

sentinel-1

→ RADAR VISION FOR COPERNICUS

Mission Status Report 25

Reference Period: 19 September – 25 September 2014

Mission Status

- The satellite Commissioning Phase concluded with the Commissioning Phase Review (IOCR), that successfully took place on 23 September 2014
- The Sentinel-1 Space Segment responsibility was handed over from the Project Manager (ESA/ESTEC) to the Mission Manager (ESA/ESRIN) on 25 September
- The opening of the Sentinel-1 data flow to all users is planned on 3 October, in advance with respect to the data provision plan. Operational product qualification will be pursued during the next months, as planned
- To date, 1901 users have self-registered. This is in addition to the Copernicus core users already registered on the Copernicus Space Component Data Access (CSCDA) infrastructure.

Satellite and Ground Segment

- The Sentinel-1A spacecraft is in a stable state, operating in Nominal Mission Mode (NMM), with all sub-systems working on prime units
- Satellite commissioning activities have been completed
- The Optical Communication Payload (OCP - for inter-orbit link with data relay satellite) related activities have been continued and will be pursued during the next days
- The SAR operations are being planned through the Payload Data Ground Segment mission planning system, supporting in particular product qualification activities and initial operations in line with the ramp-up observation plan
- X-Band data acquisitions are routinely performed over Matera and Svalbard stations. Acquired data are circulated within the PDGS, systematically processed to Level-0 and Level-1 products and archived. The distribution of all systematically generated SAR SM, IW and EW user products will start on 3 October
- The overall FOS and PDGS status and performance are nominal

Outlook

- Continuation of ramp-up mission operations.
- Opening of data access to all users

