## Issues

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 45452 | PyROS | Story | New | Normal | * REQ-0XX REQUIREMENTS FROM CNES (PR) | | 05/19/2023 03:10 PM | |
| 44811 | PyROS | Story | New | Normal | * REQ-100 FROM CCTP TAROT-NC & MEETINGS | | 05/19/2023 03:11 PM | |
| 44812 | PyROS | Story | New | Normal | * REQ-200 FOR TAROT NETWORK INTEGRATION | | 05/19/2023 03:13 PM | |
| 44713 | PyROS | Story | New | Normal | ** REQ-020 CCTP | | 05/19/2023 03:13 PM | |
| 44717 | PyROS | Story | New | Normal | ** REQ-022 TAROT NC | | 05/19/2023 03:14 PM | |
| 44718 | PyROS | Story | New | Normal | ** REQ-025 AJOUT TNC | | 05/19/2023 03:14 PM | |
| 44715 | PyROS | Story | New | Normal | ** REQ-065 AJOUT UPGRADE | | 05/19/2023 03:15 PM | |
| 44716 | PyROS | Story | New | Normal | ** REQ-071 AJOUT OSMOSE | | 05/19/2023 03:15 PM | |
| 45155 | PyROS | Story | New | Normal | REQ-001 planification de tâches récurrentes | | 05/12/2021 10:44 AM | |
| 45157 | PyROS | Story | New | Normal | REQ-002 Déclenchement des jobs sur déclenchement au lieu de scrutation | | 05/12/2021 11:46 AM | |
| 45159 | PyROS | Story | New | Normal | REQ-003 Interface avec les données CNRS de manière authentifiée | | 05/12/2021 10:46 AM | |
| 45156 | PyROS | Story | New | Normal | REQ-004 POC GTRS et websocket | | 05/12/2021 11:45 AM | |
| 45158 | PyROS | Story | New | Normal | REQ-006 Notification de changement d'état d'une requête | | 05/12/2021 10:45 AM | |
| 45119 | PyROS | Story | New | Normal | REQ-008 requêtes SST flexibles | | 05/12/2021 10:54 AM | |
| 45121 | PyROS | Story | New | Normal | REQ-009 requêtes de calibration | | 05/12/2021 10:54 AM | |
| 44719 | PyROS | Story | New | Normal | REQ-010 Ordonnancement des requêtes | | 07/01/2021 08:30 AM | |
| 45161 | PyROS | Story | New | Normal | REQ-011 PYROS-10 ordonnanceur sur chaque télescope | | 07/01/2021 08:29 AM | |
| 45160 | PyROS | Story | New | Normal | REQ-012 PYROS-10 limiter les temps morts entre requêtes | | 05/12/2021 10:47 AM | |
| 45163 | PyROS | Story | New | Normal | REQ-013 PYROS-10 ordonnancement temps réel | | 07/01/2021 08:30 AM | |
| 45162 | PyROS | Story | New | Normal | REQ-014 PYROS-10 priorité et quotas utilisateurs | | 07/01/2021 08:29 AM | |
| 44815 | PyROS | Story | New | Normal | REQ-015 Ajustement dynamique des quotas utilisateurs | | 05/11/2021 04:11 PM | |
| 45118 | PyROS | Story | New | Normal | REQ-016 informations sur les composants de l'observatoire | | 05/12/2021 10:55 AM | |
| 45120 | PyROS | Story | New | Normal | REQ-017 Information sur les requêtes soumises par l'utilisateur | | 05/12/2021 10:55 AM | |
| 45095 | PyROS | Story | New | Normal | REQ-018 Cloisonnement des données | | 05/11/2021 04:17 PM | |
| 45117 | PyROS | Story | New | Normal | REQ-019 Mise à disposition des images et mesures | | 05/12/2021 10:55 AM | |
| 45114 | PyROS | Story | New | Normal | REQ-021 FONC_020 Saut en déclinaison entre chaque image | | 05/12/2021 10:15 AM | |
| 45112 | PyROS | Story | New | Normal | REQ-023 FONC_030 Délai de reprogrammation | | 05/12/2021 10:00 AM | |
| 45113 | PyROS | Story | New | Normal | REQ-024 FONC_080 Directions et trajectoires accessibles | | 05/12/2021 10:11 AM | |
| 45100 | PyROS | Story | New | Normal | REQ-026 Plage d'angles horaires et ligne d'horizon | | 05/11/2021 04:38 PM | |
| 45096 | PyROS | Story | New | Normal | REQ-027 FONC_170 Métadonnées | | 05/11/2021 04:44 PM | |
| 45097 | PyROS | Story | New | Normal | REQ-028 FONC_180 Métadonnées pour les poursuites LEO (optionnelle) | | 05/11/2021 04:45 PM | |

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|---|---|---|---|---|---|---|---|---|
| 45102 | PyROS | Story | New | Normal | REQ-029 Métadonnées des images | | 05/11/2021 04:44 PM | |
| 45098 | PyROS | Story | New | Normal | REQ-030 SURETE_30 Répartition des nuits | | 05/11/2021 04:27 PM | |
| 45132 | PyROS | Story | New | Normal | REQ-031 SURETE_040 Automatisation du bâtiment | | 05/12/2021 10:32 AM | |
| 45122 | PyROS | Story | New | Normal | REQ-032 automatisation du bâtiment et du télescope | | 05/12/2021 10:27 AM | |
| 45103 | PyROS | Story | New | Normal | REQ-033 SURETE_050 Prise en compte de la météo | | 03/16/2022 04:42 PM | |
| 45101 | PyROS | Story | New | Normal | REQ-034 SURETE_080 Coupure électrique | | 03/16/2022 04:42 PM | |
| 45115 | PyROS | Story | New | Normal | REQ-035 SURETE_130 Maintenance à distance | | 05/12/2021 10:56 AM | |
| 45123 | PyROS | Story | New | Normal | REQ-036 logiciel pour la maintenance à distance | | 05/12/2021 10:28 AM | |
| 45099 | PyROS | Story | New | Normal | REQ-037 SURETE_140 Vérification du fonctionnement du télescope : calibration | | 05/11/2021 04:35 PM | |
| 45124 | PyROS | Story | New | Normal | REQ-038 focalisation, alignement, ... | | 05/12/2021 10:29 AM | |
| 45116 | PyROS | Story | New | Normal | REQ-039 SURETE_160 Sauvegarde des pannes | | 05/12/2021 10:56 AM | |
| 45125 | PyROS | Story | New | Normal | REQ-041 information sur les composants (ajout) | | 05/12/2021 10:29 AM | |
| 45133 | PyROS | Story | New | Normal | REQ-042 SURETE_170 Sécurité des personnes : système d'arrêt automatique | | 05/12/2021 10:33 AM | |
| 45134 | PyROS | Story | New | Normal | REQ-043 SURETE_180 Sécurité des personnes : lumière | | 05/12/2021 10:33 AM | |
| 45127 | PyROS | Story | New | Normal | REQ-044 SURETE_190 Sécurité des personnes : système d'arrêt d'urgence | | 05/12/2021 10:30 AM | |
| 45128 | PyROS | Story | New | Normal | REQ-045 SECURITE_200 Système d'alerte | | 03/16/2022 04:42 PM | |
| 45129 | PyROS | Story | New | Normal | REQ-046 SURETE_210 Arrêt du système en cas de condition météorologiques défavorables | | 03/16/2022 04:42 PM | |
| 45130 | PyROS | Story | New | Normal | REQ-047 SURETE_240 Sauvegarde des données brutes | | 03/16/2022 04:42 PM | |
| 45126 | PyROS | Story | New | Normal | REQ-048 sauvegarde des données brutes | | 03/16/2022 04:43 PM | |
| 45131 | PyROS | Story | New | Normal | REQ-049 SURETE_250 Transfert des données | | 03/16/2022 04:16 PM | |
| 45135 | PyROS | Story | New | Normal | REQ-050 SURETE_260 Système informatique (SSI) | | 03/16/2022 04:42 PM | |
| 45153 | PyROS | Story | New | Normal | REQ-051 Sécurité des systèmes informatique (SSI) | | 03/16/2022 04:44 PM | |
| 45136 | PyROS | Story | New | Normal | REQ-052 ERGO_020 Operabilité | | 05/12/2021 10:34 AM | |
| 45137 | PyROS | Story | New | Normal | REQ-053 ERGO_030 Formation | | 05/12/2021 10:35 AM | |
| 45139 | PyROS | Story | New | Normal | REQ-054 Documentation et Formation | | 05/12/2021 10:35 AM | |
| 45138 | PyROS | Story | New | Normal | REQ-055 ERGO_040 Documentation | | 05/12/2021 10:35 AM | |
| 45141 | PyROS | Story | New | Normal | REQ-056 INTERFACE_010 Interfaçage avec PyROS | | 05/12/2021 10:36 AM | |
| 45140 | PyROS | Story | New | Normal | REQ-057 Interfaçage avec TAROT NC | | 05/12/2021 10:36 AM | |
| 45142 | PyROS | Story | New | Normal | REQ-058 QUALIF_010 Qualification technique | | 05/12/2021 10:37 AM | |
| 45147 | PyROS | Story | New | Normal | REQ-059 Qualification technique | | 05/12/2021 10:40 AM | |
| 45144 | PyROS | Story | New | Normal | REQ-060 JUSTIF_010 Justification de la définition | | 05/12/2021 10:38 AM | |

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|---|---|---|---|---|---|---|---|---|
| 45143 | PyROS | Story | New | Normal | REQ-061 Justification de la définition | | 05/12/2021 10:37 AM | |
