

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



17th 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 resumed from the previous day, and continued throughout the day uninterrupted. The cores retrieved were of a high quality and a 100% recovery rate. By the end of the day, the hole had been extended beyond the 1,000 mbsf mark, and a total daily drilled length of 51.86 m had been achieved.

3. Science Report

We started and ended the day in granite, which is still displaying occasional ductile deformation features. In the afternoon we encountered a dyke filled with melt-bearing breccia.

4. Core Recovery Details

Hole	M0077A
Cores recovered	17
Drilled length (Coring, m)	51.85
Drilled length (Open hole, m)	0
Recovered length (m)	52.75
Recovery (%)	100
Depth at midnight (mbsf)	1015.39

5. Time Breakdown

00:00 Continue coring
01:20 Core on deck
02:35 Core on deck
04:00 Core on deck
05:25 Core on deck
06:50 Core on deck
08:15 Core on deck
09:35 Core on deck
10:55 Core on deck
12:20 Core on deck
13:45 Core on deck
15:10 Core on deck
16:40 Core on deck
18:15 Core on deck
19:35 Core on deck
21:00 Core on deck
22:15 Core on deck
23:35 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	751
Technical downtime	122
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 25-32°C.

8. Planned Activity for the next 24 hours

Continue coring.

9. Health and Safety and Environmental

N/A

10. Photo of the day



Image: JLOfi©ECORD_IODP