

## MISSION STATUS 20 October – 23 November 2016

## 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 perform nominally.
- 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.

### MISSION MANAGEMENT

- The Sentinel-3A commissioning phase ended on 12th July with the successful passing of the In-Orbit Commissioning Review (IOCR). The mission is now in the ramp-up phase, moving towards full operational capacity at approximately IOCR + 9 months.
- Following the handover of the responsibility for the routine operations of the spacecraft and the Marine PDGS from ESA to EUMETSAT, the joint ESA-EUMETSAT mission management has started.

### 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 now been released:
  - OLCI Level 1 NRT: 20 October 2016
  - SLSTR Level 1 NRT: 17 November 2016
- The current plan for further core data product releases is: (TBC):
  - SRAL L1A, L1B and L2 NRT and STC: 6 December 2016
  - OLCI Level 1 NTC: 14 December 2016
  - SLSTR Level 1 NTC: 12 January 2017
  - SRAL L1B NTC and L1BS STC: 19 January 2017
  - OLCI L2: early 2017.
  - SLSTR L2: early 2017
  - SYN: early 2017
  - Aerosol Optical Depth (AOD) and Fire Radiative Power (FRP): mid-2017.
- In the meantime, the following sample data products continue to be available to Sentinel-3A expert users:

Data product (*)	Released on	Available data
OLCI L2 over land (ESA)	20 June	20 June - today
OLCI L2 over ocean (EUMETSAT)	22 June	22 June - today
SLSTR L1	13 June	8 June - today
SLSTR L2 - LST (ESA)	20 June	9 June - today
SLSTR L2 - SST (EUMETSAT)	21 June	21 June - today
SRAL L1B (**)	15 June	<b>Reprocessed data:</b> <ul style="list-style-type: none"> <li>• 6 April – 6 May (SAR, 9-12 April in LRM),</li> <li>• 5 June – 13 Oct (SAR),</li> </ul> <b>Current data:</b> 18 June- today
SRAL L2 over land (ESA)	15 June	<b>Reprocessed data:</b> <ul style="list-style-type: none"> <li>• 6 April – 6 May (SAR, 9-12 April in LRM),</li> <li>• 5 June – 13 Oct (SAR),</li> </ul> <b>Current data:</b> 06 July - today
SRAL L2 over ocean (EUMETSAT)	15 June	<b>Reprocessed data:</b> <ul style="list-style-type: none"> <li>• 6 April – 6 May (SAR, 9-12 April in LRM),</li> <li>• 15 June – 13 Oct (SAR),</li> </ul> <b>Current data:</b> 12 July - today

### USER INTERACTION

- The Sentinel-3 Quality Working Groups will meet for the 2<sup>nd</sup> time in the December 2016/ January 2017 time frame.
- **Please note change of date:** A Sentinel-3 Validation Team (S3VT) meeting is planned for 15-17 February 2017 at ESA-ESRIN, Frascati, Italy.

### OUTLOOK

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

Report prepared by the ESA and EUMETSAT Sentinel-3 Operations Team