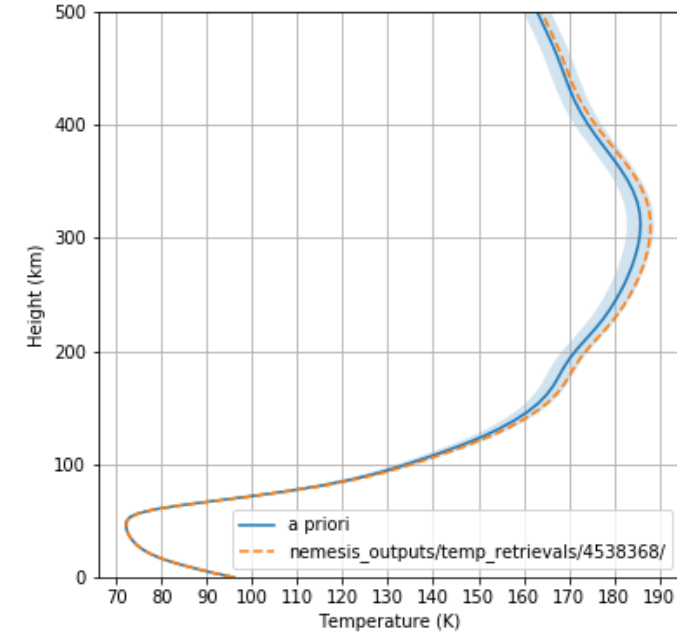
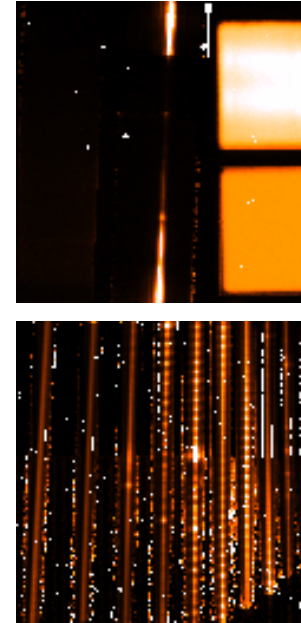


# P5761: COMPOSITIONAL ANALYSIS OF TITAN'S ATMOSPHERE USING SPITZER INFRARED SPECTROGRAPH DATA

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- Analyzed untouched Spitzer Infrared Spectrograph (IRS) data of Titan (low-res 5.13-14.29  $\mu\text{m}$ ,  $R=60-127$  & hi-res 9.89-19.51,  $R=600$ )
- Retrieved temperature, haze, and gas volume mixing ratio vertical profiles
- Suggest various improvements for the IRS pipeline



Averaged IRS Spectra of Titan

