

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



1<sup>st</sup> 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 30<sup>th</sup>, 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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