

## Publications in 2007 and 2008

### A. Publications in international peer-reviewed journals with impact factor

Altadill, D., Arrazola, D., Blanch, E., **Burešová, D.** (2008) Solar activity variations of ionosonde measurements and modeling results. *Advances in Space Research*, 42, 610–616.

Baranets, N. V., Sobolev, Ya. P., Ciobanu, M., **Vojta, J.**, **Šmilauer, J.**, Klos, Z., Rothkaehl, H., Kiraga, A., Kudela, K., Matišin, J., Afonin, V. V., Ryabov, B. S., Isaev, N. V. (2007) Development of beam-plasma instability during the injection a low-energy electron beam into the ionospheric plasma. *Plasma Physics Reports*, 33, 995–1013.

Barriopedro, D., García-Herrera, R., **Huth, R.** (2008) Solar modulation of Northern Hemisphere winter blocking. *Journal of Geophysical Research*, 113, D14118, [DOI: 10.1029/2008JD009789](https://doi.org/10.1029/2008JD009789).

**Beranová, R.**, **Huth, R.** (2007) Time variations of the relationships between the North Atlantic Oscillation and European winter temperature and precipitation. *Studia geophysica et geodaetica*, 51, 575–590.

**Beranová, R.**, **Huth, R.** (2008) Time variations of the effects of circulation variability modes on European temperature and precipitation in winter. *International Journal of Climatology*, 28, 139–158.

Bilitza, D., **Truhlík, V.**, Richards, P., Abe, T., **Třísková, L.** (2007) Solar cycle variations of mid-latitude electron density and temperature: Satellite measurements and model calculations. *Advances in Space Research*, 39, 779–789.

Blanch, E., Arrazola, D., Altadill, D., **Burešová, D.**, Mosert, M. (2007) Improvement of IRI B0, B1 and D1 at mid-latitude using MARP. *Advances in Space Research*, 39, 701–710.

Bortnik, J., Thorne, R. M., Meredith, N. P., **Santolík, O.** (2007) Ray tracing of penetrating chorus and its implications for the radiation belts. *Geophysical Research Letters*, 34, L15109, [DOI: 10.1029/2007GL030040](https://doi.org/10.1029/2007GL030040).

Bougeret, J. L., Goetz, K., Kaiser, M. L., Bale, S. D., Kellogg, P. J., Maksimovic, M., Monge, N., Monson, S. J., Astier, P. L., Davy, S., Dekkali, M., Hinze, J. J., Manning, R. E., Aguilar-Rodriguez, E., Bonnin, X., Briand, C., Cairns, I. H., Cattell, C. A., Cecconi, B., Eastwood, J., Ergun, R. E., Fainberg, J., Hoang, S., Huttunen, K. E. J., Krucker, S., Lecacheux, A., MacDowall, R. J., Macher, W., Mangeney, A., Meetre, C. A., Moussas, X., Nguyen, Q. N., Oswald, T. H., Pulupa, M., Reiner, M. J., Robinson, P. A., Rucker, H., Salem, C., **Santolík, O.**, Silvis, J. M., Ullrich, R., Zarka, P., Zouganelis, I. (2008) S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission. *Space Science Reviews*, 136, 487–528.

Breneman, A., Kletzing, C. A., **Chum, J.**, **Santolík, O.**, Gurnett, D., Pickett, J. (2007) Multispacecraft observations of chorus dispersion and source location. *Journal of Geophysical Research*, 112, A05221, [DOI: 10.1029/2006JA012058](https://doi.org/10.1029/2006JA012058).

**Burešová, D.**, **Krasnov, V. M.**, **Drobzheva, Y. V.**, **Laštovička, J.**, **Chum, J.**, **Hruška, F.** (2007) Assessing the quality of ionogram interpretation using the HF Doppler technique. *Annales Geophysicae*, 25, 895–904.

**Burešová, D.**, **Laštovička, J.** (2007) Pre-storm enhancements of foF2 above Europe. *Advances in Space Research*, 39, 1298–1303.

- Burešová, D., Laštovička, J.** (2008) Pre-storm electron density enhancements at middle latitudes. *Journal of Atmospheric and Solar-Terrestrial Physics*, 70, 1848–1855.
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## **B. Publication in other peer-reviewed journals**

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