+++ Beginning of the end of the suppressed phase? +++

• Current Conditions/Previous Day Recap

Early today most of the southern array was covered with scattered convection, which was not well anticipated in the last few days’ forecasts. Throughout the day, dry patches moved westward from east of the array, which is constraining the convection in the eastern part of the array to a narrow band instead of a ~700 km wide swath. As the day progressed, the broad swath of scattered convection shifted westward.

Soundings: Slides 9-15. Low level westerlies developed at Seychelles in the last few days, which may mark the beginning of a trend towards near equatorial westerlies over a larger area, esp. days 2-3 forecast. Diego Garcia is the most moist location. Very dry and stable above ~500-600 mb at Male, Gan, and the RV Revelle, and RV Miral due to large-scale subsidence throughout the DYNAMO area.
• Day 1 (0Z 16-Nov to 17-Nov)

Complicated pattern without clear “ITCZ” structure. Widespread Shower activity which was over the array the day before now shifts west of the array, with a narrow band of scattered showers through the southern array. Low pressure system in the Bay of Bengal will bring some rain to Colombo, merging with scattered shower band west across Male. Mostly dry at Gan and the RV Revelle. Organized convection with heavy rainfall possible near Diego Garcia.

Gan: Isolated showers. 0-5 mm accumulation.

Diego Garcia: Heavy rain possible. 5-25 mm accumulation.

• Days 2-3 (0Z 17-Nov to 19-Nov)

The general pattern of a wide (~1500-2000 km) swath of scattered convection west of the array with some embedded areas of more organized convection. Equatorial westerlies over the western IO, possibly extending to the western end of the DYNAMO arrays (e.g., Gan, Male). Models suggest that day 3 will be the wetter day over the southern array, with a large area of organized convection possible.

• Days 4-5 (0Z 19-Nov to 21-Nov)

Double ITCZ band returning to the IO, with the northern band becoming more pronounced. Northern band sets up across Male/Colombo with the weaker southern band through Diego Garcia/RV Mirai. Generally increasing coverage and organization of convection throughout the area.
Today’s Summary: 0Z  15-Nov to 16-Nov

Day 1: 0Z  16-Nov to 17-Nov

Day 2: 0Z  17-Nov to 18-Nov

Day 3: 0Z  18-Nov to 19-Nov
Today

ITCZ

LTCZ
~0Z 15-Nov-

~12Z 15-Nov-
Colombo

Yesterday

CSU Skew-T

43466,

6.9N 79.9E

122 14 Nov. 2011

Note - Quick-look data
wind bars (knots)

Today

CSU Skew-T

43466,

6.9N 79.9E

122 15 Nov. 2011

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

Yesterday
CSU Skew-T
43555, VRMM
4.2N 73.5E
122 14 Nov. 2011
Note - Quick-look data
wind barbs (knots)

Today
CSU Skew-T
43555, VRMM
4.2N 73.5E
122 15 Nov. 2011
Note - Quick-look data
wind barbs (knots)
Yesterday
CSU Skew-T

Today
CSU Skew-T
RV Revelle

Yesterday

Today
Diego Garcia

 Yesterday

CSU Skew-T

61967, DDRG 7.55 72.4E
122 14 Nov. 2011

Note = Quick-look data wind bars (knots)

Today

CSU Skew-T

61967, DDRG 7.35 72.4E
122 15 Nov. 2011

Note = Quick-look data wind bars (knots)
RV Mirai

Yesterday
CSU Skew-T

Today
CSU Skew-T
Begin Forecast Graphics
End of Day 1.

Mean Sea level Pressure (hPa), (arrows) 10m wind

Total Precipitation (mm/h) and wind 850hPa

End of Day 2.

Mean Sea level Pressure (hPa), (arrows) 10m wind

Total Precipitation (mm/h) and wind 850hPa
Day 1: 0Z 16-Nov to 17-Nov

IMD NEW DELHI WRF (27 Km). RAINFALL (mm) FORECAST (48 hr)
based on 00 UTC of 16-11-2011 valid for 00 UTC of 17-11-2011

NICAM OLR & PRECIP (00Z17NOV2011) init:00Z14NOV2011

GFS frct Precip for day 2 for: 20111117 from 00z
Day 2: 0Z 17-Nov to 18-Nov
Day 3: 0Z 18-Nov to 19-Nov
Day 4: 0Z 19-Nov to 20-Nov
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

Day 0 of forecast is 14 Nov 2011
CAMS/Bureau of Meteorology