

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



9th Apr 00:00 - 24:00 CDT Central Daylight Time (UTC -5)

1. Location

Position 21° 27.009' N, 89° 56.962' W (awaiting final verification)
IODP-MSP borehole M0077A
Prospectus borehole Chix-03A
Water Depth: 17m - provisional

2. Operations Report

Complete casing to 15.5m below seafloor and cement. Set up conductor casing for mud recycling diverter and run in 7 7/8" tricone bit. Commence open hole drilling to 500m, sampling cuttings every 5m.

3. Science Report

N/A

4. Core Recovery Details

Hole	M0077A
Cores recovered	N/A
Drilled length (Coring, m)	N/A
Drilled length (Open hole, m)	15.5
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	15.5

5. Time Breakdown

00:45 Complete running conductor casing
01:55 Start to inject cement down hole
02:45 Cementing complete, wait for cement to set
15:00 cut casing to length, setup drill floor with mud diverter and assemble
19:20 Run in 7 7/8" tricone bit to top of cement and start drilling, taking cutting samples every 5m

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

In port	13.0
Transiting	3.0
Operating	103.0
Technical downtime	1.0
Weather downtime	0.0
Other downtime (specify)	0.0

7. Weather

Fair, sunny, good visibility, wave heights of 0.3 – 0.5 m; winds variable NE 10 – 25 kts, gusting 14 – 25 kts; Temperature 21-26°C.

8. Planned Activity for the next 24 hours

Continue with open hole drilling to 500 mbsf.

10. Health and Safety and Environmental

N/A