

sentinel-2

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Mission Status Report 70

Reference Period: 7 - 13 Jan 2017

Mission Status

- The mission operated nominally during the reporting period. A planned mission outage occurred for the MSI decontamination between 09/01 07:30 UTC and 10/01 06:30 UTC. Access to the routine production of Sentinel-2A ortho-rectified Level-1C products is available at <https://scihub.copernicus.eu>.
- To date, a total of 61,143 users have self-registered on the Sentinels Scientific Data Hub. About 423 thousand Level-1C products are available for download, cumulating a total volume of 552 TB. Overall, a total volume of 2.44 Petabytes has been downloaded by the user communities.
- The Sentinel-2A acquisition scenario is published at <https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- The data quality report is published at <https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/data-quality-report>
- The acquisition scenario has been executed with an average of 13.8 minutes of MSI sensing time per orbit, Sentinel-2A is acquiring Europe, Africa and Greenland at 10 days revisit. The northern latitude 'winter scenario' is being executed whereby the whole of Asia/Oceania and the Americas are acquired with a 10-day revisit, in an alternating pattern.
- The Flight Operations Segment (FOS) ensuring the monitoring, control and commanding of the satellite is operating nominally.
- The status of the satellite is nominal. The validation campaign for the final software update for the MMFU is in its final stage, the first part of the MMFU final software update will take place on 17 January, a second step is planned later.
- The OCP Experimentation Phase is on-going with Alphasat.
- X-band data acquisitions are routinely performed by the PDGS over Matera, Maspalomas and Svalbard core stations. The acquired data is systematically processed to Level-0 and Level-1 products, circulated, and archived.
- Operations are nominally performed at the Processing and Archiving Centres and other PDGS operational services (i.e. Mission Performance Centre, Precise Orbit Determination, Wide Area Network).
- The reprocessed products in baseline 02.04 are available for download up to 20th November 2015; there is an ongoing activity to retrieve from the Long Term Archives the remaining L0 data necessary for the completion of the reprocessing campaign (covering up to the data access opening in early December 2015).

Outlook

- The first step of the final MMFU software update will take place 17 January, resulting in a planned mission outage between 05:44:46 UTC and 18:46:12 UTC.
- EDRS-A / S2A OCP Commissioning Phase not before Q1/2017.
- Continued reprocessing campaign, expected finalisation within Q1 2017.

