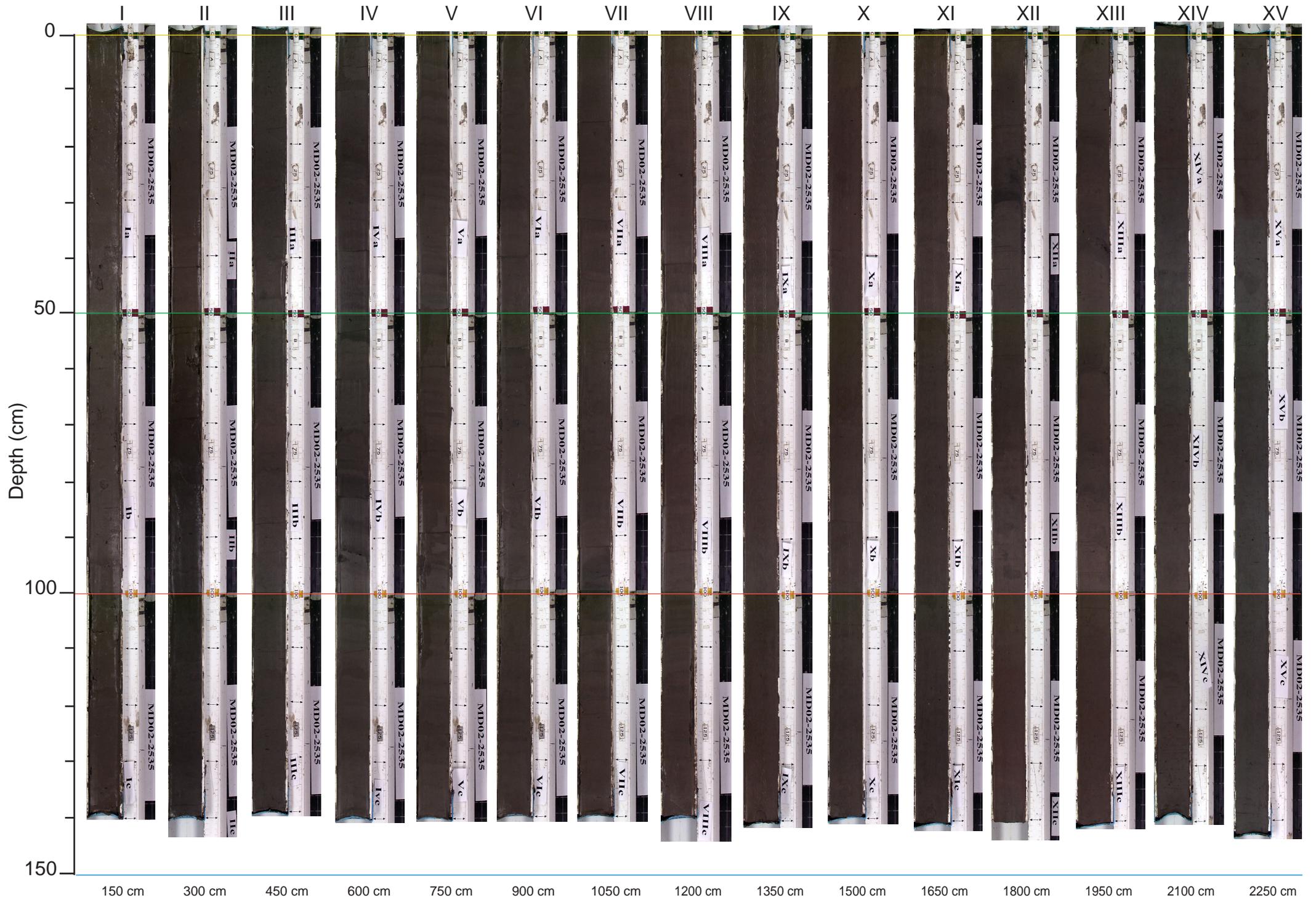
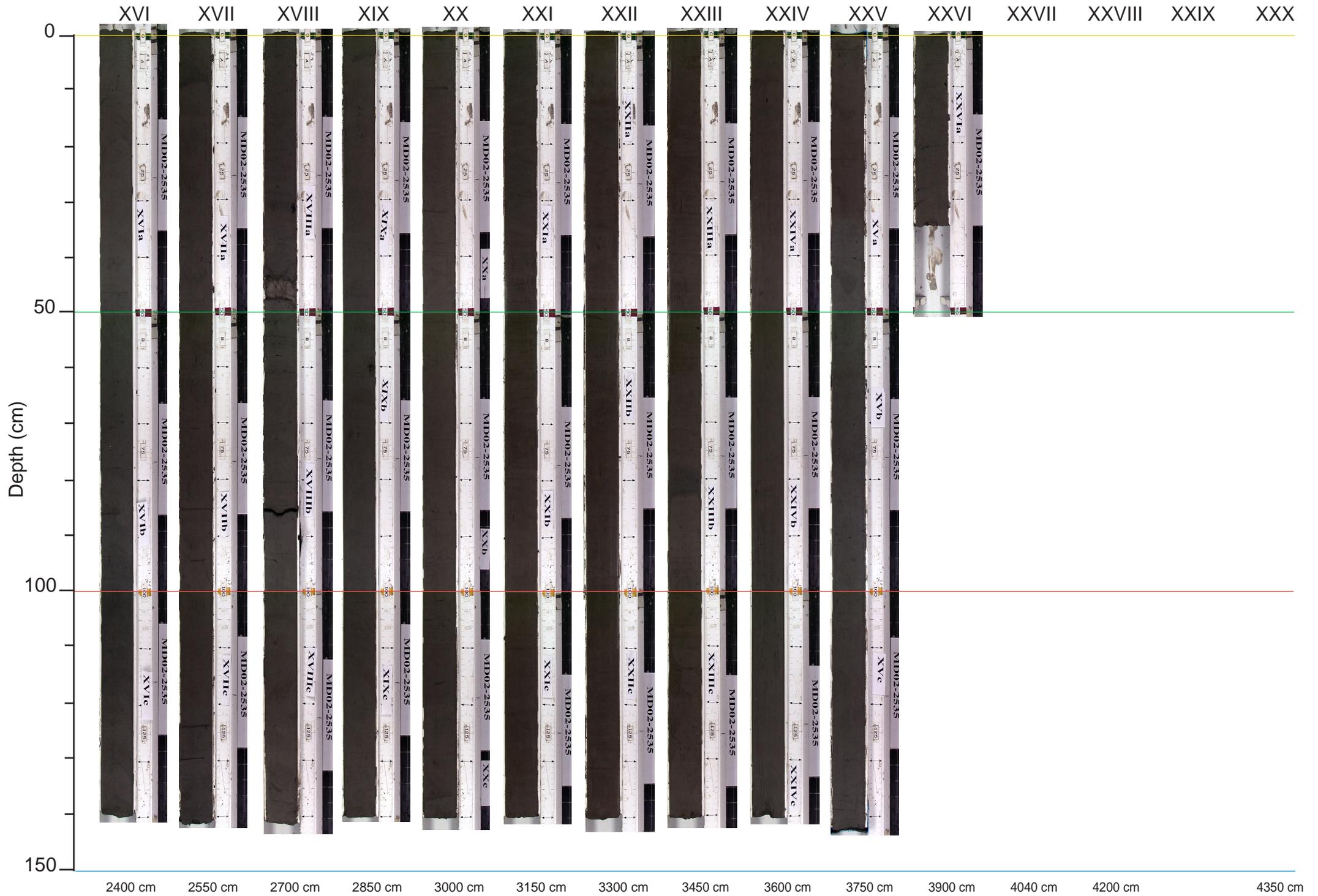


