Day 1: Monday 17 June

08:20-08:50  Registration
08:50-09:00  Welcome
09:00-10:30  Morning session I (Chair D. Degenstein):
            “Space-borne limb observations: recent and future missions”
            09:00 – 09:30  John Burrows, “Observation of the Upper Atmosphere: where are we and what do we need?” Invited
            09:50 – 10:10  Chris Boone, “Retrievals for the Atmospheric Chemistry Experiment (ACE) Satellite Mission”
            10:10 – 10:30  Yasuko Kasai, “Overview of SMILES project in NICT and diurnal variation of HCl, ClO and HOCl in upper atmosphere”
10:30-10:50  Coffee
10:50-12:20  Morning session II (Chair K. Walker):
            “Space-borne limb observations: recent and future missions”
            10:50 – 11:20  Didier Rault, “The Ozone Mapper Profiler Suite (OMPS) Limb Profiler. Results after one year of on-orbit operations” Invited
            11:20 – 11:40  Doug Degenstein, “Odin-OSIRIS a Summary of the Past Twelve Years”
            11:40 – 12:00  Takuki Sano, “Overview of SMILES Mission and Scientific Outcomes”
            12:00 – 12:20  Makoto Suzuki, “Results of SMILES-2 Feasibility Study”
12:20-12:30  Group photo
12:30-13:30  Lunch
13:30-15:10  Afternoon session I (Chair A. Rozanov):
            “Space-borne limb observations: recent and future missions”
            14:10 – 14:30  Glen Jaross, “Initial sensor performance and product status of the Suomi-NPP OMPS Limb Profiler” WEBEX
            14:30 – 14:50  P.K. Bhartia, “Highlights of first year of data from the OMPS-limb instrument on Suomi NPP satellite” WEBEX
            14:50 – 15:10  Martin McHugh, “The Doppler Wind and Temperature Sounder (DWTS)” WEBEX
15:10-15:30  Coffee
15:30-17:10  Afternoon session II (Chair J. Burrows):
            “Space-borne limb observations: recent and future missions”
            “Stratospheric observations: trace gas distributions, climatologies and trends”
            15:50 – 16:10  Jānis Puķīte, “NO2 distributions by SCIAMACHY across stratospheric transport barriers in comparison with the general circulation model EMAC”
            16:10 – 16:30  René Hommel, “Total inorganic stratospheric Br inferred from SCIAMACHY limb measurements of BrO”
            16:30 – 16:50  Gabriele Stiller, “Global CFC-11 and CFC-12 measurements from MIPAS”
            16:50 – 17:10  Maryam Khosravi, “Odin climatology of NOx in the stratosphere” PSA
17:10  Poster Session
17:45  Icebreaker
Day 2: Tuesday 18 June

09:00-10:30  Morning session I (Chair G. Stiller):
“Stratospheric observations: trace gas distributions, climatologies and trends”
09:00 –09:30  Susann Tegtmeier, “SPARC Data Initiative - Trace Gas Comparisons” Invited
09:30 –09:50  Kazutoshi Sagi, “Twelve years of Arctic ozone depletion observed by Odin/SMR” PSA
09:50 –10:10  Erkki Kyrölä, “Ozone time series and trend analysis from SAGE II, OSIRIS and GOMOS measurements”
10:10 –10:30  Claus Gebhardt, “Decadal O3 and NO2 trends from SCIAMACHY limb measurements” PSA

10:30-10:50  Coffee

10:50-12:30  Morning session II (Chair D. Rault):
“Stratospheric observations: trace gas distributions, climatologies and trends”
10:50 –11:10  Jo Urban, “11-years of water vapour observations by the Odin Sub-Millimetre Radiometer and future plans”
11:10 –11:30  Stefan Lossow, “Variability and linear changes of stratospheric water vapour: An analysis based on UARS/HALOE and Envisat/MIPAS observations”
11:30 –11:50  Gabriele Stiller, “Quality assessment of water vapor satellite data records within the SPARC WAVAS-II activity”
11:50 –12:10  Farahnaz Khosrawi, “On the connection between stratospheric water vapour changes and widespread severe denitrification in the Arctic”
12:10 –12:30  Klaus Bramstedt, “SCIAMACHY solar occultation: Tangent height determination and trace gas profile retrieval”

