## 2018 annual climate facts and events

Tropical cyclone *Joyce* and monsoon low cause flooding in Top End and north of Western Australia



Flooding from tropical cyclone Kelvin around Broome in February





Fourth-warmest spring for northern Australia

Late December heatwave affected much of Australia, particularly hot in the Pilbara; 49.3 °C at Marble Bar



Seventh-driest autumn on record for South West Western Australia





Second-driest autumn on record for southern Australia; September

driest on record





Many high temperature Australia during April

records across southern

Twelfth-driest year on record for Victoria



Significant fires at Tathra in March, Bega Valley in August to September

Severe storms with

giant hail in Sydney

and Central Coast in late December

Thunderstorms and severe flash flooding for Hobart and southeastern Tasmania in May



Extreme heatwave late November to early December; many fires in eastern Queensland



Sixth-driest year on record for **New South Wales** 



January heatwaves for the southeast; including 47.3 °C at Penrith











Third-warmest year on record; mean temperature 1.14 °C above average



Maximum temperature second-warmest on record; +1.55 °C above average



Warmest year on record for New South Wales; amongst top six for Victoria, Queensland, Tasmania, South Australia, Western Australia, and the Northern Territory



Second-warmest year on record for Hobart: amongst top eight for Sydney, Brisbane, Canberra, Adelaide, and Darwin



Annual rainfall 12% below average



Much of Queensland, New South Wales, Victoria, and eastern South Australia affected by drought



Pacific Ocean ENSO-neutral most of the year; positive Indian Ocean Dipole in spring



Sea surface temperature warmer than average, particularly for eastern Australian region