| 45145 | PyROS | Story | New | Normal | REQ-062 QUALIF_020 Qualification opérationnelle | | 05/12/2021 10:39 AM | |
| 45148 | PyROS | Story | New | Normal | REQ-063 Qualification opérationnelle | | 05/12/2021 10:40 AM | |
| 45146 | PyROS | Story | New | Normal | REQ-064 Déploiement | | 05/12/2021 10:39 AM | |
| 45150 | PyROS | Story | New | Normal | REQ-066 QUALIF_030 Exigence | | 05/12/2021 10:41 AM | |
| 45149 | PyROS | Story | New | Normal | REQ-067 Qualification des exigences | | 05/12/2021 10:41 AM | |
| 45152 | PyROS | Story | New | Normal | REQ-068 ACCEPT_010 Plan de validation et d'essai | | 05/12/2021 10:42 AM | |
| 45151 | PyROS | Story | New | Normal | REQ-069 Plan de validation et d'essai | | 05/12/2021 10:42 AM | |
| 45154 | PyROS | Story | New | Normal | REQ-070 SSI_010 Spécifications techniques SSI | | 03/16/2022 04:42 PM | |
| 44814 | PyROS | Story | New | Normal | REQ-101 Logs | | 03/16/2022 04:38 PM | |
| 45175 | PyROS | Story | New | Normal | REQ-102 Surveillance et sécurisation de la BD | | 03/16/2022 04:38 PM | |
| 45176 | PyROS | Story | New | Normal | REQ-103 Connexion unique pour accéder à tous les services, si possible via annuaire LDAP | | 05/12/2021 12:10 PM | |
| 45177 | PyROS | Story | New | Normal | REQ-104 Rôles utilisateurs (profils) | | 05/12/2021 12:11 PM | |
| 45178 | PyROS | Story | New | Normal | REQ-105 Pouvoir enlever une séquence (scène) déposée pour en déposer une autre | | 05/12/2021 12:11 PM | |
| 45179 | PyROS | Story | New | Normal | REQ-106 Requete appartient à un SP (lié à un PI qui est lié à des users) | | 05/12/2021 12:12 PM | |
| 45180 | PyROS | Story | New | Normal | REQ-107 Suivi complet d'une requête, depuis son dépot, jusqu'à son exécution, en passant par sa planification | | 05/12/2021 12:12 PM | |
| 45181 | PyROS | Story | New | Normal | REQ-108 Pouvoir déposer dans différents systèmes de coordonnées | | 02/22/2022 04:38 PM | |
| 45182 | PyROS | Story | New | Normal | REQ-109 Afficher infos utiles sur les requetes/séquences | | 05/12/2021 12:13 PM | |
| 45183 | PyROS | Story | New | Normal | REQ-110 Arrêt et redémarrage automatique en cas de coupure électrique | | 03/16/2022 04:38 PM | |
| 45184 | PyROS | Story | New | Normal | REQ-111 Mise en sécurité automatique en cas de cyclone | | 03/16/2022 04:38 PM | |
| 45185 | PyROS | Story | New | Normal | REQ-112 Planification des séquences : Flexibilité | | 05/12/2021 12:14 PM | |
| 45186 | PyROS | Story | New | Normal | REQ-113 Planification des séquences : Efficacité, efficience | | 05/12/2021 12:15 PM | |
| 45187 | PyROS | Story | New | Normal | REQ-114 Planification des séquences : Equité | | 05/12/2021 12:15 PM | |
| 45188 | PyROS | Story | New | Normal | REQ-115 Calibration : traiter efficacement les fichiers de calibration DBF (dark, bias, flat) | | 05/12/2021 12:15 PM | |
| 45189 | PyROS | Story | New | Normal | REQ-116 Calibration astro : trouver une solution quand l'image est distendue (distortion) | | 05/12/2021 12:16 PM | |
| 45190 | PyROS | Story | New | Normal | REQ-117 Calibration : génération des images de calibration en fonction du temps (DBF) (Dark dépend du temps pose) | | 05/12/2021 12:16 PM | |
| 45191 | PyROS | Story | New | Normal | REQ-118 Avoir un obturateur sur les caméras (Utile pour faire les Dark) | | 05/12/2021 12:16 PM | |
| 45192 | PyROS | Story | New | Normal | REQ-119 Analyse images : le service de traitement d'images doit être interopérable (à distance, par service externe) | | 05/12/2021 12:17 PM | |

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|---|---|---|---|---|---|---|---|---|
| 45193 | PyROS | Story | New | Normal | REQ-120 Pages web dédiées pour gérer différents besoins | | 05/12/2021 12:17 PM | |
| 45194 | PyROS | Story | New | Normal | REQ-121 Limiter le nombre d'essais de connexion d'un utilisateur | | 05/12/2021 12:17 PM | |
| 45195 | PyROS | Story | New | Normal | REQ-122 Page information état agent | | 05/12/2021 12:18 PM | |
| 44813 | PyROS | Story | New | Normal | REQ-123 Architecture extensible et Extensions privatisables | | 05/12/2021 12:21 PM | |
| 44816 | PyROS | Story | New | Normal | REQ-201 Définir une esthétique Tarot | | 05/12/2021 11:53 AM | |
| 44817 | PyROS | Story | New | Normal | REQ-202 Deux types de connexion utilisateurs (LDAP ou sans) | | 05/11/2021 03:43 PM | |
| 45164 | PyROS | Story | New | Normal | REQ-203 GUI multilingue (choix de la langue) | | 05/12/2021 11:55 AM | |
| 45165 | PyROS | Story | New | Normal | REQ-204 Architecture site, différents espaces selon les roles | | 05/12/2021 11:56 AM | |
| 45166 | PyROS | Story | New | Normal | REQ-205 Bandeau en haut de pages pour messages d'info ou avertissement | | 05/12/2021 11:56 AM | |
| 45167 | PyROS | Story | New | Normal | REQ-206 Espace mutualisé (comme CADOR) | | 05/12/2021 11:57 AM | |
| 45168 | PyROS | Story | New | Normal | REQ-207 Rapports de synthèse, outils de monitoring | | 05/12/2021 11:57 AM | |
| 45169 | PyROS | Story | New | Normal | REQ-208 Lecture et téléchargement des images | | 05/12/2021 11:57 AM | |
| 45170 | PyROS | Story | New | Normal | REQ-209 Lecture des logs | | 05/12/2021 11:58 AM | |
| 45171 | PyROS | Story | New | Normal | REQ-210 Affichage contenu BD | | 05/12/2021 11:58 AM | |
| 45172 | PyROS | Story | New | Normal | REQ-211 Allsky scan | | 05/12/2021 11:58 AM | |
| 45173 | PyROS | Story | New | Normal | REQ-212 Espace privé pour extensions et déploiement sans git | | 05/12/2021 12:00 PM | |
| 45174 | PyROS | Story | New | Normal | REQ-213 Sauvegarde temporaire des images brutes pour opérations de maintenance | | 05/12/2021 12:01 PM | |
| 47924 | LabInvent | Task | New | Normal | (après 3.9) Passer à v4 | | 11/30/2021 11:48 AM | |
| 47925 | LabInvent | Task | New | Normal | (après cakephp v4) Passer à Php 8 | | 11/30/2021 11:48 AM | |
| 49875 | PyROS | Task | New | Normal | (classic) Installation Guitastro & dependencies | | 03/16/2022 07:27 AM | |
| 49874 | PyROS | Task | New | Normal | (docker) Installation Guitastro & dependencies | | 06/28/2022 10:11 PM | |
| 44166 | PyROS | Task | New | High | (GF1) DOCUMENTATION | | 03/04/2022 11:57 AM | |
| 44389 | PyROS | Task | New | High | (GF1) PROJECT MANAGEMENT (REDMINE FORGE) : Features, tasks, gantt, kanban | | 03/04/2022 11:56 AM | |
| 44168 | PyROS | Task | New | High | (GF2) INSTALL & DEPLOY | | 05/09/2023 08:14 AM | |
| 44388 | PyROS | Task | New | High | (GF2) SOURCE CODE MANAGEMENT (GITLAB) | | 02/02/2022 12:28 PM | Evolution |
| 47962 | LabInvent | Task | New | Urgent | (IRAP only) re-install inventirap avec php7 | | 11/30/2021 03:17 PM | |
| 48222 | LabInvent | Task | New | Normal | (NEW func) Gérer Suivi d'un User | | 12/13/2021 10:39 AM | |
| 9525 | IGOSat | Task | New | Normal | (ODB / SCAO) Conception de la SCAO / Interfaçage avec l'ODB | | 03/27/2015 10:11 AM | |
| 9151 | IGOSat | Task | New | Normal | (ODB) Code de simulation fonctionelle | | 02/18/2015 05:13 PM | |
| 9524 | IGOSat | Task | New | Normal | (ODB) Logiciel de Vol | | 03/24/2015 03:41 PM | |
| 9099 | IGOSat | Task | In progress | Normal | (PRO) Phase A | | 03/24/2015 03:58 PM | |
| 9136 | IGOSat | Task | New | Normal | (PRO) Phase B | | 03/24/2015 03:58 PM | |

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|---|---|---|---|---|---|---|---|---|
| 9137 | IGOSat | Task | New | Normal | (PRO) Phase C | | 03/24/2015 03:58 PM | |
| 44914 | PyROS | Task | New | Normal | (re-)Démarrer, mettre en Pause, ou Stopper tout ou partie du système | | 06/28/2022 09:56 PM | |
