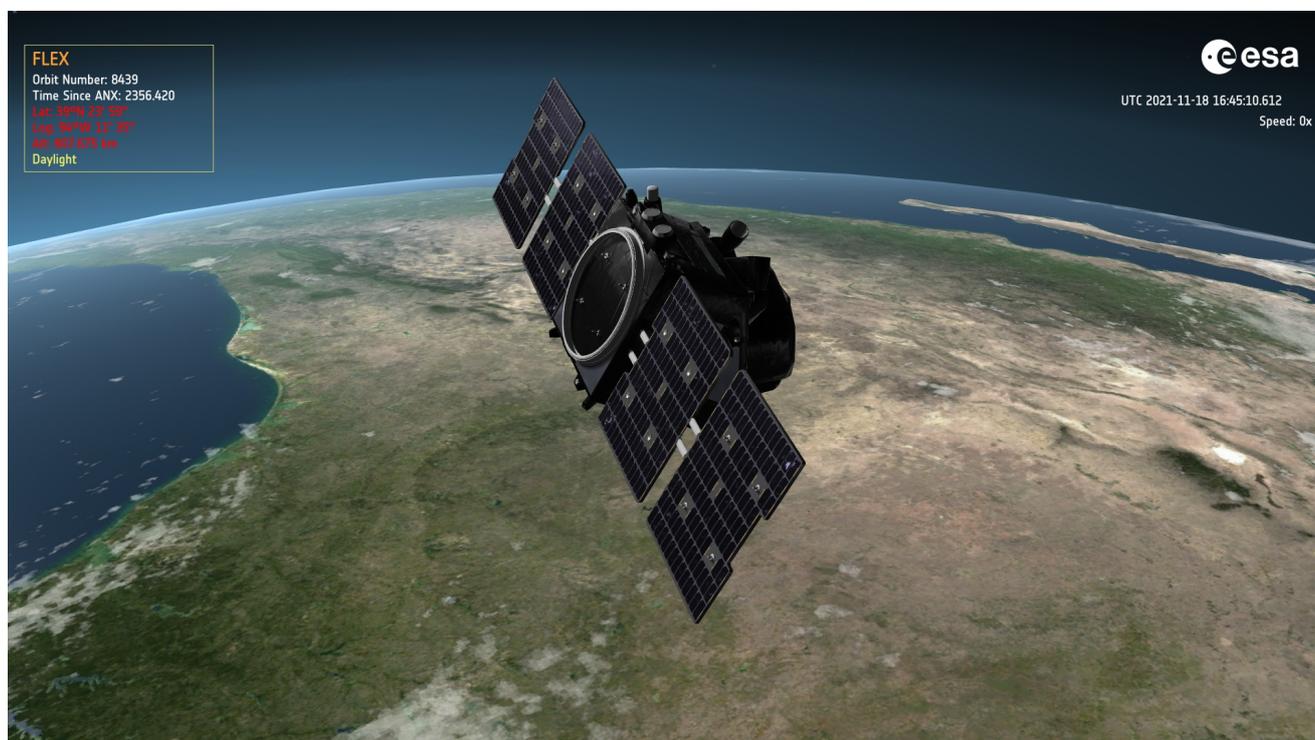


# SAMIEdit v1.4.2.2

## Release Notes



### What's new

This release implements the following changes with respect to SAMIEdit v1.4.0.6 released on 03 Jan 2021:

### New Features

- Satellite model and mission configuration files for FLEX
- New SAMI distribution for Linux 64-bit
- New file LEAP\_SECONDS.EOF to retrieve TAI-UTC time correlation information
- Generic mechanism to schedule and manually trigger animations of satellite parts

- Look Through Camera: It is possible to invert the point-of-view (e.g. new from satellite to Sun can be inverted to display the view from Sun to satellite)
- Improved style of perimeter line delimiting Ground Station visibility

## Bug Fixes

- Video export for macOS gives sometimes an error message if selected resolution is different from window resolution (SAMI-AN-145)

## Software Aspects

- Porting to Metal API for Apple devices (macOS, iOS)

## Known Problems

- Artefact when satellites flying together in formation affecting the satellites not being the target camera (SAMI-AN-146)
- It is not possible to disable the UI overlay or set transparent background when exporting images / videos (SAMI-AN-149)

## Available Platforms

SAMIEdit is available for Mac OS X, Windows 64-bit, Linux 64-bit and iOS (iPad):

	Distribution Package
Mac OS X	SAMIEdit_1_4_2_2.dmg
Windows 64-bit	SAMIEdit_1_4_2_2_Win_x64.zip
Linux 64-bit	SAMIEdit_1_4_2_2_Linux_x64.zip
iOS (iPad)	Pending availability in the App Store

## Mission Support

The SAMIEdit distribution package includes 3D models and mission configuration files for the following ESA missions:

- Aeolus
- CHEOPS
- Cryosat-2
- EarthCARE
- FLEX
- MetOp-SG A/B
- Sentinel-1A/B
- Sentinel-2A/B
- Sentinel-3A/B
- Sentinel-5P
- Sentinel-6
- Seosat
- SMOS
- Swarm A/B/C

In addition, a “Dummy” satellite model is provided, which can be used to define additional missions. See Section “Adding User-Defined Missions“ in SAMIEdit Quick Start Guide for further information.

Example projects are provided for all missions.

Latest versions of

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

for the supported missions can be downloaded by triggering the check for new mission updates menu option (“Application —> Check for updates”)

Please note that example projects will have to be edited (“Satellites” —> “MISSION\_NAME” —> “Edit Satellite”) to select and load the updated orbit and attitude files.

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

[MISSION DATA](#)

## Further Information

For more details, please have a look to the SAMIEdit Quick Start Guide: [SAMIEdit Quick Start Guide Desktop v1\\_4\\_2\\_2.pdf](#)

## Contact

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

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