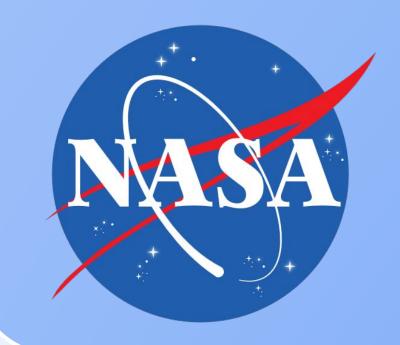
Atmospheric Absorption Correction for Sounding Rockets





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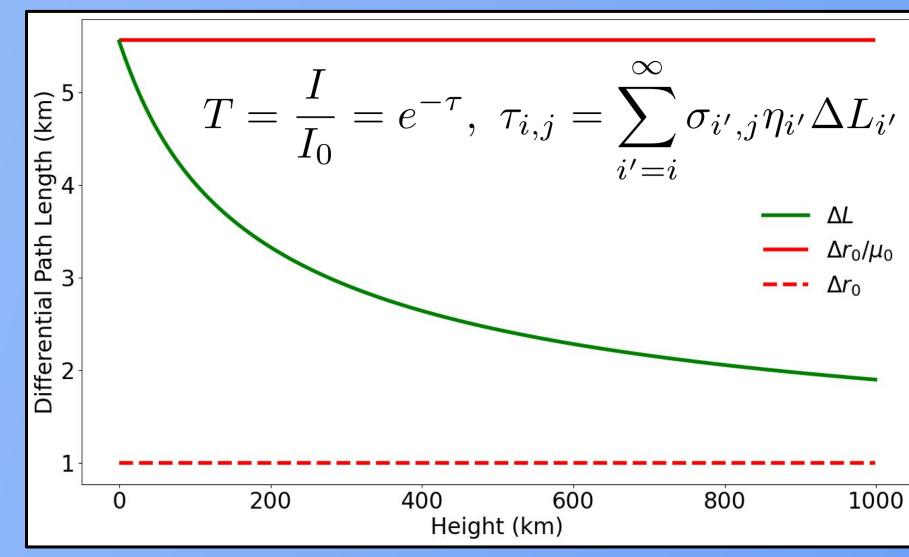


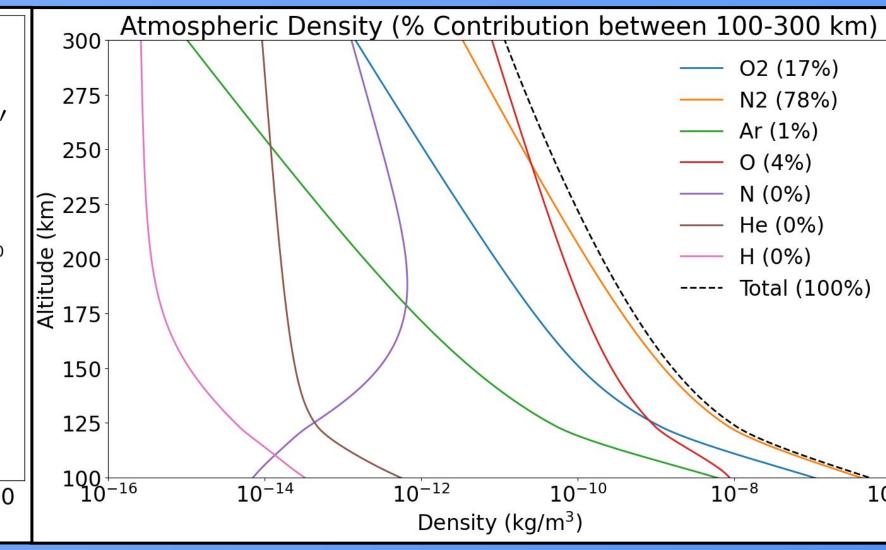
Model Setup:

