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sentinel-2

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Mission Status Report 111 Reference Period: 21-27 Oct 2017

Mission Status

- 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.
- Starting on Monday 9th of October, Sentinel-2B has joined Sentinel-2A on the <u>Copernicus Open Access Hub</u> and on the accompanying API Hub interface, access point for users of the scripting interface. The most recent data is being routinely published and the past data is gradually added to the catalogue.
- The S2B Pre-Ops Hub continues to publish Sentinel-2B products in parallel for at least one month giving users the opportunity to update their scripts.
- Sentinel-2 Level-1C products started to be distributed with a slightly updated format as of 23 October 2017. The updated PSD (14.3) was made available for download. Please note that a typo in one XSD schema distributed as part of the Product Specification Document issue 14.3 has been detected and corrected. The zip attachment with the corrected XSD schemas has now been updated in the document. Further details at: https://scihub.copernicus.eu/news/News00238
- As a consequence of an error in the mission planning procedure, orbit 3324 from Sentinel-2B on 25 October 2017 has been lost and orbits 3323, 3325, 3331, 3332 and 3334 on 25 and 26 October have been partially lost.
- To date, a total of 107,912 users have self-registered on the Copernicus Open Access Hub. About 2.04 millions products are available for download, cumulating a total volume of 1.30 Petabytes.
- The Sentinel-2 acquisition scenario is published at: <u>https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans</u>
- The data quality report is published at: <u>https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/data-quality-report</u>
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 12 minutes for S2A and 12,7 minutes for S2B.
- 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. Full systematic 5-day revisit everywhere will be reached once EDRS downlink becomes available operationally, assumed during Q4 2017 for both S2A and S2B.
- The Flight Operations Segment (FOS) ensuring the monitoring, control and commanding of the satellite is operating nominally.
- The status of both satellites is nominal.
- The S2A EDRS OCP anomaly investigation was concluded, and after the introduction of the necessary configuration changes, it was agreed to plan the restart of the User Commissioning phase B2 on the 6th of November 2017.
- As planned, following the end of the S2B EDRS User Commissioning Phase B2 on 19th of October, corresponding initial operations and ramp up activities started on the 25th of October.
- 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).

Outlook

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