JUICE-SCM/Ground Segment

	2023-3				2023-4				2023-5				2023-6				2023-7				2023-8		
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

LPP

  INSTRU

    JUICE-SCM/Ground Segment   JUICE-S

      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%

Task	Status
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%

Task	Status
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 Prog**
Find proper tools and solutions (...)		**Resolved**
Find proper solution for zoom (...)		**Resolved**
Create a version of quicklook (...)		**Resolve**
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 (...)		
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 (...)	In Progress 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 (...)	

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%**