

### List of substorm catalog publications

1. [Werner, R., V. Guineva, A. Atanassov, R. Bojilova, L. Raykova, D. Valev, A. Lubchich, I. Despirak, Calculation of the horizontal power perturbations of the Earth surface magnetic field](#), Book of proceedings of the [Thirteenth Workshop "Solar Influences on the Magnetosphere, Ionosphere and Atmosphere"](#) Primorsko, Bulgaria, 13 - 17 September 2021, pp.159-164,2021, doi:10.31401/WS.2021.proc
2. [Guineva, V., R. Werner, A. Lubchich, A. Atanassov, R. Bojilova, L. Raykova, D. Valev, I. Despirak, Development of a substorms catalog including the MPB observed at Panagjurishte station](#), Bulgaria, presented at the XII International Conference "Solar-terrestrial relations and physics of earthquakes precursors", Paratunka, Kamchatsky kray, Russia, September 27 – October 01, 2021, EPJ Web of Conferences, v.254, 01002, p.9, 2021, doi: <https://doi.org/10.1051/epjconf/202125401002>
3. [Guineva V., R. Werner, A. Atanassov, R. Bojilova, L. Raykova, D. Valev, I. Despirak, N. Kleimenova, Construction of a catalog of the magnetic variations by data of the Bulgarian station Panagjurishte](#), Proceedings of the [Seventeenth International Scientific conference SES2021](#), 20-22.10.2021, Sofia, Bulgaria, pp.39-44, 2021
4. [Werner R., V. Guineva, A. Lubchich, I. Despirak, R. Bojilova, D. Valev, A. Atanassov, L. Raykova, Determination of power perturbations of the horizontal magnetic field on the Earth surface](#), Proceedings of the [Seventeenth International Scientific conference SES2021](#), 20-22.10.2021, Sofia, Bulgaria, pp.34-38, 2021
5. [Guineva V., R. Werner, R. Bojilova, A. Atanassov, L. Raykova, D. Valev, Maps of the spatial distribution of the variations in the X and Y components of the magnetic field at European midlatitudes during substorms: a case study](#), Proceedings of the [Fourteenth Workshop "Solar Influences on the Magnetosphere, Ionosphere and Atmosphere"](#) Primorsko, Bulgaria, 06 - 10 June 2022, pp.22-28, doi: 10.31401/ws.2022.proc
6. [Guineva V., R. Werner, R. Bojilova, A. Atanassov, L. Raykova, D. Valev, Spatial distribution of the magnetic disturbances at European midlatitudes during substorms: case study](#), Proceedings of Science (PoS), 2022, presented at BPU11, in press
7. [Guineva V., R. Werner, A. Atanassov, R. Bojilova, L. Raykova, D. Valev, Assessment of some substorm parameters based on the midlatitude positive bays and the MPB index maxima](#), Proceedings of the [Eighteenth International Scientific conference SES2022](#), 19-21.10.2022, Sofia, Bulgaria, pp.33-38, 2022