

## INSTRU - Issues

| #    | Tracker | Status      | Priority  | Subject  | Assignee                | Updated             |
|------|---------|-------------|-----------|--|-------------------------|---------------------|
| 15   | Task    | New         | Normal    | Taux de remplissage des FIFOs du waveform picker                                     | Jean-Christophe Pellion | 03/12/2013 10:10 AM |
| 16   | Task    | In Progress | Normal    | Documentation système du module Spectral Matrices"                                   | Jean-Christophe Pellion | 10/02/2015 04:28 PM |
| 18   | Task    | Feedback    | Normal    | PPBI et programmation des FPGA   | Vincent Leray           | 05/01/2015 01:08 PM |
| 20   | Task    | In Progress | Normal    | Version de la grlib ft   | Vincent Leray           | 04/06/2015 03:45 PM |
| 126  | Task    | New         | Normal    | Fill the feature page  | Alexis Jeandet          | 23/04/2014 08:42 AM |
| 228  | Task    | In Progress | Normal    | DECIMATION   | Jean-Christophe Pellion | 05/06/2015 03:25 PM |
| 260  | Task    | New         | High      | Part Stress Analysis   | Alexis Jeandet          | 21/11/2014 09:30 AM |
| 398  | Task    | New         | Normal    | Utilisez le script periodicity.py sur les tests de Gerald                            | Veronique bouzid        | 25/05/2015 11:08 AM |
| 492  | Task    | New         | Normal    | Implementation Timing LFR  | Veronique bouzid        | 21/09/2015 09:53 AM |
| 663  | Task    | In Progress | Normal    | Improve filter performance in space data tree  |                         | 14/02/2019 10:16 AM |
| 674  | Task    | New         | Normal    | code comments  |                         | 14/02/2019 10:16 AM |
| 697  | Task    | New         | Normal    | LFR technical specification updates related to FSW-R3+                               | Alexis Jeandet          | 22/06/2018 05:24 PM |
| 704  | Task    | New         | Normal    | Readme in QLop soure code  |                         | 14/02/2019 10:16 AM |
| 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 |
| 1273 | Task    | In Progress | Normal    | Lecture du squelette (API générale)  |                         | 14/02/2019 10:16 AM |
| 1274 | Task    | New         | Low       | Acquisition de données (API générale)  |                         | 14/02/2019 10:16 AM |
| 1340 | Task    | New         | Immediate | Edition par drag-and-drop d'un intervalle de temps d'un catalogue                    |                         | 14/02/2019 10:16 AM |
| 1376 | Task    | New         | Low       | Acquisition de données (API générale)  |                         | 14/02/2019 10:16 AM |
| 1378 | Task    | New         | Immediate | Test LFR boot Vs Temperature Vs sub_1V5 voltage                                      | Alexis Jeandet          | 12/05/2017 04:29 PM |
| 1435 | Task    | New         | Immediate | Création d'une zone de visualisation depuis un catalogue (drag-and-drop)             |                         | 14/02/2019 10:16 AM |
| 1451 | Task    | New         | Immediate | Suppression d'un graphe d'une zone de visualisation                                  |                         | 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 |
| 1459 | Task    | New         | Immediate | Ajout d'une variable dans un nouveau graphe depuis un catalogue (drag-and-drop)      |                         | 14/02/2019 10:16 AM |
| 1589 | Task    | New         | Normal    | Regarder l'cov sous windows  |                         | 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 |
| 1691 | Task    | New         | Immediate | Ajout d'une variable dans un graphe existant depuis l'arborescence de données (menu) |                         | 14/02/2019 10:16 AM |
| 1706 | Task    | New         | High      | Widget de connexion a AMDA   |                         | 14/02/2019 10:16 AM |
| 1756 | Task    | New         | Urgent    | Mock sous linux  |                         | 14/02/2019 10:16 AM |
| 1786 | Task    | New         | High      | Affichage d'une marqueur vertical  |                         | 14/02/2019 10:16 AM |
| 1851 | Task    | In Progress | Normal    | Arranger les labels de temps pour plus de précisions                                 |                         | 14/02/2019 10:16 AM |
