



Observatory Days, 7th-9th January 2015, Sodankylä Geophysical Observatory

Wednesday, 7th January 2015

12:00 *Lunch*

13:00 Antti Kero, Recent advances in spectral riometry

13.45 Minttu Uunila, VLBI observations at Metsähovi Radio Observatory, and Possibilities of multi-frequency solar observations with Metsähovi and KAIRA

14:30 *Coffee*

15:00 Ilkka Virtanen, Plasma parameters from multistatic, multi-beam incoherent scatter data

15:30 Derek McKay-Bukowski, KAIRA: riometry, interferometry and keograms

16:00 Harri Hellgren, EISCAT_3D Kilpisjärvi demonstrator

16:30 Jyrki Manninen, News from Kannuslehto (VLF)

17:00 *End of Session*

18:30-21:00 *Dinner (30€/pers.) and discussions*

Thursday, 8th January 2015

09:00 Lei Cai, Solar wind effect on Joule heating in the high-latitude ionosphere

09:30 Richard Fallows, Probing the Ionosphere with broadband low-frequency observations of ionospheric scintillation

10:00 Heikki Vanhamäki, Swarm satellite mission: status, data and a new analysis method

10:30 *Coffee*

11:00 Daniel Martini, Geomagnetic Sq-variation revisited

11:30 Mikko Orispää, Methods of constructing quiet day curves

12:00 *Lunch*

13:00 Sari Lasanen, Nonlinear Kalman filtering for plasma parameter estimation

13:30 Lassi Roininen, Latest developments in the a priori probability distribution constructions

14:00 Markku Lehtinen, EISCAT_3D measurement methods

14:30 *Coffee*

15:00 Alexander Kozlovsky, On the VHF radar echoes in the region of midnight aurora: evidence of ground echoes modulated by the ionosphere

15:30 Carl-Fredrik Enell, Overview and demo of the current status of the ESPAS data portal, and, SIC modelling of the effect of X-ray flares as observed by the Ethiopian riometer

16:00 Esa Turunen, Centre for Arctic Geoinnovations and atmospheric chemistry effects of pulsating aurora

16:30 *Discussions*

17:30 *End of Session*

18:30 *Free evening, open programme, possibility for sauna in SGO.*



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Friday, 9th January 2015

09:00 Anita Aikio, Current status of EISCAT3D activities in international and national communities

09:30 EISCAT collaboration meeting

10:30 *Coffee*

11:00 EISCAT collaboration meeting continues

12:00 *Lunch*