



Day: 12/07/02
Latitude: 28°07.41 N
Water depth: 1051 m

GMT time: 11:17
Longitude: 89°08.19 W
Location: Kane Spur

Core number: **MD02-2563C²**

Corer type: Giant box core C²
Corer length: 12 m
Core length: 3.86 m

Observations

Corer condition: Good

Core condition: Lot of gas voids and hydrocarbons

Sections and Sampling

Number of sections recovered and conditions:

3 sections of 1.5 m recovered in 2 times (D-tubes), the last section measures 84 cm, a section of 10 cm was taken at the base of every 1.5 m section

Onboard sampling and post cruise processing:

- One set of D-tubes will be processed at Gif-sur-Yvette, the other one by the USGS
- the 10 cm sections were taken for pore water analysis, (microbiology, and SO₄⁻, Cl⁻, CH₄, ¹⁴C, DIC) (MBARI, Univ.Tokyo)
- 1 bag of core top sediment was taken
- X-ray microtomography will be processed post cruise at 80, 210, 345 cm
- USGS core measurements and activities : water content, (USGS-WH), Headspace Gas (USGS-Menlo Park), structure (ODM, PNNL)

Summary of physical and sedimentological observations

Dominant lithologies: Light to dark greenish gray with common tar (bitumen) spots and sandy layers. Formas are rare except on upper part.

Minor lithologies: None.