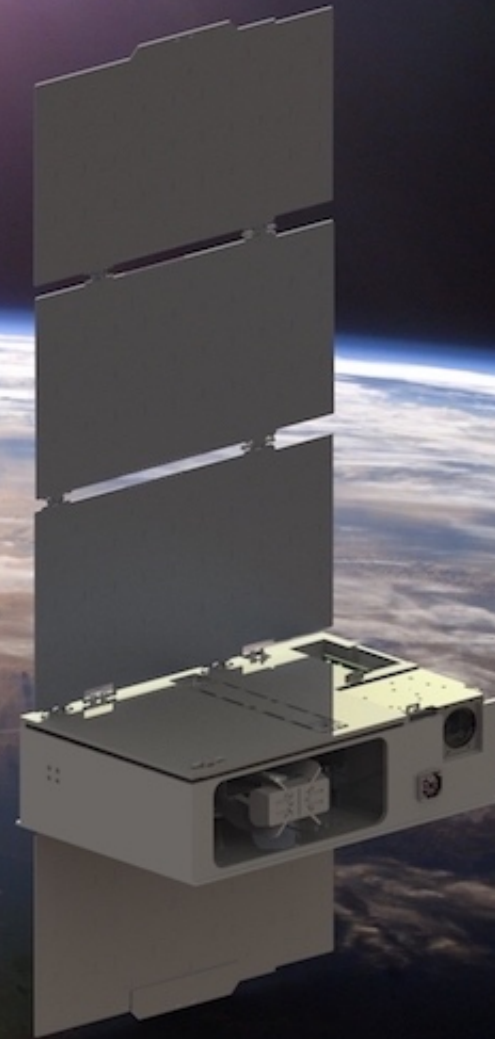


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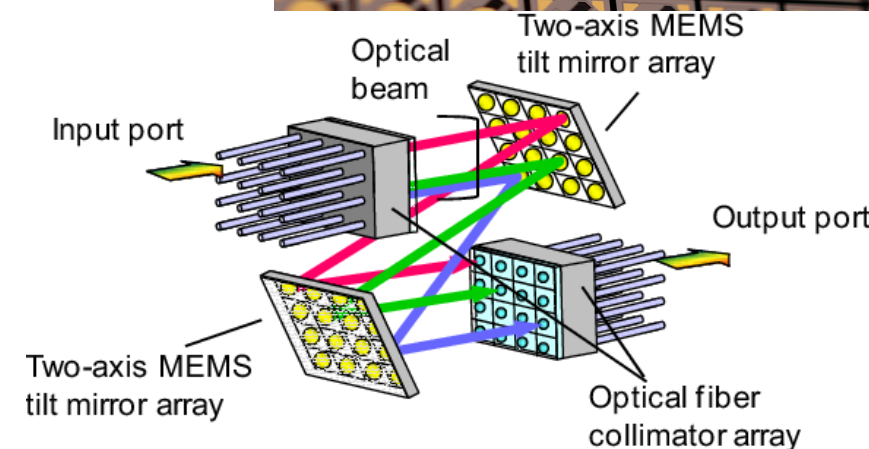
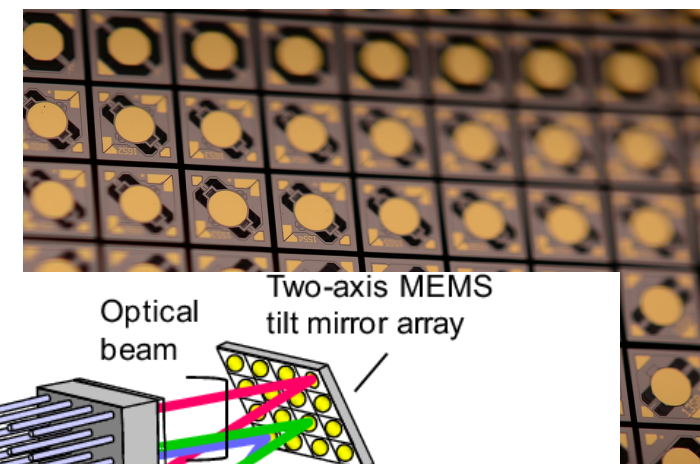
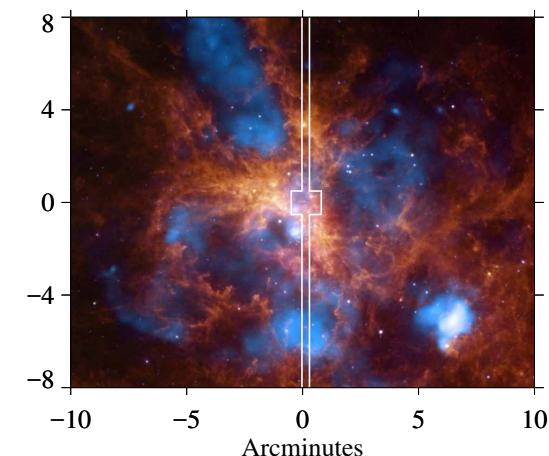
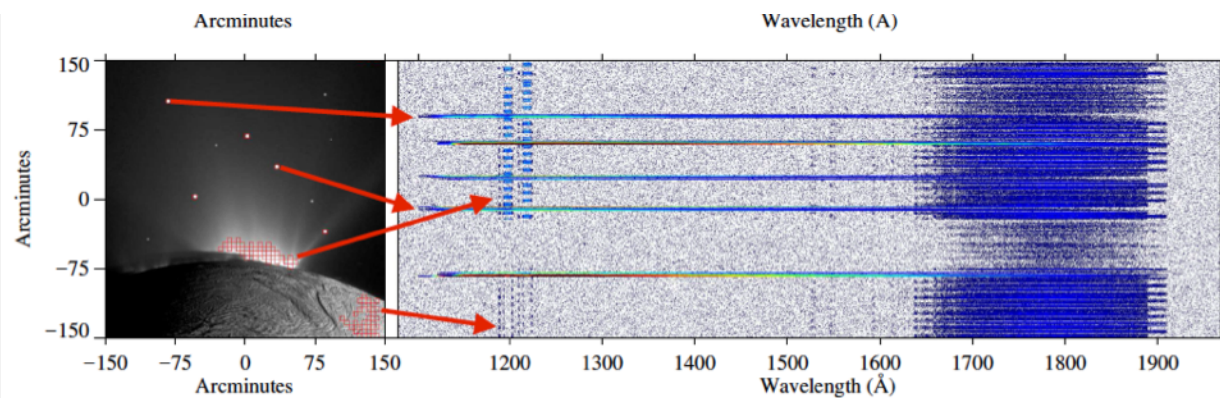


