

## JUICE-SCM/Ground Segment - Issues

| #    | Tracker | Status      | Priority | Subject   | Assignee        | Updated             |
|------|---------|-------------|----------|---|-----------------|---------------------|
| 4285 | Bug     | Resolved    | Normal   | Bug with MMS files now that the code has been changed a lot   | Theo Stassen    | 09/02/2024 06:55 PM |
| 4194 | Bug     | Resolved    | Normal   | Debug/resolution of some little remaining tasks registered  | Theo Stassen    | 17/10/2023 04:43 PM |
| 4195 | Bug     | Resolved    | Normal   | Documentation debugging   | Theo Stassen    | 17/10/2023 04:45 PM |
| 4182 | Bug     | Resolved    | Normal   | Lot of new sh and python scripts added, around calibration and display data   | Theo Stassen    | 29/09/2023 06:48 PM |
| 4213 | Bug     | Resolved    | Normal   | Make the 'file name' in the plot readable (using of multiple lines)   | Theo Stassen    | 06/11/2023 12:02 PM |
| 4222 | Bug     | Resolved    | Normal   | Make the GUI able to select what we want to plot + put default times  | Theo Stassen    | 13/11/2023 06:52 PM |
| 4237 | Bug     | Resolved    | Normal   | Modify the evaluation part (creation of spectrum and densities, display, plot) + configuration to plot different cdf data (temp for ex) | Theo Stassen    | 28/11/2023 07:02 PM |
| 4183 | Bug     | Resolved    | Normal   | Reorganise and document the display data part   | Theo Stassen    | 29/09/2023 06:50 PM |
| 4123 | Bug     | Resolved    | Normal   | Resolve problems with epochs  | Theo Stassen    | 23/06/2023 11:58 AM |
| 4131 | Bug     | Resolved    | Normal   | Resolve problems with venv / conda conflict on local machine  | Theo Stassen    | 03/07/2023 04:56 PM |
| 4184 | Bug     | Resolved    | Normal   | Start the rework of documentation   | Theo Stassen    | 29/09/2023 06:52 PM |
| 4188 | Bug     | In Progress | Normal   | The problem with JUICE results is not resolved  | Theo Stassen    | 06/10/2023 06:16 PM |
| 4329 | Feature | Resolved    | Normal   | Implement a logging code levels system  | Theo Stassen    | 21/03/2024 02:58 PM |
| 4083 | Feature | Resolved    | Normal   | Make documentation of all important implemented functions (concerning spectra and waveform manipulation)                                | Theo Stassen    | 05/05/2023 06:35 PM |
| 4236 | Feature | Resolved    | Normal   | Modify the data extraction method to allow the extract of completely different cdfs (temp for ex)                                       | Theo Stassen    | 28/11/2023 06:58 PM |
| 4080 | Feature | Resolved    | Normal   | Write installation notice   | Theo Stassen    | 26/04/2023 05:46 PM |
| 4082 | Support | Resolved    | Normal   | Find why the computed spectrum is very different of ref, only for antenna y and z, probably a bug                                       | Theo Stassen    | 05/05/2023 06:32 PM |
| 4084 | Support | Resolved    | Normal   | Investigate why results are in general better for antenna x than y and z  | Theo Stassen    | 05/05/2023 06:37 PM |
| 4207 | Support | Resolved    | Normal   | New tries concerning the differences between python and matlab results  | Theo Stassen    | 27/10/2023 05:43 PM |
| 4075 | Support | Resolved    | Normal   | Obtain good result in the comparison of Reference/IDL/python waveforms  |                 | 26/04/2023 04:24 PM |
| 4197 | Support | Resolved    | Normal   | Research with laurent about the difference of code results and experimentations   | Theo Stassen    | 17/10/2023 04:50 PM |
