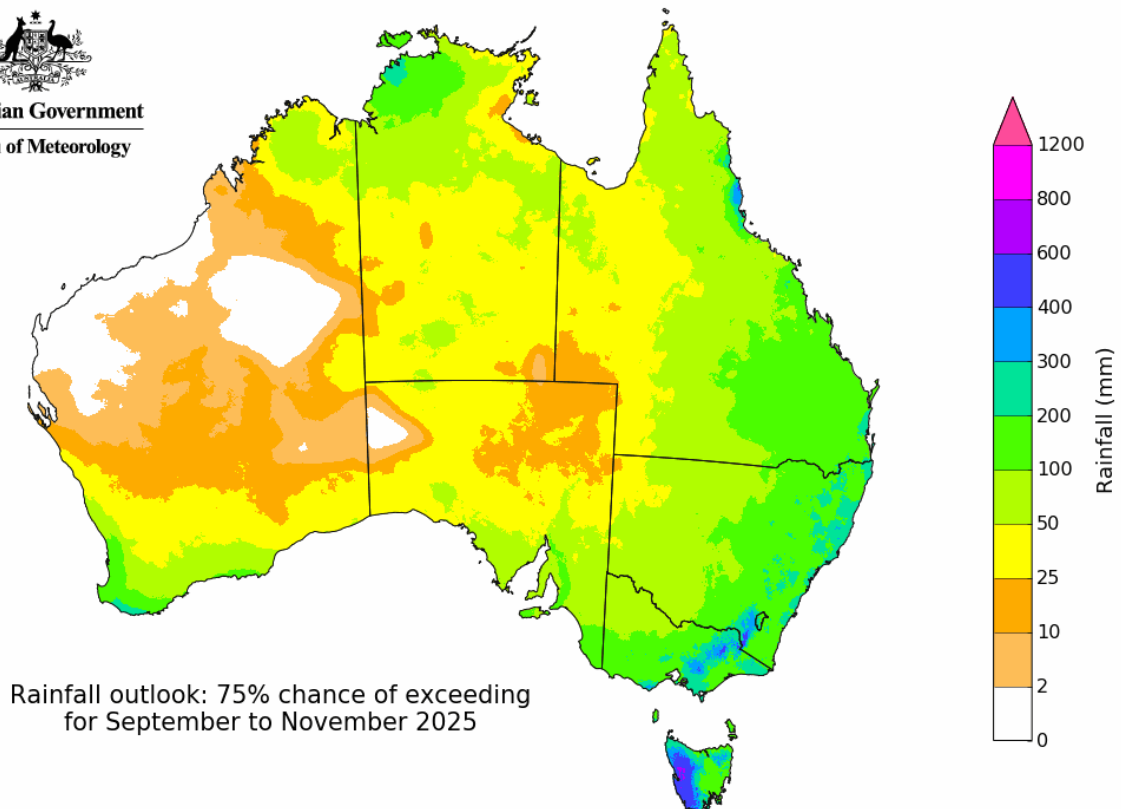


# Long-range Forecasts

User Guide - Version 1.3 – updated 28 August 2025



Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 28/08/2025

This [user guide](#) provides a summary of the Long-range Forecast gridded data and images available to Registered Users via FTP and Cloud (S)FTP.

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## Product Description

The long-range forecasts show the likelihood of the upcoming weeks, months and seasons being wetter or drier and warmer or cooler than usual.

## Products

Table 1 provides a list of products included in the Long-range Forecast Grids - Bundle (IDBC0002).

Product Code	Product Description	Update Frequency
IDCKO6MC1M	Long-range forecast chance of above median rainfall and temperature - monthly and seasonal - gridded (raw, 60 km) - Australia and global	Weekly
IDCKO6MCFM	Long-range forecast chance of above median rainfall and temperature – fortnightly - gridded (raw, 60 km) - Australia and global	Daily
IDCKO6MCWM	Long-range forecast chance of above median rainfall and temperature – weekly - gridded (raw, 60 km) - Australia and global	Daily
IDCKO5SC1M	Long-range forecast 'scenarios' - monthly and seasonal (calibrated, 5 km) - Australia	Weekly
IDCKO5SCFM	Long-range forecast 'scenarios' - fortnightly (calibrated, 5 km) - Australia	Daily
IDCKO5SCWM	Long-range forecast 'scenarios' – weekly (calibrated, 5 km) - Australia	Daily
IDCKO5CC1M	Long-range forecast 'chance of at least' - monthly and seasonal (calibrated, 5 km) – Australia	Weekly
IDCKO5CCFM	Long-range forecast 'chance of at least' - fortnightly (calibrated, 5 km) – Australia	Daily
IDCKO5CCWM	Long-range forecast 'chance of at least' - weekly (calibrated, 5 km) – Australia	Daily
IDCKO5XC1M	Long-range forecast anomalies - monthly and seasonal (calibrated, 5 km) – Australia	Weekly
IDCKO5XCFCM	Long-range forecast anomalies - fortnightly (calibrated, 5 km) – Australia	Daily
IDCKO5XCWM	Long-range forecast anomalies - weekly (calibrated, 5 km) – Australia	Daily
IDCKO6XC1M	Long-range forecast anomalies - monthly and seasonal (raw, 60 km) – global	Weekly
IDCKO6XCFCM	Long-range forecast anomalies - fortnightly (raw, 60 km) – global	Daily
IDCKO6XCWM	Long-range forecast anomalies - weekly (raw, 60 km) - global	Daily
IDCK000098	Long-range forecast 'chance of extremes' - weekly and fortnightly (calibrated, 5 km) – Australia	Daily
IDCK000099	Long-range forecast 'chance of extremes' monthly and seasonal (calibrated, 5 km) – Australia	Weekly
IDCK000105	Long-range forecast 'chance of a burst event' - weekly and fortnightly (calibrated, 5 km) – Australia	Daily

Table 1 List of products included in Long-range Forecast Grids - Bundle (IDBC0002)

## File Location

Files are available in the /clim\_data subdirectory of Registered Users' directories.

