



## **Mission Status Report 62**

**Reference Period: 01-15 May 2020**

**sentinel-5p**

**→ GLOBAL AIR MONITORING  
FOR COPERNICUS**

### **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.
- The Copernicus Sentinel-5P Yearly Mission Review Meeting took place on 13<sup>th</sup> May via teleconference.

#### **Data availability and access**

- Level 1B Radiance/Irradiance, Methane, Tropospheric Ozone (Offline); Carbon Monoxide, Formaldehyde, Nitrogen Dioxide, Sulphur Dioxide, Total Ozone, Aerosol Absorbing 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 about 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.
- On 5<sup>th</sup> May parts of the orbits 13269 (30%) and 13270 (35%) were lost due to acquisition problems.

#### **Level 1B / Level 2 processors**

- A new version of the DLR/UPAS L2 processor was delivered to PDGS on 5<sup>th</sup> May. The generation of the Diagnostic Data Set (DDS) for verification/validation of this processor has started and is expected to finish until the end of May.

#### **Cal/Val Activities**

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

#### **Outlook**

- It is planned to activate new versions of the KNMI and DLR/UPAS L2 processors within the PDGS during summer 2020 (postponed due to the current COVID-19 situation).