| 44945 | PyROS | Task | New | Normal | (READ 1) Sequence detailed view | | 02/03/2022 09:45 AM | |
| 9527 | IGOSat | Task | New | Normal | (SAE / ODB) Réalisation de cartes électroniques pour le satellite IGOSat | | 03/24/2015 03:52 PM | |
| 9100 | IGOSat | Task | Assigned | Normal | (SAE) Réalisation d'un banc de test du système d'alimentation électrique | | 02/10/2015 06:48 PM | |
| 9098 | IGOSat | Task | Assigned | Normal | (SCA) Capteurs d'attitude et Banc de Contrôle | | 02/11/2015 01:57 PM | |
| 9108 | IGOSat | Task | Assigned | Normal | (SCA) Modélisation de la boucle de contrôle SCAO | | 02/11/2015 02:00 PM | |
| 9103 | IGOSat | Task | Assigned | Normal | (SCI) Banc de test du scintillateur | | 02/10/2015 06:48 PM | |
| 9115 | IGOSat | Task | Assigned | Normal | (SCI) Banc de test du scintillateur, simulations et estimation de la dose reçue | | 02/11/2015 03:41 PM | |
| 9526 | IGOSat | Task | New | Normal | (SCI) Electronique d'acquisition de l'instrument Scintillateur | | 03/24/2015 03:50 PM | |
| 9102 | IGOSat | Task | Assigned | Normal | (SOL) Conception de la station sol | | 02/10/2015 06:48 PM | |
| 9116 | IGOSat | Task | Assigned | Normal | (STM) Conception mécanique | | 02/11/2015 03:43 PM | |
| 9101 | IGOSat | Task | Assigned | Normal | (STM) Réalisation d'un modèle structurel et thermique | | 02/10/2015 06:48 PM | |
| 9109 | IGOSat | Task | Assigned | Normal | (SYS) Ingénierie système | | 02/11/2015 02:05 PM | |
| 9111 | IGOSat | Task | Assigned | Normal | (TEL) Mise en oeuvre de la carte de télécommunication | | 03/24/2015 03:36 PM | |
| 53379 | PyROS | Task | In progress | Normal | (VIEW) Dedicated web page | | 06/01/2023 03:43 PM | |
| 47912 | LabInvent | Task | New | High | (VUE) Elements et Helper | | 11/30/2021 03:51 PM | |
| 58047 | PyROS | Task | In progress | Normal | *** (SF01) CONFIG (in General config, nb elem/page, roles, authorizations by role, ...) | | 06/05/2023 11:48 AM | |
| 44886 | PyROS | Task | In progress | Normal | *** (SF01) ENTITIES (MODEL) - definition & impl | | 06/02/2023 04:56 AM | |
| 57505 | PyROS | Task | In progress | Normal | *** (SF01) GENERAL MENU (web page) | | 06/01/2023 03:15 PM | |
| 57508 | PyROS | Task | In progress | Normal | *** (SF01) USE CASES - ACTIONS (on entities) & VIEWS (web pages) | | 06/01/2023 03:15 PM | |
| 57520 | PyROS | Task | In progress | Normal | *** (SF02) GENERAL MENU | | 06/01/2023 03:17 PM | |
| 44878 | PyROS | Task | In progress | Normal | *** (SF02) TESTS (to validate requirements) | | 06/01/2023 03:15 PM | |
| 57513 | PyROS | Task | In progress | Normal | *** (SF02) USE CASES - ACTIONS (on entities) & VIEWS (web pages) | | 06/01/2023 03:17 PM | |
| 57528 | PyROS | Task | In progress | Normal | *** (SF03) AGENT(s) (gèrent toutes les actions CRUD sauf Read) | | 06/01/2023 04:41 PM | |
| 44879 | PyROS | Task | In progress | Normal | *** (SF03) AUTHORIZATIONS (kifekoi) : doc & impl | | 06/01/2023 03:01 PM | |
| 58049 | PyROS | Task | In progress | Normal | *** (SF03) CONFIG (in General config & Observatory config - sensors, output data, units, monitoring names, graphics, history, sampling...) | | 06/05/2023 11:47 AM | |
| 44898 | PyROS | Task | In progress | Normal | *** (SF03) ENTITIES (MODEL) - definition & impl | | 06/01/2023 03:01 PM | |
| 57940 | PyROS | Task | In progress | Normal | *** (SF03) MODULE - django module - organization, files, classes (env_monitor) | | 06/01/2023 03:02 PM | |
| 44880 | PyROS | Task | In progress | Normal | *** (SF03) TESTS to validate feature & requirements | | 06/01/2023 04:39 PM | |

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|---|---|---|---|---|---|---|---|---|
| 57527 | PyROS | Task | In progress | Normal | *** (SF03) USE CASES - ACTIONS (on entities) & VIEWS (web pages) : surtout le Read du CRUD | | 06/01/2023 05:10 PM | |
| 57847 | PyROS | Task | In progress | High | *** (SF04) AGENT(S) | | 06/01/2023 03:02 PM | |
| 44922 | PyROS | Task | In progress | Normal | *** (SF04) AUTHORIZATIONS (kifekoi) : doc & impl | | 06/01/2023 03:02 PM | |
| 58050 | PyROS | Task | In progress | Normal | *** (SF04) CONFIG (in Observatory config - Agents, Majordome behavior, ...) | | 06/05/2023 11:51 AM | |
| 44924 | PyROS | Task | In progress | Normal | *** (SF04) ENTITIES (MODEL) : doc & impl | | 06/01/2023 04:00 PM | |
| 57849 | PyROS | Task | New | Normal | *** (SF04) GENERAL MENU | | 05/30/2023 12:44 PM | |
| 57941 | PyROS | Task | In progress | Normal | *** (SF04) MODULE - django module - organization, files, classes (majordome) | | 06/02/2023 04:15 AM | |
| 44923 | PyROS | Task | In progress | Normal | *** (SF04) TESTS to validate requirements | | 06/02/2023 04:18 AM | |
| 58051 | PyROS | Task | In progress | Normal | *** (SF05) CONFIG (in General config - Sequence files context, Sequence parameters, ...) | | 06/05/2023 11:52 AM | |
| 49249 | PyROS | Task | In progress | Normal | *** (SF05) GENERAL MENU | | 05/30/2023 01:08 PM | |
| 57943 | PyROS | Task | In progress | Normal | *** (SF05) MODULE - django module - organization, files, classes (seq_submit) | | 06/01/2023 03:20 PM | |
| 47447 | PyROS | Task | In progress | Normal | *** (SF05) USE CASES - ACTIONS (on entities) & VIEWS (web pages) | | 06/05/2023 02:54 PM | |
| 58052 | PyROS | Task | New | Normal | *** (SF06) CONFIG (in Obs config) | | 06/05/2023 11:52 AM | |
| 44969 | PyROS | Task | New | Normal | *** (SF07) AUTHORIZATIONS (kifekoi) | | 05/30/2023 03:48 PM | |
| 58053 | PyROS | Task | In progress | Normal | *** (SF07) CONFIG (in General config - sun&moon ephem files context, Scheduler, ...) | | 06/05/2023 12:08 PM | |
| 44968 | PyROS | Task | In progress | Normal | *** (SF07) ENTITIES (MODEL) - definition & impl | | 06/05/2023 11:02 AM | |
| 57944 | PyROS | Task | New | Normal | *** (SF07) MODULE - django module - organization, files, classes (scheduling) | | 05/31/2023 10:54 AM | |
| 57867 | PyROS | Task | New | Normal | *** (SF07) Planning (one night) | | 06/02/2023 05:22 PM | |
| 58046 | PyROS | Task | In progress | Normal | *** (SF07) Sun&Moon Ephemeris (GuitAstro) | | 06/05/2023 12:08 PM | |
| 44970 | PyROS | Task | New | Normal | *** (SF07) TESTS to validate requirements | | 05/30/2023 03:49 PM | |
| 58004 | PyROS | Task | In progress | Normal | *** (SF07) USE CASES - ACTIONS (on entities) & VIEWS (associated web pages) - actions on Sequences & Planning | | 06/02/2023 10:25 AM | |
| 44987 | PyROS | Task | New | Normal | *** (SF08) AUTHORIZATIONS (kifekoi) : doc & impl | | 05/30/2023 09:18 PM | |
| 58054 | PyROS | Task | In progress | Normal | *** (SF08) CONFIG (in Observatory config - L0 image files context, BDF/L0 calib files context...) | | 06/05/2023 11:55 AM | |
| 44986 | PyROS | Task | In progress | Normal | *** (SF08) ENTITIES (MODEL) - definition & impl | | 06/05/2023 04:05 PM | |
| 57878 | PyROS | Task | New | Normal | *** (SF08) GENERAL MENU | | 06/02/2023 09:45 PM | |
| 57945 | PyROS | Task | New | Normal | *** (SF08) MODULE - django module - organization, files, classes (seq_exec) | | 05/31/2023 10:56 AM | |
| 44988 | PyROS | Task | New | Normal | *** (SF08) TESTS to validate requirements | | 05/30/2023 09:19 PM | |
| 44994 | PyROS | Task | New | Normal | *** (SF09) AUTHORIZATIONS (kifekoi) : doc & impl | | 05/30/2023 11:24 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 58055 | PyROS | Task | In progress | Normal | *** (SF09) CONFIG (in Observatory config, devices, device components, agentDevices, channels, device availability, ...) | | 06/05/2023 11:55 AM | |
