+++ Large MCS in southern array +++ Eastern IO very active +++

• Current Conditions/Previous Day Recap

Large MCS moving SW through the southern array today, associated with a developing low pressure system. Today is probably the most active day for the southern array since the beginning of DYNAMO.

Very active in the eastern IO. Weak low pressure system west of Sumatra.

Dry air tongue moving in from the east is now showing up better in the CIMSS TPW, and also the latitude-averaged TPW. A similar sequence of events occurred at the end of the last active MJO cycle, and this may mean the “beginning of the end” of the MJO active convection over the DYNAMO area. In addition, the suppressed phase of an Equatorial Rossby wave seems to be moving in from the east, which would tend to shut down the convection faster than the eastward propagation of the MJO signal by itself would.
• Day 1 (0Z 29-Nov to 30-Nov)

Low pressure system moving SW through the southern array, very close to Diego Garcia at the end of the day.

Gan: Much less active, Isolated showers. 5-10 mm accumulation.

Diego Garcia: Heavy rain likely. 10-50 mm accumulation.

• Days 2-3 (0Z 30-Nov to 2-Dec)

Low pressure system moves south of the southern array and absorbs the “Madagascar” low. (We finally can bid farewell to the “Madagascar” low!). Dramatically drier throughout the DYNAMO area with the dry air moving in from the west. A shower band extending from the low may affect Diego Garcia on day 3. Also, there is the possibility of a weak northern “ITCZ” band at the northern boundary of the northern array.

Low pressure system in the eastern IO diminishes.

• Days 4-5 (0Z 2-Dec to 4-Dec)

Continued mostly dry conditions over the DYNAMO array, and also drier in the eastern IO. Low pressure system south of Diego Garcia may become a tropical cyclone, with the band stretching across Diego Garcia into the southern Hemisphere ITCZ. The exact location of this band feature is uncertain, also whether the system develops into a cyclone.
Today’s Summary: 0Z

Day 1: 0Z
Day 3: 0Z
Day 2: 0Z

28-Nov to 29-Nov
29-Nov to 30-Nov
30-Nov to 1-Dec
1-Dec to 2-Dec
Day 4: 0Z  2-Dec to  3-Dec

Day 5: 0Z  3-Dec to  4-Dec
Colombo

Yesterday

CSU Skew-T

43466,
6.9N 79.9E
122 27 Nov. 2011

Note - Quick-look data
wind barbs (knots)

Today

CSU Skew-T

43466,
6.9N 79.9E
122 28 Nov. 2011

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

Yesterday

CSU Skew-T

43555, VRMM
4.2N 73.5E
122 27 Nov, 2011
Note - Quick-look data
wind barbs (knots)

Today

CSU Skew-T

43555, VRMM
4.2N 73.5E
122 28 Nov, 2011
Note - Quick-look data
wind barbs (knots)
RV Revelle

Yesterday

Today
Diego Garcia

Time series for 61967 from 11/21 to 11/29

Yesterday
CSU Skew-T

61967, BDRG
7.35 72.4E
12Z 27 Nov. 2011
Note - Quick-look data
wind barbs (knots)

Today
CSU Skew-T

61967, BDRG
7.35 72.4E
12Z 28 Nov. 2011
Note - Quick-look data
wind barbs (knots)
Begin Forecast Graphics
Day 3: 0Z  1-Dec to 2-Dec

GFS fcst Precip for day 4 for: 20111202 from 00z

- Climate Prediction Center UMCIP/ESSIC
Statistical Dynamical

ECMWF ensemble (1 month forecast)

GEFS

NICAM
MJO (5 day means)
Day -1 to 3
Day 4-8

Equatorial Rossby (3 day means)
Day -1 to 1
Day 2-4
Day 5-7

Kelvin (1 day means)
Day 0
Day 1