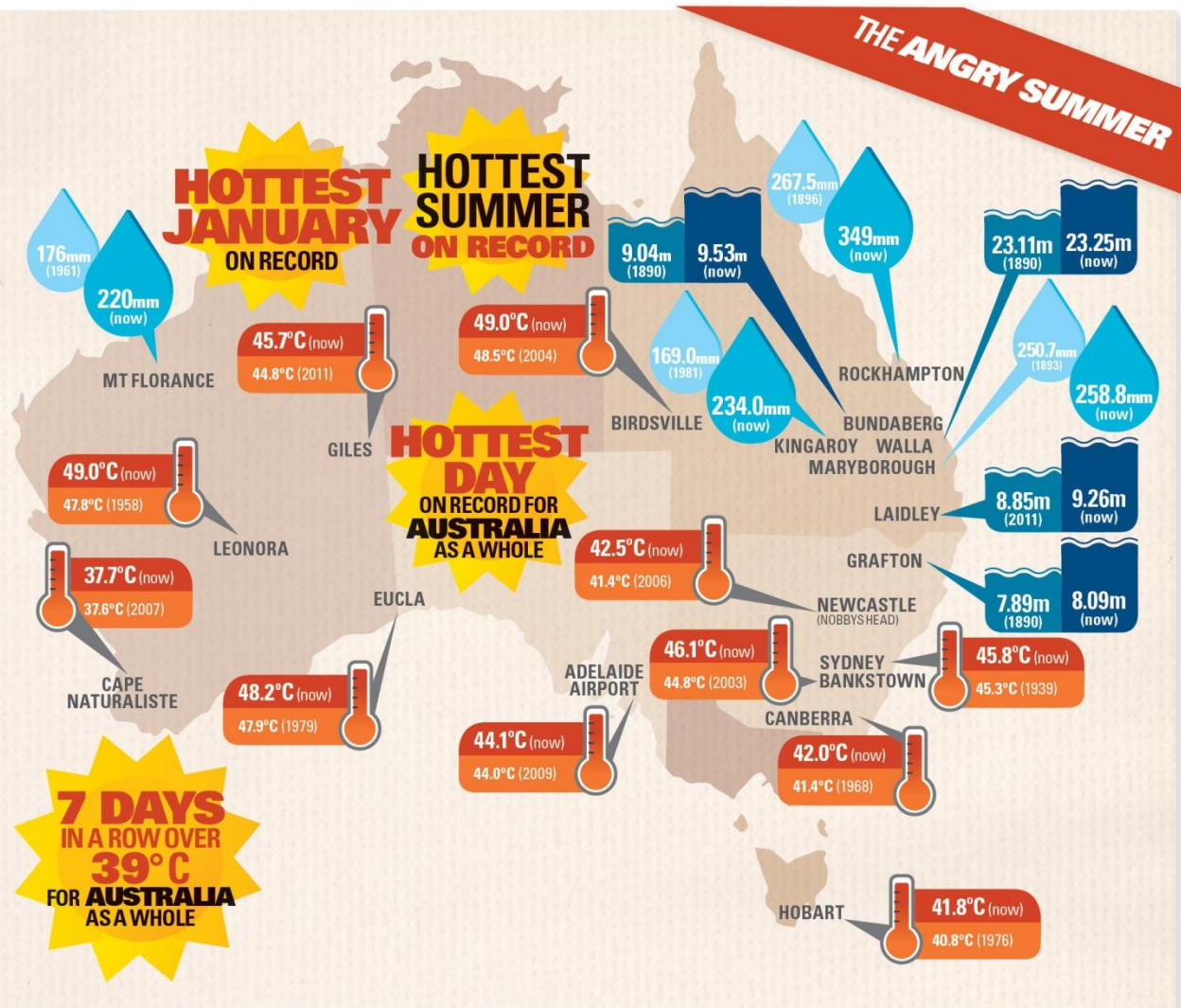


IN JUST
90 DAYS:
123 RECORDS
BROKEN
 THROUGHOUT
AUSTRALIA

HERE ARE JUST
23 OF THE 123
 RECORDS FROM SUMMER 2012/2013

- MAXIMUM TEMPERATURE RECORDS** 
- FLOOD RECORDS** 
- DAILY RAINFALL RECORDS** 
- HEATWAVE RECORDS** 



DATA SOURCES: BoM, (2013a), Special Climate Statement 43 – extreme heat in January 2013; BoM, (2013b), Special Climate Statement 44 – extreme rainfall and flooding in coastal Queensland and New South Wales.