| 1880 | Task    | New         | Normal    | Révision de la conception du doc API   |                         | 14/02/2019 10:16 AM |

| #    | Tracker | Status      | Priority | Subject  | Assignee        | Updated             |
|------|---------|-------------|----------|--|-----------------|---------------------|
| 1947 | Task    | New         | Normal   | Mettre en place un timeout lié à la perte de débit           |                 | 14/02/2019 10:16 AM |
| 1948 | Task    | New         | Normal   | Lancer l'annulation de la requête en cas de timeout de débit |                 | 14/02/2019 10:16 AM |
| 2044 | Task    | In Progress | Normal   | spectro notebook   | Laurent Mirioni | 14/02/2019 09:59 AM |
| 2045 | Task    | In Progress | High     | aide spectro   | Laurent Mirioni | 14/02/2019 09:59 AM |
| 2046 | Task    | New         | Normal   | arbre JSON   | Laurent Mirioni | 14/02/2019 09:59 AM |
| 2047 | Task    | New         | Normal   | test import/export VOTable                                   | Laurent Mirioni | 14/02/2019 09:59 AM |
| 2048 | Task    | New         | Normal   | Drag and Drop  |                 | 14/02/2019 09:59 AM |
| 2049 | Task    | New         | Normal   | design backend catalog                                       |                 | 14/02/2019 09:59 AM |
| 2050 | Task    | New         | Normal   | implémentation du backend catalog                            |                 | 14/02/2019 09:59 AM |
| 2051 | Task    | New         | Normal   | debug/feedback backend catalog                               |                 | 14/02/2019 09:59 AM |
| 2052 | Task    | New         | Normal   | layout dynamique des plots                                   |                 | 14/02/2019 09:59 AM |
| 2054 | Task    | New         | Normal   | feedback/debug spectro                                       |                 | 14/02/2019 09:59 AM |
| 2055 | Task    | New         | Normal   | design GUI catalog   |                 | 14/02/2019 09:59 AM |
| 2056 | Task    | New         | Normal   | implémentation du GUI catalog                                |                 | 14/02/2019 09:59 AM |
| 2057 | Task    | New         | Normal   | feedback debug 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 |
| 2059 | Task    | New         | Normal   | debug/feedback curseurs zones                                |                 | 14/02/2019 09:59 AM |
| 2060 | Task    | New         | Normal   | Settings plot par défaut + ergonomie (axes, légendes..)      |                 | 14/02/2019 09:59 AM |
| 2061 | Task    | New         | Normal   | design + implementation sélection temps versus orbit         |                 | 14/02/2019 09:59 AM |
| 2081 | Task    | New         | Normal   | Sciqlop sur MAC  |                 | 14/02/2019 09:59 AM |
| 2082 | Task    | New         | Normal   | Mock rampe   |                 | 14/02/2019 09:59 AM |
| 2083 | Task    | New         | Normal   | Widget de configuration du mock                              |                 | 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 |
| 2102 | Task    | New         | Normal   | Vérifier le paramétrage de la synchronisation                |                 | 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 |
| 2108 | Task    | In Progress | Normal   | Test unitaires complémentaires                               |                 | 14/02/2019 09:59 AM |
| 2109 | Task    | In Progress | Normal   | MAJ Test fonctionnelles AMDA                                 |                 | 14/02/2019 09:59 AM |
| 2110 | Task    | New         | Normal   | Test fonctionnelles AMDA aléatoire                           |                 | 14/02/2019 09:59 AM |
| 2117 | Task    | New         | Normal   | Identifier un trou de donnée                                 |                 | 14/02/2019 09:59 AM |
| 2118 | Task    | New         | Normal   | Intégrer le nouveau format JSON                              |                 | 14/02/2019 09:59 AM |
| 2165 | Task    | New         | Normal   | Drop de produits dans la visu                                |                 | 14/02/2019 09:59 AM |
| 2214 | Task    | New         | Normal   | Diff de catalogue  |                 | 14/02/2019 09:59 AM |
