



INSTITUTET FÖR RYMDFYSIK
Swedish Institute of Space Physics

Swedish Institute of Space Physics (IRF) is a governmental research institute that conducts postgraduate education and research in space physics, atmospheric physics and space technology. Many of IRF's projects are run as large international projects in collaboration with other research institutes and space agencies. IRF has about one hundred employees and offices in Kiruna (headquarters), Umeå, Uppsala and Lund. For more information about IRF: www.irf.se

Post-doctoral position in Atmospheric Physics

Applications are invited for a post-doctoral position with focus on the validation of measurements with ATLID.

Background:

The EarthCARE satellite will be launched later this year. One of the instruments on board will be a lidar, ATLID. In order to evaluate the quality of ATLID observations, data products need to be validated with concurrent ground-based measurements. IRF will contribute with lidar observations of cirrus clouds and polar stratospheric clouds.

The project will be performed at IRF in close collaboration with the Atmospheric Science team at Luleå University of Technology. It will be part of worldwide efforts to validate EarthCARE data products. Hence, the project will give opportunities to collaborate with other validation teams.

Tasks:

The tasks will include but are not limited to:

- lidar measurements
- testing and improving data inversion routines
- analysis of lidar data
- compilation of data products for validation

Qualifications:

The candidate must have completed (or expects to complete within the next months) a PhD in atmospheric science, meteorology or physics. We will primarily consider candidates with a degree obtained within the last three years. If you

have an older degree and want to refer to special circumstances, such as parental leave, this should be clearly stated in your application. Experience with lidar is a merit. Familiarity with C, Fortran and Python is an advantage.

The candidate should not currently be an active postdoctoral researcher at the Swedish Institute of Space Physics.

The position is placed in Kiruna and is funded by the Swedish National Space Agency and will be for 2.5 years. Starting date is second quarter of 2023.

Equality, equal conditions and diversity are fundamental principles in our workplace which means that we consider equality aspects in our daily work and in all decision-making forums.

For further information please contact:

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Trade union representatives:

Uwe Raffalski, SACO-S, e-mail: uwe.raffalski@irf.se

Stefan Karlsson, ST, e-mail: stefan.karlsson@irf.se

Closing date for applications is **8 March 2023**.

Applications should include a CV, a short letter (one page), stating research interests and relevant experience, copies of academic transcripts and contact information for two professional references.

Applications should be submitted, preferably by email, to: registrator@irf.se

Or by mail:

Swedish Institute of Space Physics,
Registrar,
Box 812,
SE-981 28 Kiruna, Sweden

Please quote reference number: 2.2.1-21/23

If your application is sent by e-mail you should get a confirmation that we have received it. If you do not get the confirmation within three days, please contact the registrar: +46 980-790 00.