These products are available via cloud FTP (<ftp-reg.cloud.bom.gov.au>), SFTP (<sftp-reg.cloud.bom.gov.au>) and <ftp.bom.gov.au>.

## File Formats

NetCDF4, PNG (zipped)

## Data Availability Times

The expected approximate times for Long-range Forecast products to be available on Cloud (S)FTP and FTP are as follows:

- Weekly and fortnightly forecasts: Daily at 1115 UTC (9:15 pm AEST)
- Monthly and seasonal forecasts: Weekly, on Thursdays, at 0325 UTC (1:25 pm AEST)

## Sample Files

Sample long-range forecast files are available in the following location:

[ftp://ftp.bom.gov.au/anon/sample/catalogue/Long-range\\_Forecasts/](ftp://ftp.bom.gov.au/anon/sample/catalogue/Long-range_Forecasts/)

Please note that due to most browsers no longer supporting FTP, it is generally necessary to use an FTP client such as Filezilla to retrieve the sample files.

Alternatively, they can be accessed via Windows File Explorer by pasting the above link into the address bar.

## Product Details

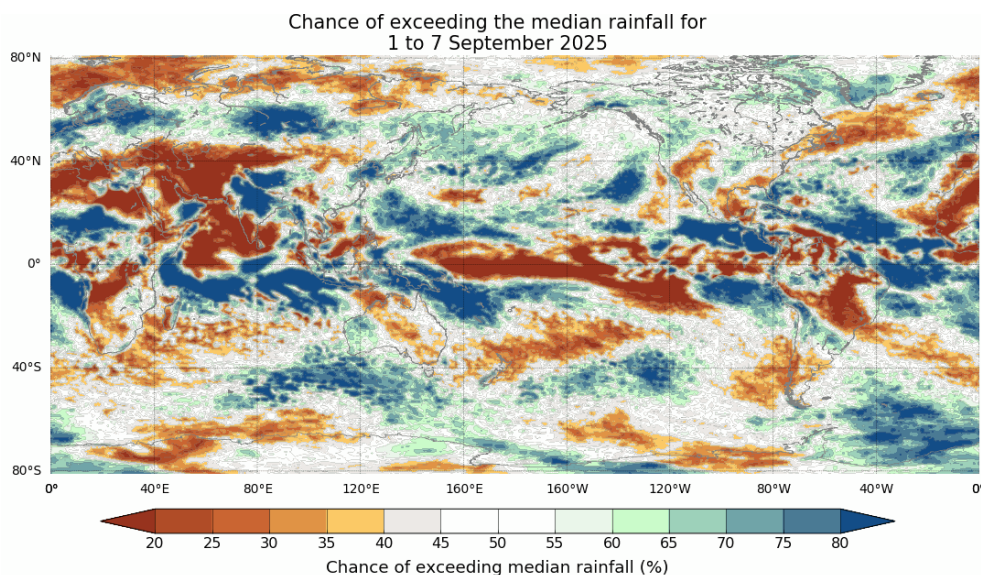
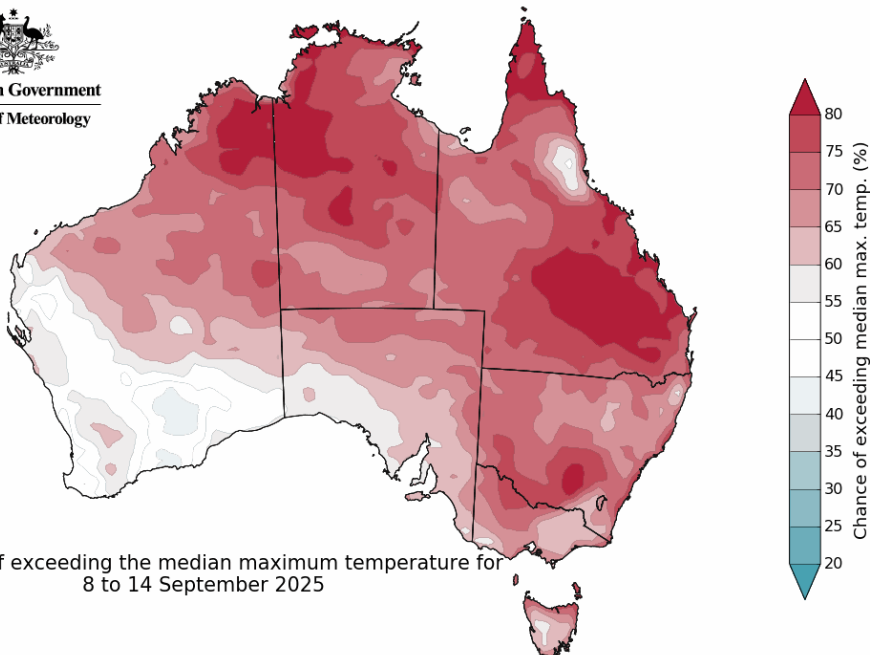
### Long-range forecast 'chance of above median' - rainfall and temperature – Australia and global

- weekly, fortnightly, monthly and seasonal (raw, 60 km)

- Product Codes IDCKO6MC1M, IDCKO6MCFM and IDCKO6MCWM

The forecast percentage chance of exceeding the median rainfall, median minimum temperature and median maximum temperature in week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time), fortnight 3 (11 days lead time), month 1 (1 month lead time), month 2 (2 month lead time), season 1 (1 month lead time) and season 2 (2 month lead time). Examples of PNG files are shown below.

