

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



**15<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**

Coring continued from the previous day, with high quality cores and 100% recovery. 37 m advancement, to a depth a depth of 926.94 mbsf was achieved.

**3. Science Report**

Started the day back in granite. In the second half of the day we encountered some melt layers, and a thick section of unusual granite – unusual in its lack of quartz (so not technically granite).

**4. Core Recovery Details**

<b>Hole</b>	M0077A
<b>Cores recovered</b>	14
<b>Drilled length (Coring, m)</b>	36.60
<b>Drilled length (Open hole, m)</b>	0
<b>Recovered length (m)</b>	37.36
<b>Recovery (%)</b>	100
<b>Depth at midnight (mbsf)</b>	926.94

**5. Time Breakdown**

00:00 Continue coring  
00:45 Core on deck  
02:55 Core on deck  
04:50 Core on deck  
07:20 Rig maintenance  
08:55 Core on deck  
10:25 Core on deck  
11:50 Core on deck  
13:25 Core on deck  
14:25 Core on deck  
15:25 Core on deck  
17:15 Core on deck  
18:55 Core on deck  
20:00 Core on deck  
21:50 Core on deck  
23:10 Core on deck  
24:00 Continue coring

**6. 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>	703
<b>Technical downtime</b>	122
<b>Weather downtime</b>	0.0
<b>Other downtime (specify)</b>	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**



Image: GTulloch@ECORD\_IODP