

Verification of the 28 day TC forecast

Bureau of Meteorology



Long Range (4 week) Tropical Cyclone Outlook 105°E to 130°E

Issue Time: 1500 WST Fri 30 Mar 2018 Next Issue: 1500 WST Tue 03 Apr 2018 Issued By Pete Clegg Contact Phone 08 9263 2205

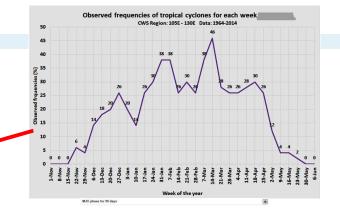
The April tropical cyclone risk is Low.

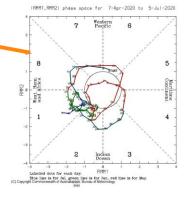
There is a Very Low tropical cyclone risk during the first week as there is no model guidance developing a system in the region.

The Madden Julian Oscillation (MJO) is strengthening as it moves from the Western Pacific into the western Hemisphere which typically coincides with a period of suppressed tropical activity for the region. It is likely to maintain an easterly track for the next fortnight, suggesting conditions will remainless favourable for tropical activity across Australia and the Maritime Continent during that period Towards the end of the month guidance indicates the MJO is likely to be weakening and becoming indiacernable which would also suggest less risk of enhanced thunderstorm and tropical activity.

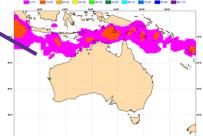
For Week 2 through to Week 4 longer term model guidance shows that the risk of a TC in the region is around normal for this time of year. A normal risk for April is Low, dropping into the lower bounds of Low later in the month. Without any strong signal to deviate from normal, the risk is set at Low.

Forecast Date	105°E-130°E			
Next Week Mon 02 - Sun 08	Very Low Risk			
	No significant tropical systems within the region and none expected to develop in the next seven days.			
Week 2 Mon 09 - Sun 15	Low Risk			
	No strong signal in the guidance suggesting the normal risk for this time of year which is Low.			
Week 3 Mon 16 - Sun 22	Low Risk			
	No strong signal in the guidance suggesting the normal risk for this time of year which is Low.			
Week 4 Mon 23 - Sun 29	Low Risk			





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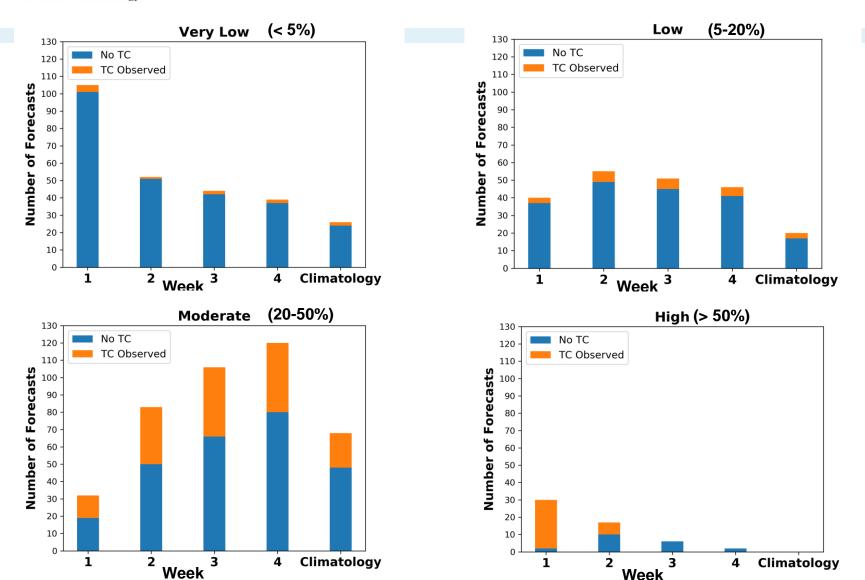


This service is based in part on data and products of the European Centre for Medium-range Weather Forecasts.



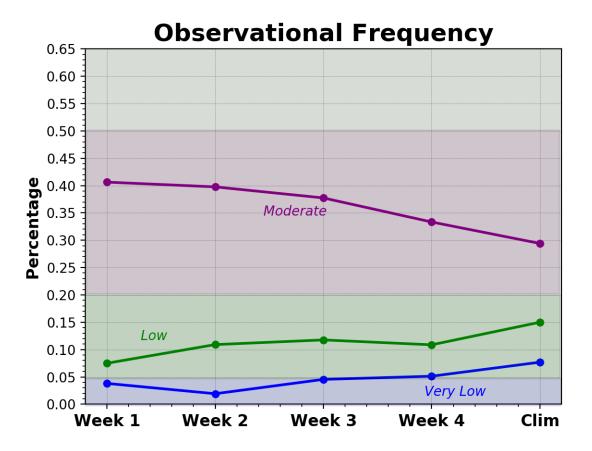
Categorical Ratings

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Observational frequency of the Categorical Ratings



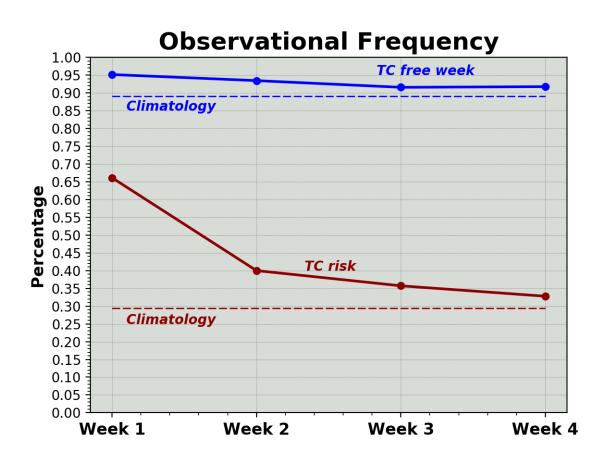


Australian Government

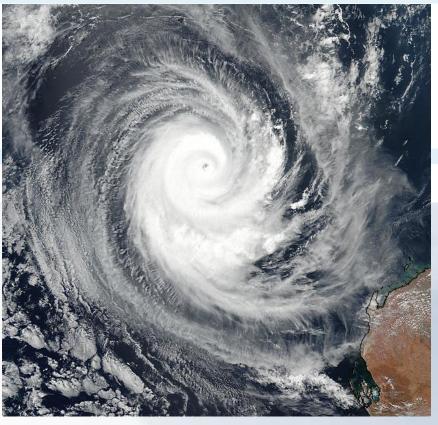
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		TC Observed		
		YES	NO	
TC Forecast	YES	hits	False alarms	
Moderate or High	NO	misses	correct negatives	
TC Risk	hits	Moderate or high forecast and TC observed Low or Very Low forecast and TC observed		
	misses			
TC free	hits	Low or Very Low forecast and TC NOT observed		
weeks	misses	Moderate or High forecast and TC NOT observed		
		TC Observed		
		NO	YES	
TC Forecast	YES	hits	False alarms	
Low or Very Low	NO	misses	correct negatives	









- There is skill
- Limited Verification
- Probabilistic vs Categorical forecasts
- Questions?

