

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



25<sup>th</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

Coring continued from the previous day and progressed uninterrupted throughout the day. The 12 cores collected were of excellent quality and 100% recovery was achieved. The day ended at a depth of 1328.49 mbsf, having advanced the hole by 37.20 m.

### 3. Science Report

We continued in the melt and melt breccia for much of the day and then transitioned back into granite before we finished drilling for the day.

### 4. Core Recovery Details

Hole	M0077A
Cores recovered	12
Drilled length (Coring, m)	37.20
Drilled length (Open hole, m)	0
Recovered length (m)	37.78
Recovery (%)	100
Depth at midnight (mbsf)	1328.49

### 5. Time Breakdown

00:00 Continue coring  
01:35 Core on deck  
03:35 Core on deck  
05:55 Core on deck  
08:05 Core on deck  
10:20 Core on deck  
12:20 Core on deck  
14:15 Core on deck  
16:30 Core on deck  
18:45 Core on deck  
20:15 Core on deck  
21:55 Core on deck  
23:25 Core on deck  
24:00 Continue coring

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

In port	13.0
Transiting	3.0
Operating	918
Technical downtime	123
Weather downtime	0.0
Other downtime (specify)	0.0

### 7. Weather

Fair, cloudy, humid, wave heights of 0.5 – 0.8 m; wind E 15 Kts, Temperature 27-34°C.

### 8. Planned Activity for the next 24 hours

Finish coring, pull pipe and commence wireline logging.

**9. Health and Safety and Environmental**  
N/A

**10. Photo of the day**



Image: DSmith@ECORD\_IODP