

The thrusting can be taken as the driving mechanism in the generating of mosaic-like structure of the Tisza: Preliminary paleomagnetic results from sedimentary rocks of the Transylvanian Basin

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We report our preliminary results from 14 sites sampled in sedimentary rocks from Transylvanian Basin. In the northwestern part of the Basin (Cluj-Jibou area) we sampled 12

sites in Senonian and Tertiary rocks. The other two sites are from the Eocene sandstones from the southeastern corner of the basin (Braşov area). The remanent magnetization of the sampled sites has been studied using thermal and AF demagnetization. We obtained good paleomagnetic results from 5 sites in Cluj-Jibou area and 1 site in Braşov area. The new results show that the large clockwise rotations identified by previous paleomagnetic studies is post-Eocene. This rotation had affected the entire basin. The result from the Pglia tuff (NN5 biozone) shows at least 23° of clockwise rotation post middle Badenian.