



sentinel-2

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Reference Period: 27 May - 2 June 2017

Mission Status

- Access to the routine production of Sentinel-2A ortho-rectified Level-1C products is available at https://scihub.copernicus.eu.
- The recovery of the acquisitions of 7th April remains pending the correction of the related anomaly of the Svalbard front-end equipment data restore function.
- To date, a total of 85,820 users have self-registered on the Sentinels Scientific Data Hub. About 1.02 million Level-1C products are available for download, cumulating a total volume of 845 TB. Overall, a total volume of 5.6 Petabytes has been downloaded by the user communities from the Open Access Hub, the Copernicus Hub and the International Hub.
- 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 14.6 minutes of MSI sensing time per orbit, Sentinel-2A is acquiring Europe, Africa and Greenland at 10 days revisit. Since 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-bad 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 FOS Engineering Regression Validation Phase in preparation for EDRS-A/ S2A OCP Commissioning Phase was completed, validating the Mission planning interface between PDGS and FOS to operate the OCP. The ground segment interfaces with the EDRS ground segment have been successfully configured and verified in view of commissioning the first Sentinel-2A downlink acquisitions via the OCP, EDRS-A and the PDGS in the next reporting period.
- 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 was completed: the reprocessed products up to the 11th December 2015 are available for download.
- A call has been released for a special issue of RSE (Remote Sensing of Environment), for the topic of Science and Applications with Sentinel-2. Submissions are due by 30 September 2017. Please see the Elsevier page for details on the call:
- https://www.journals.elsevier.com/remote-sensing-of-environment/call-for-papers/scienceand-applications-with-sentinel-2

Outlook

- Second step of final MMFU software update, likely to be executed together with the next MSi decontamination, planned not before July 2017.
- EDRS-A / S2A User Commissioning Phase will start in June 2017.
- Continued reprocessing campaign, expected finalisation within Q2 2017.







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Sentinel-2B In-Orbit Commissioning Phase (IOC)

- All satellite functions are performing nominally.
- All S2B IOC activities have been successfully completed according to plan, including the first transmissions of S2B images via laser beam and Ka-Band to ground.
- The Flight Operations Segment and the Payload Data Ground Segment are operating nominally the S2A and S2B constellation.

Outlook

In-Orbit Commissioning Review (IOCR) planned for the 15th of June 2017

Weekly image



Potsdam, Germany, 1 June 2017

