SAMIEdit - Getting Started Adding a new satellite

EARTH OBSERVATION SYSTEM SUPPORT

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SAMIEdit: Adding New Satellite - Overview





- User-defined satellites can be configured in SAMIEdit provided that, at least, the following mission input files are available:
 - * Orbit File (see Slide X)
 - * Attitude File (see Slide X)
 - * Instrument Swath Definition File (optional, it is not required if only the satellite /orbit ground-track is going to be displayed)
- About the satellite model, currently it is not possible to plug your own model, so the following options are possible:
 - * Use the DUMMY satellite model
 - * Re-use an existing satellite model (e.g. SENTINEL2)

Practically, it means that the mission files of the new satellite need to be in a subfolder contained in the DUMMY folder or e.g the SENTINEL2 folder

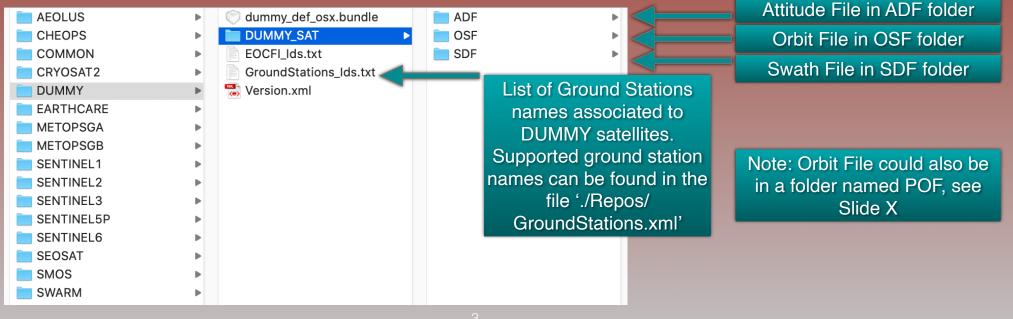
SAMIEdit: Adding New Satellite - Input Files



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The Dummy satellite example is provided to illustrate how to add satellite missions other than the default ones provided with the application

- * The DUMMY 3D model is not representative of any mission
- * The DUMMY folder structure shows how configure and display the satellite orbit, attitude and instrument swaths



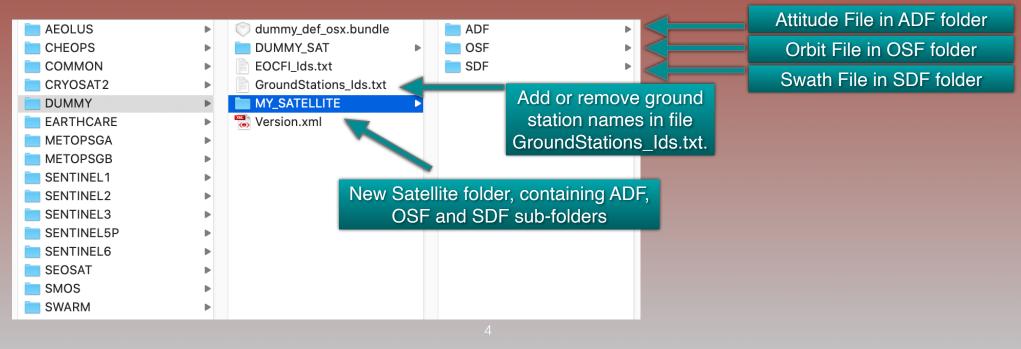
SAMIEdit: Adding New Satellite - Copy Satellite Files





Create a mission folder in './Repos/Satellites/DUMMY/' with the name of your mission, e.g. MY_SATELLITE

*Duplicating and renaming the DUMMY_SAT folder could be a starting point *Orbit, attitude and swath files can be either modified or new files copied into the repective folders

