

## Cassegrain ADC

Monthly Report, Nov, 2004

### I. Narrative

#### A. Summary

Assembly of the mechanical parts has started. The Jack Stand has been assembled and tested. It will be sent out for painting soon together with the test stand. The rails have arrived and assembly of the main structure has started. Fabrication of the cells is still in progress. The parts have been water jet cut and need to be welded and machined.

Assembly of the electronics controls box is very nearly completed with a short pop list of items being addressed. The interconnect box and the cables still need to be completed.

Zygo continues with the prisms. They may delivery them in January.

Work on Coating development continues.

#### 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 80% complete and we have expended about 125% of that part of the budget. The budget for mechanical engineering was overspent by 23% but is largely complete.

##### 2. Problems

None other than the underestimation

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

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 at the start of major assembly.
- V. Project Financial Summary –attached. At the end of Sept we had expended \$135,541 of an approved total of \$375,963 not including contingency for the Full Scale Development/Commissioning Phase.