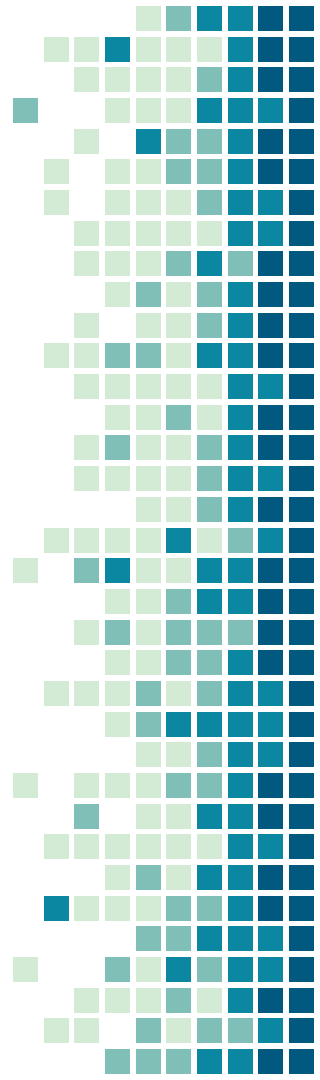


Forum della Ricerca Sperimentale e Tecnologica in INAF

Telescopio Nazionale Galileo

Elettronica e Rivelatori

Rosario Cosentino INAF-FGG



Personale CSN5

Nome	Cognome	Posizione
Rosario	Cosentino	Dipendente INAF
Ennio	Poretti	Dipendente INAF
Massimo	Cecconi	Associato con Incarico Attivo
Luca	Di Fabrizio	Associato con Incarico Attivo
Adriano	Ghedina	Associato con Incarico Attivo
Manuel Domingo	Gonzalez Gomez	Associato con Incarico Attivo
Marcello	Lodi	Associato con Incarico Attivo
Alberto	Galli	Associato Attivo
Jose	Guerra	Associato Attivo
Vidal	Guerra Padilla	Associato Attivo
Marcos	Hernandez Diaz	Associato Attivo
Hector	Perez Ventura	Associato Attivo
Angel Luis	Riverol Rodriguez	Associato Attivo
Jose Juan	san juan gomez	Associato Attivo
Marco	De Benedetto	non ancora associato
Nauzet	Hernandez	non ancora associato
Carlos	Riverol	non ancora associato

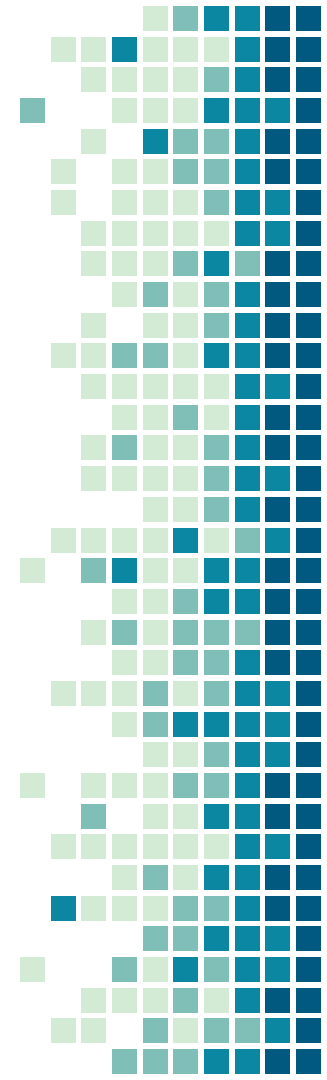


Electronica e Rivelatori

- ❑ Progettazione elettronica
 - PCB convenzionali
 - PCB flex
 - Prototipi
- ❑ Controller CCD
 - Skytech
 - ARC imaging array controller
 - NGC (ESO CCD controller)
- ❑ Progetti
 - Hanpo (polarimetro per HARPS-N)
 - Sifap (fotometro ultraveloce)
 - Tracking del telescopio
 - Locness (telescopio solare infrarosso)
 - Ardolor (controllo movimentazioni di DOLORES)
 - Batman (skytec controller)
 - Dolores (ARC controller)
 - SOXS (NGC controller)

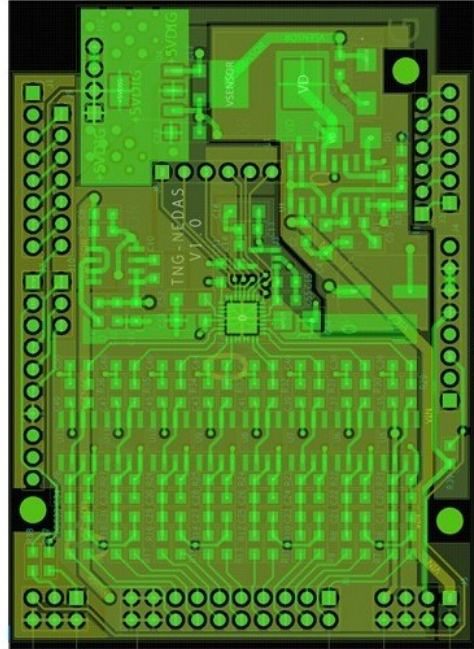
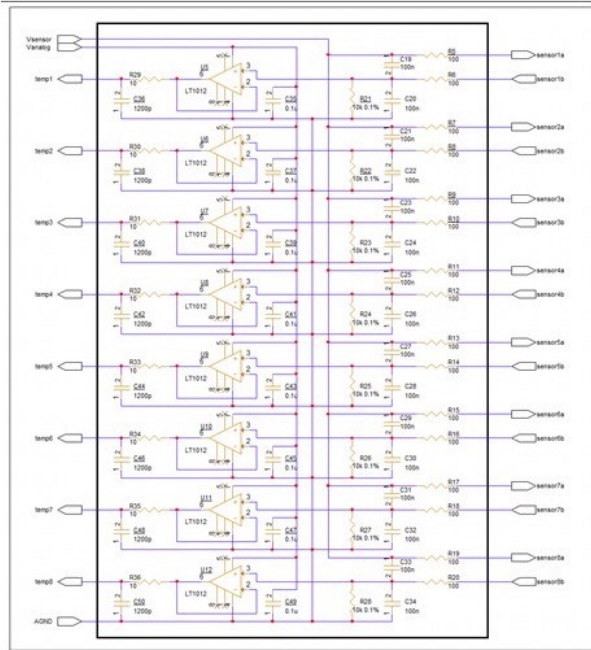


