





European Space Agency

sentinel-3

MISSION STATUS: 5 MARCH 2019

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OVERALL MISSION

- The overall status of the Sentinel-3A&B spacecraft is nominal, with all subsystems performing nominally.
- All instruments, including OLCI, SRAL, SLSTR and MWR, are switched on and performing well.
- The Flight Operations Segment (FOS) is operating nominally with the dual satellite operations performed routinely since 28 March.
- The Payload Data Ground Segment (PDGS) for Land and Marine are operating as expected.
- The joint ESA-EUMETSAT mission management activities continue nominally.

SENTINEL-3A

Since October 2017 Sentinel-3A is in routine operations, having reached full operational capacity.

SENTINEL-3B

Sentinel-3B is in the ramp-up phase which is expected to conclude in late March 2019. The Tandem phase was operated between 6 June 2018 and 16 October with Sentinel-3B 30 seconds in front of Sentinel-3A. Sentinel-3B is now in its nominal orbital position 140 degrees in front of Sentinel-3A. The Routine Operations Readiness Review (RORR), which will confirm the readiness of Sentinel-3B to support full operations, is planned for 26 March 2019.

DATA AVAILABILITY AND ACCESSS

- All Sentinel-3A Level 1 and Level 2 core data products have been released.
- All Sentinel-3B Level 1 core data products have now been officially released.
- The Sentinel-3B OLCI and SLSTR level 2 and SYNERGY data over land have been released in January and February 2019, respectively.
- The Sentinel-3B OLCI and SLSTR L2 Marine data are expected to be released in March 2019, in time for the Routine Operations Review.
- The definition and implementation of the new core data products, as requested by the European Commission, namely the Aerosol Optical Depth (AOD) and Fire Radiative Power (FRP) is on-going. The NRT products are expected to be available in Q2/3 2019 assuming a successful scientific validation. The NTC products are expected to be available in Q2/3 2019.
- Reprocessed Sentinel-3A SRAL Level 1B and Level 2 Land data have been released in November 2018, starting from 1 March 2016, with
 reprocessed Level 1A and –BS data planned for release in April 2019. Reprocessed Sentinel-3A SLSTR Level 2 were released in December 2018,
 with reprocessed Level 1 data being planned for release in March 2019. Reprocessed Sentinel-3A OLCI are available to users since September
 2018.
- Reprocessed Marine products are available as follows:
 - Sentinel-3A SRAL L1 & L2 from 01/03/2016 to 20/01/2018 available on CODAREP
 - Sentinel-3A OLCI L1 & L2 from 26/04/16 to 29/11/17 available on CODAREP
 - Sentinel-3A SLSTR L2 from 03/2016 to 02/2018 with L1 from the same period being progressively made available on CODAREP
 - Sentinel-3A Altimetry L2P products from June 2016 to April 2017 available from AVISO
 - Sentinel-3A Reprocessed Altimetry L3 products from 06/16 to 04/17 available with CMEMS V4
- Reprocessing plans for the data from the Sentinel-3B commissioning/tandem phase are currently being discussed.
- The Sentinel GNSS L1B RINEX user product for the Sentinel-1, -2 and -3A satellites is available from the Copernicus Data Hub service.
- An interactive website, www.altimetry-hydro.eu, offers the possibility to display OLTC elevation tables on-board Sentinel-3 SRAL altimeters.
 An update of the on-board OLTC tables for both Sentinel-A and -3B to improve the monitoring of rivers and lakes has been completed. This
- update will increase the number of included targets (more than 30.000 new virtual stations). The upload to Sentinel-3B has been successfully completed during commissioning and the Sentinel-3A update will start in early March.
- A website providing information for the Sentinel-3 Validation Team is available at www.s3vt.org including details of the upcoming meeting in May.
- For more information on data access see: http://copernicus.eu/data-access

USER INTERACTION

- The next Sentinel Validation Team Meeting will take place 7-9 May 2019 at ESA-ESRIN.
 - The next Sentinel-3 Quality Working Groups will take place for
 - o QWG Altimetry: November 2019 TBC (EUMETSAT)
 - o OLCI QWG: Q4 2019
 - o SLSTR QWG Q4 2019
 - o POD QWG 26-27 June 2019, DLR, Germany

OUTLOOK

Full official release of all Sentinel-3B data products.

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