| 2222 | Task    | New         | Normal   | Drop d'évènements dans la visu                               |                 | 14/02/2019 09:59 AM |

| #    | Tracker | Status   | Priority | Subject   | Assignee | Updated             |
|------|---------|----------|----------|---|----------|---------------------|
| 2238 | Task    | New      | Normal   | Zoom sur l'axe Y d'un spectrogramme   |          | 14/02/2019 09:59 AM |
| 2251 | Task    | New      | Normal   | Amélioration du drop sur un graphe existant   |          | 14/02/2019 09:59 AM |
| 2390 | Task    | New      | Normal   | Mauvaise représentation Y des spectrogrammes  |          | 14/02/2019 09:59 AM |
| 2439 | Task    | New      | Normal   | Ajout d'un Evènement  |          | 14/02/2019 09:59 AM |
| 2440 | Task    | New      | Normal   | Suppression d'un Evènement  |          | 14/02/2019 09:59 AM |
| 2441 | Task    | New      | Normal   | Suppression de tous les Evènements  |          | 14/02/2019 09:59 AM |
| 2442 | Task    | New      | Normal   | Restauration d'un Evènement   |          | 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 |
| 2444 | Task    | New      | Normal   | Actions « Empty Trash » depuis menu contextuel  |          | 14/02/2019 09:59 AM |
| 2448 | Task    | New      | Normal   | SearchBox modifie le catalogue et son attribut requête  |          | 14/02/2019 09:59 AM |
| 2455 | Task    | New      | Normal   | Mauvaise synchronisation entre deux graphes   |          | 14/02/2019 09:59 AM |
| 2460 | Task    | Feedback | Normal   | Augmentation des marges lors du drop d'une variable   |          | 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 |
| 2477 | Task    | New      | Normal   | L'affichage utilise les évènements/catalogues dans leur état modifié  |          | 14/02/2019 09:59 AM |
| 2478 | Task    | New      | Normal   | Affichage des catalogues cochées  |          | 14/02/2019 09:59 AM |
| 2479 | Task    | New      | Normal   | Suppression des catalogues décochées  |          | 14/02/2019 09:59 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 |
| 2482 | Task    | New      | Normal   | Suppression d'évènement   |          | 14/02/2019 09:59 AM |
| 2483 | Task    | New      | Normal   | Affichage d'un catalogue sur une zone   |          | 14/02/2019 09:59 AM |
| 2486 | Task    | New      | Normal   | Ajouter un DB via un menu dédié   |          | 14/02/2019 09:59 AM |
| 2487 | Task    | New      | Normal   | Exporter un DB via menu contextuelle du nœud DB   |          | 14/02/2019 09:59 AM |
| 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 |
| 2491 | Task    | New      | Normal   | Changement version sciqlop  |          | 14/02/2019 09:59 AM |
| 2492 | Task    | New      | Normal   | Ajout/suppression du menu File  |          | 14/02/2019 09:59 AM |
| 2493 | Task    | New      | Normal   | Widget malin et ergonomique   |          | 14/02/2019 09:59 AM |
| 2494 | Task    | New      | Normal   | Filtre les évènements   |          | 14/02/2019 09:59 AM |
| 2495 | Task    | New      | Normal   | Ajouter un Catalogue dynamique  |          | 14/02/2019 09:59 AM |
| 2497 | Task    | New      | Normal   | Suppression d'un Evènement  |          | 14/02/2019 09:59 AM |
| 2498 | Task    | New      | Normal   | SearchBox modifie le catalogue et son attribut requête  |          | 14/02/2019 09:59 AM |
| 2509 | Task    | New      | Normal   | Ajouter l'opération d'annulation  |          | 14/02/2019 09:59 AM |
| 3144 | Task    | New      | Normal   | Remove variable type inference from metadata "static DataSeriesType findDataSeriesType(const QVariantHash &metadata)" |          | 14/02/2019 10:37 AM |

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|------|---------|-------------|----------|--|------------------|---------------------|
| 3612 | Task    | In Progress | Normal   | Analyse du cahier des charges  | joel moutoussamy | 23/01/2021 05:27 PM |
| 3613 | Task    | In Progress | Normal   | Liste du matériel/logiciel   | joel moutoussamy | 23/01/2021 05:30 PM |
| 3619 | Task    | New         | Normal   | Répartition des tâches   |                  | 01/02/2021 09:34 AM |
| 3813 | Task    | New         | High     | BBM  |                  | 30/05/2021 04:53 PM |
| 3814 | Task    | New         | High     | Electronics BBM  |                  | 30/05/2021 04:53 PM |
