

Mission Status Report 50

Reference Period: 01-15 Nov. 2019

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.

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

Platform

- All platform subsystems performed nominally.

TROPOMI Payload

- The TROPOMI instrument continues measuring in nominal operations baseline with the 360 orbit repeat cycle and since 6th 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.
- Orbits 10637 (10%) - 10638 (80%) on 2nd November, and orbits 10782 (20%) – 10783 (100%) – 10784 (100%) on 12th November were lost due to acquisition problems.

Level 1B / Level 2 processors

- It is planned that DLR and KNMI will deliver new Level 2 processors (version 2.1) to ESA for implementation into the PDGS until 15th December 2019.

Cal/Val Activities

- The Sentinel-5P Validation Team (S5PVT) meeting took place on 11-14 November 2019 at ESRIN - the 100 participants included international representatives from e.g. NASA, NOAA, JAXA, University of Toronto, Chinese University of Mining and Technology, Yonsei and Ewha Womans University Korea, GHGSat, USA Universities Space Research Association ...
<https://nikal.eventsair.com/QuickEventWebsitePortal/sentinel-5-precursor-workshop-2019/sentinel-5p>
- The routine validation activities continued nominally for the publicly released products.

Outlook

- The Copernicus Sentinel-5 Precursor Satellite In Orbit Performance (SIOP) meeting will take place on 21st-22nd November 2019 in Stevenage (Airbus UK).

sentinel-5p

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