



Mission Status Report 174

Reference Period: July 2021

sentinel-2

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Mission Status

- Despite the situation due to the COVID-19 pandemic, Sentinel-2 mission operations remained nominal.
- The mission is sensing systematically all land and water areas indicated [here](#), and the detailed mission acquisition plans are regularly published [here](#)
- The observation scenario has been optimised over the Maldives to cover all small islands and atolls that were not part of the mission baseline and removing an acquisition segment that was fully over water.
- An ad-hoc acquisition campaign has been started to provide an extended coverage over the Seychelles till March 2022 for supporting scientific studies aiming at better estimate the in-situ carbon stock in seagrass soils.
- Level-1C (top-of-atmosphere reflectance) and Level-2A (surface reflectance) products are available on [Copernicus Open Access Hub](#) and on [Data and Information Access Service \(DIAS\) platforms](#).
- A Sentinel-2A collision avoidance manoeuvre was executed on 27 June which affected the acquisitions around at 14:07 UTC.
- Information on data quality 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.
- Due to planned maintenance on 19 July for the Copernicus Sentinel-2 ground segment level, several L2A products were not generated but production was recovered during the following days. More details available [here](#).
- As a consequence of a Copernicus Sentinel-2A collision avoidance manoeuvre executed on 27th of June, several products have not been generated on sensing orbits 31409 and 31410.
- Multiple ground segment contingencies occurred between 3 - 5 July, preventing the generation of several Copernicus Sentinel-2 products. Missing products were recovered during the following days.
- The following articles related to Sentinel-2 were published during the reporting period:
 - [How can Copernicus Sentinel-2 aid in water mapping using artificial intelligence?](#)
 - [Dedicated space for Sentinel Success Stories](#)
- Sentinel-2 videos and images have been published and are available [here](#).
- Sentinel-2 remained in 2020 as the top European mission in terms of scientific peer-reviewed publications (1200 during 2020) and data volume distributed to users.

Outlook

- To extend the provision of geometrically refined products over all regions worldwide during Q3 2021.