

## INSTRU - Issues

| #    | Tracker | Status      | Priority  | Subject                                                                                               | Assignee                | Updated             |
|------|---------|-------------|-----------|-------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| 2238 | Task    | New         | Normal    | Zoom sur l'axe Y d'un spectrogramme                                                                   |                         | 14/02/2019 09:59 AM |
| 2493 | Task    | New         | Normal    | Widget malin et ergonomique                                                                           |                         | 14/02/2019 09:59 AM |
| 1706 | Task    | New         | High      | Widget de connexion a AMDA                                                                            |                         | 14/02/2019 10:16 AM |
| 2083 | Task    | New         | Normal    | Widget de configuration du mock                                                                       |                         | 14/02/2019 09:59 AM |
| 20   | Task    | In Progress | Normal    | Version de la grlib ft                                                                                | Vincent Leray           | 04/06/2015 03:45 PM |
| 2102 | Task    | New         | Normal    | Vérifier le paramétrage de la synchronisation                                                         |                         | 14/02/2019 09:59 AM |
| 3850 | Task    | New         | High      | Validate BBM board(s)                                                                                 | Dominique Alison        | 20/05/2021 04:17 PM |
| 398  | Task    | New         | Normal    | Utilisez le script periodicity.py sur les tests de Gerald                                             | Veronique bouzid        | 25/05/2015 11:08 AM |
| 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 |
| 4229 | Task    | Resolved    | Normal    | Update documentation for time/solo extract                                                            | Theo Stassen            | 21/11/2023 06:50 PM |
| 4051 | Task    | Resolved    | Normal    | Unit test kernel_creation                                                                             | Theo Stassen            | 15/03/2023 04:05 PM |
| 4040 | Task    | Resolved    | Normal    | Unit test DFB                                                                                         | Theo Stassen            | 24/02/2023 05:48 PM |
| 4060 | Task    | Resolved    | Normal    | Unit test deconvo vec (for each window type)                                                          | Theo Stassen            | 15/03/2023 04:31 PM |
| 4039 | Task    | Resolved    | Normal    | Unit test Bessel filter                                                                               | Theo Stassen            | 24/02/2023 05:46 PM |
| 4041 | Task    | Resolved    | Normal    | Unit test Antenna filter                                                                              | Theo Stassen            | 02/03/2023 10:32 AM |
| 4059 | Task    | Resolved    | Normal    | Trapezoid window creation                                                                             | Theo Stassen            | 15/03/2023 04:31 PM |
| 2108 | Task    | In Progress | Normal    | Test unitaires complémentaires                                                                        |                         | 14/02/2019 09:59 AM |
| 4344 | Task    | Resolved    | Normal    | Test the extract of temperatures data                                                                 | Theo Stassen            | 08/04/2024 04:32 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 |
| 1378 | Task    | New         | Immediate | Test LFR boot Vs Temperature Vs sub_1V5 voltage                                                       | Alexis Jeandet          | 12/05/2017 04:29 PM |
| 2047 | Task    | New         | Normal    | test import/export VOTable                                                                            | Laurent Mirioni         | 14/02/2019 09:59 AM |
| 2110 | Task    | New         | Normal    | Test fonctionnelles AMDA aléatoire                                                                    |                         | 14/02/2019 09:59 AM |
| 3985 | Task    | Feedback    | Normal    | Test du chargement forcé des KCOEFF par défaut : écrasement des KCOEFF à bord                         | Alexis Jeandet          | 16/11/2022 05:16 PM |
| 15   | Task    | New         | Normal    | Taux de remplissage des FIFOs du waveform picker                                                      | Jean-Christophe Pellion | 03/12/2013 10:10 AM |
| 4139 | Task    | Resolved    | Normal    | Take the python code of David Pisa instead of Matlab code                                             | Theo Stassen            | 10/07/2023 04:52 PM |
| 2497 | Task    | New         | Normal    | Suppression d'un Evènement                                                                            |                         | 14/02/2019 09:59 AM |
| 2440 | Task    | New         | Normal    | Suppression d'un Evènement                                                                            |                         | 14/02/2019 09:59 AM |
| 2482 | Task    | New         | Normal    | Suppression d'évènement                                                                               |                         | 14/02/2019 09:59 AM |
| 2479 | Task    | New         | Normal    | Suppression des catalogues décochées                                                                  |                         | 14/02/2019 09:59 AM |
| 2441 | Task    | New         | Normal    | Suppression de tous les Evènements                                                                    |                         | 14/02/2019 09:59 AM |
| 1451 | Task    | New         | Immediate | Suppression d'un graphe d'une zone de visualisation                                                   |                         | 14/02/2019 10:16 AM |

| #    | Tracker | Status      | Priority | Subject                                                                                                                 | Assignee        | Updated             |
|------|---------|-------------|----------|-------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| 4108 | Task    | Resolved    | Normal   | Sphinx documentation with cross referencing, complete explanations, structurations : evaluation part                    | Theo Stassen    | 05/06/2023 06:31 PM |
