

Establishing of a remote/automated observatory in north-west México.

Carl Sagan Stellar and Solar Observatories.

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"El saber de mis hijos
hará mi grandeza"



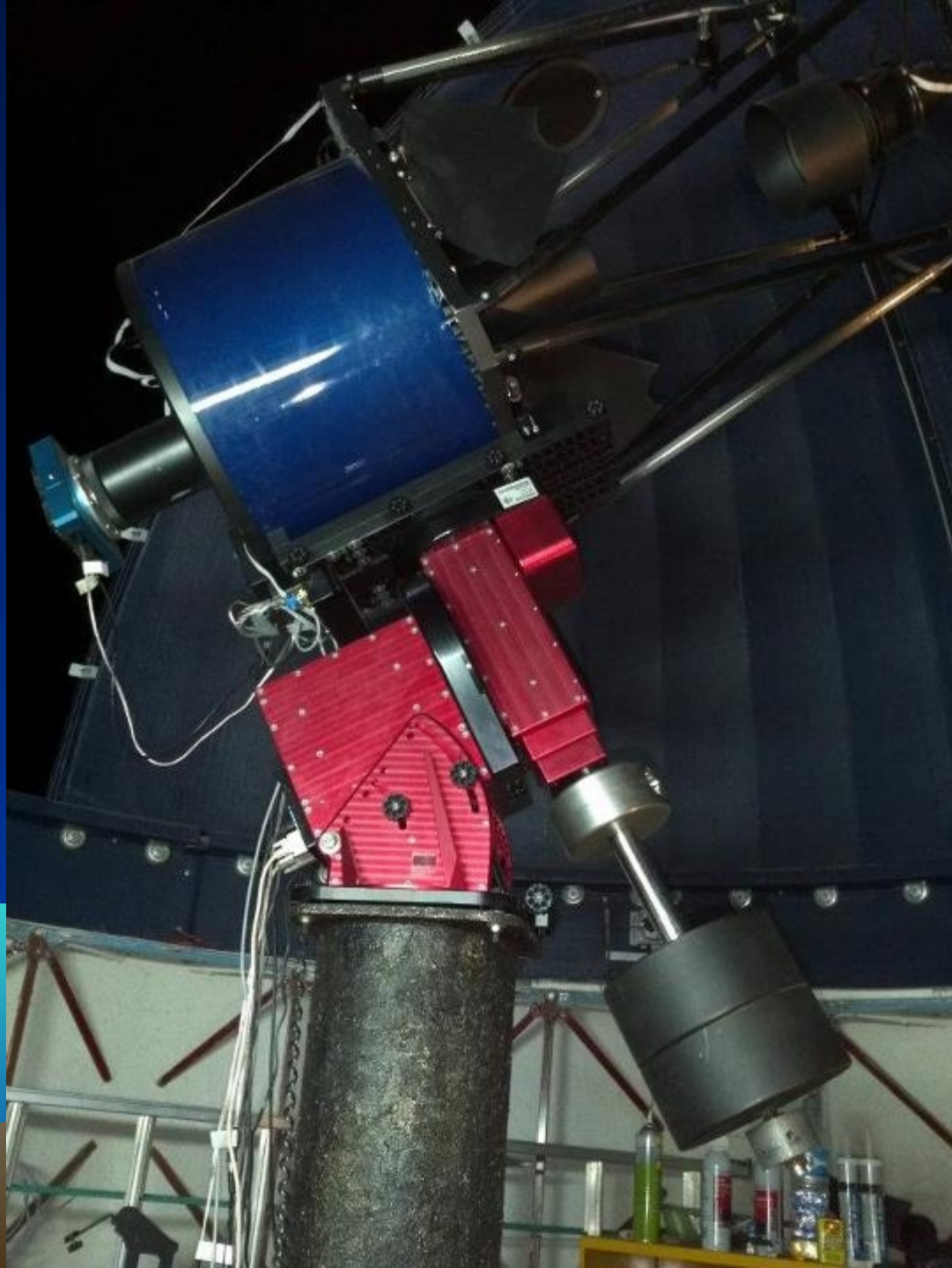
• Hermosillo

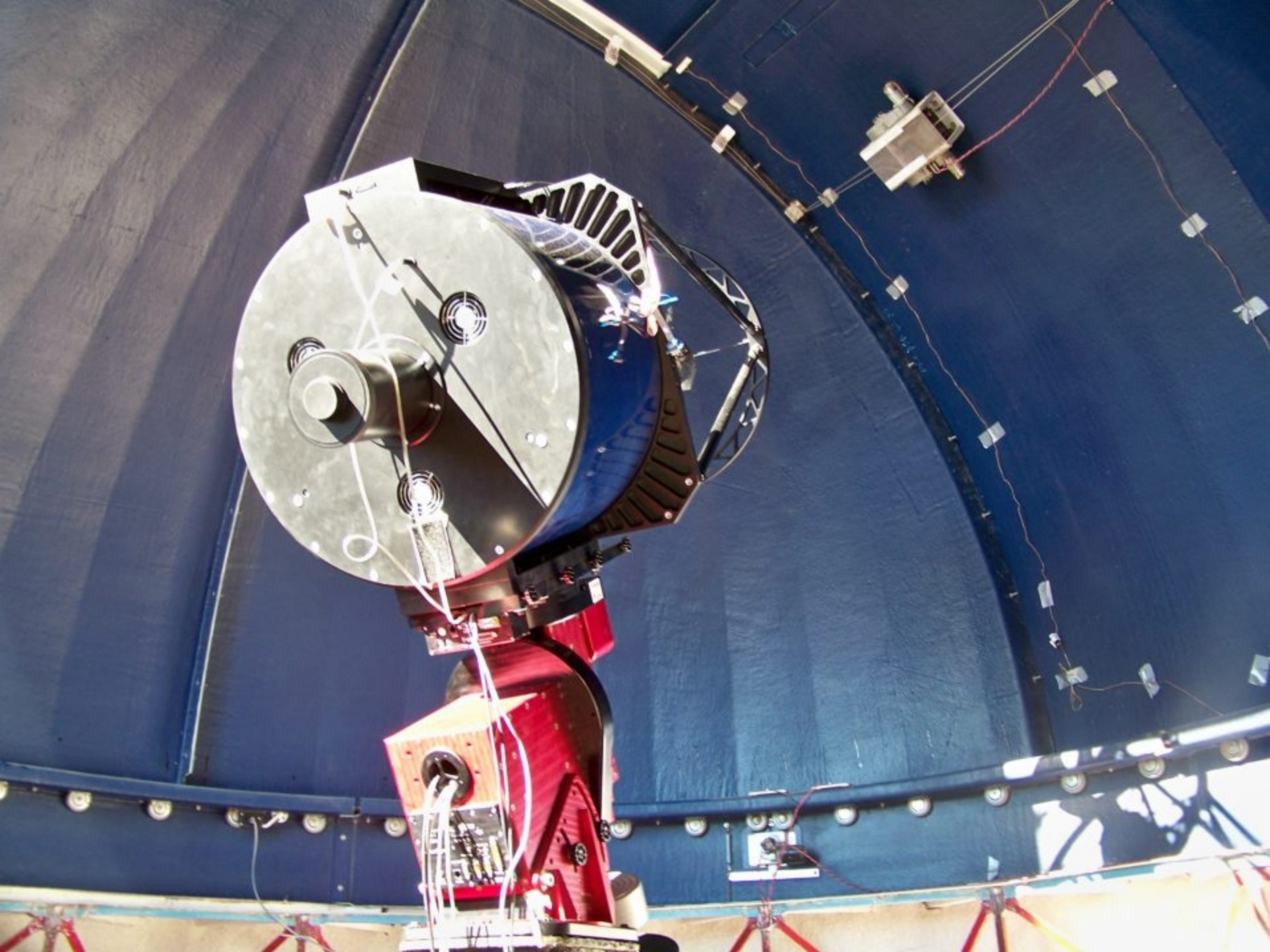
Lat: 29.067 - Long: -110.967 - Alt: 700 m
TAGE0.com - NASA Goddard Space Flight Center



