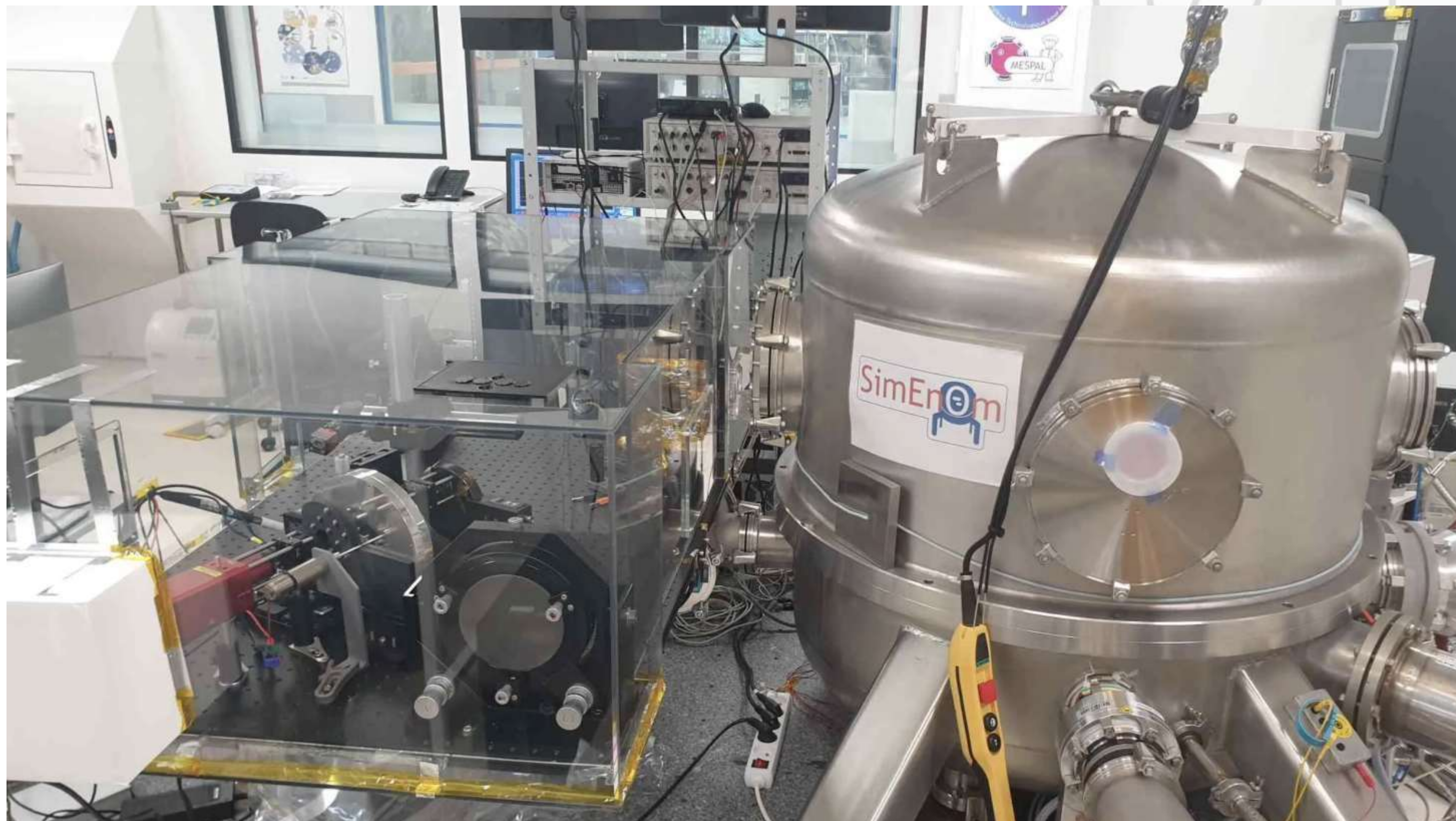


