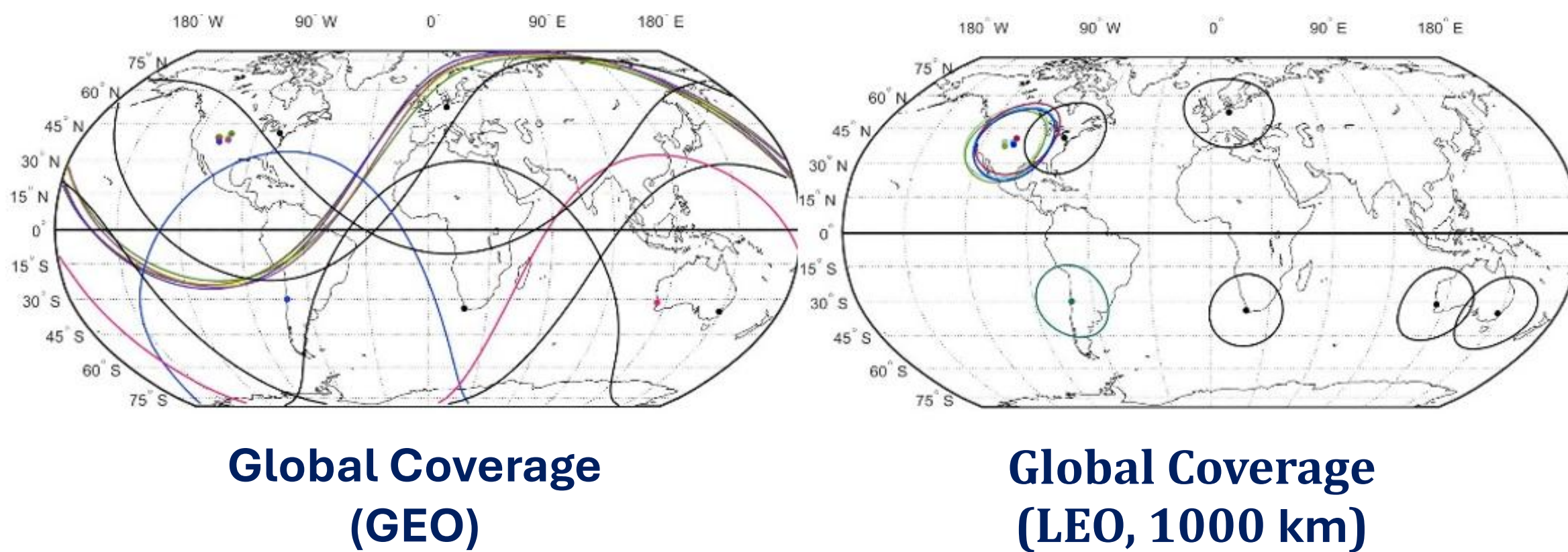


I2 Strategic Services, LLC supports the operation and maintenance of the US Air Force Academy's Center for Space Situational Awareness Research global network of twelve 0.5-meter optical Ritchey-Chretien (f/8) robotic telescopes dedicated to space situational awareness. Each FTN site is hosted by a partnering institution. All sites are currently in the process of upgrade to improve upon and expand science capabilities.

