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

Network

RoboFocus Control

LX-200 Adapter

Digital Dome Works

SBIG ST-10XME

RoboFocus

LX-200 Meade

Weather Station

Dome
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.)
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)
Humboldt State University
California State University, Chico
Sonoma State University
California State University, Sacramento
California Maritime Academy
California State University, Hayward
San Francisco State University
California State University, San Jose
California State University, Stanislaus
California State University, Monterey Bay
California State University, Fresno
California State University, San Luis Obispo
California State University, Bakersfield
California State University, Northridge
California State University, Channel Islands
California State University, Los Angeles
California State Polytechnic University, Pomona
California State University, San Bernardino
California State University, Fullerton
California State University, Dominguez Hills
California State University, Long Beach
California State University, Office of the Chancellor
California State University, San Marcos
San Diego State University

**Bold colored text:** indicates campus with astronomers.
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