

MISSION STATUS : 25 January 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.
- 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 Q1 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 Q2 2018 and an official release being planned shortly thereafter.
- Reprocessing activities are on-going:
 - SRAL: all level 1 and 2 data starting from June 2016 onward have been reprocessed and are available to users. A further reprocessing campaign, covering the entire STM mission and using an improved processor, has been initiated in January 2018, with reprocessed data planned to be available by mid-February 2018.
 - OLCI: level 1 and 2 data reprocessing has finished, granule based data are available from EUMETSAT's dissemination system, PDU based data will be available from ESA's dissemination systems beginning of February 2018.
 - SLSTR: level 1 and 2 data reprocessing will start in January 2018 after the improvements to the cloud masking are introduced.
- GNSS Level 1B RINEX files will be released beginning of February 2018.
- For more information on data access see: <http://copernicus.eu/data-access>

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: 6-7 February 2018
 - Altimetry: 16-17 May 2018
- Further Sentinel-3 relevant workshops and conferences:
 - Workshop on Land Product Validation and Evolution (LPVE), 27 February - 1 March, ESA-ESRIN, Frascati: <https://nikal.eventsair.com/QuickEventWebsitePortal/lpve-conference-2018/esa-conference>

OUTLOOK

- Preparations for Sentinel-3B launch, expected for April 2018, on-going.