Progettazione elettronica



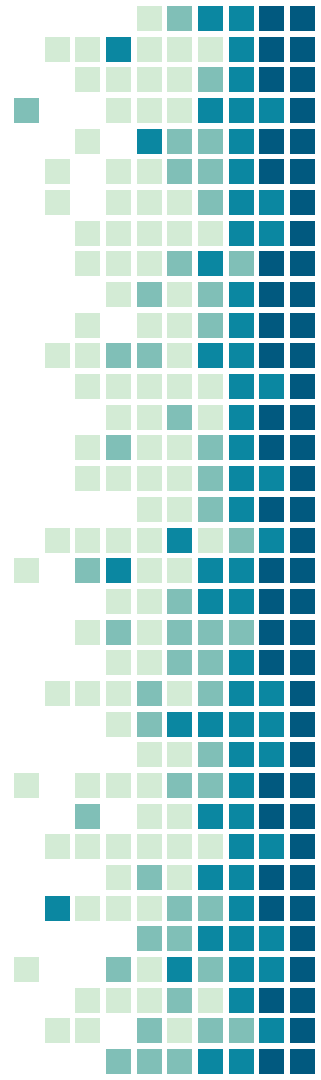
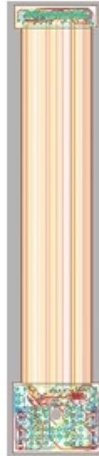
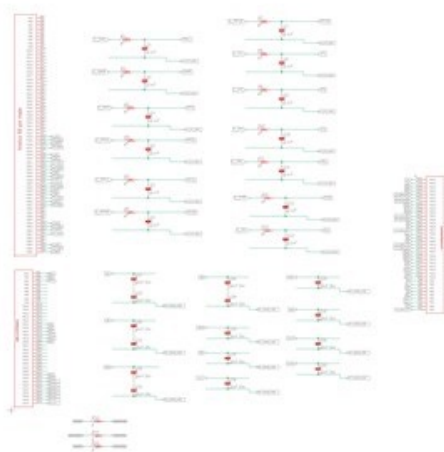
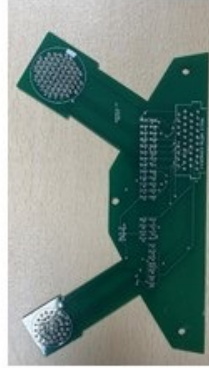
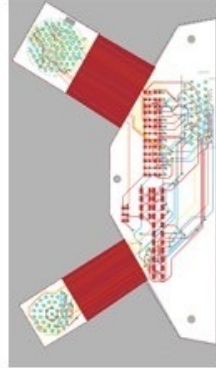
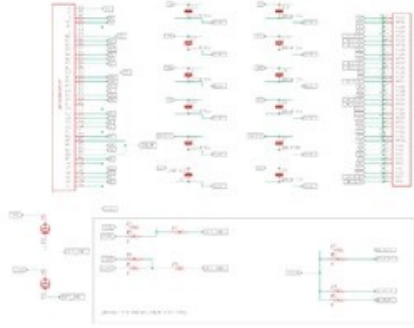
Progettazione e realizzazione schede elettroniche convenzionali

Eagle (autodesk) /OrCad (Cadence)



Progettazione e realizzazione schede flessibili per rivelatori (SOXS)

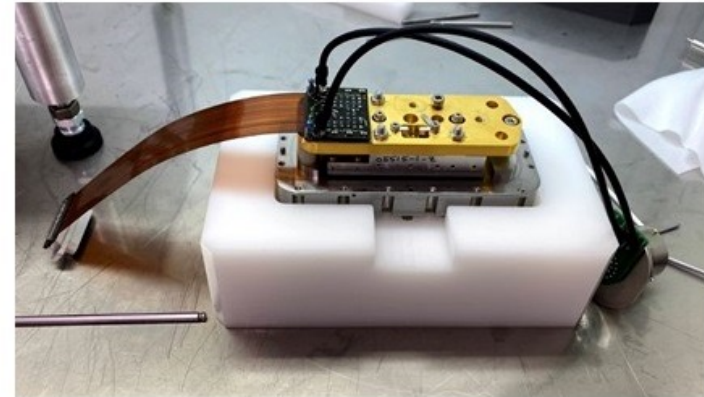
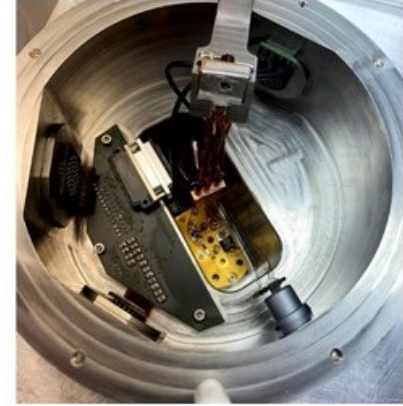
Eagle (autodesk) + Fusion (autodesk)



Disegno – Prototipo – realizzazione finale (SOXS)

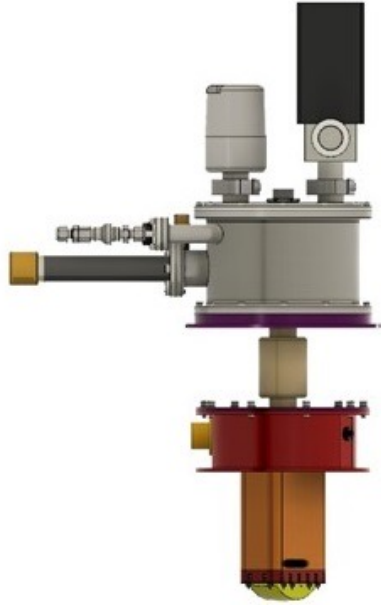


Eagle (autodesk) + Fusion (autodesk)

