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APOLLO

GUIDANCE AND NAVIGATION

Approved Milton B. Trageser Date 6/25/62
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UNCLASSIFIED

To _____
By authority of GDS-EO 11652
Changed by J. Shirley Date 12/3/72
Classified Document Master Control Station, NASA
Scientific and Technical Information Facility

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REPORT E-1157

MONTHLY
TECHNICAL PROGRESS REPORT
PROJECT APOLLO GUIDANCE

AND
NAVIGATION PROGRAM

Period March 11, 1962

through
April 11, 1962

~~Declassify in 3 year intervals or reclassified after 12 years~~

INSTRUMENTATION LABORATORY

CAMBRIDGE 39, MASSACHUSETTS

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INTRODUCTION

The heavy schedule of meetings of special nature at MIT, at Downey, at Houston, as well as at several other locations, has precluded holding the regular Monthly Technical Meeting at MIT. In lieu of the Monthly Technical Report, a resume of the progress of the Apollo Guidance and Navigation Program is given.

PROGRESS REPORT

Approximately 60 percent of the new facility to house the Apollo Project has been made available to MIT. The Space Guidance Analysis Group and the Digital Computation Group, together with the MH - 800 Computer, have been located in their permanent quarters. Alterations now in progress will soon permit the occupancy by several design groups and technical laboratories. About 50 percent of the Administrative Group of the Project have also been temporarily relocated in this building. When the balance of the building has become available, and after suitable alterations have been made, the remaining Administrative and technical groups of the Project will then be moved into their permanent locations.

Development of the associated special facilities at the Bedford Flight Facility are progressing toward completion.

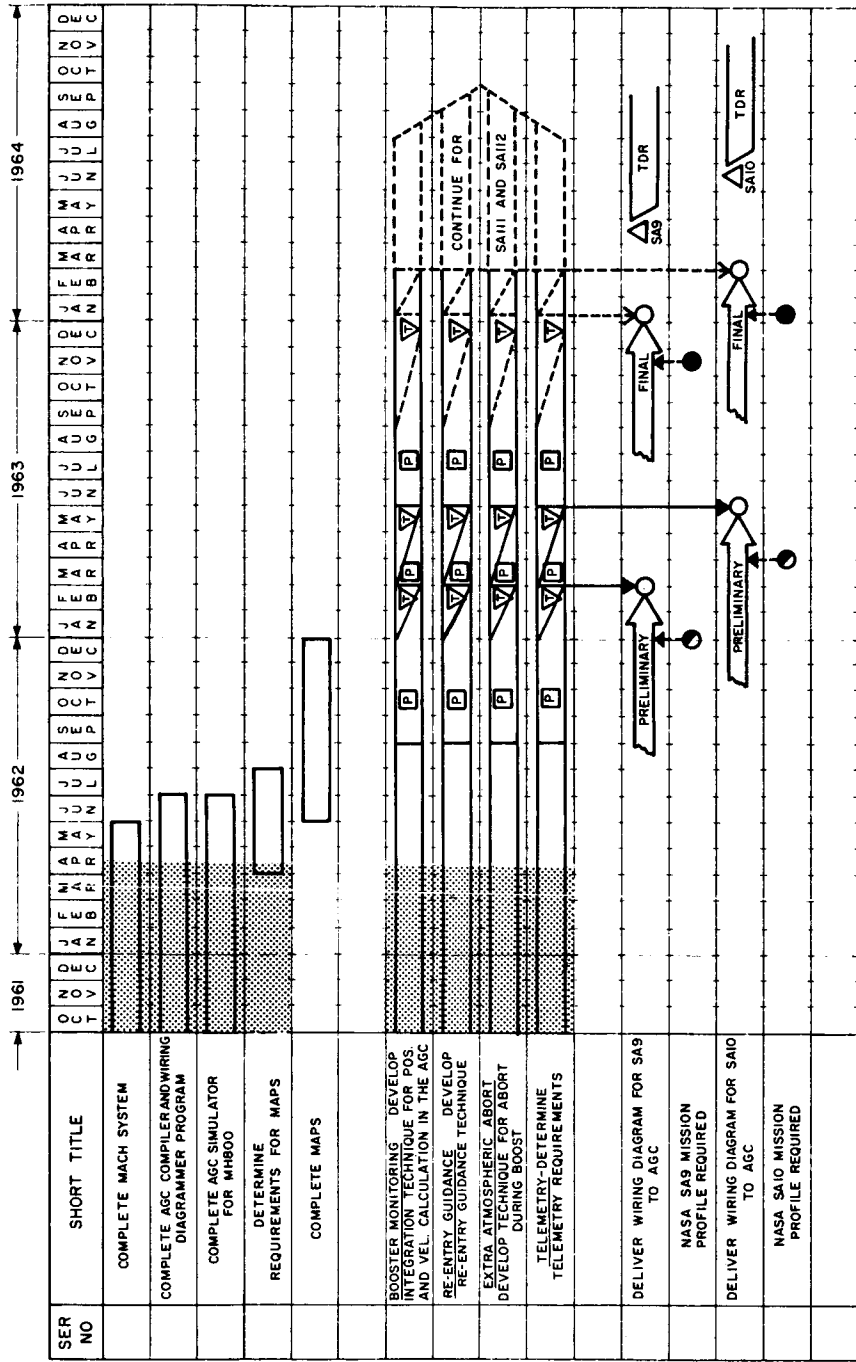
Several key personnel appointments have been made and the general personnel outlook is satisfactory.

