

Mission Status Report 44

Reference Period: 01-15 Aug. 2019

Mission Status

Overall

- The mission, in Phase E2 (Operations Phase) since 24th April 2018, has reached routine operations capacity at the beginning of March 2019.
- A change in the Copernicus Sentinel-5 Precursor operations scenario towards an increased spatial resolution, from 7.0 km to 5.5 km a-long track for all measurements, became operational on August 06. This new nominal operations scenario starts with orbit 9388.

Data availability and access

- Level 1B Radiance/Irradiance, Methane, Tropospheric Ozone (Offline); Carbon Monoxide, Formaldehyde, Nitrogen Dioxide, Sulphur Dioxide, Total Ozone, Aerosol Index and Cloud products (Offline and NRT) are available to the public via the Copernicus Sentinel-5 Precursor Data Hub – s5phub.copernicus.eu

Platform

- All platform subsystems performed nominally.

TROPOMI Payload

- The TROPOMI instrument continues measuring in nominal operations baseline with a 360 orbit repeat cycle.

Ground Segment

- The status of both FOS and PDGS has been nominal. Routine scheduling, acquisition, processing and dissemination tasks were performed without major anomalies.
- Orbits 9410 (30%) and 9411 (70%) were lost due to acquisition errors.

Level 1B / Level 2 processors

- Version 2.0 of the L2 UPAS processor has been delivered by DLR to the PDGS on 9th August for operational implementation.

Cal/Val Activities

- The routine validation activities continued nominally for the publicly released products.

Outlook

- It is planned to release the Aerosol Layer Height product to the public within the coming month.

sentinel-5p

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