| 44993 | PyROS | Task | In progress | Normal | *** (SF09) ENTITIES (MODEL) - definition & impl | | 06/05/2023 03:48 PM | |
| 57926 | PyROS | Task | New | Normal | *** (SF09) GENERAL MENU | | 05/31/2023 12:15 AM | |
| 57946 | PyROS | Task | New | Normal | *** (SF09) MODULE - django module - organization, files, classes (cmd_ctrl) | | 05/31/2023 11:14 AM | |
| 57890 | PyROS | Task | New | High | *** (SF09) PROTOCOLS & GRAMMARS | | 06/02/2023 10:41 AM | |
| 44995 | PyROS | Task | New | Normal | *** (SF09) TESTS to validate requirements | | 05/30/2023 11:25 PM | |
| 57912 | PyROS | Task | In progress | Normal | *** (SF09) USE CASES - ACTIONS (on entities) & VIEWS (web pages) | | 06/01/2023 03:29 PM | |
| 45291 | PyROS | Task | New | Normal | *** (SF10) AUTHORIZATIONS (kifekoi) : doc & impl | | 05/30/2023 11:44 PM | |
| 58056 | PyROS | Task | In progress | Normal | *** (SF10) CONFIG (in Observatory config - calibration strategies, calib files context BFD/L1, ...) | | 06/05/2023 11:56 AM | |
| 57925 | PyROS | Task | New | Normal | *** (SF10) GENERAL MENU | | 05/31/2023 12:11 AM | |
| 57947 | PyROS | Task | New | Normal | *** (SF10) MODULE - django module - organization, files, classes (calibfiles_mgmt) | | 05/31/2023 11:14 AM | |
| 45292 | PyROS | Task | New | Normal | *** (SF10) TESTS to validate requirements | | 06/02/2023 01:48 PM | |
| 57970 | PyROS | Task | In progress | Normal | *** (SF11) AGENT(S) | | 06/02/2023 01:14 PM | |
| 58057 | PyROS | Task | In progress | Normal | *** (SF11) CONFIG (in Observatory config, L1d images files context...) | | 06/05/2023 11:57 AM | |
| 53448 | PyROS | Task | In progress | Normal | *** (SF11) ENTITIES (MODEL) - definition & impl | | 06/05/2023 04:01 PM | |
| 57969 | PyROS | Task | New | Normal | *** (SF11) GENERAL MENU | | 06/01/2023 12:44 PM | |
| 57948 | PyROS | Task | In progress | Normal | *** (SF11) MODULE - django module - organization, files, classes (img_process) | | 06/01/2023 03:49 PM | |
| 57968 | PyROS | Task | In progress | Normal | *** (SF11) USE CASES - ACTIONS (on entities) & VIEWS (web pages) | | 06/01/2023 04:01 PM | |
| 57972 | PyROS | Task | In progress | Normal | *** (SF12) AGENT(S) | | 06/01/2023 03:54 PM | |
| 53373 | PyROS | Task | New | Normal | *** (SF12) AUTHORIZATIONS (kifekoi) : doc & impl | | 06/01/2023 12:46 PM | |
| 58058 | PyROS | Task | In progress | Normal | *** (SF12) CONFIG (in Observatory config - L1d & Triton files context, ...) | | 06/05/2023 11:59 AM | |
| 53372 | PyROS | Task | In progress | Normal | *** (SF12) ENTITIES (MODEL) - definition & impl | | 06/01/2023 03:41 PM | |
| 57971 | PyROS | Task | New | Normal | *** (SF12) GENERAL MENU | | 06/01/2023 12:48 PM | |
| 57949 | PyROS | Task | In progress | Normal | *** (SF12) MODULE - django module - organization, files, classes (img_analysis) | | 06/01/2023 03:30 PM | |
| 53374 | PyROS | Task | New | Normal | *** (SF12) TESTS to validate feature & requirements | | 06/01/2023 12:47 PM | |
| 57977 | PyROS | Task | New | Normal | *** (SF13) AGENT(S) | | 06/01/2023 12:51 PM | |
| 57979 | PyROS | Task | New | Normal | *** (SF13) AUTHORIZATIONS (kifekoi) : doc & impl | | 06/01/2023 12:52 PM | |
| 58059 | PyROS | Task | In progress | Normal | *** (SF13) CONFIG (in Observatory config - L2 files context, ...) | | 06/05/2023 11:36 AM | |
| 57974 | PyROS | Task | New | Normal | *** (SF13) ENTITIES (MODEL) - definition & impl | | 06/01/2023 12:50 PM | |
| 57976 | PyROS | Task | New | Normal | *** (SF13) GENERAL MENU | | 06/01/2023 12:51 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 57950 | PyROS | Task | New | Normal | *** (SF13) MODULE - django module - organization, files, classes (img_archiving) | | 05/31/2023 11:17 AM | |
| 57978 | PyROS | Task | New | Normal | *** (SF13) TESTS to validate requirements | | 06/01/2023 12:51 PM | |
| 57975 | PyROS | Task | New | Normal | *** (SF13) USE CASES - ACTIONS (on entities) & VIEWS (web pages) | | 06/01/2023 12:51 PM | |
| 58060 | PyROS | Task | In progress | Normal | *** (SF14) CONFIG (in Observatory config - observatory configuration, topology, unit, ...) | | 06/05/2023 12:02 PM | |
| 47388 | PyROS | Task | In progress | High | *** (SF14) ENTITIES (MODEL) - definition & impl - CONFIG FILES | | 06/05/2023 10:35 AM | |
| 45818 | PyROS | Task | In progress | Normal | *** (SF14) TESTS to validate requirements | | 06/01/2023 03:23 PM | |
| 58061 | PyROS | Task | In progress | Normal | *** (SF15) CONFIG (in Observatory config - AgentSST(s) configuration, ...) | | 06/05/2023 11:40 AM | |
| 45552 | PyROS | Task | In progress | Normal | *** (SF16) CONFIG - PyROS General config | | 06/07/2023 10:29 AM | |
| 58062 | PyROS | Task | In progress | Normal | *** (SF16) configuration parameters : logo, colors, ... | | 06/07/2023 10:29 AM | |
| 49120 | PyROS | Task | In progress | Normal | *** (SF16) General Design (structure, design, responsive, CSS, JS) | | 06/07/2023 10:38 AM | |
| 57954 | PyROS | Task | In progress | Normal | *** (SF16) MODULE (API) - django module - organization, files, classes (api) | | 06/01/2023 03:06 PM | |
| 57955 | PyROS | Task | In progress | Normal | *** (SF16) MODULE - django module - organization, files, classes (dashboard) | | 06/01/2023 03:06 PM | |
| 46790 | PyROS | Task | In progress | Normal | *** (SF16) TESTS to validate feature & requirements | | 06/01/2023 04:59 PM | |
| 57842 | PyROS | Task | In progress | Normal | *** (SF16) WEB frameworks & services integration | | 06/07/2023 10:35 AM | |
| 47867 | LabInvent | Task | New | High | *** F - Autorisations (Users) | | 11/30/2021 03:47 PM | |
| 47907 | LabInvent | Task | New | Normal | *** F - Config YAML (champs materiels) : champs obligatoires, recommandés, ou readonly | | 11/30/2021 01:25 PM | |
| 47959 | LabInvent | Task | New | Normal | *** F - ENTITY - Fournisseurs | | 11/30/2021 12:57 PM | |
| 47930 | LabInvent | Task | New | Normal | *** F - ENTITY - QrCode | | 11/30/2021 01:26 PM | |
| 47897 | LabInvent | Task | New | High | *** F - Stats (Users) | | 11/30/2021 03:48 PM | |
| 47868 | LabInvent | Task | New | Normal | *** F - Super Entité (AppController, AppTable) | | 11/30/2021 01:34 PM | |
| 44835 | PyROS | Task | In progress | Normal | **** (SF01) CRUD actions | | 06/01/2023 03:15 PM | |
| 57509 | PyROS | Task | In progress | Normal | **** (SF01) OTHER actions | | 06/01/2023 03:15 PM | |
| 44843 | PyROS | Task | In progress | Normal | **** (SF01) ROLE Entity (un utilisateur peut avoir plusieurs roles) | | 06/01/2023 03:15 PM | |
| 44842 | PyROS | Task | In progress | Normal | **** (SF01) USER Entity | | 06/01/2023 03:15 PM | |
| 57518 | PyROS | Task | In progress | Normal | **** (SF02) OTHER ENTITIES actions (ST, TP, Institute) | | 06/01/2023 03:17 PM | |
| 57514 | PyROS | Task | In progress | Normal | **** (SF02) SP actions | | 06/01/2023 03:17 PM | |
| 58027 | PyROS | Task | In progress | Normal | **** (SF02) Sun&Moon binary (pickle) files (1/night) (GuitAstro) | | 06/02/2023 05:23 PM | |
| 44884 | PyROS | Task | In progress | Normal | **** (SF02) TP Entity (Time Period) | | 05/19/2023 11:50 PM | |