Several Industrial Support Contracts have been awarded and liaison with MIT and S&ID has been established.

On the following pages are a series of bar graphs depicting the progress in general terms. The originals of these charts are in the Development Plan, Report E-1078; the same identifying numbers are used in this report for convenience in cross-reference. Report E-1078 will shortly be revised to reflect more recent decisions of schedules, assemblies, etc. Upon its republication the charts included herein will be changed to conform to these revisions.

Chart 1-4

APOLLO MILESTONE CHART FOR GUIDANCE THEORY & PROGRAMMING (EARTH ORBITAL MISSIONS)

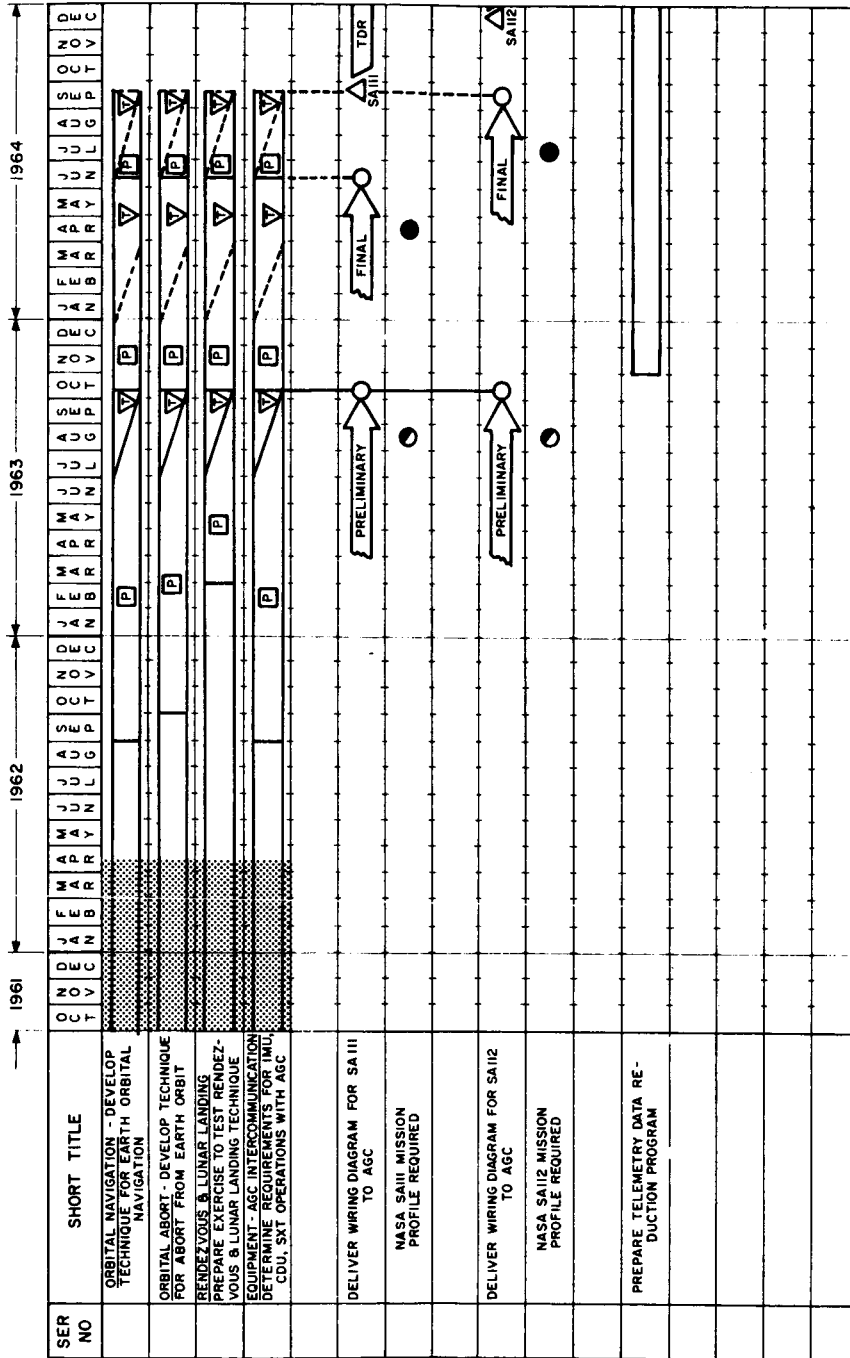


NOTE

- P PROGRAM FOR AGC
- T PREFLIGHT TEST
- PRELIMINARY
- FINAL
- APPROXIMATE TIME
- △ FLIGHT TEST
- DELIVERY DATE FOR WIRING DIAGRAM
- TDR TELEMETRY DATA REDUCTION

