

MISSION STATUS : 22 May 2018

sentinel-3

→ A BIGGER PICTURE FOR COPERNICUS

Sentinel-3B has been successfully launched on 25 April 2018. First images have been released on the EC, ESA and EUMETSAT websites. Sentinel-3B is now in the commissioning phase with routine operations expected to start at the beginning of 2019. The drift phase to reach the tandem position, placing Sentinel-3B 30 sec in front of Sentinel-3A, has started. Sample data products will become available for expert users in June/July 2018 following the respective instrument's successful mid-term review.

OVERALL MISSION

- The overall status of the Sentinel-3A 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.
- 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 have been implemented for 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 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 products 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 – L2 Marine data is now available on CODAREP.
 - 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 May 2018 using the updated cloud masking which is now 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.
- A new website comprising all information for the Sentinel-3 Validation Team is now available on www.s3vt.org.
- For more information on data access see: <http://copernicus.eu/data-access>

USER INTERACTION

- The next Sentinel-3 Quality Working Groups will take place for
 - POD: 12-13 June 2018

OUTLOOK

Sample Sentinel-3B data products are expected to become available for expert users in June/July 2018.