

Mission Status Report 41

Reference Period: 16-30 Jun. 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 the 360 orbit repeat cycle started on 30th April 2018.

Ground Segment

- The performance of the FOS and PDGS has been nominal. Routine scheduling, acquisition, processing and dissemination tasks were performed without major anomalies.
- The Near Real Time production of orbit 8800 – 8807 have not been made available to users due to a problem in PDGS dissemination facility. The Offline production was not affected.

Level 1B / Level 2 processors

- The updated Level 2 processor (to use the Offline CO processing algorithm also within the NRT processing chain) was delivered by KNMI on 28th May and has been integrated into the PDGS.

Cal/Val Activities

- The Aerosol Layer Height product validation meeting took place on 24th June and it was decided to release the product to the public.

Outlook

- The new KNMI Level 2 processor (to use the Offline CO processing algorithm also within the NRTI chain) will be switched into operations until July 03.

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