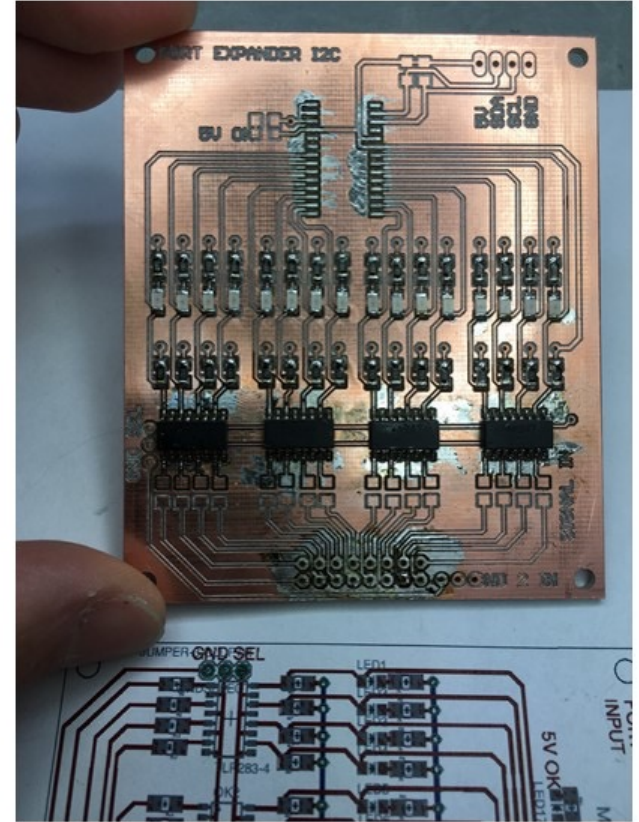
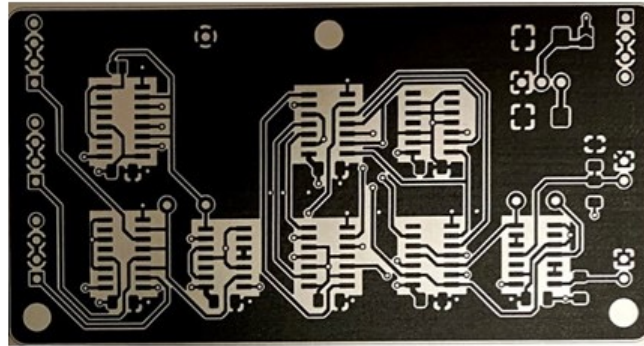
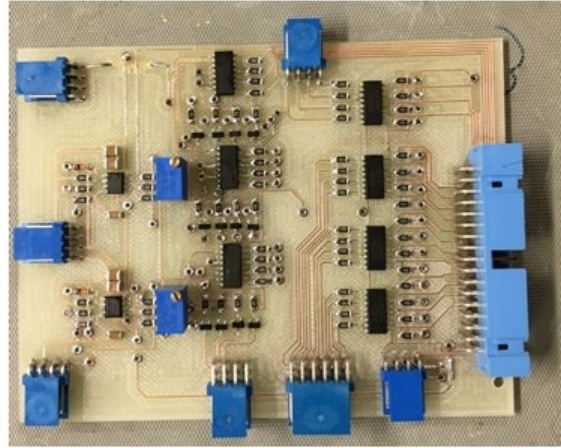
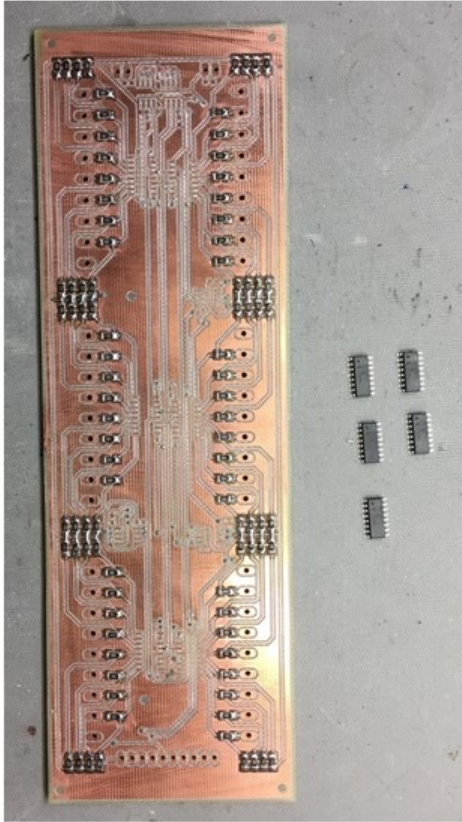


Disegno – Prototipo – prodotto finale (SOXS)

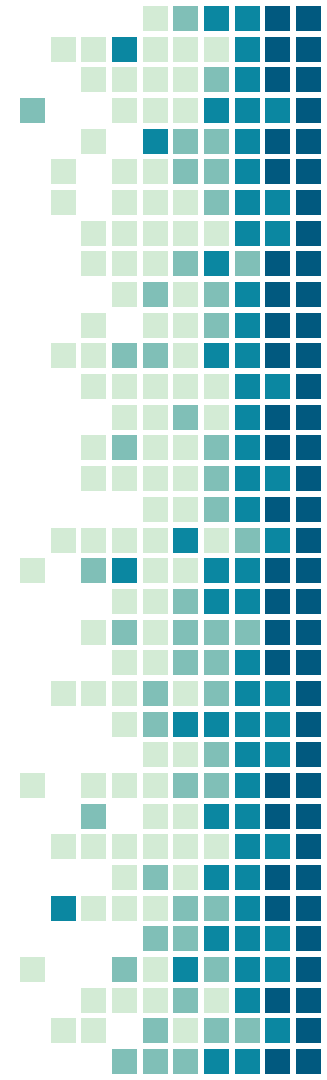
Fusion (autodesk)



Progettazione e realizzazione prototipi (PCB)



Controller CCD



CCD controller Skytech



AI TNG dal 2000

Strumenti:

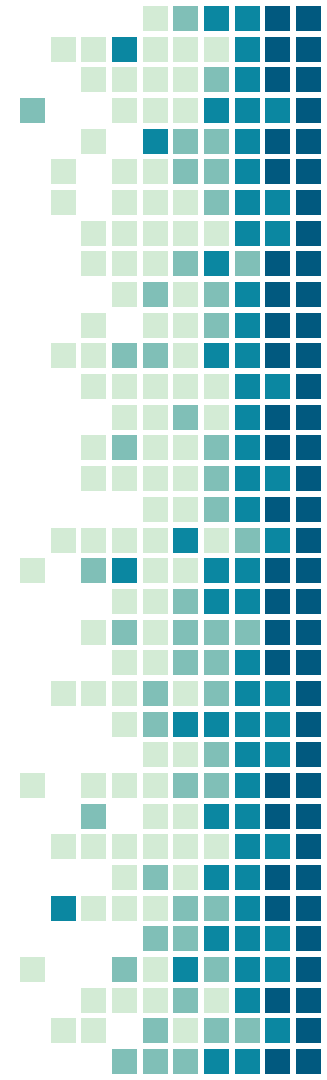
OIG (decommissionato)

SARG (decommissionato)