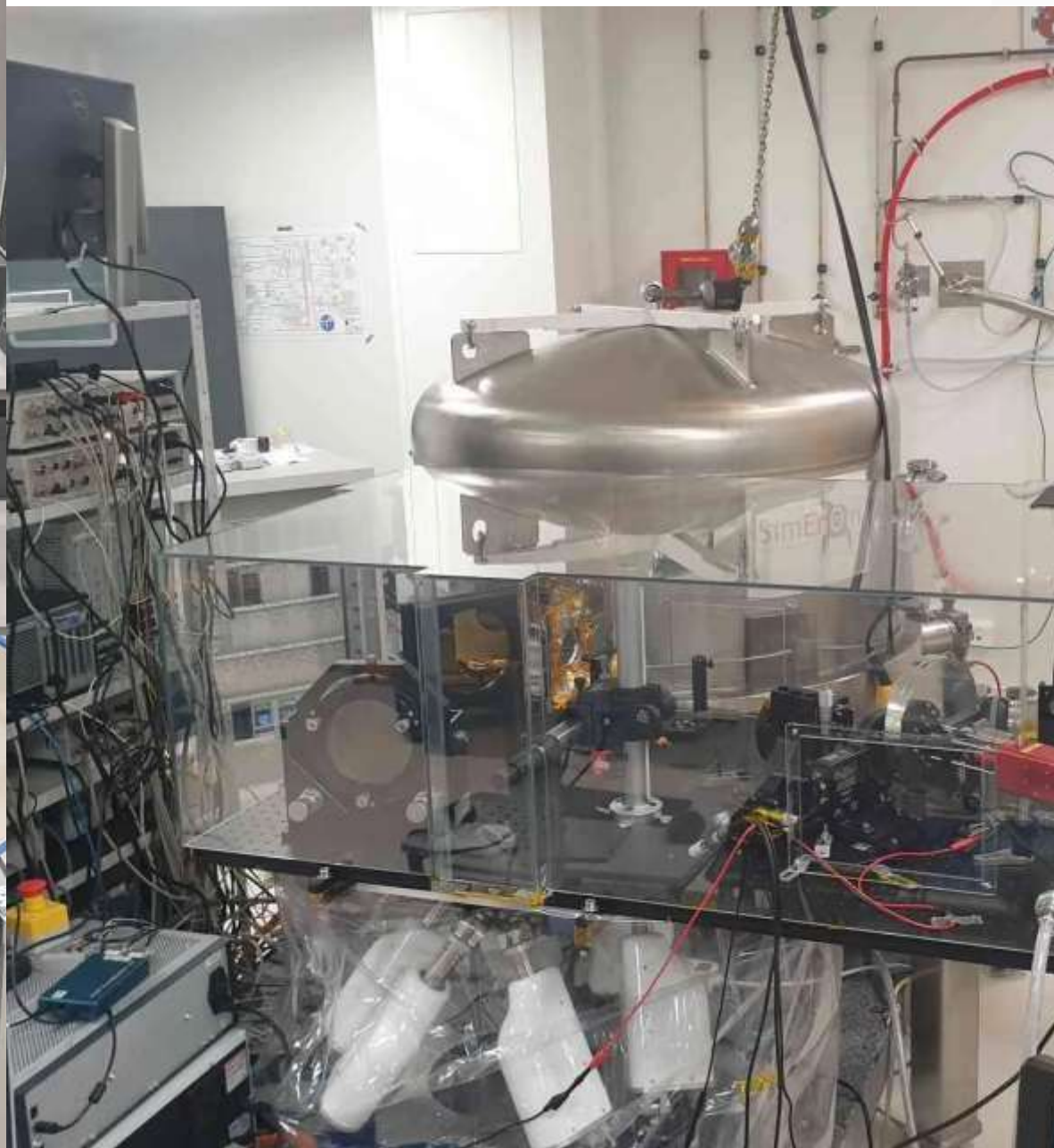
