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

• Current Conditions/Previous Day Recap

Scattered convection today was oriented in two bands, one through the south end of the southern array, and the other one in the north part of the southern array, but still south of Gan. It appears that a double ITCZ may be setting up over the southern array, similar to what occurred in the previous suppressed period. Looking at yesterday’s report, it seems that the NICAM and IMD WRF models picked up on this development. Also, the ECMWF and METEO France models predicted the feature, though not as distinct. (Will start to include the METEO France models in this report starting Monday.)

The Southern Hemisphere easterly wave discussed yesterday appears much weaker on the TPW loop, and a secondary weak wave trough developed between Diego Garcia and the RV Mirai. The eastern one has already cleared the RV Mirai, with most showers south of the station. As these features move west to Diego Garcia, deep convection is possible near or over Diego Garcia.

Elsewhere, the center of the system in the east Arabian Sea (INVEST 96A, JTWC medium chance to develop) has moved under the convection, but the convection is still asymmetric about this center. A wide swath of widely scattered convection extends east of this system to the Maritime Continent (Including Phuket). A midlatitude trough which is stationary along about 15N in the Arabian Sea marks the northern boundary of this convection.

Day 1 (0Z 7-Nov to 8-Nov)

Southern Hemisphere convective band remains in place west of the southern array. DG remains in the dry “ridge” part of the easterly wave train, though the trough passes through RV Mirai with some scattered showers possible. Elsewhere, dry throughout both DYNAMO arrays.

Some scattered showers possible dry at Gan if the band shifts even slightly north of it’s current location. 0-10 mm accumulation.

Increasing convection at Diego Garcia with some organized MCSs possible at the end of day 1 (e.g., night) 5-20 mm accumulation.

Days 2-3 (0Z 8-Nov to 10-Nov)

Diego Garcia convection lingering from the previous night, then becoming less widespread with scattered systems instead of large, organized systems by day 3. The northern convective band shifts a bit north to affect Gan (assuming the northern band persists as predicted in the models…last time the double ITCZ structure did not persist long).

Days 4-5 (0Z 10-Nov to 12-Nov)

Bulk of the convection shifts to the Southern Hemisphere. This is due to the seasonal cycle and the active phase of the Equatorial Rossby wave, which concentrates convection off the Equator. Double ITCZ band may develop in the eastern IO. Some scattered convection expected in the vicinity of Diego Garcia, but dry over most of the DYNAMO area.

***Current conditions/Forecast schematics have been moved to slides 3-4.
Today's Summary: 0Z

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

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

Day 3: 0Z
9-Nov to 10-Nov
In Transit.
Seychelles

Yesterday

Today
Colombo

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 08 Nov. 2011

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

Yesterday

CSU Skew-T

43555, VRMM
4.2N 73.5E
122 05 Nov. 2011

Note: Quick-look data
wind barbs (knots)

Today

CSU Skew-T

43555, VRMM
4.2N 73.5E
00Z 06 Nov. 2011

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

Time series for 43599 from 10/30 to 11/06

Yesterday

CSU Skew-T

43599, VRMG
0.75 75.2E
122 05 Nov, 2011

Note - Quick look data
wind barbs (knots)

Today

CSU Skew-T

43599, VRMG
0.75 75.2E
00Z 06 Nov, 2011

Note - Quick look data
wind barbs (knots)
RV Revelle

NOTE: IN TRANSIT.
RV Mirai

Yesterday
CSU Skew-T

99990, JNSR
7.95 80.4E
122 05 Nov. 2011

Note - Quick-look data
wind bars (knots) 10

Today
CSU Skew-T

99990, JNSR
7.95 80.5E
00Z 06 Nov. 2011

Note - Quick-look data
wind bars (knots) 10
Begin Forecast Graphics
Day 1: 0Z 7-Nov to 8-Nov

IMD NEW DELHI WRF (27 Km) RAINFALL (mm) FORECAST (48 hr) based on 00 UTC of 06-11-2011 valid for 00 UTC of 08-11-2011 (Background does not depict political boundary)

NICAM OLR & PRCIP (00Z08NOV2011) init:00Z05NOV2011

GFS fcst Precip for day 2 for: 20111108 from 00z
Day 4: 0Z 10-Nov to 11-Nov

GFS frctst Precip for day 5 for: 20111111 from 00z
Statistical

Dynamical

ECMWF ensemble (monthly)

GEFS

NICAM