

## Mission Status Report 57

Reference Period: 16-29 Feb. 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.

#### 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 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.
- Some orbits are partially missing on 28<sup>th</sup> February due to acquisition problems: 12312 (50%), 12313 (10%).
- Few orbits were not disseminated in NRTI (but are available in OFFL) due to acquisition problems on 29<sup>th</sup> February: 12325 (20%), 12326 (100%), 12327 (100%), 12328 (15%).

#### Level 1B / Level 2 processors

- A new version of the UPAS Level 2 processor (02.01.01) including few bugs fixes will be delivered to PDGS within the second quarter of 2020.

#### Cal/Val Activities

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

#### Outlook

- A new release of the PDGS will be performed until end of March 2020, including the operational switch to the RAL processor that handles new S-NPP cloud input data.