LASP

Laboratory for Atmospheric and Space Physics
University of Colorado **Boulder**

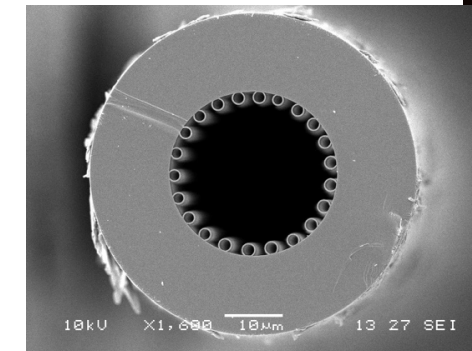
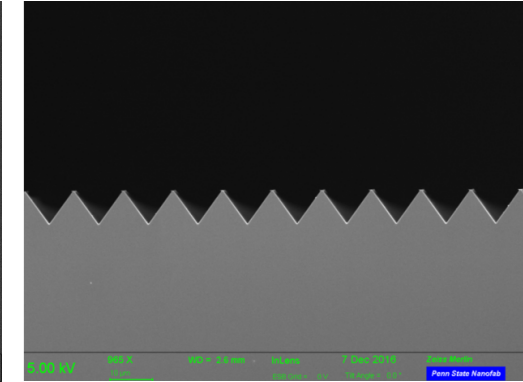
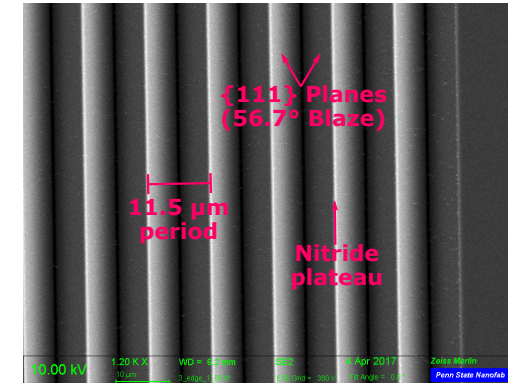
What opportunities are there?

- Seniors/Upperclass
 - Data analysis:** Target selection for the SPRITE cubesat (databases, some HST data reduction/analysis): Galaxies and Supernova remnants
 - ~ 5 months effort at 4-8 hours/week
 - Incorporation in a publication (likely after graduation)
 - Laboratory:** Demonstration of micromirror stability/repeatability for a future IFU
 - ~ 6 months effort at 8-10 hours/week
 - Incorporation in SPIE proceedings in June 2020



What opportunities are there?

- First-Third years (Lab-only projects)
 - Development of a micromirror IFU testbed experiment
 - Experimental grating testing and demonstration
 - Efficiency/scattered light/uniformity
 - Optical alignment, lithography, flight payloads
 - Develop a UV transmitting fiber optics testbed experiment
 - Develop setup for testing experimental fiber optics
 - Optical alignment, detectors, vacuum systems
 - Lab training, machining, optics
 - Flight software/electronics/spacecraft systems
 - Only for students with 1+ year experience on other projects
 - Leadership potential, possible field travel
 - First-author publication potential
 - Team swag potential



Contact Brian.fleming@colorado.edu for more information