12:30-13:30  Lunch

13:30-14:50  Afternoon session I (Chair E. Kyrölä):
“Stratospheric observations: trace gas distributions, climatologies and trends”
13:30 –13:50  Stefan Noël, “CH4 and CO2 Profiles derived from SCIAMACHY Solar Occultation Measurements with Onion Peeling DOAS”
13:50 –14:10  Matthew Toohey “Characterizing sampling-related uncertainties in stratospheric trace gas climatologies”
“Stratospheric aerosols”
14:10 –14:30  Adam Bourassa, “Stratospheric aerosol particle size information in Odin-OSIRIS limb scatter spectra”
14:30 –14:50  Filip Vanhellemont, “AERGOM: Improved aerosol extinction profiles from GOMOS measurements”

14:50 –15:10  Coffee

15:10 –16:50  Afternoon session II: Poster session (authors in attendance)

18:30  Conference dinner
Day 3: Wednesday 19 June

09:00 – 10:40  Morning session I (Chair A. Bourassa):

“Stratospheric aerosols”

9:00 – 9:20 Christine Bingen, “Stratospheric aerosol activities in the framework of Aerosol_CCI”
9:20 – 9:40 Lena A. Brinkhoff, “Retrieval and variability of stratospheric aerosols from SCIAMACHY limb-scatter observations” PSA
9:40 – 10:00 Brenden Elash, “Limb Imaging Aerosol Distributions from Stratospheric Balloon” PSA
10:00 – 10:20 Aldona Wiacek, “Absorbing aerosol radiative effects in the limb-scatter viewing geometry”

10:40 – 11:00  Coffee

11:00 – 12:40  Morning session II (Chair Y. Kasai):

“Limb observations of the upper atmosphere”

11:00 – 11:20 Christian von Savigny, “Impact of the solar 11-year and 27-day cycles on middle atmospheric temperatures”
11:40 – 12:00 Martin Langowski, “Metal and metal ion observations with SCIAMACHY in the mesosphere and lower thermosphere” PSA
12:00 – 12:20 Kristell Pérot, “Energetic Particle Precipitation Indirect Effect: ODIN/SMR Observations Compared to Models”
12:20 – 12:40 Ole Martin Christensen, “Retrievals of water vapour around PMCs from Odin-SMR” PSA

12:40 – 13:40  Lunch

13:40 – 15:00  Afternoon session I (Chair C. von Savigny):

“Limb observations of the upper atmosphere”

13:40 – 14:00 Martin McHugh, “Recent results from SOFIE/AIM” WEBEX
14:00 – 14:20 Oleg Ugolnikov, “SABER and MLS Summer Mesosphere Temperature Profiles Compared with Rayleigh Twilight Polarization Measurements”
14:20 – 14:40 Kota Kuribayashi, “Evaluation of ClO + HO2 → HOCl + O2 reaction in the atmosphere by SMILES observations” PSA
14:40 – 15:00 Kengo Yokoyama, “Strato-mesospheric HCl observed by Superconducting Submilimeter- Wave Limb-Emission Sounder (SMILES)” PSA

15:00 – 15:20  Coffee

15:20 – 16:40  Afternoon session II (Chair J. Urban):

“Airborne measurements”

15:20 – 15:40 Tobias Guggenmoser, “Examining the UTLS with the GLORIA limb imager: Technique and first results from the TACTS/ESMVal campaign in 2012” PSA
15:40 – 16:00 Christoph Kalicinsky, “CRISTA-NF observations of filamentary structures of different origin in the vicinity of the polar vortex” PSA
16:00 – 16:20 Bodo Werner, “UV/vis/near-IR limb measurements onboard the NASA Global Hawk in the tropical tropopause layer (TTL)” PSA
16:20 – 16:40 Jörn Ungermann, “Filamentary structure in chemical tracer distributions near the subtropical jet following a wave breaking event”

16:40 – 17:00  Coffee

17:00 – 17:45  Discussion