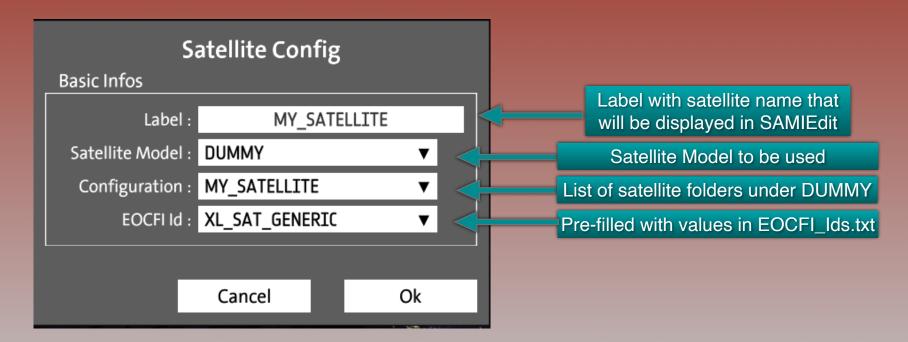


SAMIEdit: Adding New Satellite - Add Satellite



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Go to menu item Satellites —> Add Satellite, select DUMMY as Satellite Model and then in Configuration select MY_SATELLITE

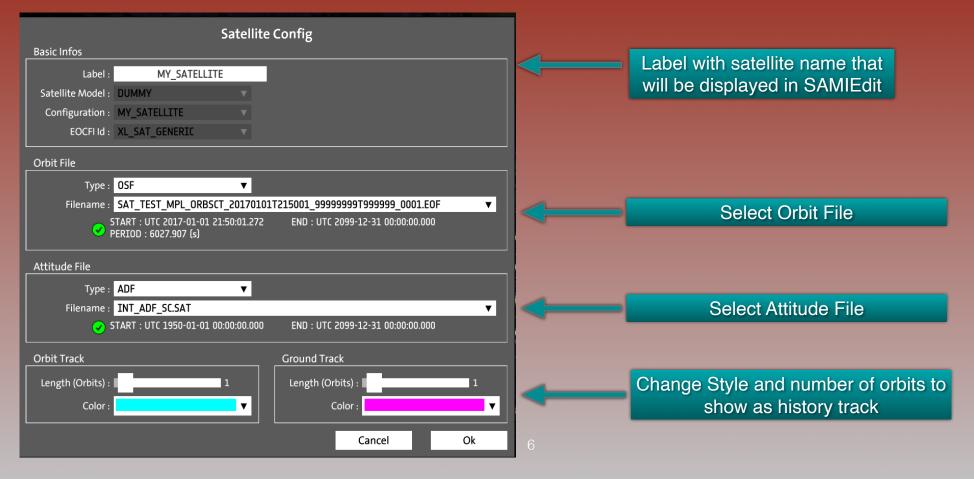


SAMIEdit: Adding New Satellite - Edit Satellite



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Edit the Satellite to select the orbit and attitude files

