

sentinel-2

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Mission Status Report 71

Reference Period: 14-19 Jan 2017

Mission Status

- The mission operated nominally during the reporting period, apart from a Sentinel-2 MMFU unavailability on 14 January 2017, leading to a data loss between 13:58 and 17:02 UTC, impacting orbits 8172 to 8174. A planned mission outage occurred for an MMFU software update, with an unavailability on 17 January between 02:04:20 UTC (Orbit 8208) and 18:50:42 UTC (Orbit 8217 included).
- 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 61,905 users have self-registered on the Sentinels Scientific Data Hub. About 448 thousand Level-1C products are available for download, cumulating a total volume of 563 TB. Overall, a total volume of 2.54 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 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. While the first part of the MMFU final software update took 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.
- A data reception anomaly at the Svalbard ground-station has induced the loss of overall 6 minutes of MSI acquisitions on the 17/01 between 00:19:27 and 00:38:19 UTC (satellite overpass over Pacific ocean islands between Bering Island and Papua New Guinea)
- 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 from the commissioning phase are available for download in baseline 02.04 up to 20th November 2015; the completion of the campaign up to December 2015 remains pending the restore of the source data from the long-term archive which is currently on-going.

Outlook

- Second step of final MMFU software update, assumed in Q1/2017
- EDRS-A / S2A OCP Commissioning Phase not before Q1/2017.
- Continued reprocessing campaign, expected finalisation within Q1 2017.

