



Mission Status Report 164

Reference Period: 01-30 September 2020

sentinel-2

→ COLOUR VISION FOR COPERNICUS

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.
- The 2019 Copernicus Sentinel Data Access Annual Report has been published and is available [here](#).
- 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](#).
- The Quaternions files for Copernicus Sentinel-2 mission computed by the Copernicus POD Service have been made available from the Copernicus Open Access Hub from 1 June onwards.
- 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.
- As a consequence of a contingency at network level, the nominal availability of several Copernicus Sentinel-2 Level-2A products has been affected between 25 and 28 September. The recovery of missing products is on-going at the time of writing this report.
- The following articles related to Sentinel-2 were published during the reporting period:
 - [US West Coast on fire](#)
 - [Providing the facts to help Europe achieve 55%](#)
 - [Copernicus Sentinel-2 monitors glacier icefall, helping climbers ascend Mount Everest](#)
- Sentinel-2 videos and images have been published and are available [here](#).

Outlook

- A routine decontamination activity of the Copernicus Sentinel-2A MSI instrument is planned to take place over a period of 24-hours between 5 October from 09:00 and 6 October from 09:00 UTC (corresponding to the period between absolute orbits 27603 to 27631). During this temporal window no MSI acquisition will take place.
- Start of the geometry-refined production using the Global Reference Image (GRI) and Copernicus DEM at 90 m resolution by November 2020.
- Usage of Copernicus DEM 30m in L1C and L2A productions by Q1 2021.