

sentinel-2

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Mission Status Report 76

Reference Period: 18-24 Feb 2017

Mission Status

- A PDGS maintenance took place as planned on 15th February inducing the temporary unavailability on the data hubs of new Sentinel-2A data products between 14 February around 16:00 UTC and 15 February around 17:00 UTC. All products were successfully made available following the maintenance.
- Products generated between 20 January (orbit 8242 acquired on 19/01) and 26 January (orbit 8340) that were affected by missing metadata and incorrect footprint have been removed from the datahubs and are being gradually replaced with correct versions.
- 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 67,660 users have self-registered on the Sentinels Scientific Data Hub. About 578 thousand Level-1C products are available for download, cumulating a total volume of 631 TB. Overall, a total volume of 3.12 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 14.8 minutes of MSI sensing time per orbit, Sentinel-2A is acquiring Europe, Africa and Greenland at 10 days revisit. Since 22 February the 20-day revisit pattern has been introduced for the rest of the world. It will remain in place until either the 4th X-band station or EDRS become available operationally, assumed towards late Q2/early Q3-2017.
- 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 reprocessing in baseline 02.04 of the S2A commissioning phase acquisitions is progressing nominally, the reprocessed products up to the 23rd November 2015 are available for download.

Outlook

- Second step of final MMFU software update, assumed in Q1/2017.
- EDRS-A / S2A OCP Commissioning Phase not before Q2/2017.
- Continued reprocessing campaign, expected finalisation within Q1 2017.
- Launch of Sentinel-2B, 7 March 2017.

