



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

8th 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 coring activities at MAT-2D (M0028A)

3. Science report

Core 78R (412-418 mbsf) was the first recovery from below the depth previously reached 30 hrs earlier. This was the start of improved penetration rates through the section, and recovery throughout the day remained close to 100% in fine sand-sized quartz sand that slowly became muddier with depth. Common mica, occasional shell fragments and traces of lignite, with occasional laminae of fine quartz sand, indicate that while gradually deepening, the depositional environment of these sediments was comparatively shallow. The day ended very positively with core 91R at 458-461 mbsf.

4. Core recovery details

Hole	M0028A
Cores recovered	15
Drilled length	48.79 m
Recovery length	38.69 m
Recovery	79.39 %
Depth at midnight	463.70 mbsf

5. Weather

Sea swell 1 - 3 ft; S / SW wind orientation becoming W by later afternoon; wind speed 5 - 10 kt; sun with patchy cloud; fog early morning, returning in early evening; 22°C.

Next 24 hrs: Sea swell 2 - 3 ft; SE winds around 10 kt; areas of dense fog in the early morning; isolated thunderstorms in the afternoon; showers; 21°C.