

## ***Interactive comment on “Homogenization of the historical series from the Coimbra Magnetic Observatory, Portugal” by Anna L. Morozova et al.***

**Vadim Soldatov (Referee)**

[vadim.a.soldatov@gmail.com](mailto:vadim.a.soldatov@gmail.com)

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This is a continuation work extending homogeneity analysis of historical geomagnetic data series to cover all the magnetic field components. Such long historical records are extremely rare and most valuable, especially the very first years of operation, when Europe (and the world) had 3-5 observatories only. This work is a great effort to introduce these data into scientific circulation. The resulting time series will definitely help other researchers in studying the geomagnetic activity in pre-satellite era. The complete data sets are accessible as Excel files, both original and corrected. The format is clear, comprehensible and undoubtedly usable. Although my personal preference is to use more specific formats, such as netCDF or HDF. Plain ASCII text would do as well, as it allows for the direct comparizon of two corresponding files line by line. The

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method chosen is appropriate for the purpose declared. The paper is quite detailed, not to say somewhat lengthy, but hopefully, these details would help potential users of the data in resolving any ambiguities they might encounter. The overall structure of the paper is clear and corresponds to the logic of the study.

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