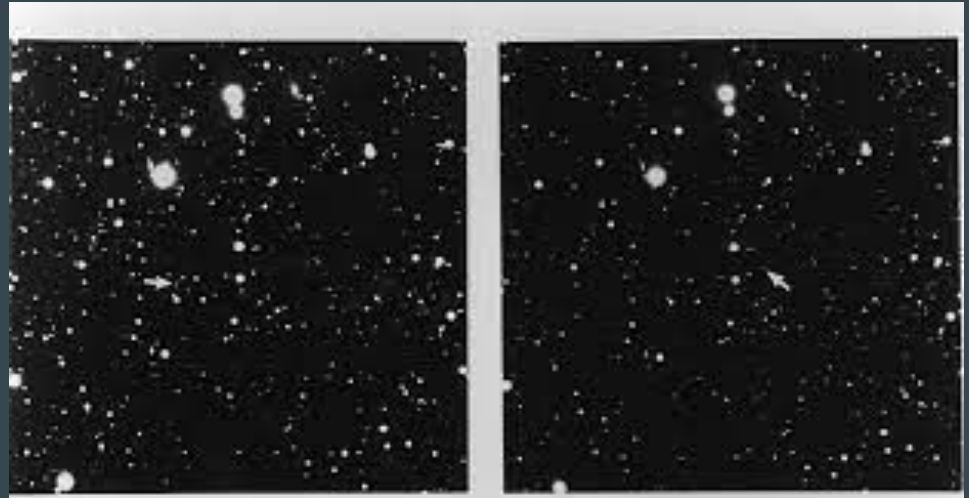


Empyrean Mini-Intro

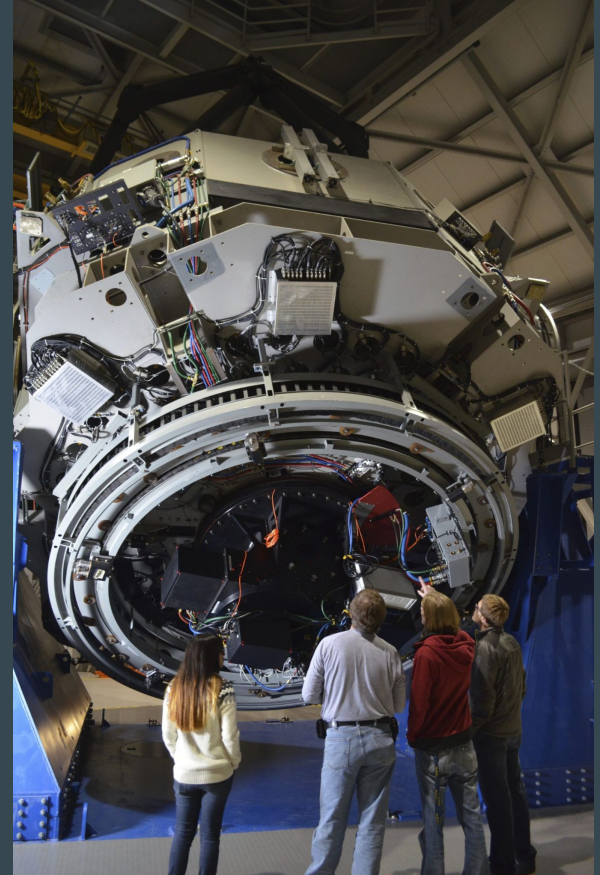
By Henry Fye,
Nhat Linh Nguyen,
Jakob Pirkl,
Jacob Penney,
and Kadan Seward



