


# JUICE-SCM/Ground Segment

	2024-2				2024-3				2024-4				2024-5				2024-6				2024-7			
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
<b>LPP</b>																								
<b>INSTRU</b>																								
<b>JUICE-SCM/Ground Segment</b>																								
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%																							

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	In Progress 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	In Progress 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%

<b>Quicklook computation / plot</b>	<b>Resolved 100%</b>
<b>Config Handler and config (...)</b>	<b>Resolved 100%</b>
<b>Modularisation of calibrate (...)</b>	<b>Resolved 100%</b>
<b>Create functional Diagram (...)</b>	<b>Resolved 100%</b>
<b>Sphinx documentation with (...)</b>	<b>Resolved 100%</b>
<b>Sphinx documentation with (...)</b>	<b>Resolved 100%</b>
<b>Sphinx documentation with (...)</b>	<b>Resolved 100%</b>
<b>Rewrite the readme with a (...)</b>	<b>Resolved 100%</b>
<b>Add freq samp deducing function (...)</b>	<b>Resolved 100%</b>
<b>Reorganise functions (kernel (...))</b>	<b>Resolved 100%</b>
<b>Adapt the code to use SCHB (...)</b>	<b>Resolved 100%</b>
<b>Adapt the code to have correct (...)</b>	<b>Resolved 100%</b>
<b>Add documentation on all code (...)</b>	<b>Resolved 100%</b>
<b>Make correct and complete (...)</b>	<b>Resolved 100%</b>
<b>Resolve problems with epochs</b>	<b>Resolved 100%</b>
<b>Create script with inline (...)</b>	<b>Resolved 100%</b>
<b>Modify config handler (config (...))</b>	<b>Resolved 100%</b>
<b>Make inline arguments gestion (...)</b>	<b>Resolved 100%</b>
<b>Resolve plenty of problems (...)</b>	<b>Resolved 100%</b>
<b>Implement a first bash script, (...)</b>	<b>Resolved 100%</b>
<b>Resolve problems with venv (...)</b>	<b>Resolved 100%</b>
<b>Make the cdf data extraction (...)</b>	<b>Resolved 100%</b>
<b>Adapt the matlab code for (...)</b>	<b>Resolved 100%</b>
<b>Produce a waveform plot of (...)</b>	<b>Resolved 100%</b>
<b>Take the python code of David (...)</b>	<b>Resolved 100%</b>
<b>Resolve the problem with epochs (...)</b>	<b>Resolved 100%</b>
<b>Create generic log printer (...)</b>	<b>Resolved 100%</b>
<b>Add systematical logs for (...)</b>	<b>Resolved 100%</b>
<b>Modify the extract data/ epoch (...)</b>	<b>Resolved 100%</b>
<b>Reorganisation of kernel construction</b>	<b>Resolved 100%</b>
<b>Add systematical logs for (...)</b>	<b>Resolved 100%</b>
<b>Create and improve the scripts (...)</b>	<b>Resolved 100%</b>
<b>Fourier transform (and inverse (...))</b>	<b>Resolved 100%</b>
<b>Write installation notice</b>	<b>Resolved 100%</b>

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

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%

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%