  
Australian Government  
Bureau of Meteorology



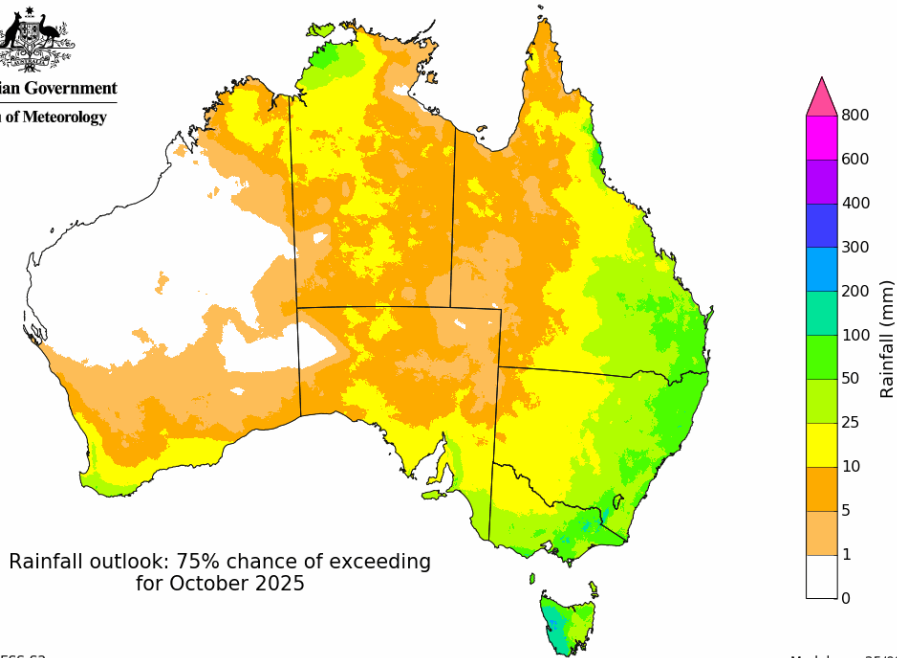
## Long-range forecast 'scenarios' – rainfall - Australia

- weekly, fortnightly, monthly and seasonal (calibrated, 5 km)

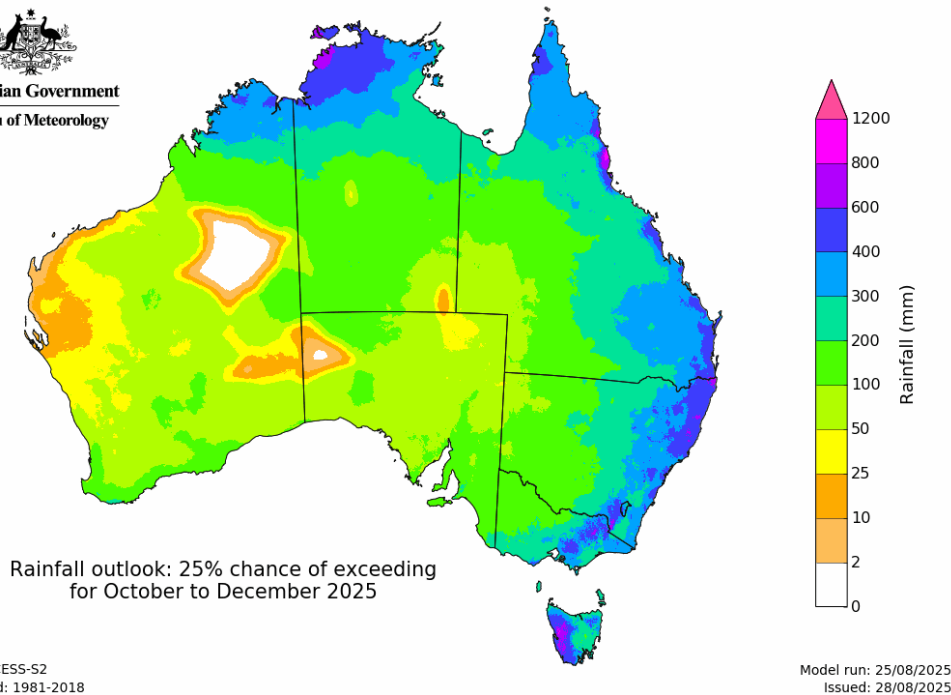
- Product Codes IDCKO5SC1M, IDCKO5SCFM and IDCKO5SCWM

Rainfall totals that have a 25%, 50% and 75% forecast chance of exceedance in week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time), fortnight 3 (11 days lead time), month 1 (1 month lead time), month 2 (2 month lead time), season 1 (1 month lead time) and season 2 (2 month lead time). Examples of PNG files are shown below.

  
Australian Government  
Bureau of Meteorology



  
Australian Government  
Bureau of Meteorology



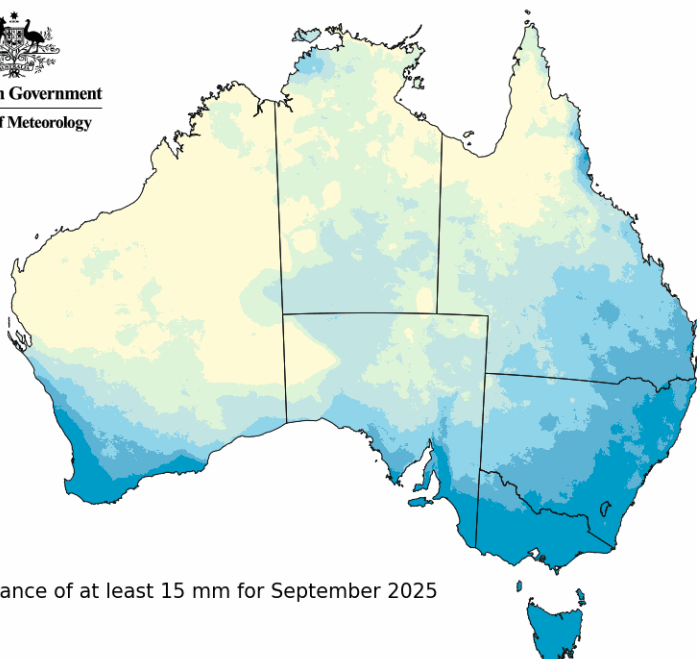
## Long-range forecast 'chance of at least' – rainfall - Australia