Chart 1-4

APOLLO MILESTONE CHART FOR GUIDANCE THEORY AND PROGRAMMING (EARTH ORBITAL MISSIONS), Continued

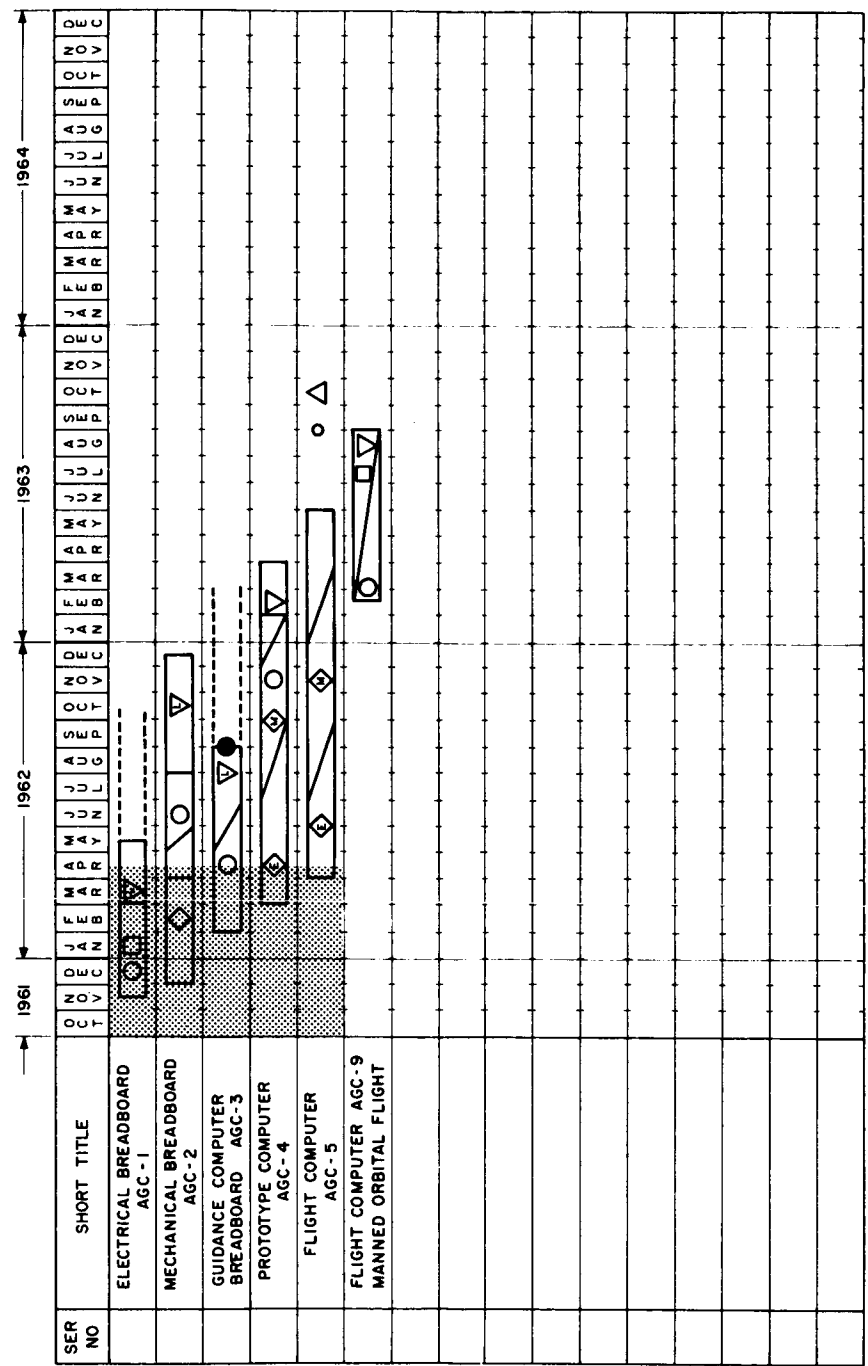


NOTE

- [P] PROGRAM FOR AGC
- [T] PREFLIGHT TEST WITH MAPS
- PRELIMINARY
- FINAL
- APPROXIMATE TIME
- △ FLIGHT TEST
- DELIVERY DATE FOR WIRING DIAGRAM
- TDR TELEMETRY DATA REDUCTION

Chart 2-19

APOLLO MILESTONE CHART FOR APOLLO GUIDANCE COMPUTER



- NOTE
- ◊ ELECTRICAL DESIGN
 - ◊ MECHANICAL DESIGN
 - ⊗ DESIGN EFFORT
 - ◐ PRELIM. DESIGN FREEZE
 - ◑ DESIGN FREEZE
 - ⊗ DESIGN RELEASE
 - ◼ REVISION TO DRAWINGS
 - PROCUREMENT
 - ◊ INSPECTION
 - ◻ ASSEMBLY
 - ◁ TEST
 - ◁ LAB TEST
 - ◁ FIELD TEST
 - DELIVERY DATE
 - ◁ FLIGHT TEST
 - (I.S.) INDUSTRIAL SUPPORT