| 3850 | Task    | New         | High     | Validate BBM board(s)  | Dominique Alison | 20/05/2021 04:17 PM |
| 3877 | Task    | In Progress | Normal   | Matrices de passage par défaut pour les ASM : à valider  | Alexis Jeandet   | 11/03/2022 06:55 PM |
| 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 |
| 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 |
| 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 |
| 3998 | Task    | New         | High     | Documenter le code MMS/SCM avec IDLdoc   | Laurent Mirioni  | 04/01/2023 12:04 PM |
| 4000 | Task    | In Progress | High     | Formatage des commentaires MMS/SCM   | Laurent Mirioni  | 04/01/2023 12:04 PM |
| 4001 | Task    | New         | Normal   | Adapter le code IDL d'MMS/SCM à JUICE/SCM  | Laurent Mirioni  | 07/12/2022 07:44 AM |
| 4003 | Task    | New         | Normal   | MàJ du document Ground Segment Development Plan for RPWI   | Laurent Mirioni  | 07/12/2022 05:30 PM |
| 4024 | Task    | New         | Normal   | Première version calibration python  | Theo Stassen     | 28/07/2023 07:02 PM |
| 4028 | Task    | Resolved    | Normal   | Create Kernel in python  | Theo Stassen     | 02/03/2023 10:35 AM |
| 4029 | Task    | In Progress | Normal   | Extract and export cdf file  | Theo Stassen     | 15/02/2023 04:54 PM |
| 4030 | Task    | Resolved    | Normal   | Bessel filter  | Theo Stassen     | 15/02/2023 04:57 PM |
| 4031 | Task    | Resolved    | Normal   | DFB filter   | Theo Stassen     | 16/02/2023 05:38 PM |
| 4032 | Task    | Resolved    | Normal   | Antenna response function  | Theo Stassen     | 02/03/2023 10:31 AM |
| 4033 | Task    | Resolved    | Normal   | Fourier transform (and inverse transform) function   | Theo Stassen     | 14/03/2023 05:49 PM |
| 4037 | Task    | Resolved    | Normal   | Bandpass filter  | Theo Stassen     | 24/02/2023 05:42 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 |
| 4039 | Task    | Resolved    | Normal   | Unit test Bessel filter  | Theo Stassen     | 24/02/2023 05:46 PM |
| 4040 | Task    | Resolved    | Normal   | Unit test DFB  | Theo Stassen     | 24/02/2023 05:48 PM |
| 4041 | Task    | Resolved    | Normal   | Unit test Antenna filter   | Theo Stassen     | 02/03/2023 10:32 AM |
| 4043 | Task    | Resolved    | Normal   | Create the complete Kernel   | Theo Stassen     | 15/03/2023 04:05 PM |
| 4044 | Task    | Resolved    | Normal   | Create unit test for corgain (ant, dfb, bessel)  | Theo Stassen     | 14/03/2023 05:49 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 |
| 4050 | Task    | Resolved    | Normal   | Create the kernel_creation function  | Theo Stassen     | 15/03/2023 04:02 PM |
| 4051 | Task    | Resolved    | Normal   | Unit test kernel_creation  | Theo Stassen     | 15/03/2023 04:05 PM |
| 4052 | Task    | Resolved    | Normal   | Full code documentation  | Theo Stassen     | 15/03/2023 04:07 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 |
| 4054 | Task    | Resolved    | Normal   | Hanning window creation   | Theo Stassen | 15/03/2023 04:24 PM |
| 4055 | Task    | Resolved    | Normal   | Check real/imag parts   | Theo Stassen | 15/03/2023 04:27 PM |
| 4056 | Task    | Resolved    | Normal   | Shift kernel  | Theo Stassen | 15/03/2023 04:29 PM |
| 4057 | Task    | Resolved    | Normal   | Coscut window creation  | Theo Stassen | 15/03/2023 04:30 PM |
| 4058 | Task    | Resolved    | Normal   | Gaussian window creation  | Theo Stassen | 15/03/2023 04:30 PM |
| 4059 | Task    | Resolved    | Normal   | Trapezoid window creation   | Theo Stassen | 15/03/2023 04:31 PM |
| 4060 | Task    | Resolved    | Normal   | Unit test deconvo_vec (for each window type)  | Theo Stassen | 15/03/2023 04:31 PM |
| 4061 | Task    | Resolved    | Normal   | deconvo_vec convolution part  | Theo Stassen | 24/03/2023 05:54 PM |
| 4062 | Task    | Resolved    | Normal   | Correct the documentation strings warnings and pylint errors (if possible)            | Theo Stassen | 17/03/2023 05:49 PM |
| 4065 | Task    | Resolved    | Normal   | Implement blk_con IDL function  | Theo Stassen | 31/03/2023 06:03 PM |
| 4066 | Task    | Resolved    | Normal   | Implement graphical comparison between idl and python calibration                     | Theo Stassen | 31/03/2023 06:03 PM |
