+++ Low pressure system west of array +++ Active west and central IO +++

• Current Conditions/Previous Day Recap

Area of near-equatorial westerlies now extend into the southern array between Gan and Diego Garcia. ASCAT wind/SST map is on slide 7. Gan and Diego Garcia have seen some weak low level westerlies occasionally in the soundings.

In the southern array, dry air continues to move in from the SE, now affecting Diego Garcia and the RV Mirai. Southern ITCZ band very weak along the northern boundary of this dry air. In the northern array, the active northern ITCZ band occurred from just north of Male to Colombo. The northern band could be distinguished from the coast of Somalia all the way across the IO to Sumatra.

The two low pressure systems in the southern Hemisphere western IO are undergoing a binary interaction. Both systems produced widespread convection throughout the day.
• Day 1 (0Z 22-Nov to 23-Nov)

Southern band near non-existent, or absorbed into northern band, as dry air continues to push in from the south. Northern band continues to be active. Low pressure system in western IO no longer expected to be picked up by the midlatitude trough, so it just meanders around.

Gan. Heavy rain possible, especially at evening and night. 5-20 mm accumulation.

Diego Garcia: Isolated showers. 0-5 mm accumulation.

• Days 2-3 (0Z 23-Nov to 25-Nov)

Northern band becoming very pronounced and wet, affecting most of the northern array. Low pressure system develops east of the northern array and moves west through the array, and gradually becomes the focus of convection. Southern band very weak with some scattered convection near Diego Garcia.

• Days 4-5 (0Z 25-Nov to 27-Nov)

Continued very wet in the northern array and western IO. Low pressure system enters the Arabian Sea, while the northern ITCZ band re-establishes itself over the northern array.

Possible tropical cyclone with the Southern Hemisphere low pressure system to NE of Madagascar.
Seychelles

Yesterday

Today
Colombo

Yesterday
CSU Skew-T

43466,

6.9N 79.9E

22 20 Nov. 2011

Note - Quick-look data
wind bars (knots)

Today
CSU Skew-T

43466,

6.9N 79.9E

22 21 Nov. 2011

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

Time series for 99991 from 11/14 to 11/22

Yesterday

Today
Diego Garcia

Time series for 61967 from 11/14 to 11/22

Yesterday

CSU Skew-T

61967, DDRG

7.35 72.4E

12Z 20 Nov, 2011

Note: Quick-look data
wind barbs (knots)

Today

CSU Skew-T

61967, DDRG

7.35 72.4E

12Z 21 Nov, 2011

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

99990, JNSR
8.05 80.5E
12Z 20 Nov, 2011
Note: Quick-look data
wind barbs (knots)

Today
CSU Skew-T

99990, JNSR
7.95 80.5E
12Z 21 Nov, 2011
Note: Quick-look data
wind barbs (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 4: 0Z  25-Nov to 26-Nov
MJO (5 day means)

Equatorial Rossby (3 day means)

Kelvin (1 day means)

Day -1 to 3
Day 4-8

Day -1 to 1
Day 2-4
Day 5-7

Day 0
Day 1