

Atacama Large Millimeter/Submillimeter Array (ALMA)

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Work Objectives

- Investigate ALMA Antenna and Pad Position Histories
- Assist my supervisor with his scientific project (Kinematics of the FU Orionis Binary)



My hosts and Santiago Offices



OSF and ALMA Hightsight



Chile!



Daily Work Pt. 1

Antenna and Pad Position Histories

- Investigating ALMA Antenna and Pad Positions:

[link](#)

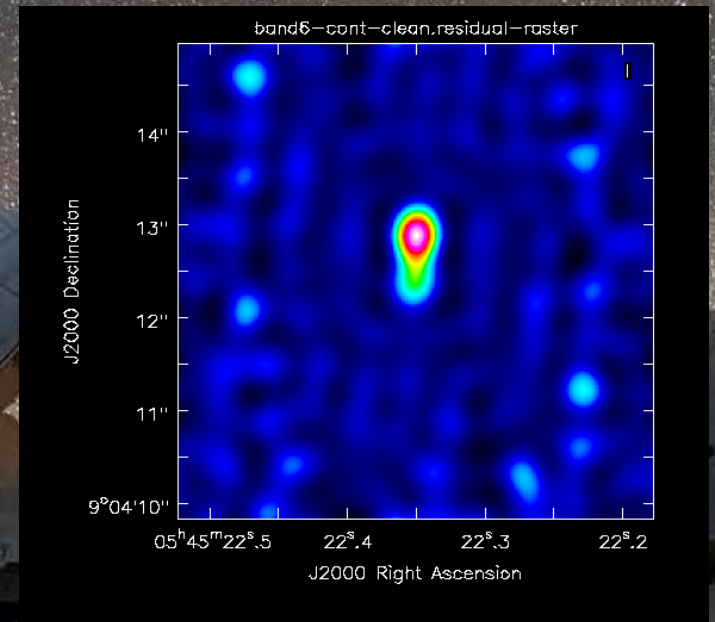
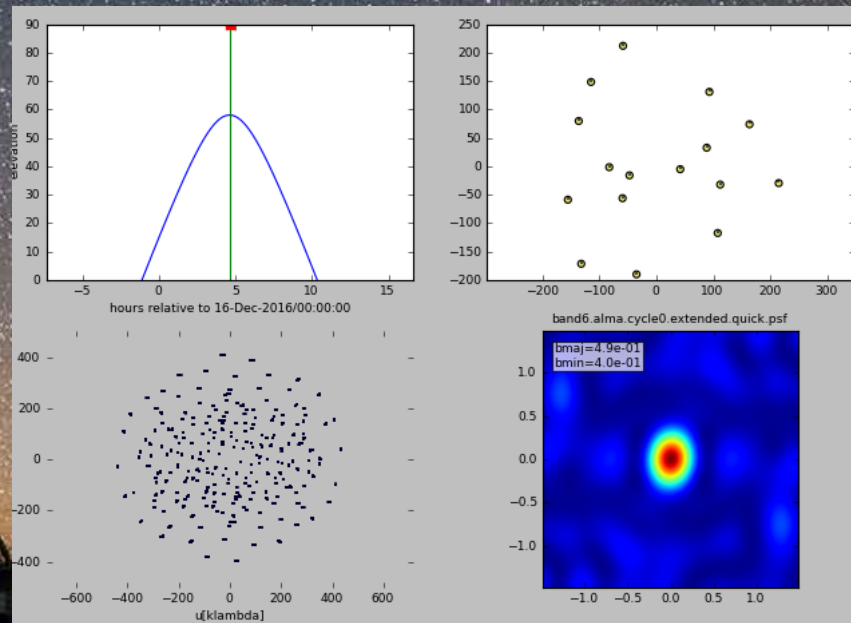
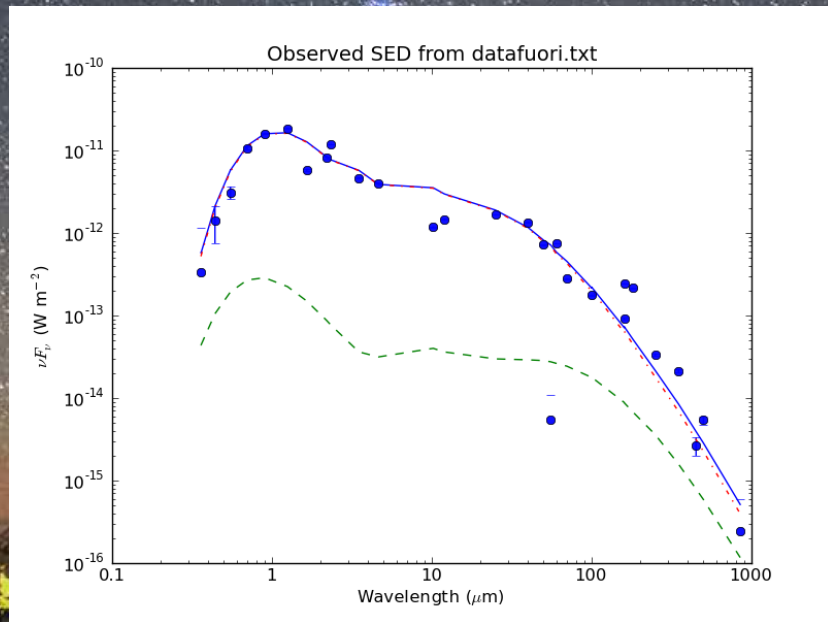
- Statistics
- Small technical tasks
- Report and Presentation