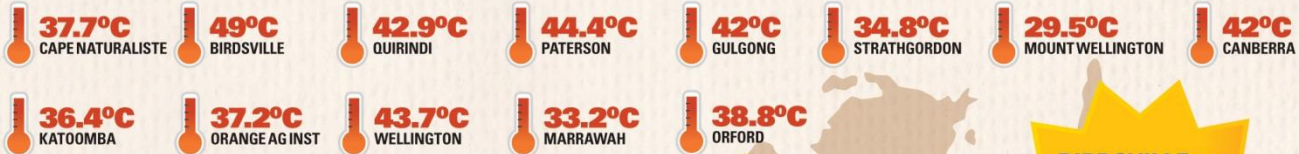
TEMPERATURE RECORDS BROKEN

THE ANGRY SUMMER

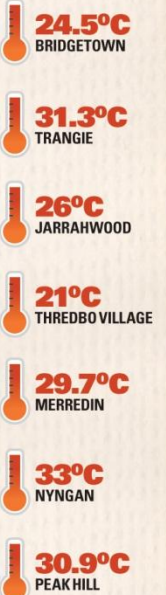
HOTTEST DAILY MAXIMUM TEMPERATURE ON RECORD



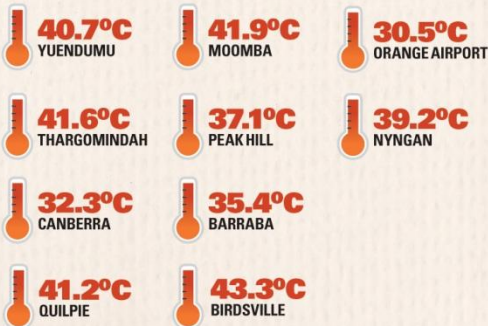
HOTTEST JANUARY MAXIMUM TEMPERATURE ON RECORD



WARMEST NIGHT ON RECORD (HIGHEST MINIMUM TEMPERATURE)



HOTTEST MONTHLY AVERAGE MAXIMUM TEMPERATURE



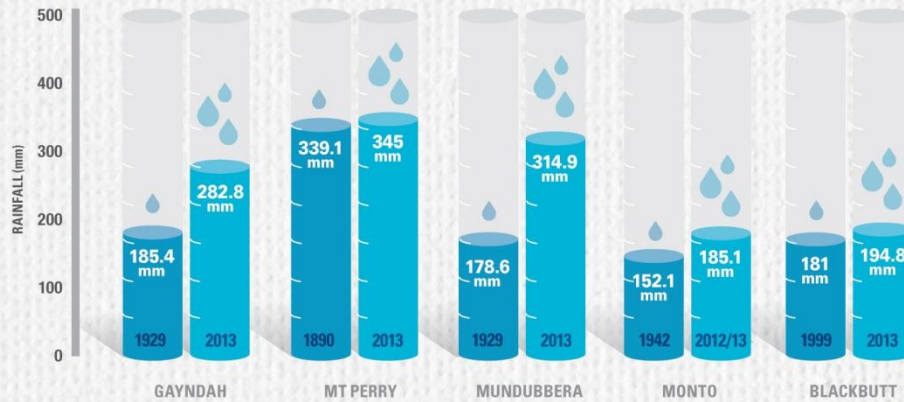
WARMEST JANUARY NIGHT ON RECORD (HIGHEST MINIMUM TEMPERATURE)



