+++ Dry north part of array +++ Nighttime convection Diego Garcia/RV Mirai +++

- **Current Conditions/Previous Day Recap**

An ITCZ-like band of convection has developed between ~5-10S from the array to the African coast, including the south part of the DYNAMO array.

At the northern locations (Male, Gan, RV Revelle), the drying trend continues. The soundings at Diego Garcia and the RV Mirai show an “onion” type sounding, which are consistent with the band of convection which developed overnight (Mostly high clouds remain over the array this afternoon).

At the SPOL and RV Revelle radars, there have been some isolated showers moving rapidly to the east/east-southeast. Some of this shower activity is organized in bands.

Elsewhere, dry and suppressed conditions persist..
Day 1 (next 24 hours) Forecast

Continued suppressed conditions are expected over the north part of the DYNAMO array with some overnight convection near Diego Garcia and the RV Mirai. Bands of widely scattered/isolated showers in range of the SPOL and RV Revelle radars.

Day 2-3 (24-72 hours) Outlook

Image 13, Image 14. Continued suppressed conditions are expected over the north part of the DYNAMO array with some convection over the south part (e.g., Diego Garcia to the Revelle) during the nocturnal maximum. Convective coverage over the array less than Day 1.

Extended Outlook

Drying trend continues over the array, and convection becomes more widespread west of the array, about midway between Diego Garcia and Madagascar.
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Cloud Clusters in 1°S–10°N, 90°E-100°E

TMYAMSRE SST AVERAGE 5S–5N (Gaussian)
12.5–2.5S: MJO (white, CINT=x,3, diameter) ER (grey, CINT=x,3) Kelvin (magenta, CINT=

Cloud Clusters (by size)

Img. 5

SST

TPW
Male

Dry, light westerlies
With inversion developed around 800 mb
Gan

Time series for 43599 from 10/02 to 10/10

Yesterday

Today
RV Revelle

Time series for 99991 from 10/02 to 10/10

Bad sonde

Yesterday

Today
Diego Garcia

 yesterday

 Today
Short Term: Valid 0Z 10 Oct.