

Monday 25.4.2016		Theme A: Stratospheric aerosol of the past	
12.00 - 13.00	Registration		
13.00-13.15	Welcome and Overview		Markus Rex
13.15-13.45	SSiRC Activity: Status and Future Directions	ISSI, Chapman conference	Larry Thomason
13.45-14.15	Highlights of the review paper: Stratospheric aerosol - Observations, processes, and impact on climate	Invited Talk	Stefanie Kremser
14.15-14.45	Overview about StratoClim and other measurements activity related to SSiRC	Talk	Markus Rex
14.45-15.00	Current stratospheric activities in Aerosol_CCI around GOMOS	Talk	Christine Bingen
15.00-15.15	VoMIP: The CMIP6 model intercomparison project on the climatic response to volcanic forcing	Talk	Claudia Timmreck
15.15-16.00	Afternoon Tea		
16.00-16.15	Winter Warming and Summer Monsoon Reduction after Volcanic Eruptions in Coupled Model Intercomparison Project 5 Climate Models	Talk	Alan Robock
16.15-16.30	Volcanoes and Climate: Sensitivity to ENSO phase and Eruption Magnitude	Talk	Evgeniya Predybaylo
16.30-16.45	Stratospheric aerosols from major volcanic eruptions: a model study of the aerosol cloud dispersal and e-folding time	Talk	Daniele Vioni
16.45-17.00	Radiative and Chemical Impacts of Stratospheric Aerosols from Volcanic Eruptions as Simulated in the NASA GEOS-5 Earth System Model with Sectional Aerosol Microphysics	Talk	Peter Colarco
17.00-17.15	The influence of stratospheric dynamics on the forcing efficacy of tropical volcanic SO <sub>2</sub> injection: a case study around the 1991 Mount Pinatubo eruption	Talk	Sandip Dhomse
17.15-17.30	Stratospheric dynamics following the eruption of Mt. Pinatubo	Talk	Aaron Match
17.30-17.45	The impact of chlorine and bromine emissions from large Plinian eruptions on stratospheric ozone	Talk	Kristin Krueger

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17.45-18.00	Using coupled regional Ocean/- Atmosphere modeling system to study effects of Pinatubo and Tambora eruptions on the Middle East and Red Sea	Talk	Sergey Osipov
18.00-19.00	<b>Reception at the workshop venue</b>		

<b>Tuesday 26.4.2016</b>		<b>Theme B : Stratospheric aerosol and precursor sources of the past two decades</b>	
8.30-9.00	In situ/ satellite observations of stratospheric aerosol and gas precursors	Invited Talk	Terry Deshler
9.00-9.15	On the stratospheric aerosol budget at Northern mid-latitudes from 21 years of ground-based lidar and satellite observations	Talk	Sergey Khaykin
9.15-9.30	Sulfur containing species from the upper troposphere to the upper stratosphere: an overview on MIPAS measurements of SO <sub>2</sub> , COS and aerosol mass 2002-2012	Talk	Michael Hopfner
9.30-9.45	In-Situ Stratospheric Size Distribution Measurements over the last 10 years – comparisons with OSIRIS and OMPS extinction, and COBALD backscatter measurements.	Talk	Katie Foster
9.45-10.00	Global morphology of stratospheric aerosols from 2003 – 2011 retrieved from SCIAMACHY limb-scatter observations	Talk	Christian v. Savigny
<b>10.00-12.00</b>	<b>POSTER SESSION</b>	<b>Morning Tea</b>	
12.00-12.15	The role of the ocean in the atmospheric budget of carbonyl sulfide	Talk	Sinikka Lennartz
12.15-12.30	Carbonyl sulfide in the stratosphere	Talk	Corinna Kloss
12.30-12.45	Dimethylsulphide (DMS): A potential marine source for stratospheric sulphur?	Talk	Susann Tegtmeier
12.45-13.00	UT/LS Measurements of SO <sub>2</sub> Using a New Airborne Sensor	Talk	Andrew Rollins
<b>13.00-14.30</b>	<b>Lunch</b>		
14.30-15.00	Sulfur budget from a model perspective	Invited Talk	Thomas Peter
15.00-15.15	Stratospheric Sulphur – 3D Chemical Transport Model Simulations and MIPAS/ENVISAT Satellite Measurement	Talk	Annika Günther
15.15-15.30	Modeling stratospheric aerosol with the GEOS-5 Chemistry Climate Model	Talk	Valentina Aquila

