



Mission Status Report 159

Reference Period: 04 April 2020 – 8 May 2020

Mission Status

- Despite the critical situation in Europe due to the COVID-19, important efforts are being made to ensure the continuity of the Sentinel-2 mission operations, which up to now remain nominal.
- The Copernicus Sentinel-2 mission is nominally performing global and systematic acquisitions.
- Since 20 October for Sentinel-2A and 23 October for Sentinel-2B, the observation scenario has been extended to acquire the following new areas:
 - Pacific Islands (e.g. Tuamotu, Austral Islands, Kiribati, Juan Fernandez, Archipelago.)
 - Bermuda Island
 - Sargasso Sea.
- The Sentinel-2 acquisition plans are regularly published at:
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- Level-1C top-of-atmosphere reflectance products are available in all Copernicus Data Hubs, i.e. Open Access Hub, Services Data Hub, Collaborative Data Hub and International Hub. Older products are available offline through as detailed [here](#).
- Level-2A surface reflectance products since 13th of December 2018, and over the Euro-Mediterranean region since 26 of March 2018, are available in all Copernicus Data Hubs.
- Information on data quality is available in two reports, one for [L1C products](#) and one for [L2A products](#).
- Since the 04 February, the Copernicus Sentinel-2 products used the new Processing Baselines 02.09 for Level-1C and 02.14 for Level-2A products. More information [here](#).
- 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.
- Some Copernicus Sentinel-2A planned acquisitions have been lost due to a collision avoidance manoeuvre executed on 12 and 13 April. Orbits 25107, 25108 and 25109 are partially affected by the activity.
- Following the planned ground segment maintenance executed on 4 May there has been a contingency occurred on a component under upgrade preventing the resume of the Copernicus Sentinel-2 Long Term Archive service. Service resumed on 07 May.
- The following articles related to Sentinel-2 were published during the reporting period:
 - [Satellites and machine learning for water management](#)
 - [Mapping Chernobyl fires from space](#)
- Sentinel-2 videos and images have been published and are 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](#).

Outlook

- The previously announced Level-2A on-demand service has been put on hold. Alternative solutions to access Sentinel-2 Level-2A historic products are being investigated and further news will follow.
- Start of the geometry-refined production using the Global Reference Image (GRI) and Copernicus DEM at 90 m resolution by Q2 2020.