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The Romanian network of repeat stations. Methodological aspects 2009-2011

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The paper reports the results obtained in the last three years (2009-2011) regarding the geomagnetic measurements at the 26 repeat stations of the Romanian secular variation network by means of one LEMI-204 DIFlux instrument, one G-856 Geometrics proton magnetometer, and two QHMs. A LEMI-018 magnetic variometer was used to record the geomagnetic variations in each station, as well. The values obtained for the geomagnetic elements H, F, D, and Z, reduced to the middle of the year (geomagnetic epoch year.5) in which measurements were taken would be presented. The reduction of measured data to the desired geomagnetic epoch was done using records of the Surlari geomagnetic observatory. A comparison with local recordings is discussed and the geographical distribution of the geomagnetic field components is presented.