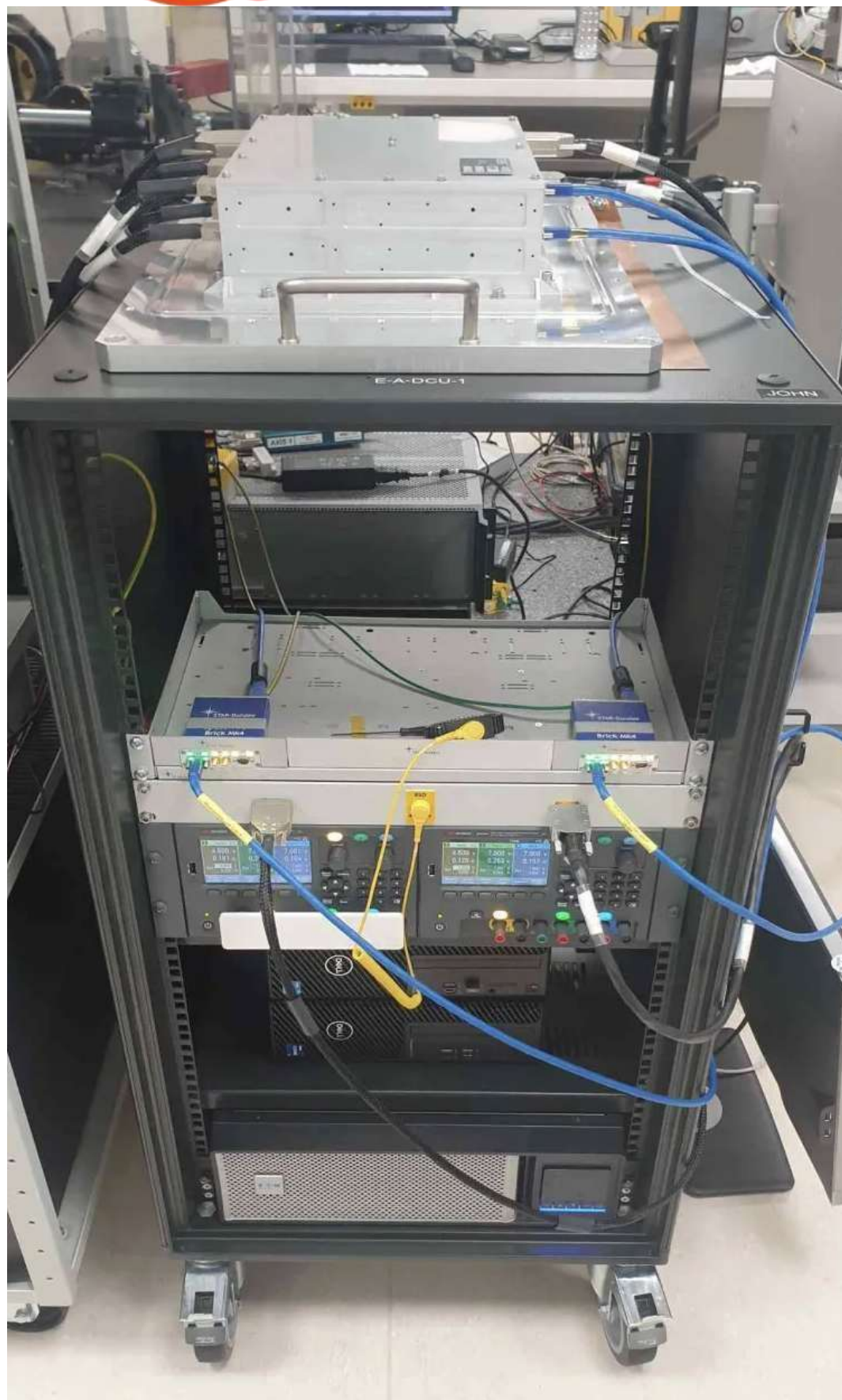