- The Stellar Observatory Prototype has the following equipment:
 - **Dome:** Technical Innovations Pro-DOME 15', build in fiber-glass comes with complete electronics for manual/computer operation.
 - **Mount:** Paramount ME robotic Telescope Mount.
 - **Telescope:** Custom build AstroSib RC500 Ritchey-Chrétien, 508 mm F/8 secondary focus, F/3 primary focus. The telescope is equipped with the Robofocus system for easy focusing using the included hand control or computer interface.
 - **Main Camera:** Apogee Alta U-9000, 3056 x 3056 pixels (12 x 12 microns each), on the AstroSib RC500 this CCD gives a 31.6 x 31.6' field of view.
 - **Computer:** A standard desktop computer is used as a control computer (OCC).
 - **Other:** a Davis Vantage Pro2 weather station is installed to permit for continuous data update to the control computer.



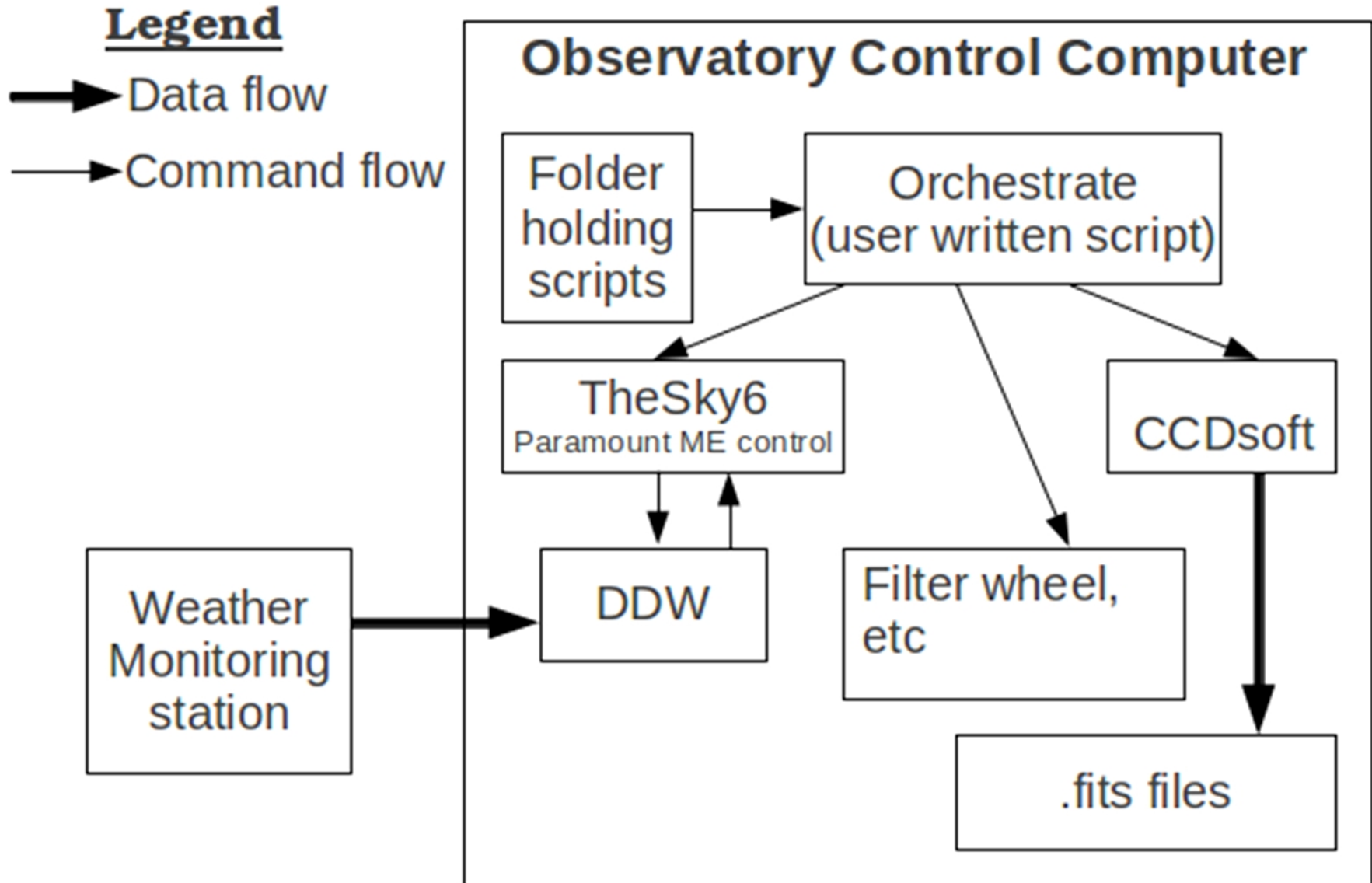




- In addition to the mentioned hardware, the control computer is loaded with the following software:
 - **TheSky6.**- Permits control of telescope dynamics, dome movement (including slaving) and readout of weather data.
 - **Tpoint.**- Embedded in TheSky6, allows mapping of data points for increased accuracy in pointing and tracking.
 - **CCDSOFT.**- Controls CCD function.
 - **Automadome.**- Operates PD-15 dome.
 - **Robofocus software.**- Interface for focusing mechanism.
 - **Orchestrate.**- Interacts and controls TheSky6, Automadome, Robofocus, weather station and CCDSOFT permitting automation of tasks .