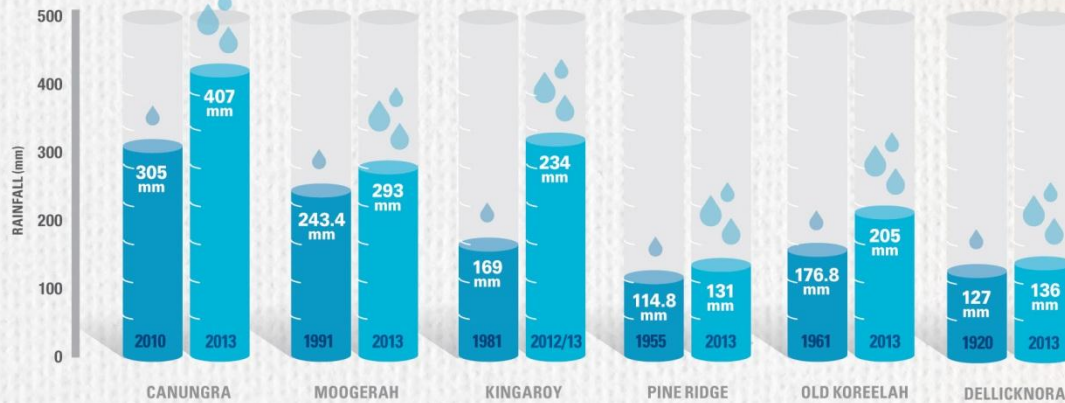
ANGRY SUMMER: EXTREME RAINFALL

THE ANGRY SUMMER

ALL-TIME DAILY RAINFALL RECORDS FOR JANUARY



ALL-TIME DAILY RAINFALL RECORDS FOR JANUARY



- Gayndah QLD
- Mount Perry QLD
- Mundubbera QLD
- Monto QLD
- Blackbutt QLD
- Canungra QLD
- Moogerah QLD
- Kingaroy QLD
- Pine Ridge NSW
- Old Koreelah NSW
- Dellicknora VIC

DATA SOURCE: BoM (2013b). Special Climate Statement 44 – extreme rainfall and flooding in coastal Queensland and New South Wales.

ANGRY SUMMER: EVENTS SNAPSHOT

THE ANGRY SUMMER

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:

- 44 weather stations set hottest 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 4 January, up to 40 bushfires occurred across Tasmania. Over 25,000 hectares were burnt and close to 200 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.

RAIN



26 daily rainfall records across Australia were broken at weather stations with over 80 years of data including 11 all-time daily rainfall records during late January event in eastern Australia.

There were also 9 December records, 23 January records and 2 February records broken across Australia.

Gladstone, Queensland set records for its highest 4-day rainfall (819.8 mm) – higher than Gladstone's previous record for a whole calendar month.

TORNADOES



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

FLOODS



5 river height records broken.

Major flooding throughout southeast Queensland and in the northern New South Wales.