| 4107 | Task    | Resolved    | Normal   | Sphinx documentation with cross referencing, complete explanations, structurations : configuration part                 | Theo Stassen    | 05/06/2023 06:30 PM |
| 4106 | Task    | Resolved    | Normal   | Sphinx documentation with cross referencing, complete explanations, structurations : calibration part                   | Theo Stassen    | 05/06/2023 06:29 PM |
| 2044 | Task    | In Progress | Normal   | spectro notebook                                                                                                        | Laurent Mirioni | 14/02/2019 09:59 AM |
| 4100 | Task    | Resolved    | Normal   | Spectra powers plot / comparison                                                                                        | Theo Stassen    | 30/05/2023 11:36 AM |
| 4099 | Task    | Resolved    | Normal   | Spectra powers computation                                                                                              | Theo Stassen    | 30/05/2023 11:16 AM |
| 4087 | Task    | Resolved    | Normal   | Spectra densities plot and comparison                                                                                   | Theo Stassen    | 16/05/2023 03:24 PM |
| 4086 | Task    | Resolved    | Normal   | Spectra densities computation                                                                                           | Theo Stassen    | 16/05/2023 02:19 PM |
| 4241 | Task    | Resolved    | Normal   | Software exploration for documentation tools following the professional training.                                       | Theo Stassen    | 06/12/2023 02:17 PM |
| 4056 | Task    | Resolved    | Normal   | Shift kernel                                                                                                            | Theo Stassen    | 15/03/2023 04:29 PM |
| 2060 | Task    | New         | Normal   | Settings plot par défaut + ergonomie (axes, légendes..)                                                                 |                 | 14/02/2019 09:59 AM |
| 2498 | Task    | New         | Normal   | SearchBox modifie le catalogue et son attribut requête                                                                  |                 | 14/02/2019 09:59 AM |
| 2448 | Task    | New         | Normal   | SearchBox modifie le catalogue et son attribut requête                                                                  |                 | 14/02/2019 09:59 AM |
| 4343 | Task    | Resolved    | Normal   | Search different support data (temperatures, reaction wheels, etc)                                                      | Theo Stassen    | 08/04/2024 04:31 PM |
| 2081 | Task    | New         | Normal   | Sciqlop sur MAC                                                                                                         |                 | 14/02/2019 09:59 AM |
| 4109 | Task    | Resolved    | Normal   | Rewrite the readme with a summary of the documentation                                                                  | Theo Stassen    | 08/06/2023 10:32 AM |
| 1880 | Task    | New         | Normal   | Révision de la conception du doc API                                                                                    |                 | 14/02/2019 10:16 AM |
| 2442 | Task    | New         | Normal   | Restauration d'un Evènement                                                                                             |                 | 14/02/2019 09:59 AM |
| 4140 | Task    | Resolved    | Normal   | Resolve the problem with epochs to be able to quicklook data                                                            | Theo Stassen    | 10/07/2023 04:56 PM |
| 4327 | Task    | Resolved    | Normal   | Resolve the problem concerning SID3 2024 extraction                                                                     | Theo Stassen    | 21/03/2024 02:37 PM |
| 4326 | Task    | Resolved    | Normal   | Resolve the problem concerning cdfs epoch extraction for 2024                                                           | Theo Stassen    | 21/03/2024 02:36 PM |
| 4129 | Task    | Resolved    | Normal   | Resolve plenty of problems concerning configHandler                                                                     | Theo Stassen    | 03/07/2023 04:48 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 |
| 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 |
| 4328 | Task    | Resolved    | Normal   | Research to find a standardisation system for logging, and experiments                                                  | Theo Stassen    | 21/03/2024 03:01 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 |
| 3619 | Task    | New         | Normal   | Répartition des tâches                                                                                                  |                 | 01/02/2021 09:34 AM |
| 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 |
| 4113 | Task    | Resolved    | Normal   | Reorganise functions (kernel conv window, waveform padding, set frequency first, calfactor                              | Theo Stassen    | 09/06/2023 06:43 PM |
| 4085 | Task    | Resolved    | Normal   | Reorganise and simplify spectra related functions                                                                       | Theo Stassen    | 05/05/2023 06:41 PM |
| 4227 | Task    | Resolved    | Normal   | Reorganisation of the python scripts for modularisation                                                                 | Theo Stassen    | 17/11/2023 06:57 PM |
| 4151 | Task    | Resolved    | Normal   | Reorganisation of kernel construction                                                                                   | Theo Stassen    | 21/07/2023 06:56 PM |

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|------|---------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------|
| 3144 | Task    | New         | Normal   | Remove variable type inference from metadata "static DataSeriesType findDataSeriesType(const QVariantHash &metadata)"                    |                | 14/02/2019 10:37 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 |
| 1589 | Task    | New         | Normal   | Regarder l'cov sous windows                                                                                                              |                | 14/02/2019 10:16 AM |
