

sentinel-1

→ RADAR VISION FOR COPERNICUS

Mission Status Report 26

Reference Period: 26 September – 6 October 2014

Mission status

- The Sentinel-1A operational qualification phase is on-going
- The opening of the Sentinel-1 data flow to all users took place on 3rd October. Data can be accessed from: <https://sentinel.esa.int>
- The initial ramp-up observation scenario has been implemented, including in particular coverage of a first set of COPERNICUS Services areas of interest, of European land and coastal waters, and of a set of tectonic/volcanic areas, as well as other specific targets worldwide. An overview of the current observation plan is available at: <https://sentinel.esa.int/web/sentinel/missions/sentinel-1/observation-scenario>
- The Sentinel-1A spacecraft is in a stable state, operating in Nominal Mission Mode (NMM), with all sub-systems working on prime units
- A SAR unavailability took place on 6 October, from 10:50:16 to 14:01:32 UTC
- The Optical Communication Payload (OCP) related activities have continued and will be pursued over the next days with the establishment of the first characterisation inter-satellite link
- 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
- Sentinel-1 Level-0 products available to users have been declared operationally qualified
- Sentinel-1 Level-1 products available to users are preliminary calibrated. Sentinel-1 operational products qualification will be pursued during the next weeks, as planned
- The distribution of all systematically generated SAR SM, IW and EW L0 & L1 user products has started. The regular products flow is available for download by any user:
 - A total of 2132 users have self-registered. This is in addition to the Copernicus core users already registered on the Copernicus Space Component Data Access (CSCDA) infrastructure (about 400 users).
 - Since the opening of the regular data flow:
 - 1842 products have been made available for download, corresponding to 4.5 TB
 - 3418 successful user downloads have been performed.
- The overall operations mission performance is nominal

Outlook

- Continuation of ramp-up mission operations
- A SAR planned unavailability is scheduled on 7 October from 06:30 UTC to 21:30 UTC, in order to perform OCP operations in view of the first inter-satellite links

