














JUICE-SCM/Ground Segment

| | 2023-3 | | | | 2023-4 | | | | 2023-5 | | | | 2023-6 | | | | 2023-7 | | | | 2023-8 | | | |
|---------------------------------------|---|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| LPP | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTRU | | | | | | | | | | | | | | | | | | | | | | | | |
| JUICE-SCM/Ground Segment | | | | | | | | | | | | | | | | | | | | | | | | |
| Documenter le code MMS/SCM avec (...) | New 55% | | | | | | | | | | | | | | | | | | | | | | | |
| Formatage des commentaires (...) | In Progress 10% | | | | | | | | | | | | | | | | | | | | | | | |
| MàJ du document Ground Segment (...) | New 0% | | | | | | | | | | | | | | | | | | | | | | | |
| Adapter le code IDL d'MMS/SCM à (...) |  New 0% | | | | | | | | | | | | | | | | | | | | | | | |
| Première version calibration python |  New 99% | | | | | | | | | | | | | | | | | | | | | | | |
| Create Kernel in python | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Bessel filter | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| DFB filter | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Antenna response function | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Bandpass filter | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Extract and export cdf file (...) | In Progress 50% | | | | | | | | | | | | | | | | | | | | | | | |
| Discover units test python (...) |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Unit test Bessel filter | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Unit test DFB | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Unit test Antenna filter | Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Create unit test for (...) |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Reorganise the code to have (...) |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Create the complete Kernel |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Create the kernel_creation (...) |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Unit test kernel_creation |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Full code documentation |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Create deconvo_vec function (...) |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Check real/imag parts |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Shift kernel |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |
| Hanning window creation |  Resolved 100% | | | | | | | | | | | | | | | | | | | | | | | |

JUICE-

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| Coscub window creation | ■ Resolved 100% |
| Gaussian window creation | ■ Resolved 100% |
| Trapezoid window creation | ■ Resolved 100% |
| Unit test deconvo vec (...) | ■ Resolved 100% |
| Correct the documentation (...) | ■ Resolved 100% |
| deconvo_vec convolution part | ■ Resolved 100% |
| Implement graphical comparison (...) | ■ Resolved 100% |
| Implement blk_con IDL function | ■ Resolved 100% |
| Create Calibrate CDF function | ■ Resolved 100% |
| Implement the blocks (...) | ■ Resolved 100% |
| Implement the cdf writing (...) | ■ Resolved 100% |
| Implement function that compare (...) | ■ Resolved 100% |
| General class to compare waveforms, (...) | ■ Resolved 100% |
| Obtain good result in the (...) | ■ Resolved 100% |
| Implementation of ConfigHandler (...) | ■ Resolved 100% |
| Implement function that compute (...) | ■ Resolved 100% |
| Implement a simple spectrogram (...) | ■ Resolved 100% |
| Create function that plot (...) | ■ Resolved 100% |
| Create Function that compare (...) | ■ Resolved 100% |
| Find why the computed spectrum (...) | ■ Resolved 100% |
| Make documentation of all (...) | ■ Resolved 100% |
| Reorganise and simplify spectra (...) | ■ Resolved 100% |
| Investigate why results are (...) | ■ Resolved 100% |
| Spectra densities computation | ■ Resolved 100% |
| Spectra densities plot and (...) | ■ Resolved 100% |
| Completely change ConfigHandler (...) | ■ Resolved 100% |
| ConfigHandler modularity implementation | ■ Resolved 100% |
| Global attributes and (...) | ■ Resolved 100% |
| default / current / limits (...) | ■ Resolved 100% |
| Make class for deduce (...) | ■ Resolved 100% |
| kernel_creation.py reworked (...) | ■ Resolved 100% |
| Implement system of class (...) | ■ Resolved 100% |
| Spectra powers computation | ■ Resolved 100% |
| Spectra powers plot / comparison | ■ Resolved 100% |

