

## Agenda SOLARIS-HEPPA working group meeting, LASP, Boulder, 4-6 November 2015

**Wednesday, Nov 4th 2015**

### Solar Signals in CCM1 and related MIPs

08:30 - 09:00	Hauke	Schmidt	Solar signals in a large ensemble of historical simulations
09:00 - 09:30	Daniel	Marsh	Improving the representation of the response to solar and geomagnetic forcing in CESM-WACCM
09:30 - 10:00	Miriam	Sinnhuber	Geomagnetic forcing in three global models in 2002-2012: quantification and model-observation intercomparison
10:00 - 10:30	<b>Coffee break</b>		
10:30 - 11:00	Craig	Rodger	Validating modified POES/MEPED electron precipitation fluxes through ground based AARDDVARK observations
11:00 - 11:30	Cora	Randall	NH 2004 and 2009 winters in WACCM
11:30 - 12:00	Stergios	Misios	Solar signals in CMIP-5 simulations: What have we learned?
12:00 - 13:30	<b>Lunch break</b>		
13:30 - 14:30	All		DISCUSSION: coordinated CCM1 analysis

### Solar forcing definitions for CMIP6 and beyond

14:30 -15:00	Jerry	Meehl	What can SOLARIS-HEPPA contribute to the upcoming IPCC?
15:00 - 15:30	Mark	Clilverd	Modelling the characteristics of energetic electron precipitation fluxes into the atmosphere
15:30 - 16:00	<b>Coffee break</b>		
16:00 - 16:30	Pekka	Verronen	58-year ionization dataset for 30-1000 keV radiation belt electron precipitation
16:30 - 17:00	Klairie	Tourpali	Signatures of different SSI datasets on the stratosphere: line by-line model calculations
17:00 - 17:30	Tim	Kruschke	The Impact of Different Solar Forcing Datasets on the Solar Climate Signal in CESM1(WACCM)
17:30 - 18:00	Markus	Kunze	Effects of different spectral solar irradiance datasets on the atmospheric solar signal in EMAC

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Thursday, Nov 5th 2015

### Solar forcing definitions for CMIP6 and beyond

08:30 - 09:00	Miriam	Sinnhuber	Preliminary tests of a parameterization for geomagnetic forcing in the CCM EMAC
09:00 - 09:30	Erik	Richard	Solar spectral irradiance observations: updates and outlook
09:30 - 10:00	William	Ball	Investigating the validity of SORCE like UV variations using ozone observations
10:00 - 10:30	<b>Coffee break</b>		
10:30 - 11:00	Kok Leng	Yeo	Discrepancy between the various UV SSI records and models, and the underlying causes
11:00 - 11:30	Odele	Coddington	NRLSSI2 update
11:30 - 12:00	William	Ball	UV variability above 250 nm in SATIRE-S and NRLSSI
12:00 - 13:30	<b>Lunch break</b>		
13:30 - 14:00	Katja/	Bernd	CMIP6 solar forcing
14:00 -15:00	All		DISCUSSION: CMIP6 solar forcing and plans for CMIP6 analysis
19:00 - ?	<b>Group dinner</b>		

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**Friday, Nov 6th 2015**

### Solar ozone signals: towards a consistent representation in climate models

08:30 - 09:00	Ales	Kuchar	Attribution of the 11-year solar cycle in lower-stratospheric temperature and ozone
09:00 - 09:30	Alessandro	Damiani	Evidences of EPP-induced modulation of Antarctic ozone in 2005-2014
09:30 - 10:00	Amanda	Maycock	Defining a solar-ozone signal for CMIP6

10:00 - 10:30 **Coffee break**

10:30 - 11:00 All DISCUSSION: O3 solar signals

### Open session on solar impacts on the atmosphere and climate

11:00 -11:30	Alexa	Halford	BARREL Balloon mission: recent results
11:30 - 12:00	Pavle	Arsenovic	The Influence of Middle Energy Electrons on Climate

12:00 - 13:30 **Lunch break**

13:30 - 14:00	Lon	Hood	Top-down solar forcing of surface climate: Observations and CMIP-5 simulations
14:00 - 14:30	Yuhji	Kuroda	Solar cycle modulation of Southern Annular Mode Energy Momentum Analysis
14:30 - 15:00	Lesley	Gray	The 11-year solar influence on the North Atlantic Oscillation and Atlantic / European Blocking

15:00 - 15:30 **Coffee break**

15:30 - 16:00	Kunihiko	Kodera	Consideration of the role of ocean in solar influence in the troposphere
16:00 - 16:30	Remi	Thieblemont	Solar cycle influence on the North Atlantic climate
16:30 - 17:00	All		Final Discussion