TROPICAL CYCLONES



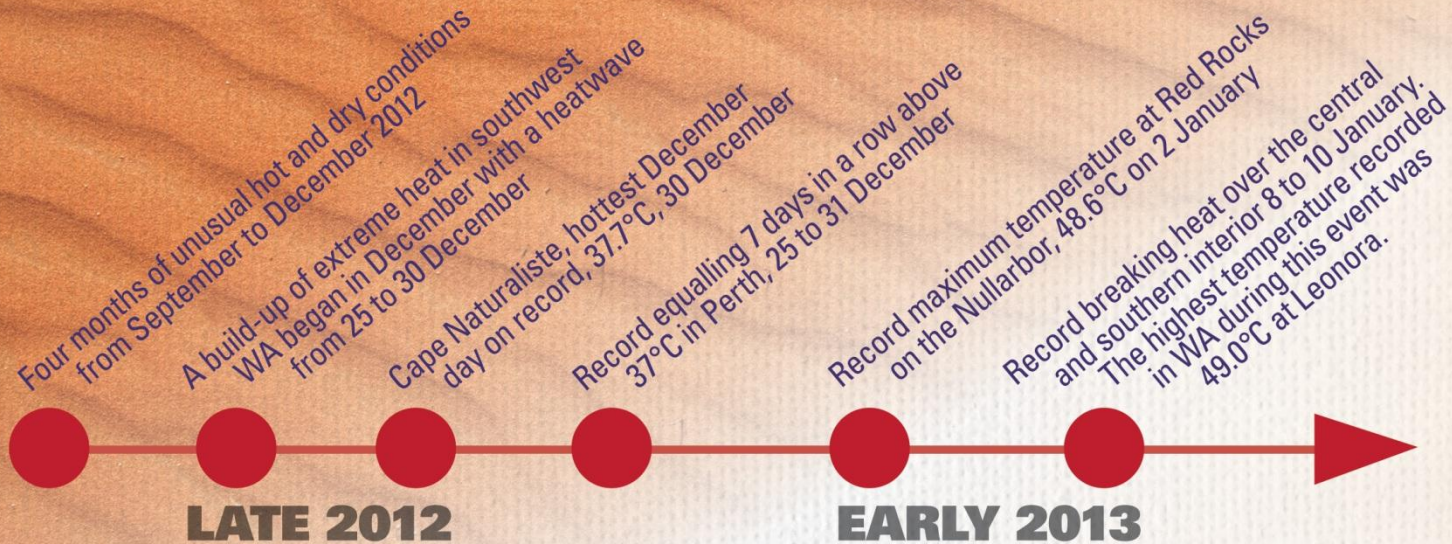
TROPICAL CYCLONE OSWALD – Former tropical cyclone Oswald caused extremely heavy rainfall to fall over Queensland and northern New South Wales. The low pressure system also caused high waves, storm surges and flooding.

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 230km/h and heavy rainfall.

