

## sentinel-2

### Mission Status Report 130

Reference Period: 28 Apr - 11 May 2018

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#### Mission Status

- The Sentinel-2 mission is performing global and systematic acquisitions with 5-day revisit.
- The Sentinel-2 acquisition scenario is published at:  
<https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans>
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 19.9 minutes for Sentinel-2A and 20.4 minutes for Sentinel-2B.
- The routine production of Level-1C top-of-atmosphere products is available in all the Data Hubs.
- Level-2A operational production is available over Euro-Mediterranean region since 26<sup>th</sup> of March 2018). Level-2A products are available on the Copernicus Open Access Hub and the Copernicus Services Data Hub. More details are available on this [link](#).
- To date, a total of 150,085 users have self-registered on the Copernicus Open Access Hub.
- About 3.95 millions products are available for download, cumulating a total volume of 2.2 Petabytes. Overall, a total volume of 18.37 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 2017 Sentinel Data Access Annual Report has been published and is available [here](#). This report takes up from where the 2016 report left off, and analyses the uptake of Copernicus Sentinel data and the performance of the Sentinel Data Access System during the period 1 December 2016 to 30 November 2017.
- The latest data quality report is published at:  
<https://sentinels.copernicus.eu/webde/sentinel/missions/sentinel-2/data-quality-report>
- A routine decontamination activity of the Sentinel-2B MSI is planned to take place over a continuous period of 24-hours between 26 and 27 May, from 18:00 to 18:00 UTC (corresponding to the period between absolute orbits 6373 to 6387). During this temporal window, no MSI acquisition will take place. Correlated calibration activities will be performed around the decontamination period which will affect the nominal acquisition plan even further between 26 and 28 May from 07:00 to 09:30 UTC.
- The Flight Operations Segment (FOS), ensuring the monitoring, control and commanding of the satellites, is operating nominally.
- 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) and Wide Area Network (WAN).
- X-band data acquisitions are routinely performed by the PDGS over Matera, Maspalomas and Svalbard core stations. The acquired data is systematically processed to Level-0 and Level-1 products, circulated, and archived.
- The European Data Relay System (EDRS) service is being used operationally for both Sentinel-2A and Sentinel-2B.
- Due to a ground segment anomaly, the availability of Sentinel-2 products was delayed in the data hubs between 29 and 30 of April and between 5 and 7 of May. In both cases nominal flow was and missing products were fully recovered.
- A network anomaly of 44 minutes on 2<sup>nd</sup> of May made unreachable the Open Access Hub and the Copernicus Services Data Hub during that period of time, with no other consequences on software of nominal product flow.

#### Outlook

- 5<sup>th</sup> Sentinel-2 Quality Working Group (QWG) meeting at ESA/ESRIN premises on 12-13 June 2018.
- New batch of L1C product evolutions (e.g. tile sensing time, detectors footprint mask) by June 2018.
- Sentinel-2 Constellation Mission Operations Review with board meeting on 27 June 2018 at ESA/ESRIN premises.
- Copernicus Data and Information Access Services (DIAS) operational by June 2018.
- Start of Level-2A worldwide production by July 2018.
- Completion of the conversion of the archive into single-tile format by Q3 2018.
- Production of geometrically refined L1C products making use of the Global Reference Image (GRI) and an upgraded Digital Elevation Model (DEM) by Q1 2019.