



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

**13th 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**

The day was a very high recovery day with continuous coring through a set of large clinoform bodies. We documented an overall coarsening upward trend from micro-laminated, clayey silts to silty clays with micas, pyrite and small shell fragments at base passing upward to medium-grained, quartz-rich, shelly sands with thin shell layers.

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

<b>Hole</b>	M0027A
<b>Cores recovered</b>	137R to 157R (21 cores)
<b>Drilled length</b>	64.05 m
<b>Recovered length</b>	55.38 m
<b>Recovery</b>	86.46%
<b>Depth at midnight</b>	451.06 mbsf

### **5. Weather**

Sea swell 1 ft; wind direction E; wind speed 10-15 knots; dry and sunny; 20°C.  
Next 24 hrs: sea swell 3-5 ft (building to 5-8 ft); wind direction S; wind speed 15-20 knots (gusting 25 knots), increasing to 20-25 knots (gusting 30 knots); chance of rain; 19°C.