

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



**19<sup>th</sup> 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**

|                                      |        |
|--------------------------------------|--------|
| <b>Hole</b>                          | M0077A |
| <b>Cores recovered</b>               | N/A    |
| <b>Drilled length (Coring, m)</b>    | N/A    |
| <b>Drilled length (Open hole, m)</b> | 503    |
| <b>Recovered length (m)</b>          | N/A    |
| <b>Recovery (%)</b>                  | N/A    |
| <b>Depth at midnight (mbsf)</b>      | 503    |

**4. Time Breakdown**

00:00 Continue running in pipe  
05:40 Reached base of hole, start POOH  
11:30 Crew transfer and supplies brought on board  
12:30 POOH complete, changed to coring bit  
13:15 Started to run in pipe and attempt coring  
20:20 Recovered coring bit to surface for inspection and modification  
22:30 Run in pipe to attempt coring

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

|                                 |      |
|---------------------------------|------|
| <b>In port</b>                  | 13.0 |
| <b>Transiting</b>               | 3.0  |
| <b>Operating</b>                | 294  |
| <b>Technical downtime</b>       | 51   |
| <b>Weather downtime</b>         | 0.0  |
| <b>Other downtime (specify)</b> | 0.0  |

**6. Weather**

Fair, sunny, good visibility, wave heights of 0.5 – 1.0 m; wind NE 20 Kts, Temperature 21-30°C.

**7. Planned Activity for the next 24 hours**

Continue running in pipe, start coring.

**8. Health and Safety and Environmental**

N/A

**9. Photo of the day**



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