



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

**7<sup>th</sup> June 2009 (0000-2400, local time)**

### **1. Location**

Hole MAT-2D (Hole M0028A).

Time zone: US Eastern Time, UTC -4

Position at midnight:

Latitude: 39° 33.94279' N

Longitude: 73° 29.83481' W

### **2. Activity summary**

Continue repairs to rig and mud swivel, then reaming back down to 416.65 mbsf to re-commence coring activities.

### **3. Science report**

While removing the fill that had accumulated in the hole since yesterday afternoon the bit became plugged and the core barrel had to be retrieved to clear it. This was archived as core 76R (404-412 mbsf) and though comprised of cavings, it's similarity to previous cores at this depth (medium quartz sand with rare shell fragments) suggested it had not fallen into the hole from more than a few meters above this location.

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

<b>Hole</b>	M0028A
<b>Cores recovered</b>	1 (infill sample)
<b>Drilled length</b>	8.07 m
<b>Recovery length</b>	1.5 m
<b>Recovery</b>	18.59 %
<b>Depth at midnight</b>	411.86 mbsf

### **5. Weather**

Sea swell 2 - 4 ft; S / SW wind orientation; wind speed 10 - 15 kt; sun with patchy cloud; fog coming in towards later afternoon; 24°C.

Next 24 hrs: Sea swell 2 - 3 ft; S winds around 10 kt; fog in the morning; chance of scattered showers and thunderstorms in the afternoon; 24°C.