

17th CAA CrossCal Meeting
25 March 2013
ESOC

**Status of data production
and delivery**

Plan

1. Status of dataset delivery
2. Status of data production pipeline
3. Open Issues

1. Status of data delivery:

a. STAFF-SA

Product	Content	Level	Num. of files	Produced	Delivered to CAA
C?_CP_STA_AGC	Automatic Gain Control	1	1 file/ 1 sat./24h	<u>V04:</u> 01/01/2001 to 31/12/2010 <u>V05:</u> 01/01/2011 to 31/12/2012	<u>V04:</u> 01/01/2001 to 31/12/2010 <u>V05:</u> 01/01/2011 to 31/12/2012
C?_CP_STA_PSD	Power Spectral Density	2	1 file/ 1 sat./24h	<u>V04:</u> 01/01/2001 to 31/12/2010 <u>V05:</u> 01/01/2011 31/12/2012	<u>V04:</u> 01/01/2001 to 31/12/2010 <u>V05:</u> 01/01/2011 31/12/2012
C?_CP_STA_SM	Spectral Matrix	2	1 file/ 1 sat./24h	<u>V04:</u> 01/01/2001 to 31/12/2010 <u>V05:</u> 01/01/2011 to 31/12/2012	<u>V04:</u> 01/01/2001 to 31/12/2010 <u>V05:</u> 01/01/2011 to 31/12/2012

1. Status of data delivery:

a. STAFF-SA

Product	Content	Level	Num. of files	Produced	Delivered to CAA
C?_CQ_STA_SA_ NOT SRP_CAVEATS	PSD/SM Caveat	2	1 file/ 1 sat./24h	<u>V01:</u> 01/01/2001 to 31/12/2012	<u>V01:</u> 01/01/2001 to 31/12/2012
C?_CQ_STA_SA_ PSD NEG_CAVEATS	SM Caveat	2	1 file/ 1 sat./24h	<u>V01:</u> 01/01/2001 to 31/12/2012	<u>V01:</u> 01/01/2001 to 31/12/2012
C?_CP_STA_PPP	Polarisation and Propagation Parameters	3	1 file/ 1 sat./24h	<u>V04:</u> 01/01/2001 to 30/04/2012	<u>V04:</u> 01/01/2001 to 30/04/2012
C?_CQ_STA_SA_ UNDEFINED_MFA_ CAVEATS	PPP Caveat	3	1 file/ 1 sat./24h	<u>V01:</u> 01/01/2001 to 30/04/2012	<u>V01:</u> 01/01/2001 to 30/04/2012

1. Status of data delivery:

b. STAFF-SC, NBR and HBR mode

Product	Content	Level	Num. of files	Produced	Delivered to CAA
C?_CP_STA_DWF	Decommuted Waveform	1	1 file/mode/ 1 sat./24h	<u>V04:</u> 01/01/2001 To 31/12/2011	<u>V04:</u> 01/01/2001 To 31/12/2011
C?_CP_STA_CWF_GSE	Calibrated waveform	2	1 file/ 1 sat./24h	<u>V01:</u> 01/01/2001 To 31/12/2004	-
C?_CP_STA_CS	Calibrated Spectra	2	1 file/mode/ 1 sat./24h	<u>V02:</u> 01/01/2001 to 31/12/2005 <u>V03:</u> 01/01/2006 to 31/12/2009 <u>V04:</u> 01/01/2010 To 31/12/2012	<u>V02:</u> 01/01/2001 to 31/12/2005 <u>V03:</u> 01/01/2006 to 31/12/2009 <u>V04:</u> 01/01/2010 To 31/12/2012
CL_CG_STA_SC_ SPECTRO	Spectrograms Plots	3	1 file/ 4 sat./3h	<u>V01:</u> 01/01/2001 to 31/12/2012	<u>V01:</u> 01/01/2001 to 31/12/2012

1. Status of data delivery:

c. STAFF

Product	Content	Level	Num. of files	Produced	Delivered to CAA
C?_CG_STA_HK	STAFF House Keeping plots	-	1 file/ 1 sat./24h	<u>V01:</u> 01/01/2001 To 31/12/2012	<u>V01:</u> 01/01/2001 To 31/12/2012
C?_CQ_STA_ CALIBRATION_ CAVEAT	STAFF Caveat	3	1 file/ 1 sat./24h	<u>V01:</u> 01/01/2010 To 30/06/2012	<u>V01:</u> 01/01/2010 To 30/06/2012

