

Mission Status Report 49

Reference Period: 16-31 Oct. 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, Aerosol Layer Height 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.
- Parts of the orbits 10461 (20%) and 10462 (70%) were lost due to an acquisition problem.

Level 1B / Level 2 processors

- It is planned that DLR and KNMI will deliver new Level 2 processors (version 2.1) to ESA for implementation into the PDGS until 15th December 2019.
- It is planned that the Diagnostic Data Set (DDS) for the verification/validation of the new Level 1 processor (version 2) will be generated by the PDGS until 15th November 2019.

Cal/Val Activities

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

Outlook

- The next Sentinel-5P Validation Team (S5PVT) meeting will take place at ESRIN on Nov. 11-14:
<https://nikal.eventsair.com/QuickEventWebsitePortal/sentinel-5-precursor-workshop-2019/sentinel-5p>

sentinel-5p

→ GLOBAL AIR MONITORING
FOR COPERNICUS

