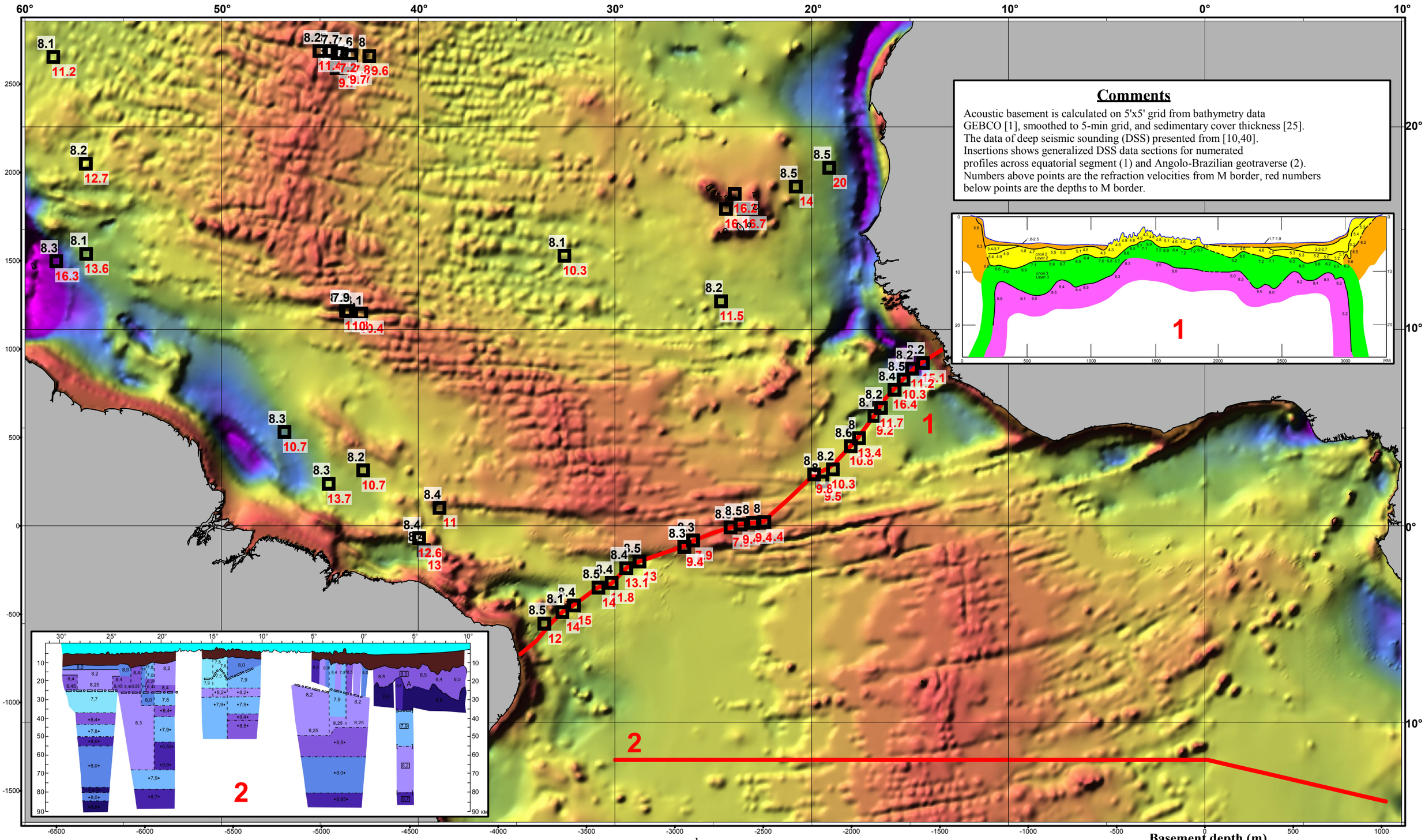
Acoustic Basement and Deep Seismic Sounding Data

Laboratory of Geomorphology and Ocean Floor Tectonics



Comments

Acoustic basement is calculated on 5'x5' grid from bathymetry data GEBCO [1], smoothed to 5-min grid, and sedimentary cover thickness [25]. The data of deep seismic sounding (DSS) presented from [10,40]. Insertions shows generalized DSS data sections for numerated profiles across equatorial segment (1) and Angolo-Brazilian geotraverse (2). Numbers above points are the refraction velocities from M border, red numbers below points are the depths to M border.

km

0 200 400 600 800

Scale 1:20000000 by Equator

Basement depth (m)

-21000 -20000 -19000 -18000 -17000 -16000 -15000 -14000 -13000 -12000 -11000 -10000 -9000 -8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000 2000

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