

## Mission Status Report 48

Reference Period: 01-15 Oct. 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, 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](https://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 6<sup>th</sup> August 2019 with a spatial resolution of 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.
- The data products dissemination to the On-line Data Archive (ODA) was interrupted from 14<sup>th</sup> October ca. 13:00 to 15<sup>th</sup> October ca.14:00 due to a Copernicus firewall issue.

#### Level 1B / Level 2 processors

- The generation of the Diagnostic Data Set (DDS) for verification/validation of the L2 Version 2.0 data will be stopped due to a problem found in the VIIRS cloud data affecting all processor chains.
- The third Copernicus Sentinel-5 Precursor Quality Working Group (QWG) meeting took place on 10-11 October at DLR premises, with the aim of discussing the processor algorithm evolutions.

#### Cal/Val Activities

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

#### Outlook

- The planning/schedule for the new L1B and L2 processors version 2.0 will be re-arranged within the next month.
- The next Sentinel-5P Validation Team (S5PVT) meeting is planned mid Nov. 2019 at ESRIN - <https://nikal.eventsair.com/QuickEventWebsitePortal/sentinel-5-precursor-workshop-2019/sentinel-5p>

sentinel-5p

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