


JUICE-SCM/Ground Segment

	2023-6				2023-7				2023-8				2023-9				2023-10				2023-11			
	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
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-

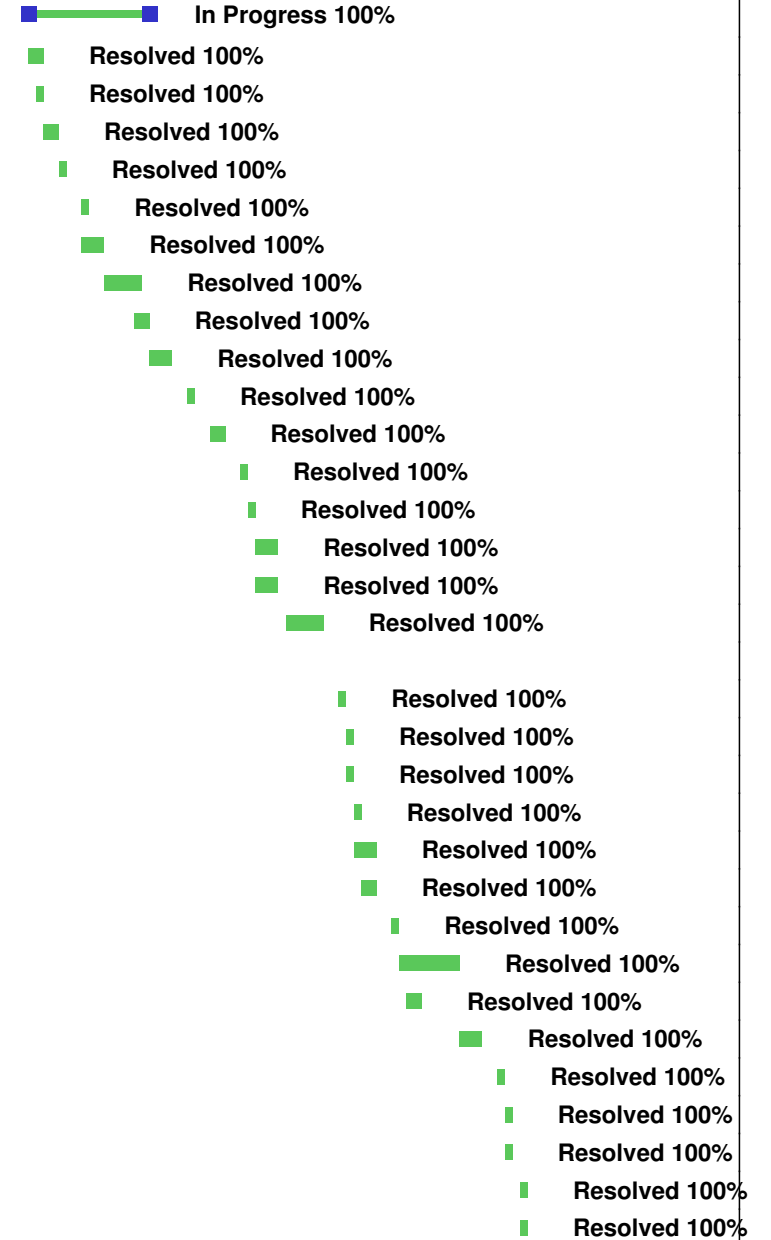
Coscub window creation	Resolved 100%
Gaussian window creation	Resolved 100%
Trapezoid window creation	Resolved 100%
Unit test deconvo vec (...)	Resolved 100%
Correct the documentation (...)	Resolved 100%
deconvo_vec convolution part	Resolved 100%
Implement graphical comparison (...)	Resolved 100%
Implement 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

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