

sentinel-2

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Mission Status Report 113

Reference Period: 04-10 Nov 2017

Mission Status

- Sentinel-2A and -2B are together acquiring Europe, Africa and Greenland with 5 days revisit. The rest of the World is revisited every 10 days jointly by the two satellites. Global systematic 5-day revisit will be reached once either the 4th ground station (Inuvik) or EDRS become fully operational.
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 11.9 minutes for S2A and 13.3 minutes for S2B.
- The Sentinel-2 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>
- Access to the routine production of Sentinel-2A ortho-rectified Level-1C products and pre-operational Level-2A products is available in all the Data Hubs.
- Since 09 November, the complete Sentinel-2B production is now available on the Data Hub with the same ingestion date and unique identifier of the Sentinel-2B Pre-operational Hub. The S2B Pre-Ops Hub will be decommissioned during next reporting period. Users are invited to review their scripts, or software tools, if relying on the S-2B PreOps API.
- The recovery of the Sentinel-2A data missing between 31 October and 02 November as the result of a ground segment anomaly, has been completed during the period.
- To date, a total of 110,781 users have self-registered on the Copernicus Open Access Hub. About 2.2 millions products are available for download, cumulating a total volume of 1.35 Petabytes. Overall, a total volume of 11.27 Petabytes has been downloaded by the user communities from the Copernicus Open Access Hub, the Copernicus Services Hub, the Collaborative GS Hub and the International Hub.
- The Flight Operations Segment (FOS) ensuring the monitoring, control and commanding of the satellite is operating nominally.
- Phase B2 of the S2A EDRS OCP User Commissioning restarted as planned on the 6th of November 2017.
- S2B EDRS initial operations and ramp up activities performed nominally.
- 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).
- A routine decontamination activity of the Sentinel-2B MSI has been planned over a continuous 24 hours period from 06:15 UTC on 25 November and 05:40 UTC on 26 November (corresponding approximately to absolute orbits of 3764 and 3777). During this time period, no MSI acquisition will take place.

Outlook

- Monitor S2A EDRS User Commissioning Phase B2
- Monitor S2B EDRS initial operations and Ramp up