| 4067 | Task    | In Progress | Normal   | Create Calibrate CDF function   | Theo Stassen | 11/04/2023 03:09 PM |
| 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 |
| 4070 | Task    | Resolved    | Normal   | Implement function that compare two l1b cdf file data                                 | Theo Stassen | 11/04/2023 03:09 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 |
| 4076 | Task    | Resolved    | Normal   | Implementation of ConfigHandler class   | Theo Stassen | 26/04/2023 05:39 PM |
| 4077 | Task    | Resolved    | Normal   | Implement function that compute the spectrogram of a waveform                         | Theo Stassen | 26/04/2023 05:41 PM |
| 4078 | Task    | Resolved    | Normal   | Implement a simple spectrogram plot   | Theo Stassen | 26/04/2023 05:42 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 |
| 4085 | Task    | Resolved    | Normal   | Reorganise and simplify spectra related functions                                     | Theo Stassen | 05/05/2023 06:41 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 |
| 4088 | Task    | Resolved    | Normal   | Completely change ConfigHandler functioning   | Theo Stassen | 16/05/2023 03:40 PM |
| 4089 | Task    | In Progress | Normal   | ConfigHandler modularity implementation   | Theo Stassen | 17/05/2023 05:03 PM |
| 4091 | Task    | Resolved    | Normal   | Global attributes and cdf name gestion  | Theo Stassen | 16/05/2023 04:27 PM |
| 4092 | Task    | Resolved    | Normal   | default / current / limits config gestion   | Theo Stassen | 16/05/2023 04:28 PM |
| 4093 | Task    | Resolved    | Normal   | Make class for deduce parameter values, depending on other parameters                 | Theo Stassen | 17/05/2023 05:03 PM |
| 4094 | Task    | Resolved    | Normal   | kernel_creation.py reworked for modularity  | Theo Stassen | 16/05/2023 04:31 PM |
| 4095 | Task    | Resolved    | Normal   | Implement system of class extends for kernel creation and deduce_parameters           | Theo Stassen | 17/05/2023 05:08 PM |
| 4099 | Task    | Resolved    | Normal   | Spectra powers computation  | Theo Stassen | 30/05/2023 11:16 AM |

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|------|---------|-------------|----------|--|--------------|---------------------|
| 4100 | Task    | Resolved    | Normal   | Spectra powers plot / comparison   | Theo Stassen | 30/05/2023 11:36 AM |
| 4101 | Task    | Resolved    | Normal   | Quicklook computation / plot   | Theo Stassen | 30/05/2023 11:32 AM |
| 4102 | Task    | Resolved    | Normal   | Config Handler and config files modifications / improvements   | Theo Stassen | 30/05/2023 11:35 AM |
| 4103 | Task    | Resolved    | Normal   | Modularisation of calibrate data block   | Theo Stassen | 30/05/2023 11:36 AM |
| 4105 | Task    | Resolved    | Normal   | Create functional Diagram of the code  | Theo Stassen | 05/06/2023 06:27 PM |
| 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 |
| 4109 | Task    | Resolved    | Normal   | Rewrite the readme with a summary of the documentation   | Theo Stassen | 08/06/2023 10:32 AM |
| 4110 | Task    | Resolved    | Normal   | Analyse fichiers L1A JUICE   | Theo Stassen | 08/06/2023 10:36 AM |
| 4112 | Task    | Resolved    | Normal   | Add freq samp deducing function in deduce parameters   | Theo Stassen | 09/06/2023 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 |
| 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 |
| 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 |
| 4120 | Task    | Resolved    | Normal   | Add documentation on all code parameters   | Theo Stassen | 19/06/2023 05:45 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 |
| 4124 | Task    | Resolved    | Normal   | Create script with inline inputs, for calibrate and quicklook  | Theo Stassen | 23/06/2023 12:02 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 |
| 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 |
| 4129 | Task    | Resolved    | Normal   | Resolve plenty of problems concerning configHandler  | Theo Stassen | 03/07/2023 04:48 PM |
| 4130 | Task    | Resolved    | Normal   | Implement a first bash script, with auto venv use  | Theo Stassen | 03/07/2023 04:49 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 |
