

Mission Status Report 30

Reference Period: 01-15 Jan. 2019

Mission Status

Overall

- The mission is in Phase E2 (Operations Phase), which has started on 24th April with the so-called “ramp-up” phase. In this period, the Payload Data Ground Segment (PDGS) services will be gradually improved to reach full operations capacity.

Data availability and access

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

Platform

- All platform subsystems performed nominally.

TROPOMI Payload

- The TROPOMI instrument continues measuring in nominal operations baseline with the 360 orbit repeat cycle started on 30th April 2018.

Ground Segment

- The status of both FOS and PDGS has been nominal. Routine scheduling, acquisition and processing tasks were performed without major anomalies.

Level 1B / Level 2 processors

- An updated version of the Level 2 processors from KNMI (01.03.00) is being prepared for implementation into the PDGS during February/March 2019.
- Reprocessing of Methane products has started on 13th December 2018 and will be finished by 18th January 2019.

Cal/Val Activities

- Tropospheric Ozone and Methane geophysical validation activities are ongoing and the validation meeting to assess their uncertainty characterisation is planned to take place on 20th February 2019.

Outlook

- It is planned to release the Tropospheric Ozone and Methane products to the public within February 2019.

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