

## Cassegrain ADC

Monthly Report, Jan, 2005

### **I. Narrative**

#### A. Summary

The main frame parts are back from the painter and it is being re-assembled. The first cell has had all the lathe work done on it and the holes are being machined. The second cell is on the lathe and is awaiting the start of work.

The electronic control box is tested and is ready for software. The interconnect box is nearing completion. We still need to get cable lengths from CARA to order the cable.

Zygo plans to deliver the first prism early in Feb and the second early in March as originally scheduled.

Work on Coating development continues. We have contacted LLNL about them doing 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. The optics are on the critical path, and the assembly is using some of the free float in the schedule.

The mechanical fabrication is about 95% complete and we have expended about 157% of that part of the budget. Mechanical fabrication continues to be considerably more costly than estimated.

##### 2. Problems

None, other than the underestimation 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, even 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 Sept we had expended \$197,576 of an approved total of \$375,963 not including contingency for the Full Scale Development/Commissioning Phase. The contingency is \$126,797.