Welcome to the workshop Inter-calibration and degradation SXR-to-UV

Brussels 14-18 October 2019

Organization

- Web-site: https://events.spacepole.be/event/65/
- 2 days of talks
- 3 days of working sessions (actually finishing on Friday noon)
- Lunch provided everyday a the site restaurant 13:15
- Sandwiches on Friday?
- Workshop dinner: Tuesday 15 October, 19h

  Pasta Commedia,

  Avenue Jean et Pierre Carsoel 3, 1180 Uccle
- Wifi: bira-visitor, pwd: WtK,YcnaWL
- Collect hotel receipts

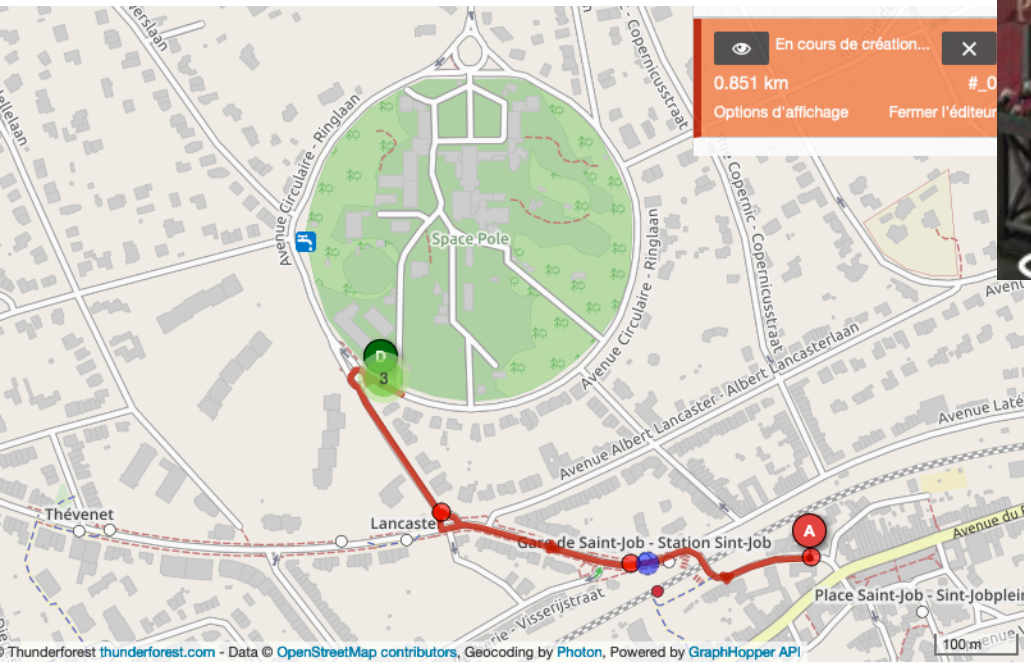
Agenda

12:00	**Arrival, welcome coffee and a few words**	*Marie Dominique*
	Nicolet@BIRA-IASB, STCE	12:00 - 13:00
13:00	**Lunch**	
	Nicolet@BIRA-IASB, STCE	13:00 - 14:00
14:00	**GOES-R XRS Electron Contamination Correction**	*Janet Machol*
	Nicolet@BIRA-IASB, STCE	14:00 - 14:30
	PROBA2/LYRA soft x-ray response after ten years in space	*Ingolf Dammasch*
	Nicolet@BIRA-IASB, STCE	14:30 - 15:00
15:00	**Analysis of the spectral degradation of the PROBA2/LYRA instrument**	*Marie Dominique*
	Nicolet@BIRA-IASB, STCE	15:00 - 15:30
	Coffee break	
	Nicolet@BIRA-IASB, STCE	15:30 - 16:00
16:00	**Evidence for oxidation as the dominant mechanism for satellite filter degradation**	*Charles Tarrio*
	Nicolet@BIRA-IASB, STCE	16:00 - 16:30
	Hinode EIS radiometric calibration	*Dr Giulio Giulio Del Zanna*
	Nicolet@BIRA-IASB, STCE	16:30 - 17:00
17:00	**Comparison of rocket spectra with other measurements and models**	*Frank Eparvier*
	Nicolet@BIRA-IASB, STCE	17:00 - 17:15