1. Status of data delivery:

d. Delivery plan

Product \ Year of delivery	2013	2014
SC DWF Version 4	2012	2013
SC Complex spectra V 4	2013 2001-2009	2014
SC Images	2013	2014
SC CWF GSE	2001-2012	2013
SA AGC/ PSD / SM/ Version 6	2013	2014
SA AGC/ PSD / SM/ BE products = New version	2001-2013	2014
SA Polarisation/Propagation	2012	2013
House Keeping plots	2013	2014

2. Status of data production pipeline:

a. SA

- All the data production pipeline are operational.
- However, an upgrade of the L2 pipeline will be done to add status, half time interval and to introduce new smoothed transfer functions.

b. SC

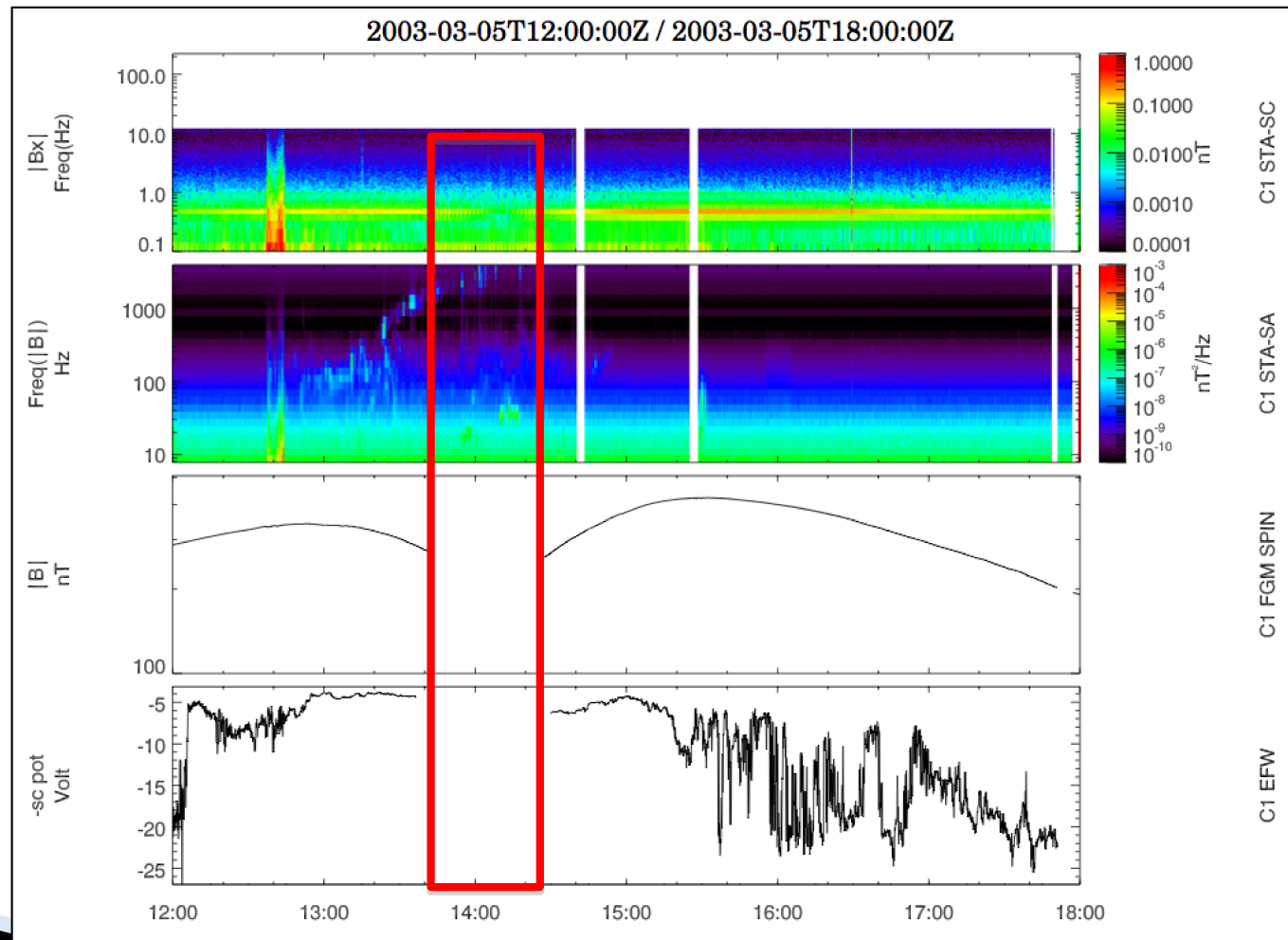
b.1) All the data production pipeline are also operational. Concerning CWF data, four years are produced and wait to be delivered.

b.2) Some improvements were performed on the former pipelines.

