

GNIRS PROGRESS REPORT

June 14, 2003 – July 25, 2003

Accomplishments / Status

Summary: 99% of the work from the Restart Review to delivery has been completed. To date we have completed five cold cycles. Daily progress reports are being produced to keep current on status and activities as the instrument nears completion. The instrument is in the Flexure Facility ready to start final testing prior to the Pre-Ship AT scheduled for August 11th. This should be the last cold cycle and if successful, the instrument will remain cold for the Pre-Ship AT. Final revisions to the User's Manual and Service and Calibration Manual are in process and the manuals will be ready for final Gemini review at the Pre-ship AT.

Prior to the current cold cycle, the bench was removed and repairs to the OIWFS gimbal mirror were made. This work is complete and it seems to function as it should.

The Science channel had a very low level light leak in the detector area that has been addressed. In addition the detector cold strapping was inspected and repositioned to insure no thermal shorts were possible.

Next Milestones: The next major project milestones are:

- Complete last Cold Cycle by August 1st
- Ready for Pre-Ship AT on August 11th

Earned Value:

	August	September	October	November	December	Jan-Feb	Mar-May	May-June	July
BCWS	\$3,572,138	\$3,572,138	\$3,572,138	\$3,572,138	\$3,572,138	\$3,572,138	\$3,572,138	\$3,572,138	\$3,572,138
BCWP	\$3,186,692	\$3,206,344	\$3,216,275	\$3,254,387	\$3,274,323	\$3,276,019	\$3,380,046	\$3,375,194	\$3,375,194
ACWP	\$4,137,200	\$4,205,116	\$4,283,803	\$4,370,562	\$4,502,594	\$4,581,247	\$4,724,157	\$4,745,416	\$4,840,089
SPI	.89	.90	.90	.91	.92	.92	.95	.94	.94
CPI	.77	.76	.75	.74	.73	.72	.72	.71	.70

This table reflects planned and actual charges to the project as of July 23, 2003. The project has spent \$1,621,215 in capital to date.

Project Management: (99% complete) The project plan may be viewed on the GNIRS web site at: <http://www.noao.edu/ets/gnirs/> under Management, Planning.

Systems Engineering: (100% complete).

Mechanical Design, Fabrication, Assembly and Test: (100% overall).

Electronics: (100% complete).

Software Development: (100% complete).

Alignment and Integration: (99% complete overall)

	December	Jan-Feb	Mar-May	May-June	July
IV. Cold Tests	26%	41%	90%	98%	99%

Deliverables: (99% complete overall). This task includes Instrument Hardware, Training, and Documentation.

Documentation	November	December	Jan-Feb	Mar- May	May-June	July
Test Plans	99%	99%	99%	100%	-	-
Software Maintenance Manual	66%	76%	100%	-	-	-
Service & Calibration Manual	40%	53%	66%	90%	90%	99%
User's Manual	27%	44%	53%	99%	99%	99%
As-Built Fabrication Drawings	75%	100%	-	-	-	-

Procurement: (99% complete overall). Only items being procured are miscellaneous parts and supplies.

Problems / Solutions

No Comments.

Key Personnel

No Changes.