| 57529 | PyROS | Task | In progress | Normal | **** (SF03) Agent A_EnvMonitor (Environment monitoring) : synthèse des AgentDevices data (compute & save higher level (useful) parameters and synthesis from all detectors) | | 06/01/2023 03:02 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 57530 | PyROS | Task | In progress | Normal | **** (SF03) AgentDevices (1 per Sensor) (sensor devices monitoring : PLC, Weather station, doors, light, and other devices) : read config, get device raw data (status), fix & save it, set thresholds (low/high) => in sensors_data table | | 06/02/2023 04:06 AM | |
| 57544 | PyROS | Task | In progress | Normal | **** (SF03) CRUD actions (surtout le Read) | | 06/01/2023 05:10 PM | |
| 57532 | PyROS | Task | In progress | Normal | **** (SF03) Measure (output data) | | 06/01/2023 03:01 PM | |
| 57542 | PyROS | Task | In progress | Normal | **** (SF03) OTHER actions | | 06/01/2023 03:02 PM | |
| 57851 | PyROS | Task | In progress | Normal | **** (SF05) CRUD actions on Sequence | | 06/05/2023 02:54 PM | |
| 57852 | PyROS | Task | In progress | Normal | **** (SF05) OTHER actions | | 06/01/2023 03:18 PM | |
| 58007 | PyROS | Task | New | Normal | **** (SF07) actions on EPHEMERIS | | 06/02/2023 10:24 AM | |
| 58008 | PyROS | Task | In progress | Normal | **** (SF07) actions on PLANNING | | 06/02/2023 10:25 AM | |
| 53364 | PyROS | Task | New | Normal | **** (SF07) AGENT AgentScheduler (based on Agent class) | | 05/30/2023 03:53 PM | |
| 58009 | PyROS | Task | New | Normal | **** (SF08) ALL DEVICES statuses synthesis (image production subsystem state as a whole) and RESILIENCE (failure tolerance) | | 06/05/2023 03:51 PM | |
| 58092 | PyROS | Task | New | Normal | **** (SF08) Calibration raw image L0 (B0, D0, F0) + Calibration file nomenclature | | 06/05/2023 04:05 PM | |
| 57893 | PyROS | Task | New | Normal | **** (SF08) CRUD L0 image (no update action) (FITS file) | | 05/30/2023 10:08 PM | |
| 57888 | PyROS | Task | In progress | Normal | **** (SF08) Raw Image (L0a) + nomenclature (cf also SF09) | | 06/05/2023 03:58 PM | |
| 47390 | PyROS | Task | In progress | Normal | **** (SF09) AgentDevice (device management Agent) (1 AgentDevice = 1 Device) | | 06/02/2023 08:59 AM | |
| 57897 | PyROS | Task | In progress | Normal | **** (SF09) DEVICE (1 device = N device Components) (Guitastro) | | 06/05/2023 02:50 PM | |
| 57910 | PyROS | Task | In progress | Normal | **** (SF09) Device COMMAND (device level command) | | 06/05/2023 02:50 PM | |
| 58089 | PyROS | Task | New | Normal | **** (SF09) Device Command RESULT | | 06/05/2023 03:47 PM | |
| 57898 | PyROS | Task | New | Normal | **** (SF09) Device COMPONENT (devie capability) - SIMULATORS (GuitAstro) | | 06/05/2023 02:38 PM | |
| 44997 | PyROS | Task | In progress | Normal | **** (SF09) Device Start/Pause/Stop | | 06/01/2023 03:29 PM | |
| 58090 | PyROS | Task | New | Normal | **** (SF09) Device STATUS | | 06/05/2023 03:48 PM | |
| 57914 | PyROS | Task | In progress | Normal | **** (SF09) GET/SET device status (and save it) | | 06/01/2023 03:29 PM | |
| 57916 | PyROS | Task | In progress | Normal | **** (SF09) GET/SET Mode SIMU/REAL | | 06/01/2023 03:29 PM | |
| 58091 | PyROS | Task | New | Normal | **** (SF09) Image L0 (FITS) | | 06/05/2023 03:48 PM | |
| 57913 | PyROS | Task | In progress | Normal | **** (SF09) Send Command to device | | 06/01/2023 03:29 PM | |
| 57952 | PyROS | Task | New | Normal | **** (SF10) BIAS BA1 | | 06/02/2023 01:42 PM | |
| 58094 | PyROS | Task | New | Normal | **** (SF10) Calibration files nomenclature definition | | 06/05/2023 04:04 PM | |
| 57919 | PyROS | Task | New | Normal | **** (SF10) CRUD Calibration files (D/B/F) | | 05/30/2023 11:55 PM | |
| 45346 | PyROS | Task | New | Normal | **** (SF10) DARK DA1 | | 06/02/2023 01:42 PM | |
| 57953 | PyROS | Task | New | Normal | **** (SF10) FLAT FL1 | | 06/02/2023 01:42 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 45290 | PyROS | Task | New | Normal | **** (SF10) INITIAL DATA (Fixture) (default calib Sequences & files) | | 06/02/2023 09:52 AM | |
| 58021 | PyROS | Task | In progress | Normal | **** (SF11) CATALOGS | | 06/05/2023 04:00 PM | |
| 58095 | PyROS | Task | New | Normal | **** (SF11) L1 images nomenclature definition | | 06/05/2023 04:01 PM | |
| 57982 | PyROS | Task | In progress | Normal | **** (SF11) L1a image - corrected, calibrated | | 06/05/2023 03:59 PM | |
| 57983 | PyROS | Task | In progress | Normal | **** (SF11) L1b - WCS | | 06/05/2023 03:59 PM | |
| 57984 | PyROS | Task | In progress | Normal | **** (SF11) L1c - combined L1b images | | 06/05/2023 03:59 PM | |
| 57935 | PyROS | Task | New | Normal | **** (SF14) Config class (OBSConfig) | | 06/05/2023 10:37 AM | |
| 47387 | PyROS | Task | In progress | Normal | **** (SF14) CRUD config files | | 06/01/2023 03:24 PM | |
| 58038 | PyROS | Task | New | Normal | **** (SF14) FILES CONTEXT class (nomenclature & paths) (Guitastro FileNames) | | 06/05/2023 10:37 AM | |
| 45004 | PyROS | Task | In progress | High | **** (SF14) MAIN CONFIG FILE - Décrire dans un fichier texte la configuration complète d'une UNIT (monture) et tous ses composants et instruments associés | | 06/05/2023 10:29 AM | |
| 57934 | PyROS | Task | New | Normal | **** (SF14) MODULE (django app) | | 06/05/2023 10:35 AM | |
| 57999 | PyROS | Task | In progress | Normal | **** (SF14) PICKLE FILES (config file serialization) (optimized binary persistence of config text files) | | 06/02/2023 08:12 AM | |
| 57985 | PyROS | Task | New | Normal | **** (SF15) Agent A_HyperSST web page | | 06/01/2023 04:18 PM | |
| 57986 | PyROS | Task | In progress | Normal | **** (SF15) Agent A_SST and its dedicated agents - web page | | 06/01/2023 04:21 PM | |
| 57981 | PyROS | Task | In progress | Normal | **** (SF15) Agents in TEST mode (test scenarios) | | 06/01/2023 03:11 PM | |
| 57987 | PyROS | Task | In progress | Normal | **** (SF15) All agents - web page | | 06/01/2023 04:19 PM | |
| 58039 | PyROS | Task | In progress | Normal | **** (SF16) ConfigPyros class | | 06/05/2023 10:51 AM | |
| 58040 | PyROS | Task | In progress | Normal | **** (SF16) General config file & web page | | 06/05/2023 10:50 AM | |
| 44990 | PyROS | Task | New | Normal | ***** (SF08) DEVICES MONITORING : Check & log continuously Telescope and instruments status, and make a general synthesis | | 06/02/2023 10:38 AM | |
| 44972 | PyROS | Task | New | Normal | 0 - Planning triggers - each time the context is changed | | 10/07/2022 01:41 PM | |
| 47954 | LabInvent | Task | New | Normal | 1 - CREATED | | 11/30/2021 01:27 PM | |
| 53427 | PyROS | Task | New | Normal | 1 - Get list of SEQ to be planned + fichiers pickle | | 05/09/2023 08:46 AM | |
| 44973 | PyROS | Task | New | Normal | 2 - Planning Sequences according to priorities, quotas, observing conditions, Seq parameters, Seq constraints | | 10/07/2022 01:36 PM | |
| 47953 | LabInvent | Task | New | Normal | 2a - TOBEORDERED (optionnel) | | 11/30/2021 01:27 PM | |
| 47935 | LabInvent | Task | New | Normal | 2b - VALIDATED | | 11/30/2021 01:27 PM | |
| 53429 | PyROS | Task | New | Normal | 3 - Génération du planning dans la BD | | 10/07/2022 01:37 PM | |
| 47936 | LabInvent | Task | New | High | 3-4 - TBO & ARCHIVED | | 11/30/2021 03:43 PM | |
| 47927 | LabInvent | Task | New | High | A gérer via fichier conf YAML | | 11/30/2021 03:47 PM | |
| 47872 | LabInvent | Task | New | High | Actions & Vues | | 11/30/2021 03:42 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 1336 | Pipelet | Task | New | Low | Add comments in multiplex | | 02/24/2011 10:17 AM | |
| 57536 | PyROS | Task | New | Normal | AD_PLC (PLC device monitoring) | | 05/22/2023 08:56 AM | |
