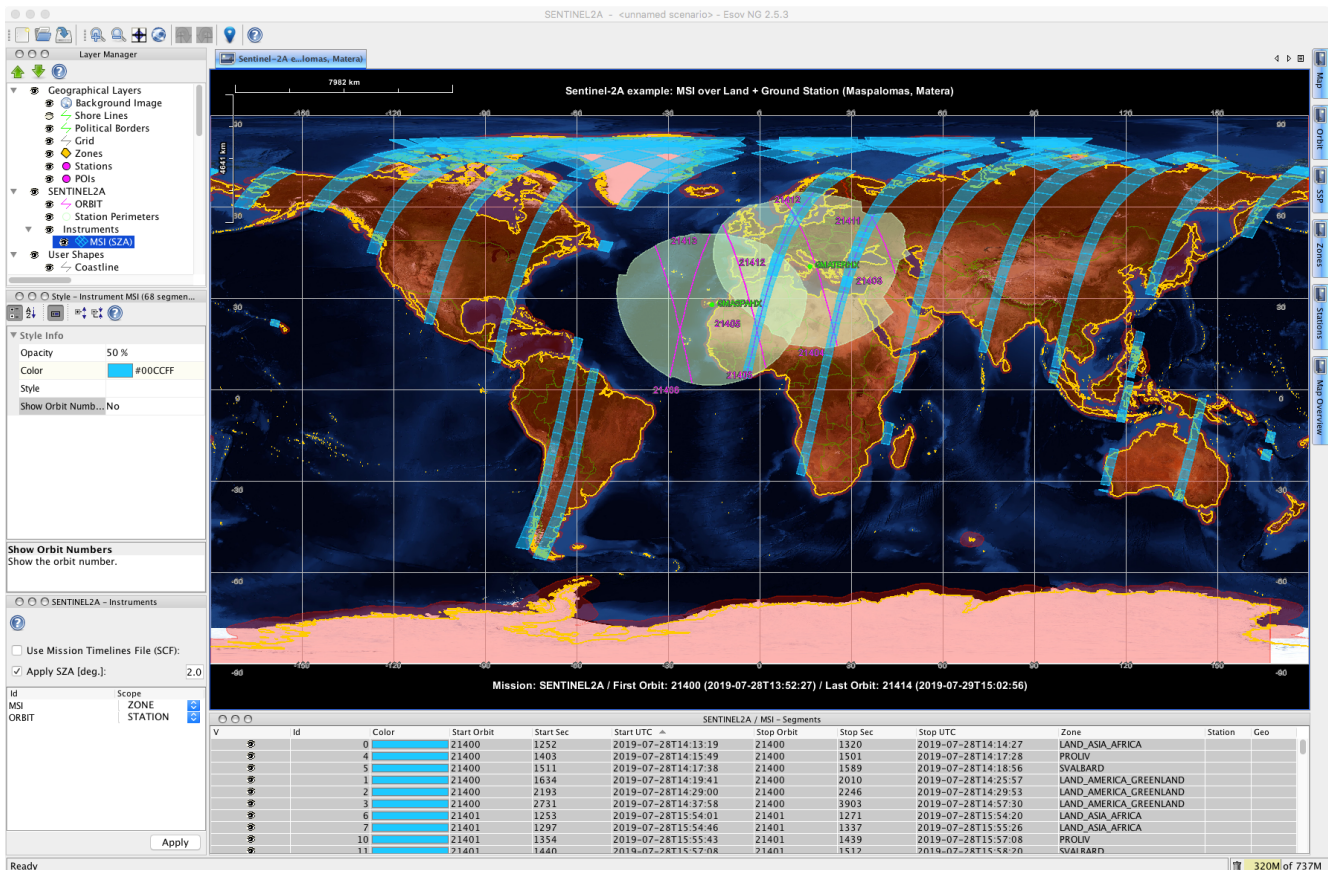# ESOV NG v2.5.3

Release Notes

What's new

This release implements the following changes with respect to ESOV NG v2.5.2 released on 21 March 2019:

New Features

- Latest mission files (e.g. satellite configuration and orbit files) can be downloaded by using the option in "Help —> Check for new mission files" (ESOVNG-AN-394)

Bug Fixes

- Made resizable the columns with the list of points defining a zone in Zone Database Editor (ESOVNG-AN-422)
- Correct tooltip text for POF/ROF and TLE selection icon in orbit window (ESOVNG-AN-461)

Documentation

- New issue of the User Manual
- Embedded Help content updated as per User Manual

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_5_3.sh
Mac OS X	EsovNG_macintel64_2_5_3.dmg
Windows 64-bit	EsovNG_windows-x64_2_5_3.exe

Mission Support

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

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

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

- Biomass
- EarthCARE

- FLEX
- MetOp-SG-A
- MetOp-SG-B
- Sentinel-6
- Seosat

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

Starting with this release, latest versions of
- Satellite Identification files (.idf)
- Orbit files , e.g. Orbit Scenario Files (OSF), Predicted Orbit Files (POF)
- Swath Definition Files (SDF)
for the supported missions can be downloaded by triggering the check for new mission updates menu option ("Help —> Check for new mission files")

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)

- Predicted Orbit File validity calculated in Orbit panel does not cover the complete file, e.g. for Aeolus ORBPRE [start_orbit+1, stop_orbit-1], for Sentinel-1 ORBPRE [start_orbit, stop_orbit-1] (ESOVNG-AN-449)

- Segments in Swath Timeline File (SCF) export generated with a given predicted/restituted/TLE orbit file are not correctly placed/timed when loaded again in the application through the 'Use Mission Timelines file (SCF)' option (ESOVNG-AN-451)

Further Information

For more details, please have a look to the ESOV NG User Manual:
http://eop-cfi.esa.int/Repo/PUBLIC/DOCUMENTATION/APPLICATIONS/
ESOVNG/esov-sum-2.5.3.pdf

Contact

For questions, suggestions or reporting issues, please send an e-mail to the
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