



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

13th July 2009 (0000 – 2400, local time)

1. Location

Hole MAT-3A (Hole M0029A).

Time zone: US Eastern Time, UTC –4

Position at midnight:

Latitude: 39° 31.1705' N

Longitude: 73° 24.7925' W

2. Activity summary

Continue logging operations at Hole M0029A (MAT-3A).

3. Science report

Today, we continued the logging operations by pulling up the pipes to 481 mbsf and starting logging in open hole condition. We ran the Resistivity (DIL45), the Sonic (15 kHz sonic) and the Magnetic Susceptibility (EM51) tools from 726 to 484 mbsf. The sonic tool was run in two sections (726-577 and 600-484 mbsf) because of a major break down of our 1st winch, which forced us to manually pull up the tool from 577 mbsf to the deck, and to change the winch before starting logging again. Our 2nd winch encountered a technical problem at 2000, as the Acoustic Imaging tool (ABI40) was ready to be deployed.

However, the data we have already got on the lower section of the hole looks very promising. They fit well together, with Gamma Ray, MSCL data and with visual core descriptions.

4. Core recovery details

N/A

5. Weather

Sea swell 1-2 ft becoming 3 – 4 ft by early evening; NE winds 5-10 kt gusting 15 kt occasionally; sunny with patchy cloud, with distant lightning early evening and heavy rain late evening; 24°C.

Next 24 hours: sea swell ~2 ft; NW winds 5 – 10 kt becoming SW by the afternoon; 26°C.