

CottonInfo: Moisture Manager, 22 Sept

[View this email in your browser](#)



Welcome to the CottonInfo Moisture Manager

In this edition:

- [Reminder: seasonal forecasting outlook webinar, Friday 3 Oct.](#)

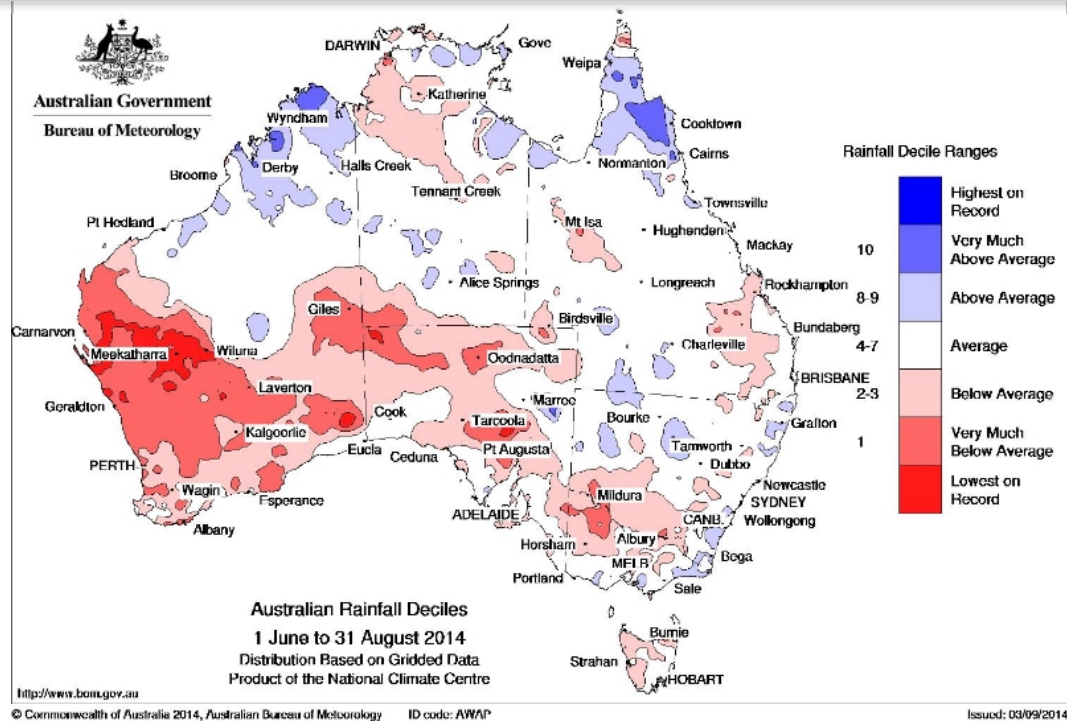
Observed rainfall deciles (June-August):

Subscribe

Share ▼

Past Issues

Translate



Latest weather news:

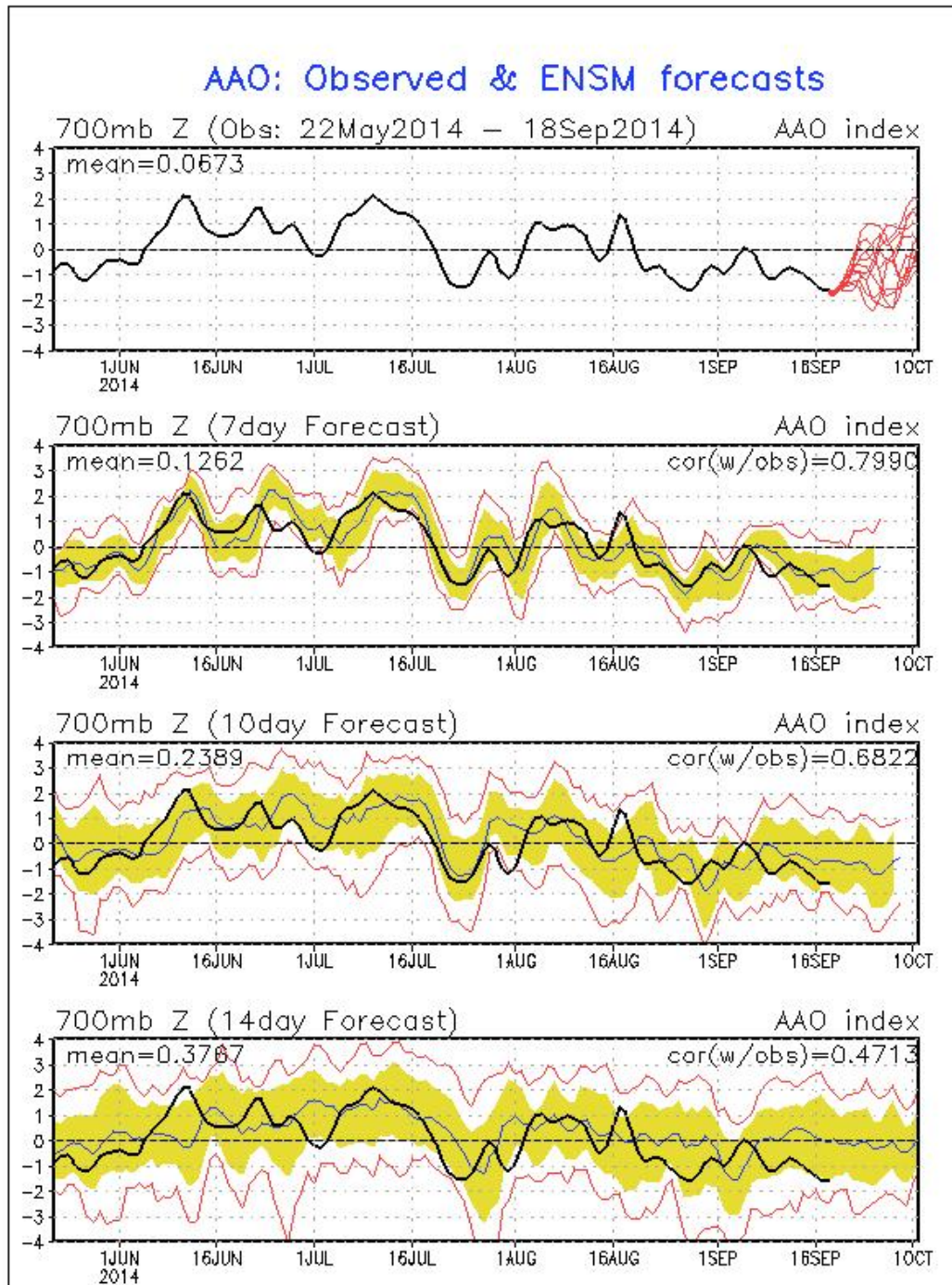
- Latest Bureau of Meteorology models show a change from neutral conditions worsening towards El Niño thresholds by years end.
- Niño 3.4 Sea surface temperature index coupling with the SOI, currently [30 day average SOI = -10](#) providing the greatest concern for spring rainfall prospects.
- The Southern Annular Mode currently in a negative phase creating a drier, westerly circulation pattern.
- International GCM's favour higher than normal temperatures and lower than normal precipitation in the next three months.
- The [AEGIC](#) analysis of analogue years shows a trend towards a dry October and above average rainfall in November.

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 stay below zero until the beginning of 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	+0.3		Dry
	Pacific Ocean – Composite Index	+0.1		Neutral
	Indian Ocean	0.0		Neutral
Mean Sea Level Air Pressure 	Southern Oscillation Index	-10		Dry
	Southern Annular Mode	-2.0		Dry
Tasman Sea Upper Atmospheric Air Pressure 	Blocking	0.0		Dry

Rainfall and temperature guidance summary:

Source	Model Released	Temperature Forecast (monthly)	Precipitation Outlook
Jamstec (JPN)	25 Aug	Above Average	Average/Below
ECMWF (UK)	10 Sept	Above average	Average/Below
UK Met (UK)	8 Sept	Average/Slightly above	Average/Slightly above
BOM (AUS)	28 Aug	Above average in South	Average/Below
BOM Extreme Heat Model	14 Sept	N/A	No extremes predicted for October
IRI (USA)	19 Sept	Above average	Average
BOM (Aust) and POAMA2	14 Sept	Average/Slightly above	Below Average
JMA (JPN)	17 Sept	Average/Slightly above	A rain event mid-october
AEGIC ENSO Summary	10 Sept	N/A	Below average October Above average November

NB: Models reasonably aligned on above average temperatures and drier spring conditions

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

Reminder: seasonal forecasting outlook webinar, Friday 3 Oct.

A reminder that next Friday, 3 October, CottonInfo's Climate Technical Specialist Jon Welsh will be hosting a webinar focusing on the weather for the coming summer crop. The webinar will feature a roundup of current soil moisture conditions and the output from a range of General Circulation Models on temperature and rainfall predictions for the next three months.

It will also cover multi-week forecasting models, Streamflow predictions from the Bureau of Meteorology and reports from the Australian Export Grains Innovation Centre.

If you are yet to register, please do so today by [clicking here!](#)



is a joint initiative of



Australian Government
Grains Research and
Development Corporation



COTTON
AUSTRALIA

Best Practice



Copyright © 2014 CottonInfo, All rights reserved.

[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: 6 October.

Header photo courtesy Cotton Australia and Jamie Condon.