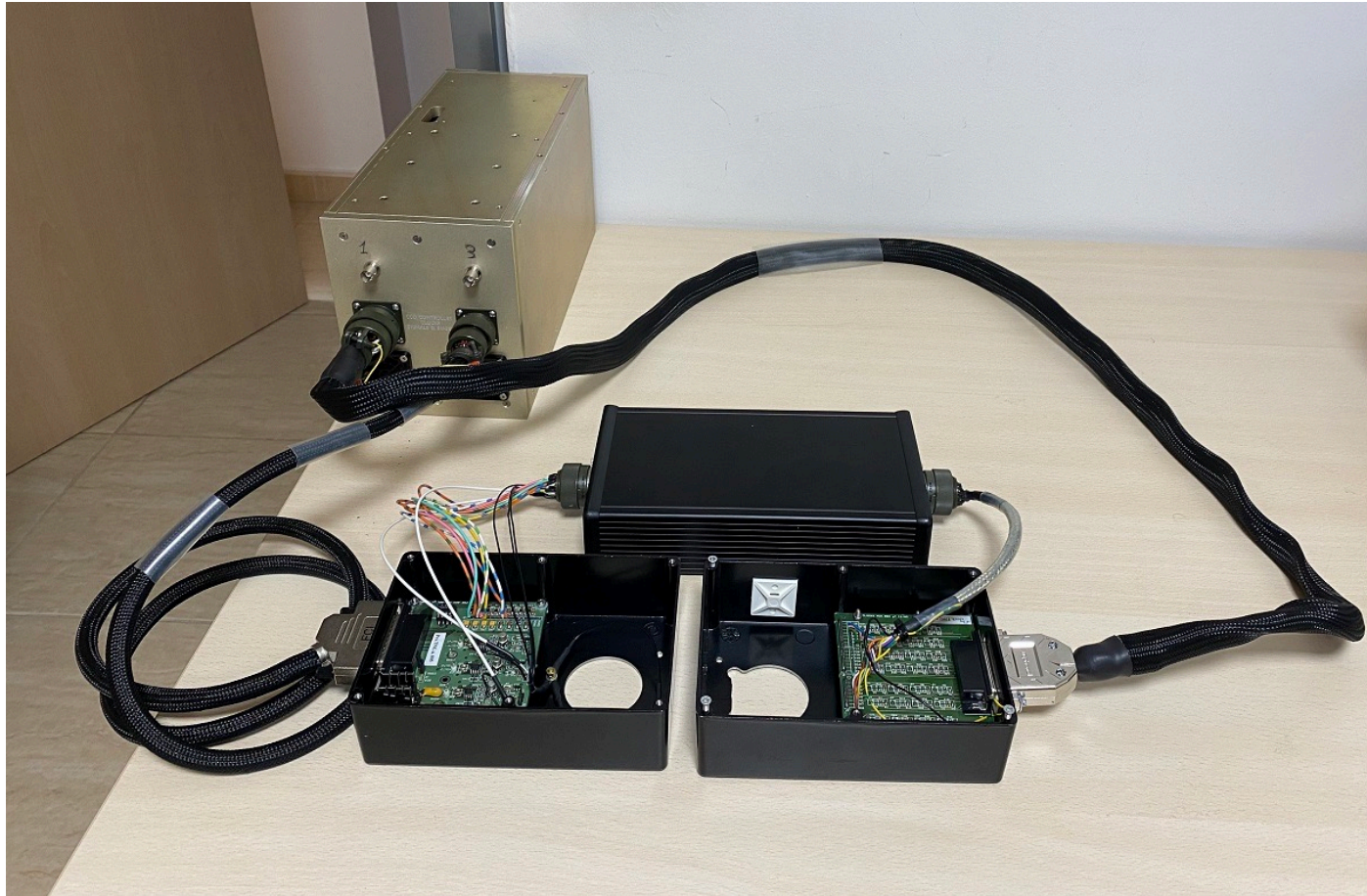
DOLORES

Laboratorio

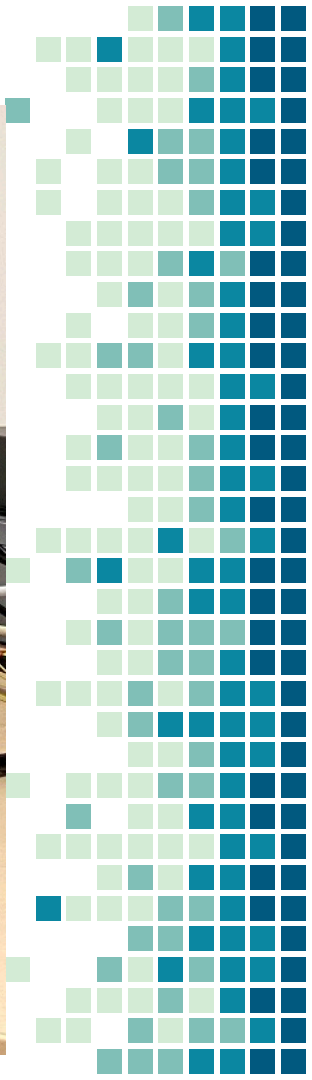
Batman (strumento ospite)



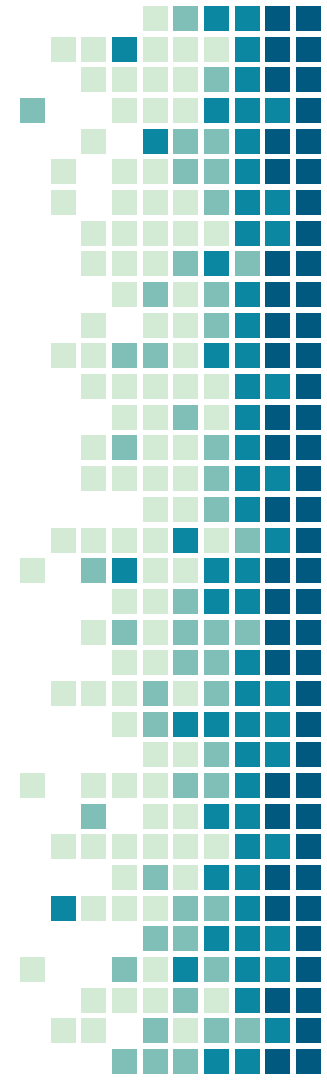
CCD controller ARC (Astronomical Research Cameras)



