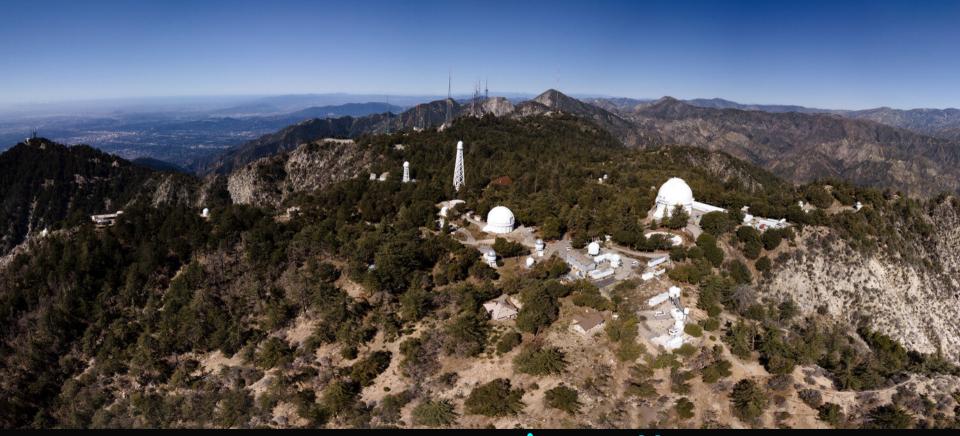


## Telescope update



The CHARA Science Meeting 2024 - Tucson



nic scott Telescope Systems Scientist

















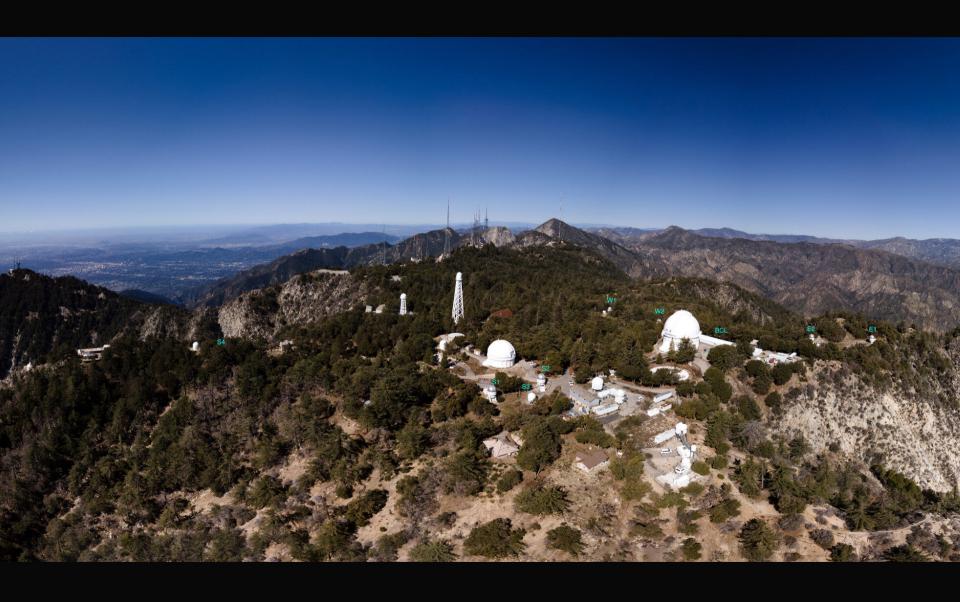


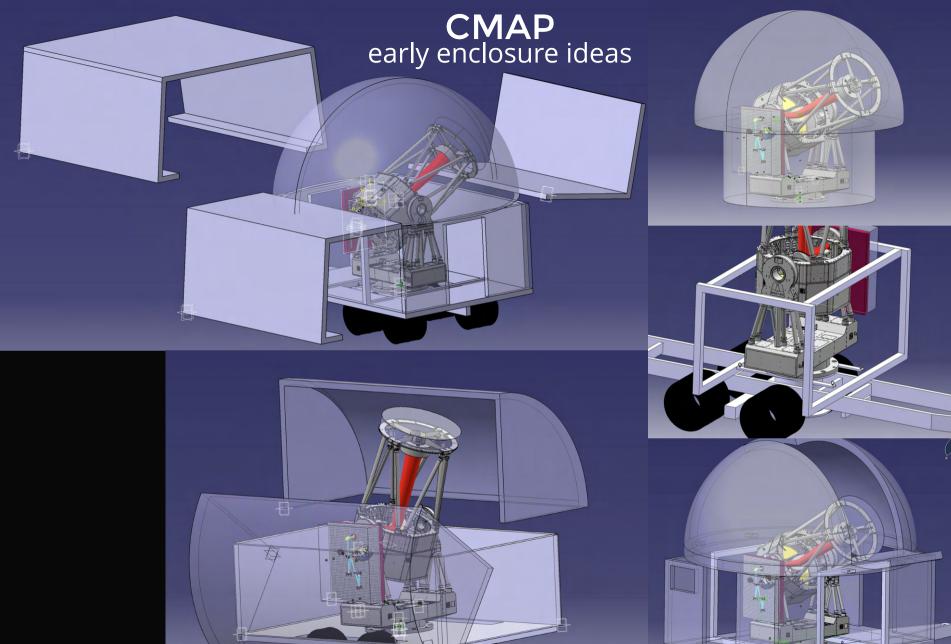














- Street legal
- low ground clearance
- high tongue weight
- "chandalier" mechanism
- 5 shutters
- \$400k



