+++ Suppressed throughout DYNAMO area +++ Near peak of suppressed phase +++

- Current Conditions/Previous Day Recap

Center of the dry air over the SW part of the southern array, including Diego Garcia. 700-750 mb
Inversion at Diego Garcia today. Easterly wave axis passing south of the array, with enhanced
convection south of the array. Narrow band of widely scattered showers passing just south of RV
Revelle, westward across Gan/Male.

Weak low pressure system in the eastern Bay of Bengal, with some scattered storms and MCSs
overnight.

Soundings: Slides 9-15. Trade inversion present at Diego Garcia. Soundings at RV Mirai are more moist
today, probably associated with the easterly wave passing to the south. Stable layers in the northern
array, esp. Male and Colombo, which had an inversion at ~700 mb. Upper levels dry throughout, due to
large-scale subsidence throughout the DYNAMO area.
• Day 1 (0Z 14-Nov to 15-Nov)

Some widely scattered showers in a narrow band passing through the northern array. Convection associated with the southern band remains south of the southern array, with dry conditions inside the array.

Gan: Widely showers. 0-5 mm accumulation.

Diego Garcia: Mostly dry with isolated showers. 0-5 mm accumulation.

• Days 2-3 (0Z 15-Nov to 17-Nov)

Southern ITCZ band shifts northward, to near or over Diego Garcia and RV Mirai. Best chance for heavy rain and organized convection is near and just west of Diego Garcia on day 2.

Scattered showers continue in the northern array associated with the northern band, this mainly affects Gan and Male. Northern band becoming more pronounced over the Arabian Sea with some organized convection possible there. Also, northern band starting to develop in eastern IO.

• Days 4-5 (0Z 17-Nov to 19-Nov)

Southern ITCZ remaining over the southern end of the southern array, easterly wave moving over the RV Mirai on day 5. Eastern IO northern band may start to fill in west to near the Revelle. There is indication that the suppressed phase of the MJO will be moving east of the DYNAMO area around days 4-5, which would imply gradually increasing convection and moistening generally throughout the area. In particular, scattered convection (e.g., yellow areas the on forecast schematics) would be much less widely scattered than today.
Today’s Summary: 0Z  13-Nov to 14-Nov

Day 1: 0Z  14-Nov to 15-Nov

Day 2: 0Z  15-Nov to 16-Nov

Day 3: 0Z  16-Nov to 17-Nov
Yesterday
Seychelles

Yesterday

Today
Colombo

Yesterday

CSU Skew-T

43466,
6.9N 79.9E

122 12 Nov. 2011

Note: Quick-look data
wind bars (knots)

Today

CSU Skew-T

43466,
6.9N 79.9E

122 13 Nov. 2011

Note: Quick-look data
wind bars (knots)
RV Revelle

Yesterday

Today
Diego Garcia

Time series for 61967 from 11/06 to 11/14

Yesterday

CSU Skew-T

61967, DDRG
7.35 72.4E
122 12 Nov. 2011

Note = Quick-look data
wind bars (knots)

Today

CSU Skew-T

61967, DDRG
7.35 72.4E
122 13 Nov. 2011

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

Time series for 99990 from 11/06 to 11/14

Yesterday
CSU Skew-T

99990, JNSR
8.0S 80.5E
12Z 12 Nov. 2011
Note - Quick-look data wind bars (knots)

Today
CSU Skew-T

99990, JNSR
7.9S 80.5E
12Z 13 Nov. 2011
Note - Quick-look data wind bars (knots)
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 | 14-Nov to 15-Nov

IMD NEW DELHI WRF (27 Km) RAINFALL (mm) FORECAST (48 hr)
based on 00 UTC of 14-11-2011 valid for 00 UTC of 15-11-2011

NICAM OLR & PRCP (00Z15NOV2011) init:00Z12NOV2011

GFS fcst Precip for day 2 for: 20111115 from 00z
Day 2: 0Z 15-Nov to 16-Nov

IMD NEW DELHI WRF (27 Km) RAINFALL (mm) FORECAST (72 hr)
based on 00 UTC of 15-11-2011 valid for 03 UTC of 16-11-2011

NICAM OLR & PRCP (00Z16NOV2011) init:00Z12NOV2011

GFS frcst Precip for day 3 for: 20111116 from 00z

Climate Prediction Center UMCPS/ESSIC
Day 3: 0Z | 16-Nov to 17-Nov
Statistical Dynamical

ECMWF ensemble (1 month forecast)

Dynamical GEFS

NICAM

ECMWF MONTHLY FORECASTS
FORECAST BASED 10/11/2011 00UTC

RMM(WH04) latest 40 day NICAM fast 2011/11/10 - 11 - 12