Significance of Light Observation



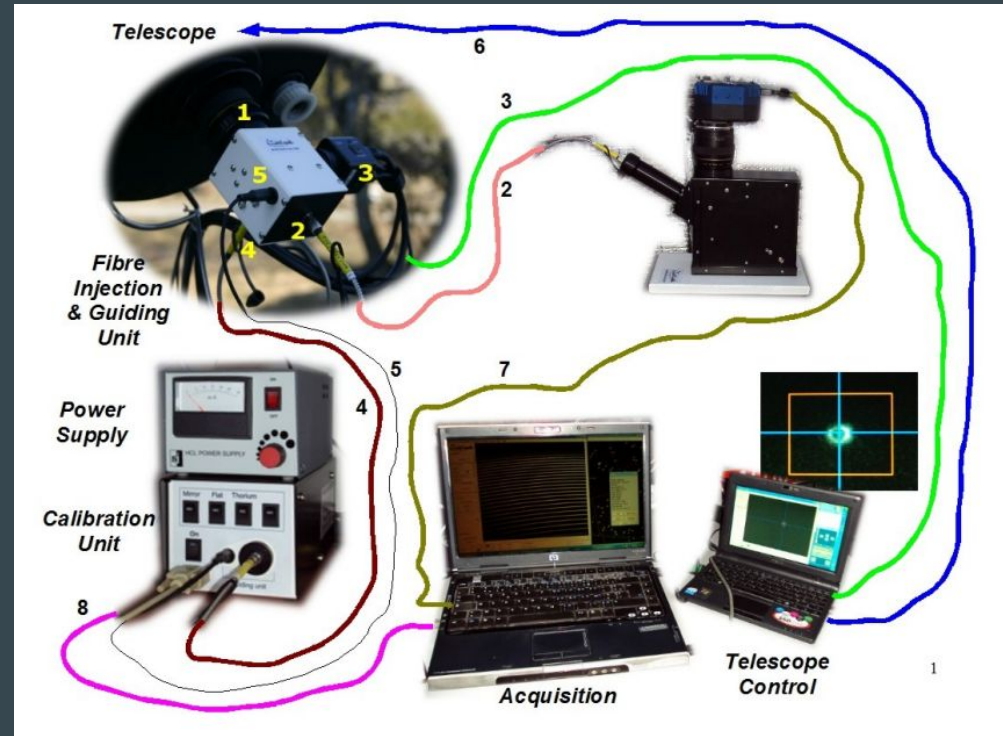
Client - Dr. Joe Llama



Problem

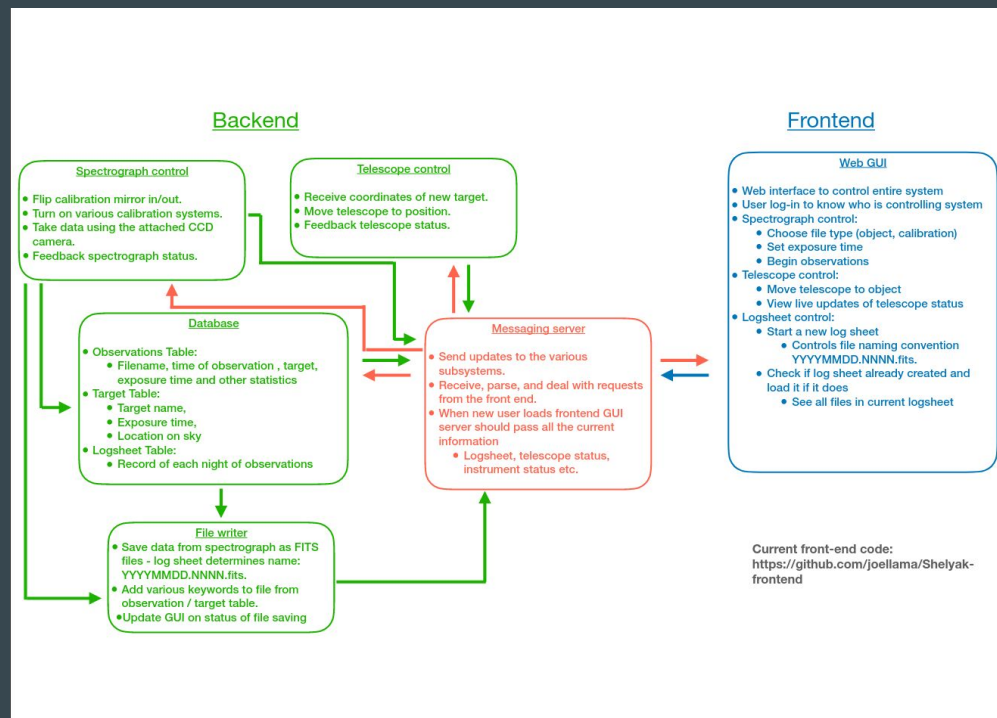
Spectrograph and Telescope Setups:

- Complicated interface
- On-site operation
- 3-4 hours setup



Solution and Plan For Development

- Free, open-source solution
 - website with login
 - HTML, CSS, React
 - controller backend
 - Flask
 - database for spectrograph data
 - Relational, such as SQL
- Meetings: at Lowell, via Zoom



Our Impact

Our software will make operation

- Faster
- More intuitive
- Remote-capable

This improves

- Employee quality of life
- Research output

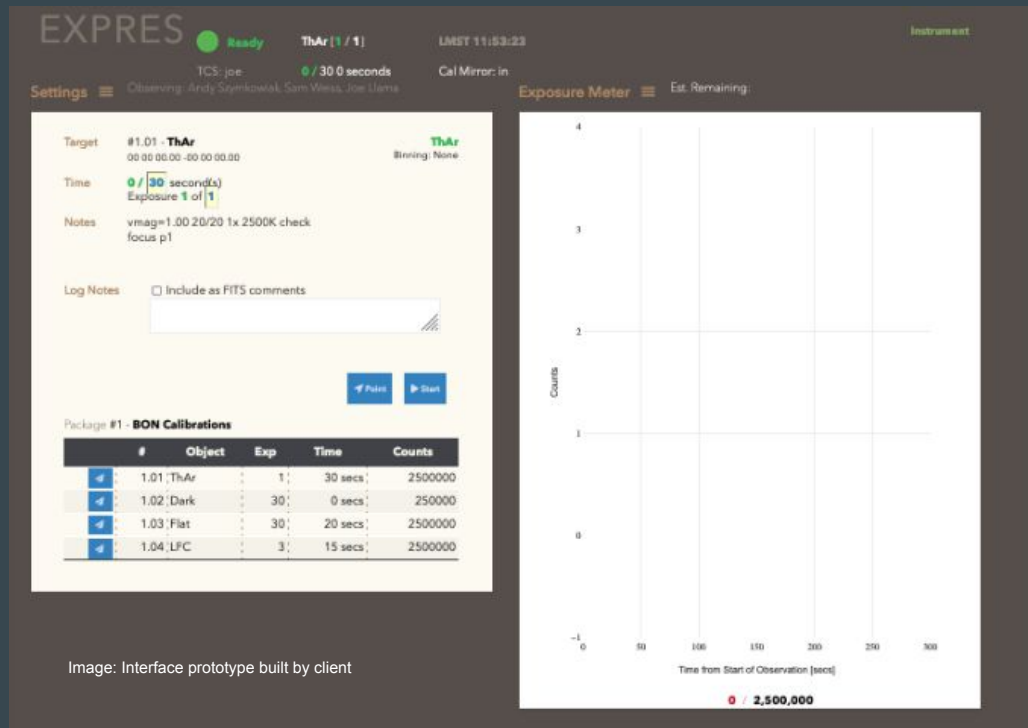


Image: Interface prototype built by client

Questions and Comments