

ARTS Workshop
Kristineberg
Monday June 9 to Wednesday June 11, 2014

Participants

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Program

Talk time slots are 30 minutes, but **talks should be only 20 minutes** to have room for discussion.

Monday

08:15 Bus leaves from Göteborg
09:45 Arrival, settling into rooms, coffee
11:00 Welcome and opening
11:15 Patrick/Jana/Oliver: ARTS status and plans

Session 1: Ground-based radiometry

12:00 Kaley/Niall: Microwave radiometry work at University Of Toronto

12:30 Peter Forkman: New CO and O₃ radiometer at Onsala

13:00 Lunch

14:30 Jung Jin Oh: SORAS (110 GHz ozone) and SWARA (22 GHz water) radiometer in Seoul

15:00 Eliane Maillard-Barras: Site atmospheric state best estimate (SASBE) of ozone profile above Payerne, Switzerland

15:30 Coffee + posters

Session 2: Various

16:00 Christian Melsheimer: Sea ice emissivity

16:30 Ian Adams: Three-dimensional simulation of WindSat brightness temperature using TRMM retrievals

17:00 Franz Schreier: ARTS – GARLIC - KOPRA intercomparison

17:30 General discussion

18:00 Dinner

Tuesday

Session 3: Satellite retrievals, limb

09:00 Takayoshi Yamada: Estimation of HO₂ abundance in the small sprite events from SMILES limb observation by using ARTS

09:30 Ole Martin Christensen: First tomographic inversions based on ARTS

10:00 General discussion

10:10 Form and define working groups

10:30 Coffee + posters + start of group work

13:00 Lunch

Session 4: Satellite retrievals, down-ward

14:30 Mathias Milz: Results from the ESA hyperspectral study

15:00 General discussion, back to group work

17:00 Report from groups

18:00 Dinner

Wednesday

Session 5: ARTS 2.2

09:00 Jana Mendrok: ARTS-2.2, treatment of other planets

09:30 Richard Larsson: ARTS-2.2, Zeeman splitting

09:50 Patrick Eriksson: ARTS-2.2, Radio link budget calculations

10:10 General discussion

10:30 Coffee + posters

11:00 More group work, discussion, practical help ...

13:00 Lunch

14:15 Bus leaves for Göteborg