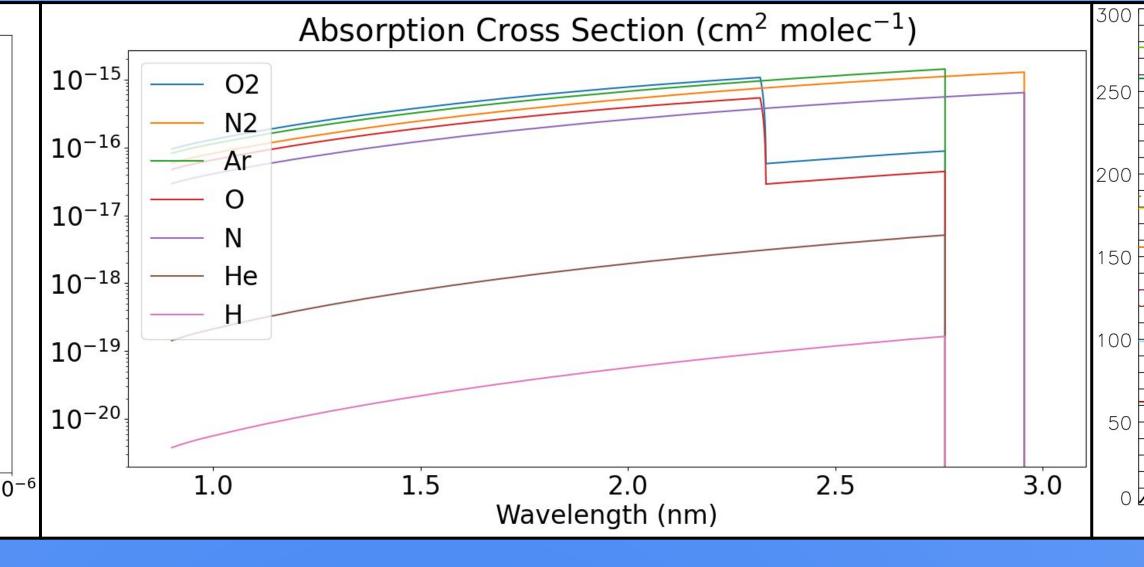
Differential Path Length

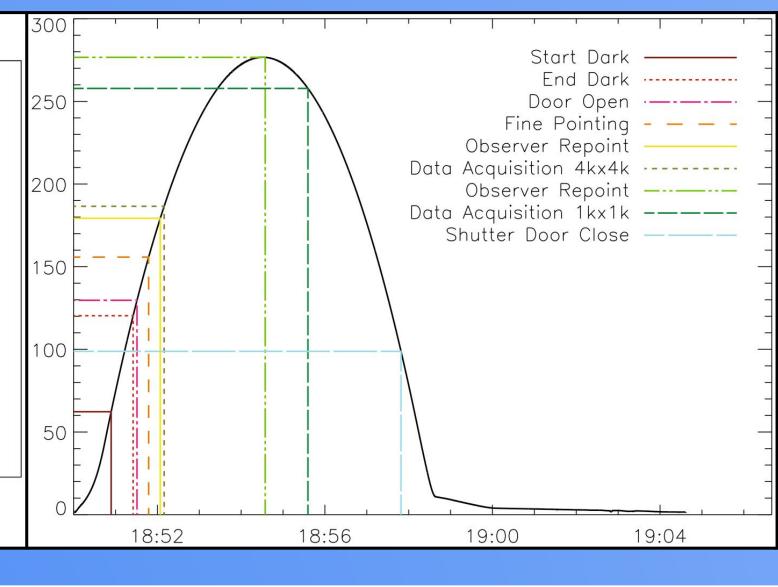


