ROC-SGSE #10: Agenda

1. Latest news from ROC

2. Discussion on L1R CDF (expected content, skeleton, calibration table)

3. Discussion on L2S/L2 calibration (how sensor teams will send TF to analyser teams?)

4. RCS -related planning

5. End of design key pont (EDKP)

6. next telecon

7. AOB

Latest news (in short)

- Arrival/Departure at ROC

  - Yvonne de Conchy has been retired since Aug. 25, 2017

  - Antonio Vecchio will work 50% of his time on RPW after Nov. 2017, and until end of 2018 (TBC)

  - ROC is looking for a new engineer to work on the operations preparation

  - A software student, Grégoire Duvauchelle, has joined the ROC developer team for 6 months

Latest news (in short)

- Planning

  - Instruments auto-compatibility ground campaign planned on Feb. 2018, but might be shifted.

  - ESA has confirmed that no formal Acceptance Review (AR) is planned for instrument ground segments. But CNES wants to organize a "unofficial" AR for the ROC (probably at L-4m)

- ROC-SGSE

  - ROC-SGSE-CDF V3: bug with TT2000 in some CDF L1/HK files (only PFM DELTA-CAL data are impacted for the moment) - Investigation in progress

  - E-GSE stimuli data for DELTA-CAL are now available on the ROC Web site (https://rpw.lesia.obspm.fr/roc/data/private/cal/system/cnes-gse/PFM/DELTA-CALIBRATION/rpw-egse/)

L1R: in summary

- L1R CDF skeletons for TDS/LFR available on "DataPool" Git repo. (Teams work on "rcs" branch only.)

- ROC asks to standardize as much as possible the content between LFR and TDS L1R

- Discussion about how to link the L1R with the corresponding calibration tables —> https://jira-lesia.obspm.fr/browse/ROCDATPRO-28

RCS calibration tables

- ROC has proposed to:

  - Format of the calibration table is CDF

  - Name of the calibration table is the same name than the CDF data file, but replacing the level by "CAL" and the date of measurements by the date of creation; for instance "solo_CAL_RPW-LFR-SURV-SWF_20180304_V01.cdf"

  - Calibration tables are delivered with the S/W in specific folder (using REGU convention; Issue 2 in prep.)

L1R content

- ROC has proposed to:

  - Define two global attributes "Calibration_table" and "Calibration_version" providing the filename and version of the calibration table file for a given datatset

  - Define a "CALIBRATION_TABLE_INDEX" zVar containing the array of the calibration index to use

L1R issue

- TDS team is fine with this proposition

- LFR team has highlighted that "it is not totally applicable for LFR because our calibration tables are more related with the sampling frequency than with the type of product.[…] We should consider some adaptations to the scheme proposed at LFR level. To be discussed maybe during next telecon."

- Receiver teams need info from sensor teams in order to generate L2S/L2 for non-WF datasets (e.g., spectral)

- How do these exchanges will be done?

- Do we need to formalize this part? Does the ROC need to coordinate it?

- ROC suggests to at least centralize the exchanged data (using Git for instance)

RCS-related planning (1/3)

- The planning presented during the last consortium on June was based on outdated milestones (e.g., launch on Oct. 2018)

- The planning has been hence updated to take account of the new constraints and milestones

- New delivery schedule concerning ROC tools (including pipeline):

  - "E2E test" version —> 15/12/2017

  - "Ready-for-flight" version —> 28/09/2018 (preceded by a validation campaign at ROC and followed by the "ROC AR")

  - "Fully operational" version —> 29/06/2019 (after commissioning)

- New delivery schedule concerning RCS:

    - ROC-SGSE L1R CDF skeletons —> 30/09/17 (TBC)

    - ROC-SGSE L2S CDF skeletons —> 15/10/17 (TBC)

    - RODP L1/HK CDF skeletons —> 15/10/17 (by ROC)

    - preliminary RODP L1R/L2 CDF skeletons —> 31/10/17 (to be discussed with FIELDS/PSP on Nov. 6)

    - **RCS "ROC E2E test version" data pack** (full ROC-SGSE L1R/L2S data processing, cal. tables ; SRS first issue and SUM draft) —> **15/12/2017**

RCS-related planning (3/3)

- *(From Jan. to May 2018, ROC pipeline integration tests: interface compliance and RCS e2e tests)*

- **RCS "ready-for-flight" data pack** (full RODP L1R/L2 data processing, preliminary cal. tables ; SRS first issue and SUM first issue ; RCS ICD fully compliant) —> **30/06/2018**

- **RCS "fully operational" data pack** ("ready-for-flight" pack, but with first cal. table from real data) —> **15/06/2019**

ROC EDKP and mini-consortium

- An End of Design Key Point (EDKP) will be organized by the CNES and LESIA on **November 28, 2017**.

- This EDKP will take place at Paris (or Meudon) site

- The idea is to present the progress since the preliminary design key point on Jan. 2017, and to discuss issues.

- Agenda is TBD, but Lead-CoIs and engineers in charge of RCS are expected to be there.

- A "mini-consortium" meeting will take place in the location on **November 29, 2017**, in order to discuss on RPW data calibrations and operations

Action-items review & updates

See https://confluence-lesia.obspm.fr/display/ROC/RCS+Action-Items