

## Mission Status Report 40

Reference Period: 01-15 Jun. 2019

### Mission Status

#### Overall

- The mission, in Phase E2 (Operations Phase) since 24<sup>th</sup> 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](https://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 30<sup>th</sup> 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.
- 30% of orbit 8612 was lost due to acquisition errors.

#### Level 1B / Level 2 processors

- The updated Level 2 processor (to use the Offline Carbon Monoxide processing algorithm within the NRT chain as well) was delivered by KNMI on 28<sup>th</sup> May. It is currently being integrated into the PDGS.

#### Cal/Val Activities

- Validation activities on the Aerosol Layer Height product are on-going.

#### Outlook

- The Aerosol Layer Height product validation meeting is taking place on 24<sup>th</sup> June to decide about its public release.

## sentinel-5p

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