

S-RIP 2017 and 13th SPARC-DA Workshop Agenda (as of 17 October 2017)

For presenters: The aspect ratio of the screen/projector is 16:9 (although 4:3 is also OK). The poster boards are for A0 portrait posters.

Monday 23 October S-RIP Day 1 (Council Room)

0900-0910	Welcome & Logistics	Masatomo Fujiwara, Beatriz Monge-Sanz
Chapters 1, 2, and 3. Chair: Lesley Gray Rapporteur: Simon Chabrilat		
0910-0930	Introduction to S-RIP & Chapter 1	Masatomo Fujiwara
0930-1000	Chapter 2 overview	Jonathon Wright
1000-1030	Chapter 3 overview	Craig Long
1030-1100	Coffee Break	
Chapters 4 and 5. Chair: Michelle Santee Rapporteur: Hua Lu		
1100-1130	Chapter 4 overview	Michaela Hegglin
1130-1150	MERRA-2 ozone: approach, validation and science	Kris Wargan
1150-1210	Chapter 5 overview	Beatriz Monge-Sanz
1210-1230	Effects of natural variability on the Brewer-Dobson circulation and stratospheric water vapor in ERA-Interim and JRA-55 reanalysis	Mohamadou Diallo
1230-1250	Brewer-Dobson circulation inter-comparison based on residual circulation diagnostics	Marta Abalos
1250-1300	Poster Introductions	
1300-1400	Lunch at ECMWF Restaurant	
1400-1430	Poster Viewing	
1430-1450	Mean age of stratospheric air since 1985: large disagreements between five modern reanalyses	Simon Chabrilat
Chapters 6 and 7. Chair: Lynn Harvey Rapporteur: Toshihiko Hirooka		
1450-1510	Chapter 6 overview	Ed Gerber
1510-1530	The Annular Modes in Reanalysis: variability of our atmosphere?	Ed Gerber
1530-1550	Stratosphere-troposphere coupling associated with the Antarctic ozone hole, the uncertainties in zonal mean circulation and wave forcing	Hua Lu
1550-1620	Coffee Break and Poster Viewing	
1620-1650	Chapter 7 overview	Cameron Homeyer
1650	Adjourn	
1730	Icebreaker Reception at ECMWF	

Tuesday 24 October S-RIP Day 2 (Council Room)

Chapters 8 and 9. Chair: Craig Long Rapporteur: Jonathan Wright		
0900-0920	Chapter 8 Overview	Kirsten Krüger
0920-0940	Heating rates and clouds in the TTL	Bernard Legras
0940-1000	Analyses and intercomparison of Asian summer monsoon characteristics	Matthias Nützel
1000-1020	Chapter 9 Overview	Lesley Gray
1020-1040	The Holton-Tan Effect and its Mechanisms: Do All Reanalyses Agree?	Hua Lu
1040-1100	QBO-driving gravity waves resolved in reanalyses compared to satellite observations	Corwin Wright
1100-1130	Coffee Break and Poster Viewing	
Chapters 10 and 11. Chair: Beatriz Monge-Sanz Rapporteur: Cameron Homeyer		
1130-1200	Chapter 10 overview	Michelle Santee
1200-1220	Observational and Model Comparisons of Polar Processing in the Arctic and Antarctic using MLS and BASCOE	Michelle Santee
1220-1240	Chapter 11 overview	Lynn Harvey
1240-1300	Climatology and variability of the semiannual oscillation and the related tropical circulation	Toshihiko Hirooka
1300-1400	Lunch at ECMWF Restaurant	
1345-1415	Supercomputer Tour (optional, see sign-up sheet at registration desk)	
1400-1430	Poster Viewing	
General Discussion Chair: Lesley Gray Rapporteurs: Marta Abalos, Ed Gerber		
1430-1530	General Discussion	Masatomo Fujiwara
1530-1600	Coffee Break and Poster Viewing	
1600	Adjourn	

Wednesday 25 October Joint S-RIP & DA Session (Lecture Theatre)

0900-0905	Greeting & Introduction	Masatomo, Quentin
Center Activities Updates <i>Chair: Lesley Gray</i> <i>Rapporteur: Masatomo Fujiwara</i>		
0905-0925	NOAA Activities Update	Craig Long
0925-0945	MERRA-2 and beyond: An overview of recent activities at GMAO	Krzysztof Wargan
0945-1005	JRA Activities Update	Yayoi Harada
1005-1025	ECMWF Activities Update	Rossana Dragani
1025-1045	The strength of the diabatic circulation	Ed Gerber
1045-1100	Poster introductions	
1100-1140	Coffee Break, Group Photo and Poster Viewing	
Joint S-RIP/DA Presentations I: <i>Chair: Rosanna Dragani</i> <i>Rapporteur: John McCormack</i>		
1140-1220	On the search for the right coordinates: UTLS composition and dynamical variability (invited)	Peter Hoor
1220-1240	Variability and Long-Term Changes in Upper Tropospheric Jets from Reanalyses	Michaela Hegglin
1240-1300	The direct inversion of the continuity equation: Recent developments	T. von Clarmann
1300-1400	Lunch at ECMWF Restaurant	
1400-1430	Poster Viewing	
Joint S-RIP/DA Presentations II: <i>Chair: B. Monge-Sanz</i> <i>Rapporteur: Masatomo Fujiwara</i>		
1430-1510	ERA5 (Invited)	Adrian Simmons
1510-1530	Solar cycle signatures in atmospheric and oceanic reanalyses	Stegios Misios
1530-1550	Comparison of Diurnal Tide, 2-day, and 5-day Waves in MERRA2, JRA55, and ERA-Interim	John McCormack
1550-1620	Coffee Break and Poster Viewing	
1620-1640	Future of SPARC (Invited)	Judith Perlwitz (remote)
1640-1700	General Discussion	
1700	Adjourn	

