

CottonInfo: Moisture Manager, 7 October

[View this email in your browser](#)

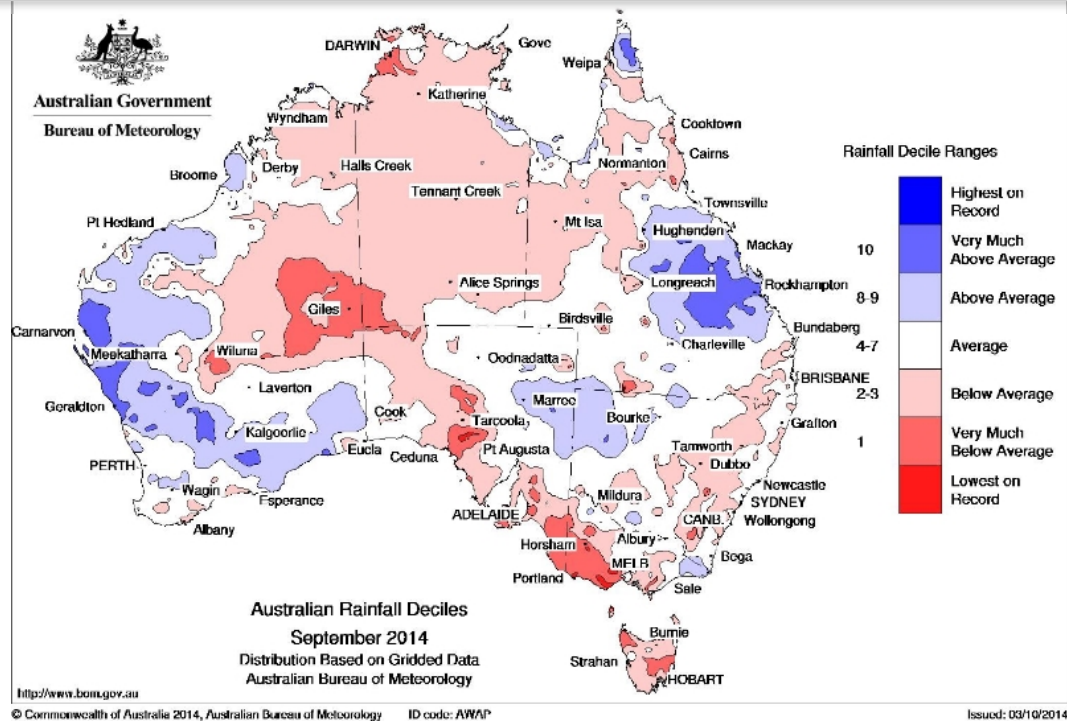


Welcome to the CottonInfo Moisture Manager

In this edition:

- [Observed rainfall deciles \(September\):](#)
- [Latest weather news:](#)
- [The Southern Annular Mode:](#)
- [Summary of climate indicators:](#)
- [Rainfall and temperature guidance summary:](#)

Observed rainfall deciles (September):



Latest weather news:

- Latest Bureau Of Meteorology models indicate sea surface temperature indices exceeding El Niño thresholds during 2014/15 summer.
- Southern Oscillation Index at odds with Niño 3.4 Sea Surface Temperature index, now moving towards zero, currently [30 day average SOI](#) = -5 providing some optimism for later spring rainfall.
- The Southern Annular Mode currently neutral, trending positive for the rest of October, assisting moisture supply during spring.
- Multi-week rainfall guidance showing above average temperatures and the chance of a weak rainfall event mid-October.
- Australian [CliMate App](#) showing stored soil moisture deficits for the majority of cotton regions.

