

sentinel-2

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Mission Status Report 72

Reference Period: 20-26 Jan 2017

Mission Status

- Due to a mission planning anomaly, no Sentinel-2 MSI data has been acquired between Friday 20 January 2017, 09:07 UTC (part of acquisition on orbit 8255) and Monday 23 January, 12:00 UTC (orbit 8299 included). Furthermore due to an issue in the data processing chain, products generated between 20 January (orbit 8242 acquired on 19/01) and 26 January (orbit 8340) are affected by missing metadata and incorrect footprint. The available data (excluding the unavailability period 20-23 Jan as per above) are being corrected on the data hubs.
- 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 62,960 users have self-registered on the Sentinels Scientific Data Hub. About 456 thousand Level-1C products are available for download, cumulating a total volume of 572 TB. Overall, a total volume of 2.65 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 14 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 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; the completion of the campaign up to December 2015 remains pending the on-going restore of the source data from the Long Term Archive.

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.

