

sentinel-2

→ COLOUR VISION FOR COPERNICUS

Mission Status Report 117

Reference Period: 02-08 Dec 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, while in the meantime additional acquisitions are provided on top of the nominal acquisition plan indicated above.
- The Sentinel-2 acquisition scenario is published at:
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 9.8 minutes for S2A and 13.7 minutes for S2B. It is noted that the low sensing times are due to the current illumination conditions on the northern hemisphere that reduce the amount of land surface being acquired.
- Due to an anomaly with the MSI instrument, there was a Sentinel-2B unplanned unavailability between 02 December 2017 15:16 UTC and 04 December 2017 19:00 UTC.
- The data quality report is published at:
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/data-quality-report>
- Sentinel-2 Validation Team (S2VT) meeting will be hold on 29-31 January 2018 at ESRIN. More information available at:
<https://nikal.eventsair.com/QuickEventWebsitePortal/sentinel-2-validation-team-meeting/s2vtm>
- Land Products Validation and Evolution (LPVE) workshop will be hold from 27 February to 01 March 2018 at ESRIN. More information available at:
<https://nikal.eventsair.com/QuickEventWebsitePortal/lpve-conference-2018/esa-conference>
- 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.
- To date, a total of 113,382 users have self-registered on the Copernicus Open Access Hub. About 2.38 millions products are available for download, cumulating a total volume of 1.46 Petabytes. Overall, a total volume of 12.12 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.
- S2A EDRS user commissioning Phase B2 is on hold while the anomaly related to an S2A OCP anomaly on 13 November is fully investigated, operational contingency measures are agreed and the operational deployment plan is completed.
- S2B EDRS initial operations and ramp up activities being performed.
- Due to an anomaly on the S2B OCP, occurring since the 19th of November 2017 and that has been corrected since the 6th of December 2017, there has been a loss of MSI data over orbit 3920.
- 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 after having implemented the agreed contingency measures.
- Monitor S2B EDRS initial operations and ramp-up.