

MISSION STATUS : 6 December 2017

sentinel-3

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OVERALL MISSION

- The overall status of the spacecraft is nominal, with all subsystem performing nominally.
- All instruments, including OLCI, SRAL, SLSTR and MWR, are switched on and performing as expected.
- The Flight Operations Segment (FOS) for Routine Operations is operating nominally.
- The Payload Data Ground Segment (PDGS) for Land and Marine are operating as expected.
- Sentinel-3A passed its Routine Operations Readiness Review on 16 October 2017 and is now officially in routine operations, having reached full operational capacity already in July 2017.
- The orbit phasing between S3A and S3B has been confirmed to shift from 180 to 140 degree, as agreed for implementation by the EC in December 2016, implementation of this change is ongoing in the Ground Segment.
- ESA and EUMETSAT have jointly finalized the assessment and reached a technical agreement for the implementation of a Tandem phase, i.e. flying Sentinel-3B around 30 seconds apart from Sentinel-3A during the Sentinel-3B commissioning phase. The Tandem phase is planned to last 4-5 months with two drift phases of up to 6 weeks, one before and one after the Tandem period.

MISSION MANAGEMENT

- The Sentinel-3A mission has now reached the full operational capacity.
- The joint ESA-EUMETSAT mission management activities continue nominally.

DATA AVAILABILITY AND ACCESS

- All Level 1 core data products have been released.
- All Level 2 core data products have been released.
- Since June 2017 Level 2 synergy products are available to expert users, with an official release being planned for beginning of 2018.
- The definition and implementation of the two new core data products, as requested by the European Commission, namely the Aerosol Optical Depth (AOD) and Fire Radiative Power (FRP) is on-going with sample products being available in Q1/Q2 2018 and an official release being planned shortly thereafter.
- The reprocessing of the SRAL data, including the commissioning phase, is completed and the data are now available to all users.
- A further reprocessing campaign including data from the commissioning phase is ongoing or planned:
 - SRAL reprocessing including the implementation of the new SAR mode retracker (SAMOSA 2.5) is planned to start towards the end of 2017.
 - OLCI reprocessing campaign is in progress with a data release planned for early 2018.
 - SLSTR reprocessing including cloud detection improvements is planned to start early 2018.

USER INTERACTION

- The next Sentinel-3 Validation Team meeting will take place 13-15 March 2017 at EUMETSAT (https://www.eumetsat.int/website/home/News/ConferencesandEvents/DAT_3645214.html)
- The next Sentinel-3 Quality Working Groups will take place for
 - SLSTR: winter 2017/2018 TBC

OUTLOOK

- Preparations for Sentinel-3B launch on-going.