

We are pleased to report that the International Gemini Project continues to maintain its aggressive schedule to achieve first light on the Mauna Kea Telescope in December, 1998.

Project Overview

1996 Accomplishments

Whereas 1995 was a year of r

With the cost of change orders from construction still running at about 5% of our original fi

A contractor has been selected to design the Gemini Hilo base facility, and the design has reached the 50% review stage.

Mauna Kea Site. In 1997 the Project will:

- place contracts for the transportation of large structures from Kawaihae to the summit of Mauna Kea.
- complete the support facility and enclosure base buildings on Mauna Kea.
- start the construction of the Gemini Hilo base facility. By the end of 1997 the foundations, the main frame, and the roof structures should be complete.

Cerro Pachón Site. In 1997 the Project will:

- start the completion work for the Cerro Pachón support facility and enclosure base buildings.
- start erection of the enclosure on Cerro Pachón.

Coating Plant. In 1997 the Project will:

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Primary Control System had its prototype review (equivalent to a critical design review) in October 1996.

Telescope Control System had a successful preliminary design review and a successful prototype review. The prototype has had extensive testing and has been very well received.

Mount Control System had its critical design review in December 1996.

Data Handling System had a successful preliminary design review, and working prototypes of the Quick Look Display and Data Storage Server have been received.

Secondary Control System had its preliminary design review, prototype review, and alpha review successfully completed.

Control Simulator is now complete and in use to test the software as it is delivered by the work packages. A number of packages were tested successfully as an integrated whole.

Communications System has been started. The Project now has a complete statement of work and has started developing the requirements.

Telescope Encoders have been added to the Mount Control System work package. RGO/PPARC concluded successful tests of differ

Mount Control System will be begun this year and will have two pr

Systems Engineering

1996 Accomplishments

1997 Plans

Interface Control. Work underwent a transition to verification of the detailed fabrication drawings, of fab-

Planned Contracts in 1997

Table 2a is a list of the construction project major subawards, expected to be awarded in 1997. Table 2b lists the same information for operations.

Table 2a. 1997 Contract Schedule for Construction

1996 Expenditures

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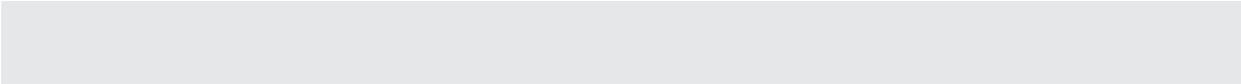
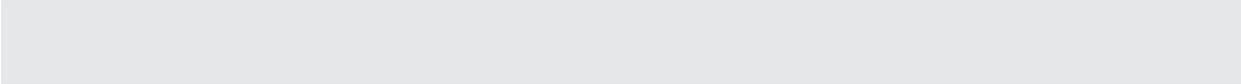
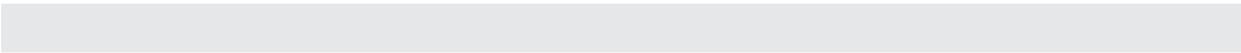
Proposed Budgets for 1997

A summary of the 1997 construction project budget is shown in Table 5a. These figures include the \$8.8M carryover from 1996. The new commitments are the part of the cash-plus-credit expenditures that represent commitments to be started in 1997. Table 5b shows the proposed operations budget for 1997. There are no contribution credits shown, as operations will be conducted on a cash basis.

Table 5a. Summary of Calendar Year 1997 Proposed Construction Budget (\$ 000)

Expense Category	Cash Expenditures	New Commitments	Contribution Credit
Subcontracts / Work Packages	37,520	7,356	0

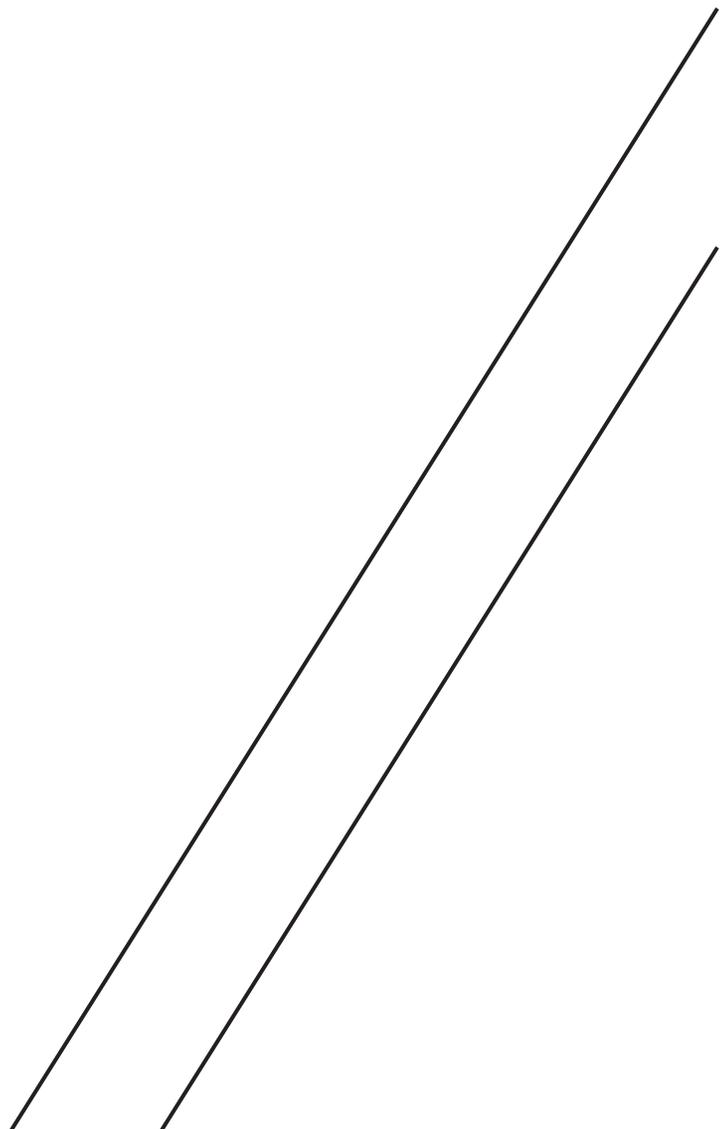
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Schedule of Events for the Gemini Boar

Type	Doc_No	Author	Date	Title
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National Science Foundation
4201 Wilson Boulevard
Arlington, VA 22230 USA

<http://www.nsf.gov/>

International Gemini Project Office
P.O. Box 26732
Tucson, AZ 85726-6732 USA

<http://www.gemini.edu/>