



Mission Status Report 167

Reference Period: 01-31 December 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.
- The mission 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 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 available [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.
- As a consequence of a ground segment contingency, the nominal availability of all Copernicus Sentinel-2 Level-2A products on 28 December between 00:00 and 14:00 UTC sensing time was prevented, and the production was recovered during the following days.
- As a consequence of a ground segment contingency on 1 December, the nominal availability of Copernicus Sentinel-2A products from sensing orbit 28427 to 28432 and Copernicus Sentinel-2B products from sensing orbit 19519 to 19523 was prevented, and the production was recovered during the following days.
- The following articles related to Sentinel-2 were published during the reporting period. It is noted in particular the first article, representing a significant breakthrough on the usage Sentinel-2 for a new application:
 - [Mapping high-resolution methane emissions from space](#)
 - [Monitoring European air traffic with Earth observation](#)
 - [Copernicus Sentinels help monitor ship traffic](#)
 - [Copernicus Sentinel-2 supports operational service on post-wildfire monitoring](#)
 - [Copernicus Sentinel-2 helps monitor coral reefs](#)
- Sentinel-2 videos and images have been published and are available [here](#).

Outlook

- Start of the geometry-refined production using the Global Reference Image (GRI) and Copernicus DEM at 90 m resolution by January 2021.