AIRS

**ARIEL FRANCE
Calibration AIRS**









CHANNEL 0



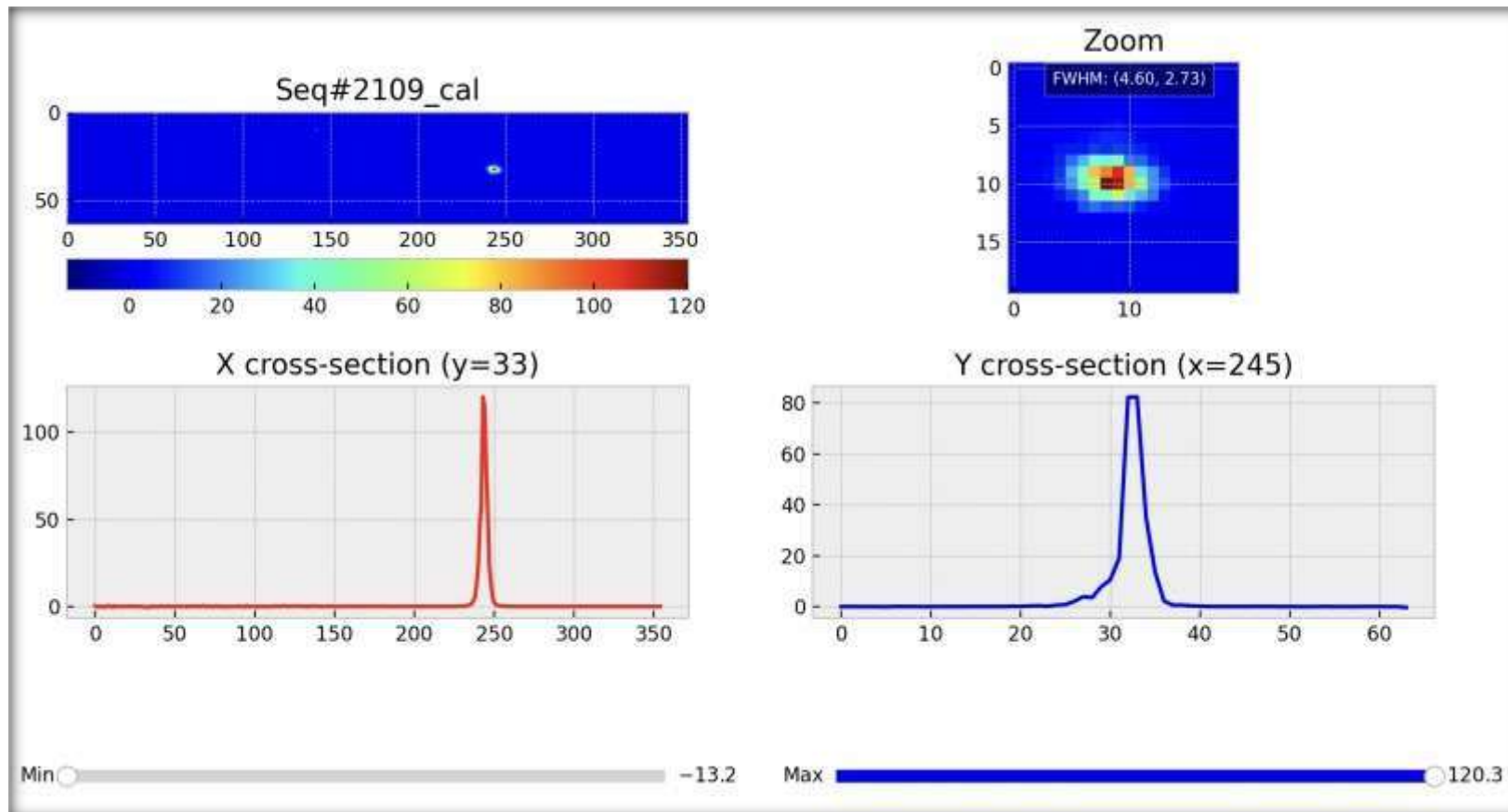


Test configuration





- EM CU and BBM DCU
- CU temperature 60K
- Detectors temperature 40K
- CH0 cryo translation stage operational
- **CH1 cryo translation stage stuck in closed position**
- **OGSE transmission limited below 2.5 μ m**
- Data are calibrated through the pipeline (up-to-date calibration product for detector CH0 only)

