



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

22<sup>nd</sup> 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

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

### 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.