.3	17.0	1989	62
Glenorchy (Glenorchy Reservoir)	4.4	6.6	2003	58
Woodbridge	7.4	14.0	2003	57
Dunorlan (Sharmans Rd)	14.4	15.2	2006	56
Bridgewater (Treatment Plant)	2.2	4.2	2003	51
Lake Echo Power Station	8.2	10.2	2003	50
Lake Crescent (Serat)	6.8	14.0	1973	48
Taroona (Taroona Crescent)	3.8	4.0	2003	45
Ellendale PO	7.4	22.8	1907	42
Elderslie South (Staples Sugarloaf)	2.8	4.4	2003	40
Savage River Mine	26.0	47.8	1988	40
Strathgordon Village	25.5	47.0	2000	40
Copping	15.0	19.4	1982	38
Zeehan (West Coast Pioneers Museum)	22.2	30.0	2000	38
Marawah	15.8	18.0	2003	37
Yarra Creek	14.6	17.6	2003	34

Dunalley (Bangor)	9.2	10.2	2003	32
Longley (Telopea)	14.2	14.4	2003	31
Western Australia				
Bremer Bay	1.2	2.1	1911	99
Bokerup	2.8	3.8	1972	49
Chesalon	0.4	2.6	1990	42
Frankland Vineyards	5.8	7.6	1986	33
Golden Park	2.0	7.2	1986	33
Jerramungup	0.6	3.6	1967	41
Lancelin	0.6	0.8	1999	43
Mettler	4.0	9.0	1968	41
Newbicum	2.0	2.1	1975	82
Subiaco Treatment Plant	1.8	3.6	1972	41
Swan View	3.2	4.0	1999	35
Telina Downs	4.4	7.7	1972	44
Waroona	3.2	3.3	1943	69
Wokalup	3.2	4.0	1957	56
Wellstead	3.2	11.2	2003	35
Wyndarra	3.4	6.0	1999	34

Highest Daily Rainfall on Record for Any Month

Station	Actual mm	Date	Previous Highest mm	Year	Years of Record
Queensland					
Cometside	158.2	25	148.0	Jan 2002	35
Marnhull	104.0	24	103.4	Dec 1921	74

Highest Daily Rainfall on Record for November

Station	Actual mm	Date	Previous Highest mm	Year	Years of Record
New South Wales					
Condobolin Ag Research	53.6	23	47.8	1968	54
Ballina (Crowley Village)	161.0	10	131.6	1896	116
Bobin (Bobin Creek)	134.4	24	130.0	1996	47
Mount Seaview	128.4	24	127.4	1996	48
Jerrys Plains	82.0	30	67.1	1943	124
Scone	67.2	22	55.4	2000	58
Wombeyan Caves	82.0	23	77.7	1969	66
Camden Airport	66.4	03	57.6	1983	65
Binalong	53.6	05	50.8	1900	111
Narrandera Airport	47.0	27	41.0	2003	41
Queensland					
Wyseby	113.4	25	106.2	1950	56
Cometside	158.2	25	78.8	1986	35
Upper Tent Hill	81.6	24	80.0	1995	48
Quendon	147.0	24	102.9	1959	59
Cooranga North	134.0	24	68.1	1963	44
Marnhull	104.0	24	94.0	1959	74
Glenroy	94.6	24	73.2	1959	49
Mandala Farm	107.0	24	83.6	1995	38
Karara	76.0	24	61.0	1976	40
Coolmunda Dam	51.2	01	51.2	1976	32
Beechal	48.0	28	40.2	1999	135
Dillalah	56.0	27	53.8	1914	80
Wansey Downs	68.4	29	67.3	1972	41
Northern Territory					
Curtin Springs	43.0	03	41.7	1971	52
Adelaide River PO	88.0	16	86.1	1962	33
Suplejack	53.0	03	45.0	1984	24

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