

Review of the revised Manuscript angeo-2018-31: "Characteristics of the electrojet during intense magnetic disturbances" by L. I. Gromova et al.

In the manuscript the authors analyze total magnetic field data from the CHAMP satellite during six periods of magnetic storms with respect to the relation between the phases of the storms and those of the polar and auroral electrojets. A somewhat complex procedure allows deriving sheet current densities of the Hall currents flowing underneath the spacecraft. The measurements were made during Northern summer periods and stem from noon-midnight as well as dawn-dusk crossings of the spacecraft. The main products consist of correlations between the measured Hall current locations and strengths with auroral and ring current activity as quantified by various geomagnetic indices. The results allow some interesting insights into the mutual dependences or lack of them.

The authors have responded very well to the extensive comments of Reviewer #1 and also to the more general ones which I raised. Abstract, Introduction, and Conclusions have improved and the referenced literature has been extended. I have no new reservations and recommend the paper for publication.