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 Highsight
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!