- weekly, fortnightly, monthly and seasonal (calibrated, 5 km)

- Product Codes IDCKO5CC1M, IDCKO5CCFM and IDCKO5CCWM

The forecast percentage chance of at least 1, 5, 10, 15, 25, 50, 100, 150, 200, 250, 300, 400, 500, 600 or 700 mm of rainfall occurring in week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time), fortnight 3 (11 days lead time), month 1 (1 month lead time), month 2 (2 month lead time), season 1 (1 month lead time) and season 2 (2 month lead time). Examples of PNG files are shown below.

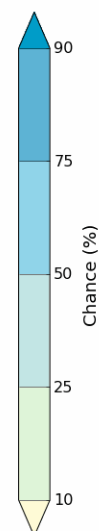
  
Australian Government  
Bureau of Meteorology



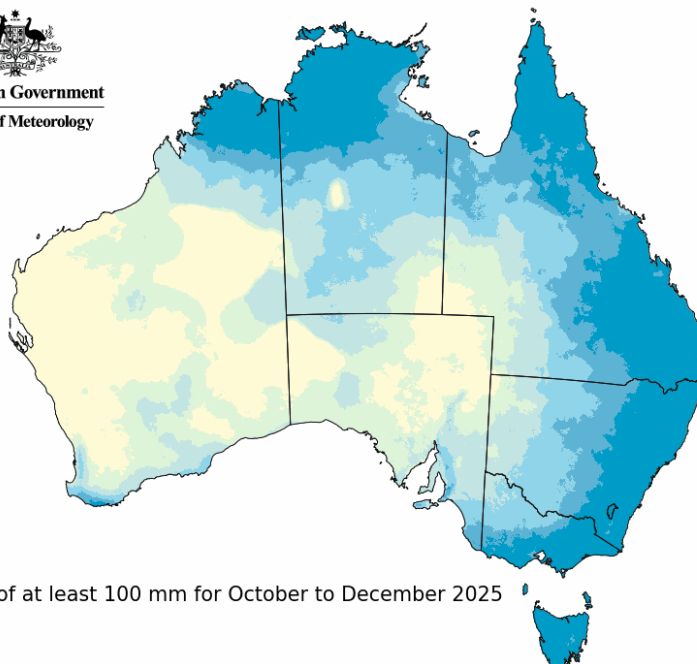
Chance of at least 15 mm for September 2025

Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 28/08/2025



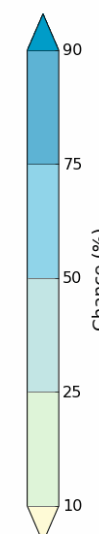
  
Australian Government  
Bureau of Meteorology



Chance of at least 100 mm for October to December 2025

Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 28/08/2025

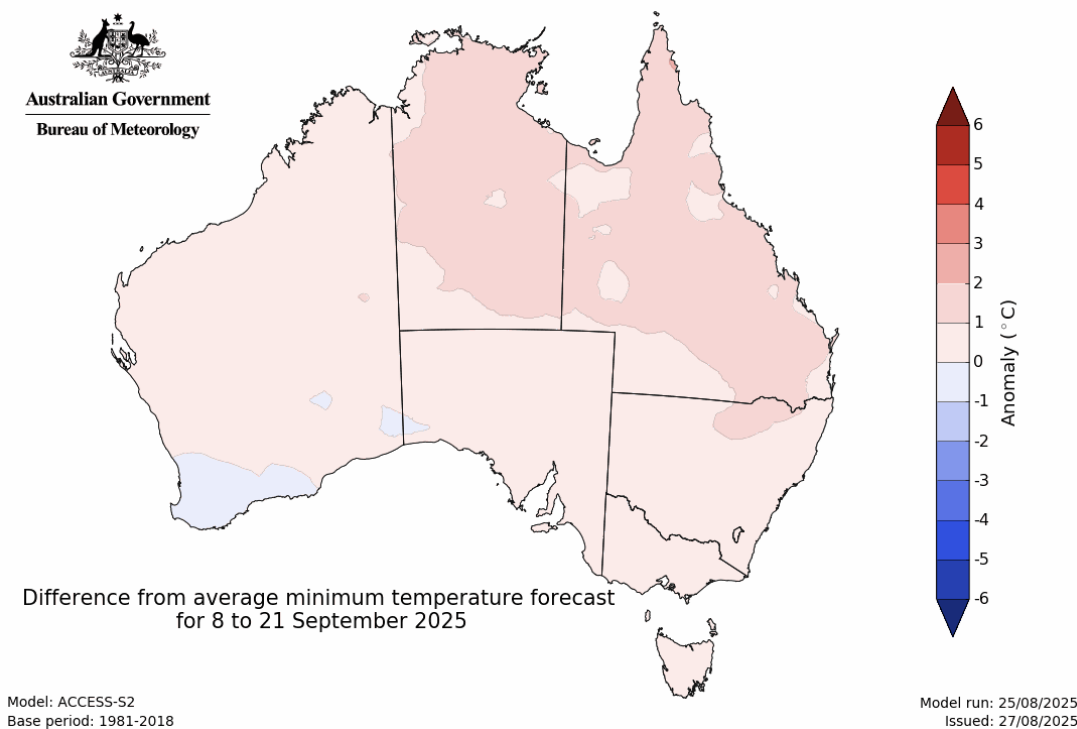
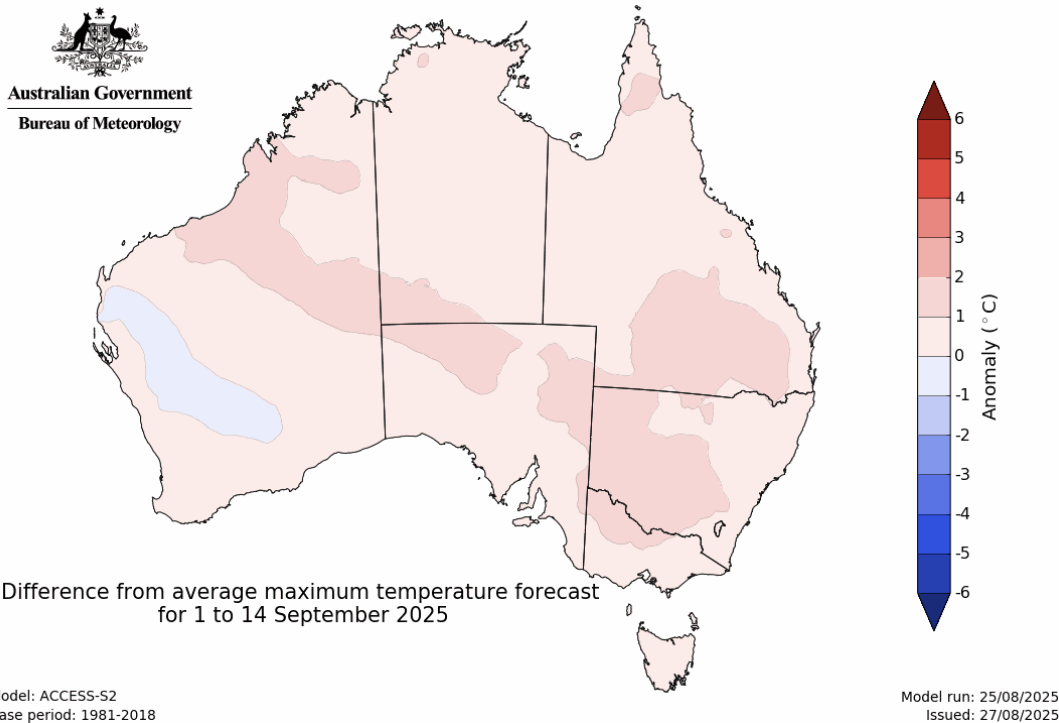