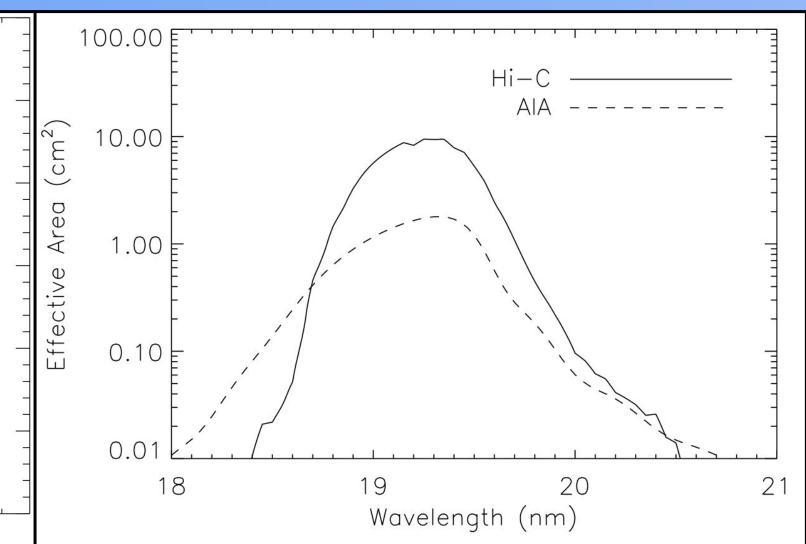
Example Flight Profile/Passband





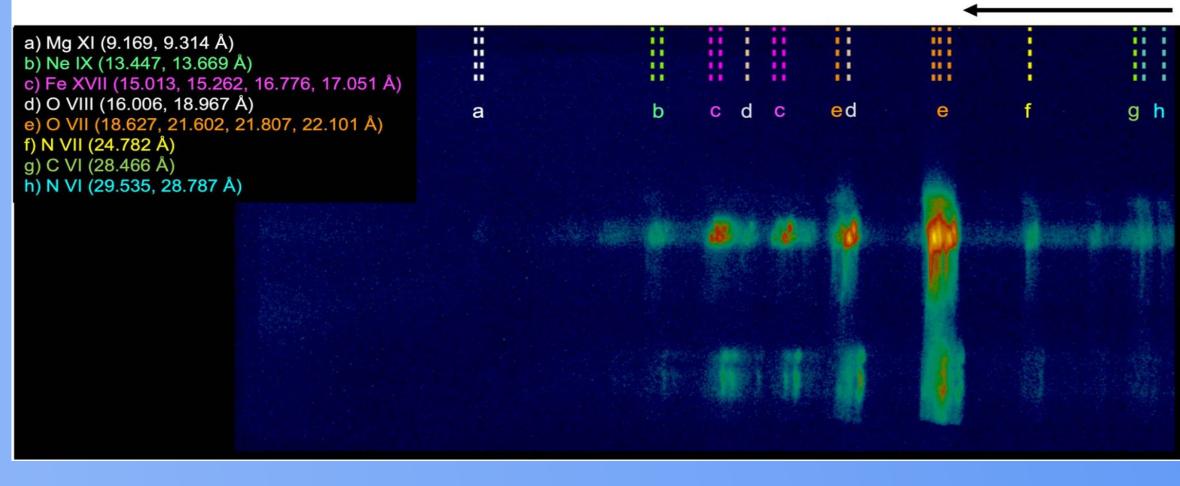


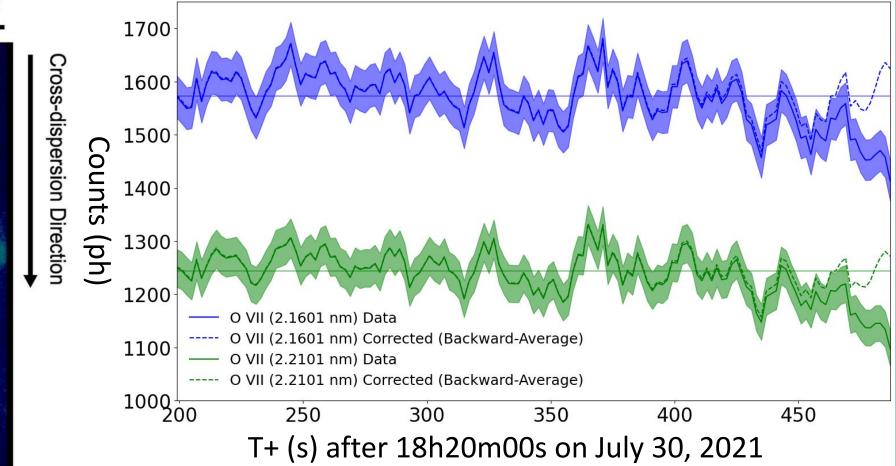




