



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

29th May 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

Drilling and coring of MAT-2D (M0028A)

3. Science report

We received the first core on deck at 2100. As of midnight, we had retrieved two cores 0,17 and 1,07m-long with dark olive-grey, poorly sorted, very fine- to coarse-grained quartz sand with mica, glauconite, lignite and shell fragments. Quartz grains are rounded to subangular and glauconite grains are well rounded. This unsorted and immature sediment characterizes the top of the progradational clinoforms, below the M5 unconformity.

4. Core recovery details

Hole	M0028A
Cores recovered	2
Drilled length	4.82 m
Recovered length	1.24 m
Recovery	25.73%
Depth at midnight	270 mbsf

5. Weather

Sea swell 1 - 2 ft; E wind direction; wind speed <5 kt with occasional gusts up to 10; period of fog breaking mid-afternoon but returning in the late afternoon; 15 - 19°C depending on fog cover.

Next 24 hrs: Sea swell 1 - 2 ft; NW winds 5-10 kt becoming W by the afternoon; chance of showers and thunderstorms; 24°C.