| 57538 | PyROS | Task | New | Normal | AD_SensorX (other sensor devices monitoring) | | 05/22/2023 08:57 AM | |
| 57537 | PyROS | Task | New | Normal | AD_WeatherStation (weather station device monitoring) | | 05/22/2023 08:57 AM | |
| 53367 | PyROS | Task | In progress | Normal | Agent A_ImgAnalyzer superclass (abstract) | | 06/01/2023 03:43 PM | |
| 53452 | PyROS | Task | In progress | Normal | Agent A_ImgProcessor TEST mode (test scenarios) | | 06/01/2023 04:00 PM | |
| 57991 | PyROS | Task | New | Normal | Agent A_Majordome TEST mode | | 06/02/2023 04:18 AM | |
| 53368 | PyROS | Task | In progress | Normal | Agent A_Triton (TNC/CNES image processing & analysis) based on A_ImgAnalyzer | | 06/01/2023 03:43 PM | |
| 57990 | PyROS | Task | New | Normal | Agent superclass TEST mode (run by agent A_Basic) | | 06/02/2023 04:17 AM | |
| 57398 | PyROS | Task | In progress | Normal | AgentCmd | | 06/01/2023 04:35 PM | |
| 48289 | PyROS | Task | New | Normal | AgentDevice base class (based on Agent superclass) | | 06/02/2023 08:18 AM | |
| 57900 | PyROS | Task | New | Normal | AgentDevices => 1 AgentDevice associated to each hardware Device - named AD_device-name | | 05/30/2023 11:29 PM | |
| 53443 | PyROS | Task | In progress | Normal | AgentImgsCombinator | | 06/01/2023 03:51 PM | |
| 53380 | PyROS | Task | In progress | Normal | AgentMCO class (specialized subclass) | | 06/01/2023 03:54 PM | |
| 53381 | PyROS | Task | In progress | Normal | AgentTriton class (specialized subclass) | | 06/01/2023 03:43 PM | |
| 58031 | PyROS | Task | In progress | Normal | Ajout bouton Check VISIBILITY + affichage graphique du résultat | | 06/02/2023 11:12 PM | |
| 47966 | LabInvent | Task | New | Normal | Ajouter test Commande (avec devis joint) | | 11/30/2021 04:17 PM | |
| 57397 | PyROS | Task | In progress | Normal | Album | | 06/01/2023 04:34 PM | |
| 57883 | PyROS | Task | New | Normal | Album execution (N albums in parallel) | | 05/30/2023 09:31 PM | |
| 57838 | PyROS | Task | In progress | Normal | All | | 06/01/2023 04:35 PM | |
| 47945 | LabInvent | Task | New | Normal | ALL | | 11/30/2021 12:23 PM | |
| 53445 | PyROS | Task | New | Normal | All methods | | 10/07/2022 04:20 PM | |
| 53334 | PyROS | Task | In progress | Normal | Ansible - IT automation tool (outil gestion conf) - gestion architecture décentralisée sur plusieurs noeuds | | 06/01/2023 04:22 PM | |
| 57871 | PyROS | Task | In progress | Normal | API tests (todo : test dépot sequences) | | 06/01/2023 05:00 PM | |
| 47375 | PyROS | Task | New | Normal | Association quota SP | | 10/11/2021 10:37 AM | |
| 48290 | PyROS | Task | New | Normal | Auto mode | | 12/14/2021 12:35 PM | |
| 47871 | LabInvent | Task | New | Normal | Autorisations | | 11/30/2021 01:29 PM | |
| 47878 | LabInvent | Task | New | High | Autres | | 11/30/2021 03:44 PM | |
| 49889 | PyROS | Task | New | Normal | Backup | | 03/16/2022 04:49 PM | |
| 58109 | PyROS | Task | New | Normal | Bootstrap CSS framework UPDATE to v5.3 | | 06/07/2023 10:35 AM | |
| 48005 | LabInvent | Task | New | Normal | Bugfix toutes les Deprecated Errors | | 12/06/2021 02:37 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 58071 | PyROS | Task | New | Normal | BuildingAstroMecca device + Generic command grammar to native | | 06/05/2023 02:48 PM | |
| 47445 | PyROS | Task | New | Normal | CAHIER DE RECETTE (NC) | | 10/11/2021 11:31 AM | |
| 53436 | PyROS | Task | New | Normal | Calcul des paramètres de qualité et mise en DB | | 11/09/2022 10:27 AM | |
| 57995 | PyROS | Task | In progress | Normal | Calibration => institute "calib" + ST "calib" + SP "calib" (SP systématiquement recréé à chaque nouvelle TP) | | 06/02/2023 05:21 AM | |
| 57873 | PyROS | Task | New | Normal | Call Sequence Ephemeris computation and production (file) | | 05/30/2023 08:59 PM | |
| 57875 | PyROS | Task | New | Normal | Call Sun&Moon Ephemeris computation and production (pickle file) for this TP (cf also SF07) (GuitAstro) => 2 fichiers par nuit (1 sun, 1 moon) | | 06/02/2023 05:13 PM | |
| 45049 | PyROS | Task | New | Normal | CAMERA FLI device + Generic command grammar to native | | 06/05/2023 02:48 PM | |
| 47960 | LabInvent | Task | New | Immediate | CHAMPS | | 01/19/2022 03:51 PM | |
| 47906 | LabInvent | Task | New | Urgent | Champs virtuels | | 11/30/2021 03:50 PM | |
| 44915 | PyROS | Task | In progress | Normal | Changer le mode du système : passer en mode manuel (maintenance) ou automatique | | 05/09/2023 08:15 AM | |
| 47889 | LabInvent | Task | New | Normal | Changer statut - setStatusTo*() | | 11/30/2021 01:19 PM | |
| 58083 | PyROS | Task | New | Normal | Class source code | | 06/05/2023 02:49 PM | |
| 58082 | PyROS | Task | New | Normal | class source code | | 06/05/2023 02:42 PM | |
| 48271 | PyROS | Task | New | High | CLASSIC installation (with venv) | | 03/16/2022 07:27 AM | |
| 47946 | LabInvent | Task | New | Normal | classic only | | 12/03/2021 09:50 AM | |
| 53428 | PyROS | Task | New | Normal | Codage (source code) | | 10/07/2022 01:36 PM | |
| 47890 | LabInvent | Task | New | High | Commander (demande achat) | | 01/19/2022 03:48 PM | |
| 57992 | PyROS | Task | New | Normal | Commands execution mode SEQUENTIAL or PARALLEL (2 modes : THREAD or PROCESS) | | 06/02/2023 04:24 AM | |
| 53357 | PyROS | Task | New | Normal | Compute & Save synthesis data (for Majordome decision) | | 10/03/2022 02:16 PM | |
| 53356 | PyROS | Task | In progress | Normal | Compute & Save synthesis data (for Majordome decision) | | 05/22/2023 09:33 AM | |
| 44906 | PyROS | Task | In progress | Normal | Compute and save Observing conditions | | 06/01/2023 04:45 PM | |
| 49870 | PyROS | Task | New | Normal | Config générale : logo, pagination, couleurs, options générales, options par feature, ... | | 03/15/2022 11:11 PM | |
| 49871 | PyROS | Task | New | Normal | Config par défaut (à définir) | | 03/15/2022 11:11 PM | |
| 49210 | PyROS | Task | New | Normal | CONFIGURATION GENERALE | | 03/15/2022 11:11 PM | |
| 58081 | PyROS | Task | New | Normal | ConformationChannels (composed of a MotorAxis) | | 06/05/2023 02:31 PM | |
| 44355 | PyROS | Task | New | Normal | Construire une nouvelle grammaire générique de commandes, basée sur INDI (pyros doit parler INDI par défaut) | | 03/25/2021 05:37 PM | |
| 57920 | PyROS | Task | New | Normal | CREATE | | 05/30/2023 11:55 PM | |
| 57837 | PyROS | Task | In progress | Normal | CREATE (PUT via upload) | | 06/01/2023 04:34 PM | |
| 44932 | PyROS | Task | New | Normal | CREATE a Sequence (must be attached to a valid SP) | | 06/05/2023 02:54 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 45294 | PyROS | Task | New | Normal | Create BIAS files (acquisition) | | 05/30/2023 11:55 PM | |
| 45295 | PyROS | Task | New | Normal | Create DARK files (acquisition) | | 05/30/2023 11:55 PM | |
| 45293 | PyROS | Task | New | Normal | Create FLAT files (acquisition) | | 05/30/2023 11:55 PM | |
| 57894 | PyROS | Task | New | Normal | CREATE L0 image | | 05/30/2023 10:06 PM | |
| 53432 | PyROS | Task | New | Normal | CREATE Sun&Moon Ephemeris (pickle file) for a given Time Period (cf also SF02) (GuitAstro) | | 06/02/2023 10:23 AM | |
| 57506 | PyROS | Task | New | Normal | Create-Update | | 05/19/2023 04:14 PM | |
| 57545 | PyROS | Task | In progress | Normal | Create-Update, Delete => cf Agents | | 06/01/2023 04:45 PM | |
| 47911 | LabInvent | Task | New | Normal | Create/Update (add_edit generic) | | 11/30/2021 11:04 AM | |
