



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

**7th May 2009 (0000-2400, local time)**

### **1. Location**

Hole MAT-1A (Hole M0027A).

Time zone: US Eastern Time, UTC -4

Position at midnight:

Latitude: 39° 38.04606 N

Longitude: 73° 37.30146' W

### **2. Activity summary**

Conducting coring operations at Hole MAT-1A (M0027A).

### **3. Science report**

Core 51H at 112 mbsf recovered 25 cm of clay with silt and very fine sand. We spot-cored throughout the day and recovered uniform quartz sands, occasionally with well-rounded granules and occasional pebbly units possibly sorted during coring/retrieval. The catcher in core 58H at 169 mbsf contained pyritized medium sandstone, the first cemented unit encountered thus far.

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

|                          |                         |
|--------------------------|-------------------------|
| <b>Hole</b>              | M0027A                  |
| <b>Cores recovered</b>   | 51H to 58H (8<br>cores) |
| <b>Drilled length</b>    | 6.83 m                  |
| <b>Recovered length</b>  | 6.83 m                  |
| <b>Recovery</b>          | 100 %                   |
| <b>Depth at midnight</b> | 168.87 mbsf             |

### **5. Weather**

Sea swell 4-7 ft; wind direction SW; wind speed 15-20 knots; spells of rain, patchy fog; 21°C.

Next 24 hrs: sea swell 3-5ft; wind direction SW, becoming S; wind speed 5-10 knots; chance of showers and thunderstorms; 20°C.