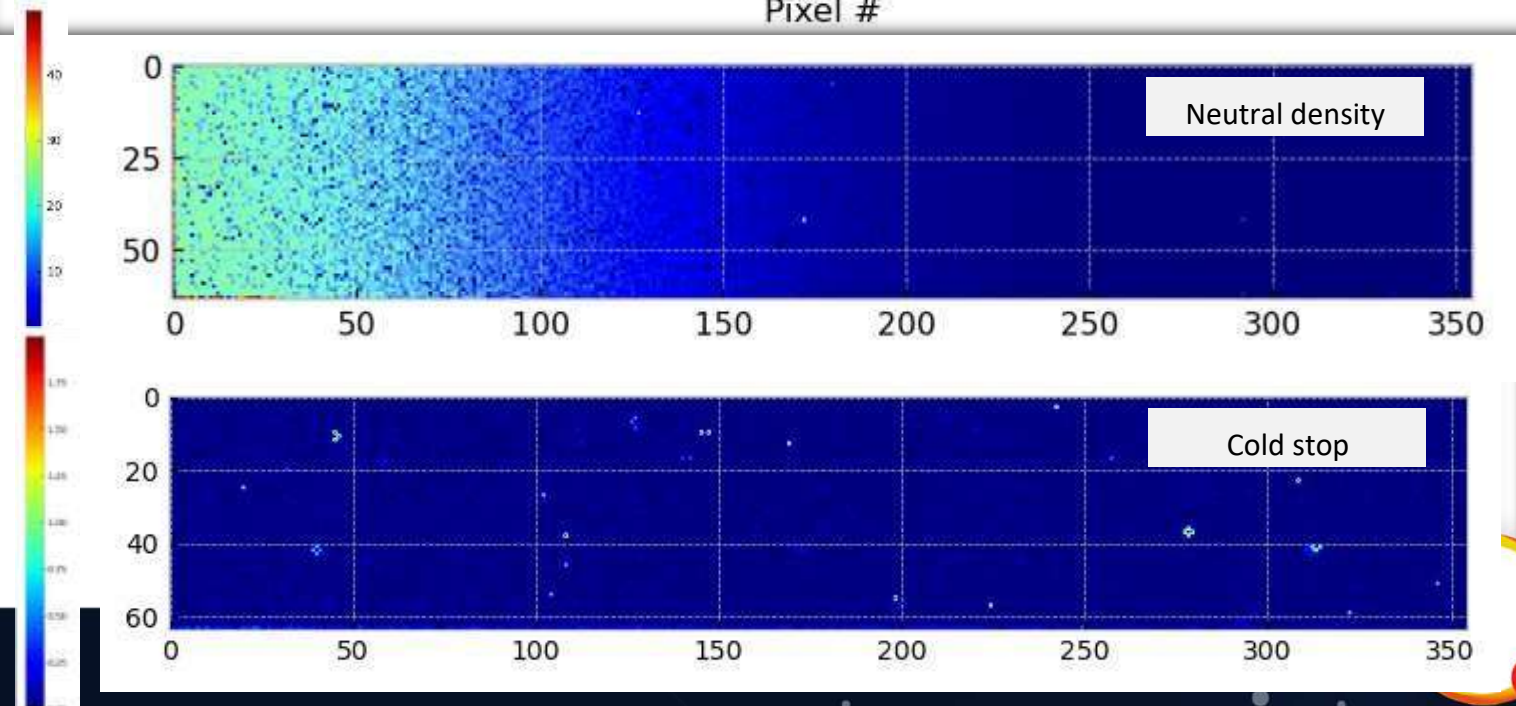
