



Mission Status Report 169

Reference Period: 01-28 February 2021

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.
- Due to a couple of ground segment contingencies that occurred during the night between 8 and 9 February, the nominal availability of several Copernicus Sentinel-2A products from sensing orbit 29418 to 29432 and several Copernicus Sentinel-2B products from sensing orbit 20510 to 20523 was prevented, and recovered during the following days.
- As a consequence of a wrong calibration parameter in the ground segment activated in the night between 10 and 11 February, the Copernicus Sentinel-2A L1C and L2A production systematically failed up to the roll-back to the previous ground segment configuration finalised in mid-morning today. The impact is from Sentinel-2A sensing orbit 29457 to 29461. Products were recovered subsequently.
- A ground segment anomaly occurred on 21st February evening and resolved on 22nd February morning impacting the generation of several Copernicus Sentinel-2A products from sensing orbit 29608 to 29619 and several Copernicus Sentinel-2B products from sensing orbit 20701 to 20710. The recovery of the affected products was completed during the following week.
- Due to a new ground segment anomaly occurred on 22nd February evening and resolved on 23rd February morning, the generation of several Copernicus Sentinel-2A products from sensing orbit 29622 to 29630 and several Copernicus Sentinel-2B products from sensing orbit 20714 to 20722 was prevented. The recovery of the affected products is on-going.
- The following articles related to Sentinel-2 were published during the reporting period:
 - [Earth observation vital in monitoring wetland waters](#)
 - [Cloud-free crop maps foster sustainable farming](#)
 - [Is Brunt on the brink?](#)
- Sentinel-2 videos and images have been published and are available [here](#).
- ESA invites you to take part in the continuous improvement process by providing feedback related to your experience of accessing and using EO data and related information and services from the Copernicus Sentinel Missions during 2020. The [questionnaire](#) will remain online until 15 March 2021.

Outlook

- Start of the geometry-refined production using the Global Reference Image (GRI) and Copernicus DEM at 90 m resolution by Q1 2021.