2. Status of data production pipeline:

b.2) SC - Improvements

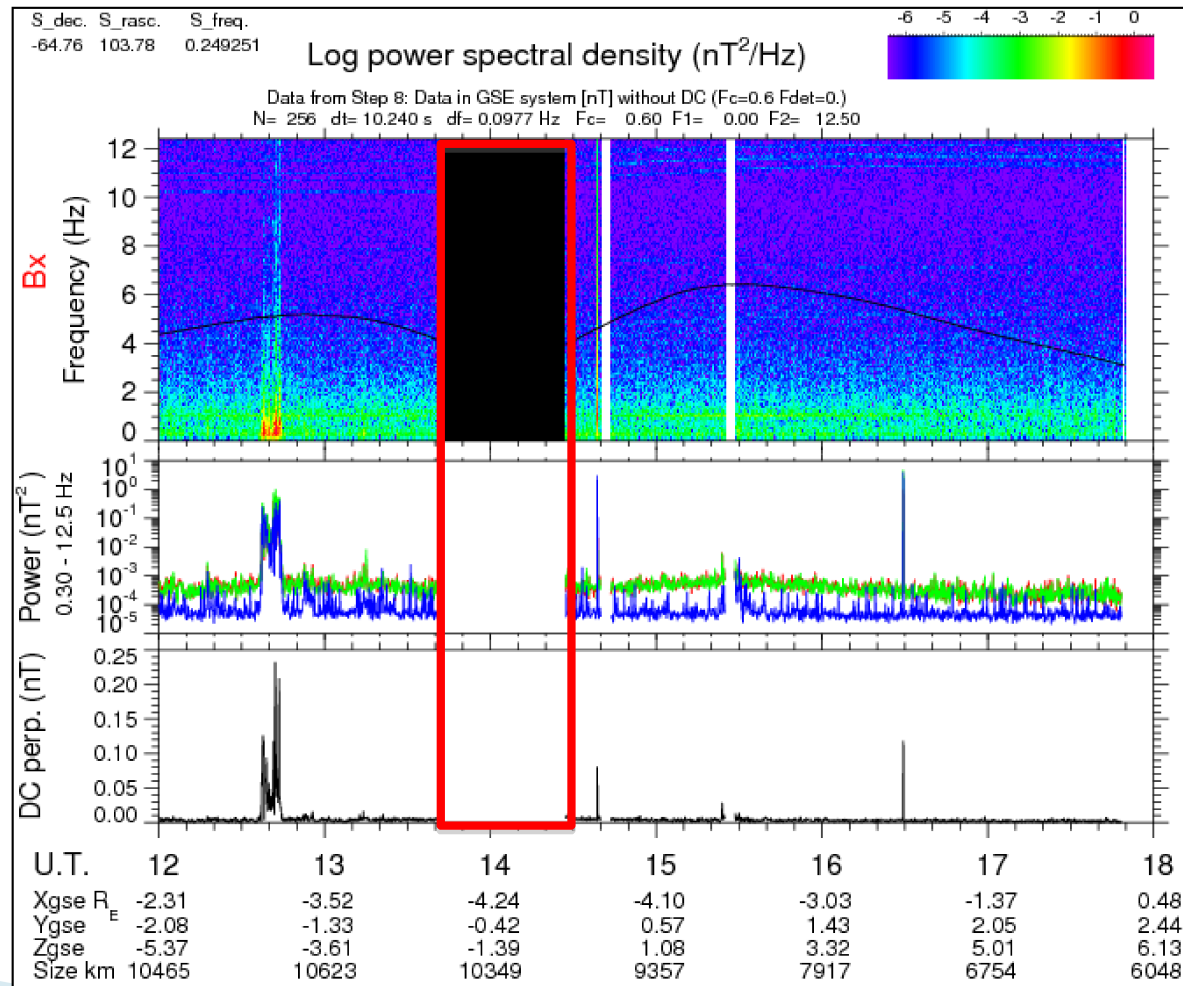
Eclipse - > Last progress meeting



2. Status of data production pipeline:

b.2) SC - Improvements

Eclipse - > Now



2. Status of data production pipeline:

b.2) SC - Improvements

- Onboard calibration data are now removed from CWF and CS. A caveat is created for this time period.
- Transfer functions were refined.
- Production time for CWF is now reasonable, ie 10 days for 2 years of data -> ~2 months to reproduce 2001-2012.

3. Open Issues

- Reproduce STAFF-SA data (add status, half time interval and use smoothed transfer function).
- STAFF EFW apparent time shift