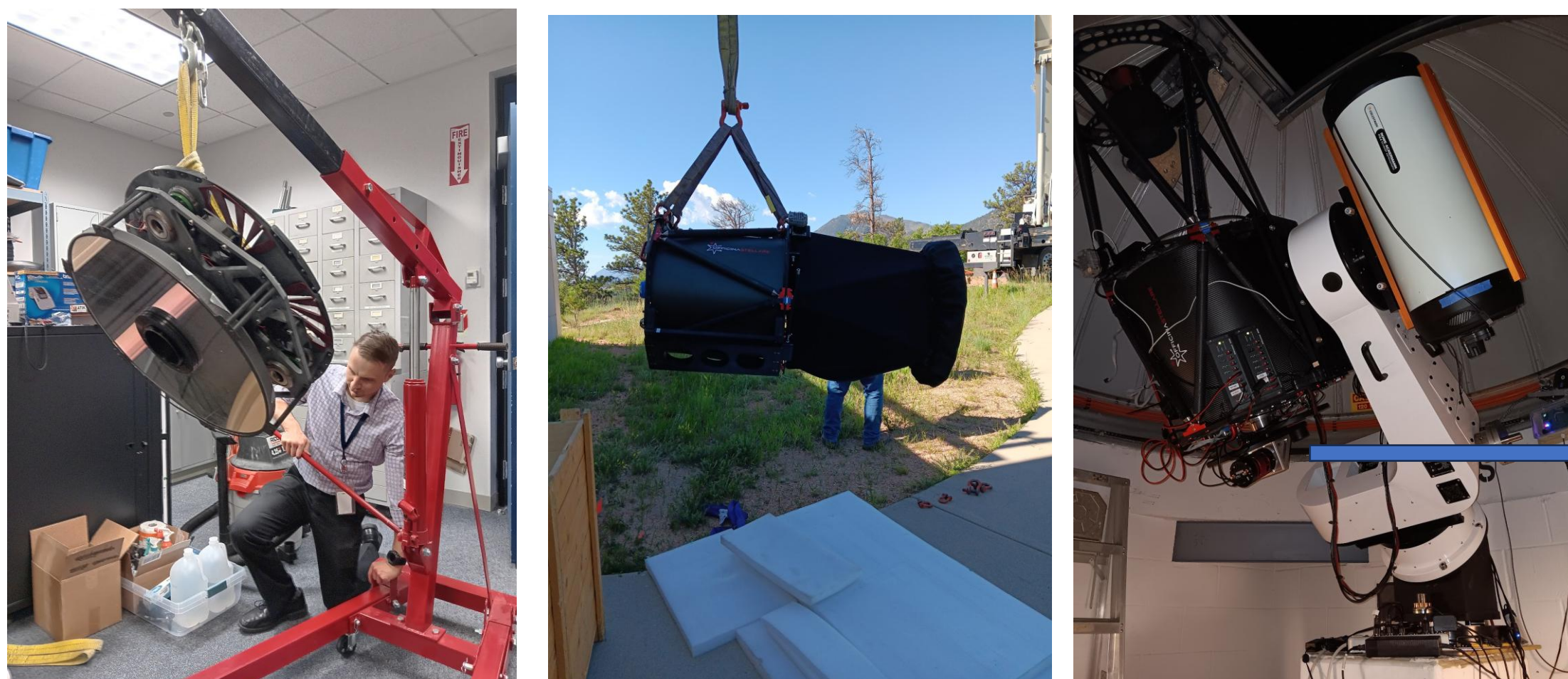


Telescope & Site Upgrades

- Plane Wave L-500 Direct Drive Mount (Alt-Az)
- Atik Apx60 9568 × 6380 CMOS imager
- Diffraction Limited AFW-10-50SQ Dual filter wheels with BVRI, Polarization, Transmission Gratings (100 lines/mm & 200 lines/mm)
- Lunatico Cloudwatcher Weather Station
- Control Computer upgrades (Advantech)
- Alcor OMEA-3C All Sky imager
- Primary & Secondary Mirror Cleaning

