

5th Limb conference and workshop**16-19.11. 2009****Finnish Meteorological Institute****Erik Palmenin aukio 1****Kumpula campus**

13.00	14:00	Registration and setting up posters	
		Monday 16, November	Chairs:
Start	End	Instruments & missions 1	Kyrölä. Fussen
14.00	14:20	Welcome	Taalas
14:20	14:50	INVITED: The Atmospheric Chemistry Experiment (ACE): Status and latest results	Boone
14:50	15:20	INVITED: Results from the SOFIE instrument on AIM	Gordley (McHugh)
15:20	15:30	Group photo	
15:30	16:00	Coffee	
16:00	16:30	INVITED: OSIRIS on Odin - Year Nine of a Two Year Mission	Degenstein
16:30	16:50	GOMOS/ENVISAT overview	Kyrölä
16:50	17:10	Current Status of Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES)	Shiotani (Sano)
18.00	20:00	Icebreaker FMI 5th floor	
		Tuesday 17, November	Chair:
Start	End	Retrieval & radiative transfer 1	McLinden
9:00	9:30	INVITED: Retrievals of the water vapor content in the upper troposphere and the lower stratosphere from SCIAMACHY limb measurements	Rozanov
9:30	9:50	Two-Dimensional performance of MIPAS observation modes in the UTLS	Carlotti
9:50	10:10	BROADBAND/CLOUDS: A tool for 2D representation of clouds in MIPAS/ENVISAT scenario	Dinelli
10:10	10:30	Operational and scientific limb retrieval for the SCIAMACHY instrument	Doicu (Hrechanyy)
10:30	11:00	Coffee	
11:00	11:20	2D Tomography for SCIAMACHY Limb Measurements of Scattered Sunlight	Pukite (Kühl)
11:20	11:40	Tomographic retrievals for high spatial resolution measurements of the PREMIER InfraRed Limb Sounder	Hoffman
11:40	12:00	The OMPS Limb Profiler Ozone and Aerosol Profile Retrieval Algorithms	Loughman
12:00	12:20	On the multi-mission validation of ozone limb sounders using NDACC network data	Lambert
12:20	12:40	Non-linear inverse problems and model selection in satellite remote sensing	Tamminen
12:40	13:40	Lunch	

		Tuesday 17, November	Chair:
Start	End	Stratosphere 1	Savigny
13:40	14:10	INVITED: Evolution of the stratospheric aerosol enhancement following the Kasatochi eruption: OSIRIS measurements	Bourassa
14:10	14:30	Combining recent satellite time-series for analyses of trends in stratospheric trace gases: methodology, results, future possibilities	Urban
14:30	14:50	A thirty-year (1979-2009) ozone data set from SAGE, OSIRIS and SBUV observations: methodology and trend analysis	McLinden
14:50	15:10	Time series analysis of GOMOS and OSIRIS O3 and NO2 profiles	Kyrölä
15:10	15:30	Stratospheric profiles of NO2, BrO and OCIO: Observations by SCIAMACHY and comparisons to ECHAM6/MESy1	Kühl
15:30	16:00	Coffee	
18:00		Dinner (in city, see http://www.botta.fi/BANQUET-FLOOR.2.0.html?&L=1)	
		Wednesday 18, November	Chair:
Start	End	Retrieval & radiative transfer 2	Tamminen
9:00	9:20	ECMWF, a gravity wave resolving global model and its validation with SABER and future limb imaging instruments (PREMIER)	Schroeder
9:20	9:40	The OMPS Limb Profiler retrieval algorithms: Testing and performance analysis	Taha
9:40	10:00	Retrieval of GOMOS bright limb ozone profiles	Tukiainen
10:00	10:20	SASKTRAN: A spherical radiative transfer tool for the limb community	Lloyd
10:20	11:00	Coffee & Posters	
11:00	11:20	Retrieval of BrO vertical profiles from SCIAMACHY limb during Arctic spring 2008	Parella
11:20	11:40	Eight years of BrO from OSIRIS: climatology, inferred Bry, and trends	McLinden
11:40	12:00	JEM/SMILES L2 data processing system on ISAS/JAXA	Mitsuda
12:00	12:20	ISS/JEM/SMILES operational L2 Data products by ISAS/JAXA	Suzuki
12:20	13:20	Lunch & Posters	
		Wednesday 18, November	Chair:
Start	End	Stratosphere 2 & troposphere	Verronen
13:20	13:50	INVITED: Quantifying gravity waves and turbulence in the stratosphere using satellite measurements of stellar scintillation	Sofieva
13:50	14:10	New stratospheric ozone results from SCIAMACHY/Envisat	Savigny
14:10	14:30	Odin-SMR measurements of tropical upper tropospheric water	Eriksson
14:30	14:50	Observation of a tropopause fold with the Cryogenic Infrared Spectrometers and Telescopes for the Atmosphere - New Frontiers	Weigel
14:50	15:20	Coffee & Posters	

		Wednesday 18, November	Chair:
Start	End	Mesosphere	Murtagh
15:20	15:50	INVITED: Observations of Energetic Particle Precipitation Effects upon the Middle Atmosphere	Seppälä
15:50	16:10	Mesospheric odd hydrogen as an indicator of energetic particle precipitation	Verronen
16:10	16:30	Mesospheric Ozone from the Hartley Band	Hedin
16:30	17:00	INVITED: An overview of the Odin/SMR measurements in the polar summer region	Lossow
17:00	17:20	Solar impact on noctilucent clouds	Savigny
17:20	17:40	Nighttime Limb Observations of the Mesosphere and the Lower thermosphere with OSIRIS on Odin	Llewellyn
		Wednesday 18, November	Chair:
No	Posters		Sofieva
1	Solar occultation images analysis using Zernike polynomials - an ALTIUS imaging spectrometer application		Dekemper
2	Retrieval of stratospheric aerosol distributions from SCIAMACHY limb measurements: first steps and methodology		Ernst
3	Seven years of stratospheric BrO observations from SCIAMACY		Rozanov
4	Comparison of Ozone Profiles from the FinROSE-CTM with GOMOS data and ozone soundings		Thölix
5	Sounding the Upper Troposphere-Lower Stratosphere using a tomographic approach		Papandrea
6	3-D modelling of solar proton events with chemistry and transport model FinROSE		Salmi
7	TELIS Data Processing - Status and First Results		Schreier
8	Excess Dark Current from the OSIRIS CCD detectors onboard Odin		Leppelmeier
9	Spectral modeling at www.SpectralCalc.com		McHugh
		Thursday 19, November	Chair:
Start	End	Instruments & missions 2	Degenstein
9.00	9:30	INVITED: PREMIER	Kerridge (Murtagh)
9:30	9:50	The STEAM-R instrument - sub-mm array for atmospheric limb measurements	Murtagh
9:50	10:10	L2/L3 data processing in NICT for the JEM/SMILES limb sounder on International Space Station	Baron
10:10	10:40	INVITED: The upcoming OMPS/LP mission	Rault
10.40	11:00	SPARC Data Initiative on chemical observations	Tegtmeier
11:00	11:30	Coffee	
11:30	12:30	Discussion	
12:30	13:30	Lunch	
13:30	17:00	Workshops and discussions	