| 704  | Task    | New         | Normal   | Readme in QLOP source code                                                                                                               |                | 14/02/2019 10:16 AM |
| 4101 | Task    | Resolved    | Normal   | Quicklook computation / plot                                                                                                             | Theo Stassen   | 30/05/2023 11:32 AM |
| 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 |
| 4361 | Task    | Resolved    | Normal   | Produce and test the creation of big quicklooks with calibrated data                                                                     | Theo Stassen   | 23/04/2024 03:18 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 |
| 873  | Task    | New         | Normal   | Prévoir un test où l'on vérifie la superposition des masques RW + FBINS                                                                  | bruno katra    | 30/12/2016 04:35 PM |
| 4024 | Task    | New         | Normal   | Première version calibration python                                                                                                      | Theo Stassen   | 28/07/2023 07:02 PM |
| 18   | Task    | Feedback    | Normal   | PPBI et programmation des FPGA                                                                                                           | Vincent Leray  | 05/01/2015 01:08 PM |
| 260  | Task    | New         | High     | Part Stress Analysis                                                                                                                     | Alexis Jeandet | 21/11/2014 09:30 AM |
| 4103 | Task    | Resolved    | Normal   | Modularisation of calibrate data block                                                                                                   | Theo Stassen   | 30/05/2023 11:36 AM |
| 4164 | Task    | Resolved    | Normal   | Modify the visuals of interactive and static quicklook to be more modular                                                                | Theo Stassen   | 05/09/2023 06:38 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 |
| 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 |
| 4216 | Task    | Resolved    | Normal   | Modify the extract args and env var method to handle solo and multiple extract in one time                                               | Theo Stassen   | 06/11/2023 12:12 PM |
| 4284 | Task    | Resolved    | Normal   | Modify the code to be coherent in physical units                                                                                         | Theo Stassen   | 09/02/2024 06:53 PM |
| 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 |
| 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 |
| 1756 | Task    | New         | Urgent   | Mock sous linux                                                                                                                          |                | 14/02/2019 10:16 AM |
| 2082 | Task    | New         | Normal   | Mock rampe                                                                                                                               |                | 14/02/2019 09:59 AM |
| 3991 | Task    | In Progress | Normal   | Mise en place d'un protocole de test pour la validation de la correction du bug sur le moyennage des SM à F0 et F1                       | bruno katra    | 14/12/2022 12:54 PM |
| 4115 | Task    | In Progress | Normal   | Mise à jour DP R3.3 suite à émission des RIDS par le CNES                                                                                | bruno katra    | 08/08/2023 03:00 PM |
| 1947 | Task    | New         | Normal   | Mettre en place un timeout lié à la perte de débit                                                                                       |                | 14/02/2019 10:16 AM |
| 4362 | Task    | Resolved    | Normal   | Meeting with Alessandro on the calibration results                                                                                       | Theo Stassen   | 23/04/2024 03:18 PM |
| 2455 | Task    | New         | Normal   | Mauvaise synchronisation entre deux graphes                                                                                              |                | 14/02/2019 09:59 AM |
| 2390 | Task    | New         | Normal   | Mauvaise représentation Y des spectrogrammes                                                                                             |                | 14/02/2019 09:59 AM |
| 3877 | Task    | In Progress | Normal   | Matrices de passage par défaut pour les ASM : à valider                                                                                  | Alexis Jeandet | 11/03/2022 06:55 PM |
| 4268 | Task    | Resolved    | Normal   | Make the writing and initialization parts separated from the others                                                                      | Theo Stassen   | 19/01/2024 07:06 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 |

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|------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------------|------------------|---------------------|
| 4228 | Task    | Resolved    | Normal   | Make the GUI a general tool, replacing the interact interface                                                   | Theo Stassen     | 17/11/2023 07:01 PM |
| 4132 | Task    | Resolved    | Normal   | Make the cdf data extraction modular to prepare the different extraction needed                                 | Theo Stassen     | 03/07/2023 04:52 PM |
| 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 |
| 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 |
| 4093 | Task    | Resolved    | Normal   | Make class for deduce parameter values, depending on other parameters                                           | Theo Stassen     | 17/05/2023 05:03 PM |
| 4190 | Task    | Resolved    | Normal   | Make all the variables of input cdf be in output cdf                                                            | Theo Stassen     | 10/10/2023 06:55 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 |
| 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 |
| 2109 | Task    | In Progress | Normal   | MAJ Test fonctionnelles AMDA                                                                                    |                  | 14/02/2019 09:59 AM |
| 4003 | Task    | New         | Normal   | MàJ du document Ground Segment Development Plan for RPWI                                                        | Laurent Mirioni  | 07/12/2022 05:30 PM |
