



Region Information:

Regional Filter: Off On






Moisture Manager Update
24 March, 2014



- A positive Southern Annular Mode assisting with moisture circulation in eastern Australia through the remainder of March
- Warm local sea surface temperatures in the Tasman Sea currently providing convective moisture into eastern Australia
- A weak Madden-Julian Oscillation forecast to pass through the eastern Australia in the second week of April
- High confidence of tropical cyclone formation in the Arafura Sea out to 25 March
- New Sea Surface Temperature predictions in the Tropical Pacific Ocean showing unfavourable conditions for convective moisture supply in the winter and spring seasons of 2014
- SOI continues in the recent negative phase, currently -13

1. **Summary of Climatic Indicators**

Measure	Indicator	Preferred Status	Current Status	Indicator Range	Forecast
	Pacific Ocean – Niño 3.4	Negative	-0.4	<-0.5 La Niña >+0.5 El Niño	↑
	Pacific Ocean – Composite Index	Negative	+0.3	<-0.5 La Niña >+0.5 El Niño	→
	Indian Ocean	Negative	-0.2	<-0.5 Negative IOD >+0.5 Positive IOD	→
	Southern Oscillation Index	Positive	-13	<-5 Negative Phase >+5 Positive Phase	↓
	Southern Annular Mode	Positive	1	-3< SAM >+3	↑
	Blocking	Positive	0	-60< B.I >+60	→

2. **Rainfall and Temperature Guidance Summary (21 March, 2014)**

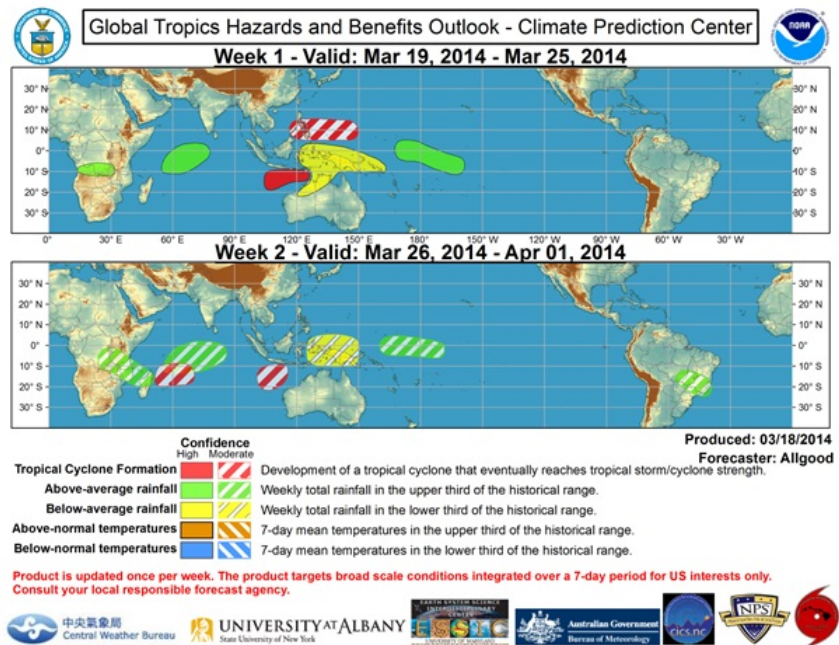
Source	Model Released	Temperature Forecast (monthly)	Precipitation Monthly Outlook
ECMWF	1st March	above average April - June	average April - June
IRI Columbia (US)	21st March	average April - June	average April - June
BOM (Aust) and POAMA2	16th March	average April - June	average April - June
BOM Heat Wave Forecast	21st March	no heat waves forecast	
UK Met	17th March	above average April - June	average April - June

Key Points:

- No clear signal for either wet or dry precipitation for the April-June period
- Most models showing a trend towards average temperatures through the April-June period

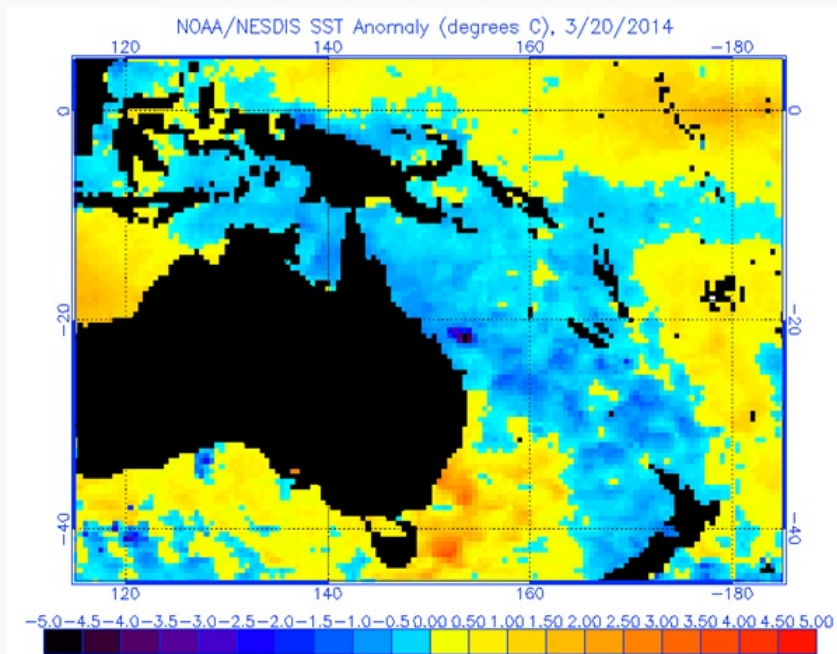
3. **Tropical Cyclone Activity Forecasts**

The United States Climate Prediction Centre is showing increased potential for the development of Tropical Cyclone activity in north-eastern Australia in the next two week period.



The [US Climate Prediction Centre](#) update (19 March, 2014):

4. Australian Sea Surface Temperature Anomalies



Source: [US CPC](#), 20th March, 2014

Next Update: 7 April, 2014

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.

