

Mission Status Report 61

Reference Period: 16-30 Apr. 2020

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 Absorbing 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 about 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.

Level 1B / Level 2 processors

- Few problems have been discovered in the recently delivered UPAS Level 2 processor version 02.01.01 during PDGS integration tests. A new version of this processor will be delivered to PDGS within May 2020.

Cal/Val Activities

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

Outlook

- It is planned to activate new versions of the KNMI and UPAS L2 processors within the PDGS during Summer 2020 (postponed due to the current COVID-19 situation).
- The Copernicus Sentinel-5P Yearly Mission Review Meeting will take place on 13th May via teleconference.

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