

## MISSION STATUS 10 June – 11 July 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 as expected in the final stages of the mission ramp-up phase, with full operational capacity achieved on 5<sup>th</sup> July, which will be formally confirmed at the S3A Routine Operations Readiness Review on 28<sup>th</sup> September.
- 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 has now reached the full operational capacity.
- The joint ESA-EUMETSAT mission management activities continue nominally.

### DATA AVAILABILITY AND ACCESS

- All Level 1 core data products have been released.
- OLCI and SLSTR Level 2 core data products over land and ocean were released to all users on 5 July 2017 (note: SRAL level 2 core data products over land and ocean have been released already end 2016).
- Since June 2017 sample products for the Level 2 synergy product are available to expert users, with an official release being planned for autumn 2017
- 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 products being available towards the end of 2017 and an official release being planned end 2017/beginning 2018.
- The reprocessing of the SRAL data, including the commissioning phase, is completed and the data will shortly be made available to all users.
- The reprocessing of the OLCI and SLSTR data, including the commissioning phase, is planned for winter 2017.

### USER INTERACTION

- The next Sentinel-3 Quality Working Groups will take place for
  - SLSTR: 19-20 July 2017
  - OLCI: autumn 2017 TBC
  - Altimetry: 14 November 2017
- The Joint ESA-EUMETSAT Routine Operations Readiness Review (RORR) is foreseen for 28 September 2017.

### OUTLOOK

- Formalisation of Sentinel-3A full operations at the RORR in September 2017.