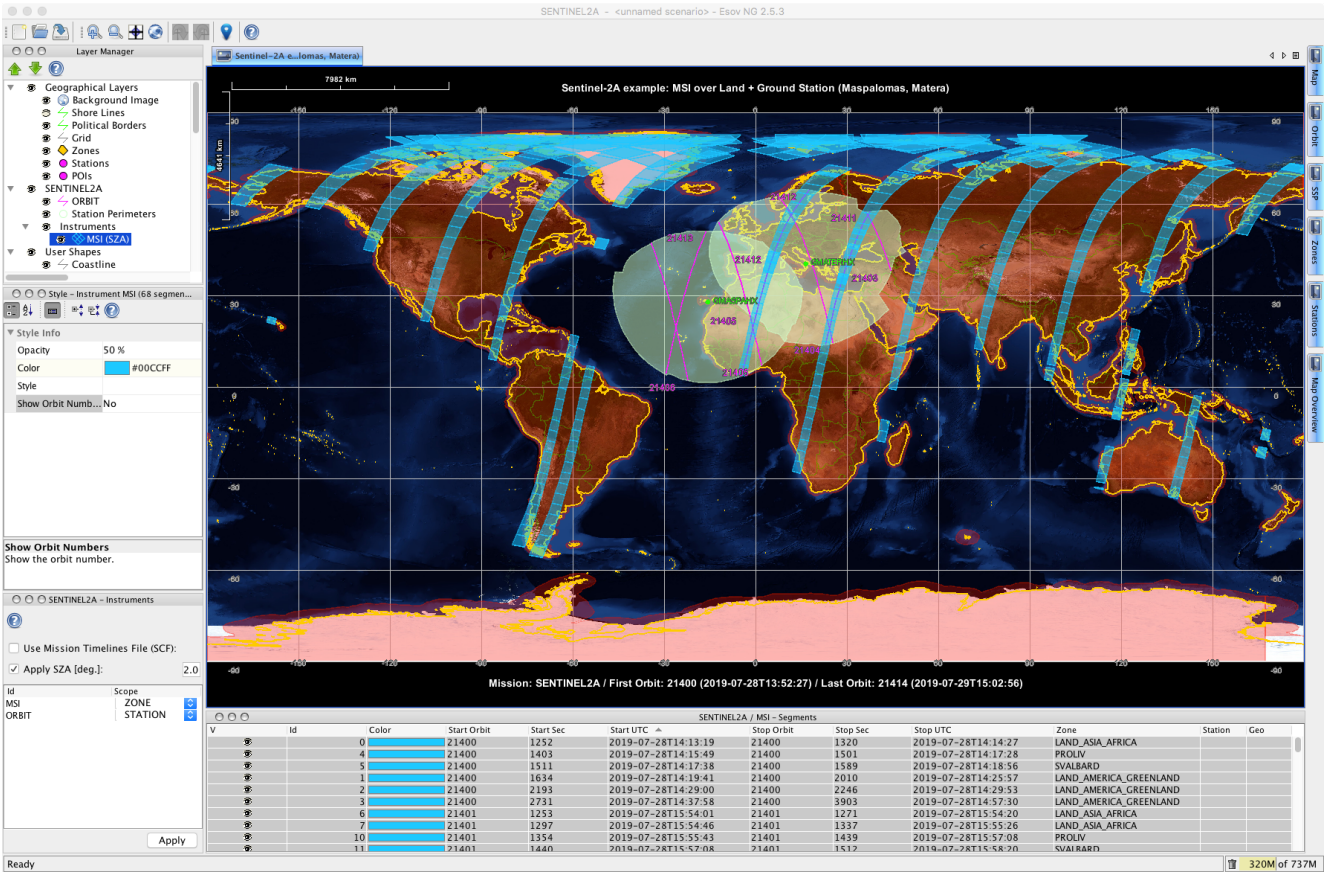
ESOV NG v2.6.7

Release Notes



What's new

This release implements the following changes with respect to ESOV NG v2.6.5 released on 26 October 2022:

