

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



21st Apr 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-03A
Water Depth: 19.8 m

2. Science Report

Scientists continued preparing for the arrival of the first core.

3. 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

4. Time Breakdown

00:00 Continue running in pipe
01:40 Reached bottom of hole and started coring
03:10 No advancement so recovered core barrel to check for blockage and redeployed
10:00 No advancement so recovered core barrel to check for blockage and redeployed
10:30 Crew transfer
11:00 Mexican research vessel, the Justo Sierra arrived to carry out test run of Billy Pugh transfer
12:00 No advancement so recovered core barrel to check for blockage and redeployed
12:00 Drill maintenance
24:00 Drill maintenance continues

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

In port	13.0
Transiting	3.0
Operating	303
Technical downtime	90
Weather downtime	0.0
Other downtime (specify)	0.0

6. Weather

Fair, cloudy, good visibility, wave heights of 0.3 – 0.5 m; wind NE 10 Kts, Temperature 24-31°C.

7. Planned Activity for the next 24 hours

Complete drill maintenance, clear base of hole and attempt coring.

8. Health and Safety and Environmental

N/A

9. Photo of the day



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