| 2477 | Task    | New         | Normal   | L'affichage utilise les évènements/catalogues dans leur état modifié                                            |                  | 14/02/2019 09:59 AM |
| 3613 | Task    | In Progress | Normal   | Liste du matériel/logiciel                                                                                      | joel moutoussamy | 23/01/2021 05:30 PM |
| 697  | Task    | New         | Normal   | LFR technical specification updates related to FSW-R3+                                                          | Alexis Jeandet   | 22/06/2018 05:24 PM |
| 1273 | Task    | In Progress | Normal   | Lecture du squelette (API générale)                                                                             |                  | 14/02/2019 10:16 AM |
| 2480 | Task    | New         | Normal   | Le déplacement d'un évènement sur l'affichage doit entrainer la modification de l'évènement depuis l'inspecteur |                  | 14/02/2019 09:59 AM |
| 2052 | Task    | New         | Normal   | layout dynamique des plots                                                                                      |                  | 14/02/2019 09:59 AM |
| 1948 | Task    | New         | Normal   | Lancer l'annulation de la requête en cas de timeout de débit                                                    |                  | 14/02/2019 10:16 AM |
| 4094 | Task    | Resolved    | Normal   | kernel_creation.py reworked for modularity                                                                      | Theo Stassen     | 16/05/2023 04:31 PM |
| 4180 | Task    | Resolved    | Normal   | JUICE quicklook analysis                                                                                        | Theo Stassen     | 29/09/2023 06:45 PM |
| 4179 | Task    | Resolved    | Normal   | Juice files first calibration                                                                                   | Theo Stassen     | 29/09/2023 06:47 PM |
| 2118 | Task    | New         | Normal   | Intégrer le nouveau format JSON                                                                                 |                  | 14/02/2019 09:59 AM |
| 2089 | Task    | In Progress | Normal   | Indiquer pour une variable son état d'acquisition                                                               |                  | 14/02/2019 09:59 AM |
| 4239 | Task    | Resolved    | Normal   | Improvements and bug resolve for temperature spectrum computing and plots                                       | Theo Stassen     | 06/12/2023 02:15 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 |
| 663  | Task    | In Progress | Normal   | Improve filter performance in space data tree                                                                   |                  | 14/02/2019 10:16 AM |
| 4306 | Task    | Resolved    | Normal   | Improve and simplify some parameters calls and use                                                              | Theo Stassen     | 23/02/2024 06:53 PM |
| 4168 | Task    | Resolved    | Normal   | Improve and resolve problems / bugs concerning interactive plots                                                | Theo Stassen     | 18/09/2023 01:55 PM |
| 492  | Task    | New         | Normal   | Implementation Timing LFR                                                                                       | Veronique bouzid | 21/09/2015 09:53 AM |
| 4076 | Task    | Resolved    | Normal   | Implementation of ConfigHandler class                                                                           | Theo Stassen     | 26/04/2023 05:39 PM |
| 2056 | Task    | New         | Normal   | implémentation du GUI catalog                                                                                   |                  | 14/02/2019 09:59 AM |
| 2050 | Task    | New         | Normal   | implémentation du backend catalog                                                                               |                  | 14/02/2019 09:59 AM |
| 4069 | Task    | Resolved    | Normal   | Implement the cdf writing of results                                                                            | Theo Stassen     | 11/04/2023 03:09 PM |

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|------|---------|-------------|----------|---------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| 4068 | Task    | Resolved    | Normal   | Implement the blocks separation, calibration and concatenation after being calibrated                               | Theo Stassen    | 31/03/2023 06:07 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 |
| 4095 | Task    | Resolved    | Normal   | Implement system of class extends for kernel creation and deduce_parameters                                         | Theo Stassen    | 17/05/2023 05:08 PM |
| 4066 | Task    | Resolved    | Normal   | Implement graphical comparison between idl and python calibration                                                   | Theo Stassen    | 31/03/2023 06:03 PM |
| 4077 | Task    | Resolved    | Normal   | Implement function that compute the spectrogram of a waveform                                                       | Theo Stassen    | 26/04/2023 05:41 PM |
| 4070 | Task    | Resolved    | Normal   | Implement function that compare two l1b cdf file data                                                               | Theo Stassen    | 11/04/2023 03:09 PM |
| 4065 | Task    | Resolved    | Normal   | Implement blk_con IDL function                                                                                      | Theo Stassen    | 31/03/2023 06:03 PM |
| 4078 | Task    | Resolved    | Normal   | Implement a simple spectrogram plot                                                                                 | Theo Stassen    | 26/04/2023 05:42 PM |
| 4130 | Task    | Resolved    | Normal   | Implement a first bash script, with auto venv use                                                                   | Theo Stassen    | 03/07/2023 04:49 PM |
| 2117 | Task    | New         | Normal   | Identifier un trou de donnée                                                                                        |                 | 14/02/2019 09:59 AM |
| 4054 | Task    | Resolved    | Normal   | Hanning window creation                                                                                             | Theo Stassen    | 15/03/2023 04:24 PM |