| 4172 | Task    | Resolved    | Normal   | Adapt the calibration / evaluation code to allow JUICE files  | Theo Stassen    | 18/09/2023 02:07 PM |
| 4117 | Task    | Resolved    | Normal   | Adapt the code to have correct visual representation of SHCB results  | Theo Stassen    | 15/06/2023 06:33 PM |
| 4116 | Task    | Resolved    | Normal   | Adapt the code to use SCHB mode   | Theo Stassen    | 15/06/2023 06:30 PM |
| 4133 | Task    | Resolved    | Normal   | Adapt the matlab code for cdf data extraction (JUICE sid7)  | Theo Stassen    | 10/07/2023 04:46 PM |
| 4001 | Task    | New         | Normal   | Adapter le code IDL d'MMS/SCM à JUICE/SCM   | Laurent Mirioni | 07/12/2022 07:44 AM |
| 4230 | Task    | Resolved    | Normal   | Add a check if we don't find cdfs in the time limits and stop the execution   | Theo Stassen    | 21/11/2023 06:51 PM |
| 4265 | Task    | Resolved    | Normal   | Add a system that allows to handle data without the need to compute their spectra   | Theo Stassen    | 19/01/2024 07:00 PM |
| 4171 | Task    | Resolved    | Normal   | Add buttons to change the content struct  | Theo Stassen    | 18/09/2023 02:02 PM |
| 4260 | Task    | Resolved    | Normal   | Add documentation handle in pre commit hooks  | Theo Stassen    | 12/01/2024 06:45 PM |
| 4120 | Task    | Resolved    | Normal   | Add documentation on all code parameters  | Theo Stassen    | 19/06/2023 05:45 PM |

| #    | Tracker | Status      | Priority | Subject  | Assignee     | Updated             |
|------|---------|-------------|----------|--|--------------|---------------------|
| 4112 | Task    | Resolved    | Normal   | Add freq samp deducing function in deduce parameters   | Theo Stassen | 09/06/2023 06:41 PM |
| 4262 | Task    | Resolved    | Normal   | Add multiple pytests (init, extract, display)  | Theo Stassen | 12/01/2024 06:46 PM |
| 4287 | Task    | Resolved    | Normal   | Add of some modularisation in parameters   | Theo Stassen | 23/02/2024 06:51 PM |
| 4149 | Task    | Resolved    | Normal   | Add systematical logs for each steps (with error excepts, errors, warnings, infos) in calibration part               | Theo Stassen | 21/07/2023 06:51 PM |
| 4154 | Task    | Resolved    | Normal   | Add systematical logs for each steps (with error excepts, errors, warnings, infos) in evaluation part and the rest   | Theo Stassen | 28/07/2023 07:00 PM |
| 4347 | Task    | Resolved    | Normal   | Add the temperature waveform to plot_data, as part of the default quicklook plot                                     | Theo Stassen | 08/04/2024 04:49 PM |
| 4226 | Task    | Resolved    | Normal   | Advances in the comparison between Matlab and python results   | Theo Stassen | 17/11/2023 06:54 PM |
| 4110 | Task    | Resolved    | Normal   | Analyse fichiers L1A JUICE   | Theo Stassen | 08/06/2023 10:36 AM |
| 4365 | Task    | Resolved    | Normal   | Annual Report writing  | Theo Stassen | 23/04/2024 03:24 PM |
| 4032 | Task    | Resolved    | Normal   | Antenna response function  | Theo Stassen | 02/03/2023 10:31 AM |
| 4037 | Task    | Resolved    | Normal   | Bandpass filter  | Theo Stassen | 24/02/2023 05:42 PM |
| 4364 | Task    | Resolved    | Normal   | Benchmarking of the code execution for really big files  | Theo Stassen | 23/04/2024 03:22 PM |
| 4030 | Task    | Resolved    | Normal   | Bessel filter  | Theo Stassen | 15/02/2023 04:57 PM |
| 4244 | Task    | Resolved    | Normal   | Bug solving for spectrum computation problems  | Theo Stassen | 06/12/2023 02:20 PM |
| 4245 | Task    | Resolved    | Normal   | Change the code from pyenv environnement to poetry environment   | Theo Stassen | 06/12/2023 02:23 PM |
