

Cassegrain ADC

Monthly Report, Dec, 2005

**I. Narrative**

A. Summary

Research on coatings continues on several fronts.

We have successfully coated MgF<sub>2</sub> on slides since the prisms have returned for LLNL, and the coatings appear to be durable. We are waiting for additional instrumentation for our coating tank before continuing this development, as consistency is our principle concern.

We have put an encouragingly consistent SolGel coating on the table top using a spin coating technique. Development of this procedure will continue into the New Year.

The dip coating development hit a snag when the cost of the containment and fire suppression facilities was fully understood. The facility is currently being re-designed to bring us under less stringent codes.

B. Technical Status

1. Overall Assessment of Scientific and Technical Status

The coating of the prisms is being re-done. All other work is complete to the point of fabricating the shipping containers.

2. Accomplishments of the Past Month

As above

3. Problems

Coatings

C. Schedule and Budget Status

1. Overall Assessment of Progress and Expenditures

Coating of the optics is on the critical path. Delivery has been delayed to mid 2006

2. Problems

Coating

D. Proposed Actions Regarding Problem Areas

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

E. Anticipated Accomplishments in the Next Month

Research of coating problems

F. Other Issues and Information Deemed Essential to Include

**II. Schedule**

A. Current Schedule -attached

- III. **Confirmation of Amendment of Project Schedule and Milestones** – at this time we believe we are on schedule.
- IV. **Confirmation or Amendment of Project Budget** – will likely ask for a draw on the contingency.
- V. **Project Financial Summary** –attached. At the end of November 05, we had expended \$383,111 of an approved total of \$375,963 not including contingency for the Full Scale Development/Commissioning Phase. The contingency is \$123,867.