## Long-range forecast anomalies – temperature - Australia

- weekly, fortnightly, monthly and seasonal (calibrated, 5 km)

- Product Codes IDCKO5XC1M, IDCKO5XCFM and IDCKO5XCWM

The forecast difference from average maximum and minimum temperatures in week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time), fortnight 3 (11 days lead time), month 1 (1 month lead time), month 2 (2 month lead time), season 1 (1 month lead time) and season 2 (2 month lead time). Examples of PNG files are shown below.



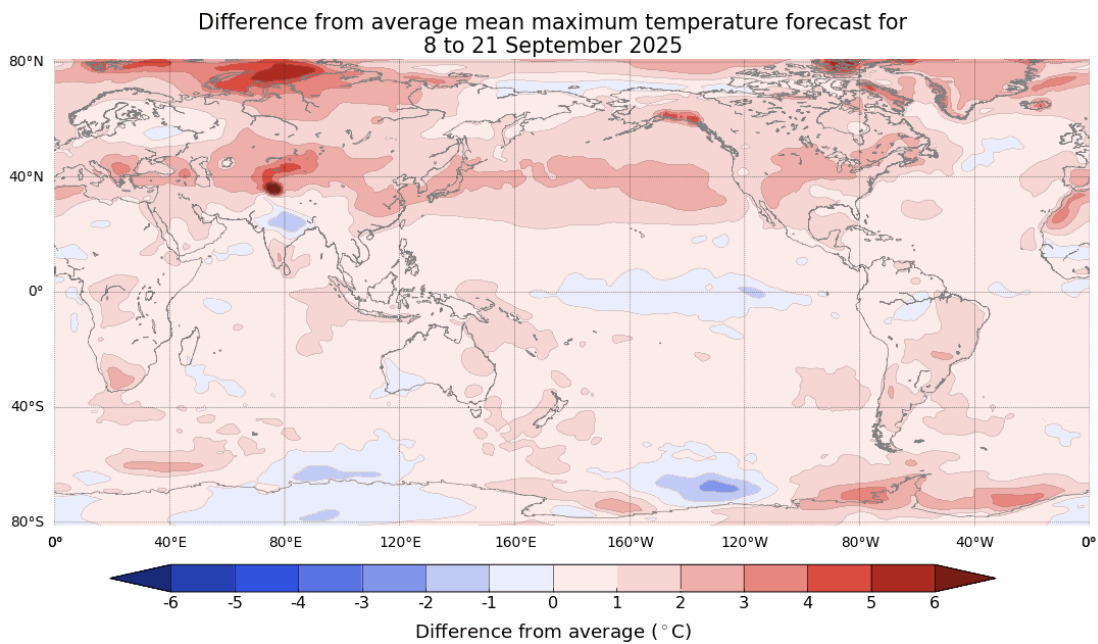


## Long-range forecast anomalies – temperature – global

- weekly, fortnightly, monthly and seasonal (raw, 60 km)

