



RPW Consortium & Science Meeting #1



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Zoom



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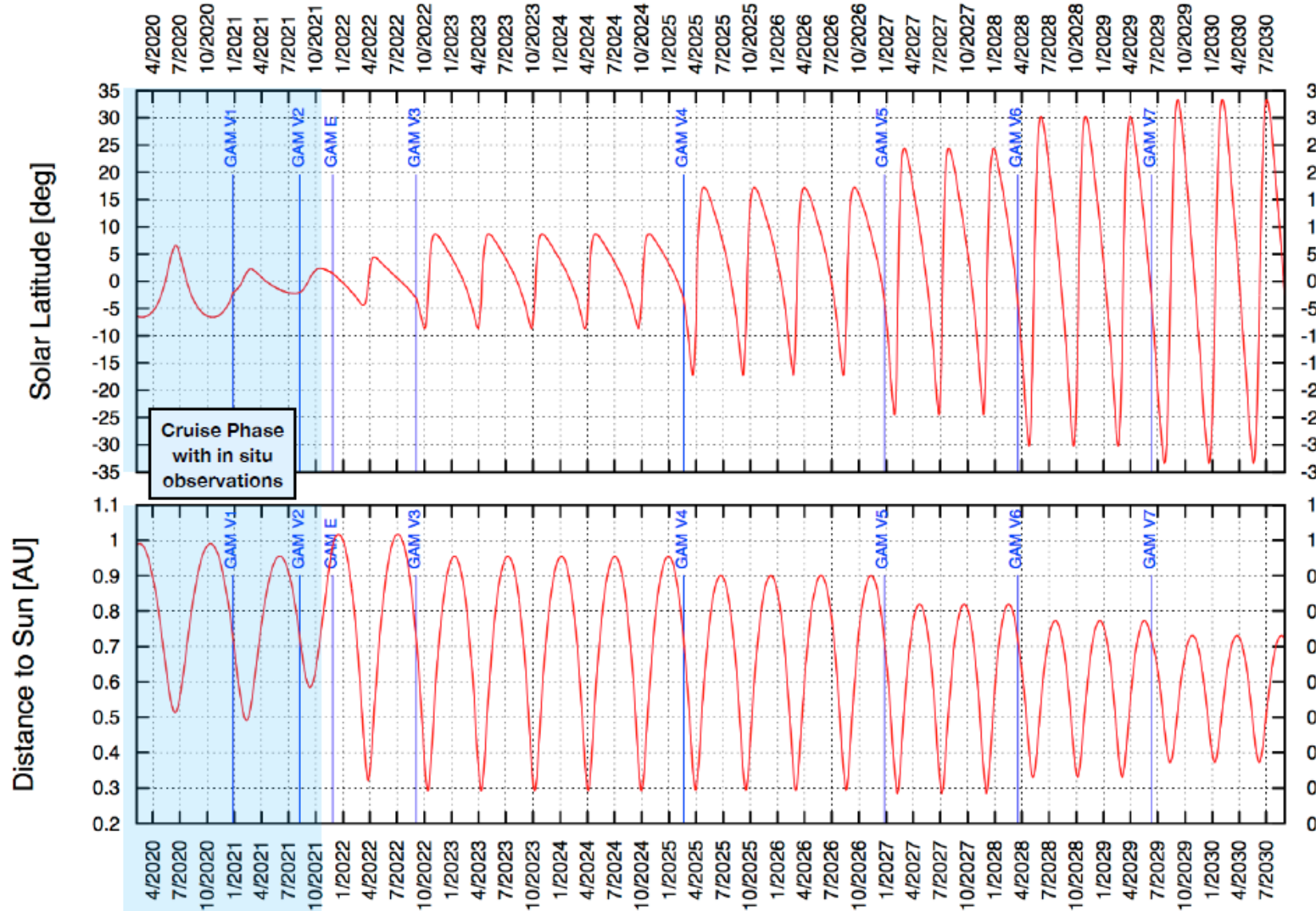




Solar Orbiter status & milestones



- Launch: 10 February 2020
- Commissioning declared successful on 25 June
- Cruise Phase started on 15 June (*in-situ instruments fully & continuously operational*)
- First perihelion at 0.51 au (15 June)
- Nominal Phase, with Remote-Sensing instruments, starts Nov 2021
- Low Latency Data are now public
- First Science Data release on 30 September



Still some (more or less serious) at S/C system level

- **S/C pointing issues**
- **S/W & spacewire issues : A problem on the SSMM caused a switch off of all the instrument on August 13. Possibly connected to an SWA command. Further investigations are ongoing.**
- **SWA-HIS still OFF (because of high voltage)**

Next SOWG : 8, 9 & 10 September during the afternoons

- **SOC is still working on the optimization of the telemetry retrieval during the ground station passes. More telemetry can be foreseen. There will be a discussion with the teams during the next SOWG**
- **The RPW team is encouraged to participate to the SOWG (see Diane's presentation)**

Data release

- **After the ESA questionnaire an agreement has been reached for a release**
- **MAG will release two months of full resolution (8/s or more in BM) data (1st june to 31st july) on sept 30.**
- **EPD will also release its L2 data**
- **Because of the very coarse coverage, the SWA data will release some data on spt. 30 and most of it will be released on 15 Nov.**

Science Working Groups started their activities !

❑ On September 15 we will deliver

- *All the Level 0 and Level 1 data for the period 15/06 to 31/07*
- *Calibration software and documentation*
- *Instrument technical user manual (RPW user manual)*
- *Instrument science user manual (RPW data products description)*
- *Some of the Summary plots (TDB)*

❑ On september 30 we will deliver

- *All the Level 2 data for the period 15/06 to 31/07 with the following caveat*
- *Quality factors will be set to 1 or 2 (both not for publication)*

❑ On November 15 we should deliver the following L3 products

- 1. The plasma peak tracking from the Thermal Noise Receiver (for all periods when this product is available)*
- 2. The S/C potential from the BIAS/LFR Units (for all periods when this product is available)*

Agenda

- **Solar Orbiter general status & data release (Milan)**
- **RPW general status & ROC status (Xavier)**
- **Operations (Diane & Jan)**
- **BIAS, LFR, TDS, SCM & TNR-HFR status (10 mins each)**
- **Science : preliminary results and observations, ongoing studies and plans for the first papers...**
 - ***Lorenzo Matteini « Solar Orbiter detection of waves and structures from comet Atlas »***
 - ***Ludwig Klein « ORFEES observations as a support for RPW »***