

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



16th 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. The changes in formation and a small loss circulation zone encountered, slowed progress for a while. Cores were again of an extremely high quality with a 100% recovery rate and a steadily improving coring rate.

3. Science Report

The day began in granite, followed by a complicated section of melt and granite. The granite displayed some ductile deformation features.

4. Core Recovery Details

Hole	M0077A
Cores recovered	14
Drilled length (Coring, m)	36.60
Drilled length (Open hole, m)	0
Recovered length (m)	37.04
Recovery (%)	100
Depth at midnight (mbsf)	963.54

5. Time Breakdown

00:00 Continue coring
00:35 Core on deck
01:55 Core on deck
03:40 Core on deck
05:15 Core on deck
05:15 Prepare and deliver LCM downhole
06:45 Continue coring
09:15 Core on deck
11:20 Core on deck
14:25 Core on deck
16:20 Core on deck
17:40 Core on deck
19:10 Core on deck
20:15 Core on deck
21:40 Core on deck
22:45 Core on deck
23:45 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	727
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