

## 2.1.4. THE TRANSFER OF THE AEROMAGNETIC INFORMATION ON ELECTRONIC SUPPORT AND DATABASE VALIDATION

The model of the total intensity scalar of the geomagnetic field within the project area has been constructed mainly based on the data provided by World Digital Magnetic Anomaly Map (WDMAM) project as achieved by an international team (e.g. Korhonen et al, 2007).

The project integrates airborne geomagnetic data provided by the participant countries with satellite data and ocean bottom information into a consistent image for the altitude of 5000 meters above the WGS 1984 ellipsoid.

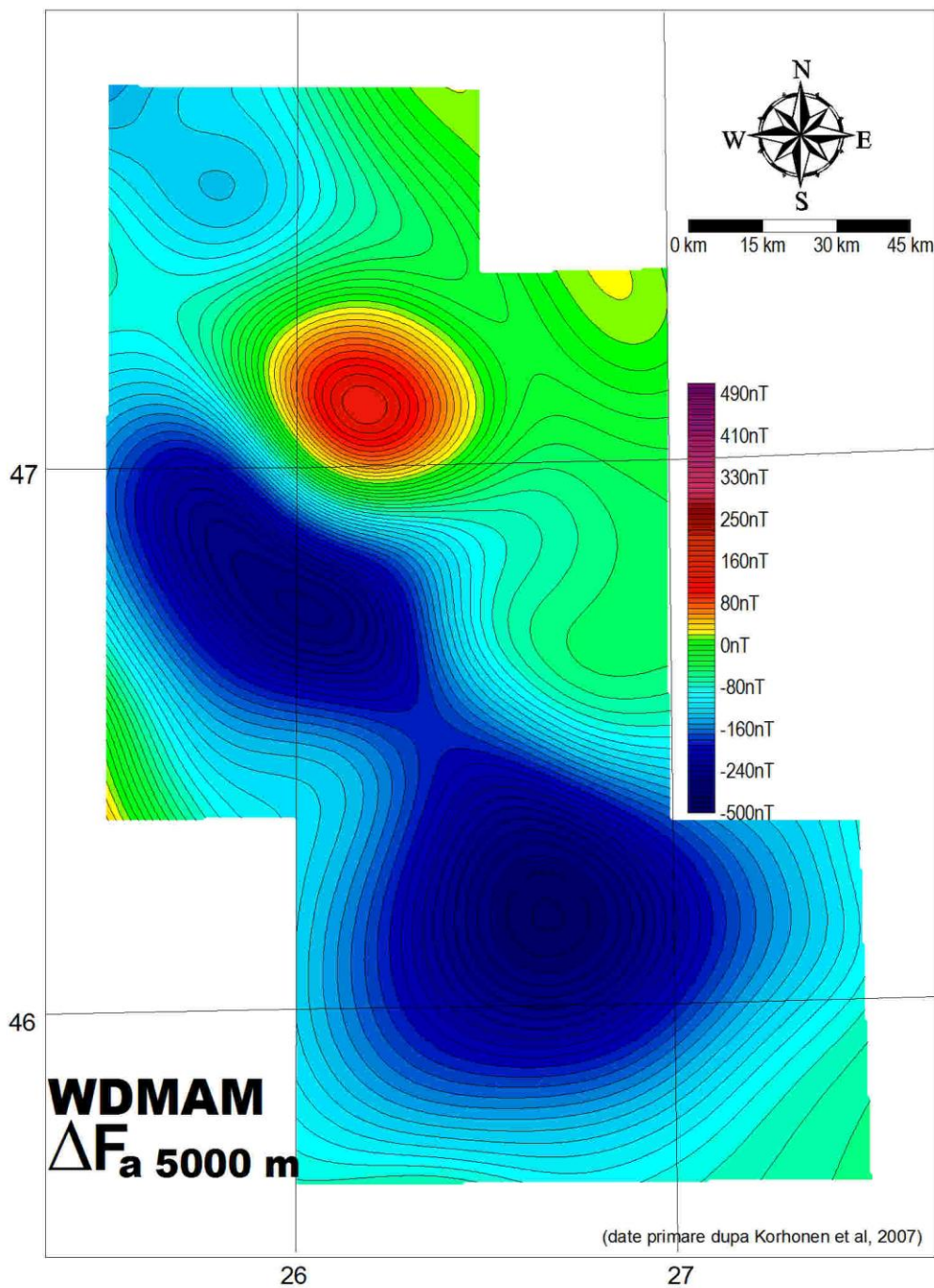


Fig. 6 - TOTAL INTENSITY SCALAR GEOMAGNETIC ANOMALY AT THE ALTITUDE OF 5000 METERS

Following the Romania's decision to participate in WDMAM project a set of aeromagnetic data has been released. The new dataset consisted of a 10 km x 10 km grid of total intensity scalar geomagnetic anomaly, derived from the older regional airborne geomagnetic surveys of the Romanian territory, upward continued at the altitude of 5000 meters (Besutiu et al., 2012).

