

MISSION STATUS : 12 April 2018

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 with the following exceptions:
 - Regular OLCI calibration activities took place on 14 February and 19 March and resulted in brief interruptions for the OLCI data availability.
 - Due a planned out-of-plane orbit manoeuvre on 14 March 2018, NRT/STC/NTC L1 and L2 user data were degraded or missing.
- 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.
- Since October 2017 Sentinel-3A is in routine operations, having reached full operational capacity.
- The joint ESA-EUMETSAT mission management activities continue nominally.
- For Sentinel-3B two changes will be implemented in the overall mission
- The orbit phasing between S3A and S3B will shift from 180 to 140 degree, and S3A and S3B will fly 30 seconds apart in the so-called Tandem phase, which is planned to last 4-5 months with two drift phases of up to 6 weeks, one before and one after the Tandem period.

DATA AVAILABILITY AND ACCESS

- All Level 1 and Level 2 core data products have been released.
- Since June 2017 Level 2 synergy product are available to expert users, with an official release being planned for Q2 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 AOD products expected to be available in Q2 2018 and FRP in Q3 2018 with the official release planned shortly thereafter following a period of validation.
- Reprocessing activities are on-going:
 - SRAL, a full mission reprocessing (starting from 1 March 2016) has been completed for both the Land and the Marine products and made available to the Sentinel-3 Validation Team members. The full data set will be made available to the entire user community shortly in Q2 2018.
 - OLCI: level 1 and 2 data reprocessing has finished, granule based data are available from EUMETSAT's dissemination system, PDU based data are available from ESA's dissemination systems since beginning of March 2018.
 - SLSTR: level 1 and 2 data reprocessing will start in April 2018 now the updated cloud masking are implemented and operational.
- A new Sentinel GNSS L1B RINEX user product has been officially released for the Sentinel-1, -2 and -3A satellites from the Copernicus Data Hub service.
- A new interactive website, www.altimetry-hydro.eu, offers the possibility to display OLTC elevation tables on-board Sentinel-3 SRAL altimeters.
- For more information on data access see: <http://copernicus.eu/data-access>

USER INTERACTION

- The 4th Sentinel-3 Validation Team meeting took place 13-15 March 2017 at EUMETSAT, presentations are available on (https://www.eumetsat.int/website/home/News/ConferencesandEvents/DAT_3645214.html)
- The next Sentinel-3 Quality Working Groups will take place for
- Altimetry: 16-17 May 2018
- POD: 12-13 June 2018

OUTLOOK

- Preparations for Sentinel-3B launch, on 25 April 2018, on-going according to the agreed schedule. The Sentinel-3B Operations Readiness Meeting was concluded on 23 March with all ESA and EUMETSAT facilities and teams declared ready for launch.