

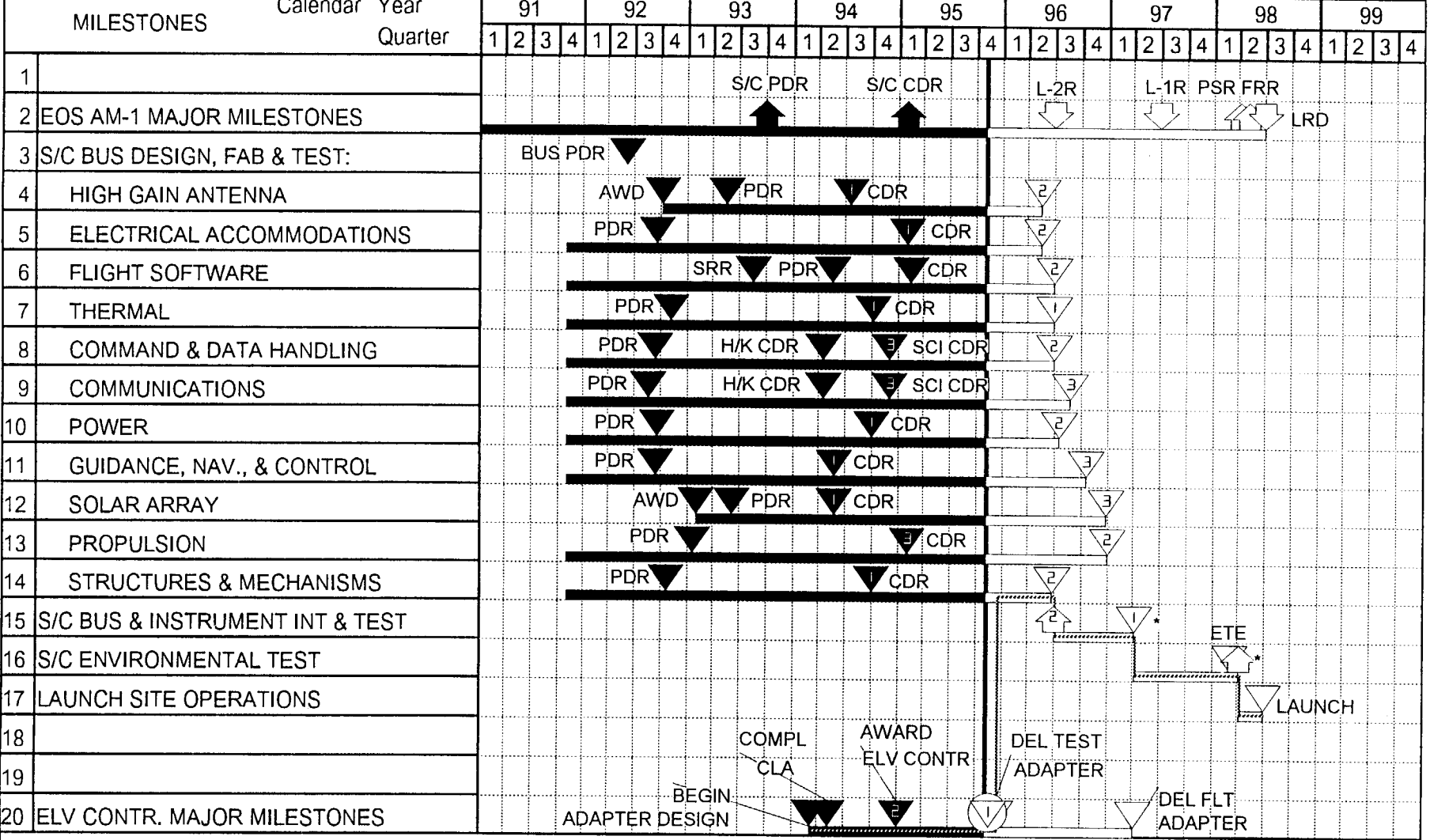
**EOS AM PROJECT STATUS**

**MODIS SCIENCE TEAM MEETING**

**NOVEMBER 15, 1995**

# OVERVIEW

- **DELIVERED FIRST CERES FLIGHT INSTRUMENT FOR TRMM**
  - BENCH ACCEPTANCE TEST SUCCESSFULLY COMPLETED AT GSFC
- **INSTRUMENT ENGINEERING MODEL TESTING ALMOST COMPLETED**
  - AM-1 INSTRUMENT SUBSYSTEMS BEING FABRICATED
- **SPACECRAFT ENGINEERING MODEL HARDWARE TESTING NEAR COMPLETION AND FLIGHT BOXES BEING DELIVERED**
  - ASSEMBLY OF SPACECRAFT PRIMARY STRUCTURE COMPLETED
- **INSTRUMENT-TO-SPACECRAFT INTERFACE TESTS PROCEEDING**
  - ASTER, MISR, AND MODIS TESTS COMPLETED WITH ENGINEERING MODELS
- **COMPLETED NAS REVIEW OF EOS**
  - ENDORSED FLIGHT SEGMENT PLANNING FOR FOLLOW-ON AND THE FIRST SERIES
- **COMPLETED CODE B INDEPENDENT ANNUAL REVIEW**



