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# sentinel-2

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## Mission Status Report 94 Reference Period: 24-30 June 2017

## **Mission Status**

- Access to the routine production of Sentinel-2A ortho-rectified Level-1C products and preoperational Level-2A products is available at https://scihub.copernicus.eu.
- The recovery of the last acquisition of 7<sup>th</sup> April has been completed and the corresponding products are available for download.
- To date, a total of 89,993 users have self-registered on the Sentinels Scientific Data Hub. About 1.16 million products are available for download, cumulating a total volume of 908 TB. Overall, a total volume of 8.3 Petabytes has been downloaded by the user communities from the Open Access Hub, the Copernicus Hub, the Collaborative GS Hub and the International Hub.
- The Sentinel-2 acquisition scenario is published at <u>https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/acquisition-plans</u>
- The data quality report is published at <u>https://sentinels.copernicus.eu/web/sentinel/missions/sentinel-2/data-quality-report</u>
- The acquisition scenario has been executed with an average MSI sensing time per orbit of 15.1 minutes for S2A and 10.2 minutes for S2B.
   Sentinel-2A is acquiring Europe, Africa and Greenland at 10 days revisit. The rest of the World is revisited every 20-day days. Full systematic 10-day revisit with Sentinel-2A everywhere will be reached once EDRS downlink becomes available operationally, assumed towards Q3-2017.

The acquisition scenario of Sentinel-2B is aiming at reaching by mid to end July 2017 the same pattern as Sentinel-2A. Together the two satellites will then achieve a 5-day revisit over Europe, Africa and Greenland and a 10-day revisit over the rest of the world.

- The Flight Operations Segment (FOS) ensuring the monitoring, control and commanding of the satellite is operating nominally.
- The status of both satellites is nominal.
- The activities of the EDRS-A / S2A OCP Commissioning Phase have been progressing nominally until 28<sup>th</sup> June, when an anomaly occurred on the Sentinel-2A OCP; the commissioning campaign was put on-hold while the anomaly is investigated.
- Sentinel-2B EDRS User Commissioning will start in Q3/2017.
- 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.
- Operations are nominally performed at the Processing and Archiving Centres and other PDGS operational services (i.e. Mission Performance Centre, Precise Orbit Determination, Wide Area Network).
- A call has been released for a special issue of RSE (Remote Sensing of Environment), for the topic of Science and Applications with Sentinel-2. Submissions are due by 30 September 2017. Please see the Elsevier page for details on the call:
- https://www.journals.elsevier.com/remote-sensing-of-environment/call-for-papers/scienceand-applications-with-sentinel-2

### Outlook

- Second step of final MMFU software update, will be executed together with the next MSI decontamination, planned between 7 and 9 July
- Investigations of the OCP anomaly of the 28<sup>th</sup> June, with a possible resume of the EDRS-A / S2A User Commissioning Phase.
- Opening of data access for Sentinel-2B, planned in the next reporting period.
  Access will be provided for a duration of ~3 months on a dedicated Hub infrastructure.
- An MSI decontamination and calibration activity will take place over the week-end between 7 and 9 July.