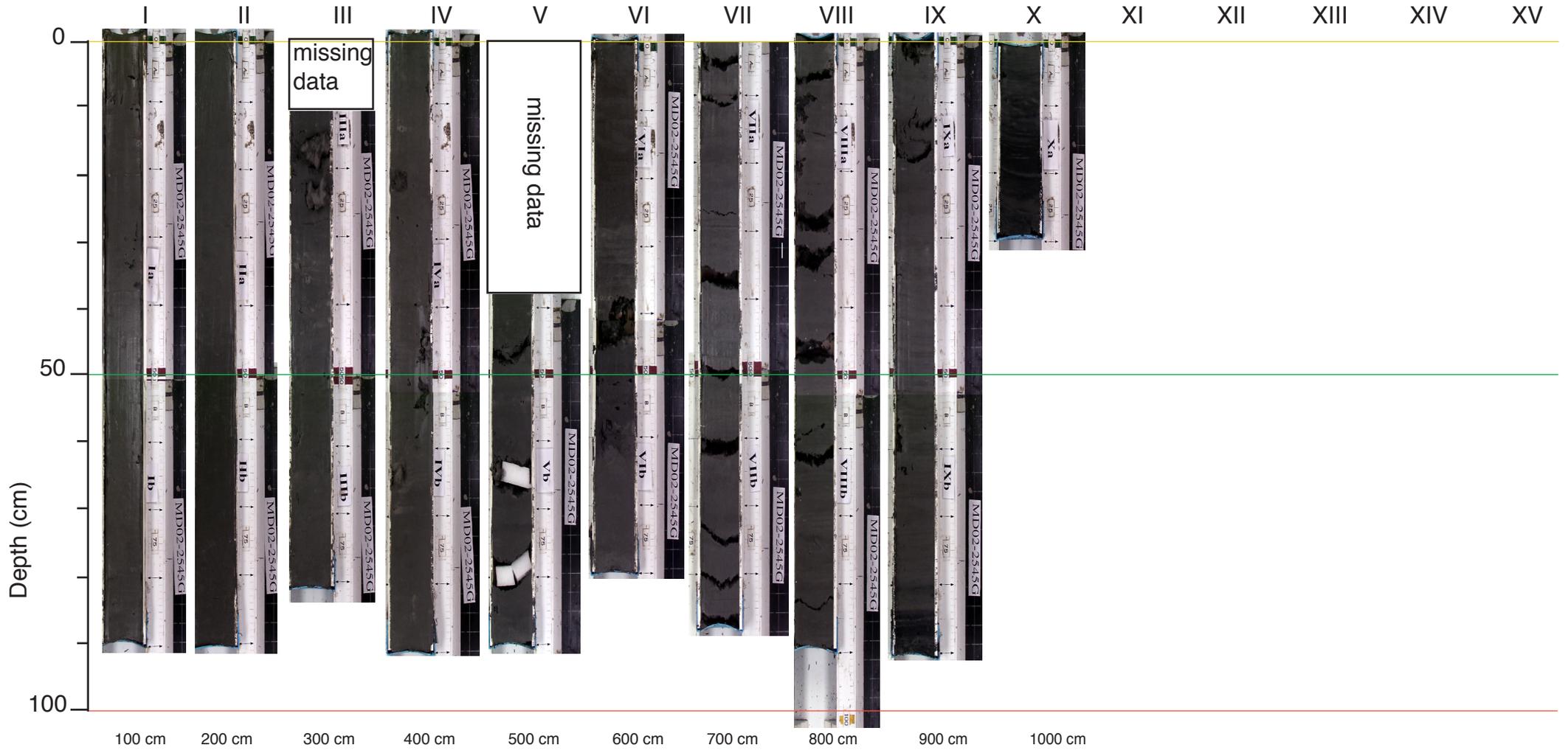


MD02-2545G (sections I to X)



1m long cores, 10cm removed at bottom for pore water analysis

Day: 06/07/02
Latitude: 27°36.84 N
Water depth: 588 m

GMT time: 22:50
Longitude: 92°15.10 W
Location: Tunica Mounds

Core number: **MD02- 2545G**

Corer type: Gravity core
Corer length: 12.20 m
Core length: 9.27 m

Observations

Corer condition:

Core condition:
good conditions.

Sections and Sampling

Number of sections recovered and conditions:

10 sections of 1 meter recovered, the last section measures 150 cm, a section of 10 cm was taken at the base of every 1.5 m section

Onboard sampling and post cruise processing :

- X-ray microtomography will be processed post cruise at 545 cm down core.
- the 10 cm sections were taken for pore water analysis, (microbiology, and SO₄⁻, Cl⁻, CH₄, ¹⁴C, DIC) (MBARI, Univ.Tokyo)
- Two bags of surface sediments have been recovered
- MST magnetic susceptibility, gamma ray attenuation and p-wave measurements were made downcore, at a resolution of 2cm. Colour measurements were taken every 2 cm.
- USGS core measurements and activities : Elec. Resist ; Vane Shear , water content, (USGS-WH), Headspace Gas (USGS-Menlo Park), Thermal conductivity (Univ.Victoria), structure (ODM, PNNL)
- Both working and archive halves will be stored at Texas A&M University

Summary of physical and sedimentological observations

Dominant lithologies: greenish gray silty clay to dark gray clay with foraminifera, bioturbated, homogenous, gas voids common below 420cm, layered from 818 cm downward.

Minor lithologies: carbonate nodules, black streaks common,