ISSI Team 373 Towards a unified solar forcing input to climate studies

MEETING 1, 20-23 FEBRUARY 2017

Monday, 20 February

Session 1: Get started

10.00 - 10.20	Maurizia Ealanga Walcome and introduction to ISSI (cancelled)
10.00 10.20	- Madillo Falanga Welcome and Incroduction to 1551 (currented)

- 10:20 10:40 Natasha Krivova Introduction: Team, Goals, Topics, Schedule
- 10:40 11:00 All Questions, Suggestions + break

Session 2a: Contrasts of magnetic features

11:00 - 11:25	Romaric Gravet	Observed UV contrast of magnetic features and implications on solar
		irradiance models

- 11:30 11:55Alice CristaldiAtmosphere models of solar quiet and magnetic regions derived from
high resolution spectro-polarimetric observations
- 12:00 12:25 Yvonne Unruh Facular contrasts from 3D MHD models

12:30 – 14:00 Lunch & Chat

Session 3: Climate model needs

14:00 - 14:30 -	Katja Matthes	-CMIP-6 experience: requirements to the solar input time series, concerns -about existing records, policy-makers-(Skype, cancelled)
14:00 - 14:30	Will Ball	Solar forcing in climate models
14:30 - 15:00	Eugene Rozano	v Sensitivity of ozone and temperature to the applied SSI data set
15:00 - 15:30	All	Discussion + break
Session 2b: Co	ontrasts and pro	xies of magnetic features
Session 2b: Co 15:30 – 16:00	o ntrasts and pro Sami Solanki	xies of magnetic features Contrasts of magnetic features observed by SUNRISE

17:00 – 17:30 Welcome drink

Tuesday, 21 February

Session 3: Irradiance observations

09:00 - 09:45	Greg Kopp	Long-term solar variability based on the TSI-measurement record;		
		New TSI composite and its uncertainties		
09:45 - 10:15	All	Discussion on TSI		
10:15 - 10:45	All	Chat and Refresh		
10:45 - 11:45	Marty Snow	SORCE/SSI		
11:45 - 12:15	All	Discussion on SSI		
12:15 - 14:00	Lunch & Chat			
14:00 - 14:30	Matt DeLand	OMI SSI, update of the SSI composite (Skype)		
Session 4a: Irradiance models: Empirical models (overview and parameters)				
14:30 - 15:10	Odele Coddingto	on NRLSSI-2/NRLTSI-2		
15:10 - 15:30	All	Discussion		
15:30 - 15:50	All	Chat and Refresh		
15:50 - 16:30	Kok Leng Yeo	EMPIRE		
16:30 - 16:50	All	Discussion		
17:00 -	All	Discussion, Summary of the day		

Wednesday, 22 February

Session 4b: Irradiance models: Other models (overview and parameters)

09:00 - 09:40	Kok Leng Yeo	SATIRE
09:40 - 10:00	All	Discussion
10:00 - 10:40	Sami Solanki	SATIRE-3D
09:40 - 10:00	All	Discussion
10:00 - 10:30	All	Chat and Refresh
10:30 - 11:00	Sasha Shapiro	Spectral profiles of irradiance variability on different time scales
11:00 - 11:20	All	Discussion
11:20 - 12:00	Eugene Rozano	v Millennium scale reconstruction of SSI/TSI with CHRONOS model

- 12:00 12:20 All Discussion
- 12:20 14:00 Lunch & Chat

Session 5: Comparisons

- 14:00 14:30 Odele Coddington NRL2, SATIRE and SORCE comparisons
- 14:30 14:45 All *Discussion*
- 14:45 15:15 Matthieu Kretzschmar Comparing the NRLSSI2 and SATIRE-S models: an external view
- 15:15 15:30 All *Discussion*
- 15:30 16:00 All Chat and Refresh

Session 6: CMIP-6 irradiance record. Discussion

16:00 – 17:30 Natasha Krivova, Greg Kopp, Will Ball, All

17:30 – All Discussion, Summary of the day

Thursday, 23 February

Session 7: Summary, Plans

- 09:00 09:45 Matthieu Kretzschmar SOLID SSI composite
- 10:00 10:45 Sasha Shapiro Solar variability: Stellar perspective
- 11:00 11:30 Natasha Krivova Centennial time-scales: A brief overview and update on sunspot records
- 11:30 13:00 All Discussion, Summary, Plans, Finale

PARTICIPANTS

Will Ball

Odele Coddington

Alice Cristaldi

Romaric Gravet

Matthieu Kretzschmar

Greg Kopp

Natalie Krivova

Eugene Rozanov

Alexander Shapiro

Marty Snow

Sami Solanki

Yvonne Unruh

Kok Leng Yeo

Ilaria Ermolli (skype)

Matt DeLand (skype)

Katja Matthes (skype)

Jeff Morrill –