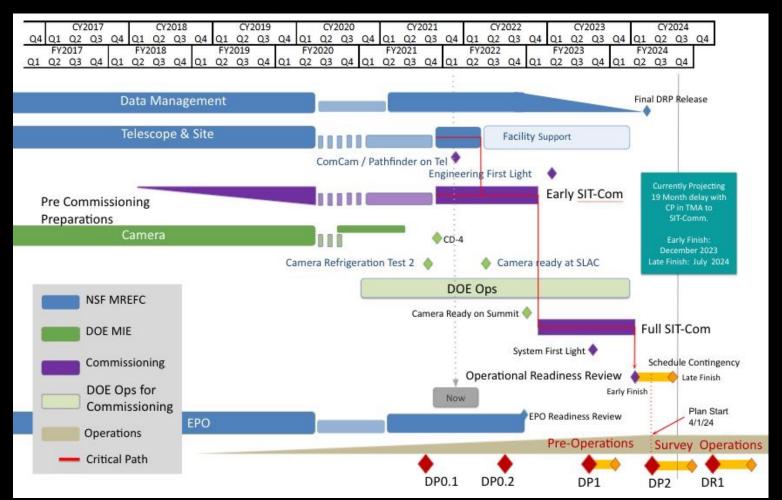
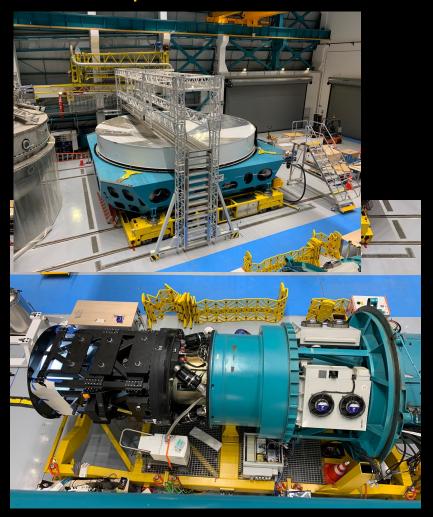


() Farth Cam

## (Slipping) planning



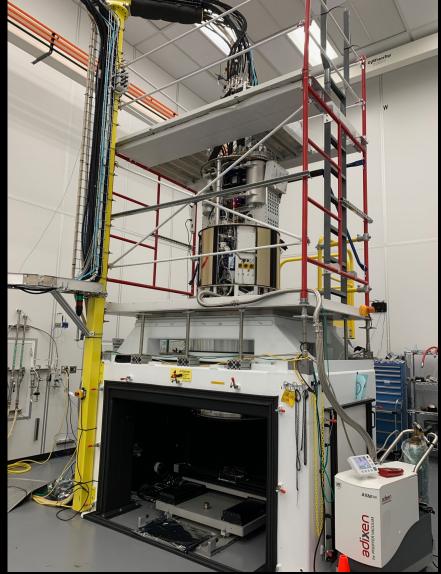
# Telescope and Summit





• Previously:





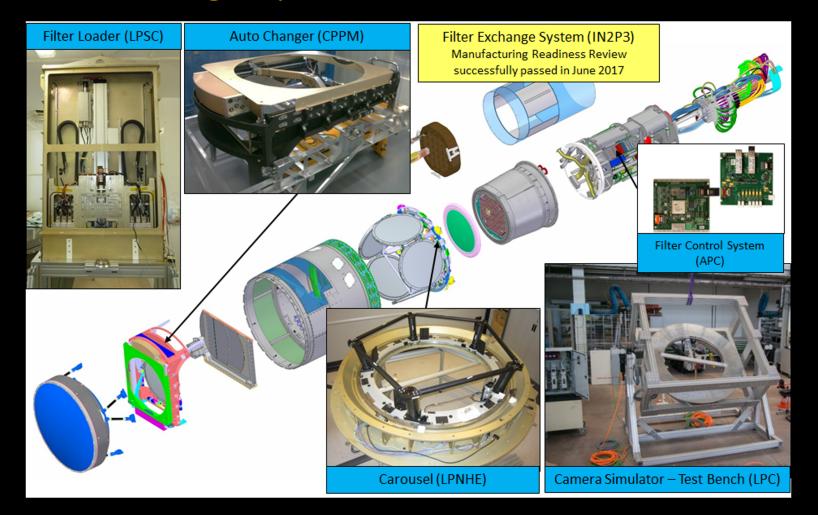
- L3 lens
- Move to horizontal stand





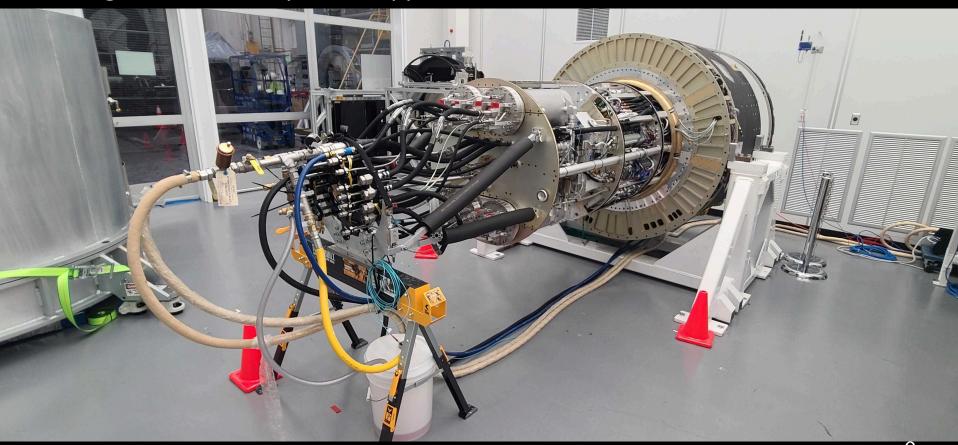


### Filter Exchange System



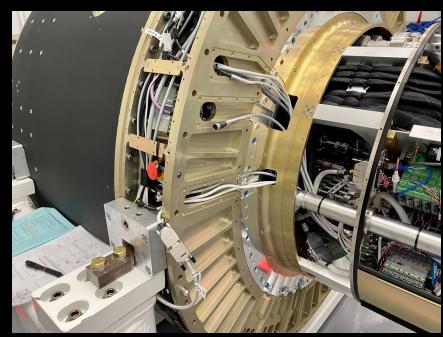
### Filter Exchange System

• Integration with UT power supplies and electronics



#### Filter Exchange System

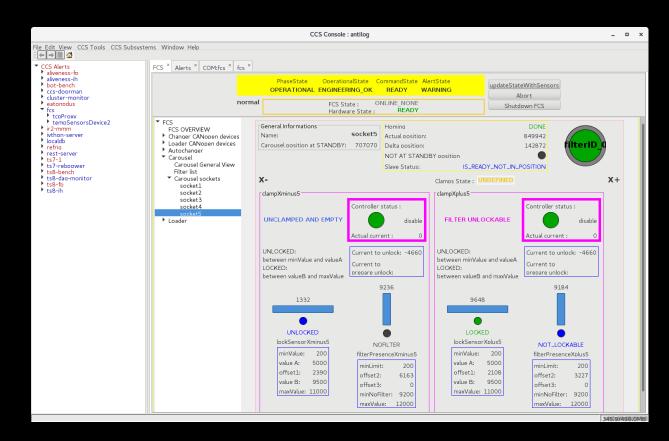
- Integration with UT: cabling
- Prepared in February, done in April
- Rotation, clearance of AC
- Full exchange, safety check





#### Filter Exchange System: next

- GUI
- Check loader with integrated system
- Real filters
- Loader 2
- Autochanger 2



# Filters

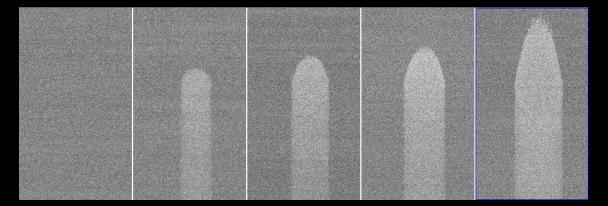


- Next moves: back on rotator, L1 + L2
- Refrigeration: change of fluid



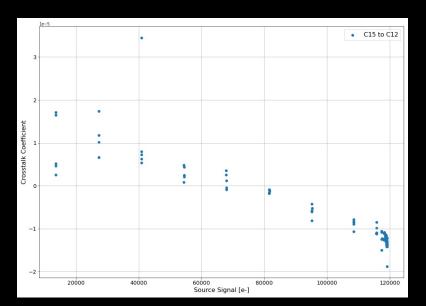
#### Focal Plane

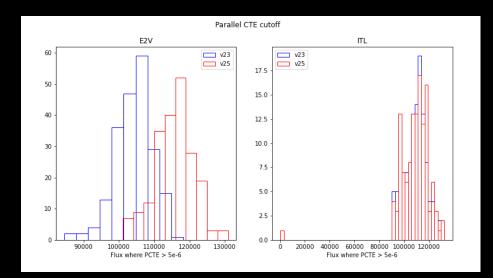
- Run 5 tests: from November 2021 to February 2022, with UT power supplies and refrigeration
- Multiple failures of refrigeration system: blockage in the lines, issues with data corruption (solved)
- Optimization of readout sequences: parallel transfer times, (slightly) longer readout times
- Crosstalk, spot projector (several wavelengths): persistence effect
- CCOB: incomplete run

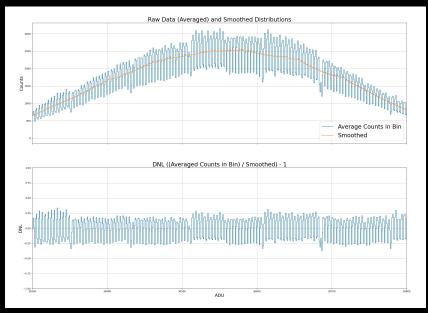


#### Focal Plane Studies

- Full Well (parallel-transfer limited)
- Gain stability (HV, temperature)
- Bias stability
- Crosstalk non-linearity
- ADC 'bit width'







#### Focal Plane Upcoming Tests

- Last run at SLAC, with full optics: lenses and filters
- CCOB Wide Beam (with bonus pinhole filter)
- CCOB Narrow Beam: series with positions on lens x angles x 15 wavelengths x 6 filters