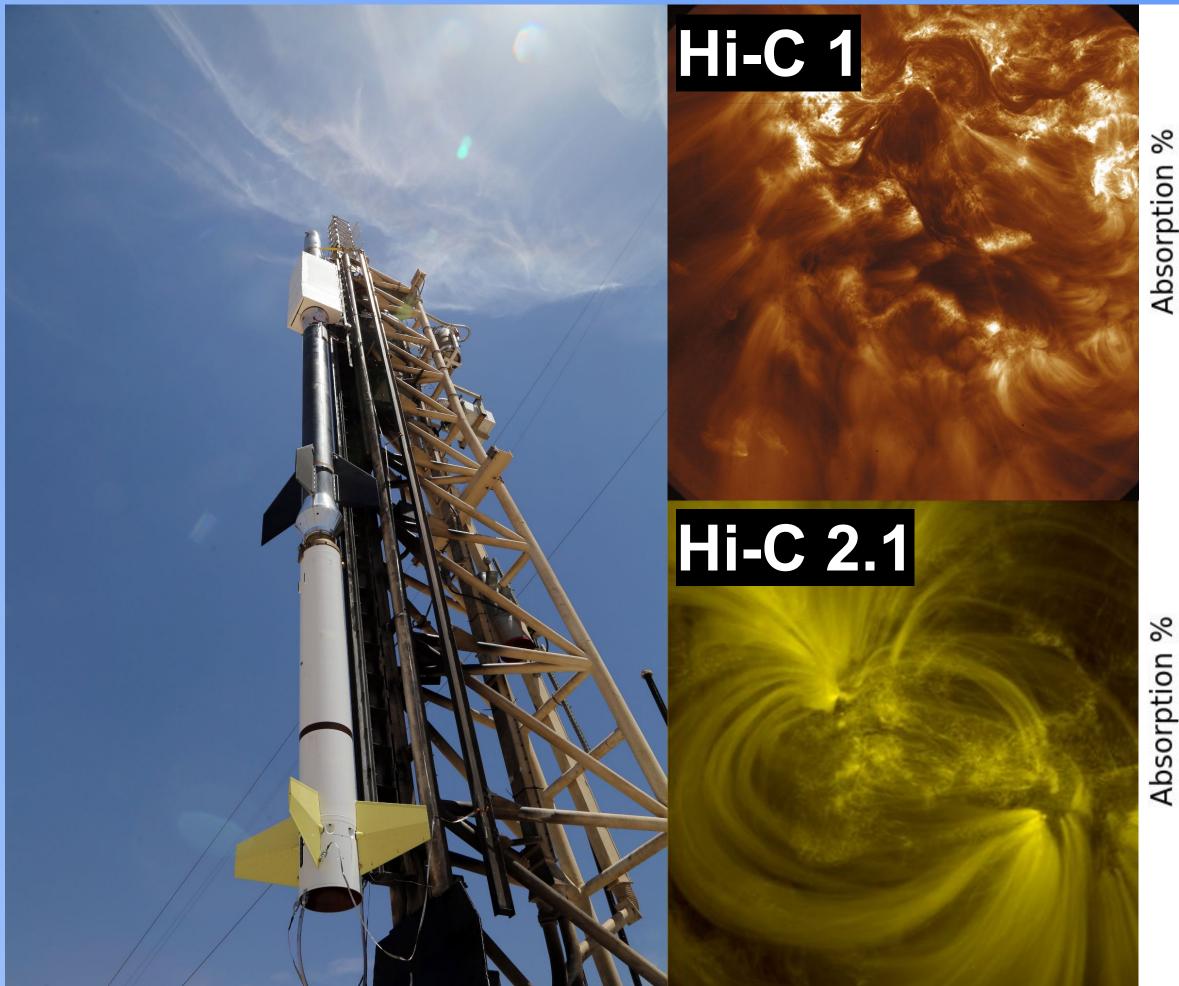
Past Missions

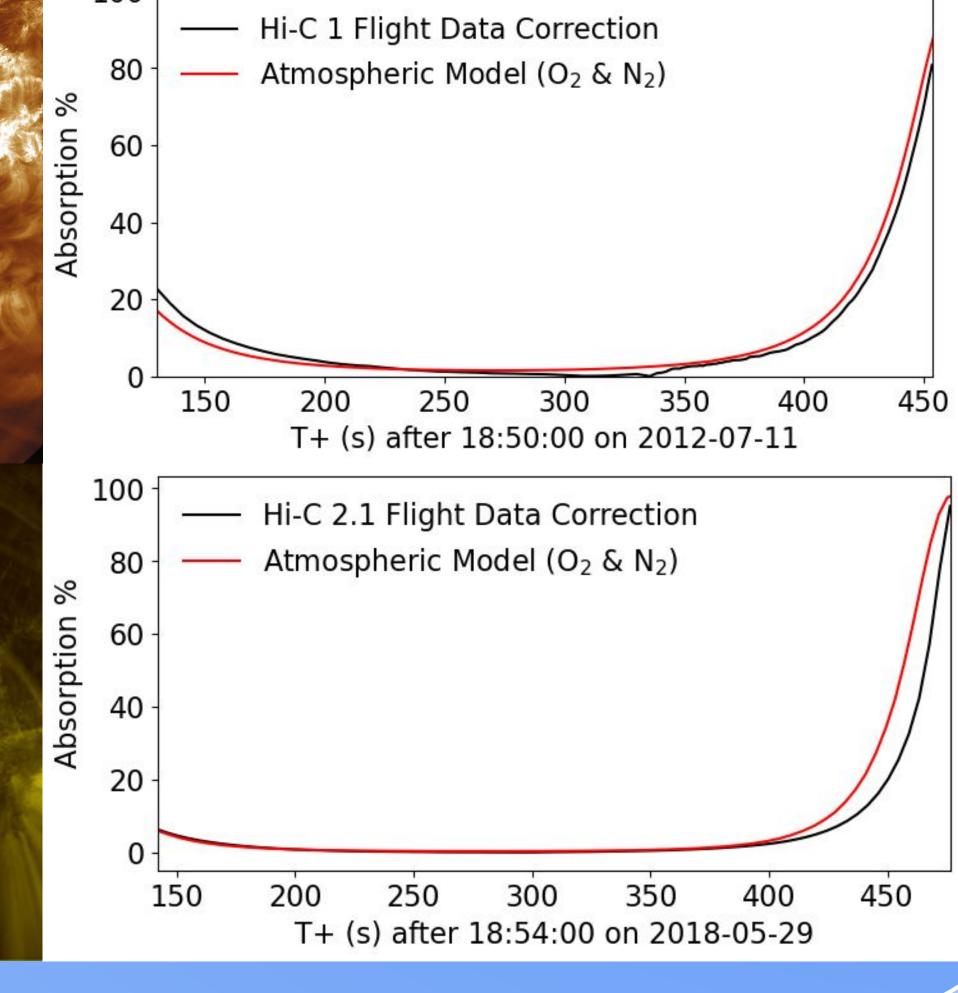
