

Cassegrain ADC

Monthly Report, Feb, 2005

I. Narrative

A. Summary

The fabrication of the ADC proper is complete. The only outstanding item is fabrication of the dummy prisms that is about half complete.

Software testing of the electronics control box is complete as is the motor control software to the point it can be tested without the real mechanics. We still need to get cable lengths from CARA to order the cable.

Zygo delivered both prisms in Feb.

Work on Coating development continues. We are negotiating with LLNL about the sol-gel coating.

B. Technical Status

1. Overall Assessment of Scientific and Technical Status

Work on all parts of the project continues and we see no major technical challenges at this time.

2. Accomplishments of the Past Month

As above

3. Problems

None

C. Schedule and Budget Status

1. Overall Assessment of Progress and Expenditures

The schedule to assembly was delayed about 4 to 6 weeks due to the problems with the delivery of the THK rails. Coating of the optics is on the critical path, and the assembly is using some of the free float in the schedule.

Mechanical fabrication continues to be considerably more costly than estimated, but we are nearly done.

2. Problems

None, other than the under estimation of the fabrication budget.

D. Proposed Actions Regarding Problem Areas

1. Scientific or Technical -none
2. Schedule - none
3. Budget -none

E. Anticipated Accomplishments in the Next Month

Continuation of assembly and fabrication

F. Other Issues and Information Deemed Essential to Include

II. Schedule

Current Schedule -attached

III. Confirmation of Amendment of Project Schedule and Milestones

At this time we believe we are on schedule with the mechanical fabrication schedule slipping into float caused by the scheduled delivery of the optics.

IV. Confirmation or Amendment of Project Budget

Will likely ask for a draw on the contingency at the end of fabrication.

V. Project Financial Summary

Attached. At the end of Jan we had expended \$216,044 of an approved total of \$375,963 not including contingency for the Full Scale Development/Commissioning Phase. The contingency is \$126,797.