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Dear SuperMAG Friend

News from the SuperMAG service:

- 1) A general note to users.
- 2) AMBER and IPGP joins the SuperMAG family.
- 3) Large expansion of ULF products.
- 4) ESA SWARM and NASA RBSP footpoints.
- 5) Data holdings update.
- 6) SuperMAG study makes a splash in the media.
- 7) Recent published papers.

As always, comments and suggestions are most welcome.

Best wishes on behalf of the entire SuperMAG team,
Jesper Gjerloev and Shin Ohtani

1) A general note to users.

SuperMAG is approaching 1000 registered users who downloaded a record 15,563 data products in November, and SuperMAG will be used in ~50 papers this year. We are excited about the ever-increasing usage and welcome any feedback that can help us serve you better.

2) AMBER and IPGP joins the SuperMAG family.

"Institut de Physique du Globe de Paris" (IPGP) and African Meridian B-Field Education and Research (AMBER) have joined the SuperMAG family. We look forward to a fruitful collaboration.

3) Large expansion of ULF products.

ULF products have been derived from the entire SuperMAG data holdings (1980-2014). ULF data products are derived from the 1-min magnetometer data provided by the SuperMAG collaborators.

4) ESA SWARM and NASA RBSP footpoints.

Footpoints from the two NASA RBSP satellites and the three ESA SWARM satellites have been added to polar plots. This enables studies of observations made by these mission and the ground level observations.

5) Data holdings update.

Large amounts of data have been provided by the SuperMAG collaborators. Data have been processed, ingested in the service and release through the website. We have also made a large amount of error corrections.

6) SuperMAG study makes a splash in the media.

New research led by physicists at the University of Warwick and JHU-APL has used SuperMAG and tools designed to study social networks to gain new insights into the auroral electrodynamics. See for example:

[BBC](#)

[myscience.org](#)

[spaceref.com](#)

[sciencedaily.com](#)

[sciencenewsline.com](#)

7) Recent published papers.

- Waters, C. L., J. W. Gjerloev, M. Dupont, and R. J. Barnes (2015), Global maps of ground magnetometer data, *J. Geophys. Res. Space Physics*, 120, [doi:10.1002/2015JA021596](#).
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