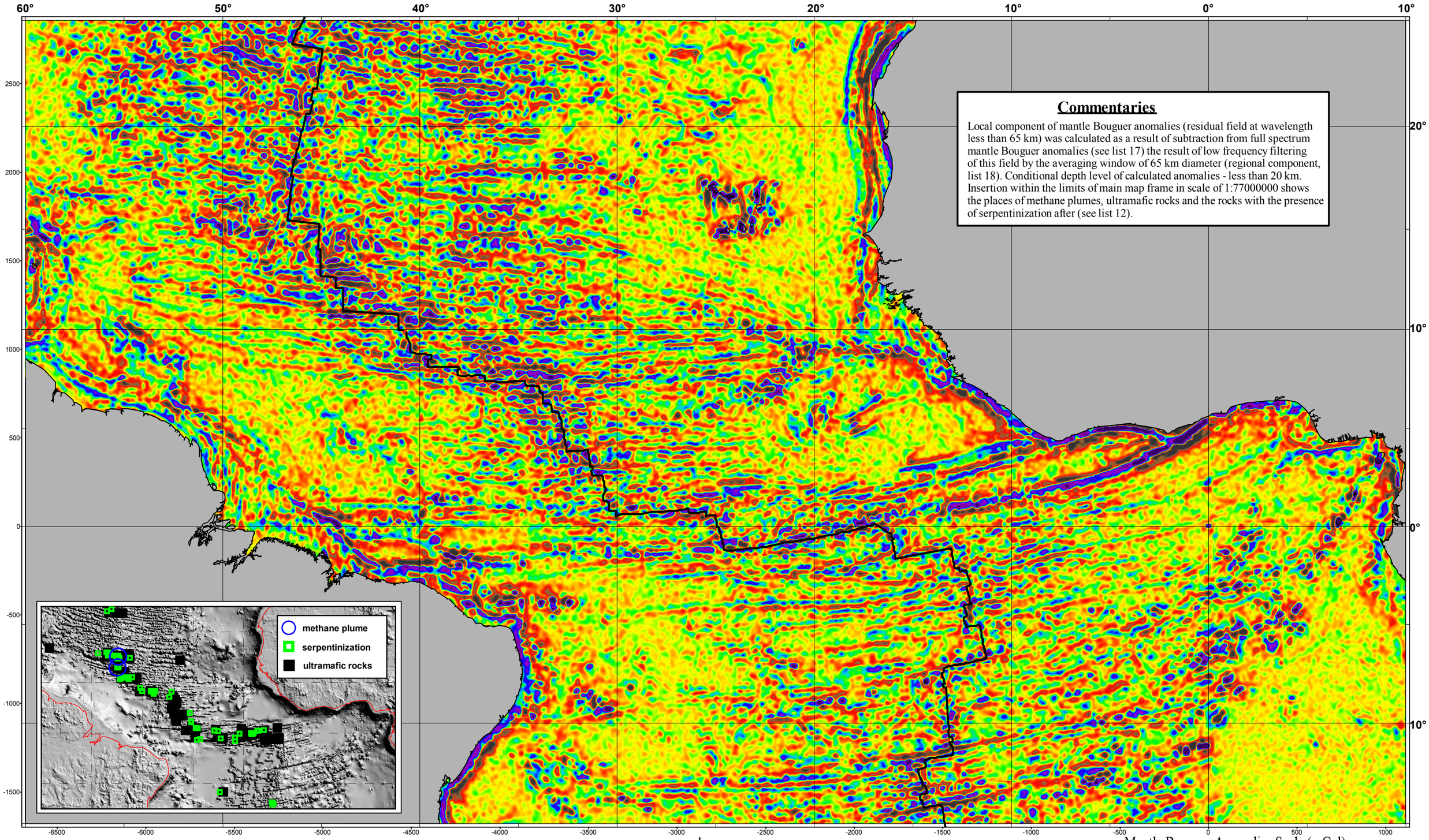
Local Component of Mantle Bouguer Anomalies (residual filed at wavelength less than 65 km).

Laboratory of Geomorphology and Ocean Floor Tectonics



Commentaries

Local component of mantle Bouguer anomalies (residual field at wavelength less than 65 km) was calculated as a result of subtraction from full spectrum mantle Bouguer anomalies (see list 17) the result of low frequency filtering of this field by the averaging window of 65 km diameter (regional component, list 18). Conditional depth level of calculated anomalies - less than 20 km. Insertion within the limits of main map frame in scale of 1:77000000 shows the places of methane plumes, ultramafic rocks and the rocks with the presence of serpentinization after (see list 12).

km

0 200 400 600 800

Scale 1:20000000 by Equator

Mantle Bouguer Anomalies Scale (mGal)

-50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50

List 19.

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