+++ Drying trend continues +++ Convection shifting to east IO +++

- Current Conditions/Previous Day Recap

Over the DYNAMO area, a drying trend which started last week continues. The radars at Gan are quiet with just some isolated cells. The main MJO envelop has shifted to the eastern IO, and the RMM index is also established in phase 3. Also, a midlatitude trough is in the northern Bay of Bengal with high pressure building in behind it.

The low pressure system in the west Arabian Sea became a weak cyclone, and will no doubt lead to some heavy rain and flooding over Oman, as it will be moving very slow in the next few days.

Soundings: Slides 9-15. Only Colombo has a sounding which is moist throughout with an “onion” at mid levels, indicating organized deep convection in the vicinity.
The low pressure system in the eastern Arabian Sea moves away from the array, taking the bulk of the convection with it. Meanwhile, the high pressure builds over India and the Bay of Bengal. Monsoonal westerlies should be limited to the near equatorial Arabian Sea. Generally dry throughout both DYNAMO arrays, but there is a chance that the southern Hemisphere band will set up close to Diego Garcia and the RV Mirai.

Isolated showers possible at Gan especially during the afternoon, with 0-10 mm accumulation.

The low pressure system moves into the Arabian Sea with a chance of becoming a tropical cyclone (modes are consistently developing the system now).

Over the southern array, the ITCZ band should set up either through the center of the southern array or at the southern end, including Diego Garcia and the RV Mirai.

Continuation of ITCZ pattern in the southern array, very close to or over Diego Garcia and the RV Mirai. Generally decreasing convection throughout, with the MJO envelope moving over the Maritime Continent (RMM phase 4).

Good possibility of a powerful cyclone in the central Arabian Sea.
Yesterday

INVEST 95A
In Transit.
Seychelles

Yesterday

Today
Colombo

Yesterday

CSU Skew-T

43466,
6.9N 79.9E
122 01 Nov. 2011

Note - Quick-look data
wind bars (knots)

Today

CSU Skew-T

43466,
6.9N 79.9E
002 02 Nov. 2011

Note - Quick-look data
wind bars (knots)
Male

Yesterday
CSU Skew-T

Today
CSU Skew-T
Yesterday
43599, VRMG
0.75 75.2E
122 01 Nov. 2011
Note - Quick-look data
wind barbs (knots)
LFC --> LCL -->

Today
43599, VRMG
0.75 75.2E
122 02 Nov. 2011
Note - Quick-look data
wind barbs (knots)
LFC --> LCL -->

Gan
RV Revelle

NOTE: IN TRANSIT.
Diego Garcia
RV Mirai

Time series for 99990 from 10/26 to 11/03

Yesterday
CSU Skew-T

99990, JNSR
8.0S 80.5E
122 01 Nov. 2011
Note - Quick-look data
wind barbs (knots)

Today
CSU Skew-T

99990, JNSR
8.0S 80.5E
122 02 Nov. 2011
Note - Quick-look data
wind barbs (knots)
Begin Forecast Graphics