d. System and Subsystem Requirements: volume, weight, controlling dimensions; power, environment control; stabilization control and accuracy; special handling; reliability and accuracy.

4. Development of a time ordered sequence for each major scientific instrument shown to be required with consideration of technology advancement requirements, funding development periods and prerequisite accomplishments.

5. Identification and assessment of the applicability of adapting present-day ground equipment and instrumentation for use in an Orbital Astronomy Support Facility.

6. Specification of the appropriate combination of scientific equipment that best satisfy the Astronomy/Astrophysics program objectives into three facility concepts.

7. Recommend configurations of the OASF for the time periods indicated in IV–6 that can operate with specific spacecraft, and assess the capability of each configuration for conduct of the Astronomy/Astrophysics program.

VII. Period of performance and reviews

A. *Period of Performance.*—All work required herein shall be completed within nine (9) months from date of contract.

B. *Reviews.*—1. The contractor shall visit MSFC, before beginning work, to discuss details of the work to be accomplished and the contractor's method of approach.

2. At the completion of approximately one-third of the contract period, the contractor shall give a presentation (at a location to be determined) on the work completed, and the work remaining, including the planned approach to be taken. Special emphasis should be placed on the work to be accomplished during the next reporting period. The purpose of this presentation is to inform MSFC personnel of the work being done by the contractor and to allow MSFC to comment on the approach being taken to insure that the desired results will be obtained.

3. At the completion of approximately two-thirds of the contract period, the contractor shall give a presentation (at a location to be determined) on the work accomplished, work remaining, and approach to be taken for the remainder of the study.

4. The contractor shall make final presentations at MSFC and NASA Headquarters at the completion of the study on dates agreed upon by MSFC and the contractor. These briefings will outline all work accomplished during the contract period, giving the study results and conclusions, as well as recommendations for further study.

VIII. Reports and visual aids

A. *Reports Required.*—1. The contractor will prepare a study plan developing in further detail the sequence of investigation to be conducted during the study. Each major step defined in this more detailed sequence will include objectives, expected results, approach to the solution, allocated man-hours, and data required from other sources. After approval of this plan by the COR, detailed analysis may begin.

2. Upon completion of the study, the contractor shall prepare and distribute, in accordance with a distribution list to be furnished by the COR, approximately 100 copies of the final report. This report shall consist of a minimum of two volumes: a "summary technical reports" limited to 20 pages and a "detailed technical report." The length of the detailed technical report should be proportional to the complexity of the study. The report should be comprehensive, i.e., include all significant data, but should also be concise. Include only significant and useful information; e.g., working papers, detailed calculations, etc., should not be reproduced in the report. This does not preclude referencing significant supporting data. Illustrations should be reduced as much as possible without sacrificing clarity and should be integrated into the text.

3. Upon completion of the study, the contractor shall prepare and distribute, in accordance with a distribution list to be furnished by the COR, approximately 100 copies of a "research and technology implications report" limited to 20 pages. It shall include a brief summary of the study covering the objectives and results. This report shall reflect the contractor's concerted effort to delineate those areas of research and technology wherein further efforts would be desirable based on