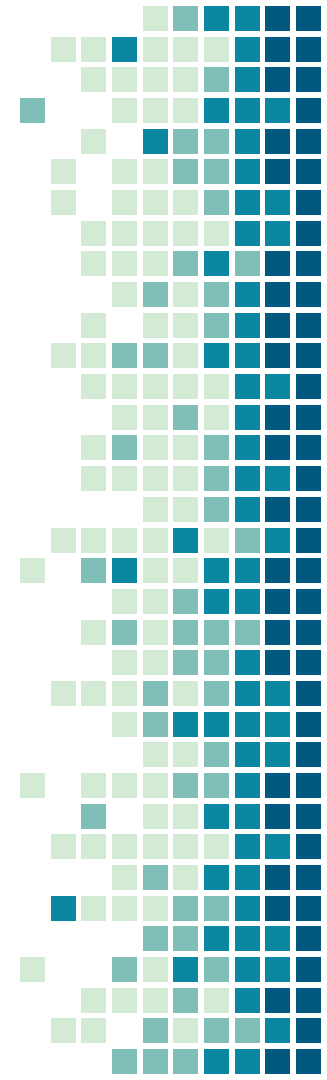
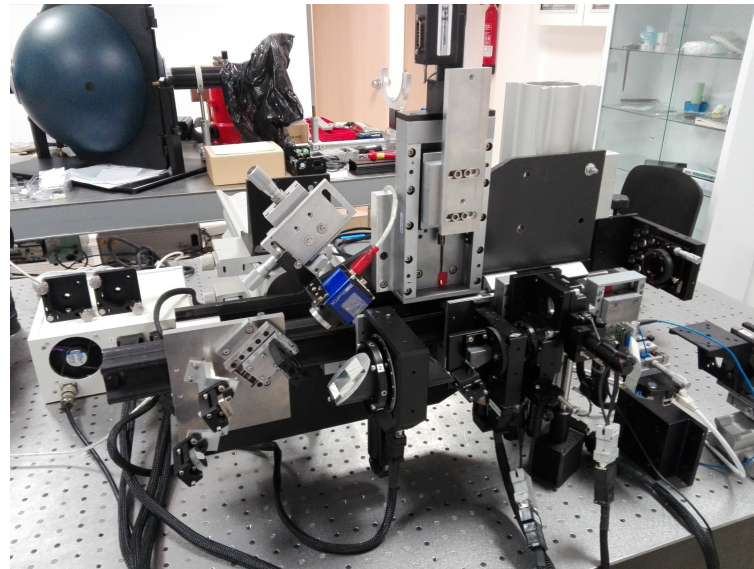
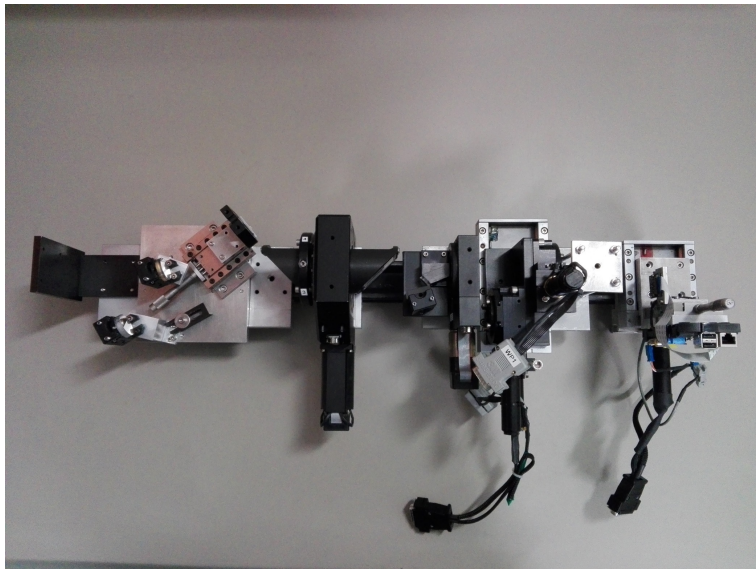
NGC (New Generation Controller - ESO)



Progetti



Polarimetro per HARPS-N - HANPO

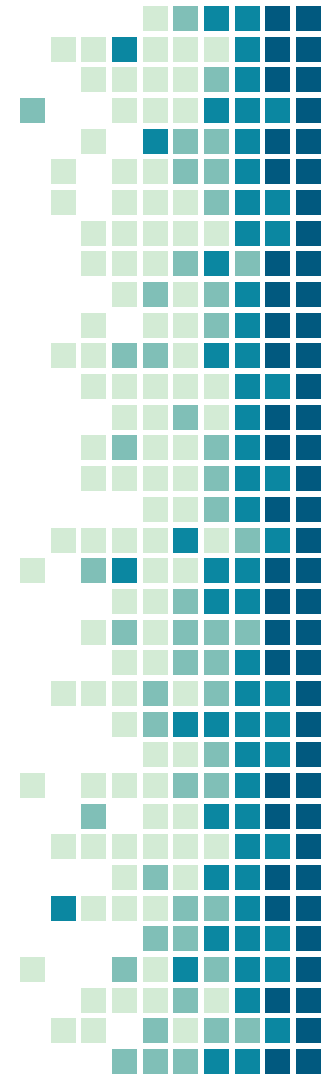
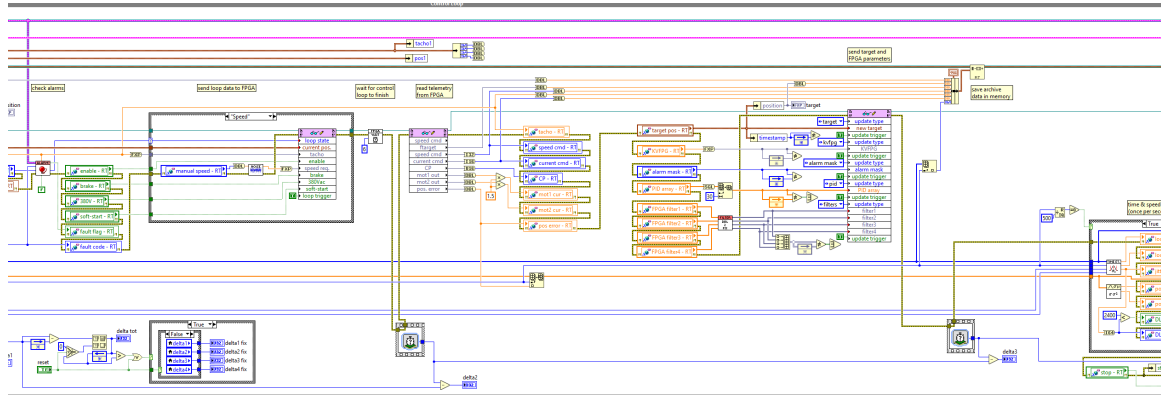


