

sentinel-3

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MISSION STATUS 18 January – 28 February 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 perform nominally.
- An anomaly re-occurred on 14 February 2017 at ~08:00 on SLSTR, causing the instrument temperature to rise from the expected 77K. A full decontamination was performed and the instrument is back to nominal operations since ~13:30 on 19 February 2017 with the VIS channel data already available from ~18:00 on 17th February. The root cause of this anomaly is known and a work around solution in case of re-occurrence is currently investigated.
- The Flight Operations Segment (FOS) is operating nominally.
- The Payload Data Ground Segment (PDGS) is operating broadly as expected in the mission ramp-up phase, gradually moving towards full operational capacity. Some outages and data delays occurred due to recent upgrading of the PDGS systems in preparation of full operations 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 confirmed for implementation by the EC in December 2016.

MISSION MANAGEMENT

- The Sentinel-3A mission is now in the ramp-up phase, moving towards full operational capacity at approximately IOCR + 9 months.
- 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

The current plan for further core data product releases is: (TBC):

- SRAL L1A STC: Feb 2017
 - SRAL L1BS STC: March 2017
 - OLCI L2 and SLSTR L2: spring 2017.
 - SYN/VGP: Q2/ 2017
 - AOD and FRP: Q3/4 2017.
- 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 - today
OLCI L2 over ocean (EUMETSAT)	22 June	22 June - today
SLSTR L2 - LST (ESA)	20 June	9 June - today
SLSTR L2 - SST (EUMETSAT)	21 June	21 June – today
SRAL L1A/1BS	21 Dec	21 Dec

USER INTERACTION

- The Sentinel-3 Quality Working Groups have 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 12 May 2017.

OUTLOOK

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