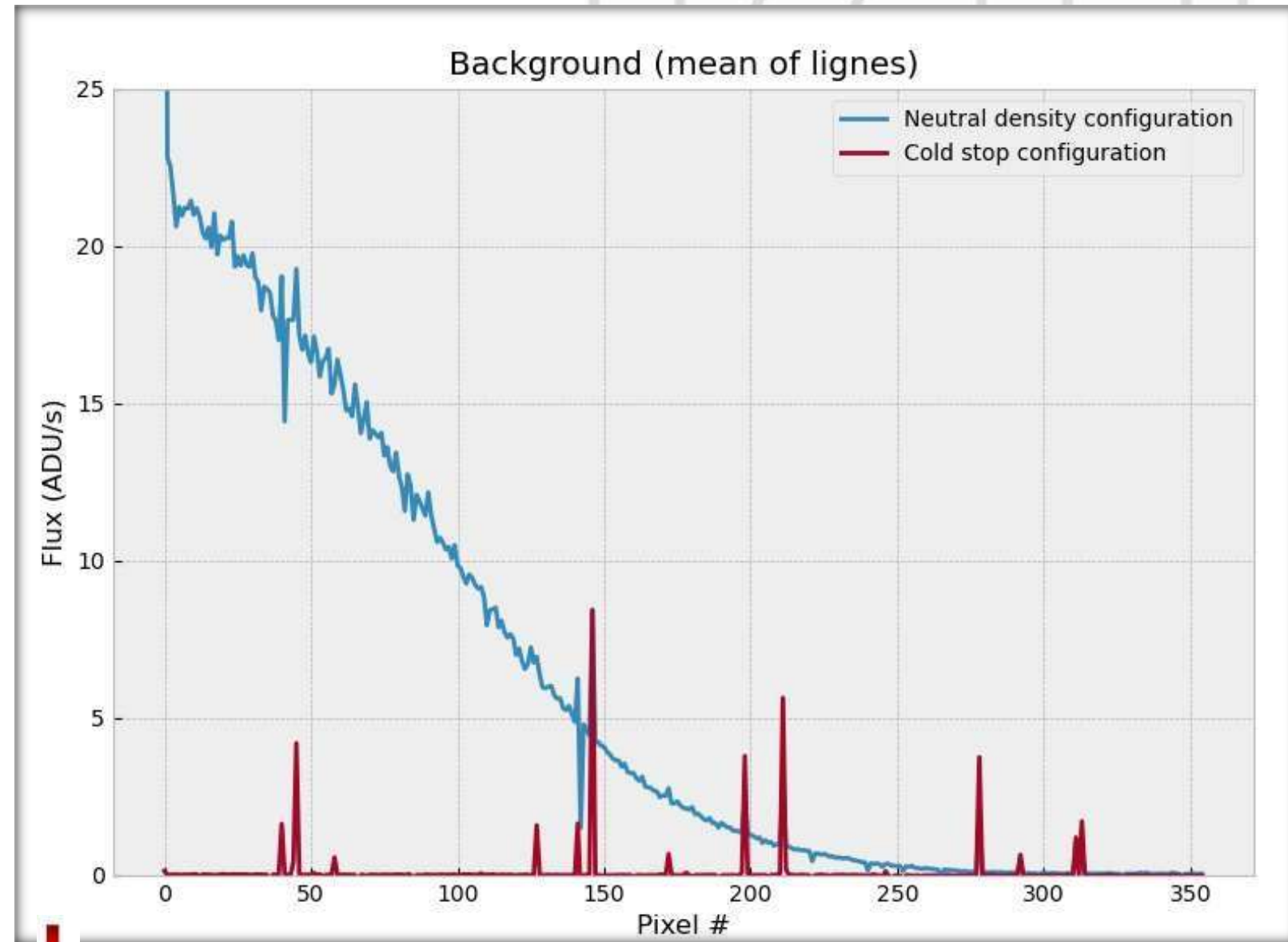