| 47879 | LabInvent | Task | New | High | Create/Update - add_edit | | 11/30/2021 03:42 PM | |
| 49250 | PyROS | Task | New | Normal | CREATE/UPDATE Sequence | | 06/05/2023 02:54 PM | |
| 57835 | PyROS | Task | In progress | Normal | CRUD | | 06/01/2023 04:34 PM | |
| 47876 | LabInvent | Task | New | High | CRUD | | 11/30/2021 03:42 PM | |
| 57870 | PyROS | Task | New | Normal | Dashboard tests | | 05/30/2023 04:05 PM | |
| 47950 | LabInvent | Task | New | Normal | DB complète à mettre à jour | | 11/30/2021 12:26 PM | |
| 57994 | PyROS | Task | In progress | Normal | default institutes, TP, ST, SP | | 06/02/2023 05:18 AM | |
| 58003 | PyROS | Task | In progress | Normal | default Sequences for Calibration (B/D/F) | | 06/02/2023 09:41 AM | |
| 58141 | Grand Data Management | Task | New | Normal | Define access protocols | | 06/08/2023 05:37 PM | |
| 58140 | Grand Data Management | Task | New | Normal | Define access rules for datas | | 06/08/2023 05:36 PM | |
| 58142 | Grand Data Management | Task | New | Normal | Define archiving and replication | | 06/08/2023 05:42 PM | |
| 58139 | Grand Data Management | Task | New | Normal | Define data hosting sites | | 06/08/2023 05:42 PM | |
| 58136 | Grand Data Management | Task | New | Normal | Define dataflow | | 06/08/2023 05:30 PM | |
| 58144 | Grand Data Management | Task | New | Normal | Define integrity checks befor registering | | 06/08/2023 05:51 PM | |
| 58143 | Grand Data Management | Task | New | Normal | Define registering rules | | 06/08/2023 05:51 PM | |
| 58146 | Grand Data Management | Task | New | Normal | Define registration procedure | | 06/08/2023 05:51 PM | |
| 58133 | Grand Data Management | Task | New | Normal | Define Root files format | | 06/08/2023 04:35 PM | Definition |
| 58134 | Grand Data Management | Task | In progress | High | Define root files storage structure | | 06/08/2023 04:38 PM | Definition |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 58145 | Grand Data Management | Task | New | Normal | Define validation process | | 06/08/2023 05:51 PM | |
| 58138 | Grand Data Management | Task | New | Normal | Define versioning procedure | | 06/08/2023 05:34 PM | |
| 45748 | PyROS | Task | New | Normal | Définir Accesseurs (getX()) | | 05/31/2023 12:04 AM | |
| 57922 | PyROS | Task | New | Normal | DELETE | | 05/30/2023 11:54 PM | |
| 57507 | PyROS | Task | New | Normal | Delete | | 05/19/2023 04:19 PM | |
| 47958 | LabInvent | Task | New | Normal | delete (generic) | | 11/30/2021 12:47 PM | |
| 47882 | LabInvent | Task | New | High | Delete - delete | | 11/30/2021 03:42 PM | |
| 57896 | PyROS | Task | New | Normal | DELETE L0 image | | 05/30/2023 10:07 PM | |
| 44920 | PyROS | Task | New | Normal | Démarrage ou fin des observations (début/fin de nuit) | | 06/29/2022 07:38 AM | |
| 57906 | PyROS | Task | New | Normal | DetectorFocuser (composed of 1 MotorAxis) | | 06/05/2023 02:37 PM | |
| 57901 | PyROS | Task | New | Normal | Device commands NATIVE grammar (and generic to native conversion) | | 06/05/2023 02:33 PM | |
| 57909 | PyROS | Task | New | Normal | Device component MODE (SIMULATED by default, or REAL) | | 06/05/2023 02:38 PM | |
| 47389 | PyROS | Task | In progress | Normal | Device Component SUPERCLASS (Guitastro) | | 06/05/2023 02:33 PM | |
| 57903 | PyROS | Task | New | Normal | Device Components (types, device component subclasses) - SIMULATORS | | 06/05/2023 02:37 PM | |
| 57551 | PyROS | Task | New | Normal | Device description (sensors output data, unit, capabilities, ...) | | 05/22/2023 10:05 AM | |
| 57552 | PyROS | Task | New | Normal | Device inheritance - un fichier device doit pouvoir hériter d'un modèle de base et l'étendre avec seulement quelques attributs (surcharge) pour éviter la redondance | | 05/22/2023 10:05 AM | |
| 57911 | PyROS | Task | New | Normal | Device Status | | 06/05/2023 02:49 PM | |
| 58067 | PyROS | Task | New | Normal | Device SUPERCLASS + Generic Commands Grammar | | 06/05/2023 02:50 PM | |
| 58068 | PyROS | Task | New | Normal | DEVICES (types, device subclasses) (by default in SIMU mode) | | 06/05/2023 02:40 PM | |
| 53437 | PyROS | Task | New | Normal | Diagnostic de qualité des images de calib | | 11/09/2022 10:27 AM | |
| 47947 | LabInvent | Task | New | High | docker only | | 12/13/2021 11:07 AM | |
| 45781 | PyROS | Task | In progress | Normal | Documentation et Présentations pour les PA et PK CNES | | 01/31/2022 11:32 AM | |
| 3954 | Pipelet | Task | New | Low | Documentation: Environment cheat sheet | | 02/13/2013 11:00 AM | |
| 47441 | PyROS | Task | New | Normal | DOSSIER DE DÉFINITION | | 10/11/2021 11:32 AM | |
| 47446 | PyROS | Task | New | Normal | DOSSIER SSI | | 10/11/2021 11:32 AM | |
| 47952 | LabInvent | Task | New | High | Ecran d’accueil à restructurer | | 11/30/2021 03:43 PM | |
| 53358 | PyROS | Task | New | Normal | Exceptions management | | 10/03/2022 02:25 PM | |
| 44999 | PyROS | Task | New | Normal | Execution | | 12/14/2021 12:35 PM | |
| 57543 | PyROS | Task | In progress | Normal | EXPORT data (csv) : history data (outside weather & inside observatory) | | 06/01/2023 04:44 PM | |
| 47405 | PyROS | Task | In progress | Normal | F02 Tests | | 10/12/2021 02:59 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 47406 | PyROS | Task | In progress | Normal | F03 Tests | | 10/12/2021 03:00 PM | |
| 47407 | PyROS | Task | In progress | Normal | F04 Tests | | 10/12/2021 03:00 PM | |
| 47408 | PyROS | Task | In progress | Normal | F05 Tests | | 10/12/2021 03:00 PM | |
| 47409 | PyROS | Task | New | Normal | F06 FUNCTIONAL Tests | | 10/11/2021 10:10 AM | |
| 47410 | PyROS | Task | New | Normal | F07 FUNCTIONAL Tests | | 10/11/2021 10:10 AM | |
| 47411 | PyROS | Task | New | Normal | F08 FUNCTIONAL Tests | | 10/11/2021 10:10 AM | |
| 47412 | PyROS | Task | In progress | Normal | F09 Tests | | 10/12/2021 03:01 PM | |
| 47413 | PyROS | Task | New | Normal | F10 FUNCTIONAL Tests | | 10/11/2021 10:10 AM | |
| 47414 | PyROS | Task | New | Normal | F11 FUNCTIONAL Tests | | 10/11/2021 10:10 AM | |
| 47415 | PyROS | Task | New | Normal | F12 FUNCTIONAL Tests | | 10/11/2021 10:11 AM | |
| 47416 | PyROS | Task | New | Normal | F13 FUNCTIONAL Tests | | 10/11/2021 10:11 AM | |
| 47418 | PyROS | Task | New | Normal | F15 FUNCTIONAL Tests | | 10/11/2021 10:11 AM | |
| 47419 | PyROS | Task | New | Normal | F16 FUNCTIONAL Tests | | 10/11/2021 10:11 AM | |
| 58042 | PyROS | Task | In progress | Normal | FILES CONTEXT class (nomenclature & paths) (GuitAstro FileNames CLASS) | | 06/05/2023 10:50 AM | |
| 57907 | PyROS | Task | New | Normal | FilterWheel | | 05/30/2023 11:00 PM | |
| 47885 | LabInvent | Task | New | Normal | filtrage (voir formulaire index) | | 11/30/2021 01:30 PM | |
| 47877 | LabInvent | Task | New | High | find (search) | | 11/30/2021 03:43 PM | |
| 49888 | PyROS | Task | New | Normal | Firewall | | 03/16/2022 04:48 PM | |
| 58069 | PyROS | Task | In progress | Normal | FocuserOptec Device + Generic command grammar to native | | 06/05/2023 02:47 PM | |
| 58118 | PyROS | Task | New | Normal | for QO (NC site, 2024 S1) - REAL mode | | 06/07/2023 01:07 PM | |
| 58117 | PyROS | Task | New | Normal | for QT (Aussaguel, 2023 S2) - SIMU mode | | 06/07/2023 01:06 PM | |
| 47883 | LabInvent | Task | New | Normal | formulaire de recherche multi-critères | | 11/30/2021 01:30 PM | |