| 4091 | Task    | Resolved    | Normal   | Global attributes and cdf name gestion                                                                              | Theo Stassen    | 16/05/2023 04:27 PM |
| 4325 | Task    | Resolved    | Normal   | Generate a directory with quicklooks of all cdfs from 2023/2024                                                     | Theo Stassen    | 21/03/2024 12:47 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 |
| 4058 | Task    | Resolved    | Normal   | Gaussian window creation                                                                                            | Theo Stassen    | 15/03/2023 04:30 PM |
| 4256 | Task    | Resolved    | Normal   | Gathering and analysis of all remaining open tasks                                                                  | Theo Stassen    | 09/01/2024 06:37 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 |
| 4052 | Task    | Resolved    | Normal   | Full code documentation                                                                                             | Theo Stassen    | 15/03/2023 04:07 PM |
| 4033 | Task    | Resolved    | Normal   | Fourier transform (and inverse transform) function                                                                  | Theo Stassen    | 14/03/2023 05:49 PM |
| 4000 | Task    | In Progress | High     | Formatage des commentaires MMS/SCM                                                                                  | Laurent Mirioni | 04/01/2023 12:04 PM |
| 4208 | Task    | Resolved    | Normal   | First version of a "time extract" method                                                                            | Theo Stassen    | 27/10/2023 05:44 PM |
| 4210 | Task    | Resolved    | Normal   | Finish complete time extract method                                                                                 | Theo Stassen    | 06/11/2023 11:57 AM |
| 4223 | Task    | Resolved    | Normal   | Find the problem of difference between matlab and python code                                                       | Theo Stassen    | 13/11/2023 06:54 PM |
| 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 |
| 4158 | Task    | Resolved    | Normal   | Find proper tools and solutions fo allow data refresh in quicklook                                                  | Theo Stassen    | 31/08/2023 06:24 PM |
| 4159 | Task    | Resolved    | Normal   | Find proper solution for zoom / move of data                                                                        | Theo Stassen    | 31/08/2023 06:28 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 |
| 2494 | Task    | New         | Normal   | Filtre les événements                                                                                               |                 | 14/02/2019 09:59 AM |
| 126  | Task    | New         | Normal   | Fill the feature page                                                                                               | Alexis Jeandet  | 23/04/2014 08:42 AM |
| 2054 | Task    | New         | Normal   | feedback/debug spectro                                                                                              |                 | 14/02/2019 09:59 AM |
| 2057 | Task    | New         | Normal   | feedback debug GUI catalog                                                                                          |                 | 14/02/2019 09:59 AM |

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|------|---------|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| 3897 | Task    | In Progress | Low       | Faire un test avec les matrices de chgt de repère/calibration mises à 1 et 0 pour reproduire le comportement du FSW <=3.2.0.24 | bruno katra             | 06/10/2022 11:13 AM |
| 4029 | Task    | In Progress | Normal    | Extract and export cdf file                                                                                                    | Theo Stassen            | 15/02/2023 04:54 PM |
| 2487 | Task    | New         | Normal    | Exporter un DB via menu contextuelle du nœud DB                                                                                |                         | 14/02/2019 09:59 AM |
| 3814 | Task    | New         | High      | Electronics BBM                                                                                                                |                         | 30/05/2021 04:53 PM |
| 1340 | Task    | New         | Immediate | Edition par drag-and-drop d'un intervalle de temps d'un catalogue                                                              |                         | 14/02/2019 10:16 AM |
| 2165 | Task    | New         | Normal    | Drop de produits dans la visu                                                                                                  |                         | 14/02/2019 09:59 AM |
| 2222 | Task    | New         | Normal    | Drop d'évènements dans la visu                                                                                                 |                         | 14/02/2019 09:59 AM |
| 2048 | Task    | New         | Normal    | Drag and Drop                                                                                                                  |                         | 14/02/2019 09:59 AM |
| 3998 | Task    | New         | High      | Documenter le code MMS/SCM avec IDLdoc                                                                                         | Laurent Mirioni         | 04/01/2023 12:04 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 |
| 16   | Task    | In Progress | Normal    | Documentation système du module Spectral Matrices"                                                                             | Jean-Christophe Pellion | 10/02/2015 04:28 PM |
| 4242 | Task    | Resolved    | Normal    | Documentation improvements following the professional training                                                                 | Theo Stassen            | 06/12/2023 02:18 PM |
| 4206 | Task    | Resolved    | Normal    | Documentation complete add and upgrade                                                                                         | Theo Stassen            | 27/10/2023 05:43 PM |
| 4257 | Task    | Resolved    | Normal    | Discovering of the Ruff linter and formatter+ experiments                                                                      | Theo Stassen            | 09/01/2024 06:38 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 |
