



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

15th 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 a day of excellent recovery, although cores arrived at a slower pace (1.5 m/hour) compared to yesterday. We documented a nicely prograding sediment body. The nature of the sediment was very monotonous i.e. quartzose, glauconite, silty shales with forams, pyrite, phosphatic grains and shell fragments. The shell fraction seems to increase down section, and we are getting very well preserved marine fauna. We are now 540 meters deep in the hole, very close to the m.6 unconformity at the Miocene-Oligocene boundary.

4. Core recovery details

Hole	M0027A
Cores recovered	167R to 182R (16 cores)
Drilled length	36.6 m
Recovered length	33.5 m
Recovery	91.53 %
Depth at midnight	515.11 mbsf

5. Weather

Sea swell 2-5 ft; wind direction S; wind speed 5-15 kt; chance showers; 23°C. Next 24 hrs: sea swell 2-4ft; wind direction SE; wind speed 5-10 kt (increasing to 10-15 kt with gusts up to 20 kt in the afternoon); dense to patchy fog in the morning; chance of showers; 22°C.