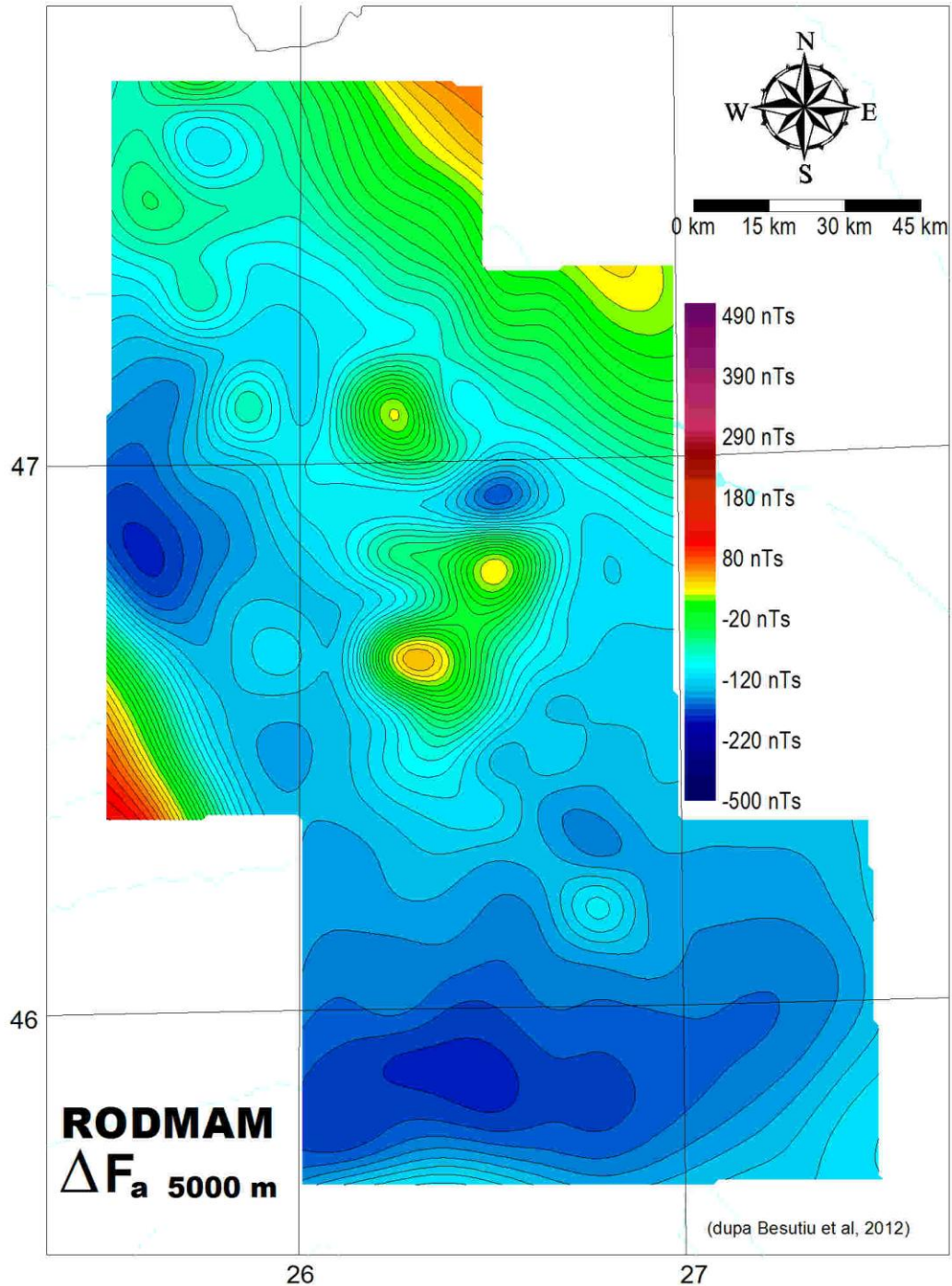


Fig. 7 - TOTAL INTENSITY SCALAR GEOMAGNETIC ANOMALY MODEL BASED ON THE WDMAM - ROMANIAN CONTRIBUTION