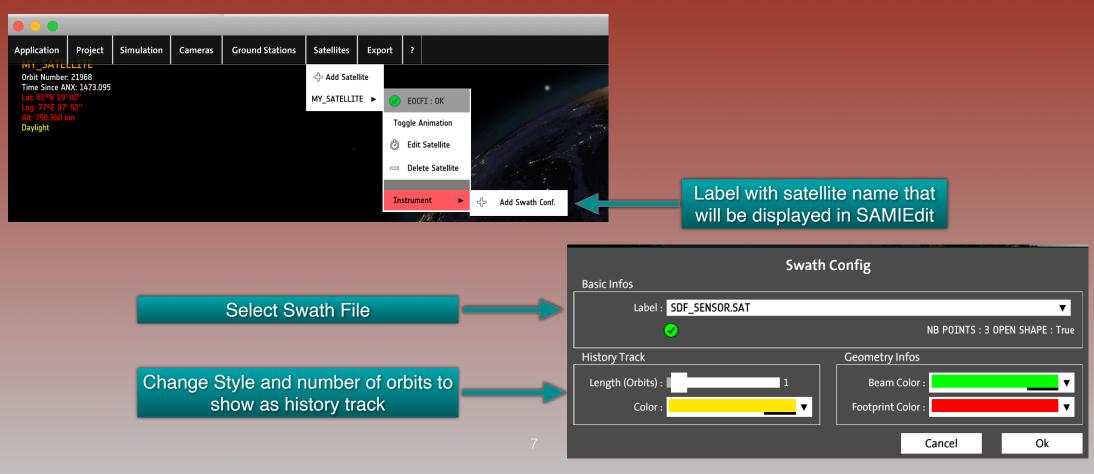


SAMIEdit: Adding New Satellite - Add Swath



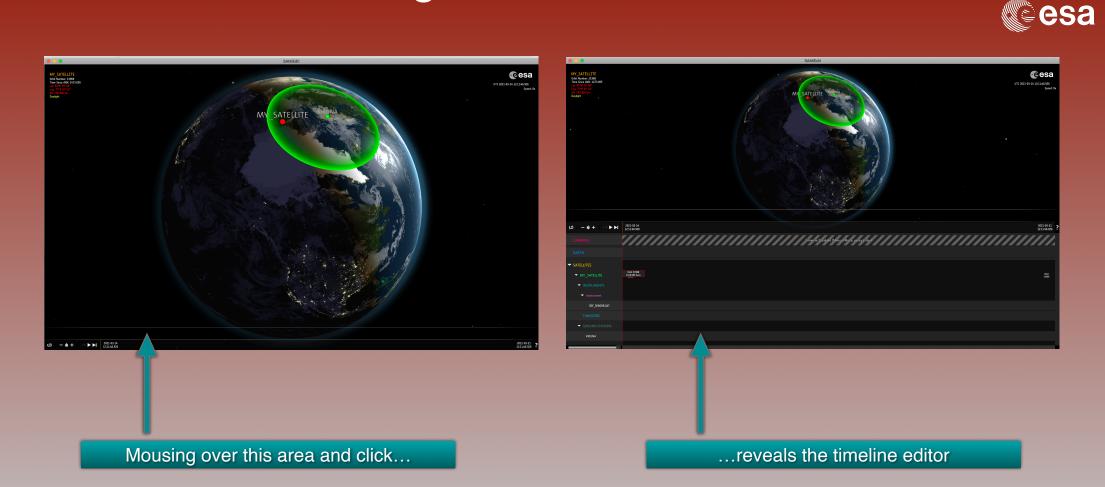
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Edit the Instrument to select the swath files



SAMIEdit: Adding New Satellite - Result





SAMIEdit: Adding New Satellite - Add time block





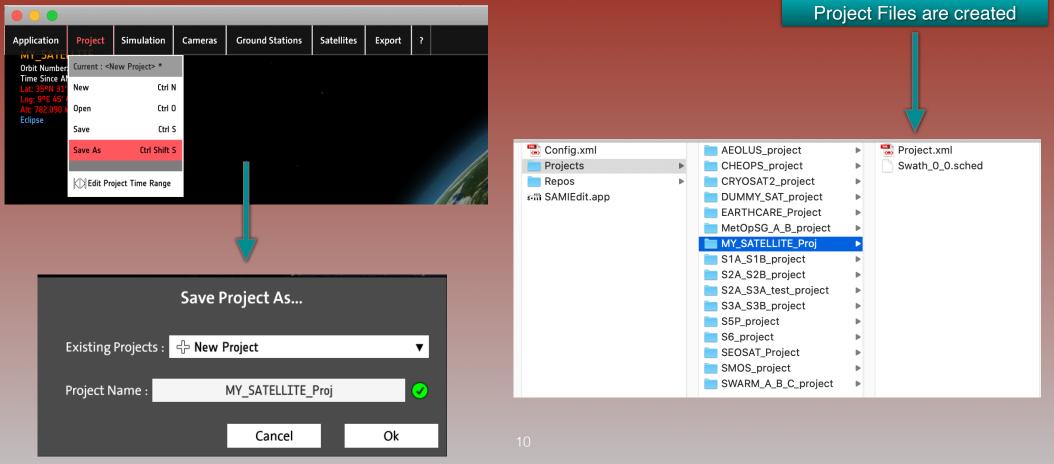


SAMIEdit: Adding New Satellite - Save Project



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SAMIEdit: Adding New Satellite - User Support





* SAMI User Support contact e-mail

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 For further details on the application interface and available features, please have a look to the SAMI Quick Start Guide

https://eop-cfi.esa.int/Repo/PUBLIC/DOCUMENTATION/APPLICATIONS/SAMI/ SAMIEdit_Quick_Start_Guide_Desktop_v1_4_0_6.pdf