MD02-2535 (sections I to XV)



MD02-2535 (sections XVI to XXVII)



Day: 05/07/02
Latitude: 27°37.19 N
Water depth: 605 m

GMT time: 21:13
Longitude: 92°14.46 W
Location: Tunica Mounds

Core number : **MD02- 2535**

Corer type : Calypso core
Corer length :48.70 m
Core length : 37.84

Observations

Corer condition :

Corer slightly bent on top

Core condition :

good

Sections and Sampling

Number of sections recovered and conditions :

26 sections of 1.5 m recovered, the last section measures 34 cm, good conditions.
A section of 10 cm was taken at the base of every 1.5 m section

Onboard sampling and post cruise processing :

- U-channels were taken from section III to section XXVI, they will be processed at Gif-sur-Yvette
- One bag of core top sediment was taken
- the 10 cm sections were taken for pore water analysis (microbiology and SO₄⁻, Cl⁻, CH₄, ¹⁴C, DIC) (MBARI, Univ.Tokyo)
- 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)
- Both the working and archive halves will be stored at Texas A&M University

Summary of physical and sedimentological observations

Dominant lithologies: 0-9m: greenish gray to brown silty clay with nannofossils and in some intervals rich in foraminifera, bioturbated; 9-13.50m: layered dark gray silty clay, not bioturbated; 13.50-37.84m: brownish dark gray nannofossil clay with rare to common foraminifera, bioturbated.

Minor lithologies: common organic-rich layers with black streaks, pyrite layers