- Product Codes IDCKO6XC1M, IDCKO6XCFM and IDCKO6XCWM

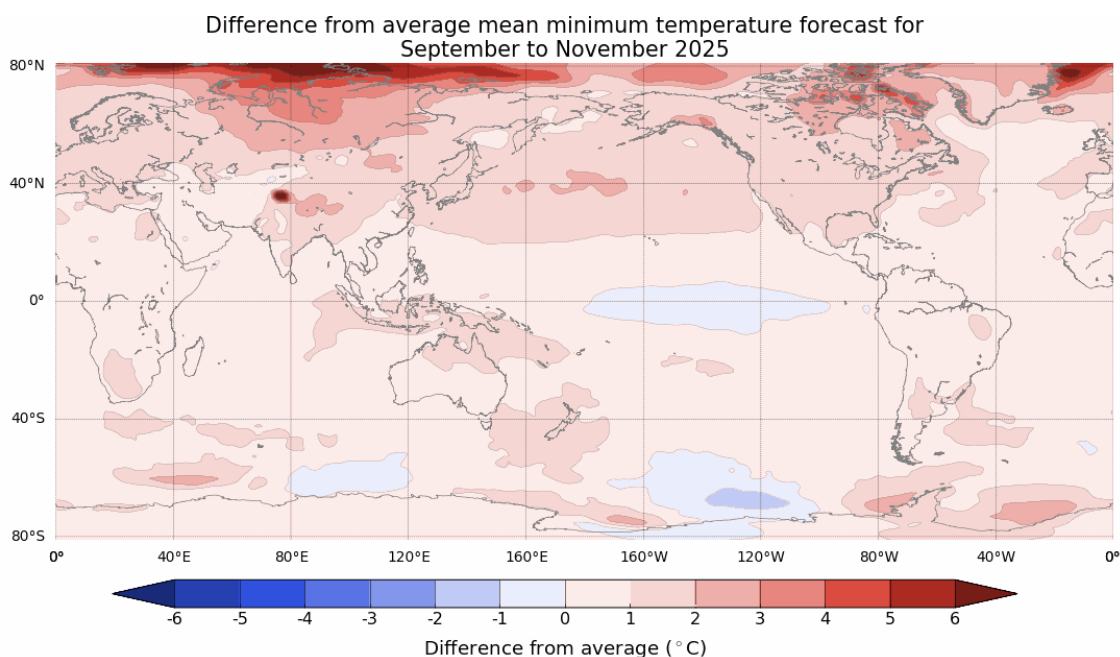
The forecast difference from average maximum and minimum temperatures in week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time), fortnight 3 (11 days lead time), month 1 (1 month lead time), month 2 (2 month lead time), season 1 (1 month lead time) and season 2 (2 month lead time). Examples of PNG files are shown below.



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Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 27/08/2025



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Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 28/08/2025

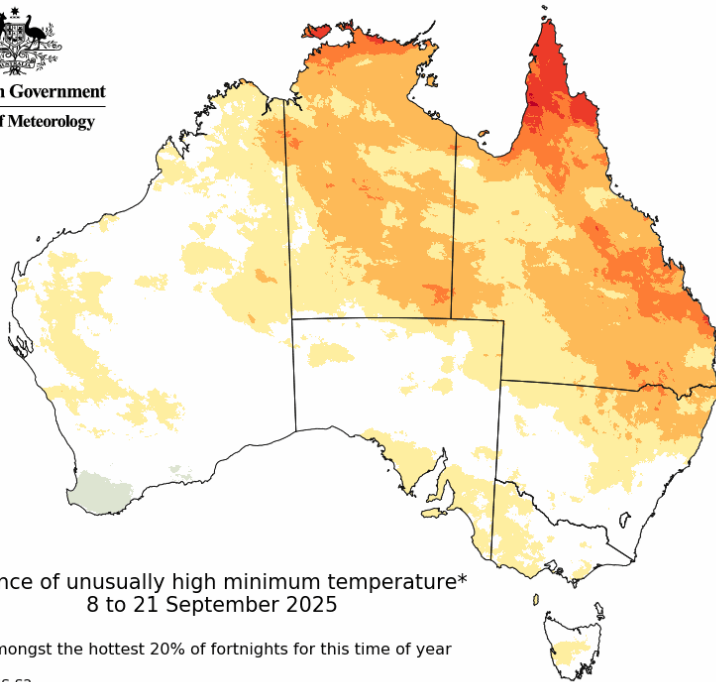
## Long-range forecast 'chance of extremes' – rainfall and temperature - Australia

- weekly and fortnightly (calibrated, 5 km)

- Product Code IDCK000098

The forecast percentage chance of rainfall or temperatures in the top or bottom 20% of historical observations in week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time), fortnight 3 (11 days lead time). Examples of PNG files are shown below.

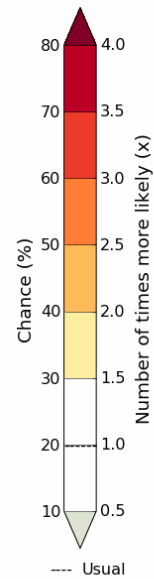
  
Australian Government  
Bureau of Meteorology



Chance of unusually high minimum temperature\*  
8 to 21 September 2025

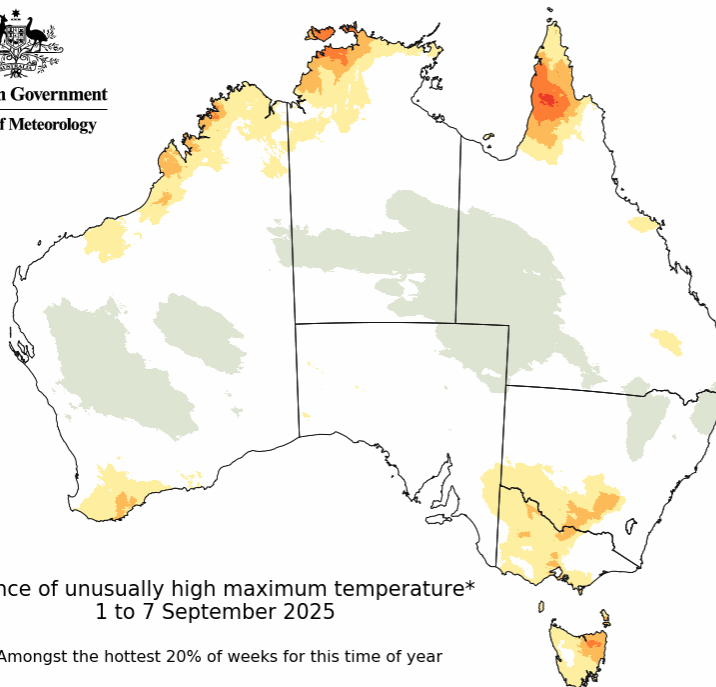
\*Amongst the hottest 20% of fortnights for this time of year

