+++ Low pressure system west of array +++ Still suppressed central and eastern 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 in the soundings.

In the southern array, dry air started to move in from the SE, especially near the RV Mirai. A narrow band of scattered convection set up through the southern half of the southern array. In the northern array, the shower band occurred from near Male to Colombo.

Developing low pressure system to the west of Diego Garcia. NRL identifies this system as INVEST 97S, though it is not on the JTWC website. A second, weaker low pressure system is located further to the west at near 55E.

Sounding at Diego Garcia and RV Mirai are a bit drier today at upper levels. An area of drier air is moving in from the SE, which should shift the southern ITCZ band further to the north than it has been.
• Day 1 (0Z 20-Nov to 21-Nov)

Convection concentrated around the developing low pressure systems in the western IO. Southern ITCZ band weak with mainly scattered convection. Meanwhile, the northern band sets up at the northern part of the northern array, leaving Gan and the RV Revelle pretty dry, but possibly heavy rain near Male.

Gan: scattered/isolated showers. 0-10 mm accumulation.

Diego Garcia: Scattered showers. 0-15 mm accumulation.

• Days 2-3 (0Z 21-Nov to 23-Nov)

Low pressure systems merge, possibly becoming a tropical cyclone. ECMWF suggests some banding features related to that system may affect Diego Garcia on day 1. Otherwise, ITCZ band over the southern array remains weak. Northern band becoming more active in the western IO.

• Days 4-5 (0Z 23-Nov to 25-Nov)

Double ITCZ pattern breaks down with a wide swath of convection extending over most of the DYNAMO area. Diego Garcia and RV Mirai look to be the driest locations.

The Southern Hemisphere low pressure system moves to S, and is picked up by a midlatitude trough. Meanwhile, a northern Hemisphere low pressure system develops over or just east of the northern array by day 5, with widespread deep convection there.
Today’s Summary: 0Z

19-Nov to 20-Nov

Day 1: 0Z

20-Nov to 21-Nov

Day 2: 0Z

21-Nov to 22-Nov

Day 3: 0Z

22-Nov to 23-Nov
Yesterday

ITCZ

METEOSAT-7 LOW LEVEL CLOUD DRIFT WINDS FOR 12:00 UTC 18NOV11 UW-CIMSS
Yesterday

Seychelles

Today
Colombo

Yesterday
CSU Skew-T

43466, 6.9N 79.9E
122 18 Nov. 2011

Note - Quick-look data
wind barbs (knots)

Today
CSU Skew-T

43466, 6.9N 79.9E
122 19 Nov. 2011

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

Yesterday

CSU Skew-T

43555, VRMM
4.2N 73.5E
122 18 Nov. 2011
Note - Quick-look data
wind bars (knots)

Today

CSU Skew-T

43555, VRMM
4.2N 73.5E
00Z 19 Nov. 2011
Note - Quick-look data
wind bars (knots)
Yesterday
CSU Skew-T
43599, VRMG
0.75 73.2E
122 18 Nov. 2011
Note - Quick-look data
wind bars (knots)

Today
CSU Skew-T
43599, VRMG
0.75 73.2E
002 19 Nov. 2011
Note - Quick-look data
wind bars (knots)
RV Revelle

**Yesterday**

**Today**
Diego Garcia

Time series for 61967 from 11/12 to 11/20

Yesterday
CSU Skew-T

Today
CSU Skew-T
RV Mirai

Yesterday

CSU Skew-T

99990, JNSR
8.05 80.5E
122 18 Nov. 2011

Note - Quick-look data
wind bars (knots)

Today

CSU Skew-T

99990, JNSR
8.05 80.5E
122 19 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
MJO (5 day means)  
Equatorial Rossby (3 day means)  
Kelvin (1 day means)