

## MISSION STATUS : 8 March 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:
  - Due to the execution of the planned SLSTR decontamination procedure and on-board software maintenance, SLSTR Visible channel data were unavailable from 15 February 09:15 to 19 February 12:44 and IR channels from 15 February 09:15 – 21 February 13:32.
  - Two on-board anomalies on 20 and 23 January 2018 impacted for brief periods (~10min) the availability of SRAL and SLSTR data.
- 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 with the following exceptions:
  - In January and February some issues with the CGS caused a delay or loss of raw data with the corresponding impact on product timeliness.
  - In February an issue with the supply of auxiliary data from SALP for ~2 days caused impacts on product timeliness.
- 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 products 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 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: 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, was initiated in January 2018, with reprocessed data shortly to be released to users.
  - 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 beginning of March 2018.
  - SLSTR: level 1 and 2 data reprocessing will start in March 2018 after the improvements to the updated cloud masking are validated.
- 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.
- 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](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

#### OUTLOOK

- Preparations for Sentinel-3B launch, on 25 April 2018, on-going according to the agreed schedule.