

Mission Status Report 33

Reference Period: 16-28 Feb. 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 have been 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, processing and dissemination tasks were performed without major anomalies.

Level 1B / Level 2 processors

- The updated version of the Level 2 processors from KNMI (V01.03.00) with improved algorithm for the Aerosol Layer Height (still to be released to the public) and the Nitrogen Dioxide products, will be deployed in the PDGS by the end of March 2019.

Cal/Val Activities

- The validation meeting to assess the uncertainty characterisation of the Tropospheric Ozone and Methane products was held on 20th February 2019. It was shown that the uncertainties of these two products are compliant with the mission requirements and therefore the products are ready for public release.

Outlook

- It is planned to release the Tropospheric Ozone and Methane products to the public on 1st March 2019.
- The Routine Operations Readiness Review (RORR) meeting will take place on 5th March 2019 and will mark the end of the “ramp-up” phase.

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