



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

17th 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

Through-HQ pipe logging (spectral gamma and VSP) completed. Open-hole wireline logging and open-hole VSP completed in the bottom interval of Hole M0028A.

3. Science report

With the bottom of the HQ pipe raised to 451 mbsf, the lowermost 223 meters of the open hole were logged with the induction, magnetic susceptibility and acoustic imaging tools. Preliminary review showed excellent quality data for the first two. The centralizer for the acoustic imaging tool was too large to pass through the HQ bit and had to be left off; the data were inadequate as a result. We then repeated yesterday's VSP but this time in open-hole up to the base of the HQ pipe. Without the interference of pipe reverberations the data were excellent, showing sharp first arrivals and reflections from major surfaces that will determine accurately the depth of major seismic sequences. The HQ pipe was then pulled out of the hole to prepare for VSP measurements through the remaining PQ pipe, from 398 mbsf to seafloor.

4. Core recovery details

N/A

5. Weather

Sea swell 3-5 ft; E winds 10-20 kt; dry; 18°C.

Next 24 hrs: sea swell 4-6 ft; S winds 10-15 kt (increasing to 15-20 kt); scattered showers, slight chance of thunderstorms; 19°C.