

NOAO Quarterly Report (2) FY 2010
(November 1, 2009 – January 31, 2010)

*Submitted to the National Science Foundation
Pursuant to Scientific Program Order No. 16 AST-0947035
Cooperative Agreement No. AST-0132798*

**SPO-16 AST-0947035 Infrastructure Improvements at the National Optical
Astronomy Observatory**

ACTIVITIES AND FINDINGS

Activity related to infrastructure improvements in the first quarter of FY10 included the following:

- La Serena instrument shop CNC machine. New machine purchased.
- La Serena instrument lab. New equipment purchased and delivered including oscilloscopes.
- CTIO 4-m telescope improvements are being made. The Coudé room upgrade to handle new instruments (DECam and NEWFIRM) is in progress.
- CTIO 4-m telescope coating chamber refurbishment in progress. Vacuum pump, valves and other equipment purchased and delivered to CTIO.
- CTIO 4-m UPS replacement, new UPS ordered.
- CTIO. Cerro Pachón dining facility. Conceptual design in progress.
- Tucson: Dedicated Stimulus Project Engineer hired. Civil Engineer Kate Foster was hired and began working on 1/19/09.
- Tucson computer room electrical, cooling and fire detection/suppression systems. Planning begun.
- Tucson instrument shop. New CNC machine installed and working. Project complete.
- Tucson electrical supply/distribution equipment renovation. Developing “Engineering Design Scope of Work.” Requisition and Scope of Work submitted to Contracts to initiate Request for Proposals.
- Tucson Building Energy Management and Control System replacement. Planning begun.
- Kitt Peak Visitor Center elevator for handicapped access is in progress. Contract executed with Abbey Home Elevator of Phoenix, AZ. Equipment scheduled for delivery and installation in coming quarter.
- KPNO Water System Renovation. “Engineering Scope of Work” prepared and submitted to initiate Request for Proposals. Mandatory engineering on-site review held on 1/20/2010. Engineering design proposals received 1/29/2010.

- KPNO Instrument Handling Facility. Planning, research, and discussion activities ongoing with staff. Site locations on Kit Peak being identified and evaluation information being prepared for site selection.

The following table provides a summary of the account, showing cumulative expenditures to date and the total funds remaining.

SPO-16 ARRA Report					
FY 2010 Quarter 2 Ending 1/31/2010					
	Award Amount	Prior Expenses	Expenses This Quarter	Total Expenses	Funds Available
CTIO El Totoral Facilities	2,098,000	-	100,109	100,109	1,997,891
CTIO La Serena Headquarters	616,500	-	86,889	86,889	529,611
Tucson Headquarters	826,243	7,988	88,174	96,162	730,081
Kitt Peak Facilities	2,004,963	-	8,405	8,405	1,996,558
AURA F&A	54,294	154	4,595	4,749	49,545
Totals	5,600,000	8,142	288,172	296,314	5,303,686