



MOUNT LAGUNA  
OBSERVATORY





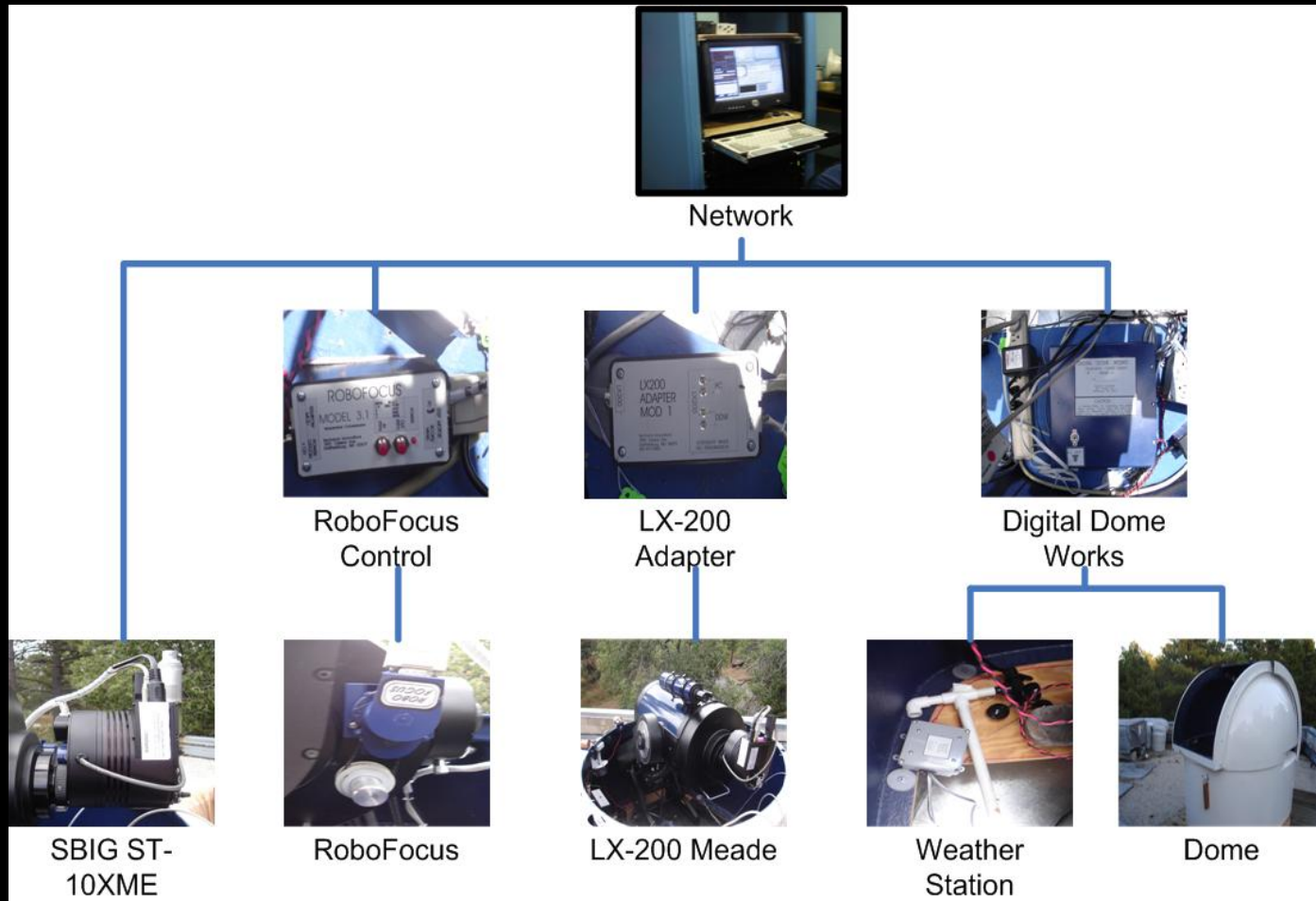


# 10" RoboDome

## Increasing Accessibility via HPWREN

- Persons with disabilities – US Forest Service Summer Visitors' Program
- SDSU Astronomy 109 Lab Students
- SDSU Astronomy Majors Research Projects
- Community College Partnerships

# 10" RoboDome Set-up



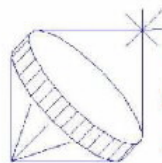


# 40" ULTRA Telescope

(\$1.4M NSF Funded)

## The UltraLightweight Technology for Research in Astronomy (ULTRA) Project

B. A. Twarog, B. J. Anthony-Twarog, S. J. Shawl, R. Hale,  
R. Taghavi (*University of Kansas*),  
R. Fesen (*Dartmouth College*),  
P. Etzel (*San Diego State University*),  
R. Martin, R. Romeo (*CMA, Inc.*)



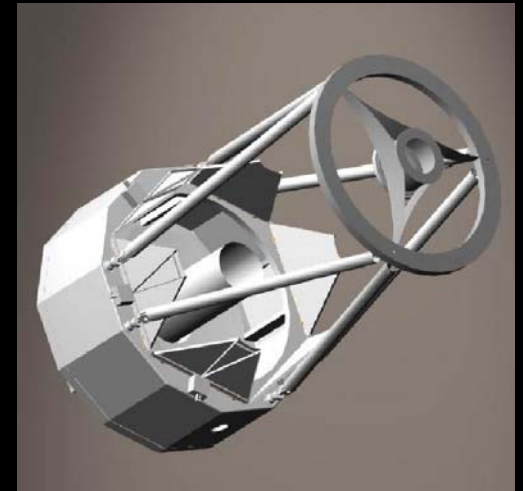
*Composite  
Mirror  
Applications*



# 40" ULTRA Telescope



16" prototype  
composite optical  
tube assembly being  
assembled in  
Tucson



# Recent NSF PREST Award

\$380K over 3 years to:

- Refurbish Optical System of “Illinois” 40-inch
- Upgrade Telescope Control System, Dome, and Direct Imaging Capabilities
- Allow Remote Observing – HPWREN
- Guest Observer Program (20% time allocation, some service observing)





# CSU System

# Proposed 96" ROBONET Telescope



## Existing ROBONET Telescopes:

- Liverpool John Moores University at La Palma (80-inch)
- Faulkes I (UK Schools) at Maui, Hawaii (80-inch)
- Faulkes II (UK) at Siding Springs, Australia (80-inch)
- China (96-inch) – Construction Completed, Shipped

## Proposed ROBONET Telescopes:

- Mount Laguna Observatory (96-inch, \$7.1M-fundraising target)
- Iran (96-inch), Ed Guinan/Villanova Advisor
- South Africa (80-inch), St. Andrews Univ.
- Chilean Andes (80-inch), Univ. Sao Paulo



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