CH0 background

OGSE configuration:

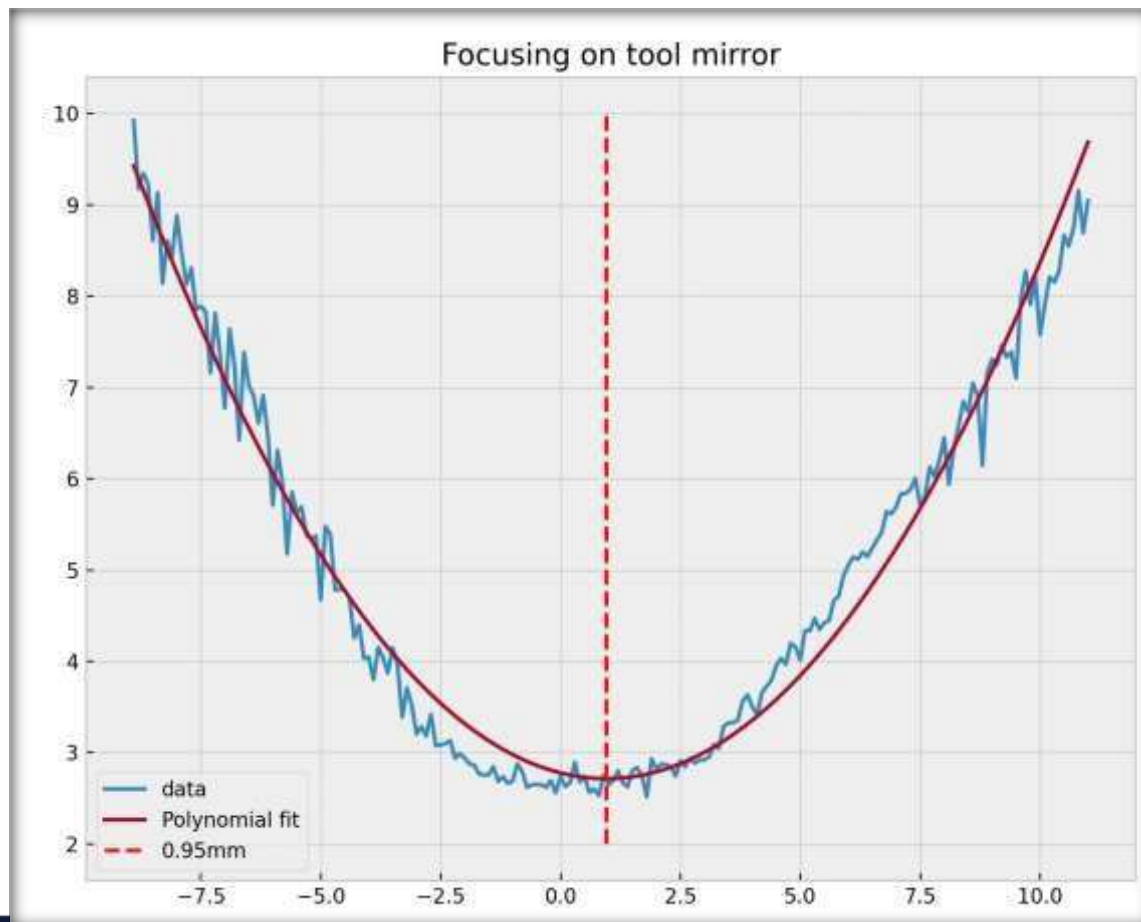
- ✦ Pinhole wheel: stop position @ 300K
- ✦ Cold translation stage: Neutral density (ND3) and cold stop
- ✦ Pipeline: rate processing (average slope detector image)





