Daily Drilling and Scientific Report for IODP Expedition 313 New Jersey
Shallow Shelf

22nd June 2009 (0000-2400, local time)

1. Location
Hole MAT-3A (Hole M0029A).

Time zone: US Eastern Time, UTC –4

Position at midnight:
Latitude: 39° 31.1717’ N
Longitude: 73° 24.7957’ W

2. Activity summary
Set casing after continuously coring to 55 mbsf at Hole M0029A (MAT-3A).

3. Science report
Cores 11R-13R (31-43 mbsf) were medium to coarse, well rounded and well sorted quartz sand. Core 14R (43-44 mbsf) comprised sand as well as a layer of gravel containing very abundant broken shells. Core 15R (50-53 mbsf) was a firm, very homogeneous, very light gray clay. Core 16R (53-56 mbsf) recovered dark gray, very poorly sorted medium sand- to pebble-sized grains.

4. Core recovery details

<table>
<thead>
<tr>
<th>Hole</th>
<th>M0029A</th>
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<tbody>
<tr>
<td>Cores recovered</td>
<td>11R-16R (6 cores)</td>
</tr>
<tr>
<td>Drilled length</td>
<td>13.2 m</td>
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<tr>
<td>Recovered length</td>
<td>2.34 m</td>
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<tr>
<td>Recovery</td>
<td>17.73 %</td>
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<tr>
<td>Depth at midnight</td>
<td>55.7 mbsf</td>
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</table>

5. Weather
Sea swell 3-5 ft; N winds 15-20 kt (gusting 25 kt, diminished to 10-15 kt); light rain and drizzle; 24°C.
Next 24 hrs: sea swell 3-5 ft; N winds 10-15 kt (gusting 20 kt, becoming NE); slight chance of showers; 25°C.