

CLUSTER / STAFF Action items

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LPP: Laboratoire de Physique des plasmas.

1. Status of data production: STAFF-SC & STAFF-SA.
2. Status of open action items.
3. Data delivery plan for measurements from years 2006-2010.
4. Documents.

1. Status of data production:

1. STAFF-SC: mode NBR and HBR

Product	Content	Level	Num. of files	Produced to CAA	Delivered to CAA
Science data					
C? _CP_STA_DWF_NBR	Decommutated Waveform	1	1 file/ 1 sat./ 24h	<u>Version 03</u> 01 Jan. 2001 to 31 Sep. 2007	<u>Version 02</u> 01 Jan. 2001 to 31 Dec. 2006
C? _CP_STA_DWF_HBR					
C? _CP_STA_CWF_NBR	Calibrated Waveform	2	1 file/ 1 sat./24h	None	None
C? _CP_STA_CWF_HBR					

■ Difference between version 3 and 2:

New dataset headers (ceh format) have been created to include caveat files. The laboratory name and emails have been updated.

■ Jan. 2007 DWF (v. 03) has been already uploaded:

Once the integration in the CAA DB checked, the full year will follow.

■ The production of year 2008 DWF:

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It will start soon, as

1. Status of data production:

1. STAFF-SC: mode NBR and HBR

Product	Content	Level	Num. of files	Produced to CAA <u>Version 02</u>	Delivered to CAA <u>Version 02</u>
C?_CP_STA_CS_NBR	Calibrated Spectra	2	1 file/ 1 sat./ 24h	01 Jan. 2001	01 Jan. 2001
C?_CP_STA_CS_HBR				to 31 Dec. 2005 <u>Version 02</u>	to 31 Dec. 2005 <u>Version 02</u>
CL_CG_STA_SC_SPECTRO_NBR	Spectrograms plots	3	1 file/ 4 sat./ 3h	01 Jan. 2001	01 Jan. 2001
CL_CG_STA_SC_SPECTRO_HBR				to 31 Jul. 2009	to 31 Jul. 2009

■ A Calibrated Spectra new version (3) :

New dataset headers (ceh format) have been created to include caveat files, name lab, emails have been updated. The SI_CONVERSION metadata has been corrected and this changes is mentioned in the dataset caveat metadata.

→ **The CS production in this new version will re-start: Year 2006/2007/2008.**

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1. Status of data production:

a. STAFF-SC

- **Spectrogram plots:** produced with a version 01 software.
- **New dataset is coming:**
 - Calibrated WaveForms (CWF).
 - We hope to start the production by the end of the year. Still a lot of validation work to do...
 - See P. Robert previous presentation.

1. Status of data production:

b. STAFF-SA: All mode

Product	Content	Level	Num. of files	Produced To CAA	Delivered to CAA
Science data					
C?	Automatic Gain	2	1 file / 1 sat. / 24h	<u>Version 4</u>	<u>Version 3</u>
CP_STA_AGC	control			01 Jan. 2001	01 Jan. 2001
CP_STA_PSD	Power Spectral Density			to	to
CP_STA_SM	Spectral Matrix			31 Jun. 2009	31 Aug. 2008

■ Difference between version 3 and 4:

- New dataset headers (ceh format) have been created to include caveat files, name lab, emails have been updated.
- PSD negative values have been removed as requested by CAA.

■ Auxilliary data: CAVEATS : new cef files!

- SM: PSD negative values and period with no tsrp recorded.
- PSD: period with no tsrp

1. Status of data production:

b. STAFF-SA: L3 products

Polarisation and Propagation Parameter (PPP)

- PPP: cef format has been defined.
- Some tests have already started to do the production.
- FGM spin resolution have been locally downloaded from CAA.
- Ondrej Santolik will deliver us a module to integrate FGM spin resolution data from CAA in PRASSADCO code to produce PPP by the end of november.

2. Status of open action items:

Cross- Calibration 8th Action Items

- **AI-45: OPEN**, new date due: 10th Cross-Calibration workshop. Cross calibration study between STAFF-SA and WBD. STAFF team had to find the best solution.
→ **Ondrej Santolik has been contacted and will work on it. He will give us something by the end of November.**
- **AI-1-2: OPEN**, new date due: 30 Sept. 2009.
- **PSD negative values:** negative values have been replaced by a fillvalue. New products have been produced and will be redelivered soon.
- **SM/PSD caveat files, concerning no TSRP (Sun Reference Pulse):**
It is under process.
- **SM caveat files**, concerning PSD negative values that could be used to calculate the diagonal terms of the spectral matrix.
- In progress, see previous slide.

2. Status of open action items:

CAA Operational Review OR4

R2a. STAFF – The board requests that the production of search coil CWF and SA polarization and propagation data sets is undertaken as rapidly as possible to ensure delivery of all data by May 2010:

All efforts are done for this:

- Calibrated Wave form data will be produced and delivered to CAA. The continuous calibration is under study (see P. Robert presentation).
- STAFF SA polarisation and propagation parameters : see previous slide.

3. Data delivery plan for measurements from years 2006-2010.

Product	Year	Done	Plans : 2009	Plans : 2010
SC DWF		2006	2007-2008	2009
SC Complex spectra		2005	2006 to 2008	
SC Images		31 Jul. 2009	2008	2009
SC CWF New			Jan. 2001? *	2002 - 2009
SA AGC/ PSD / SM		01/2001 - 08/2008	End of 2008	2009
SA Polarisation/ Propagation New			2001? *	2002-2009

*** LPP is going to move from Velizy to Palaiseau by the end of the year.**

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4. Documents

- **ICD:** It has been updated but we are waiting for new updates.
 - New datasets headers have been produced and delivered to include easily caveats in the future. They are described in the ICD.
 - New caveats files (cef format) for SM and PSD dataset (STAFF-SA).
 - 2 new datasets will be described:
 - STAFF-SC: Calibrated WaveForm (CWF).
 - STAFF-SA: Polarization and Parameterization Parameter (PPP).
- **User guide:** has to be updated following the recommendations of CAA (new CAA website interface, new datasets, new caveats).
- **Calibration Report:** Once tests on the new calibration method are completed, the CR will