+++ Easterly wave convection passing south of RV Mirai +++

• Current Conditions/Previous Day Recap

The SW-NE oriented band has dissipated today, and the pattern more resembles a double ITCZ pattern, with the southern one being the dominant feature. The axis of this southern ITCZ is south of the southern array. Also, most of the easterly wave convection is south of the latitude of Diego Garcia and the RV Mirai. The northern band was most active at night and based on radar seems to be located just north of Gan and the RV Revelle.

Also, baroclinic cyclogenesis appears to be underway in the eastern IO/southeastern Bay of Bengal. A kink in the dry air boundary has been developing near an area of persistent convection. The baroclinic zone is the same boundary that passed Colombo on 8 Nov.

• Day 1 (0Z: 13-Nov to 14-Nov)

Easterly wave passing mostly south of the array, but some scattered convection possible at the RV Mirai early on day 1 and Diego Garcia late on day 1 (Sunday night). Weak northern band remaining near or over Gan and the RV Revelle.

Some convection in the eastern Bay of Bengal with the low pressure system there.

Gan: Some scattered showers, esp. at evening and night. 0-10 mm accumulation.

Diego Garcia: Dry during the day, then scattered showers possible Sunday night. 0-5 mm accumulation.

• Days 2-3 (0Z: 14-Nov to 16-Nov)

Easterly wave south/southwest of Diego Garcia on day 2 with some showers, otherwise dry southern array.

Scattered showers continue in the northern array associated with the northern band, which will probably be just north of Gan and the RV Revelle.

Low pressure system in the Bay of Bengal weakening.

• Days 4-5 (0Z: 16-Nov to 18-Nov)

Southern ITCZ is the dominant feature, but this is mainly south of the DYNAMO area. Easterly wave approaching the RV Mirai on day 5, and may be a bit further north than the last one.
Day 4: 0Z  16-Nov to 17-Nov

Day 5: 0Z  17-Nov to 18-Nov
Yesterday
Seychelles

Yesterday

Today
Yesterday

CSU Skew-T

43466,
6.9N 79.9E
00Z 11 Nov. 2011

Note - Quick-look data
wind bars (knots)

Today

CSU Skew-T

43466,
6.9N 79.9E
06Z 12 Nov. 2011

Note - Quick-look data
wind bars (knots)
Yesterday
CSU Skew-T

43599, VRMG
0.7S 73.2E
00Z 11 Nov, 2011

Note - Quick-look data
wind bars (knots)

Today
CSU Skew-T

43599, VRMG
0.75 73.2E
00Z 12 Nov, 2011

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

Yesterday

Today
Diego Garcia

Time series for 61967 from 11/05 to 11/12

Yesterday

CSU Skew-T

61967, DBRG
7.3S 72.4E
00Z 11 Nov. 2011

Note - Quick-look data
wind bars (knots)

PFC = LCL

Today

CSU Skew-T

61967, DBRG
7.3S 72.4E
06Z 12 Nov. 2011

Note - Quick-look data
wind bars (knots)

PFC = LCL
RV Mirai

**Yesterday**
CSU Skew-T

9999G, JNSR
7.9S 80.5E
00Z 11 Nov. 2011

Note: Quick-look data
wind bars (knots)

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**Today**
CSU Skew-T

9999G, JNSR
8.0S 80.5E
00Z 12 Nov. 2011

Note: Quick-look data
wind bars (knots)
Begin Forecast Graphics
ECMWF (yesterday’s)
Day -1

Day 0

Day 1

Day 2

Day 3

Day 4

Day 5
End of Day 0.

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

Total Precipitation (mm/h) and wind 850hPa

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 2: 0Z 14-Nov to 15-Nov

NICAM OLR & PRCIP (00Z15NOV2011) init:00Z11NOV2011

GFS frst Precip for day 3 for: 20111115 from 00z

Climate Prediction Center NCEP/ESSIC
Day 3: 0Z 15-Nov to 16-Nov

NICAM OLR & Precip (00Z16Nov2011) init:00Z11Nov2011

GFS fcst Precip for day 4 for: 20111116 from 00z

Climate Prediction Center
UMCP/ESSIC
Day 4: 0Z  16-Nov to 17-Nov

GFS frcst Precip for day 5 for: 20111117 from 00z