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 throughout the day. Excellent recovery and quality of core continued, with few breaks and maintenance of core diameter.

3. Science Report
Today was a day of coring through polymict breccias with angular clasts up to a couple centimeters in size and including a range of lithologies. The cores continue to be near perfect and the microbiologists where given samples every two cores given the interest in the role of these different lithologies in the subsurface biosphere. The multi-sensor core logger showed some evidence of cycles within the breccias based on magnetic susceptibility. By Core 58R we observe increasing average clast sizes.

4. Core Recovery Details

<table>
<thead>
<tr>
<th>Hole</th>
<th>M0077A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cores recovered</td>
<td>13</td>
</tr>
<tr>
<td>Drilled length (Coring, m)</td>
<td>37</td>
</tr>
<tr>
<td>Drilled length (Open hole, m)</td>
<td>0</td>
</tr>
<tr>
<td>Recovered length (m)</td>
<td>37</td>
</tr>
<tr>
<td>Recovery (%)</td>
<td>100</td>
</tr>
<tr>
<td>Depth at midnight (mbsf)</td>
<td>674</td>
</tr>
</tbody>
</table>

5. Time Breakdown
00:00  Continue coring
01:05  Core on deck
02:15  Core on deck
03:45  Core on deck
06:30  Core on deck
08:00  Core on deck
09:40  Core on deck
11:10  Core on deck
12:50  Core on deck
14:25  Core on deck
16:15  Core on deck
17:40  Core on deck
20:30  Core on deck
22:55  Core on deck

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

| In port     | 13.0 |
| Transiting  | 3.0  |
| Operating   | 444  |
| Technical downtime | 117 |
| Weather downtime | 0.0  |
| Other downtime (specify) | 0.0 |

7. Weather
Fair, sunny, good visibility, wave heights of 0.5 – 0.8 m; wind NE 15 Kts, Temperature 24-35°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 CLowery@ECORD_IODP