

**Scientific Report for IODP Expedition 325,
Great Barrier Reef Environmental Change**



7th July 2010 09:00 local time

1. Location

Bremen IODP Core Repository, MARUM, Bremen, Germany
Onshore Science Party

2. Activity Summary

The onshore science party for Expedition 325 commenced on Friday 2nd July at 09:00. The first day comprised of a series of scientific and logistical presentations that would inform all non-offshore participating science party members about the work conducted offshore, and detailed shift patterns, work rotas etc for the span of the onshore science party. In addition to the presentations, all science party members had a conducted tour of the MARUM and Core Repository, and a more detailed introduction to their own workstation e.g. geochemistry laboratories, core description room.

On Saturday 3rd the day was taken up with discussing sample requests and the sampling plan for Expedition 325 cores. All science party members were encouraged to revise their sample requests with respect to potential collaborations, sharing of samples and defining the exact field of research to be conducted. The outcome of these discussions were presented to the SAC, who met and approved the sampling plan with some minor revisions.

Splitting, measuring, description and sampling of the cores began on Sunday 4th July at 08:30 with Hole M0030A.

3. Provisional Schedule

It has been decided that it would be beneficial to the science party to halt core flow at the end of certain transects in order to aid writing up of the preliminary results by hole and transect, and to facilitate discussions about the material being described between the two shifts. This will also enable us to regularly meet as the whole science party to describe the preliminary results by discipline.

The provisional schedule is as follows:

Holes M0030A – M0039A (Transect HYD_01C)

Core splitting, description and sampling

July 4th – 7th

Writing up / discussion day

July 8th

Delivery of results to Staff Scientist / Publications

July 9th

Holes M0040A – M0051A (Transects HYD_02A and RIB_02A)

Core splitting, description and sampling

July 9th – 10th

Writing up / discussion day

July 11th

Delivery of results to Staff Scientist / Publications

July 12th

Holes M0052A – M0058A (Transect NOG_01B)

Core splitting, description and sampling

July 12th – 14th

Writing up / discussion day

July 15th

Delivery of results to Staff Scientist / Publications

July 16th

It is envisaged that as science party members grow familiar with the DIS input system and core flow that the dates may come forward as processing rates of core increase.

4. Current Status

The status as of 08:45 on July 7th was as follows:

Core described from Transect HYD-01C – 71.75%

Core sampled from Transect HYD_01C – 62.6%

It is therefore estimated that the first scheduled writing day of July 8th will be met.