| 4308 | Task    | Resolved    | Normal   | Change the way the datetimes are corrected   | Theo Stassen | 23/02/2024 06:55 PM |
| 4055 | Task    | Resolved    | Normal   | Check real/imag parts  | Theo Stassen | 15/03/2023 04:27 PM |
| 4307 | Task    | Resolved    | Normal   | Clean and simplify the config files  | Theo Stassen | 23/02/2024 06:54 PM |
| 4187 | Task    | Resolved    | Normal   | Code Analysis / Investigation / Tests / Experiments in order to have same spectra densities results than matlab code | Theo Stassen | 06/10/2023 06:15 PM |
| 4181 | Task    | Resolved    | Normal   | Code reorganisation to have scripts separately + debugging   | Theo Stassen | 29/09/2023 06:47 PM |
| 4346 | Task    | Resolved    | Normal   | Complete reshape of the method to give and prepare data for plot data  | Theo Stassen | 08/04/2024 04:43 PM |
| 4088 | Task    | Resolved    | Normal   | Completely change ConfigHandler functioning  | Theo Stassen | 16/05/2023 03:40 PM |
| 4102 | Task    | Resolved    | Normal   | Config Handler and config files modifications / improvements   | Theo Stassen | 30/05/2023 11:35 AM |
| 4089 | Task    | In Progress | Normal   | ConfigHandler modularity implementation  | Theo Stassen | 17/05/2023 05:03 PM |
| 4062 | Task    | Resolved    | Normal   | Correct the documentation strings warnings and pylint errors (if possible)   | Theo Stassen | 17/03/2023 05:49 PM |
| 4057 | Task    | Resolved    | Normal   | Cosclub window creation  | Theo Stassen | 15/03/2023 04:30 PM |
| 4212 | Task    | Resolved    | Normal   | Create 'file name' used in plot resulting of the merge of multiple cdf files   | Theo Stassen | 06/11/2023 12:01 PM |
| 4221 | Task    | Resolved    | Normal   | Create a GUI for selection of a range of time to plot  | Theo Stassen | 13/11/2023 06:50 PM |
| 4214 | Task    | Resolved    | Normal   | Create a sh script that use time extract, by specifying a time limits and a cdfs dir                                 | Theo Stassen | 06/11/2023 12:03 PM |
| 4160 | Task    | Resolved    | Normal   | Create a version of quicklook with some parameter buttons that modify spectra  | Theo Stassen | 31/08/2023 06:29 PM |
| 4155 | Task    | Resolved    | Normal   | Create and improve the scripts to have 3 fully independent and functional scripts                                    | Theo Stassen | 28/07/2023 07:02 PM |
| 4067 | Task    | In Progress | Normal   | Create Calibrate CDF function  | Theo Stassen | 11/04/2023 03:09 PM |

| #    | Tracker | Status      | Priority | Subject   | Assignee        | Updated             |
|------|---------|-------------|----------|---|-----------------|---------------------|
| 4053 | Task    | Resolved    | Normal   | Create deconvo_vec function (kernel part)   | Theo Stassen    | 15/03/2023 04:31 PM |
| 4081 | Task    | Resolved    | Normal   | Create Function that compare idl spectrum and computed spectrum   | Theo Stassen    | 27/04/2023 06:19 PM |
| 4079 | Task    | Resolved    | Normal   | Create function that plot multiple spectrograms   | Theo Stassen    | 26/04/2023 05:44 PM |
| 4105 | Task    | Resolved    | Normal   | Create functional Diagram of the code   | Theo Stassen    | 05/06/2023 06:27 PM |
| 4145 | Task    | Resolved    | Normal   | Create generic log printer (for log file and/or terminal)   | Theo Stassen    | 17/07/2023 11:03 AM |
| 4157 | Task    | In Progress | Normal   | Create interactive version of quicklook, to analyse cdf data  | Theo Stassen    | 18/09/2023 02:02 PM |
| 4028 | Task    | Resolved    | Normal   | Create Kernel in python   | Theo Stassen    | 02/03/2023 10:35 AM |