Fotometro ultraveloce – SIFAP2

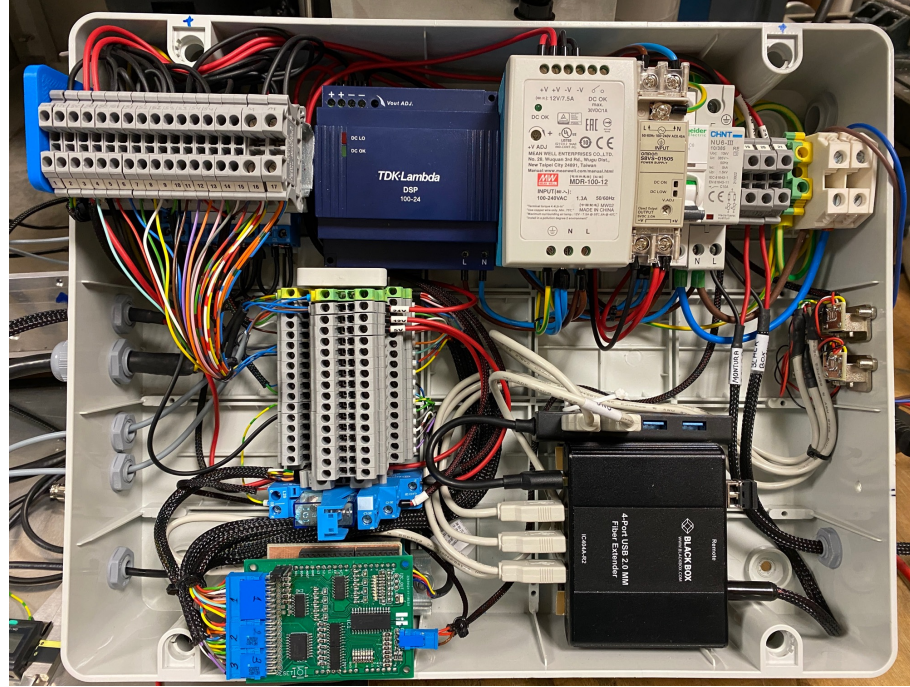
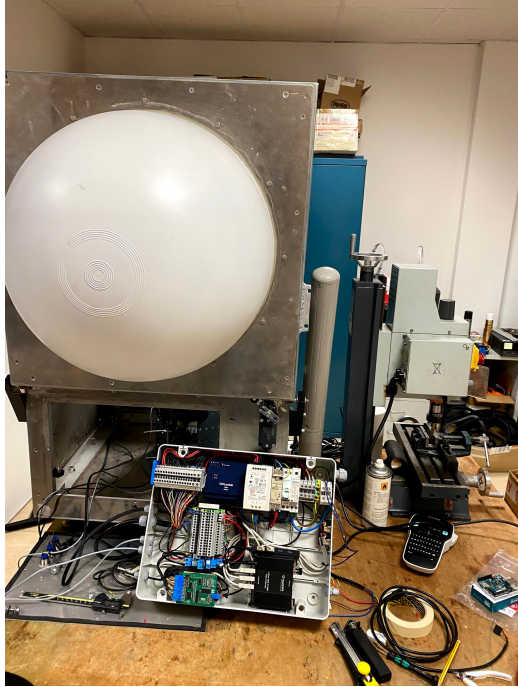


Telescope tracking

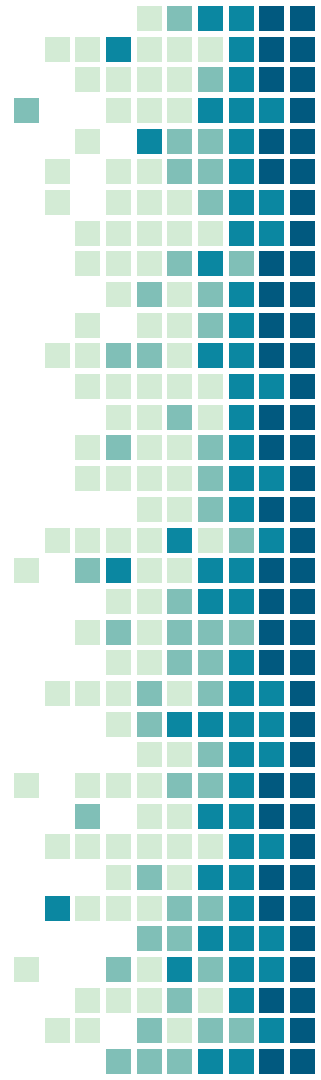
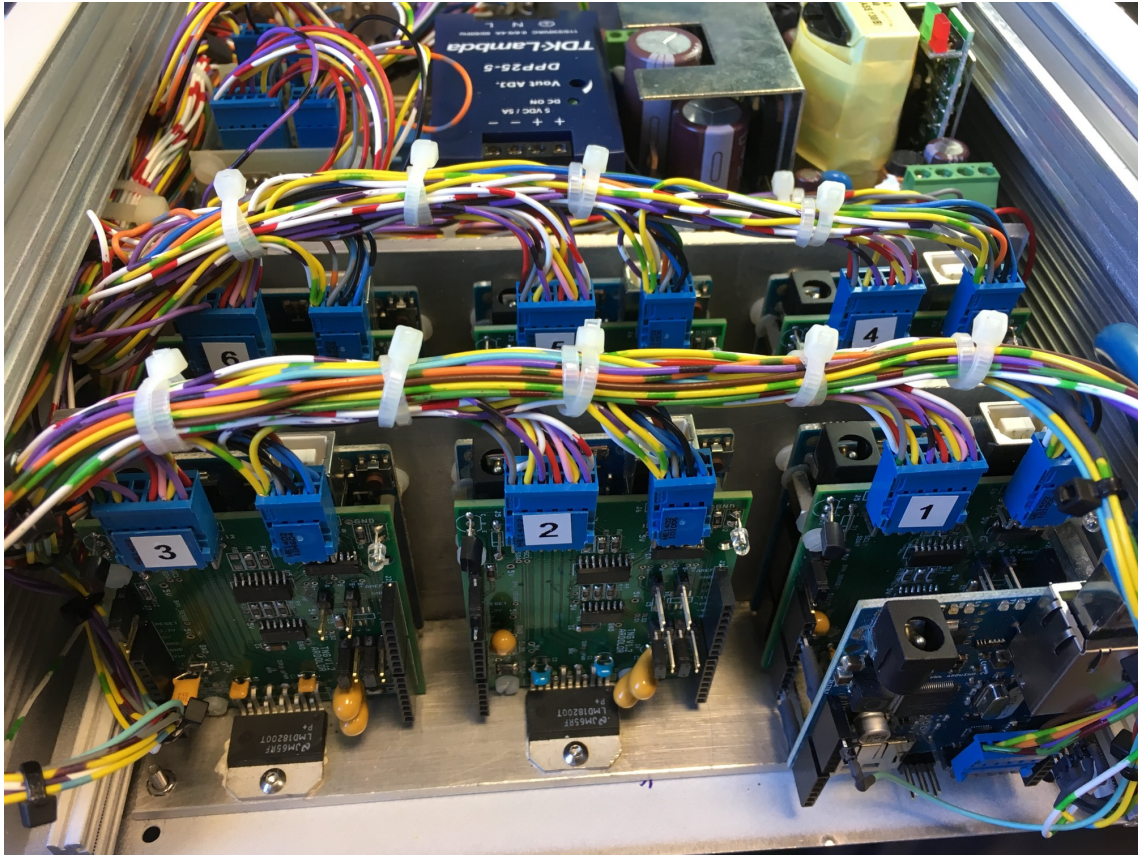
Based on LabView and cRIO



