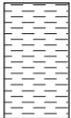
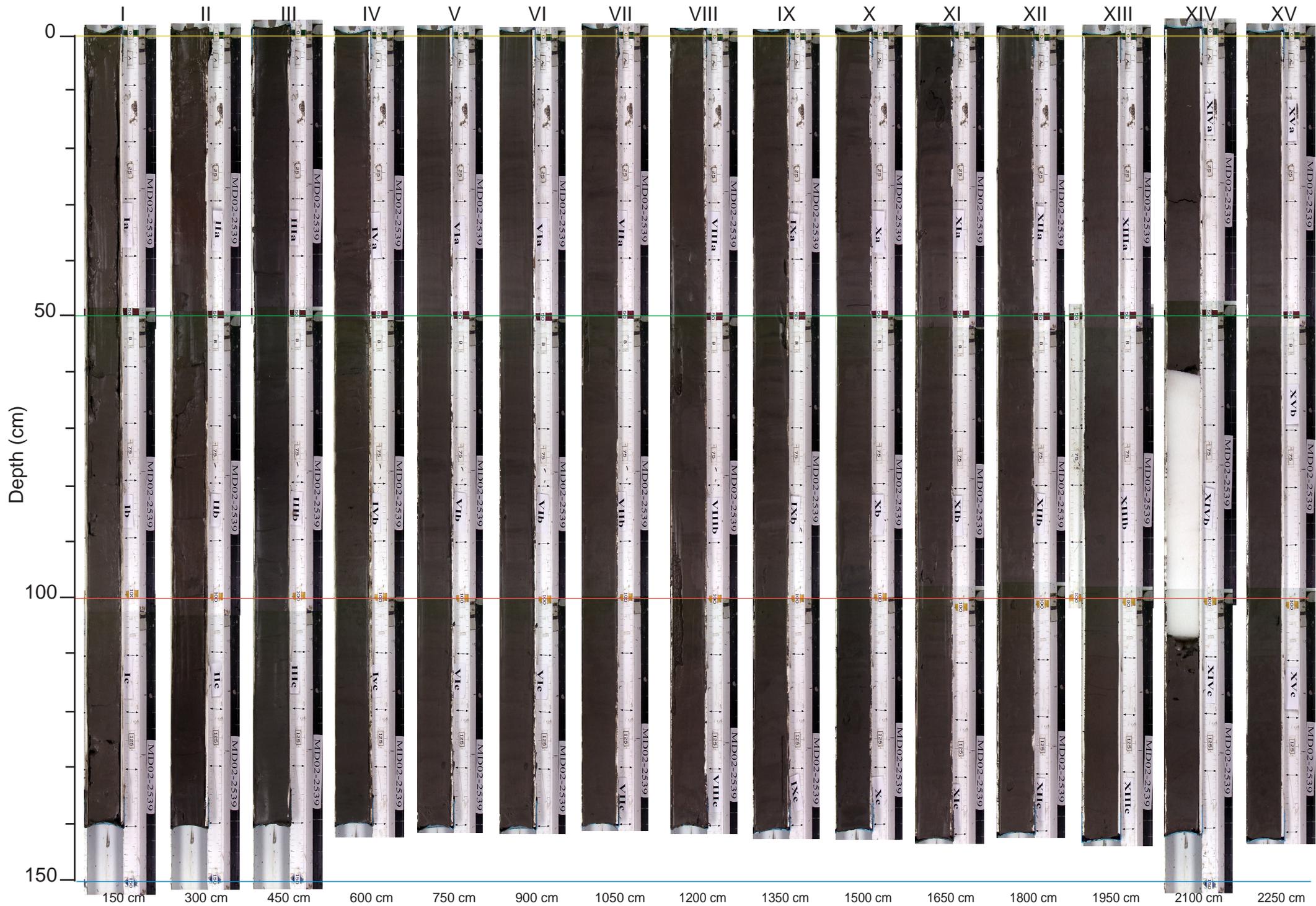


Depth (m)	Core section	Lithology	Structure	Colour	Comments
30	XXI				3000-3110 cm : green gray clay, slightly to medium bioturbated
31					3010 cm end of the core
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

MD02-2539 (sections I to XV)



Day: 05/07/02
Latitude: 27°38.38 N
Water depth: 622 m

GMT time: 17 :42
Longitude: 92°11.53 W
Location: Tunica Mounds

Core number: **MD02- 2539**

Corer type: Calypso core
Corer length: 40.36
Core length:31.10 m

Observations

Corer condition :

Slightly bent

Core condition :

Good conditions

Sections and Sampling

Number of sections recovered and conditions :

21 sections recovered, the last section measures 110 cm

A section of 10 cm was taken at the bottom of every 1.5 m section

Onboard sampling and post cruise processing :

- Both the working and archive halves will be stored at Texas A&M University
- 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
- MST magnetic susceptibility, gamma ray attenuation and p-wave measurements were made downcore, at a resolution of 2cm. Color 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)

Summary of physical and sedimentological observations

Dominant lithologies: interval 0-6m consists of greenish gray to dark greenish gray sandy silt rich in foraminifera (upper 2m) to greenish gray to dark greenish gray silty clay with foraminifera; interval 6-31.10m consists of dark gray clay, in most parts with faint layering; bioturbated.

Minor lithologies: black organic-rich streaks common