| 4360 | Task    | Resolved    | Normal   | Create new file prepare_data_for_plot which will handle completely the preparation of data before plotting            | Theo Stassen    | 23/04/2024 03:16 PM |
| 4282 | Task    | Resolved    | Normal   | Create pdf user documentation (Three first iterations)  | Theo Stassen    | 09/02/2024 06:49 PM |
| 4196 | Task    | Resolved    | Normal   | Create script for documentation generation (cleaning/creation/show)   | Theo Stassen    | 17/10/2023 04:48 PM |
| 4124 | Task    | Resolved    | Normal   | Create script with inline inputs, for calibrate and quicklook   | Theo Stassen    | 23/06/2023 12:02 PM |
| 4043 | Task    | Resolved    | Normal   | Create the complete Kernel  | Theo Stassen    | 15/03/2023 04:05 PM |
| 4050 | Task    | Resolved    | Normal   | Create the kernel_creation function   | Theo Stassen    | 15/03/2023 04:02 PM |
| 4044 | Task    | Resolved    | Normal   | Create unit test for corgain (ant, dfb, bessel)   | Theo Stassen    | 14/03/2023 05:49 PM |
| 4258 | Task    | Resolved    | Normal   | Creation of a ruff pre commit hook  | Theo Stassen    | 12/01/2024 06:44 PM |
| 4305 | Task    | Resolved    | Normal   | Creation of a table documenting all parameters that can be set by the user, with default value and location           | Theo Stassen    | 23/02/2024 06:52 PM |
| 4267 | Task    | In Progress | Normal   | Creation of a visual documentation of the code  | Theo Stassen    | 09/02/2024 06:47 PM |
| 4061 | Task    | Resolved    | Normal   | deconvo_vec convolution part  | Theo Stassen    | 24/03/2023 05:54 PM |
| 4092 | Task    | Resolved    | Normal   | default / current / limits config gestion   | Theo Stassen    | 16/05/2023 04:28 PM |
| 4311 | Task    | Resolved    | Normal   | Develop a little code that for all cdfs in one dir, make a table summarizing their content and quicklook them         | Theo Stassen    | 23/02/2024 07:00 PM |
| 4031 | Task    | Resolved    | Normal   | DFB filter  | Theo Stassen    | 16/02/2023 05:38 PM |
| 4261 | Task    | Resolved    | Normal   | Discover of pytest and add to pre commit hooks  | Theo Stassen    | 12/01/2024 06:46 PM |
| 4038 | Task    | Resolved    | Normal   | Discover units test python methods and Create Unit tests of the kernel  | Theo Stassen    | 15/03/2023 12:48 PM |
| 4257 | Task    | Resolved    | Normal   | Discovering of the Ruff linter and formatter+ experiments   | Theo Stassen    | 09/01/2024 06:38 PM |
| 4206 | Task    | Resolved    | Normal   | Documentation complete add and upgrade  | Theo Stassen    | 27/10/2023 05:43 PM |
| 4242 | Task    | Resolved    | Normal   | Documentation improvements following the professional training  | Theo Stassen    | 06/12/2023 02:18 PM |
| 4243 | Task    | Resolved    | Normal   | Documentation update, especially following the reorganisation of the python script use and the rework of the doc root | Theo Stassen    | 06/12/2023 02:19 PM |
| 3998 | Task    | New         | High     | Documenter le code MMS/SCM avec IDLdoc  | Laurent Mirioni | 04/01/2023 12:04 PM |
| 4029 | Task    | In Progress | Normal   | Extract and export cdf file   | Theo Stassen    | 15/02/2023 04:54 PM |
| 4309 | Task    | Resolved    | Normal   | Find how to force the documentation to trigger error even for warnings  | Theo Stassen    | 23/02/2024 06:56 PM |
| 4159 | Task    | Resolved    | Normal   | Find proper solution for zoom / move of data  | Theo Stassen    | 31/08/2023 06:28 PM |
