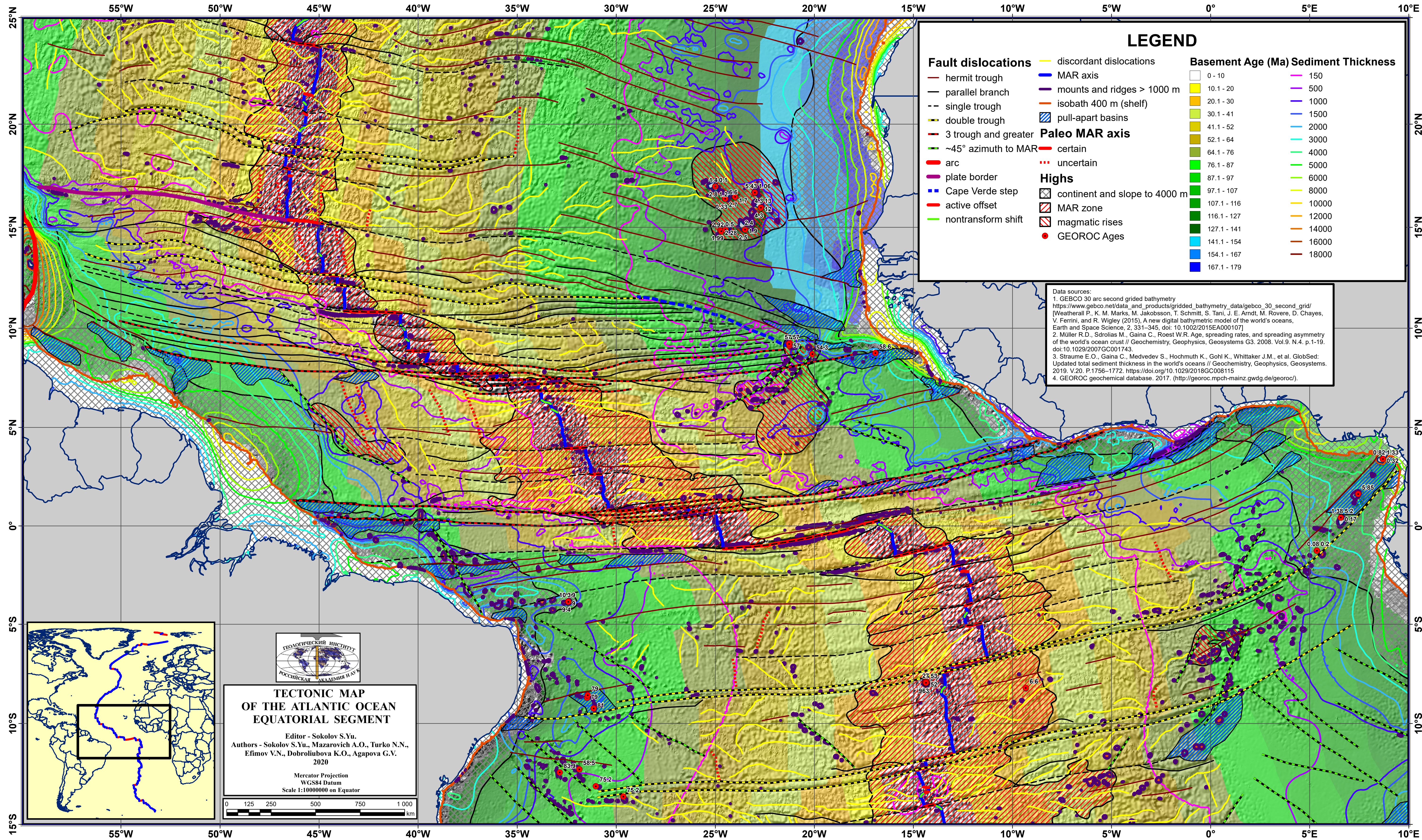


Supplement 1 Part 6

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LEGEND

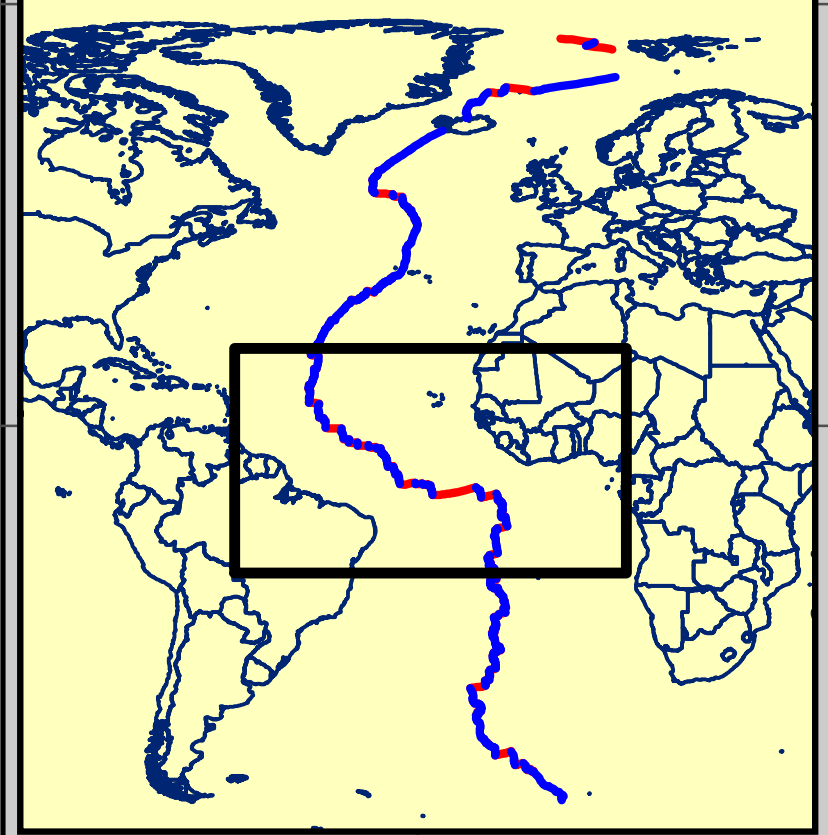
Fault dislocations	— discordant dislocations	Basement Age (Ma)	Sediment Thickness
— hermit trough	— MAR axis	□ 0 - 10	— 150
— parallel branch	— mounts and ridges > 1000 m	■ 10.1 - 20	— 500
- - - single trough	— isobath 400 m (shelf)	■ 20.1 - 30	— 1000
— double trough	▨ pull-apart basins	■ 30.1 - 41	— 1500
— 3 trough and greater	Paleo MAR axis	■ 41.1 - 52	— 2000
— ~45° azimuth to MAR	— certain	■ 52.1 - 64	— 3000
— arc	— uncertain	■ 64.1 - 76	— 4000
— plate border	Highs	■ 76.1 - 87	— 5000
— Cape Verde step	▨ continent and slope to 4000 m	■ 87.1 - 97	— 6000
— active offset	▨ MAR zone	■ 97.1 - 107	— 8000
— nontransform shift	▨ magmatic rises	■ 107.1 - 116	— 10000
	● GEOROC Ages	■ 116.1 - 127	— 12000
		■ 127.1 - 141	— 14000
		■ 141.1 - 154	— 16000
		■ 154.1 - 167	— 18000
		■ 167.1 - 179	


Data sources:
 1. GEBCO 30 arc second gridded bathymetry
https://www.gebco.net/data_and_products/gridded_bathymetry_data/gebco_30_second_grid/
 (Weatherall P., K. M. Marks, M. Jakobsson, T. Schmitt, S. Tani, J. E. Arndt, M. Rovere, D. Chayes, V. Ferrini, and R. Wigley (2015). A new digital bathymetric model of the world's oceans, Earth and Space Science, 2, 331-345, doi: 10.1002/2015EA00107)

2. Müller R.D., Sdrolias M., Gaina C., Roest W.R. Age, spreading rates, and spreading asymmetry of the world's ocean crust // Geochemistry, Geophysics, Geosystems G3. 2008. Vol.9. N.4. p.1-19. doi:10.1029/2007GC001743.

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4. GEOROC geochemical database. 2017. (<http://georoc.mpch-mainz.gwdg.de/georoc/>).




**TECTONIC MAP
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 Efimov V.N., Dobroliubova K.O., Agapova G.V.
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 Mercator Projection
 WGS84 Datum
 Scale 1:10000000 on Equator

