

## sentinel-2

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### Mission Status Report 102

Reference Period: 19 Aug – 25 Aug 2017

#### Mission Status

- Access to the routine production of Sentinel-2A ortho-rectified Level-1C products and pre-operational Level-2A products is available at <https://scihub.copernicus.eu>.
- Access to the Sentinel-2B ortho-rectified Level-1C products is provided through a dedicated hub accessible via the [Copernicus Open Access Hub](#) with public credentials. This dedicated interface will be maintained until mid September, at which point both Sentinel-2A and Sentinel-2B products will be commonly accessible through the nominal Data Hub interfaces.
- The recovery of the missing S2A and S2B Svalbard productions occurred between 1<sup>st</sup> and 8<sup>th</sup> August has been completed and their dissemination to the hubs is in progress.
- The recovery of the missing productions following the hardware anomaly occurred in Matera on the 11<sup>th</sup> August is on-going.
- To date, a total of 97,276 users have self-registered on the Sentinels Scientific Data Hub. About 1.36 million products are available for download, cumulating a total volume of 1027 TB. Overall, a total volume of 9.4 Petabytes has been downloaded by the user communities from the Open Access Hub, the Copernicus Hub, the Collaborative GS Hub and the International Hub.
- 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>
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 14.2 minutes for S2A and 14.6 minutes for S2B. Sentinel-2A and -2B are together acquiring Europe, Africa and Greenland at 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 towards Q3-2017 for S2B and Q4 for S2A.
- 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 EDRS-A / S2A OCP anomaly investigation is ongoing: Investigation on the root cause is progressing with tests planned on the qualification model during August with the aim to reproduce the problem. Meanwhile, the possibility of a return to operations with limitations in the movement was confirmed and an adapted operations scenario is under analysis.
- S2B/TDP-1 Phase B1 (EDRS-A Link Commissioning) is ongoing according to plan. Sentinel-2B EDRS User Commissioning Phase B2 will start in September.
- 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

- Continued investigations of the OCP anomaly for the EDRS-A / S2A User Commissioning Phase.
- Continue S2B/TDP-1 Phase B1