| 4261 | Task    | Resolved    | Normal    | Discover of pytest and add to pre commit hooks                                                                                 | Theo Stassen            | 12/01/2024 06:46 PM |
| 2214 | Task    | New         | Normal    | Diff de catalogue                                                                                                              |                         | 14/02/2019 09:59 AM |
| 4031 | Task    | Resolved    | Normal    | DFB filter                                                                                                                     | Theo Stassen            | 16/02/2023 05:38 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 |
| 2055 | Task    | New         | Normal    | design GUI catalog                                                                                                             |                         | 14/02/2019 09:59 AM |
| 2058 | Task    | New         | Normal    | Design et implementation curseurs/zone dans les plots                                                                          |                         | 14/02/2019 09:59 AM |
| 2049 | Task    | New         | Normal    | design backend catalog                                                                                                         |                         | 14/02/2019 09:59 AM |
| 2061 | Task    | New         | Normal    | design + implementation sélection temps versus orbit                                                                           |                         | 14/02/2019 09:59 AM |
| 4092 | Task    | Resolved    | Normal    | default / current / limits config gestion                                                                                      | Theo Stassen            | 16/05/2023 04:28 PM |
| 4061 | Task    | Resolved    | Normal    | deconvo_vec convolution part                                                                                                   | Theo Stassen            | 24/03/2023 05:54 PM |
| 228  | Task    | In Progress | Normal    | DECIMATION                                                                                                                     | Jean-Christophe Pellion | 05/06/2015 03:25 PM |
| 2059 | Task    | New         | Normal    | debug/feedback curseurs zones                                                                                                  |                         | 14/02/2019 09:59 AM |
| 2051 | Task    | New         | Normal    | debug/feedback backend catalog                                                                                                 |                         | 14/02/2019 09:59 AM |
| 4267 | Task    | In Progress | Normal    | Creation of a visual documentation of the code                                                                                 | Theo Stassen            | 09/02/2024 06:47 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 |

| #    | Tracker | Status      | Priority  | Subject                                                                                                    | Assignee     | Updated             |
|------|---------|-------------|-----------|------------------------------------------------------------------------------------------------------------|--------------|---------------------|
| 4258 | Task    | Resolved    | Normal    | Creation of a ruff pre commit hook                                                                         | Theo Stassen | 12/01/2024 06:44 PM |
| 2488 | Task    | New         | Normal    | Création de catalogue à partir d'union d'autre catalogues                                                  |              | 14/02/2019 09:59 AM |
| 2489 | Task    | New         | Normal    | Création de catalogue à partir d'intersection d'autre catalogues                                           |              | 14/02/2019 09:59 AM |
| 1435 | Task    | New         | Immediate | Création d'une zone de visualisation depuis un catalogue (drag-and-drop)                                   |              | 14/02/2019 10:16 AM |
| 1677 | Task    | New         | Normal    | Création d'une zone de visualisation depuis l'arborescence de données (menu)                               |              | 14/02/2019 10:16 AM |
| 4044 | Task    | Resolved    | Normal    | Create unit test for corgain (ant, dfb, bessel)                                                            | Theo Stassen | 14/03/2023 05:49 PM |
| 4050 | Task    | Resolved    | Normal    | Create the kernel_creation function                                                                        | Theo Stassen | 15/03/2023 04:02 PM |
| 4043 | Task    | Resolved    | Normal    | Create the complete Kernel                                                                                 | Theo Stassen | 15/03/2023 04:05 PM |
| 4124 | Task    | Resolved    | Normal    | Create script with inline inputs, for calibrate and quicklook                                              | Theo Stassen | 23/06/2023 12:02 PM |
| 4196 | Task    | Resolved    | Normal    | Create script for documentation generation (cleaning/creation/show)                                        | Theo Stassen | 17/10/2023 04:48 PM |
| 4282 | Task    | Resolved    | Normal    | Create pdf user documentation (Three first iterations)                                                     | Theo Stassen | 09/02/2024 06:49 PM |
| 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 |
| 4028 | Task    | Resolved    | Normal    | Create Kernel in python                                                                                    | Theo Stassen | 02/03/2023 10:35 AM |
| 4157 | Task    | In Progress | Normal    | Create interactive version of quicklook, to analyse cdf data                                               | Theo Stassen | 18/09/2023 02:02 PM |
| 4145 | Task    | Resolved    | Normal    | Create generic log printer (for log file and/or terminal)                                                  | Theo Stassen | 17/07/2023 11:03 AM |
| 4105 | Task    | Resolved    | Normal    | Create functional Diagram of the code                                                                      | Theo Stassen | 05/06/2023 06:27 PM |
| 4079 | Task    | Resolved    | Normal    | Create function that plot multiple spectrograms                                                            | Theo Stassen | 26/04/2023 05:44 PM |
| 4081 | Task    | Resolved    | Normal    | Create Function that compare idl spectrum and computed spectrum                                            | Theo Stassen | 27/04/2023 06:19 PM |