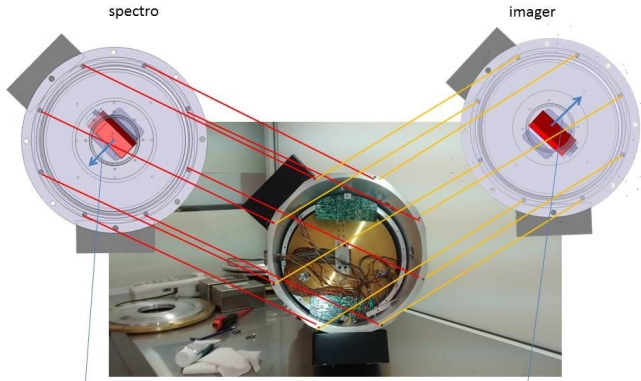
Telescopio Solare infrarosso



Controllo motori Dolores -ArdDolor

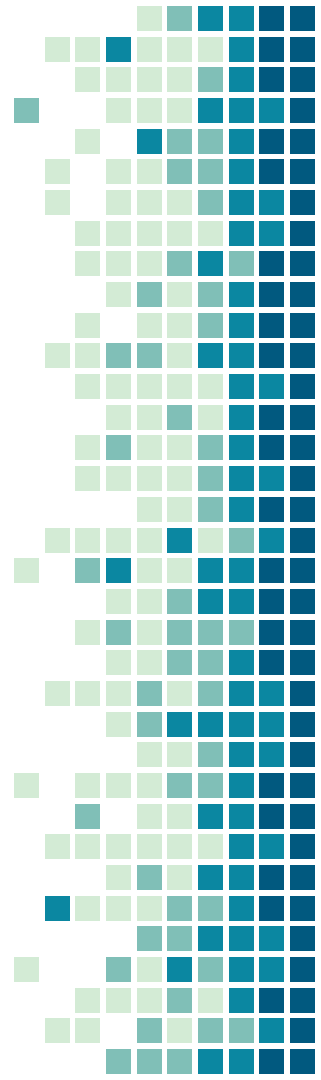
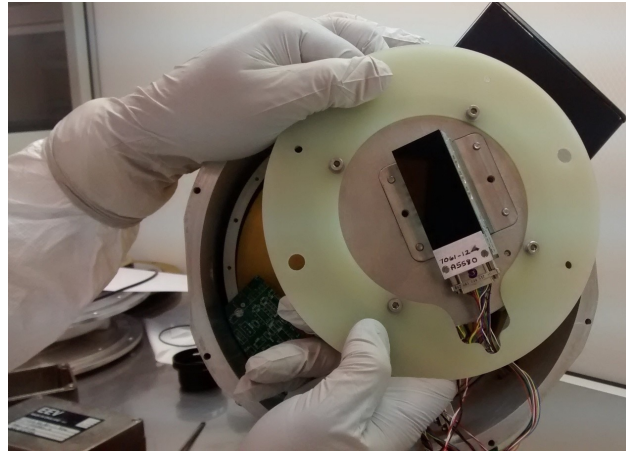
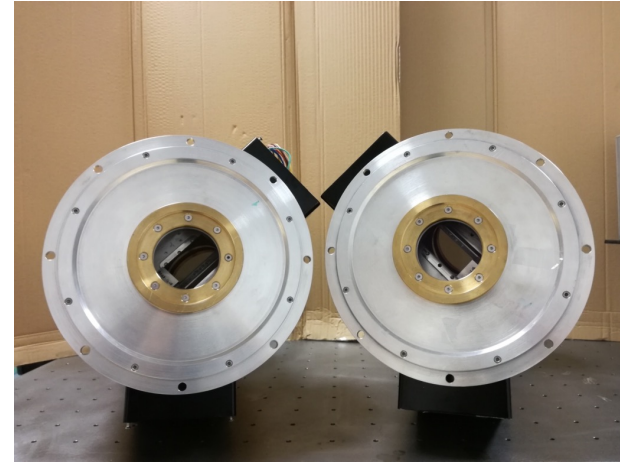


