

Issues

| # | Project | Tracker | Status | Priority | Subject | Assignee | Updated |
|------|--------------------------|---------|----------|----------|--|--------------|---------------------|
| 4075 | JUICE-SCM/Ground Segment | Support | Resolved | Normal | Obtain good result in the comparison of Reference/IDL/python waveforms | | 26/04/2023 04:24 PM |
| 4155 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create and improve the scripts to have 3 fully independent and functional scripts | Theo Stassen | 28/07/2023 07:02 PM |
| 4154 | JUICE-SCM/Ground Segment | 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 |
| 4151 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Reorganisation of kernel construction | Theo Stassen | 21/07/2023 06:56 PM |
| 4150 | JUICE-SCM/Ground Segment | 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 |
| 4149 | JUICE-SCM/Ground Segment | 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 |
| 4145 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create generic log printer (for log file and/or terminal) | Theo Stassen | 17/07/2023 11:03 AM |
| 4140 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Resolve the problem with epochs to be able to quicklook data | Theo Stassen | 10/07/2023 04:56 PM |
| 4139 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Take the python code of David Pisa instead of Matlab code | Theo Stassen | 10/07/2023 04:52 PM |
| 4138 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Produce a waveform plot of JUICE data using code based on matlab code | Theo Stassen | 10/07/2023 04:49 PM |
| 4133 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Adapt the matlab code for cdf data extraction (JUICE sid7) | Theo Stassen | 10/07/2023 04:46 PM |
| 4132 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Make the cdf data extraction modular to prepare the different extraction needed | Theo Stassen | 03/07/2023 04:52 PM |
| 4131 | JUICE-SCM/Ground Segment | Bug | Resolved | Normal | Resolve problems with venv / conda conflict on local machine | Theo Stassen | 03/07/2023 04:56 PM |
| 4130 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement a first bash script, with auto venv use | Theo Stassen | 03/07/2023 04:49 PM |
| 4129 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Resolve plenty of problems concerning configHandler | Theo Stassen | 03/07/2023 04:48 PM |
| 4126 | JUICE-SCM/Ground Segment | 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 |
| 4125 | JUICE-SCM/Ground Segment | 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 |
| 4124 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create script with inline inputs, for calibrate and quicklook | Theo Stassen | 23/06/2023 12:02 PM |
| 4123 | JUICE-SCM/Ground Segment | Bug | Resolved | Normal | Resolve problems with epochs | Theo Stassen | 23/06/2023 11:58 AM |
| 4122 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Make correct and complete quicklook, with same infos than MMS IDL's one | Theo Stassen | 23/06/2023 11:54 AM |
| 4120 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Add documentation on all code parameters | Theo Stassen | 19/06/2023 05:45 PM |
| 4117 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Adapt the code to have correct visual representation of SHCB results | Theo Stassen | 15/06/2023 06:33 PM |
| 4116 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Adapt the code to use SCHB mode | Theo Stassen | 15/06/2023 06:30 PM |
| 4113 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Reorganise functions (kernel conv window, waveform padding, set frequency first, calfactor | Theo Stassen | 09/06/2023 06:43 PM |

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|------|--------------------------|---------|-------------|----------|--|--------------|---------------------|
| 4112 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Add freq samp deducing function in deduce parameters | Theo Stassen | 09/06/2023 06:41 PM |
| 4109 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Rewrite the readme with a summary of the documentation | Theo Stassen | 08/06/2023 10:32 AM |
| 4108 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Sphinx documentation with cross referencing, complete explanations, structurations : evaluation part | Theo Stassen | 05/06/2023 06:31 PM |
| 4107 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Sphinx documentation with cross referencing, complete explanations, structurations : configuration part | Theo Stassen | 05/06/2023 06:30 PM |
| 4106 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Sphinx documentation with cross referencing, complete explanations, structurations : calibration part | Theo Stassen | 05/06/2023 06:29 PM |
| 4105 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create functional Diagram of the code | Theo Stassen | 05/06/2023 06:27 PM |
| 4103 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Modularisation of calibrate data block | Theo Stassen | 30/05/2023 11:36 AM |
| 4102 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Config Handler and config files modifications / improvements | Theo Stassen | 30/05/2023 11:35 AM |
| 4101 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Quicklook computation / plot | Theo Stassen | 30/05/2023 11:32 AM |
| 4100 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Spectra powers plot / comparison | Theo Stassen | 30/05/2023 11:36 AM |
| 4099 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Spectra powers computation | Theo Stassen | 30/05/2023 11:16 AM |
| 4095 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement system of class extends for kernel creation and deduce_parameters | Theo Stassen | 17/05/2023 05:08 PM |
| 4094 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | kernel_creation.py reworked for modularity | Theo Stassen | 16/05/2023 04:31 PM |
| 4093 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Make class for deduce parameter values, depending on other parameters | Theo Stassen | 17/05/2023 05:03 PM |
| 4092 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | default / current / limits config gestion | Theo Stassen | 16/05/2023 04:28 PM |
| 4091 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Global attributes and cdf name gestion | Theo Stassen | 16/05/2023 04:27 PM |
| 4089 | JUICE-SCM/Ground Segment | Task | In Progress | Normal | ConfigHandler modularity implementation | Theo Stassen | 17/05/2023 05:03 PM |
| 4088 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Completely change ConfigHandler functioning | Theo Stassen | 16/05/2023 03:40 PM |
| 4087 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Spectra densities plot and comparison | Theo Stassen | 16/05/2023 03:24 PM |
| 4086 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Spectra densities computation | Theo Stassen | 16/05/2023 02:19 PM |
| 4085 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Reorganise and simplify spectra related functions | Theo Stassen | 05/05/2023 06:41 PM |
| 4084 | JUICE-SCM/Ground Segment | 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 |
| 4083 | JUICE-SCM/Ground Segment | Feature | Resolved | Normal | Make documentation of all important implemented functions (concerning spectra and waveform manipulation) | Theo Stassen | 05/05/2023 06:35 PM |
| 4082 | JUICE-SCM/Ground Segment | 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 |
| 4081 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create Function that compare idl spectrum and computed spectrum | Theo Stassen | 27/04/2023 06:19 PM |
| 4079 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create function that plot multiple spectrograms | Theo Stassen | 26/04/2023 05:44 PM |
| 4078 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement a simple spectrogram plot | Theo Stassen | 26/04/2023 05:42 PM |
| 4077 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement function that compute the spectrogram of a waveform | Theo Stassen | 26/04/2023 05:41 PM |
| 4076 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implementation of ConfigHandler class | Theo Stassen | 26/04/2023 05:39 PM |