New Features

- Added support for Predicted / Restituted orbit files compliant with Ground Segment File Format Standard v3.0 (ESOVNG-AN-496)
- Calculation of the duration of the time segments added to Segments panel and output export files (UTF, LLF) (ESOVNG-AN-500)

- Support for new format for Limb Geometry swath definition files (ESOVNG-AN-511)
- Rename the title of the first column in the Segment panel ('Visible') (ESOVNG-AN-517)

Software Aspects

- Used install4j 9.0.6 to generate the installer package

Bug Fixes

- Station / Zone List files not saved correctly: Number of stations / zones is always one less (e.g. if 1 station/zone added to the list, the saved file contains no stations/zones) (ESOVNG-AN-508)
- When using Predicted/Restituted orbit files, apply by default 'Swath Update Interval (orbits): 1" (ESOVNG-AN-513)
- Updated URL to check for mission files updates to solve access issue "It was not possible to read the server file" (ESOVNG-AN-522)

Documentation

No documentation updates in this release

Available Platforms

ESOV NG is available for Linux 64-bit, Mac OS X and Windows 64-bit:

	Distribution Package
Linux 64-bit	EsovNG_linux64_2_6_7.sh
Mac OS X	EsovNG_macintel64_2_6_7.dmg
Windows 64-bit	EsovNG_windows-x64_2_6_7.exe

Mission Support

The ESOV NG distribution package includes mission configuration files for the following operational satellite missions:

- Cryosat-2
- MetOp-A/B/C
- Sentinel-1A/B
- Sentinel-2A/B
- Sentinel-3A/B
- Sentinel-5P
- Sentinel-6A
- SMOS
- Swarm A/B/C

The ESOV NG distribution package includes mission configuration files for the following historical satellite missions:

- Aeolus
- Envisat
- ERS-1/2

The ESOV NG distribution package includes example mission configuration files for the following not yet operational satellite missions:

- Biomass
- CHIME
- CIMR
- CO2M
- CRISTAL
- EarthCARE
- FLEX
- LSTM
- MetOp-SG-A
- MetOp-SG-B
- ROSE-L
- TRUTHS

In addition, an example ‘dummy’ mission (SAT_EXAMPLE) is provided to illustrate how to add new satellites to Esov NG. See Section 19.2 in the User Manual / embedded Help for further information.

Latest versions of

- Satellite Identification files (.idf)

- Orbit files , e.g. Orbit Scenario Files (ORBSCT), Predicted Orbit Files (ORBPRE)
- Swath Definition Files (SDF)

for the supported missions can be downloaded at start-up or by triggering the check for new mission updates menu option (“Help —> Check for new mission files”)

Alternatively, Orbit Scenario Files (OSF) or Predicted Orbit Files (POF), and Swath Definition Files (SDF) for the supported missions can be found in the EOP System Support web server under the link:
MISSION_DATA

Known Problems

The current ESOV NG release has the following open issues:

- Java exception when clicking on year in Date Widget (Start/Stop Time). Workaround: date textbook can be edited (ESOVNG-AN-379)
- Zone not properly filled if zone style ‘Filled’ is enabled and zoom is applied (e.g. zones EURASIA, AFRICA) (ESOVNG-AN-400)
- Distortion over the Poles in Rectangular projection for very-wide swaths (e.g. Sentinel-5P, TROPOMI instrument) (ESOVNG-AN-401)
- Ubuntu Linux distribution: Error in PARAMETER: Parameter "scale_factor" was not expected. (org.opengis.referencing.FactoryException)". (ESOVNG-AN-519)

Further Information

For more details, please have a look to the ESOV NG User Manual:
ESOVNG User Manual v2.6.4

Contact

For questions, suggestions or reporting issues, please send an e-mail to the ESOV NG Helpdesk:

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