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Chart 2-3

APOLLO MILESTONE CHART FOR IMU MECHANICAL DEVELOPMENT PLAN

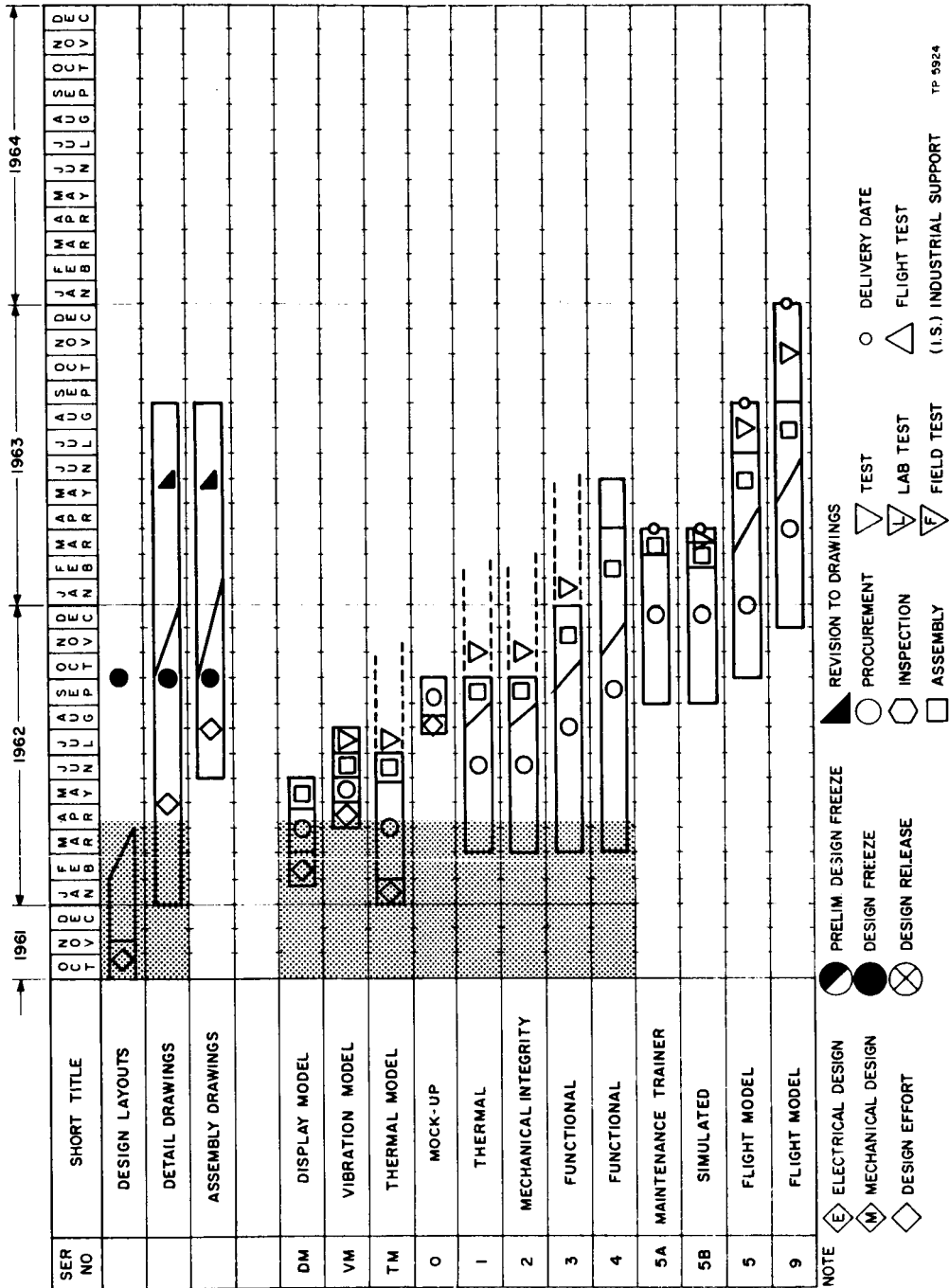
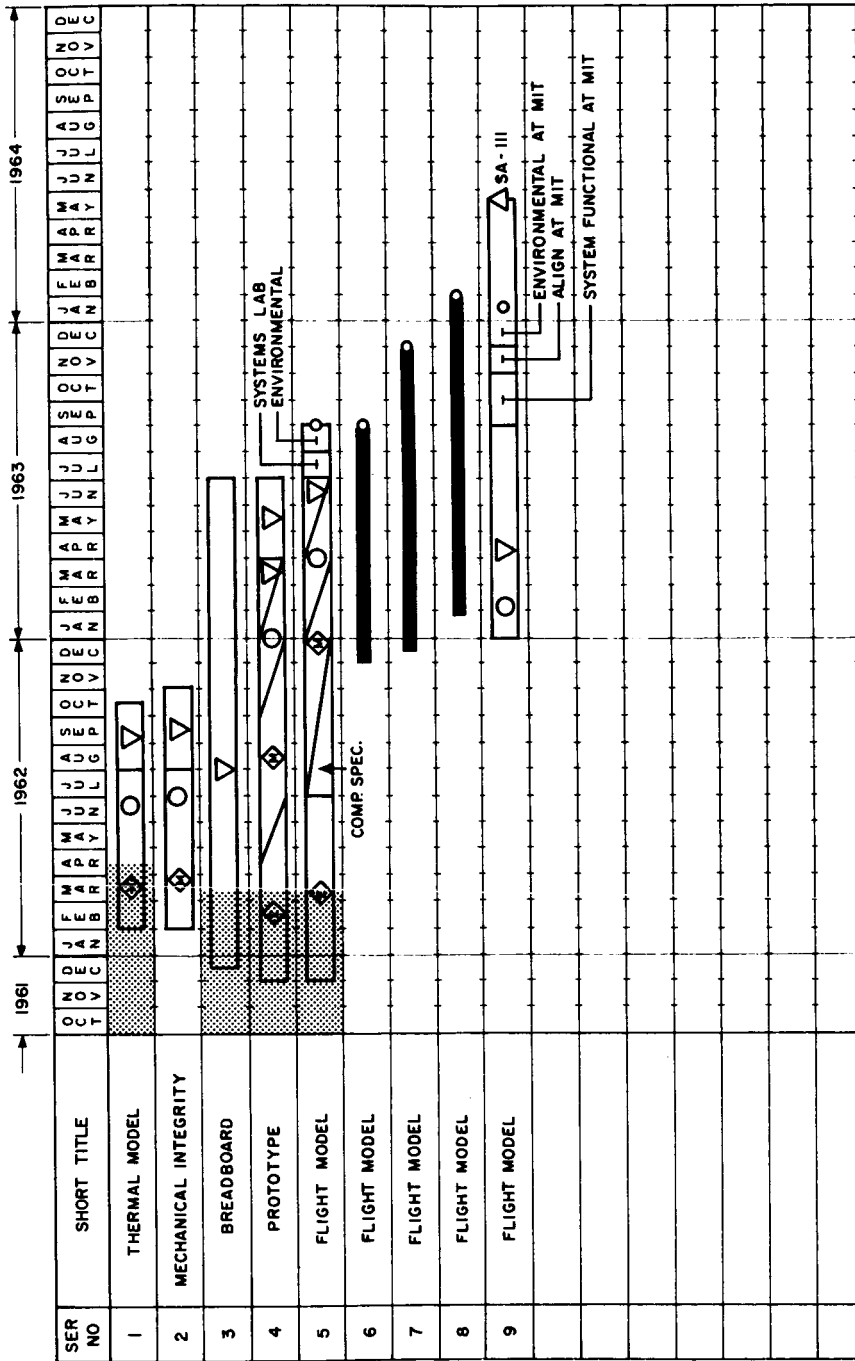