Marshall Grazing Incidence X-Ray Spectrometer (MaGIXS)



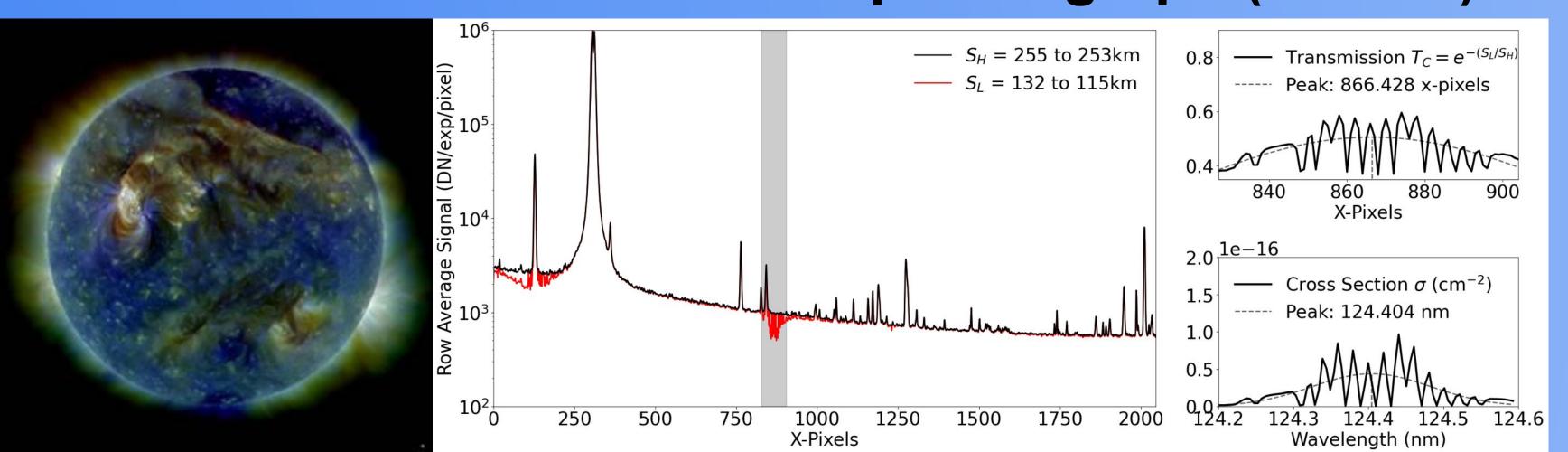


Hi-Resolution Coronal Imager (Hi-C)

