

JUICE-SCM/Ground Segment

	2023-10					2023-11					2023-12					2024-1				2024-2				2024-3			
	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
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-

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%

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

Analyse fichiers L1A JUICE	Resolved 100%
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 (...)	■ Resolved 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%	