NOTE: \* 3 Month Schedule Contingency In Integration & Test

GODDARD SPACE FLIGHT CENTER  
 APPROVAL V. WEYERS  
 ACCOMP. C. SCOLESE

**MASTER SCHEDULE  
 EOS AM-1 SPACECRAFT**

ORIG. APPVL. 08/30/93  
 LAST CHANGE 10/31/95  
 STATUS AS OF 10/31/95

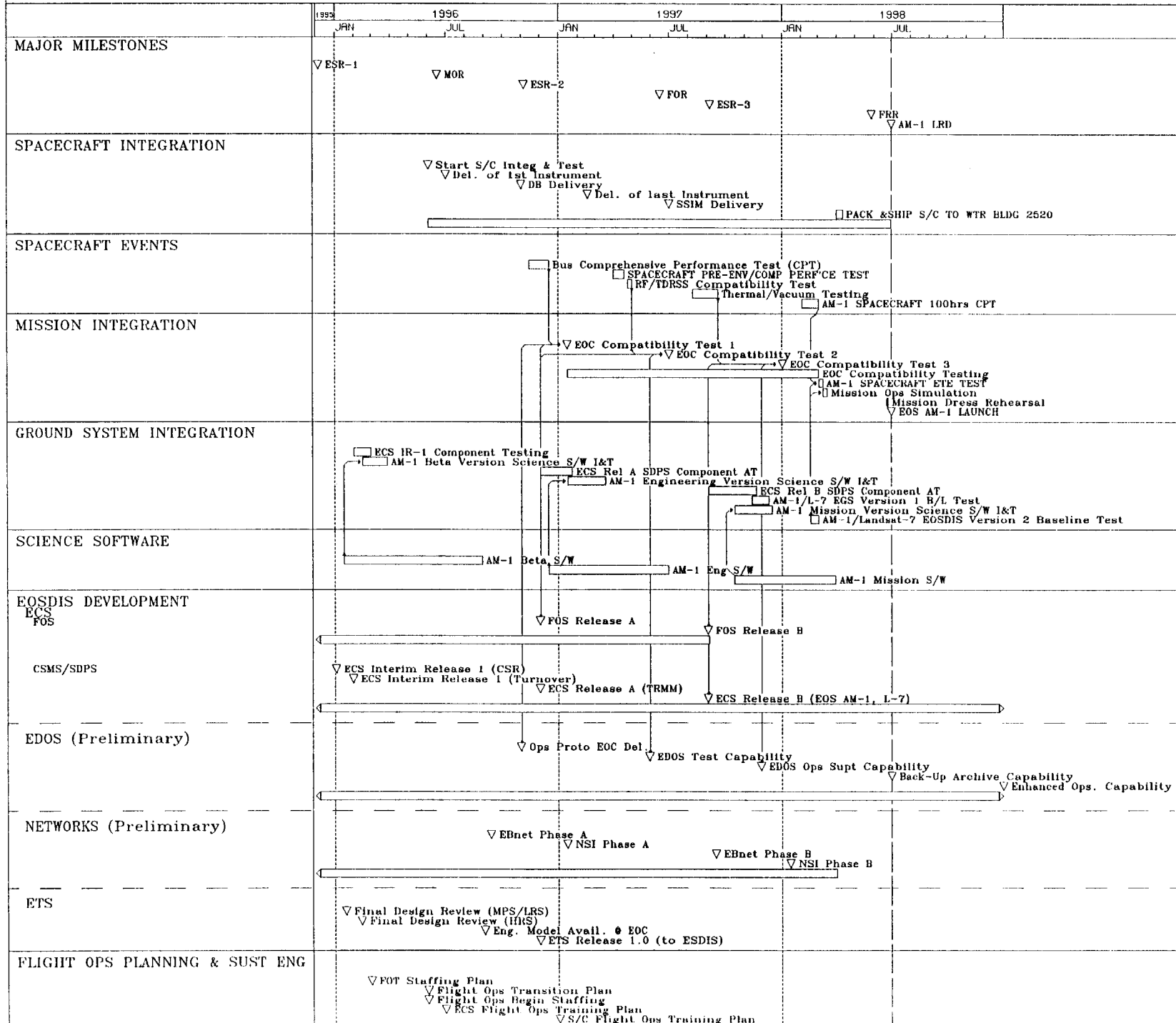
MILESTONES	Calendar Year Quarter	91				92				93				94				95				96				97				98				99			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
1	EOS AM-1 INSTRUMENTS:																																				
2	MODIS	AWD				PDR				CDR																											
3																																					
4	ASTER	AWD				PDR				INSTR				CDRs				I/F																			
5	SWIR DES, FAB, ASSY & TEST					PDR				CDR				E																							
6	TIR DES, FAB, ASSY & TEST					PDR				CDR				I																							
7	VNIR DES, FAB, ASSY & TEST					PDR				CDR				I																							
8	SYSTEM INTEGRATION & TEST																																				
9																																					
10	MOPITT					AWD				PDR				A CDR				E CDR																			
11																																					
12	CERES	AWD				PDR				CDR				B WA				SCAN#1				SCAN#2															
13																																					
14	MISR					PDR				EIP (draft)				CDR																							
15																																					
16																																					
17	SCIENCE ALG. DEV/MAINT (PRELIM)					PGS TOOL-KIT				ARV				ARV				B				ARV V1				ARV V2											
18																		ARV				B															
19	EOS ESDIS MAJOR MILESTONE																																				
20																																					