rated for 30k lbs

equalizer suspension



## **Mobile Telescope Transport (TR116)**

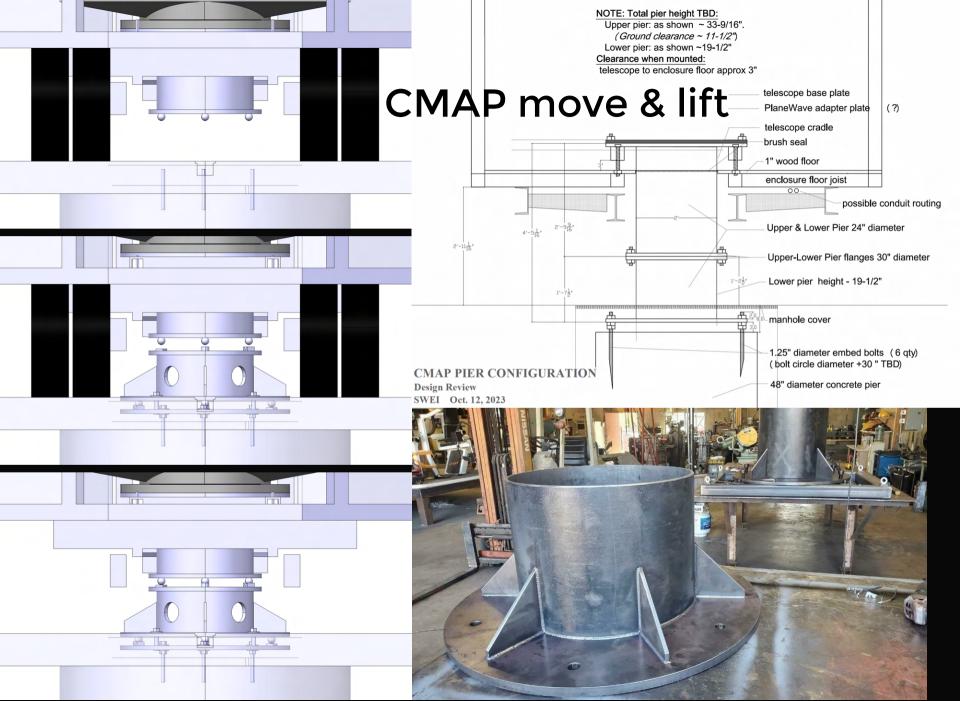
https://www.youtube.com/embed/T5hPlE\_MIzo? rel=0&autoplay=1&loop=1&enablejsapi=1&vq=hd1024











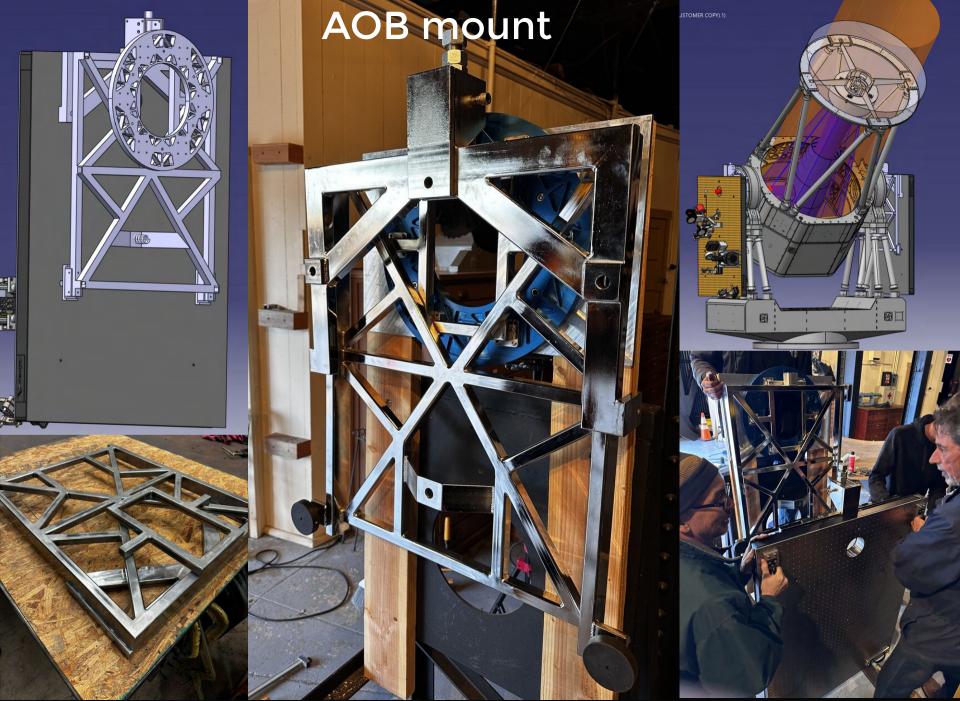








https://www.youtube.com/embed/qqNxdpz02Bk?rel=0&autoplay=0&loop=1&enablejsapi=1&vq=hd1024





## **Drive Upgrade**

- MSIP
- Existing drives are ~25 years old & discontinued
- Reduce vibration, improve tuning
- One prototype assembly and short pivot arm made by UCryo
- Adapter plate made by GSU
- all 12 drives and motors (plus spare) in hand from Parker
- S2 EL drive assembly removed and reinstalled
- Spare Dojen obtained
- Hardware now ready for EL install
- Install can be completed during daytime without impacting observing, but nights needed for software and tuning
- Software still needs work