Daily Work Pt. 2

Fu Orionis Kinematics

- FU Orionis Model Fits
- Obtained SED, Dust continuum, and CO fits for FU Orionis



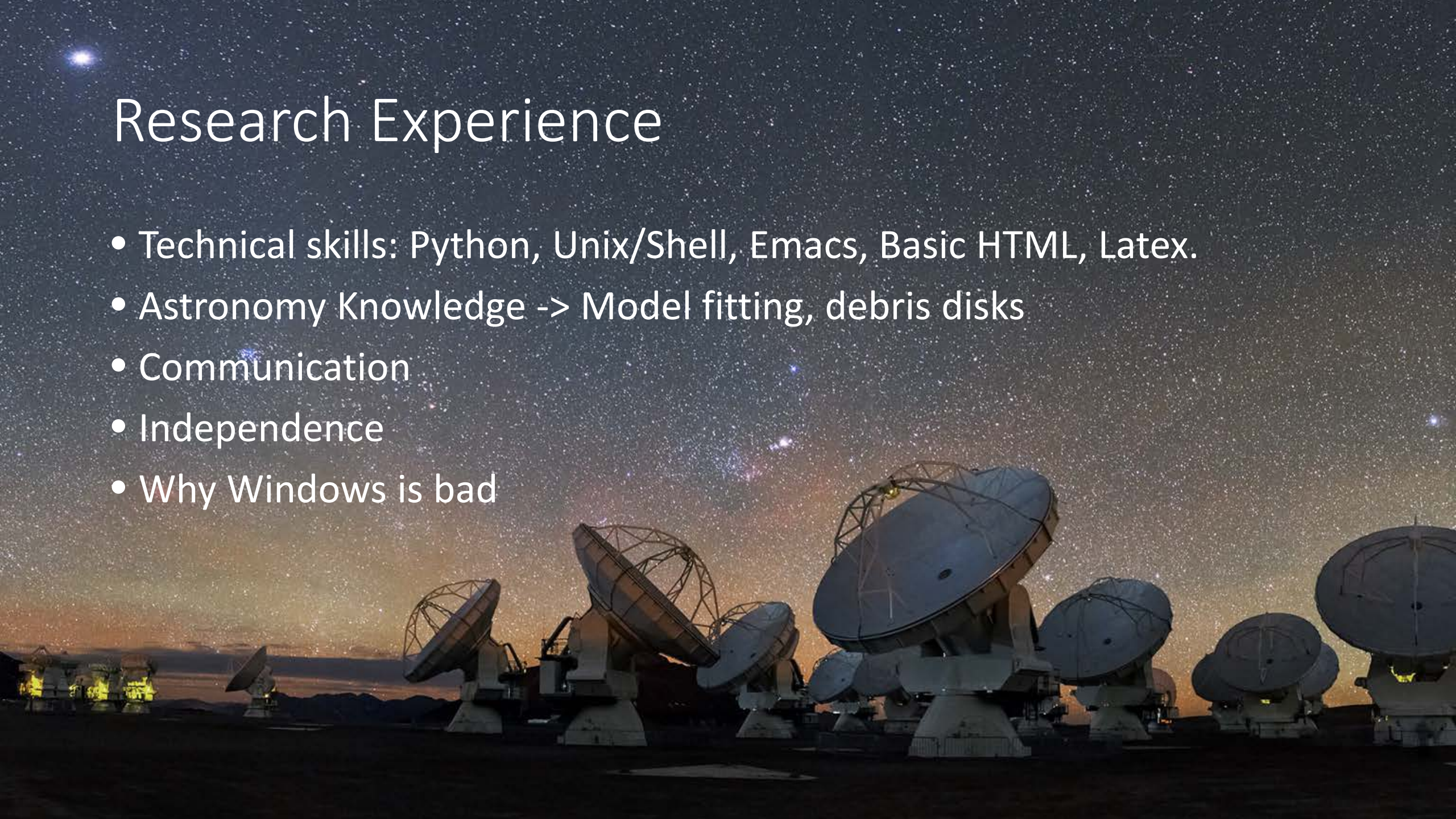
Impact

- Position History Plots and Statistics Routine
- Antenna Position Trend
- Fu Ori Model Fits



Research Experience

- Technical skills: Python, Unix/Shell, Emacs, Basic HTML, Latex.
- Astronomy Knowledge -> Model fitting, debris disks
- Communication
- Independence
- Why Windows is bad



Living Abroad

- Culture/friendship
- Language
- Independence



Thank You to IIP for Making this Possible!
And Thank you for your attention!

