STCE_degradation_workshop 2012

Solar-Terrestrial Centre of Excellence (STCE) Degradation Workshop and PROBA-2 Science Workshop

The following paper was a summitry of all the experience gathered at the workshop:

Ali BenMoussa et al., "On-Orbit Degradation of Solar Instruments", *Solar Physics*, **228**, 389-434 (2013)

May 3 2012, Royal Observatory of Belgium, Brussels

9:15			**Welcome / Introduction**
9:30	U. Schuehle	MPS	Space degradation and cleanliness of VUV/EUV solar spectrographs
9:55	F. Auchere	IAS	Degradation of EIT on SOHO
10:20	G. Del Zanna	DAMPT	In-flight degradation of the SOHO CDS NIS instrument and cross- calibration via EUV spectral irradiance measurements
10:55	C. Eyles	RAL	Long-Term Stability of the Photometric Calibration of the STEREO HI-1 Heliospheric Imagers
11:20			*Coffee Break*
11:35	D. Walton	MSSl	Degradation of the Hinode EIS detectors after 5 years in Orbit
12:00	A. Jones	LASP	Measured degradation in the Solar EUV Spectrometers SOHO-CELIAS-SEM and SDO-EVE
12:25	S. Mekaoui	EC-JRC	Ageing corrections of DIARAD/VIRGO on SOHO
12:50	G. Thuillier	BISA	The long term mission of SOLAR SOLSPEC on board ISS - Internal capabilities for the detection and the correction of trends for the absolute responses and wavelength scales
13:15			*Lunch*
14:15	D. Seaton	ROB	Degradation of SWAP, if any
14:40	I. Dammasch	ROB	Degradation of LYRA onboard PROBA2 after 2 years in orbit
15:05	G. Cessateur	PMOD	Degradation of PREMOS onboard PICARD
15:30	M. Meftah	LATMOS	Ageing of the PICARD payload thermal control
15:55			Session:Future space instruments
16:10	J-P Halain	CSL	Introduction to the Extreme Ultraviolet Imager (EUI) telescopes onboard Solar Orbiter
16:25	T. Thilbert	CSL	Introduction to ESIO
16:40	V. Pierrard	BISA	Introduction to the space radiation environment and to the Energetic Particle Telescope (EPT)
			Coffee Break
17:10 - 19:00			Round Table Discussions

Degradation Workshop Presentations

PROBA-2 Science Workshop

May 4 2012, Royal Observatory of Belgium, Brussels

9:00			*Coffee*
9:30	David Berghmans	ROB	**Welcome**

	Marie Dominique	ROB	**Session: Particles in LEO**
9:40	Piotr Pdgorski	SRC/PAS	Energetic particle environment as seen by SphinX
10:00	Szymon Gburek	SRC/PAS	Energetic particle environment as seen by RESIK
10:20	Andrew Jones	LASP	Impact of particles on SEM and EVE data
10:40	Dan Seaton	ROB	Impact of particles on SWAP
10:55	Marie Dominique	ROB	Impact of particles on LYRA
11:10			Discussion
11:30			*Coffee break*
	David Berghmans	ROB	**Session: Irradiance Studies**
11:45	Matthieu Kretzschmar	ROB + LPC2E	EUV irradiance
12:15			*Lunch*
	Dan Seaton	ROB	**Session: Coronal Dynamics**
13:30	Laurent Dolla	ROB	Quasi-periodic pulsations observed during flares
13:50	David Long	Trinity College, Dublin	EUV waves in SWAP and AIA
14:10	Tom Van Doorsselaere	Catholic University of Leuven, Belgium	Using PROBA2 for coronal seismology
14:30	Anatoliy Vuets	LPC2E	Connectivity in the solar EUV irradiance
14:50	Dipankar Banerjee	Indian Institute of Astrophysics, Bangalore	Bright point study with SWAP
15:10			Discussion
			Coffee Break
	Dan Seaton	ROB	**Session:Odds & Ends, Future Campaigns, and Ongoing Projects**
16:00			Discussion: Venus Transit 2012, Comet Lovejoy, eHeroes, etc.

Science Workshop Presentations