| 4158 | Task    | Resolved    | Normal   | Find proper tools and solutions fo allow data refresh in quicklook  | Theo Stassen    | 31/08/2023 06:24 PM |

| #    | Tracker | Status      | Priority | Subject   | Assignee        | Updated             |
|------|---------|-------------|----------|---|-----------------|---------------------|
| 4235 | Task    | Resolved    | Normal   | Find the cdfs with temperature data in it and test to extract them  | Theo Stassen    | 28/11/2023 06:56 PM |
| 4223 | Task    | Resolved    | Normal   | Find the problem of difference between matlab and python code   | Theo Stassen    | 13/11/2023 06:54 PM |
| 4210 | Task    | Resolved    | Normal   | Finish complete time extract method   | Theo Stassen    | 06/11/2023 11:57 AM |
| 4208 | Task    | Resolved    | Normal   | First version of a "time extract" method  | Theo Stassen    | 27/10/2023 05:44 PM |
| 4000 | Task    | In Progress | High     | Formatage des commentaires MMS/SCM  | Laurent Mirioni | 04/01/2023 12:04 PM |
| 4033 | Task    | Resolved    | Normal   | Fourier transform (and inverse transform) function  | Theo Stassen    | 14/03/2023 05:49 PM |
| 4052 | Task    | Resolved    | Normal   | Full code documentation   | Theo Stassen    | 15/03/2023 04:07 PM |
| 4163 | Task    | Resolved    | Normal   | Fusion the static and interactive quicklooks by using same plot functions (same fig/axis handle) -> make it modular | Theo Stassen    | 05/09/2023 06:36 PM |
| 4256 | Task    | Resolved    | Normal   | Gathering and analysis of all remaining open tasks  | Theo Stassen    | 09/01/2024 06:37 PM |
| 4058 | Task    | Resolved    | Normal   | Gaussian window creation  | Theo Stassen    | 15/03/2023 04:30 PM |
| 4071 | Task    | Resolved    | Normal   | General class to compare waveforms, in order to compare easily different cdf results                                | Theo Stassen    | 11/04/2023 03:11 PM |
| 4325 | Task    | Resolved    | Normal   | Generate a directory with quicklooks of all cdfs from 2023/2024   | Theo Stassen    | 21/03/2024 12:47 PM |
| 4091 | Task    | Resolved    | Normal   | Global attributes and cdf name gestion  | Theo Stassen    | 16/05/2023 04:27 PM |
| 4054 | Task    | Resolved    | Normal   | Hanning window creation   | Theo Stassen    | 15/03/2023 04:24 PM |
| 4130 | Task    | Resolved    | Normal   | Implement a first bash script, with auto venv use   | Theo Stassen    | 03/07/2023 04:49 PM |
| 4078 | Task    | Resolved    | Normal   | Implement a simple spectrogram plot   | Theo Stassen    | 26/04/2023 05:42 PM |
| 4065 | Task    | Resolved    | Normal   | Implement blk_con IDL function  | Theo Stassen    | 31/03/2023 06:03 PM |
| 4070 | Task    | Resolved    | Normal   | Implement function that compare two l1b cdf file data   | Theo Stassen    | 11/04/2023 03:09 PM |
| 4077 | Task    | Resolved    | Normal   | Implement function that compute the spectrogram of a waveform   | Theo Stassen    | 26/04/2023 05:41 PM |
| 4066 | Task    | Resolved    | Normal   | Implement graphical comparison between idl and python calibration   | Theo Stassen    | 31/03/2023 06:03 PM |
| 4095 | Task    | Resolved    | Normal   | Implement system of class extends for kernel creation and deduce_parameters   | Theo Stassen    | 17/05/2023 05:08 PM |
| 4211 | Task    | Resolved    | Normal   | implement system to check the version of cdf files and take the chosen version of cdfs when doing time extract      | Theo Stassen    | 06/11/2023 11:59 AM |
| 4068 | Task    | Resolved    | Normal   | Implement the blocks separation, calibration and concatenation after being calibrated                               | Theo Stassen    | 31/03/2023 06:07 PM |
