


































# JUICE-SCM/Ground Segment

	2023-8				2023-9				2023-10				2023-11				2023-12				2024-1			
	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3
<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%																							

JUICE-

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>

	Resolved 100%
<b>Analyse fichiers L1A JUICE</b>	
Create interactive version of quicklook, (...)	 In Progress 100%
Find proper tools and solutions (...)	 Resolved 100%
Find proper solution for zoom (...)	 Resolved 100%
Create a version of quicklook (...)	 Resolved 100%
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%

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
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%

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