Model: ACCESS-S2  
Base period: 1981-2018



Model run: 25/08/2025  
Issued: 27/08/2025

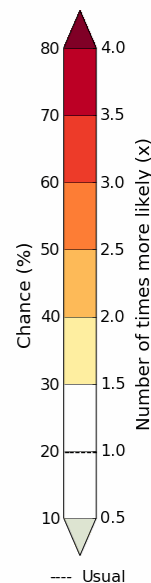
  
Australian Government  
Bureau of Meteorology



Chance of unusually high maximum temperature\*  
1 to 7 September 2025

\*Amongst the hottest 20% of weeks for this time of year

Model: ACCESS-S2  
Base period: 1981-2018



Model run: 25/08/2025  
Issued: 27/08/2025

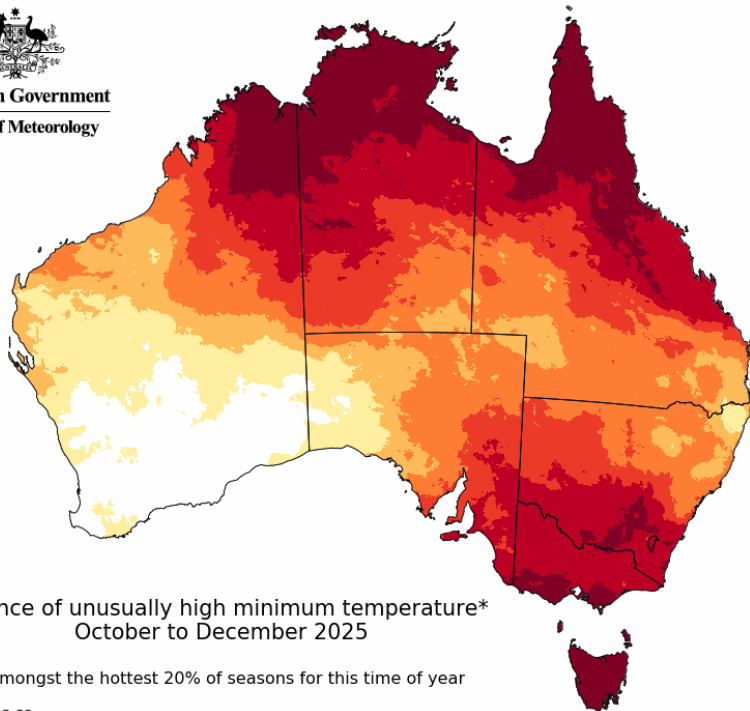
## Long-range forecast 'chance of extremes' – rainfall and temperature - Australia

- monthly and seasonal (calibrated, 5 km)

- Product Code IDCK000099

The forecast percentage chance of rainfall or temperatures in the top or bottom 20% of historical observations in month 1 (1 month lead time), month 2 (2 month lead time), season 1 (1 month lead time) and season 2 (2 month lead time). Examples of PNG files are shown below.

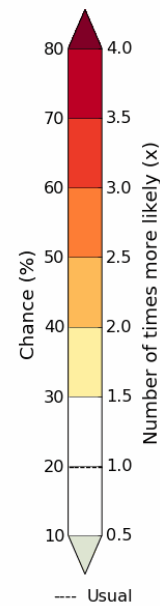
  
Australian Government  
Bureau of Meteorology



Chance of unusually high minimum temperature\*  
October to December 2025

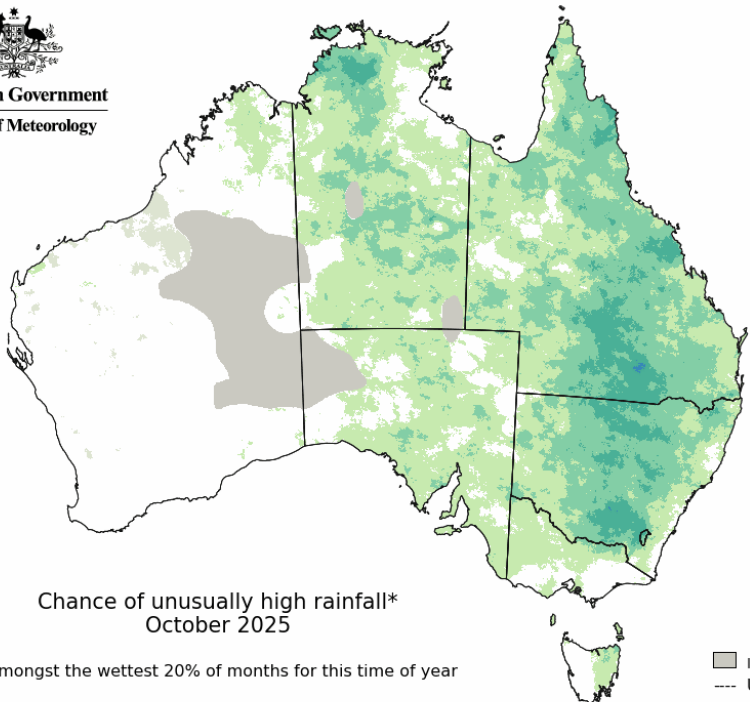
\*Amongst the hottest 20% of seasons for this time of year