| 4069 | Task    | Resolved    | Normal   | Implement the cdf writing of results  | Theo Stassen    | 11/04/2023 03:09 PM |
| 4076 | Task    | Resolved    | Normal   | Implementation of ConfigHandler class   | Theo Stassen    | 26/04/2023 05:39 PM |
| 4168 | Task    | Resolved    | Normal   | Improve and resolve problems / bugs concerning interactive plots  | Theo Stassen    | 18/09/2023 01:55 PM |
| 4306 | Task    | Resolved    | Normal   | Improve and simplify some parameters calls and use  | Theo Stassen    | 23/02/2024 06:53 PM |
| 4310 | Task    | Resolved    | Normal   | Improve the GUI by adding a embedded window containing the print content  | Theo Stassen    | 23/02/2024 06:57 PM |
| 4239 | Task    | Resolved    | Normal   | Improvements and bug resolve for temperature spectrum computing and plots   | Theo Stassen    | 06/12/2023 02:15 PM |
| 4179 | Task    | Resolved    | Normal   | Juice files first calibration   | Theo Stassen    | 29/09/2023 06:47 PM |
| 4180 | Task    | Resolved    | Normal   | JUICE quicklook analysis  | Theo Stassen    | 29/09/2023 06:45 PM |
| 4094 | Task    | Resolved    | Normal   | kernel_creation.py reworked for modularity  | Theo Stassen    | 16/05/2023 04:31 PM |

| #    | Tracker | Status   | Priority | Subject  | Assignee        | Updated             |
|------|---------|----------|----------|--|-----------------|---------------------|
| 4003 | Task    | New      | Normal   | MàJ du document Ground Segment Development Plan for RPWI   | Laurent Mirioni | 07/12/2022 05:30 PM |
| 4345 | Task    | Resolved | Normal   | major change : all the extracted content is now in a dict "input_content"  | Theo Stassen    | 08/04/2024 04:34 PM |
| 4218 | Task    | Resolved | Normal   | Make all the python and sh scripts using freely multiple or solo extract method  | Theo Stassen    | 07/11/2023 06:38 PM |
| 4190 | Task    | Resolved | Normal   | Make all the variables of input cdf be in output cdf   | Theo Stassen    | 10/10/2023 06:55 PM |
| 4093 | Task    | Resolved | Normal   | Make class for deduce parameter values, depending on other parameters  | Theo Stassen    | 17/05/2023 05:03 PM |
| 4122 | Task    | Resolved | Normal   | Make correct and complete quicklook, with same infos than MMS IDL's one  | Theo Stassen    | 23/06/2023 11:54 AM |
| 4125 | Task    | Resolved | Normal   | Make inline arguments gestion modular, in separate function, to use it in all scripts  | Theo Stassen    | 27/06/2023 11:45 AM |
| 4132 | Task    | Resolved | Normal   | Make the cdf data extraction modular to prepare the different extraction needed  | Theo Stassen    | 03/07/2023 04:52 PM |
| 4228 | Task    | Resolved | Normal   | Make the GUI a general tool, replacing the interact interface  | Theo Stassen    | 17/11/2023 07:01 PM |
| 4191 | Task    | Resolved | Normal   | Make the script able to specify freely custom values of any parameters   | Theo Stassen    | 10/10/2023 06:56 PM |
| 4268 | Task    | Resolved | Normal   | Make the writing and initialization parts separated from the others  | Theo Stassen    | 19/01/2024 07:06 PM |
| 4362 | Task    | Resolved | Normal   | Meeting with Alessandro on the calibration results   | Theo Stassen    | 23/04/2024 03:18 PM |
| 4126 | Task    | Resolved | Normal   | Modify config handler (config file gestion) and adapt to the new config handler use in every functions                                   | Theo Stassen    | 27/06/2023 11:50 AM |
| 4165 | Task    | Resolved | Normal   | Modify deeply the code organisation to have separate part for compare cdfs / interactive plot and one function (plot data) for all plots | Theo Stassen    | 08/09/2023 06:51 PM |