Chart 2-7

APOLLO MILESTONE CHART FOR POWER AND SERVO ASSEMBLY (PSA)



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Chart 2-4

APOLLO MILESTONE CHART FOR IMU - THERMAL CONTROL DEVELOPMENT PLAN

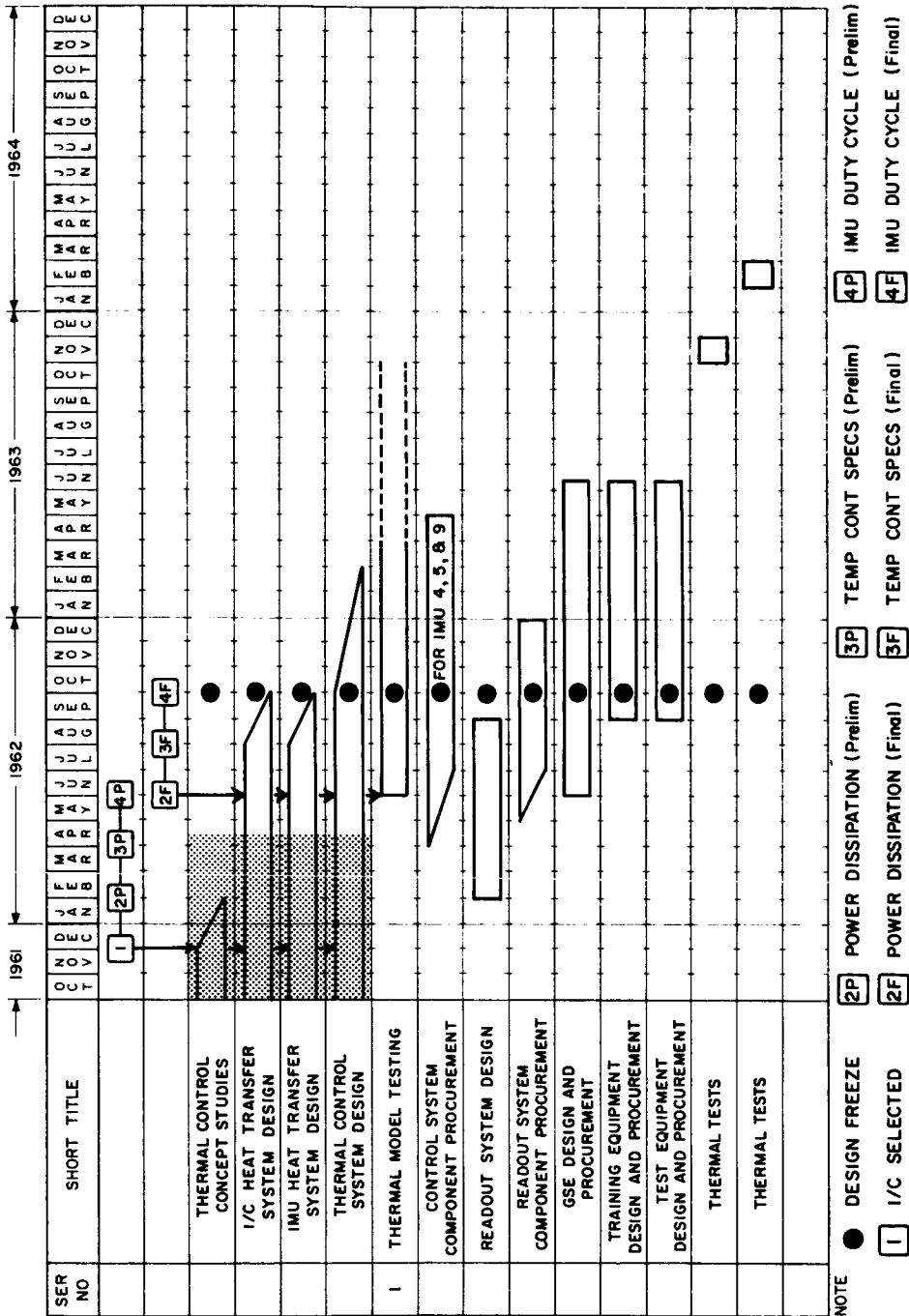
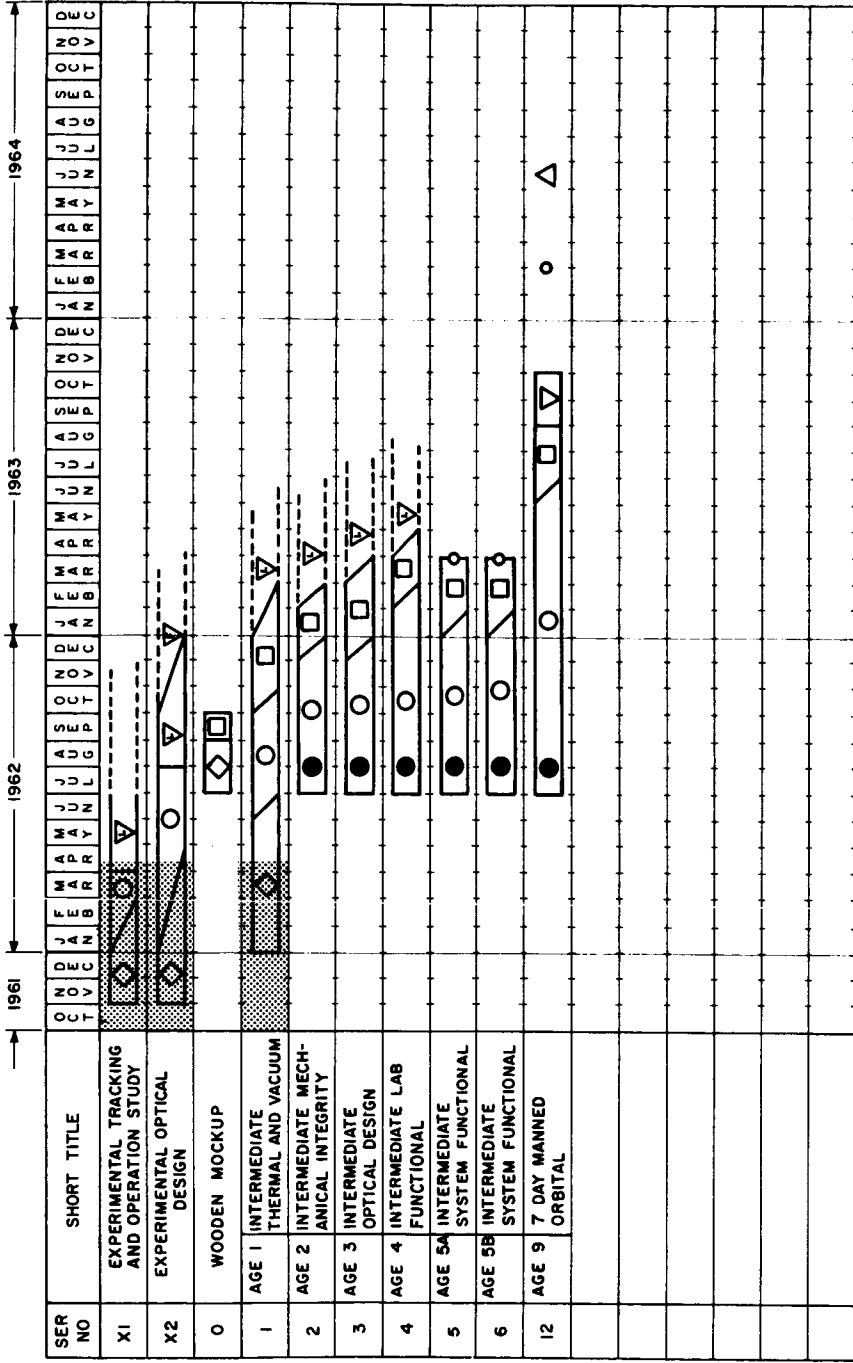


Chart 2-9

APOLLO MILESTONE CHART FOR SEXTANT



NOTE

	ELECTRICAL DESIGN		PRELIM DESIGN FREEZE		REVISION TO DRAWINGS		DELIVERY DATE
	MECHANICAL DESIGN		DESIGN FREEZE		TEST		FLIGHT TEST
	DESIGN EFFORT		DESIGN RELEASE		LAB TEST		INDUSTRIAL SUPPORT (I.S.)
					FIELD TEST		

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