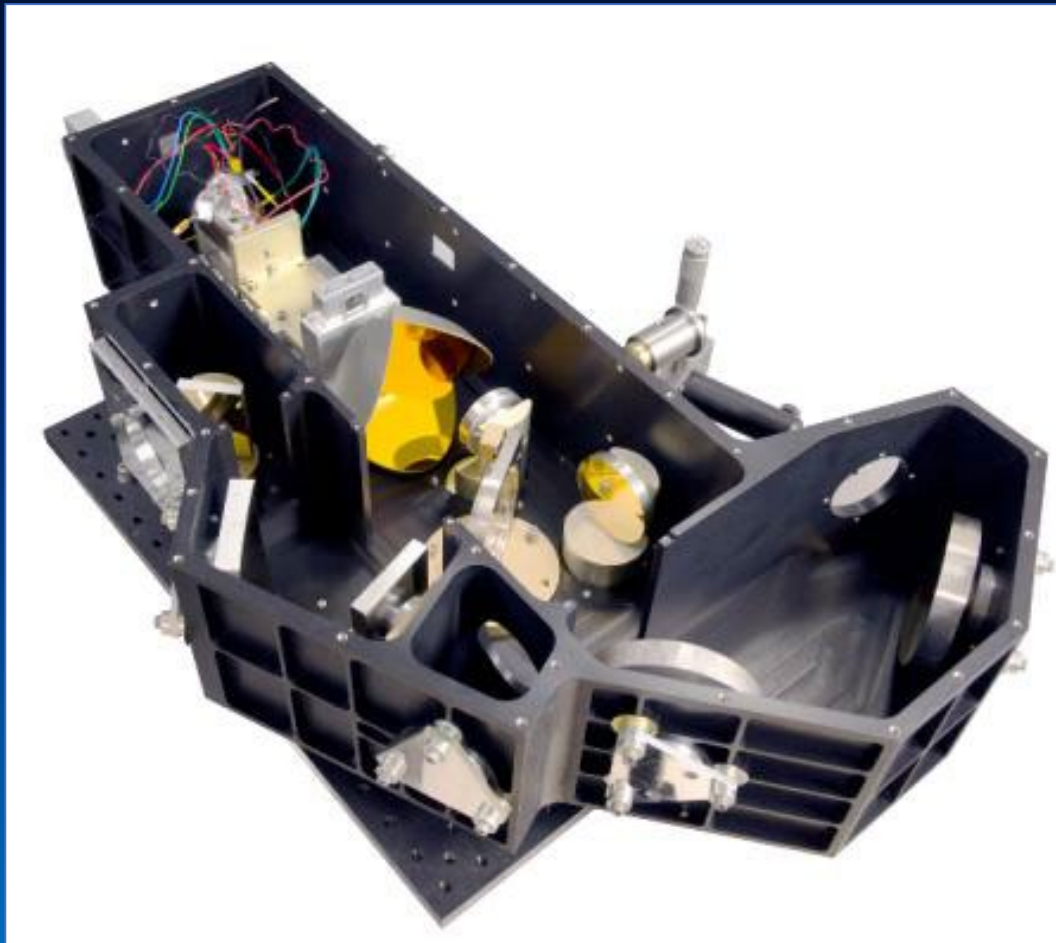


The CIRS-Lite Infrared Fourier Transform Spectrometer for missions to the Ice Giants

Carrie M. Anderson¹, John C. Brasunas¹, Conor A. Nixon¹, Shahid Aslam¹, Tilak Hewagama², Nicolas Gorius³, B. Pasquale¹, W. Mamakos⁴

¹NASA GSFC, ²University of Maryland, ³Catholic University of America, ⁴DesignInterface



- CIRS-Lite is being developed at NASA GSFC to build a successor to the Cassini CIRS infrared Fourier Transform Spectrometer (FTS).
- Objectives for CIRS-Lite are to:
 - Smaller, lighter, lower power than CIRS.
 - Focus on applications for ice giants U & N.
 - Spectral range 6-300 μm ,
 - Spectral resolution 0.25 cm^{-1}
 - Multiple far-IR detectors.