| 4284 | Task    | Resolved | Normal   | Modify the code to be coherent in physical units   | Theo Stassen    | 09/02/2024 06:53 PM |
| 4216 | Task    | Resolved | Normal   | Modify the extract argvs and env var method to handle solo and multiple extract in one time  | Theo Stassen    | 06/11/2023 12:12 PM |
| 4150 | Task    | Resolved | Normal   | Modify the extract data/ epoch part to handle JUICE SID 1/2/3/7 separately   | Theo Stassen    | 21/07/2023 06:52 PM |
| 4215 | Task    | Resolved | Normal   | Modify the extract_cdf methods to have a merge between extract and time extract  | Theo Stassen    | 06/11/2023 12:05 PM |
| 4164 | Task    | Resolved | Normal   | Modify the visuals of interactive and static quicklook to be more modular  | Theo Stassen    | 05/09/2023 06:38 PM |
| 4103 | Task    | Resolved | Normal   | Modularisation of calibrate data block   | Theo Stassen    | 30/05/2023 11:36 AM |
| 4024 | Task    | New      | Normal   | Première version calibration python  | Theo Stassen    | 28/07/2023 07:02 PM |
| 4138 | Task    | Resolved | Normal   | Produce a waveform plot of JUICE data using code based on matlab code  | Theo Stassen    | 10/07/2023 04:49 PM |
| 4361 | Task    | Resolved | Normal   | Produce and test the creation of big quicklooks with calibrated data   | Theo Stassen    | 23/04/2024 03:18 PM |
| 4240 | Task    | Resolved | Normal   | Professional training about the distribution (and learn of automatisisation tools) of python application                                 | Theo Stassen    | 06/12/2023 02:17 PM |
| 4101 | Task    | Resolved | Normal   | Quicklook computation / plot   | Theo Stassen    | 30/05/2023 11:32 AM |
| 4193 | Task    | Resolved | Normal   | register all remaining taks written these last month in a summary document   | Theo Stassen    | 17/10/2023 04:44 PM |
| 4151 | Task    | Resolved | Normal   | Reorganisation of kernel construction  | Theo Stassen    | 21/07/2023 06:56 PM |
| 4227 | Task    | Resolved | Normal   | Reorganisation of the python scripts for modularisation  | Theo Stassen    | 17/11/2023 06:57 PM |
| 4085 | Task    | Resolved | Normal   | Reorganise and simplify spectra related functions  | Theo Stassen    | 05/05/2023 06:41 PM |
| 4113 | Task    | Resolved | Normal   | Reorganise functions (kernel conv window, waveform padding, set frequency first, calfactor   | Theo Stassen    | 09/06/2023 06:43 PM |
| 4045 | Task    | Resolved | Normal   | Reorganise the code to have all config/metadatas in one csv file, called by the unit tests   | Theo Stassen    | 14/03/2023 05:49 PM |
| 4266 | Task    | Resolved | Normal   | Research for a method to easily and beautifully document visually the code structure   | Theo Stassen    | 19/01/2024 07:02 PM |

| #    | Tracker | Status   | Priority | Subject   | Assignee     | Updated             |
|------|---------|----------|----------|---|--------------|---------------------|
| 4328 | Task    | Resolved | Normal   | Research to find a standardisation system for logging, and experiments  | Theo Stassen | 21/03/2024 03:01 PM |
| 4330 | Task    | Resolved | Normal   | Reshape the write log part, with traceback printing, with log name gestion, log message levels, log level variable, etc | Theo Stassen | 21/03/2024 03:00 PM |
| 4363 | Task    | Resolved | Normal   | Resolve massive problem of performance for SID 2 long files calibration and plot code                                   | Theo Stassen | 23/04/2024 03:22 PM |