| 4053 | Task    | Resolved    | Normal    | Create deconvo_vec function (kernel part)                                                                  | Theo Stassen | 15/03/2023 04:31 PM |
| 4067 | Task    | In Progress | Normal    | Create Calibrate CDF function                                                                              | Theo Stassen | 11/04/2023 03:09 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 |
| 4160 | Task    | Resolved    | Normal    | Create a version of quicklook with some parameter buttons that modify spectra                              | Theo Stassen | 31/08/2023 06:29 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 |
| 4221 | Task    | Resolved    | Normal    | Create a GUI for selection of a range of time to plot                                                      | Theo Stassen | 13/11/2023 06:50 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 |
| 4057 | Task    | Resolved    | Normal    | Cosclub window creation                                                                                    | Theo Stassen | 15/03/2023 04:30 PM |
| 4062 | Task    | Resolved    | Normal    | Correct the documentation strings warnings and pylint errors (if possible)                                 | Theo Stassen | 17/03/2023 05:49 PM |
| 4089 | Task    | In Progress | Normal    | ConfigHandler modularity implementation                                                                    | Theo Stassen | 17/05/2023 05:03 PM |
| 4102 | Task    | Resolved    | Normal    | Config Handler and config files modifications / improvements                                               | Theo Stassen | 30/05/2023 11:35 AM |
| 4088 | Task    | Resolved    | Normal    | Completely change ConfigHandler functioning                                                                | Theo Stassen | 16/05/2023 03:40 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 |
| 4181 | Task    | Resolved    | Normal    | Code reorganisation to have scripts separately + debugging                                                 | Theo Stassen | 29/09/2023 06:47 PM |

| #    | Tracker | Status      | Priority  | Subject                                                                                                              | Assignee         | Updated             |
|------|---------|-------------|-----------|----------------------------------------------------------------------------------------------------------------------|------------------|---------------------|
| 674  | Task    | New         | Normal    | code comments                                                                                                        |                  | 14/02/2019 10:16 AM |
| 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 |
| 4307 | Task    | Resolved    | Normal    | Clean and simplify the config files                                                                                  | Theo Stassen     | 23/02/2024 06:54 PM |
| 4055 | Task    | Resolved    | Normal    | Check real/imag parts                                                                                                | Theo Stassen     | 15/03/2023 04:27 PM |
| 2491 | Task    | New         | Normal    | Changement version sciqlop                                                                                           |                  | 14/02/2019 09:59 AM |
| 4308 | Task    | Resolved    | Normal    | Change the way the datetimes are corrected                                                                           | Theo Stassen     | 23/02/2024 06:55 PM |
| 4245 | Task    | Resolved    | Normal    | Change the code from pyenv environnement to poetry environment                                                       | Theo Stassen     | 06/12/2023 02:23 PM |
| 4244 | Task    | Resolved    | Normal    | Bug solving for spectrum computation problems                                                                        | Theo Stassen     | 06/12/2023 02:20 PM |
| 4030 | Task    | Resolved    | Normal    | Bessel filter                                                                                                        | Theo Stassen     | 15/02/2023 04:57 PM |
| 4364 | Task    | Resolved    | Normal    | Benchmarking of the code execution for really big files                                                              | Theo Stassen     | 23/04/2024 03:22 PM |
| 3813 | Task    | New         | High      | BBM                                                                                                                  |                  | 30/05/2021 04:53 PM |
| 4037 | Task    | Resolved    | Normal    | Bandpass filter                                                                                                      | Theo Stassen     | 24/02/2023 05:42 PM |
| 2460 | Task    | Feedback    | Normal    | Augmentation des marges lors du drop d'une variable                                                                  |                  | 14/02/2019 09:59 AM |
| 1851 | Task    | In Progress | Normal    | Arranger les labels de temps pour plus de précisions                                                                 |                  | 14/02/2019 10:16 AM |
| 2046 | Task    | New         | Normal    | arbre JSON                                                                                                           | Laurent Mirioni  | 14/02/2019 09:59 AM |
| 4032 | Task    | Resolved    | Normal    | Antenna response function                                                                                            | Theo Stassen     | 02/03/2023 10:31 AM |
| 4365 | Task    | Resolved    | Normal    | Annual Report writing                                                                                                | Theo Stassen     | 23/04/2024 03:24 PM |
| 4110 | Task    | Resolved    | Normal    | Analyse fichiers L1A JUICE                                                                                           | Theo Stassen     | 08/06/2023 10:36 AM |
| 3612 | Task    | In Progress | Normal    | Analyse du cahier des charges                                                                                        | joel moutoussamy | 23/01/2021 05:27 PM |
| 2251 | Task    | New         | Normal    | Amélioration du drop sur un graphe existant                                                                          |                  | 14/02/2019 09:59 AM |
