

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



14<sup>th</sup> May 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-03B  
Water Depth: 19.8 m

**2. Operations Report**

Rig maintenance was required on the rig before coring could commence. Coring continued throughout the day, with a total of 11 cores collected. Cores were of a very high quality and 100% recovery. The end-of-day hole depth was 890.34 mbsf.

**3. Science Report**

At the start of the day we transitioned back into granite and since then have been alternating between granite and melt. The core is often difficult to see as the drilling mud is becoming stuck to the (hot) core.

**4. Core Recovery Details**

Hole	M0077A
Cores recovered	11
Drilled length (Coring, m)	30.80
Drilled length (Open hole, m)	0
Recovered length (m)	31.09
Recovery (%)	100
Depth at midnight (mbsf)	890.34

**5. Time Breakdown**

00:00 Rig maintenance  
00:55 Continue coring  
03:10 Core on deck  
05:25 Core on deck  
07:55 Core on deck  
09:35 Core on deck  
11:20 Core on deck  
13:25 Core on deck  
15:25 Core on deck  
16:45 Core on deck  
18:35 Core on deck  
19:45 Core on deck  
22:40 Core on deck  
24:00 Continue coring

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

In port	13.0
Transiting	3.0
Operating	680
Technical downtime	122
Weather downtime	0.0
Other downtime (specify)	0.0

**7. Weather**

Fair, cloudy, humid, wave heights of 0.5 – 0.8 m; wind E 15 Kts, Temperature 25-32°C.

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

Continue coring.

9. Health and Safety and Environmental  
N/A

10. Photo of the day



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