















JUICE-SCM/Ground Segment

		2023-5					2023-6					2023-7					2023-8					2023-9					2023-10				
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43				
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		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> <div>New 99%</div>																													
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-S

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%

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%