

## Mission Status Report 154

Reference Period: 03 August - 04 October 2019

### Mission Status

- The Sentinel-2 mission is performing global and systematic acquisitions with 5-day revisit.
- The Sentinel-2 acquisition plans are published at:  
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- The observation scenario has been executed with an average MSI sensing time per orbit of 20.2 minutes for Sentinel-2A and 21.2 minutes for Sentinel-2B.
- Level-2A operational production is available worldwide since 13<sup>th</sup> of December 2018, and over the Euro-Mediterranean region since 26 of March 2018. Level-2A products are available on the Copernicus Open Access Hub, the Copernicus Services Data Hub and the Collaborative Data Hub.
- The routine production of Level-1C top-of-atmosphere products is available in all the Data Hubs.
- Since the 8<sup>th</sup> of July, the processing baselines was updated for the Level-1C and Level-2A, products since then are tagged 02.08 for L1C and 02.13 for L2A. See [here](#) for more information.
- The latest data quality information 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 consult the [news](#) page for the list of the single events.
- To date, a total of 270,379 users have self-registered on the Copernicus Open Access Hub.
- About 14 million products are available for download, cumulating a total volume of 7.2 Petabytes. Overall, a total volume of 61.7 Petabytes has been downloaded by the user communities from the Copernicus Open Access Hub, the Copernicus Services Data Hub, the Collaborative Data Hub and the International Hub.
- The rollout of the historical Sentinel-2 Level-1C on-line archive on the data hubs started gradually in September 2019. At the same time, the off-line archive retrieval service was activated on the hubs giving equivalent off-line access to the Sentinel-2 Level-1C rolled out products.
- Due to some contingencies on 1<sup>st</sup> of August at ground segment level, a list of products were removed from all Data Hubs and corresponding products will be regenerated and disseminated. More information [here](#).
- The nominal production of Copernicus Sentinel-2 data encountered a contingency preventing the production of about 30% of all new acquisitions between 30 September 09:54:50 UTC and 1 October 08:36:40 UTC.
- A routine decontamination activity of the Copernicus Sentinel-2A MSI took place between 09:00 UTC on 23 September and 09:00 UTC on 24 September.
- The space segment, with Sentinel-2A and -2B satellites, is in a stable and nominal state.
- The European Data Relay System (EDRS) service is being used operationally for both Sentinel-2A and Sentinel-2B.
- The Payload Data Ground Segment (PDGS) is operating nominally through its different operational services, i.e. Core Ground Stations (CGS), Processing and Archiving Centres (PAC), Mission Performance Centre (MPC), Precise Orbit Determination (POD), Payload Data Management Centre (PDMC), Wide Area Network (WAN) and Data Access Hubs.
- The following articles on Sentinel-2 were published during the reporting period:
  - ["Gran Canaria wildfire"](#), 21 August 2019
  - ["Raft of rubble"](#), 27 August 2019
  - ["Fires ravage the Amazon"](#), 27 August 2019
  - ["Australian bushfires"](#), 10 September 2019
  - ["Using Machine Learning for Rewilding"](#), 10 September 2019
  - ["Tracing the environmental impact of supply chains"](#), 11 September 2019

### Outlook

- The Sentinel-2 Level-2A on-demand service will start with an initial capacity available to Copernicus Services by Q4 2019.