Introducing the VALOR analysis framework: Auroral field-aligned current sheets observed by Swarm

Leonie Pick¹, Joachim Vogt², Adrian Blăgău³, Nele Stachlys⁴

¹DLR Institute for Solar-Terrestrial Physics, Neustrelitz (DE) | ²Jacobs University, Bremen (DE) | ³Institute for Space Science, Bucharest (RO) | ⁴University of Potsdam (DE)

This study was supported by DFG’s priority program 1788 DynamicEarth.

Vectorial
Association
Linearly
 Oriented
 Residua

Case study

Statistics

Pattern function [nT/As]

Pattern function [nT/As]

Quasi-dipole latitude [°]

Magnetic local time

Pick et al., 2021, submitted to Earth, Planets and Space