

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



16th 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

Offshore science party continued to prepare laboratories and go over workflow procedures. Micropalontologists used Yax-1 samples to determine likely taxa that will be encountered in the post-impact section.

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 Running casing continues
02:15 Set up drill floor for logging
06:50 Logging completed
20:05 Casing completed
20:45 Prepare to cement hole
24:00 Preparations for cement continue

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

In port	13.0
Transiting	3.0
Operating	266
Technical downtime	5.0
Weather downtime	0.0
Other downtime (specify)	0.0

6. Weather

Fair, sunny, good visibility, wave heights of 0.3 – 0.5 m; NE winds increasing gradually through the day from 15 kts to 25 kts, Temperature 21-30°C.

7. Planned Activity for the next 24 hours

Continue running casing to 500 mbsf, cement and setup for coring.

8. Health and Safety and Environmental

N/A

9. Photo of the day



Photograph by ELeBer © ECORD_IODP
Wireline logging.