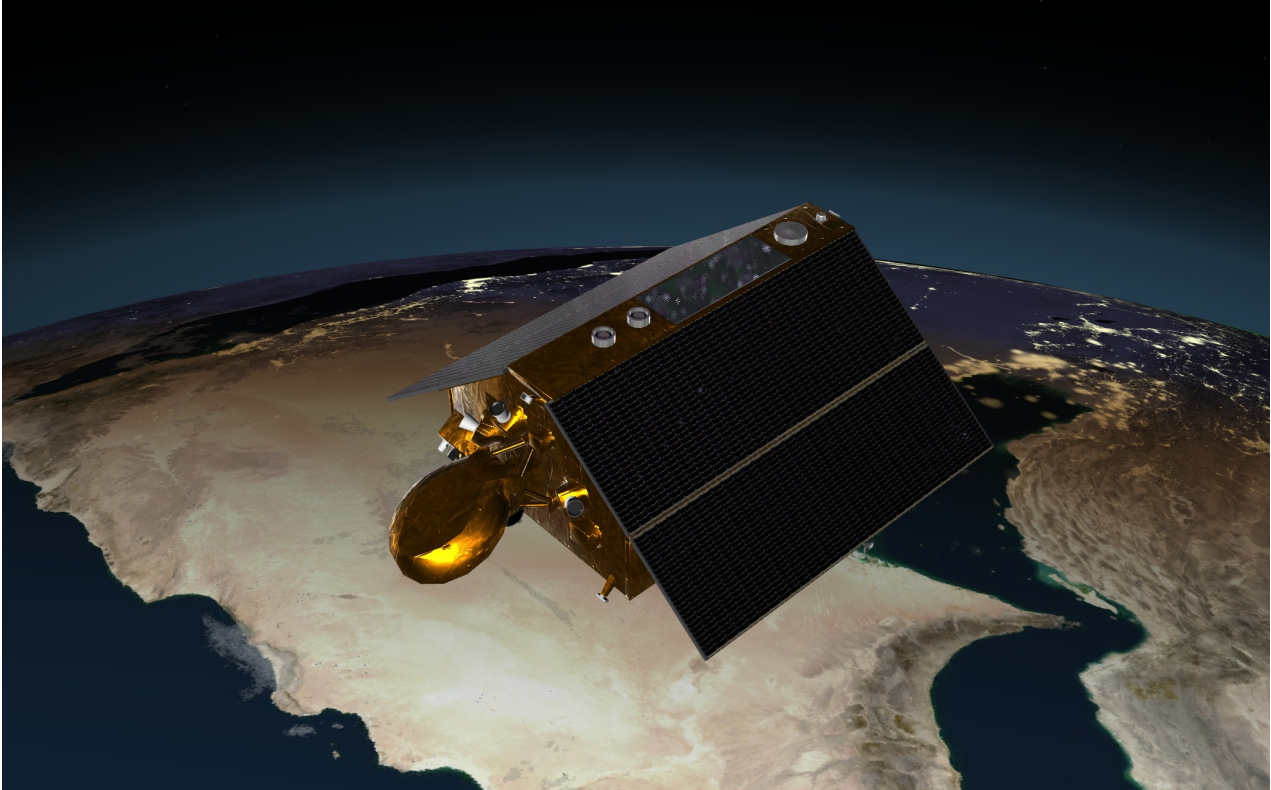# SAMIEdit v1.3.5.2

Release Notes

What's new

This release implements the following changes with respect to SAMIEdit v1.3.4 released on 4 December 2019:

New Features

- Integration of the following new satellite models with example mission files:
  - SEOSAT
- Updates on the following existing satellite models:
  - EarthCARE
  - Sentinel-6
- Time block improvements:
  - Option to add multiple time blocks in a timeline with a given repetition pattern (e.g. change camera view every N minutes, set each camera view during M minutes, covering the whole project time window)

- It is possible to clear all blocks in a timeline with the 'Clear Line' contextual menu
- A time block can be set to begin/end of project time window by clicking Project Start / Project End / Whole Project buttons

- The display of Sun and Moon ray directions can be enabled / disabled through the camera menu

- Several parameters can be tuned or customised through the application configuration file Config.xml:
  - Sizes and colours of billboards for ground station and satellites
  - Width and colour of sunlight / moon direction rays
  - Average brightness factor of satellite model during daylight and eclipse
  - Default folder location for exported images and movies
  - Camera mode at start-up (default: Manual)

- Animations are now triggered through contextual menu (right-click) on 3D satellite part

- Up-to-date mission configuration files and example projects

Bug Fixes

- Text overlay info (seconds since ANX, orbit number) does not handle properly leading zeroes (SAMI-AN-124)
- Reset of history tracks (ground-track, orbit, swath) induces graphical artefacts under certain circumstances (SAMI-AN-131)
- Drop-down menu items present a spurious disabled state under certain circumstances (SAMI-AN-132)
- The creation / edition of a satellite thrusters timeline blocks behaves incorrectly (SAMI-AN-133)

Known Problems

- Cannot select Earth texture when adding time blocks to the timeline (SAMI-AN-136)

Available Platforms

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

	Distribution Package
Mac OS X	SAMIEdit_1_3_5_2.dmg
Windows 64-bit	SAMIEdit_1_3_5_2_Win_x64.zip
iOS (iPad)	This version is not available in the App Store. Latest version available is 1.3.0.21

Mission Support

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

- Aeolus
- CHEOPS
- Cryosat-2
- EarthCARE
- 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.

Example projects are provided for all missions.

Latest versions of 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_3_5_2.pdf

Contact

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

sami@eopp.esa.int