

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



13th 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

At midnight reached 229 m BSF and progressing well, with an average drilling rate of 8 m/hour, this which remained static throughout the day. Logging engineers started to prepare downhole logging and VSP systems. Media event takes Place in Merida and is well attended and received. Target depth (503m) for open hole drilling is reached at 21:53 and POOH for the remainder of the day.

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)	503
Recovered length (m)	N/A
Recovery (%)	N/A
Depth at midnight (mbsf)	503

5. Time Breakdown

00:00 at 229m BSF and progressing well, average drilling rate approx. 8m/hour.
21:53 reached target depth last xx m slow going through harder material.
23:25 start to POOH

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

In port	13.0
Transiting	3.0
Operating	199.0
Technical downtime	1.0
Weather downtime	0.0
Other downtime (specify)	0.0

7. Weather

Fair, sunny, good visibility, wave heights of 0.3 – 1.0 m; winds variable NE 15 kts, gusting 25kts; Temperature 21-29°C.

8. Planned Activity for the next 24 hours

Continue with POOH, start wireline and VSP logging operations. Science party join platform in anticipation of coring operation.

10. Health and Safety and Environmental

N/A

11. Photo of the day



Day shift drilling team, Rich, Mike, Curt, Will upon reaching 503 mbsf.