

## Minutes of the ROB teleconference from 06/06/2019

Participants: Jan, Antonio, Xavier, Eric, Yuri, Matthieu, Thomas, Milan, Yann Le Huédé (CNES EMC expert), Guillaume

### 1) General SOLO status (Milan):

- SC more or less on schedule, magnetic testing starting
- Major issue discovered on EUI (cannot be turned off) will probably require instrument repair.
- Issue with the solar panel yoke.
- Qualification / acceptance review started
- CNES can raise RIDs, we can review the documents. End of review process expected in October.

2) SCM on Parker Solar Probe shows some issues (no signal on LF X axis). Possibly related to thermal stress during off-pointing. The risk needs to be investigated for RPW, which uses the same search coil.

### 3) EMC tests at IABG (Eric, Yan, all)

- Background tested on 20/5, environment quite noisy in particular at higher frequencies (and 50 Hz harmonics). EGSE emission around 125 kHz.
- Main part of tests run on 21/5 + 22/5 – platform devices and instrument switched one by one.
- Data in L1 CDF provided for 22/5 and 23/5. Data from 21/5 not yet available. Bad time tags in the initial delivery, but has been corrected.
- Test timeline sent today.
- 23/5: FFT test was run, many mode changes (**Eric will provide log and commanding**)
- Discussion of first look at the data
  - not too bad on TDS, E-field clean, Some spikes in B < 20 dB above noise.
  - some noise observed on LFR too, but not too horrible except for the 50 Hz which should not be present in space :)
  - Further analysis is needed.

### 4) SVTs and high rate configurations (Diane, presented by Xavier)

- SVT1A tests run at ESOC on PFM (May 2).
  - Deployment sequence run, LFR/DAS softwares updated.
  - Some minor issues discovered (commanding of TDS triggered snapshot dumping). Will be corrected for SVT1B.
- SVT1B to be done in August. All standard configurations and modes should be exercised (including the new high datarate modes).
- The data should be checked by lead-CoIs. Data shall be provided by ROC to ROB.
- High rate configurations for early cruise phase finalized. Everyone agrees with configurations as presented. Diane will send them to Andrew Walsh ASAP (done on June 7).
- The new configurations will be used at July SOWG to plan the cruise phase operations.

### 5) Next telecons:

- June 26 10:00: A telecon to discuss the data from May EMC tests
- Next ROB telecon planned after the summer holidays. **Jan will set up a doodle.**