+++ Generally suppressed +++ Double ITCZ in the southern array +++

• Current Conditions/Previous Day Recap

Double-ITCZ pattern continues from yesterday. Most convection with the southern band has been just south of the southern array.

Elsewhere, the Arabian Sea system (INVEST 96A, JTWC has a TCFA) is better organized today. A wide swath of widely scattered convection extends from the northern array to the Maritime Continent (Including Phuket).

The easterly waves have become weak and do not appear to be having much of an effect on the weather, unlike during most of the active period of the last few weeks.

Soundings: Slides 9-15. Fairly dry at mid-upper levels at each station.
• Day 1 (0Z 8-Nov to 9-Nov)

Southern ITCZ band over Diego Garcia and the SW part of the southern array. Northern band also shifts north, passing through the NE point (e.g., Revelle station), but still north/northeast of Gan.

Dry at Gan. 0-5 mm accumulation.

Deep convection and heavy rain at Diego Garcia, esp. first half of day, 1. 10-50 mm accumulation.

• Days 2-3 (0Z 9-Nov to 11-Nov)

Double ITCZ pattern continues with the southern band near of just south of Diego Garcia and the northern one through the northern array. In the southern band (the stronger of the two), most organized convection west of Diego Garcia, though some of the models keep the eastern end of the deep convection over Diego Garcia in day 2. Possible rough arrival for the P3 on the 9 Nov. The northern band would be very narrow and pass in between stations most of the time.

By day 3, convection in the eastern IO begins to shift to the Southern Hemisphere.

• Days 4-5 (0Z 11-Nov to 13-Nov)

Double ITCZ pattern persists. Similar to days 2-3, the southern band is stronger, but most of the deep convection still remains west of the DYNAMO area. For the vicinity of Diego Garcia, it is not clear whether the scattered convection will be cutting through the array north of the station (NICAM, ECMWF, METEO France model) or just south of the DYNAMO array (GFS).
Today’s Summary: 0Z

Day 1: 0Z
7-Nov to 8-Nov

Day 2: 0Z
9-Nov to 10-Nov

Day 3: 0Z
10-Nov to 11-Nov
Yesterday

INVEST 96A
In Transit.
Colombo

Time series for 43466 from 10/31 to 11/08

Yesterday

CSU Skew-T

43466,

6.9N 79.9E

122 05 Nov. 2011

Note: Quick-look data
wind barbs (knots)

Today

CSU Skew-T

43466,

6.9N 79.9E

002 07 Nov. 2011

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

Yesterday
CSU Skew-T
43555, VRMM
4.2N 73.5E
122 06 Nov. 2011
Note: Quick-look data
wind bars (knots)

Today
CSU Skew-T
43555, VRMM
4.2N 73.5E
00Z 06 Nov. 2011
Note: Quick-look data
wind bars (knots)
Gan

Yesterday

CSU Skew-T

Today

CSU Skew-T
RV Revelle

NOTE: IN TRANSIT.
RV Mirai

Time series for 99990 from 10/31 to 11/08

Yesterday

CSU Skew-T

99990, JNSR
7.95 80.5E
122.06 Nov. 2011

Note - Quick-look data
wind barbs (knots)

Today

CSU Skew-T

99990, JNSR
8.05 80.5E
092 07 Nov. 2011

Note - Quick-look data
wind barbs (knots)
Begin Forecast Graphics
Day 1: 0Z 8-Nov to 9-Nov

IMD NEW DELHI WRF (27 Km) RAINFALL (mm) FORECAST (48 hr) based on 00 UTC of 07-11-2011 valid for 00 UTC of 09-11-2011.

NICAM OLR & PRECIP (00Z09NOV2011) init:00Z06NOV2011

GFS fcst Precip for day 2 for: 20111109 from 00z

Climate Prediction Center UMC/ESSIC
Day 2: 0Z  9-Nov to 10-Nov

IMD NEW DELHI WRF (27 Km) RAINFALL (mm) FORECAST (72 hr) based on 00 UTC of 07-11-2011 valid for 00 UTC of 10-11-2011

NICAM OLR & PRECIP (00Z10NOV2011) init:00Z06NOV2011

GFS fcst Precip for day 3 for: 20111110 from 00z

- Climate Prediction Center NCEP/ESRL
Day 3: 0Z

9-Nov to 10-Nov
Day 4: 0Z  10-Nov to 11-Nov

NICAM OLR & PRECIP (00Z12NOV2011) init:00Z06NOV2011

GFS frcst Precip for day 5 for: 20111112 from 00z

- Climate Prediction Center UMCP/ESSIC
Day 5: 0Z  11-Nov to 12-Nov
Statistical

Western Pacific 6

[Diagram of statistical model forecasts]

Dynamical

GEFS

[Diagram of dynamical model forecasts]

ECMWF ensemble (monthly)

[Diagram of ECMWF ensemble forecasts]

NICAM

[Diagram of NICAM forecasts]
MJO

Day 0-3

Day 4-8

Equatorial Rossby

Day 0-2

Day 2-4

Day 4-6

Kelvin

Day 0

Day 1

Day 0 of forecast is 6 Nov 2011
CAMS/Bureau of Meteorology

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CAMS/Bureau of Meteorology

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