



## **Monthly Report, Dec, 2004**

### **I. Narrative**

#### **A. Summary**

The Jack Stand and the Testing Stand are back from the painters. The main frame has been sent to be painted. One of the cells has been heat treated and is awaiting final machining, and the other is in the final stages of welding and will likely go to the heat treating in the first week of Jan.

Assembly of the electronics controls box is completed and is being tested. 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 90% complete and we have expended about 150% 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 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 start of major assembly.

## V. Project Financial Summary: attached.

At the end of Sept we had expended \$164,984 of an approved total of \$375,963 not including contingency for the Full Scale Development/Commissioning Phase.