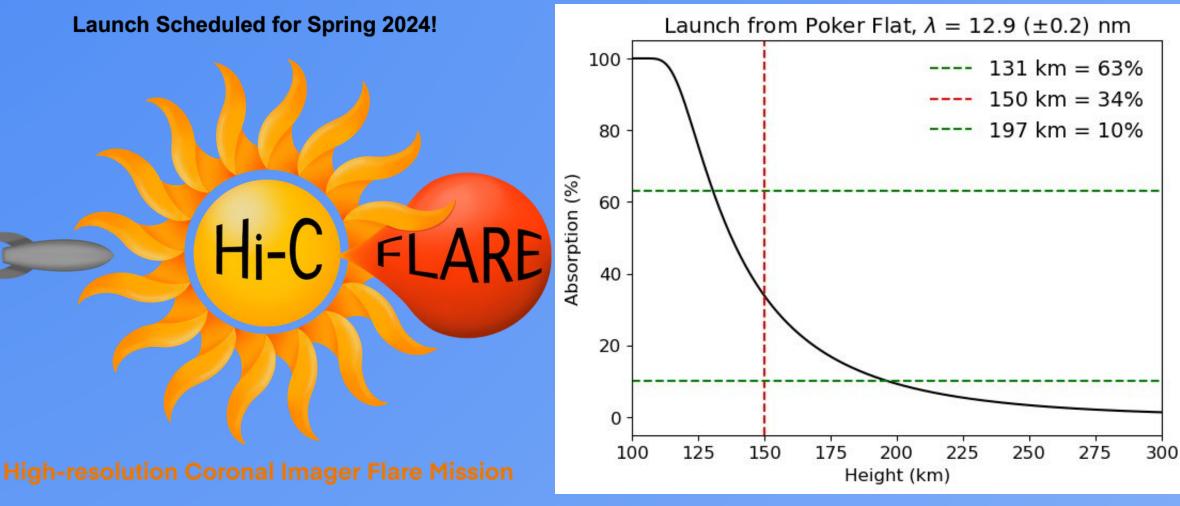




Future Missions/Work Full-sun Ultraviolet Rocket SpecTrograph (FURST)



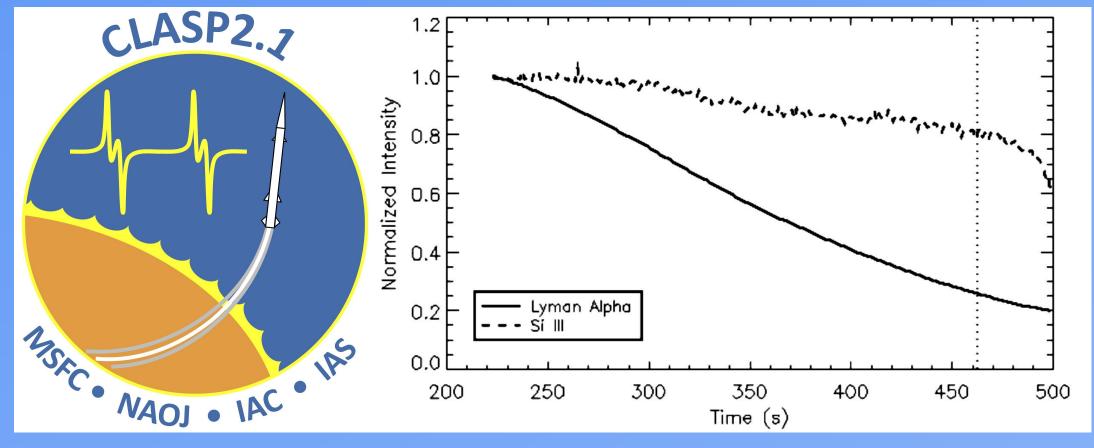
Hi-C Flare Launch from Poker Flat, λ = 2



Difficulties:

- High latitude at Poker Flat, AK
- Variable launch day/time
- Heavy payload

Chromospheric LAyer SpectroPolarimeter (CLASP)



Future Work:

 Untangling absorption from water vapor