| 4129 | Task    | Resolved | Normal   | Resolve plenty of problems concerning configHandler   | Theo Stassen | 03/07/2023 04:48 PM |
| 4326 | Task    | Resolved | Normal   | Resolve the problem concerning cdfs epoch extraction for 2024   | Theo Stassen | 21/03/2024 02:36 PM |
| 4327 | Task    | Resolved | Normal   | Resolve the problem concerning SID3 2024 extraction   | Theo Stassen | 21/03/2024 02:37 PM |
| 4140 | Task    | Resolved | Normal   | Resolve the problem with epochs to be able to quicklook data  | Theo Stassen | 10/07/2023 04:56 PM |
| 4109 | Task    | Resolved | Normal   | Rewrite the readme with a summary of the documentation  | Theo Stassen | 08/06/2023 10:32 AM |
| 4343 | Task    | Resolved | Normal   | Search different support data (temperatures, reaction wheels, etc)  | Theo Stassen | 08/04/2024 04:31 PM |
| 4056 | Task    | Resolved | Normal   | Shift kernel  | Theo Stassen | 15/03/2023 04:29 PM |
| 4241 | Task    | Resolved | Normal   | Software exploration for documentation tools following the professional training.                                       | Theo Stassen | 06/12/2023 02:17 PM |
| 4086 | Task    | Resolved | Normal   | Spectra densities computation   | Theo Stassen | 16/05/2023 02:19 PM |
| 4087 | Task    | Resolved | Normal   | Spectra densities plot and comparison   | Theo Stassen | 16/05/2023 03:24 PM |
| 4099 | Task    | Resolved | Normal   | Spectra powers computation  | Theo Stassen | 30/05/2023 11:16 AM |
| 4100 | Task    | Resolved | Normal   | Spectra powers plot / comparison  | Theo Stassen | 30/05/2023 11:36 AM |
| 4106 | Task    | Resolved | Normal   | Sphinx documentation with cross referencing, complete explanations, structurations : calibration part                   | Theo Stassen | 05/06/2023 06:29 PM |
| 4107 | Task    | Resolved | Normal   | Sphinx documentation with cross referencing, complete explanations, structurations : configuration part                 | Theo Stassen | 05/06/2023 06:30 PM |
| 4108 | Task    | Resolved | Normal   | Sphinx documentation with cross referencing, complete explanations, structurations : evaluation part                    | Theo Stassen | 05/06/2023 06:31 PM |
| 4139 | Task    | Resolved | Normal   | Take the python code of David Pisa instead of Matlab code   | Theo Stassen | 10/07/2023 04:52 PM |
| 4283 | Task    | Resolved | Normal   | Test the different SID, gather infos from the test, and cross infos with LFR manual                                     | Theo Stassen | 09/02/2024 06:51 PM |
| 4344 | Task    | Resolved | Normal   | Test the extract of temperatures data   | Theo Stassen | 08/04/2024 04:32 PM |
| 4059 | Task    | Resolved | Normal   | Trapezoid window creation   | Theo Stassen | 15/03/2023 04:31 PM |
| 4041 | Task    | Resolved | Normal   | Unit test Antenna filter  | Theo Stassen | 02/03/2023 10:32 AM |
| 4039 | Task    | Resolved | Normal   | Unit test Bessel filter   | Theo Stassen | 24/02/2023 05:46 PM |
| 4060 | Task    | Resolved | Normal   | Unit test deconvo vec (for each window type)  | Theo Stassen | 15/03/2023 04:31 PM |
| 4040 | Task    | Resolved | Normal   | Unit test DFB   | Theo Stassen | 24/02/2023 05:48 PM |
| 4051 | Task    | Resolved | Normal   | Unit test kernel_creation   | Theo Stassen | 15/03/2023 04:05 PM |
| 4229 | Task    | Resolved | Normal   | Update documentation for time/solo extract  | Theo Stassen | 21/11/2023 06:50 PM |
| 4286 | Task    | Resolved | Normal   | Update sphinx documentation for the new code organisation + modifications done when doing the pdf doc                   | Theo Stassen | 09/02/2024 06:56 PM |