Model: ACCESS-S2  
Base period: 1981-2018



Model run: 25/08/2025  
Issued: 28/08/2025

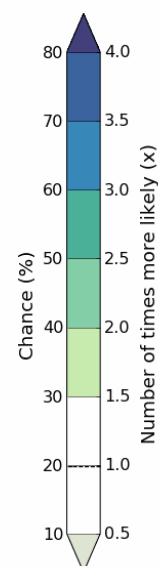
  
Australian Government  
Bureau of Meteorology



Chance of unusually high rainfall\*  
October 2025

\*Amongst the wettest 20% of months for this time of year

Model: ACCESS-S2  
Base period: 1981-2018



■ Insufficient long-term observations  
--- Usual

Model run: 25/08/2025  
Issued: 28/08/2025

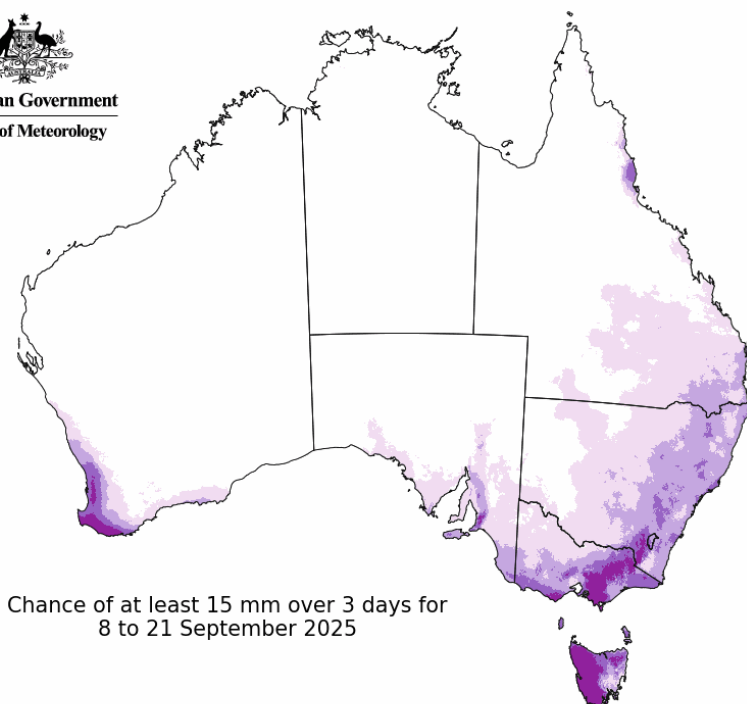
## Long-range forecast 'chance of a burst event' – rainfall - Australia

- weekly and fortnightly (calibrated, 5 km) – Australia

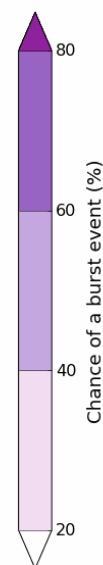
- Product Code IDCK000105

The forecast percentage chance of receiving at least 15, 25, 50 or 75 mm over three consecutive days within week 2 (4 days lead time), week 3 (11 days lead time), fortnight 2 (4 days lead time) or fortnight 3 (11 days lead time). Examples of PNG files are shown below.

  
Australian Government  
Bureau of Meteorology



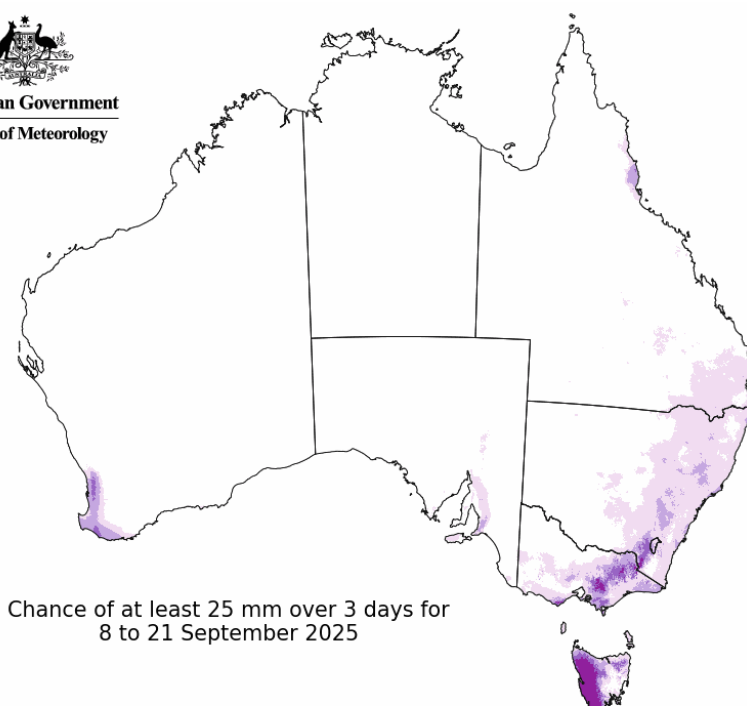
Chance of at least 15 mm over 3 days for  
8 to 21 September 2025



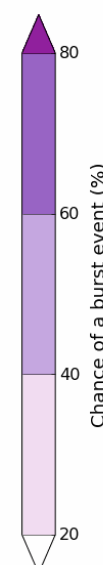
Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 27/08/2025

  
Australian Government  
Bureau of Meteorology



Chance of at least 25 mm over 3 days for  
8 to 21 September 2025



Model: ACCESS-S2  
Base period: 1981-2018

Model run: 25/08/2025  
Issued: 27/08/2025

## Additional Information

More information can be found here: [About the long-range forecasts \(bom.gov.au\)](#)

## Contact Us

For enquiries about real-time data please email [webreg@bom.gov.au](mailto:webreg@bom.gov.au)