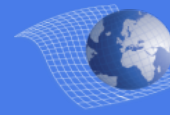


# Indian Ocean Dipole

## in Australia



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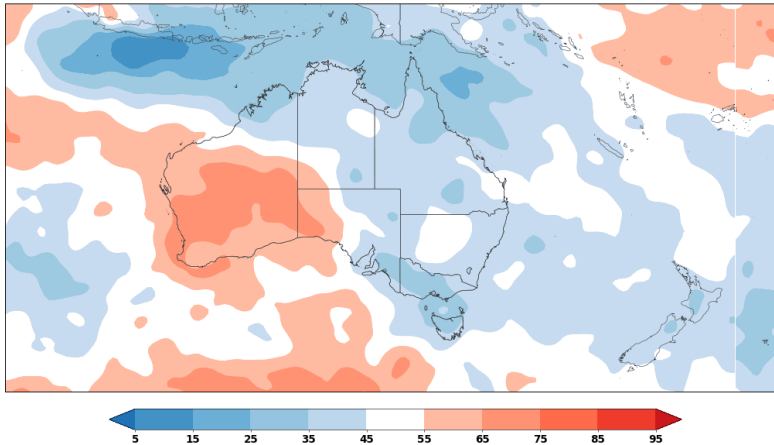
### Positive Phase - Summer      Negative Phase - Summer

Warmer SSTs in the Indian Ocean

Cooler SSTs in the Indian Ocean

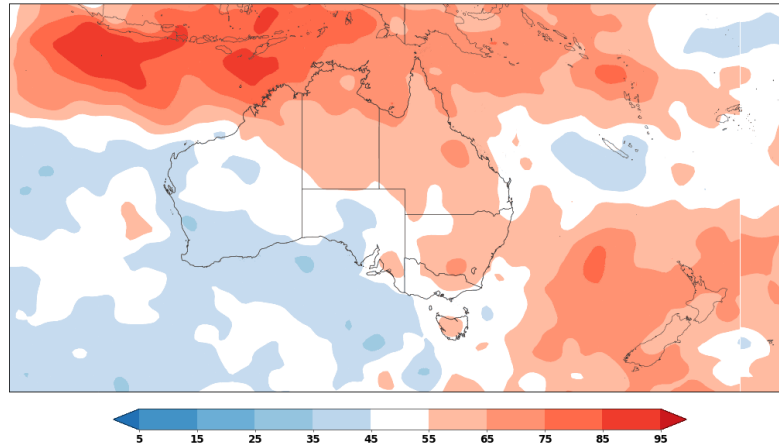
Percent of Years Having Above-Trend JUN-AUG 2m Temperature

1961 1963 1967 1972 1976 1982 1983 1991 1994 1997  
2003 2007 2008 2012 2015 2017 2018 2019 2020 2023



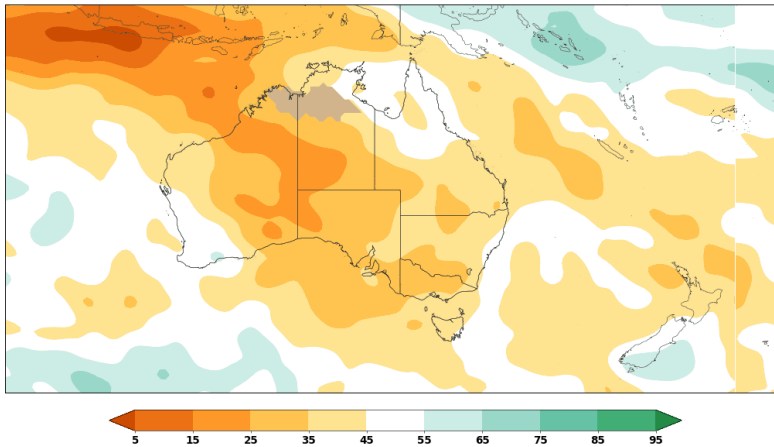
Percent of Years Having Above-Trend JUN-AUG 2m Temperature

1954 1956 1958 1959 1960 1969 1981 1984 1989 1992  
1995 1996 1998 2001 2005 2013 2014 2016 2021 2022



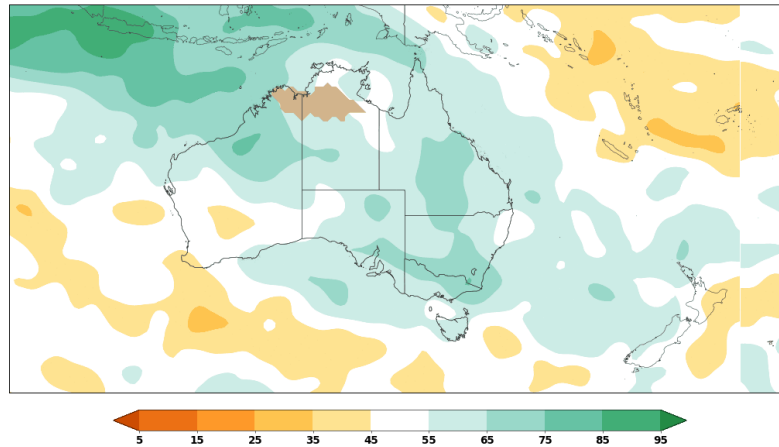
Percent of Years Having Above-Normal JUN-AUG Precipitation (ERA5 Reanalysis)

1961 1963 1967 1972 1976 1982 1983 1991 1994 1997  
2003 2007 2008 2012 2015 2017 2018 2019 2020 2023



Percent of Years Having Above-Normal JUN-AUG Precipitation (ERA5 Reanalysis)

1954 1956 1958 1959 1960 1969 1981 1984 1989 1992  
1995 1996 1998 2001 2005 2013 2014 2016 2021 2022



**More Heat in W Australia**  
**Less Heat in E Australia**  
**Less Rain**

**More Heat in N and E Australia**  
**Less Heat in W Australia**  
**More Rain**

The IOD is only one factor in a complex system that influences the Australian climate. Long-range forecasts provided in the WCS Monthly Reports are the best guide to the season ahead.



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<https://www.worldclimateservice.com/>