



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

**22nd May 2009 (0000-2400, local time)**

### **1. Location**

Hole MAT-1A (Hole M0027A) and transit to Hole MAT-2D (Hole M0028A).

Time zone: US Eastern Time, UTC -4

Position at midnight: (In transit to MAT-2D):

Latitude: 39° 36.451' N

Longitude: 73° 34.588' W

### **2. Activity summary**

Following the delivery of spares by the supply boat in the morning, the drilling rig began operating again at 0830. Two double stands were tripped with the aim of opening the hole to 97 mbsf. However, the pipe then became stuck, and despite applying 5 times the usual torque, the pipe would not rotate in the hole, and could not be pulled further. The decision was therefore taken to abandon Hole MAT-1A and move onto MAT-2D to begin operations. The pipe was cut just above the core barrel and tripped. The casing was then retrieved and the deck, drilling rig and containers secured for the rig move.

### **3. Science report**

A science meeting was held at 1315 to discuss the data acquired during MAT-1A (M0027A). It was decided to produce a poster displaying the preliminary results from MSCL, wireline logging, lithological descriptions, core recovery and progress, geochemistry and microbiological sample points. This will be annotated by the scientists, to produce a preliminary summary for MAT-1A.

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

N/A

### **5. Weather**

Sea swell 1-2 ft; wind direction variable but dominantly southerly; wind speed 10-20 kt; dry and sunny becoming cloudy in the afternoon; 20°C.

Next 24 hrs: Seas 2 – 3 ft; NE winds 5 – 10 kt becoming E and then SE by late afternoon; dry and sunny to begin with possibility of thunderstorms and showers, becoming partly cloudy; 20°C.