| 4133 | Task    | Resolved    | Normal   | Adapt the matlab code for cdf data extraction (JUICE sid7)   | Theo Stassen | 10/07/2023 04:46 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 |
| 4139 | Task    | Resolved    | Normal   | Take the python code of David Pisa instead of Matlab code  | Theo Stassen | 10/07/2023 04:52 PM |
| 4140 | Task    | Resolved    | Normal   | Resolve the problem with epochs to be able to quicklook data   | Theo Stassen | 10/07/2023 04:56 PM |
| 4145 | Task    | Resolved    | Normal   | Create generic log printer (for log file and/or terminal)  | Theo Stassen | 17/07/2023 11:03 AM |
| 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 |
| 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 |
| 4151 | Task    | Resolved    | Normal   | Reorganisation of kernel construction  | Theo Stassen | 21/07/2023 06:56 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 |

| #    | Tracker | Status      | Priority | Subject  | Assignee     | Updated             |
|------|---------|-------------|----------|--|--------------|---------------------|
| 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 |
| 4157 | Task    | In Progress | Normal   | Create interactive version of quicklook, to analyse cdf data   | Theo Stassen | 18/09/2023 02:02 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 |
| 4160 | Task    | Resolved    | Normal   | Create a version of quicklook with some parameter buttons that modify spectra  | Theo Stassen | 31/08/2023 06:29 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 |
| 4164 | Task    | Resolved    | Normal   | Modify the visuals of interactive and static quicklook to be more modular  | Theo Stassen | 05/09/2023 06:38 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 |
| 4168 | Task    | Resolved    | Normal   | Improve and resolve problems / bugs concerning interactive plots   | Theo Stassen | 18/09/2023 01:55 PM |
| 4171 | Task    | Resolved    | Normal   | Add buttons to change the content struct   | Theo Stassen | 18/09/2023 02:02 PM |
| 4172 | Task    | Resolved    | Normal   | Adapt the calibration / evaluation code to allow JUICE files   | Theo Stassen | 18/09/2023 02:07 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 |
| 4181 | Task    | Resolved    | Normal   | Code reorganisation to have scripts separately + debugging   | Theo Stassen | 29/09/2023 06:47 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 |
| 4190 | Task    | Resolved    | Normal   | Make all the variables of input cdf be in output cdf   | Theo Stassen | 10/10/2023 06:55 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 |
| 4193 | Task    | Resolved    | Normal   | register all remaining taks written these last month in a summary document   | Theo Stassen | 17/10/2023 04:44 PM |
| 4196 | Task    | Resolved    | Normal   | Create script for documentation generation (cleaning/creation/show)  | Theo Stassen | 17/10/2023 04:48 PM |
| 4206 | Task    | Resolved    | Normal   | Documentation complete add and upgrade   | Theo Stassen | 27/10/2023 05:43 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 4221 | Task    | Resolved    | Normal   | Create a GUI for selection of a range of time to plot  | Theo Stassen | 13/11/2023 06:50 PM |
| 4223 | Task    | Resolved    | Normal   | Find the problem of difference between matlab and python code  | Theo Stassen | 13/11/2023 06:54 PM |

| #    | Tracker | Status      | Priority | Subject   | Assignee     | Updated             |
|------|---------|-------------|----------|---|--------------|---------------------|
| 4226 | Task    | Resolved    | Normal   | Advances in the comparison between Matlab and python results  | Theo Stassen | 17/11/2023 06:54 PM |
| 4227 | Task    | Resolved    | Normal   | Reorganisation of the python scripts for modularisation   | Theo Stassen | 17/11/2023 06:57 PM |
| 4228 | Task    | Resolved    | Normal   | Make the GUI a general tool, replacing the interact interface   | Theo Stassen | 17/11/2023 07:01 PM |
| 4229 | Task    | Resolved    | Normal   | Update documentation for time/solo extract  | Theo Stassen | 21/11/2023 06:50 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 |
| 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 |
