



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

**24<sup>th</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**

Coring operations at Hole M0029A (MAT-3A). Our strategy of sport coring every 9 m continues, although recovery is poor. Latter half of the day is spent trying to free stuck PQ pipe.

### **3. Science report**

Today, we recovered three spot cores in the sequence above the m1 unconformity: 20R (76.46-79.51 m), 21R (85.61-88.66 m) and 22R (94.76-97.81 m). Recovery is very poor with only a few centimetres of sediment (20R, 0.48m; 21R, 0.03m; 22R, 0.04 m). Sediment is well-sorted, medium to coarse-grained or fine-grained quartz sands with some heavy minerals and traces of mica. Grains are sub-rounded, rarely sub-angular. No trace of shells.

### **4. Core recovery details**

<b>Hole</b>	M0029A
<b>Cores recovered</b>	20R-22R (3 cores)
<b>Drilled length</b>	9.15 m
<b>Recovered length</b>	0.55 m
<b>Recovery</b>	6.01 %
<b>Depth at midnight</b>	97.81 mbsf

### **5. Weather**

Sea swell 1-2 ft; W winds 5-10 kt (became NE then E); dry, sunny spells; 24°C.

Next 24 hrs: sea swell 2-3 ft; NE winds 5 kt (becoming S winds 10-15 kt); dry; 26°C.