Agenda

	Exploration of Spacecraft Environments with Mass Spectrometers	*Peter Boschler*
	Nicolet@BIRA-IASB, STCE	09:30 - 10:00
10:00	**Hinode XRT cross-calibration**	*Giulio Del Zanna*
	Nicolet@BIRA-IASB, STCE	10:00 - 10:30
	GOES-16 and 17 SUVI performance analysis and comparison with other instruments	*Courtney Peck*
	Nicolet@BIRA-IASB, STCE	10:30 - 11:00
11:00	**coffee break**	
	Nicolet@BIRA-IASB, STCE	11:00 - 11:30
	Expected degradation of the Extreme Ultraviolet Imager onboard Solar Orbiter	*Samuel Gissot*
	Nicolet@BIRA-IASB, STCE	11:30 - 12:00
12:00	**EUI instrument cleanliness and calibration concept**	*Udo Schuehle*
	Nicolet@BIRA-IASB, STCE	12:00 - 12:30
	Calibration accuracy of Proba-3/ASPIICS white-light coronagraph	*Dr Shestov Sergei*
	Nicolet@BIRA-IASB, STCE	12:30 - 13:00
13:00	**Lunch**	
	Nicolet@BIRA-IASB, STCE	13:00 - 14:00
14:00	**Traceable Radiometric Calibration in the EUV/VUV Spectral Range using Synchrotron Radiation**	*Dr Alexander Gottwald*
	Nicolet@BIRA-IASB, STCE	14:00 - 14:30
	IRIS slit/slit-jaw comparison	*Giulio Del Zanna*
	Nicolet@BIRA-IASB, STCE	14:30 - 15:00
15:00	**Using a Reference Spectrum Model to Account for Bandpass Differences During Cross-Calibration**	*Dr Edward Thiemann*
	Nicolet@BIRA-IASB, STCE	15:00 - 15:30
	Coffee break	
	Nicolet@BIRA-IASB, STCE	15:30 - 16:00
16:00	**Calibration of Instruments**	*Andrew Jones*
	Nicolet@BIRA-IASB, STCE	16:00 - 16:30
	Wrap-up - Introduction of the working groups	*Marie Dominique*
	Nicolet@BIRA-IASB, STCE	16:30 - 17:00
17:00		

Workshop dinner



Working sessions

- Calibration
  - Reference spectrum to calibrate broad-band EUV? Measured or modeled? Capturing time variability vs involving the fewer external sources? All
  - Thermal response for AIA. Paul, Giulio
  - Degradation of 304 band. Janet, Giulio, Paul
- Cross-calibration: Paul, Frank, Giulio, Andrew, Samuel, Courtney
  - Comparison between Hinode/EIS and AIA or EVE:
  - Support to future instrument calibration (EUI)
  - Suggestions to improve the calibration of SUVI and AIA ?
  - Detectors
  - analysis of EIS vs XRT or AIA 94 data: Giulio, Paul, Andr

Working sessions

- Contamination: All
  - Analysis of the possibility for carbonisation/oxydation to explain the difference between the short and long wavelength channels in EIS
  - List of strategies used in recent mission / crazy ideas to limit contamination and for test to identify contamination mechanisms (e.g. cubesats)
  - Work on the LYRA contamination model : Marie, Charles, Andrew
    - Introduction of oxidation
    - Does the carbon layer looks realistic
    - Comparison of contamination model with occultation curve
- Discussion about GOES LYRA comparison: Ingolf, Janet, Marie
- How to proceed next with the continuation of those workshops.