Focus

Focusing OGSE on tool mirror

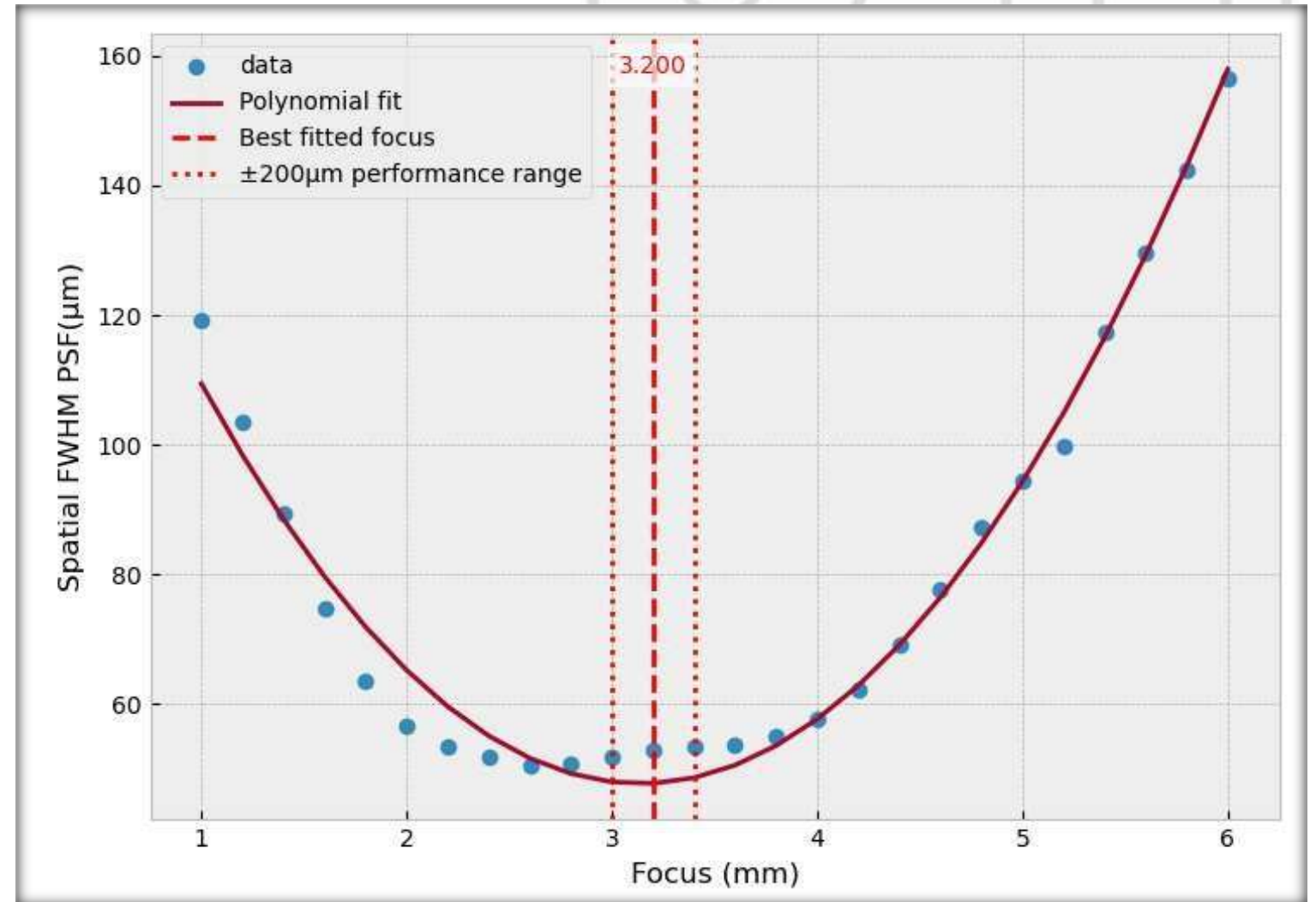
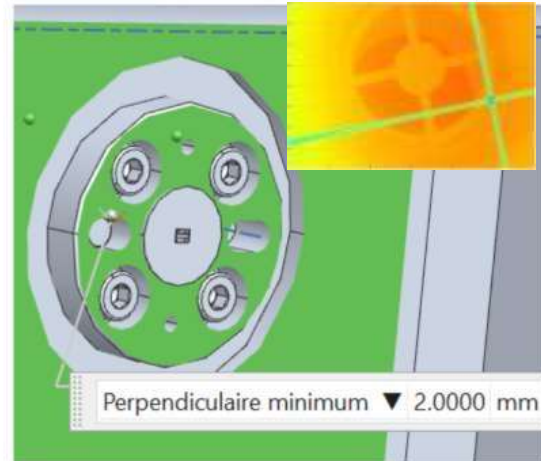
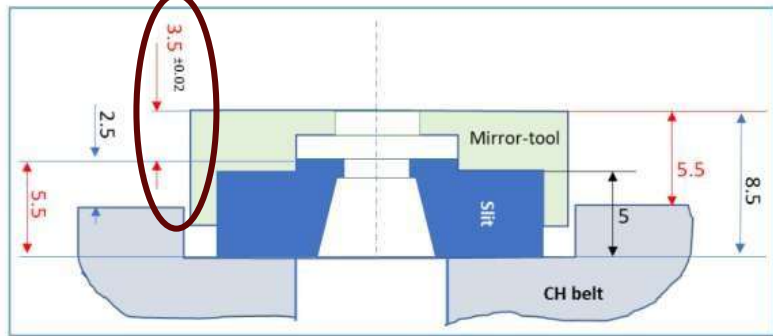


Focusing on AIRS detector

Best focus on AIRS: $0.95 + 2.326 = 3.276$ mm



2.326mm optical path
(due to ND)



CH0 Field of views

Requirement:

Performance FOV: $\pm 100\mu\text{m}$ / $\pm 100\mu\text{m}$

Unvignetted FOV: $\pm 150\mu\text{m}$ / $\pm 180\mu\text{m}$

