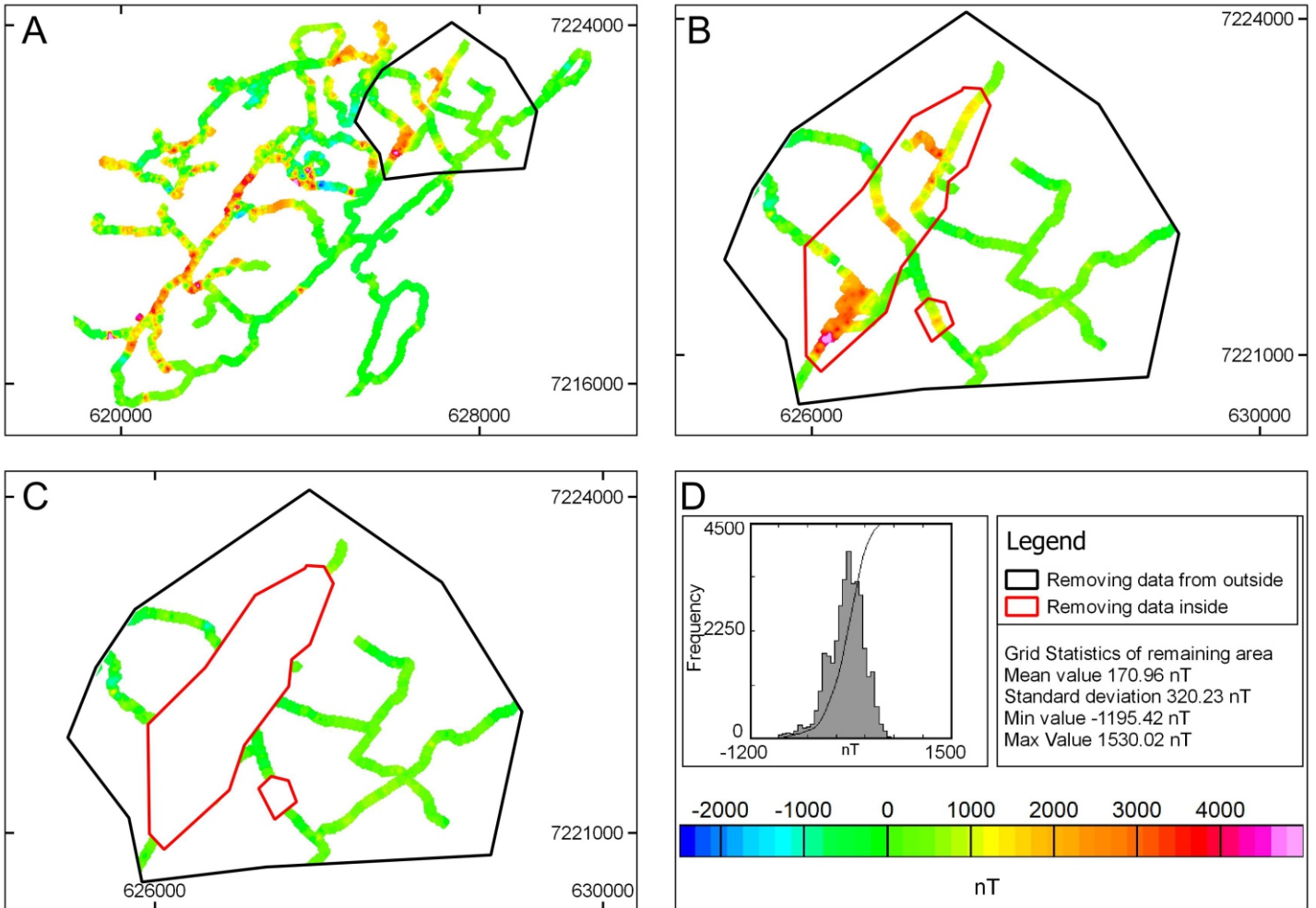


Electronic Supplement 2



Procedure to calculate the magnetic regional background field. (A) Choice of the area for the calculation of the background field (black polygon). (B) The selected area with red polygons around the fault's magnetic anomalies which will be clipped out. (C) Remaining data that represents the input to the statistical analysis of the regional magnetic field. (D) Statistic distribution of the magnetic anomalies from C. Projection: UTM zone 32N, Datum: WGS84.