+++ Mostly dry and suppressed over the DYNAMO area +++

• Current Conditions/Previous Day Recap

Southern ITCZ convergence band active from just NW of Diego Garcia eastward into the eastern IO. The deepest convection occurred east of the DYNAMO array.

A moistening trend has begin at the low levels (< 600 mb) at Gan and Diego Garcia, which is consistent with the expectation of increased convection over the next few days, before the suppressed phase of the MJO is fully in place.

Two tropical cyclones active in the South Indian Ocean. These systems are expected to move far enough away from the DYNAMO array that their influence on the weather in the arrays is minimal.
- **Day 1 (0Z 7-Dec to 8-Dec)**

  Northern ITCZ band becoming stronger, passing just to the north of Gan. Northern/Southern band may merge over the eastern IO. Possibility of organized convection to the north of Gan.

  Gan: More active, scattered storms, some heavy rain possible esp. at night. 5-20 mm accumulation.

  Diego Garcia: Scattered storms. 0-10 mm accumulation.

- **Days 2-3 (0Z 8-Dec to 10-Dec)**

  The southern and northern convergence bands merge over the DYNAMO area and to the west of the arrays. Best chance for organized, deep convection near Gan on Day 2 (Thursday), shifting south on day 3 (Friday).

- **Days 4-5 (0Z 10-Dec to 12-Dec)**

  Double ITCZ pattern re-established over the DYNAMO area and in the eastern IO, with some areas of active convection in both the northern and southern bands. Northern band is near the latitude of Male, southern band is near the latitude of Diego Garcia.

  In the western IO, decreasing convection as the positive OLR anomalies associated with the suppressed MJO phase begin to set in. Scattered convection, mainly in the southern convergence band.
Seychelles

Yesterday

Today
Colombo

Yesterday
CSU Skew-T

43466,
6.9N 79.9E
122 05 Dec. 2011

Note - Quick-look data
wind barbs (knots)

Today
CSU Skew-T

43466,
6.9N 79.9E
122 06 Dec. 2011

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

Time series for 43555 from 11/28 to 12/06

Yesterday

CSU Skew-T

43555, VRMM

4.2N 73.5E

12/2, 05 Dec. 2011

Note: Quick-look data
wind bars (knots)

Today

CSU Skew-T

43555, VRMM

4.2N 73.5E

12/2, 06 Dec. 2011

Note: Quick-look data
wind bars (knots)
Gan

Yesterday
CSU Skew-T

Today
CSU Skew-T
RV Revelle

Time series for 99991 from 11/28 to 12/06

Yesterday

Today
Diego Garcia

Yesterday
CSU Skew-T

Today
CSU Skew-T
Begin Forecast Graphics
Day 2: 0Z 8-Dec to 9-Dec

IMD NEW DELHI WRF (27 Km) RAINFALL (mm) FORECAST (72 hr)
based on 00 UTC of 08-12-2011 valid for 00 UTC of 09-12-2011

(Background does not depict political boundary)

Total Precipitation (mm/h) and wind 850hPa

GFS fcst Precip for day 3 for: 20111209 from 00z
Day 3: 0Z  9-Dec to 10-Dec

Total Precipitation (mm/h) and wind 850hPa

GFS frcst Precip for day 4 for: 20111210 from 00z

Climate Prediction Center UMCP/ESSIC
Day 4: 0Z 10-Dec to 11-Dec

GFS forecast Precip for day 5 for: 20111211 from 00z

Day 5: 0Z 11-Dec to 12-Dec

GFS forecast Precip for day 6 for: 20111212 from 00z
Statistical ECMWF ensemble (1 month forecast)

Dynamical GEFS