| 2486 | Task    | New         | Normal    | Ajouter un DB via un menu dédié                                                                                      |                  | 14/02/2019 09:59 AM |
| 2495 | Task    | New         | Normal    | Ajouter un Catalogue dynamique                                                                                       |                  | 14/02/2019 09:59 AM |
| 2509 | Task    | New         | Normal    | Ajouter l'opération d'annulation                                                                                     |                  | 14/02/2019 09:59 AM |
| 2492 | Task    | New         | Normal    | Ajout/suppression du menu File                                                                                       |                  | 14/02/2019 09:59 AM |
| 2439 | Task    | New         | Normal    | Ajout d'un Evènement                                                                                                 |                  | 14/02/2019 09:59 AM |
| 2476 | Task    | New         | Normal    | Ajout de la roue et de son sous menu lié au catalogue                                                                |                  | 14/02/2019 09:59 AM |
| 1459 | Task    | New         | Immediate | Ajout d'une variable dans un nouveau graphe depuis un catalogue (drag-and-drop)                                      |                  | 14/02/2019 10:16 AM |
| 1453 | Task    | New         | Immediate | Ajout d'une variable dans un graphe existant depuis un catalogue (drag-and-drop)                                     |                  | 14/02/2019 10:16 AM |
| 1691 | Task    | New         | Immediate | Ajout d'une variable dans un graphe existant depuis l'arborescence de données (menu)                                 |                  | 14/02/2019 10:16 AM |
| 2045 | Task    | In Progress | High      | aide spectro                                                                                                         | Laurent Mirioni  | 14/02/2019 09:59 AM |
| 2103 | Task    | New         | Normal    | Affiner les étapes de téléchargement de la progress bar                                                              |                  | 14/02/2019 09:59 AM |
| 2443 | Task    | New         | Normal    | Afficher le nombre d'Evènement dedans depuis le nœud                                                                 |                  | 14/02/2019 09:59 AM |



| #    | Tracker | Status   | Priority | Subject                                                                                                            | Assignee        | Updated             |
|------|---------|----------|----------|--------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|
| 2483 | Task    | New      | Normal   | Affichage d'un catalogue sur une zone                                                                              |                 | 14/02/2019 09:59 AM |
| 2478 | Task    | New      | Normal   | Affichage des catalogues cochées                                                                                   |                 | 14/02/2019 09:59 AM |
| 1786 | Task    | New      | High     | Affichage d'une marqueur vertical                                                                                  |                 | 14/02/2019 10:16 AM |
| 4226 | Task    | Resolved | Normal   | Advances in the comparison between Matlab and python results                                                       | Theo Stassen    | 17/11/2023 06:54 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 |
| 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 |
| 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 |
| 4287 | Task    | Resolved | Normal   | Add of some modularisation in parameters                                                                           | Theo Stassen    | 23/02/2024 06:51 PM |
| 4262 | Task    | Resolved | Normal   | Add multiple pytests (init, extract, display)                                                                      | Theo Stassen    | 12/01/2024 06:46 PM |
| 4112 | Task    | Resolved | Normal   | Add freq samp deducing function in deduce parameters                                                               | Theo Stassen    | 09/06/2023 06:41 PM |
| 4120 | Task    | Resolved | Normal   | Add documentation on all code parameters                                                                           | Theo Stassen    | 19/06/2023 05:45 PM |
| 4260 | Task    | Resolved | Normal   | Add documentation handle in pre commit hooks                                                                       | Theo Stassen    | 12/01/2024 06:45 PM |
| 4171 | Task    | Resolved | Normal   | Add buttons to change the content struct                                                                           | Theo Stassen    | 18/09/2023 02:02 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 |
| 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 |
| 4001 | Task    | New      | Normal   | Adapter le code IDL d'MMS/SCM à JUICE/SCM                                                                          | Laurent Mirioni | 07/12/2022 07:44 AM |
| 4133 | Task    | Resolved | Normal   | Adapt the matlab code for cdf data extraction (JUICE sid7)                                                         | Theo Stassen    | 10/07/2023 04:46 PM |
| 4116 | Task    | Resolved | Normal   | Adapt the code to use SCHB mode                                                                                    | Theo Stassen    | 15/06/2023 06:30 PM |
| 4117 | Task    | Resolved | Normal   | Adapt the code to have correct visual representation of SHCB results                                               | Theo Stassen    | 15/06/2023 06:33 PM |
| 4172 | Task    | Resolved | Normal   | Adapt the calibration / evaluation code to allow JUICE files                                                       | Theo Stassen    | 18/09/2023 02:07 PM |
| 2444 | Task    | New      | Normal   | Actions « Empty Trash » depuis menu contextuel                                                                     |                 | 14/02/2019 09:59 AM |
| 1376 | Task    | New      | Low      | Acquisition de données (API générale)                                                                              |                 | 14/02/2019 10:16 AM |
| 1274 | Task    | New      | Low      | Acquisition de données (API générale)                                                                              |                 | 14/02/2019 10:16 AM |