

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



23rd 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**

While open hole drilling, some cuttings from the formation were recovered. Examination of nanofossils and foraminifera were of the same assemblages as those recovered the previous day, while clearing the borehole. Biostratigraphy indicates the formation is Eocene.

**3. Core Recovery Details**

|                               |        |
|-------------------------------|--------|
| Hole                          | M0077A |
| Cores recovered               | N/A    |
| Drilled length (Coring, m)    | N/A    |
| Drilled length (Open hole, m) | 506    |
| Recovered length (m)          | N/A    |
| Recovery (%)                  | N/A    |
| Depth at midnight (mbsf)      | 506    |

**4. Time Breakdown**

00:00 Continue tripping pipe  
00:15 Tripping pipe continued but was intermittently interrupted to carry out rig maintenance  
11:55 BHA on deck, change to open hole bit  
12:00 Justo Sierra brought visitors to the platform  
12:10 Start running pipe  
12:30 Crew boat arrived at the platform for a personnel transfer  
16:30 Start drilling  
21:30 Start tripping pipe  
00:00 Continue tripping pipe

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

|                          |      |
|--------------------------|------|
| In port                  | 13.0 |
| Transiting               | 3.0  |
| Operating                | 315  |
| Technical downtime       | 102  |
| Weather downtime         | 0.0  |
| Other downtime (specify) | 0.0  |

**6. Weather**

Fair, sunny, good visibility, wave heights of 0.3 – 0.5 m; wind NE 10 Kts, Temperature 24-34°C.

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

After POOH, change to coring assembly and run in pipe to base of hole and start coring.

**8. Health and Safety and Environmental**

N/A

**9. Photo of the day**



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