Air Force Academy (AFA) Falcon

* Equatorial mount configuration



Colorado Mesa University (CMU) – Grand Mesa Observatory (GMO) Falcon



Science Objectives

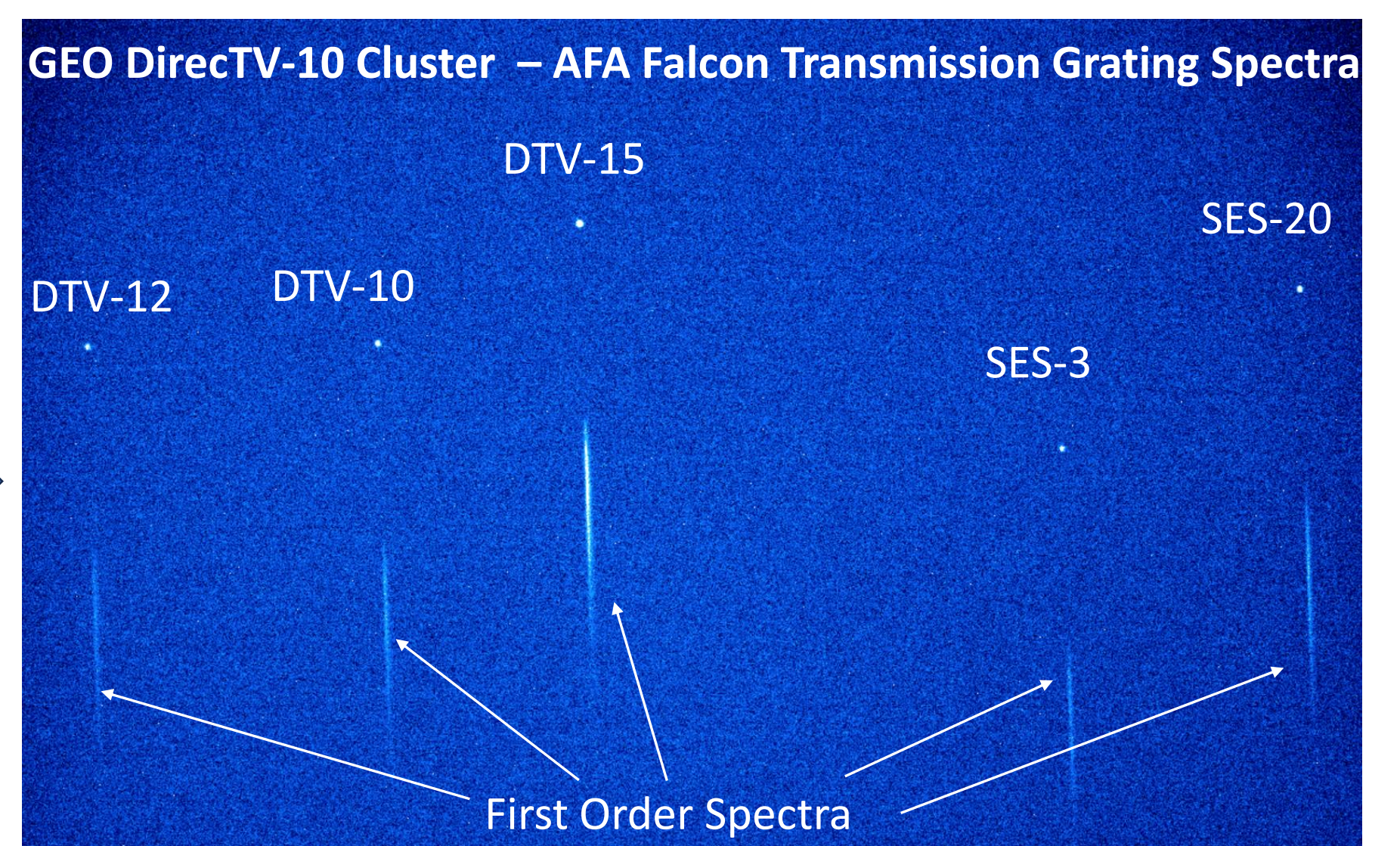
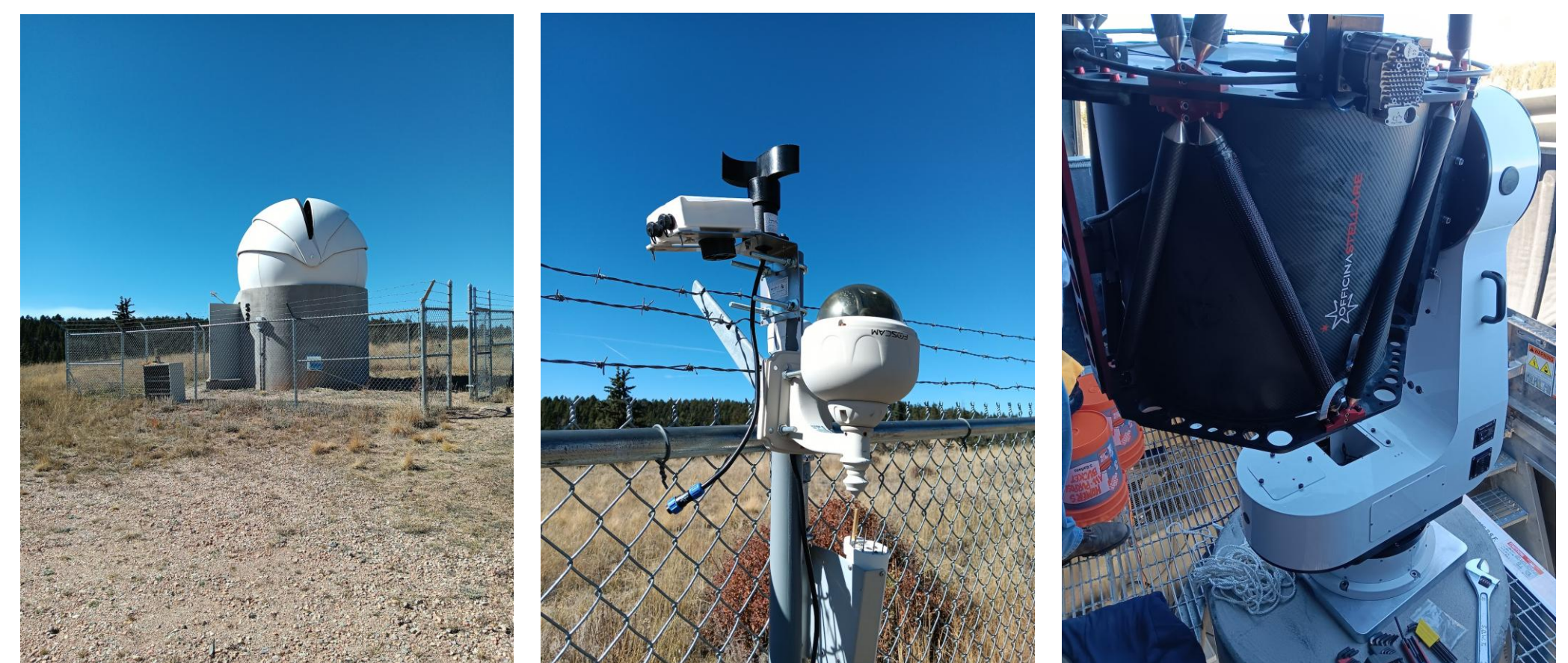
- Non-resolved satellite characterization and identification through simultaneous slit-less spectroscopy, polarimetry, and broadband photometry
- Astrophysical studies of exoplanets and high-energy transients

Operations

- Manual remote ops through VPN
- Automated tasking through the Cadet Space Operations Center (CSOC) webservice

*** Four FTN Sites Upgraded To Date ***

Farish (FRH) Falcon – Woodland Park, CO



Otero Junior College (OJC) Falcon – La Junta, CO