| Analyse fichiers L1A JUICE | Resolved 100% | In Prog |
|--|---------------|----------|
| Create interactive version of quicklook, (...) | Resolved 100% | Resolved |
| Find proper tools and solutions (...) | Resolved 100% | Resolved |
| Find proper solution for zoom (...) | Resolved 100% | Resolved |
| Create a version of quicklook (...) | Resolved 100% | Resolved |
| Fusion the static and interactive (...) | Resolved 100% | |
| Modify the visuals of interactive (...) | Resolved 100% | |
| Modify deeply the code organisation (...) | Resolved 100% | |
| Improve and resolve problems (...) | Resolved 100% | |
| Add buttons to change the (...) | Resolved 100% | |
| Adapt the calibration / evaluation (...) | Resolved 100% | |
| Start the rework of documentation | Resolved 100% | |
| Reorganise and document the display (...) | Resolved 100% | |
| Code reorganisation to have scripts (...) | Resolved 100% | |
| Lot of new sh and python scripts (...) | Resolved 100% | |
| Juice files first calibration | Resolved 100% | |
| JUICE quicklook analysis | Resolved 100% | |
| Code Analysis / Investigation / (...) | Resolved 100% | |
| The problem with JUICE results (...) | Resolved 100% | |
| Research with laurent about the (...) | Resolved 100% | |
| Make all the variables of input (...) | Resolved 100% | |
| Make the script able to specify (...) | Resolved 100% | |
| register all remaining taks written (...) | Resolved 100% | |
| Debug/resolution of some little (...) | Resolved 100% | |
| Documentation debugging | Resolved 100% | |
| Create script for documentation (...) | Resolved 100% | |
| Documentation complete add and (...) | Resolved 100% | |
| New tries concerning the differences (...) | Resolved 100% | |
| First version of a "time extract" (...) | Resolved 100% | |
| Finish complete time extract method | Resolved 100% | |
| implement system to check the version (...) | Resolved 100% | |
| Create 'file name' used in plot (...) | Resolved 100% | |
| Make the 'file name' in the plot (...) | Resolved 100% | |
| Create a sh script that use time (...) | Resolved 100% | |

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| Modify the extract argvs and env (...) | Resolved 100% |
| Modify the extract_cdf methods (...) | Resolved 100% |
| Make all the python and sh scripts (...) | Resolved 100% |
| Create a GUI for selection of a (...) | Resolved 100% |
| Find the problem of difference (...) | Resolved 100% |
| Make the GUI able to select what (...) | Resolved 100% |
| Advances in the comparison between (...) | Resolved 100% |
| Reorganisation of the python scripts (...) | Resolved 100% |
| Make the GUI a general tool, replacing (...) | Resolved 100% |
| Update documentation for time/solo (...) | Resolved 100% |
| Add a check if we don't find cdfs (...) | Resolved 100% |
| Find the cdfs with temperature (...) | Resolved 100% |
| Modify the data extraction method (...) | Resolved 100% |
| Modify the evaluation part (creation (...) | Resolved 100% |
| Improvements and bug resolve for (...) | Resolved 100% |
| Professional training about the (...) | Resolved 100% |
| Change the code from pyenv environnement (...) | Resolved 100% |
| Software exploration for documentation (...) | Resolved 100% |
| Documentation improvements following (...) | Resolved 100% |
| Documentation update, especially (...) | Resolved 100% |
| Bug solving for spectrum computation (...) | Resolved 100% |
| Gathering and analysis of all remaining (...) | Resolved 100% |
| Discovering of the Ruff linter (...) | Resolved 100% |
| Creation of a ruff pre commit hook | Resolved 100% |
| Add documentation handle in pre (...) | Resolved 100% |
| Discover of pytest and add to pre (...) | Resolved 100% |
| Add multiple pytests (init, extract, (...) | Resolved 100% |
| Add a system that allows to handle (...) | Resolved 100% |
| Research for a method to easily (...) | Resolved 100% |
| Creation of a visual documentation (...) | In Progress 100% |
| Make the writing and initialization (...) | Resolved 100% |
| Create pdf user documentation (Three (...) | Resolved 100% |
| Test the different SID, gather (...) | Resolved 100% |
| Update sphinx documentation for (...) | Resolved 100% |

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| Modify the code to be coherent (...) | Resolved 100% |
| Bug with MMS files now that the (...) | Resolved 100% |
| Add of some modularisation in parameters | Resolved 100% |
| Creation of a table documenting (...) | Resolved 100% |
| Improve and simplify some parameters (...) | Resolved 100% |
| Clean and simplify the config files | Resolved 100% |
| Change the way the datetimes are (...) | Resolved 100% |
| Find how to force the documentation (...) | Resolved 100% |
| Improve the GUI by adding a embedded (...) | Resolved 100% |
| Develop a little code that for (...) | Resolved 100% |
| Generate a directory with quicklooks (...) | Resolved 100% |
| Resolve the problem concerning (...) | Resolved 100% |
| Resolve the problem concerning (...) | Resolved 100% |
| Research to find a standardisation (...) | Resolved 100% |
| Implement a logging code levels (...) | Resolved 100% |
| Reshape the write log part, with (...) | Resolved 100% |
| Search different support data (temperatures, (...) | Resolved 100% |
| Test the extract of temperatures (...) | Resolved 100% |
| major change : all the extracted (...) | Resolved 100% |
| Complete reshape of the method (...) | Resolved 100% |
| Add the temperature waveform to (...) | Resolved 100% |
| Create new file prepare_data_for_plot (...) | Resolved 100% |
| Produce and test the creation of (...) | Resolved 100% |
| Meeting with Alessandro on the (...) | Resolved 100% |
| Resolve massive problem of performance (...) | Resolved 100% |
| Benchmarking of the code execution (...) | Resolved 100% |
| Annual Report writing | Resolved 100% |