

Mission Status Report 45

Reference Period: 16-31 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.

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 and since 6th August 2019 with a spatial resolution of 5.5 km along-track and 3.5 km across-track.

Ground Segment

- The status of both FOS and PDGS has been nominal. Routine scheduling, acquisition, processing and dissemination tasks were performed without major anomalies.
- Few orbits have been affected (missing) by a network outage at the Inuvik station on 22nd August: orbits 9619 (30%) and 9620 (70%); orbits 9622 to 9626 (in percentages between 2% and 8%).

Level 1B / Level 2 processors

- A patch for the Version 2.0 of the L2 UPAS processor will be delivered by DLR to the PDGS during the first week of September.

Cal/Val Activities

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

Outlook

- The Aerosol Layer Height product will be released to the public until the end of September.

sentinel-5p

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