| 57450 | PyROS | Task | New | Normal | from WEB page (INTERACTIVE) | | 05/12/2023 06:43 AM | |
| 47401 | PyROS | Task | New | Normal | FUNCTIONAL TESTS - Each FEATURE functional tests | | 10/11/2021 11:42 AM | |
| 58041 | PyROS | Task | In progress | Normal | General class definition | | 06/05/2023 10:51 AM | |
| 58043 | PyROS | Task | In progress | Normal | General configuration file definition | | 06/05/2023 10:47 AM | |
| 58108 | PyROS | Task | In progress | Normal | General CSS structure | | 06/07/2023 10:35 AM | |
| 48279 | PyROS | Task | New | Normal | General LOGGING (fichiers texte, écran en mode debug) | | 03/16/2022 04:45 PM | |
| 58110 | PyROS | Task | In progress | Normal | General structure | | 06/07/2023 10:39 AM | |
| 45000 | PyROS | Task | New | High | Generic commands grammar description & management (Guitastro) | | 05/30/2023 09:55 PM | |
| 45749 | PyROS | Task | In progress | Normal | Gérer le retrait et le retour d'un device (panne, désactiver/réactiver un device) | | 06/02/2023 08:15 AM | |
| 48285 | PyROS | Task | New | Normal | gestion du/des DeviceController(s) associé(s) (1 AD = 1 device = N device Components = N Device Controller) | | 05/30/2023 11:28 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 57881 | PyROS | Task | New | Normal | Get next Seq to execute | | 05/30/2023 09:29 PM | |
| 44901 | PyROS | Task | In progress | Normal | Get PLC mode changes (off/manu/auto) and alarms (intrusion, e_stop), and save them | | 06/01/2023 04:45 PM | |
| 49136 | PyROS | Task | In progress | Normal | GF03-INFRA - Logging integration (general logs & agents) | | 06/01/2023 04:36 PM | |
| 49890 | PyROS | Task | New | Normal | Global Start & Stop (safe) | | 03/16/2022 04:52 PM | |
| 57908 | PyROS | Task | New | Normal | GPS | | 05/30/2023 11:00 PM | |
| 49876 | PyROS | Task | New | Normal | Guitastro integration | | 03/16/2022 07:28 AM | |
| 49887 | PyROS | Task | New | Normal | Hardware | | 03/16/2022 04:47 PM | |
| 57540 | PyROS | Task | In progress | Normal | HISTORY data | | 06/01/2023 04:45 PM | |
| 58111 | PyROS | Task | In progress | Normal | Icones ok sur chaque fonction | | 06/07/2023 10:39 AM | |
| 58137 | Grand Data Management | Task | New | Normal | Identify data types | | 06/08/2023 05:32 PM | |
| 53759 | PyROS | Task | In progress | Normal | Image L0 Nomenclature (noms fichiers) | | 06/02/2023 10:44 AM | |
| 57885 | PyROS | Task | New | Normal | Image production (L0) | | 05/30/2023 09:32 PM | |
| 45051 | PyROS | Task | New | Normal | Implémenter le protocole Indi avec une classe DeviceControllerIndi | | 05/06/2021 05:05 PM | |
| 47942 | LabInvent | Task | New | High | index (generic) | | 11/30/2021 03:48 PM | |
| 47914 | LabInvent | Task | New | High | index (generic) | | 11/30/2021 03:50 PM | |
| 53350 | PyROS | Task | In progress | Normal | INSIDE environment (observatory) management | | 06/01/2023 04:45 PM | |
| 47926 | LabInvent | Task | New | High | Instance DEMO docker - à installer sur hyp2 puis sur VM pweb3 | | 12/13/2021 11:07 AM | |
| 48223 | LabInvent | Task | New | Normal | instance perso (docker) | | 12/13/2021 11:08 AM | |
| 44334 | PyROS | Task | In progress | High | Intégration protocole INDI (Guitastro) | | 05/30/2023 09:56 PM | |
| 5267 | SIMGRID | Task | Assigned | Normal | IO Bench script | | 10/07/2013 12:08 AM | |
| 57889 | PyROS | Task | In progress | Normal | L0 image file format & content definition (FITS) | | 06/02/2023 10:33 AM | |
| 53376 | PyROS | Task | In progress | Normal | L1d level (name, text reports...) | | 06/01/2023 03:41 PM | |
| 53338 | PyROS | Task | New | Normal | Lancement automatique des super agents SST de chaque noeud pyros (selon configuration observatoire) | | 10/03/2022 09:56 AM | |
| 47934 | LabInvent | Task | New | High | LIFECYCLE (Status) : CREATED => (TBO) => VALIDATED => TBA => ARCHIVED | | 11/30/2021 03:43 PM | |
| 47440 | PyROS | Task | New | Normal | LIVRABLES | | 10/11/2021 11:29 AM | |
| 51514 | PyROS | Task | New | Normal | LOG | | 06/29/2022 07:37 AM | |
| 1337 | Pipelet | Task | New | Normal | logged_subprocess improvement | | 03/08/2011 09:07 PM | |
| 58028 | PyROS | Task | New | Normal | Main web page (with menu) | | 06/02/2023 09:46 PM | |
| 44992 | PyROS | Task | New | Normal | Manage MODE change (AUTO/MAN) | | 05/30/2023 09:50 PM | |
| 44989 | PyROS | Task | New | Normal | Manage START/PAUSE/STOP modes | | 05/30/2023 09:50 PM | |

| # | Project | Tracker | Status | Priority | Subject | Assigned To | Updated | Category |
|---|---|---|---|---|---|---|---|---|
| 45046 | PyROS | Task | New | Normal | Manual mode | | 12/14/2021 12:34 PM | |
| 47444 | PyROS | Task | New | Normal | MANUELS UTILISATION, INSTALLATION, ET MAINTENANCE | | 10/11/2021 11:31 AM | |
| 44329 | PyROS | Task | New | High | Migration gitlab sur IN2P3 | | 12/14/2021 12:08 PM | |
| 767 | SphereLib | Task | New | Normal | Mise au propre des include de la lib | | 06/16/2010 11:36 AM | |
| 47873 | LabInvent | Task | New | Normal | Model (Entity & Table) | | 12/01/2021 09:37 AM | |
| 44998 | PyROS | Task | New | Normal | Monitoring : Check & log continuously instrument (or telescope) status | | 12/14/2021 12:33 PM | |
| 58070 | PyROS | Task | In progress | Normal | MountAstroMecca device + Generic command grammar to native | | 06/05/2023 02:48 PM | |
| 57904 | PyROS | Task | New | Normal | MountPointing (composed of 2 MotorAxis) | | 06/05/2023 02:36 PM | |
| 4788 | RENOIR chat | Task | New | Low | Nemo3 / SuperNemo experiments | | 07/09/2013 06:26 PM | |
| 49885 | PyROS | Task | New | Normal | Network | | 03/16/2022 04:46 PM | |
| 47886 | LabInvent | Task | New | Urgent | Notifications | | 11/30/2021 03:45 PM | |
| 44896 | PyROS | Task | New | Normal | On peut consulter la liste des SP | | 06/18/2021 03:17 PM | |
| 44897 | PyROS | Task | New | Normal | On peut voir la fiche détaillée d'un SP | | 06/16/2021 11:29 AM | |
| 53446 | PyROS | Task | New | Normal | Optimisation : il devrait y en avoir 1 sur chaque pc de chaque camera et chacun fait la recombinaison des 4 images à tour de rôle | | 10/07/2022 04:21 PM | |
| 44918 | PyROS | Task | New | Normal | Optimiser : Agir sur le système en fonction des conditions d'observation pour n'observer que quand la qualité du ciel est suffisante | | 06/28/2022 09:58 PM | |
| 58114 | PyROS | Task | New | Normal | ORGANISATION DU CODE SOURCE - réorganisation en cours : 1 SF <= => 1 Module | | 06/07/2023 12:42 PM | |
| 53426 | PyROS | Task | New | Normal | Other parts | | 10/07/2022 01:33 PM | |
| 57902 | PyROS | Task | New | Normal | Output data | | 06/05/2023 02:33 PM | |
| 53349 | PyROS | Task | In progress | Normal | OUTSIDE environment (weather) management | | 06/01/2023 04:44 PM | |
| 47439 | PyROS | Task | New | Normal | PA et PK CNES | | 01/31/2022 11:29 AM | |
| 45791 | PyROS | Task | New | Normal | PA1.1 (2022-03) - Présentations et Rapport Avancement | | 10/11/2021 11:14 AM | |
| 47430 | PyROS | Task | New | Normal | PA2.1 (2022-08) - Présentations et Rapport Avancement | | 10/11/2021 11:18 AM | |
| 47431 | PyROS | Task | New | Normal | PA2.2 (2022-10) - Présentations et Rapport Avancement | | 10/11/2021 11:19 AM | |
| 47433 | PyROS | Task | New | Normal | PA3.1 (2023-01) - Présentations et Rapport Avancement | | 10/11/2021 11:22 AM | |
| 47435 | PyROS | Task | New | Normal | PA3.2 (2023-02) - Présentations et Rapport Avancement | | 10/11/2021 11:22 AM | |

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