(2020-11-05) RCS telecon #25

Goals

- ROC RCS telecon

Date

05 nov. 2020 at 2pm

Attendees

- Xavier Bonnin
- Jean-Yves Brochot
- Thomas Chust
- Erik Johansson
- Bruno Katra
- Matthieu Kretzchmar
- Rodrigue Piberne
- Quynh Nhu Nguyen
- David Pisa
- Jan Soucek
- Antonio Vecchio

Agenda

1. RPW data processing - Status overview
2. On-going & future developments
3. Documentation
4. Planning
5. Next RCS telecon
6. AOB

Discussion items

Item	Notes	Action-items
1.	- L0/L1/HK data production - Nominal in overall (triggered every day at 4am) - SBM L1 CDF production not started yet (still bug with LFR BP1/BP2 to be fixed) - Works in progress to fix minor bugs, update continuous integration (unit test coverage) and improve processing time performance (should be transparent to RCS and data users) - L2 data production - RCS_Status_20201105.pdf - About master CDF handling: - Usual way is to always inform RCS teams as soon as changes will be / have been brought to the L1 CDF skeletons. To let the teams the time to check that these changes do not impact the L1R/L2 CDF production - ROC might think about a more fluent way - Data release - Delivery of RPW L0/L1/L2 to Solar Orbiter Archive (SOAR) at ESAC is operational (triggered every day at 8pm) - RPW calibration table CDF (RCT) delivered "manually" with the DPDD (available here https://issues.cosmos.esa.int/solarorbiterwiki/display/SOSP/Archive+Support+Data) - Regular CDAG data delivery not started yet (to be planned with SOC) - Issue tracking: do not forget to use Gitlab to report any issue with RPW data processing	

2.	• CDF compliance versus SPDF-ISTP standards:
	  ○ CDF_Check_SolarOrbiter_RPW_Science.txt
	  ○ For TNR L2 CDF: CDF_check_solo_l2_rpw-tnr-surv.txt
	  ○ Check performed with SKTeditor: https://spdf.gsfc.nasa.gov/skteditor/ (installation in progress on roc2-dev server)
	  ○ ROC will fix L1 CDF skeletons to be as much as possible compliant with SPDF standards
	  ○ What about L2 (ROC with support from teams?) Done by Xavier with support of teams, except for TDS_CALBA (already started by David)
	  ○ Dedicated branch "spdf_compliance" will be used to updated skeletons
	  ○ New versions of skeletons will be released with changes
	• L3 data workflow at LESIA
	  ○ Workflow: RCS LESIA ESAC
	  ○ LESIA SFTP server shall be used (same than for summary plots, but L3 files will be dropped in l3/ folder)
	  ○ L3 delivered to SOAR with latency? (After reception at LESIA)
	  ○ ROC can support teams to check L3 CDF skeletons
	  ○ As soon as a team feels ready to generate L3 product, please contact me, to define a roadmap
	• Science quality
	  ○ QUALITY_BITMASK - implementation (still) in progress in L1
	  ○ QUALITY_FACTOR setting
	• Summary plots
	  ○ Only Bias, LFR and some TNR-HFR products available
	  ○ TNR-HFR summary plot production implemented at LESIA (LFR in progress)
	  ○ SCM has sent IDL code to plot data. Action Xavier: Sonny to check and send feedback
	• Adding HK CDF dataset for:
	  ○ LFR KCOEFF dump
	  ○ SBM1 HK
		• Xavier to modify CDF skeleton on "spdf_compliance" branch for ISTP compliance (except for TDS_CALBA)
		• David to modify TDS_CALBA CDF skeleton on "spdf_compliance" branch for ISTP compliance
		• Xavier to contact each team individually to take stock of the summary plots production at LESIA
		• Xavier to provide to LFR team piece of information about how HK CDF are generated in the ROC pipeline
		• LFR teams to provide skeletons for LFR Kcoeff dump
		• Xavier to upgrade RCS ICD with information about summary plots and L3 data workflow
		• Xavier to check with Sonny about IDL codes sent by SCM team to plot their data

3.	• DPDD ○ Delivered to ESAC (see in https://issues.cosmos.esa.int/solarorbiterwiki/display/SOSP/Archive+Support+Data) • RCS ICD 1.4 released (See in ROC Documents) • ROC Data Products (RDP) updated to 1.3 (See in ROC Documents) • RCS-related documentation included in the ROC V5.1 (RSS5.1) datapack	
4.		
5.		
6.		

Action items

Open issues

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

⚠ Jira project doesn't exist or you don't have permission to view it.

View these issues in Jira

Closed issues

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

⚠ Jira project doesn't exist or you don't have permission to view it.

View these issues in Jira

Attached items

- 200423_ROC_Telecon21_NQN.pdf