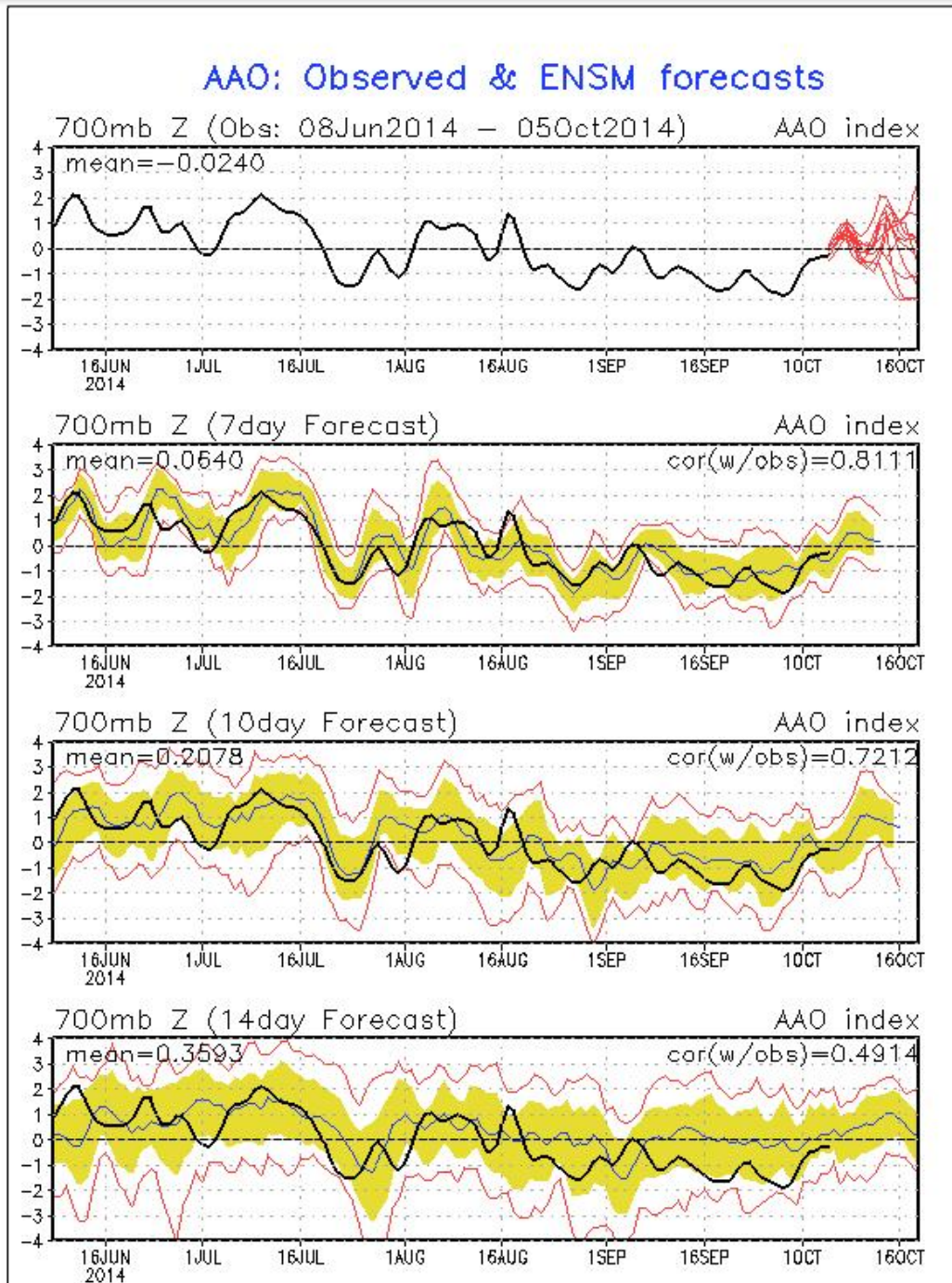
[Subscribe](#)[Share ▼](#)[Past Issues](#)[Translate](#)

Location	How Wet? Stored soil moisture (fallow out of wheat 2013)
Emerald	36 percent (92mm)
St George	19 percent (48mm)
Boggabilla	28 percent (71mm)
Bellata	49 percent (125mm)
Breeza	46 percent (117mm)
Warren	55 percent (103mm)
Hay	11 percent (10mm)

The Southern Annular Mode:

- The SAM is a significant driver of eastern Australian climate during cotton planting time.
- The SAM influences moisture circulation patterns from the Tasman and Coral Sea regions into fronts and troughs forming in inland regions.
- A positive SAM, historically has had a positive influence on spring rainfall. The chart below shows the SAM currently in a neutral/negative phase and forecast to enter a positive phase in mid-October.

The Southern Annular Mode (or Antarctic Oscillation Index) Observed and Forecasts (Source: [NOAA \(US\)](#)):



Summary of climate indicators:

For more information on what the climatic indicators mean, [click here](#).

Subscribe

Share ▼

Past Issues


Translate


Measure	Indicator	Current Status	Forecast Trend
Sea Surface Temperature Indices 	Pacific Ocean – Niño 3.4	+0.4	 Dry
	Pacific Ocean – Composite Index	+0.2	 Dry
	Indian Ocean	0.0	 Neutral
Mean Sea Level Air Pressure 	Southern Oscillation Index	-5	 Neutral
	Southern Annular Mode	0.0	 Wet
Tasman Sea Upper Atmospheric Air Pressure 	Blocking	-20	 Neutral


Rainfall and temperature guidance summary:

Source	Model Released	Temperature Forecast (4 weeks)	Precipitation Outlook (4 weeks)
BOM Extreme Heat Model (AUS)	5 Oct	Moderate heat through most of October	N/A
BOM (Aust) and POAMA2	5 Oct	Average/Slightly above	Below Average
JMA (JPN)	3 Oct	Average	A weak rain event mid-October for QLD Remainder Dry
GFS (NCEP USA) 16 day outlook	6 Oct	N/A	A weak rain event 14-16 Oct

NB: Models reasonably aligned on average to above-average temperatures for October

 Share

 Tweet

 Forward



Subscribe

Share ▼

Past Issues

Translate

[unsubscribe from this list](#) [update subscription preferences](#)

Before relying on the material in any important matter, users should carefully evaluate its accuracy, currency, completeness and relevance for their purposes, and should obtain any appropriate professional advice relevant to their particular circumstances. Next update: 20 October.

Header photo courtesy Cotton Australia and Jamie Condon.