



Mission Status Report 84

Reference Period: 01-15 Apr. 2021

sentinel-5p

→ GLOBAL AIR MONITORING
FOR COPERNICUS

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. Routine operations have not been affected by COVID-19.

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

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 6th 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 (Flight Operations Segment) and PDGS (Payload Data Ground Segment) has been nominal. Routine scheduling, acquisition, processing and dissemination tasks were performed without major anomalies.
- On 13th April, some orbits were affected by acquisition problems leading to data loss in variable percentages: orbits 18127 (20%), 18128 (100%), 18129 (100%), 18130 (75%).

Level 1B / Level 2 processors

- The updated processors Level 1B version 2, Level 2 version 2.2 and RAL-NPP version 1.3 are foreseen to be implemented into the PDGS until early June 2021.

Cal/Val Activities

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

Outlook

- The PDGS and Mission Performance Centre (MPC) teams are working towards the milestone of June 2021, when new L1 and L2 processors will be released.