| 4239 | Task    | Resolved    | Normal   | Improvements and bug resolve for temperature spectrum computing and plots   | Theo Stassen | 06/12/2023 02:15 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 |
| 4241 | Task    | Resolved    | Normal   | Software exploration for documentation tools following the professional training.                                     | Theo Stassen | 06/12/2023 02:17 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 |
| 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 |
| 4256 | Task    | Resolved    | Normal   | Gathering and analysis of all remaining open tasks  | Theo Stassen | 09/01/2024 06:37 PM |
| 4257 | Task    | Resolved    | Normal   | Discovering of the Ruff linter and formatter+ experiments   | Theo Stassen | 09/01/2024 06:38 PM |
| 4258 | Task    | Resolved    | Normal   | Creation of a ruff pre commit hook  | Theo Stassen | 12/01/2024 06:44 PM |
| 4260 | Task    | Resolved    | Normal   | Add documentation handle in pre commit hooks  | Theo Stassen | 12/01/2024 06:45 PM |
| 4261 | Task    | Resolved    | Normal   | Discover of pytest and add to pre commit hooks  | Theo Stassen | 12/01/2024 06:46 PM |
| 4262 | Task    | Resolved    | Normal   | Add multiple pytests (init, extract, display)   | Theo Stassen | 12/01/2024 06:46 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 |
| 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 |
| 4267 | Task    | In Progress | Normal   | Creation of a visual documentation of the code  | Theo Stassen | 09/02/2024 06:47 PM |
| 4268 | Task    | Resolved    | Normal   | Make the writing and initialization parts separated from the others   | Theo Stassen | 19/01/2024 07:06 PM |
| 4282 | Task    | Resolved    | Normal   | Create pdf user documentation (Three first iterations)  | Theo Stassen | 09/02/2024 06:49 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 |
| 4284 | Task    | Resolved    | Normal   | Modify the code to be coherent in physical units  | Theo Stassen | 09/02/2024 06:53 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 |
| 4287 | Task    | Resolved    | Normal   | Add of some modularisation in parameters  | Theo Stassen | 23/02/2024 06:51 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 |
| 4306 | Task    | Resolved    | Normal   | Improve and simplify some parameters calls and use  | Theo Stassen | 23/02/2024 06:53 PM |
| 4307 | Task    | Resolved    | Normal   | Clean and simplify the config files   | Theo Stassen | 23/02/2024 06:54 PM |



| #    | Tracker | Status   | Priority | Subject   | Assignee     | Updated             |
|------|---------|----------|----------|---|--------------|---------------------|
| 4308 | Task    | Resolved | Normal   | Change the way the datetimes are corrected  | Theo Stassen | 23/02/2024 06:55 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 |
| 4310 | Task    | Resolved | Normal   | Improve the GUI by adding a embedded window containing the print content  | Theo Stassen | 23/02/2024 06:57 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 |
| 4325 | Task    | Resolved | Normal   | Generate a directory with quicklooks of all cdFs from 2023/2024   | Theo Stassen | 21/03/2024 12:47 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 |
| 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 |
| 4343 | Task    | Resolved | Normal   | Search different support data (temperatures, reaction wheels, etc)  | Theo Stassen | 08/04/2024 04:31 PM |
| 4344 | Task    | Resolved | Normal   | Test the extract of temperatures data   | Theo Stassen | 08/04/2024 04:32 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 |
| 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 |
| 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 |
| 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 |
| 4361 | Task    | Resolved | Normal   | Produce and test the creation of big quicklooks with calibrated data  | Theo Stassen | 23/04/2024 03:18 PM |
| 4362 | Task    | Resolved | Normal   | Meeting with Alessandro on the calibration results  | Theo Stassen | 23/04/2024 03:18 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 |
| 4364 | Task    | Resolved | Normal   | Benchmarking of the code execution for really big files   | Theo Stassen | 23/04/2024 03:22 PM |
| 4365 | Task    | Resolved | Normal   | Annual Report writing   | Theo Stassen | 23/04/2024 03:24 PM |