

## Issues

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
4123	JUICE-SCM/Ground Segment	Bug	Resolved	Normal	Resolve problems with epochs	Theo Stassen	23/06/2023 11:58 AM
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
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
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
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
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
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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
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
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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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