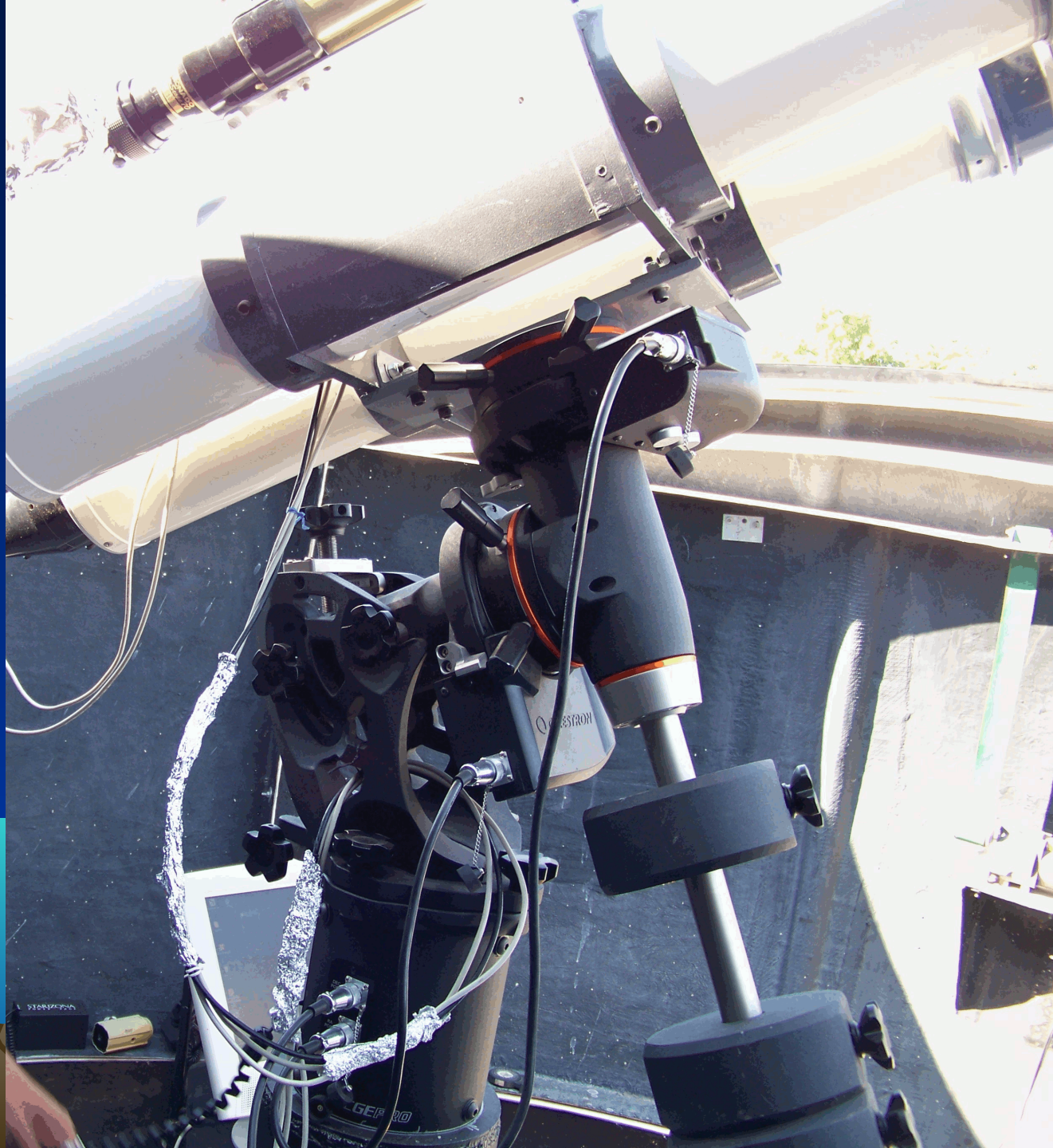
Present state



The solar observatory

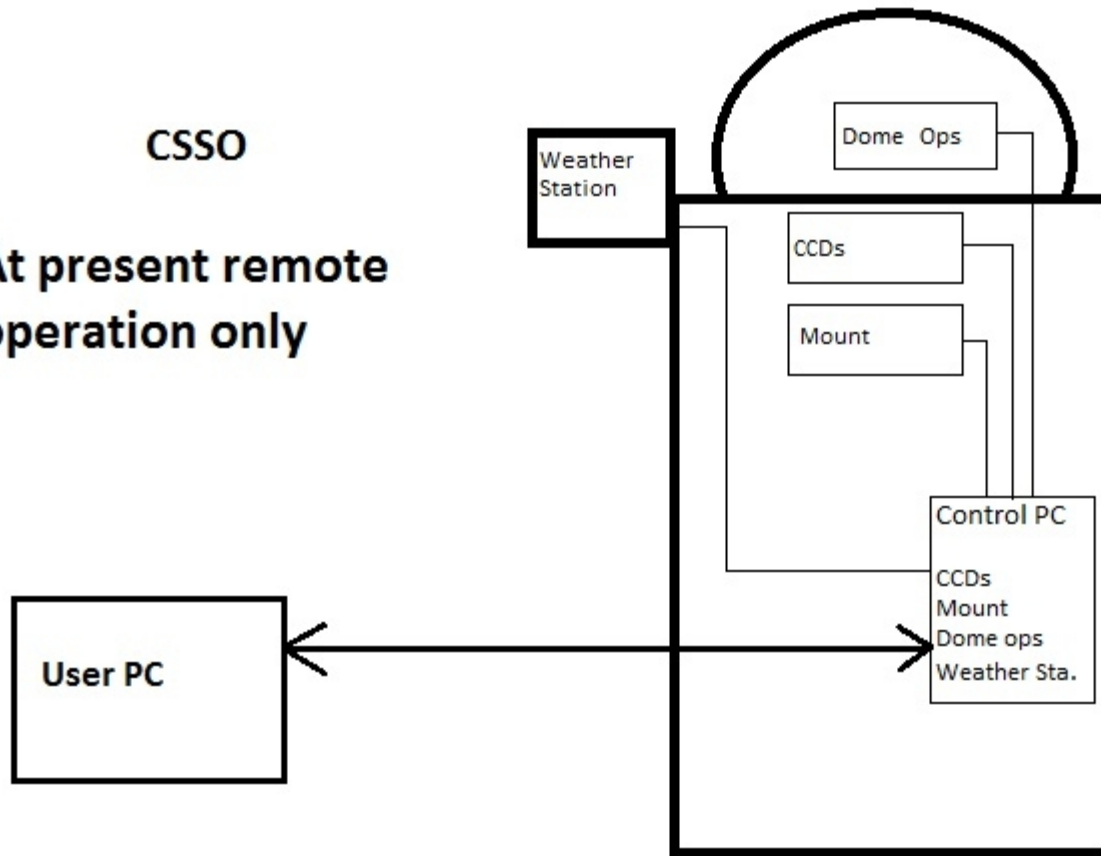






CSSO

At present remote
operation only



Users from:

- San Juan, Argentina
- Madrid, Spain
- Chihuahua, Mexico
- Mexico City, Mexico
- Brighthon, UK

Soon from:

- Chile
 - Costa Rica
- 

More info:

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The End