NOTE: \* 3 Month Schedule Contingency at JPL  
 for MISR Delivery

ARV - Algorithm Yearly Review

Legend: - Supporting - HQTR Controlled - Latest Comp. Date - Changed - Mgt. Assessed Comp. Date  
 - Slack - Critical Path - Program Master Milestones

# EOS AM-1 MISSION INTEGRATION SCHEDULE



# **NEW MISSION TO PLANET EARTH STUDY**

- **INITIATED OCTOBER 16, 1995, BY NASA ASSOCIATE DEPUTY ADMINISTRATOR (TECHNICAL)**
- **TO BE COMPLETED BY DECEMBER 20, 1995, WITH PRESENTATION TO ADMINISTRATOR**
- **FOCUS IS ON TECHNOLOGY AND COMMERCIALIZATION OPTIONS FOR ALL OF MTPE (FLIGHT AND GROUND SEGMENTS)**
- **STUDY CHAIRED BY MR. S. VENNERI, DIRECTOR OF SPACECRAFT SYSTEMS, NASA HQ, CODE X**
- **MTPE 1995 RESHAPE / NAS RESULTS BRIEFED TO STUDY TEAM - OCTOBER 30, 1995**
- **STUDY TEAM:**
  - MR. S. VENNERI, HQ, CODE X
  - MR. M. LUTHER, HQ, CODE Y
  - MR. G. PAULES, HQ, CODE Y
  - DR. G. ASRAR, HQ, CODE Y
  - MR. A. MONTASSER, HQ, CODE Y
  - DR. F. NADERI, JPL
  - MR. D. BRANNON, SSC
  - DR. M. RYSCHKEWITSCH, GSFC, CODE 704
  - DR. D. McLENNAN, GSFC, CODE 422
  - DR. M. KING, GSFC, CODE 900
  - MR. C. VANEK, GSFC, CODE 400

# SUMMARY

- **EMPHASIS OVER NEXT 6 MONTHS**
  - COMPLETE BUILD OF INSTRUMENT FLIGHT SUBSYSTEMS AND BEGIN INSTRUMENT INTEGRATION
  - COMPLETE MISR AND MOPITT ETM TESTING
  - COMPLETE QUALIFICATION OF FLIGHT STRUCTURE
  - CONTINUE ACCEPTANCE OF FLIGHT SPACECRAFT COMPONENTS
  - COMPLETE SPACECRAFT HIGH DATA RATE SUBSYSTEM TEST WITH ETMs
  
- **FINALIZE LAUNCH VEHICLE / SPACECRAFT INTERFACE CONTROL DOCUMENT**
  
- **COMPLETE SPACECRAFT INTERFACE SIMULATOR (SIS) TESTING WITH INSTRUMENT ENGINEERING MODELS**
  - UTILIZE SIS TEST LESSONS LEARNED TO FURTHER FLUSH-OUT DETAILS OF SPACECRAFT INTEGRATION AND TEST FLOW
  
- **CONTINUED EMPHASIS ON MEETING COST AND SCHEDULE COMMITMENTS**