

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



22nd 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 and progressed without interruption. Cores were of excellent quality and close to 100% recovery (99.53%) was achieved. The day ended at a depth of 1215.24 mbsf, having drilled 49.05 m of core.

3. Science Report

The core was mostly granite with the occasional dyke. There are still subtle changes in the granite that are linked to the physical properties.

4. Core Recovery Details

Hole	M0077A
Cores recovered	16
Drilled length (Coring, m)	49.05
Drilled length (Open hole, m)	0
Recovered length (m)	48.82
Recovery (%)	99.53
Depth at midnight (mbsf)	1215.24

5. Time Breakdown

00:00 Continue coring
01:10 Core on deck
02:45 Core on deck
04:10 Core on deck
05:45 Core on deck
07:00 Core on deck
08:30 Core on deck
10:10 Core on deck
11:45 Core on deck
13:20 Core on deck
14:50 Core on deck
16:10 Core on deck
17:40 Core on deck
19:15 Core on deck
20:45 Core on deck
22:25 Core on deck
23:55 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	847
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 27-34°C.

8. Planned Activity for the next 24 hours

Continue coring.

10. Health and Safety and Environmental

N/A

11. Photo of the day



Image: JLOfi@ECORD_IODP