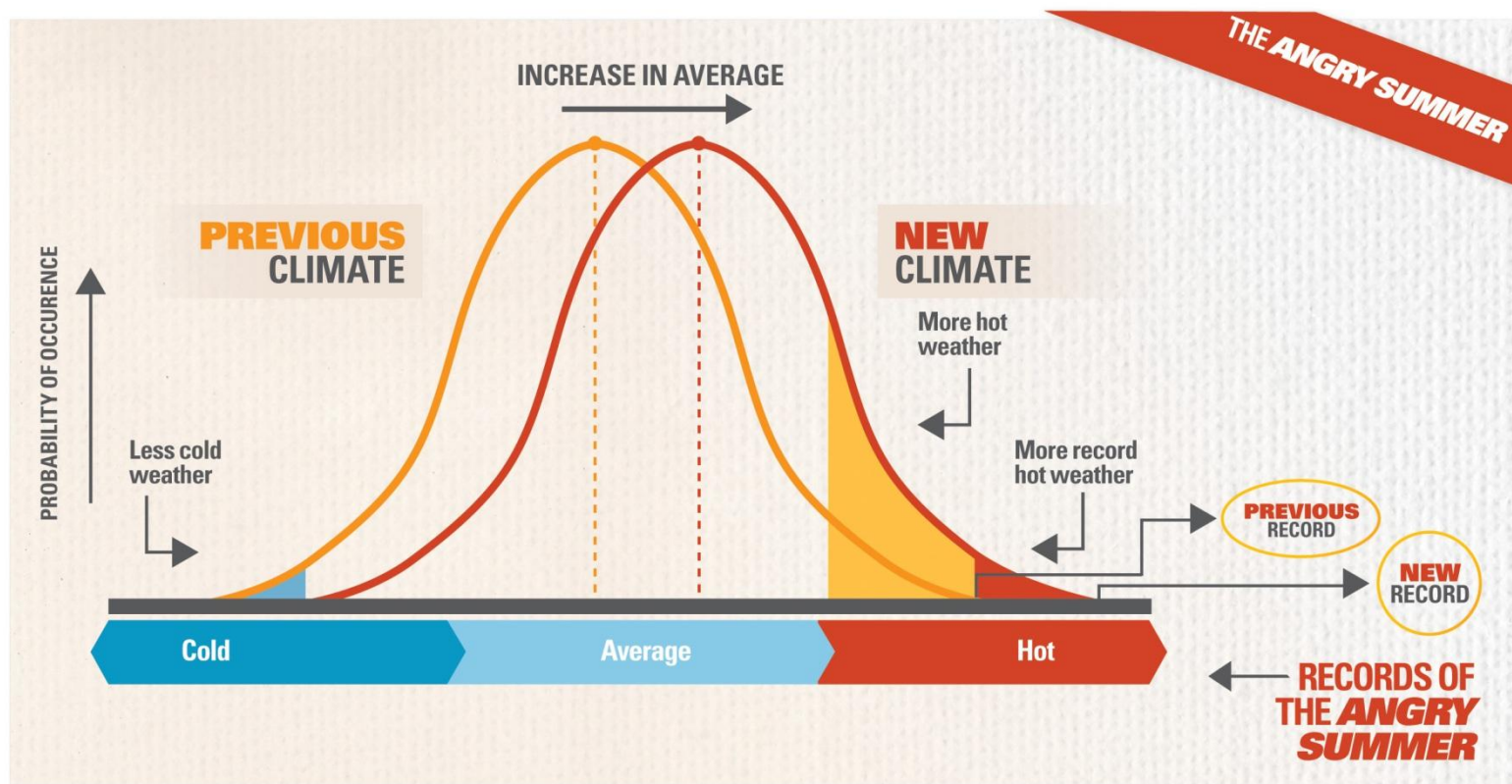
DATA SOURCES: BoM (2013a). Special Climate Statement 43 – extreme heat in January 2013. BoM (2013b). Special Climate Statement 44 – extreme rainfall and flooding in coastal Queensland and New South Wales. BoM (2013c). Tropical Cyclone advice number 38. BoM (2013d). Tropical Cyclone Oswald. BoM (2013f). Tasmania in January 2013: Record heat, little rain. RFS (2013a). Worst fire conditions in decades to hit NSW. RFS (2013b). More areas reach catastrophic fire danger rating.

Western Australia – TIMELINE OF EXTREME EVENTS

THE ANGRY SUMMER

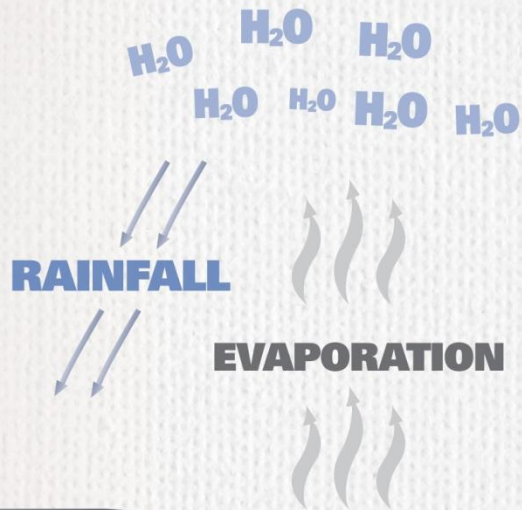


DATA SOURCE: BoM. (2013a). Special Climate Statement 43 – extreme heat in January 2013



SOURCE: Modified from: Intergovernmental Panel on Climate Change (IPCC). (2007). Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Solomon, S., Qin, D., Manning, M., Chen, Z., Marquis, M., Averyt, K., Tignor, M.M.B., Miller, H.L. Jr and Chen, Z. (eds). Cambridge, UK and New York, NY, USA: Cambridge University Press.

PREVIOUSLY



NOW

INCREASING RAINFALL
WITH HIGHER SURFACE
OCEAN TEMPERATURE