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15.30-15.45	What is the limit of climate engineering by stratospheric injection of SO <sub>2</sub> ?	Talk	Ulrike Niemeier
15.45-16.00	Model calculations of the contribution of SO <sub>2</sub> to the stratospheric sulfur layer	Talk	Ingo Wohlmann
16.00-16.15	The influence of meteoric smoke particles on stratospheric aerosol properties	Talk	Graham Mann
<b>16.15-16.45</b>	<b>Afternoon Tea</b>		
16.45-18.00	Stratospheric Aerosol Climatologies	Breakout Groups	Moderated by: Larry Thomason and Thomas Peter
16.45-18.00	Sulfur transport by the Asian Monsoon	Breakout Groups	Moderated by: NN

Wednesday 27.4.2016		Theme B: Stratospheric aerosol and precursor sources of the past two decades	
8.30-9.00	Characterising the Asian Tropopause Aerosol Layer using in situ balloon borne measurements, satellite observations, and chemical transport modeling.	Invited Talk	Duncan Fairlie
9.00-9.15	Long-term measurements of UT/LMS aerosol particles by the IAGOS-CARIBIC observatory: size distributions, elemental composition, and black carbon	Talk	Markus Hermann
9.15-9.30	Impact of Asian pollution on the Asian summer monsoon anticyclone	Talk	Suvarna Fadnavis
9.30-9.45	In situ measurements of aerosol size distributions inside the Asian Summer Monsoon Anticyclone	Talk	Ru-Shan Gao
9.45-10.00	Anthropogenic and volcanic contributions to aerosol composition and decadal variations in the upper troposphere and lower stratosphere	Talk	Mian Chin
<b>10.00-12.00</b>	<b>POSTER SESSION</b>	<b>Morning Tea</b>	
12.00-12.15	Sensitivity of thermal infrared nadir instruments to the chemical and microphysical properties of UTLS secondary sulfate aerosols	Talk	Pasquale Sellitto
12.15-12.30	Vertical distribution of stratospheric aerosols using LOAC under weather balloons at different latitudes – Comparisons with other observations and characterization of sources	Talk	Damien Vignelles

<b>Wednesday 27.4.2016 Theme B: Stratospheric aerosol and precursor sources of the past two decades</b>			
12.30-12.45	Implementation of volcano eruptions and the stratospheric sulfur budget in a chemistry circulation mod	Talk	Christoph Bruehl
12.45-13.00	Organic and anthropogenic contributions to stratospheric aerosols	Talk	Daniel M. Murphy
<b>13.00-14.30</b>	<b>LUNCH</b>		
14.30-15.00	Long-range transport, air quality and climate impacts of volcanic sulfur emitted by Icelandic volcanic eruptions	Invited Talk	Anja Schmidt
15.00-15.15	The persistence of ash in the lower stratosphere after the Kelud eruption	Talk	Jean-Paul Vernier
15.15-15.30	The vertical distribution of volcanic SO <sub>2</sub> plumes measured by IASI	Talk	Elisa Carboni
15.30-15.45	Global volcanic aerosol properties derived from emissions, 1990-2015, using CESM1(WACCM)	Talk	Michael Mills
15.45-16.00	Revisiting the expected radiative forcing from extra-tropical vs. tropical volcanic eruptions	Talk	Matt Toohey
<b>16.00-16.30</b>	<b>Afternoon Tea</b>		
16.30-18.30	ISA_MIP Modelintercomparison of Interactive Stratospheric Aerosol models	Breakout Groups	Graham/ Claudia
16.30-18.30	Summer 2016 measurements in Asia StratClim/SWOP/BATAL ?	Breakout Groups	Jean-Paul/ Markus
<b>19.00-22.00</b>	<b>River Cruise Dinner</b>		

<b>Thursday 28.4.2016 Theme C : Stratospheric aerosol of the Future</b>			
8.45-9.15	NASA Current and Future planning for stratospheric aerosol measurements and such	Invited Talk	Ken Jucks
9.15-9.30	A New Generation of Balloon Borne Aerosol Sizing Instruments to Extend the Midlatitude Stratospheric Aerosol Record	Talk	Lars Kalnajs
9.30-9.45	The planned ALTIUS satellite instrument and its potential to observe stratospheric and upper tropospheric aerosols and clouds.	Talk	Filip Vanhellemont
9.45-10.00	UTLS time series of aerosol derived from infrared limb emission measurements	Talk	Sabine Griessbach
<b>10.00-10.30</b>	<b>Morning Tea</b>		

Thursday 28.4.2016		Theme C : Stratospheric aerosol of the Future	
10.30-11.30	Feedback from the Breakout groups (15 min each group)	Summary	BG leaders
11.30-12.15	Are we ready for the next volcanic eruptions?	Discussion	Jean-Paul Vernier
12.15-13.00	Suggestions for SSiRC from the Attendees	Feedback	Larry / Markus / Claudia
<b>13.00-13.15</b>	<b>Adjourn</b>		
15.00-17.30	SSiRC SSG Meeting	SSG Members only	