

# sentinel-1

## Mission Status Report 35

Reference Period: 2 December 2014 – 8 December 2014

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### Mission status

- The Sentinel-1A operational qualification phase is on-going
- The opening of the Sentinel-1 data flow to all users took place on 3<sup>rd</sup> October. Data can be accessed from: <https://sentinel.esa.int>
- The initial ramp-up observation scenario is being implemented, including in particular coverage of a first set of Copernicus Services areas of interest, of European land and coastal waters, of a set of tectonic/volcanic areas, as well as of other specific targets worldwide for various applications. See an overview at: <https://sentinel.esa.int/web/sentinel/missions/sentinel-1/observation-scenario>
- The use of Sentinel-1A data by the pre-operational precursor of the Copernicus Marine Environment Monitoring Service MyOcean for sea-ice and iceberg monitoring activities is on-going
- Sentinel-1A responded to an activation on 4 December from the International Charter Space and Major Disasters related to the Typhoon Hagupit in the Philippines, with the provision of several level 1 images
- The Sentinel-1A spacecraft is in a stable state, operating in Nominal Mission Mode (NMM), with all sub-systems working on prime units
- The inter-orbit link communication phase campaign between the Sentinel-1A OCP and the Alphasat TDP-1 payload has been successfully completed
- X-Band data acquisitions are routinely performed over Matera and Svalbard stations. Acquired data are circulated within the PDGS, systematically processed to Level-0 and Level-1 products and archived
- The gradual integration of the Maspalomas X-band core station and of the DLR Processing and Archiving Centre into Sentinel-1 operations is on-going and planned to be completed in December
- Sentinel-1 operational products qualification is being pursued as planned
- The distribution of generated SAR SM, IW and EW L0 & L1 user products is on-going. The regular products flow is available for download by any user. By 4 December:
  - A total of 3877 users have self-registered
  - Since the opening of the regular data flow on 3 October:
    - 6750 products have been made available for download
    - 43489 product download have been made by users, corresponding to about 76 TB of data
- A maintenance on the Sentinel “Scientific/Other use” data hub (<http://scihub.esa.int>) took place from 5 to 8 December, for the installation of a new major release of the rolling archive software, allowing improved performance and functionalities – more information at: <https://scihub.esa.int/news/News00011>
- The overall operations mission performance is nominal

### Outlook

- Continuation of ramp-up mission operations

