



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

**14th 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**

Today was another very high recovery day with continuous coring through the quite difficult toe of the large clinoform bodies. We documented, at the base of the clinoforms, an overall fining upward section of glauconitic, shelly, medium to coarse-grained sands to silty clays/clayey silts, passing down into glauconite, fine-grained sandstone with hardgrounds. We are now over 500 meters below sea floor, in the lowermost Miocene.

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

<b>Hole</b>	M0027A
<b>Cores recovered</b>	158R to 166R (9 cores)
<b>Drilled length</b>	27.45 m
<b>Recovered length</b>	25.91 m
<b>Recovery</b>	94.39 %
<b>Depth at midnight</b>	478.51 mbsf

### **5. Weather**

Sea swell 3-8 ft; wind direction S; wind speed 15-25 kt; cloudy, rain; 19°C.

Next 24 hrs: sea swell 3-5 ft (lowering to 2-4 ft); wind direction S; wind speed 10-15 kt (diminishing to 5-10 kt); chance of showers, slight chance of thunderstorms; 23°C.