

sentinel-3

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MISSION STATUS 10 April – 10 June 2017

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 broadly as expected in the mission ramp-up phase, gradually moving towards full operational capacity. Some outages and data delays may continue to occur due to upgrading/maintenance of the PDGS systems and the on-going core data release.
- The orbit phasing between S3A and S3B has been confirmed to shift from 180 to 140 degree, as agreed for implementation by the EC in December 2016.
- ESA and EUMETSAT have jointly finalised the assessment and reached a technical agreement for the implementation of a Tandem phase, i.e. flying Sentinel-3B around 30 seconds apart from Sentinel-3A during the Sentinel-3B commissioning phase. The Tandem phase is planned to last 4-5 months with two drift phases of up to 6 weeks, one before and one after the Tandem period. The final implementation has been agreed with the Commission and implementation has started.

MISSION MANAGEMENT

- The Sentinel-3A mission is now in the ramp-up phase, moving towards full operational capacity in Q2 2017.
- The joint ESA-EUMETSAT mission management activities continue nominally.

DATA AVAILABILITY AND ACCESS

- Following the IOCR, some remaining issues affecting the released sample data products needed to be addressed. The following core data products have been released:
 - OLCI Level 1 NRT: 20 October 2016
 - SLSTR Level 1 NRT: 17 November 2016
 - SRAL L1B and L2 NRT and STC: 13 December 2016
 - OLCI Level 1 NTC: 14 December 2016
 - SLSTR Level 1 NTC: 19 January 2017
 - SRAL L1B NTC: Jan 2017
 - SRAL L1A: 6 March 2017
 - SRAL L1BS NTC/STC: 13 April 2017
- The current plan for further core data product releases is (TBC):
 - OLCI L2 and SLSTR L2: Q2 2017.
 - SYN/VGP: Q2/ 2017
 - AOD and FRP: Q4 2017/Q1 2018.
- In the meantime, the following sample data products continue to be available to Sentinel-3A expert users:

Data product (*)	Released on (2016)	Available data (2016)
OLCI L2 over land (ESA)	20 June	20 June 2016 - today
OLCI L2 over ocean (EUMETSAT)	22 June	22 June 2016 - today
SLSTR L2 - LST (ESA)	20 June	9 June 2016 - today
SLSTR L2 - SST (EUMETSAT)	21 June	21 June 2016 - today
SYNERGY L2 (ESA)	11 June	9 May 2017- today

USER INTERACTION

- The Sentinel-3 Quality Working Groups met for the 2nd time in the December 2016/ February 2017 time frame.
- The Sentinel-3 Validation Team (S3VT) meeting took place on 15-17 February 2017 at ESA-ESRIN, Frascati, Italy.
- The Routine Operations Readiness Review (RORR) is foreseen for Q3 2017.

OUTLOOK

- Release of operationally qualified core data products - see above for schedule.