

Mission Status Report 156

Reference Period: 23 November - 13 December 2019

Mission Status

- The Sentinel-2 mission is performing global and systematic acquisitions with 5-day revisit.
- The observation scenario was expanded on 20 October for Sentinel-2A, and on 23 October for Sentinel-2B. Further details are available [here](#). The following new areas were included:
 - Pacific Islands (e.g. Tuamotu, Austral Islands, Kiribati, Juan Fernandez, Archipelago.)
 - Bermuda Island
 - Sargasso Sea.
- The Sentinel-2 acquisition plans are published at:
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- Level-2A operational production is available worldwide since 13th of December 2018, and over the Euro-Mediterranean region since 26 of March 2018. Level-2A products are available on the Copernicus Open Access Hub, the Copernicus Services Data Hub and the Collaborative Data Hub.
- The routine production of Level-1C top-of-atmosphere products is available in all the Data Hubs.
- The latest data quality information is available in two reports, one for [L1C products](#) and one for [L2A products](#).
- Some Data Hub anomalies and outages impacted the availability of the data access during the period. Please refer to the [news](#) page for the list of the single events.
- To date, a total of 297,938 users have self-registered on the Copernicus Open Access Hub.
- About 15.8 million products are available for download, cumulating a total volume of 8.2 Petabytes. Overall, a total volume of 70.7 Petabytes has been downloaded by the user communities from the Copernicus Open Access Hub, the Copernicus Services Data Hub, the Collaborative Data Hub and the International Hub.
- The space segment, with Sentinel-2A and -2B satellites, is in a stable and nominal state.
- The European Data Relay System (EDRS) service is being used operationally for both Sentinel-2A and Sentinel-2B.
- The Payload Data Ground Segment (PDGS) is operating nominally through its different operational services, i.e. Core Ground Stations (CGS), Processing and Archiving Centres (PAC), Mission Performance Centre (MPC), Precise Orbit Determination (POD), Payload Data Management Centre (PDMC), Wide Area Network (WAN) and Data Access Hubs.
- The 4th Sentinel-2 Validation Team (S2VT) meeting will be hosted in Darmstadt (Germany) at ESA-ESOC (European Space Operation Centre) premises from 3 to 5 March 2020. Further details available [here](#).
- The Copernicus DEM (Digital Elevation Model) has been released. Further details on this product can be found on the following links with the [news](#) and [product description](#).
- Sentinel-2 videos and images have been published and are available [here](#).
- The following articles related to Sentinel-2 were published during the reporting period:
 - [Copernicus Sentinels ally to monitor floods in Northern Italy](#)

Outlook

- The Sentinel-2 Level-2A on-demand service will start with an initial capacity available to Copernicus Services by Q1 2020.