Wednesday evening: SRIP-DA Workshop Dinner at Cote Brasserie, RG1 2AG, Reading

Thursday October 26 SPARC DA Day 1 (Council Room)

0900-0915	Greeting & Introduction	Quentin/John
SPARC DA presentations I <i>Chair: K. Wargan</i> <i>Rapporteur: J. McCormack</i>		
0915-1000	New DA techniques and applications for stratospheric data sets (invited)	Patrick Laloyaux
1000-1030	Assimilation of stratospheric radiosonde data	Bruce Ingleby
1030-1100	BRAM: Reanalysis of stratospheric chemical composition based on Aura MLS	Quentin Errera
1100-1115	Coffee Break	
1115-1200	Using Reanalysis-Constrained Model Simulations to Evaluate and Investigate Stratosphere-Troposphere Exchange of Mass and Ozone (invited)	Mark Olsen
1200-1245	Prospects for future spaceborne measurements of interest to the SPARC DA Community and how to improve those prospects. (invited)	Nathaniel Livesey
1245-1300	Discussion	
1300-1400	Lunch at ECMWF Restaurant	
1345-1415	Supercomputer Tour (optional, see sign-up sheet at registration desk)	
1400 -1430	Poster Viewing	
SPARC Activity Updates <i>Chair: J. McCormack</i> <i>Rapporteur: TBD</i>		
1430-1445	Overview of the ACAM SPARC-IGAC initiative: Objectives and current activities.	Federico Fierli (remote)
1445-1500	Stratospheric Network for the Assessment of Predictability: Update	Andrew Charlton-Perez
1500-1515	Recent Developments in the SPARC-QBOi Activity	Scott Osprey
1515-1530	SPARC gravity wave group activity report	Fuqing Zhang (remote)
1530-1545	LOTUS : Current ozone profile data sets, regression analyses and trend results	Petropavlovskikh (remote)
1545-1600	Coffee Break	
1600-1615	The DynVarMIP and Future Plans for the Activity	Edwin Gerber (remote)
1615-1630	The IGAC/SPARC Chemistry-Climate Model Initiative	Michaela Hegglin
1630-1645	The SPARC Atmospheric Temperature Changes and their Drivers Activity	Amanda Maycock (remote)
1645-1700	SOLARIS-HEPPA: Ongoing activities and synergies with SPARC-DA	Bernd Funke (remote)
1700-1715	Wrap-up Discussion	Quentin/John
1715	Adjourn	

Friday October 27 SPARC DA Day 2 (Council Room)

0900-0915	Introduction	
SPARC DA Presentations II <i>Chair: Quentin Errera</i> <i>Rapporteur: TBD</i>		
0915-0945	Observation Sensitivity Experiments with a High Altitude Meteorological Analysis System	John McCormack
0945-1015	Extending the GEOS ozone observing system with the OMPS Limb Profiler data	Krzysztof Wargan
1015-1030	Coffee Break	
1030-1100	Analysis and forecast experiments of the chemical and dynamical variability during the 2009 sudden stratosphere warming	Nicholas Pedatella
1100-1130	Variability of Tidal Dynamics in the Whole Atmosphere Models	Valery Yudin
1130-1200	Wrap-up & discussion of future plans	Quentin & John
1200	Adjourn	

Poster Presentations (Monday – Friday)

Posters can be presented starting Monday morning in the Concourse located outside the meeting rooms. Presenters may give a brief introduction to their posters during the sessions on Monday from 1250-1300 and on Wednesday from 1045-1100. Poster viewing is planned during breaks as noted in the agenda. Poster format is A0 (portrait).

- Yayoi Harada: “Time evolution of wave amplification events of the upper-tropospheric zonal wavenumber two and its influence on the stratospheric circulation during the boreal winter”
- Chiaki Kobayashi, “Interannual variation of zonal mean state and mean meridional circulation”
- Jingwei Liu, “Evaluation and comparison of the recent Chinese reanalysis products with several other reanalysis datasets”
- Tianbao Zhao, “Surface Relative Humidity Changes in Reanalysis and Observations”
- Hella Garny, “Variability and Trends in the shallow branch of the Brewer-Dobson circulation and its connection to the subtropical jet”
- Sean Davis and Amy Butler (presented by Craig Long), “CFSR Model Layer Data Set”
- Craig Long, “How Well do the Renalyses Capture the TLS Hiatus?”
- Jonas Deboscher, “Model ozone deficit in BASCOE”