

Daily Drilling and Scientific Report for IODP/ICDP Expedition 364
Chicxulub Impact Crater 2016



1st May 00:00 - 24:00 CDT (UTC -5)

1. Location

Position 21 Deg 27.009' N, 89 Deg 56.962' W
IODP-MSP borehole M0077A
Prospectus borehole Chix-03B
Water Depth: 19.8 m

2. Operations Report

Essential maintenance of the rig was carried out. Once complete, the core barrel was recovered to deck. The Core Catcher contained a 'stub' of core, considered to have been left behind by the previous run. Set-up for logging commenced and the pipe was tripped to 507 mbsf, just below the depth of casing, to enable open hole logging. The *Linda F* arrived transferring logging personnel. Logging operations commenced and continued for the remainder of the day. The first tool run down hole was the induction magnetic susceptibility standalone tool, followed by a tool string comprising the spectral natural gamma ray, the sonic, and the fluid and temperature conductivity tools, run from ~698 mbsf to 507 mbsf. Towards the end of the day a tool string comprising spectral natural gamma ray, caliper and acoustic borehole imager was sent down the hole.

3. Science Report

The only core recovered during the day was associated with the final core run of the 30th, and was therefore described as part of this core.

4. Core Recovery Details

Hole	M0077A
Cores recovered	0
Drilled length (Coring, m)	0
Drilled length (Open hole, m)	0
Recovered length (m)	0
Recovery (%)	0
Depth at midnight (mbsf)	699.09

5. Time Breakdown

00:00 Carry out essential maintenance on the rig
10:05 Recovered core barrel to deck
12:25 Set-up for downhole logging
13:45 Tripping pipe
17:20 Set-up for logging
18:15 Start logging
00:00 Logging continued

6. Hours (inc. cumulative total) – no contractual implications can be made from these figures

In port	13.0
Transiting	3.0
Operating	490
Technical downtime	134
Weather downtime	0.0
Other downtime (specify)	0.0

7. Weather

Fair, sunny, good visibility, wave heights of 0.3 – 0.5 m; wind NE 15 Kts, Temperature 21-31°C.

8. Planned Activity for the next 24 hours

Continue logging and set up for coring

9. Health and Safety and Environmental
N/A

10. Photo of the day



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