Batman – strumento ospite

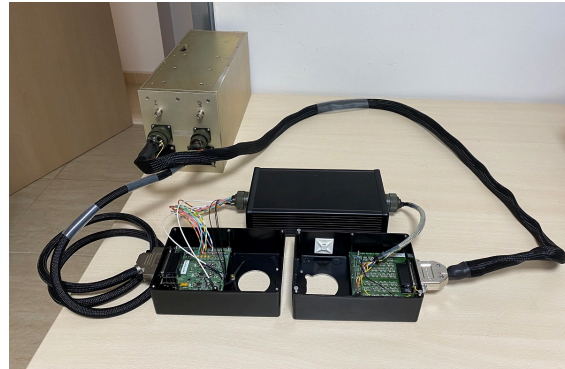
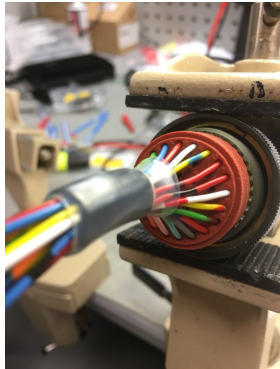
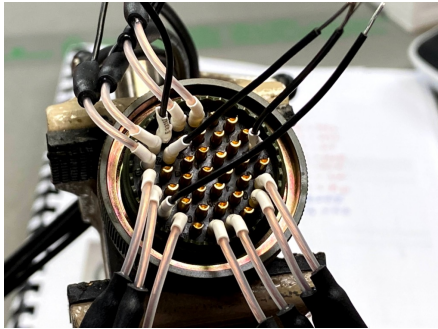
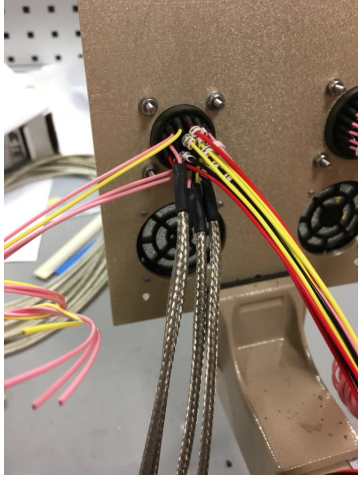
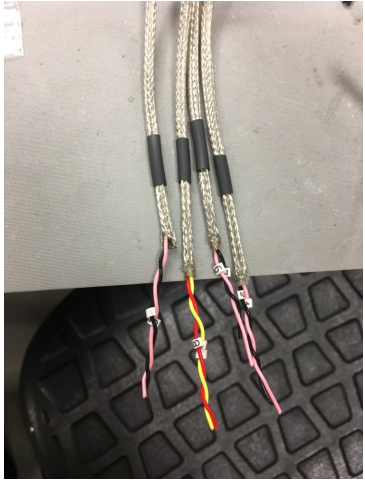


CCD normal vector orientation (toward us)

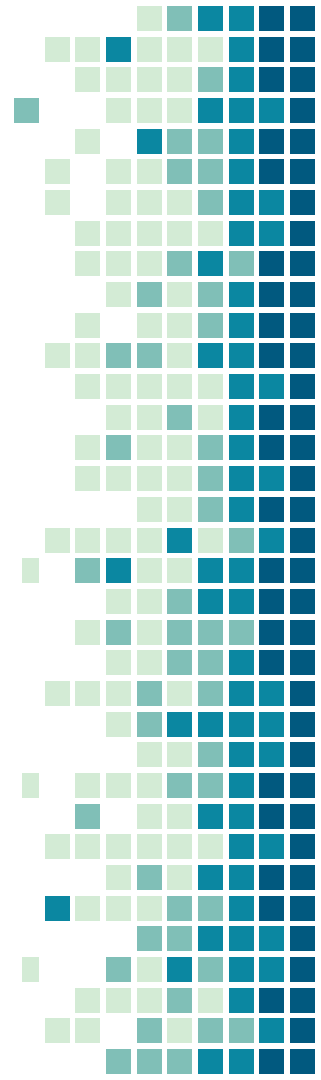
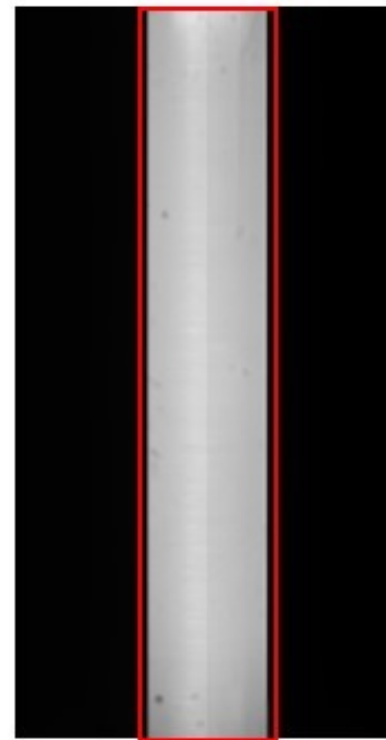
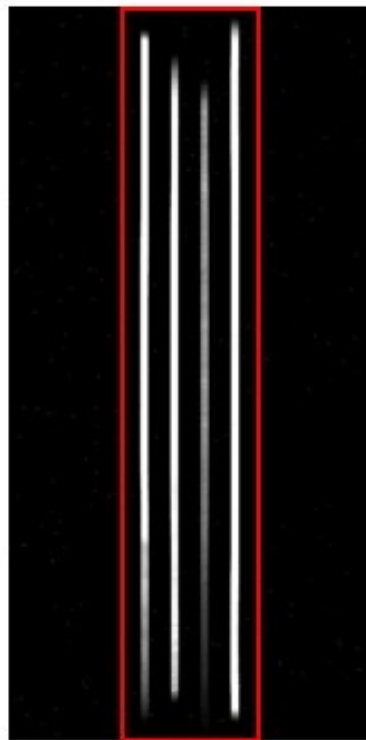
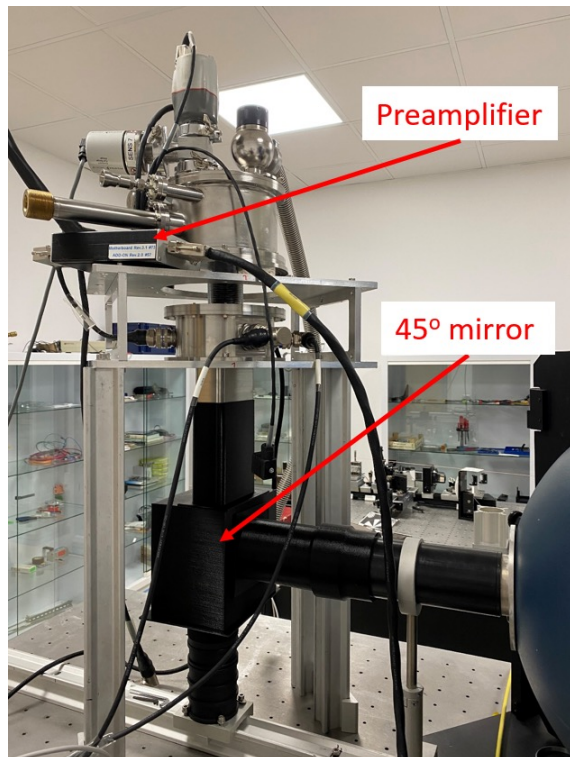
CCD normal vector orientation (toward us)



Dolores – ARC controller



Camera VIS di SOXS



GRACIAS