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| 4071 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | General class to compare waveforms, in order to compare easily different cdf results | Theo Stassen | 11/04/2023 03:11 PM |
| 4070 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement function that compare two l1b cdf file data | Theo Stassen | 11/04/2023 03:09 PM |
| 4069 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement the cdf writing of results | Theo Stassen | 11/04/2023 03:09 PM |
| 4068 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement the blocks separation, calibration and concatenation after being calibrated | Theo Stassen | 31/03/2023 06:07 PM |
| 4067 | JUICE-SCM/Ground Segment | Task | In Progress | Normal | Create Calibrate CDF function | Theo Stassen | 11/04/2023 03:09 PM |
| 4066 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement graphical comparison between idl and python calibration | Theo Stassen | 31/03/2023 06:03 PM |
| 4065 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Implement blk_con IDL function | Theo Stassen | 31/03/2023 06:03 PM |
| 4062 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Correct the documentation strings warnings and pylint errors (if possible) | Theo Stassen | 17/03/2023 05:49 PM |
| 4061 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | deconvo_vec convolution part | Theo Stassen | 24/03/2023 05:54 PM |
| 4060 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Unit test deconvo vec (for each window type) | Theo Stassen | 15/03/2023 04:31 PM |
| 4059 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Trapezoid window creation | Theo Stassen | 15/03/2023 04:31 PM |
| 4058 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Gaussian window creation | Theo Stassen | 15/03/2023 04:30 PM |
| 4057 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Coscut window creation | Theo Stassen | 15/03/2023 04:30 PM |
| 4056 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Shift kernel | Theo Stassen | 15/03/2023 04:29 PM |
| 4055 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Check real/imag parts | Theo Stassen | 15/03/2023 04:27 PM |
| 4054 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Hanning window creation | Theo Stassen | 15/03/2023 04:24 PM |
| 4053 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create deconvo_vec function (kernel part) | Theo Stassen | 15/03/2023 04:31 PM |
| 4052 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Full code documentation | Theo Stassen | 15/03/2023 04:07 PM |
| 4051 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Unit test kernel_creation | Theo Stassen | 15/03/2023 04:05 PM |
| 4050 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create the kernel_creation function | Theo Stassen | 15/03/2023 04:02 PM |
| 4045 | JUICE-SCM/Ground Segment | 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 |
| 4044 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create unit test for corgain (ant, dfb, bessel) | Theo Stassen | 14/03/2023 05:49 PM |
| 4043 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create the complete Kernel | Theo Stassen | 15/03/2023 04:05 PM |
| 4041 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Unit test Antenna filter | Theo Stassen | 02/03/2023 10:32 AM |
| 4040 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Unit test DFB | Theo Stassen | 24/02/2023 05:48 PM |
| 4039 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Unit test Bessel filter | Theo Stassen | 24/02/2023 05:46 PM |
| 4038 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Discover units test python methods and Create Unit tests of the kernel | Theo Stassen | 15/03/2023 12:48 PM |
| 4037 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Bandpass filter | Theo Stassen | 24/02/2023 05:42 PM |
| 4032 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Antenna response function | Theo Stassen | 02/03/2023 10:31 AM |
| 4031 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | DFB filter | Theo Stassen | 16/02/2023 05:38 PM |
| 4030 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Bessel filter | Theo Stassen | 15/02/2023 04:57 PM |

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|------|--------------------------|---------|-------------|----------|-----------------------------|--------------|---------------------|
| 4029 | JUICE-SCM/Ground Segment | Task | In Progress | Normal | Extract and export cdf file | Theo Stassen | 15/02/2023 04:54 PM |
| 4028 | JUICE-SCM/Ground Segment | Task | Resolved | Normal | Create Kernel in python | Theo Stassen | 02/03/2023 10:35 AM |