ANGRY SUMMER: EXTREME RAINFALL

ALL-TIME DAILY RAINFALL RECORDS FOR JANUARY

GAYNOAH  MT PERRY  MUNDUBBERA  MONTO  BLACKBUTT

ALL-TIME DAILY RAINFALL RECORDS FOR JANUARY

CANUNGRA  MOOGERAH  KINGAROY  PINE RIDGE  OLD KOREELAH  DELLICKNORA

ANGRY SUMMER: EVENTS NEAR Snapshot

**HEAT**

Australia’s hottest summer on record.

January 2013 was the hottest month on record for Australia.

Hottest day ever recorded for Australia as a whole – 40.30°C on 7 January.

7 days in a row with a temperature above 39°C for Australia as a whole.

Heat wave and temperature records were broken across Australia including:

- All weather stations set highest maximum temperatures on record.
- 2 weather stations also set December record maximum temperatures.
- 13 weather stations also set January record maximum temperatures.
- 4 weather stations also set February record maximum temperatures.
- 29 warmest night records (highest minimum temperature) including 7 all-time records.

**DRY**

Much of Australia was drier than normal from mid-2012 with record lowest July to December rainfall across central South Australia, and below average rainfall across almost all of southeastern Australia.

Lowest monthly rainfall records were broken at weather stations in Queensland, New South Wales, Victoria, South Australia and the Northern Territory.

**BUSHFIRES**

Bushfires in every state and territory with very damaging fires in Tasmania and New South Wales.

On 6 January, up to 40 bushfires occurred across Tasmania. Over 25,000 hectares were burnt and close to 210 properties destroyed.

“One of the worst fire danger days on record for NSW.”

NSW Rural Fire Service Commissioner Shane Fitzsimmons.

In New South Wales bushfires occurred across the state on January 8, with reports of up to 140 incidents.

**TORNADOES**

Tornadoes with damaging winds hit Bundaberg and other coastal Queensland towns on Australia Day.

**TROPICAL CYCLONES**

TROPICAL CYCLONE OSWALD – Former tropical cyclone Oswald caused extremely heavy rainfall to fall over Queensland and northern New South Wales. The low pressure system also caused high waves, storm surges and flooding.

TROPICAL CYCLONE RUSTY – Near the end of February, tropical cyclone Rusty, a large and slowly moving storm system, threatened the Pilbara coast of northwestern Australia with winds of up to 130km/h and heavy rainfall.

Western Australia –
TIMELINE OF EXTREME EVENTS

LATE 2012

Four months of unusual hot and dry conditions from September to December 2012.

A build-up of extreme heat in southwest WA began in December.

Cape Naturaliste, hottest day on record, 37.7°C on 23 December, 30 December.

Record equalling 7 days in a row above 37°C in Perth, 25 to 31 December.

Record maximum temperature at Red Rocks on the Nullarbor, 48.6°C on 2 January.

Record breaking heat over the central and southern interior 8 to 10 January.

The highest temperature recorded in WA during this event was 49.0°C at Leonora.

EARLY 2013

Previously:
- Rainfall
- Evaporation

Now:
- Increasing rainfall with higher surface ocean temperature
- More rainfall
- More evaporation

°C → °C