

MANNED SPACE FLIGHT SCHEDULES

Volume VII

CONSTRUCTION OF FACILITIES

MSFC-Book 3-Michoud

VIII.4

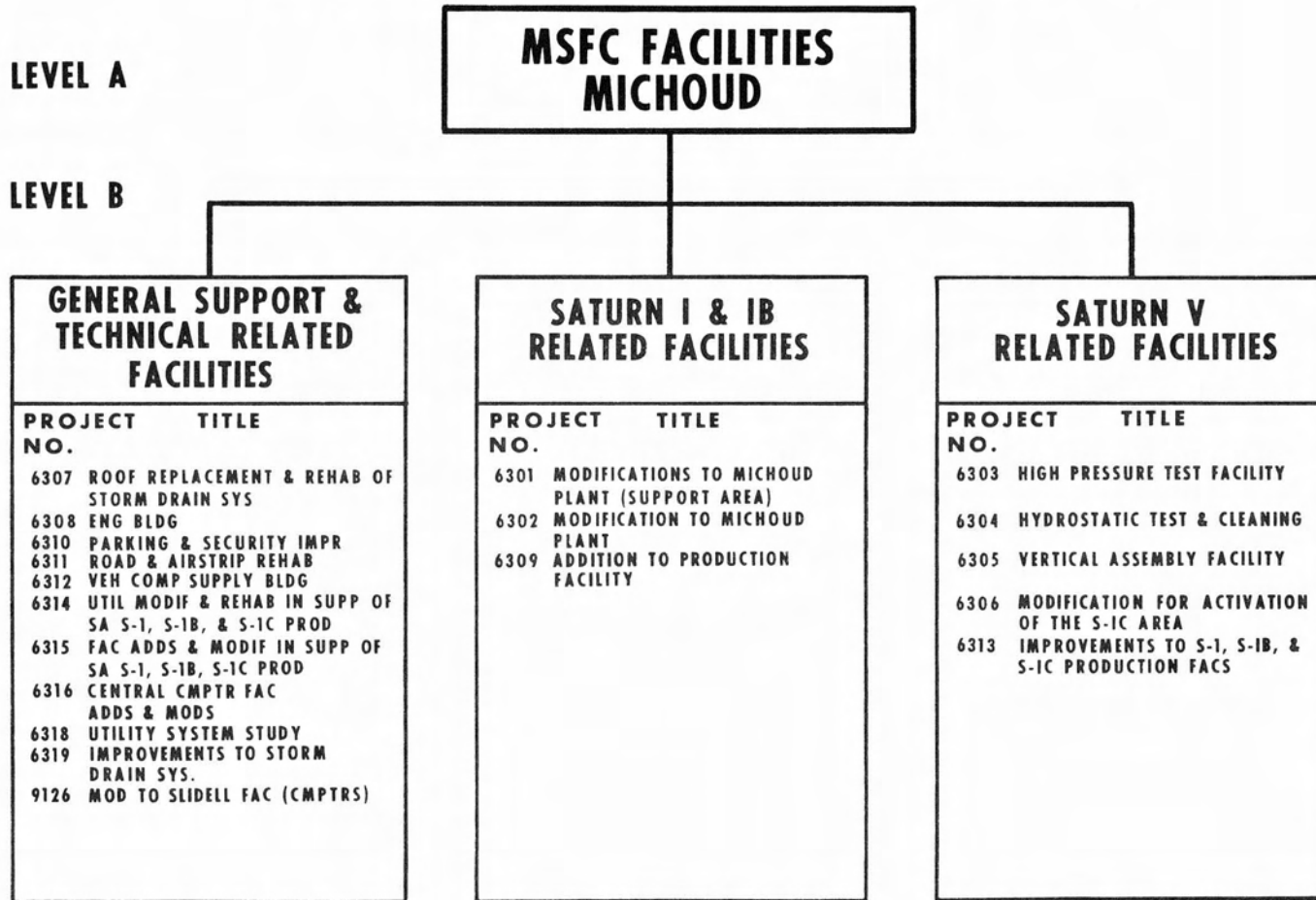


OMSF PROGRAM STATUS REVIEW OCTOBER 1965

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Document No. _____ Name _____

OMSF PROGRAM STATUS REVIEW PROGRAM SCHEDULE ROAD MAP



SCHEDULE RESPONSIBILITY _____

STATUS RESPONSIBILITY _____

**MANNED SPACE FLIGHT SCHEDULE
TABLE OF CONTENTS
VOLUME VII-FACILITIES
BOOK 3-MSFC-MICHoud PLANT**



ORIGINAL SCHED. APPROVAL _____ (Date)

LAST SCHED. CHANGE _____ (Date) (No.) (Initials)

STATUS AS OF _____ (Date) (Initials)

CONTRACTOR _____

PROJECT:
SCH'D NO _____

EDITION A

<u>Project No.</u>	<u>Title</u>	<u>Level</u>	<u>Page No.</u>	<u>Project No.</u>	<u>Title</u>	<u>Level</u>	<u>Page No.</u>
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6302	Modification to Michoud Plant	A	VII-3-1	6312	VEH Component Supply Building (FY-64)	A B	VII-3-2 VII-3-5
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6305	Vertical Assembly Facility	A	VII-3-1	6315	Facility Additions & Modification in Support S-I, S-IB & S-IC (FY-65)	A B	VII-3-2 VII-3-8
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6308	Engineering Building	A	VII-3-2	6319	Improvement to Storm Drainage (FY-66)	A B	VII-3-2 VII-3-10
6309	Addition to Production Facility (FY-64)	A B	VII-3-2 VII-3-4	9126	Modifications to Slidell (FY-63)	A	VII-3-2
6310	Parking & Security Imp (FY-64)	A	VII-3-2		MSFC - Michoud Funding Schedule	A	VII-3-2a
					MICHoud EXPLANATIONS	A	VII-3-2b

o Indicates Changes from Last Submission

* Indicates Deletion of a Milestone

** Indicates Addition of a Milestone

SCHEDULE SYMBOLS

MILESTONE SYMBOLS

⬆	SCHEDULED COMPLETION DATE-CONTROLLED MILESTONE
∇	SCHEDULED COMPLETION DATE-SUPPORTING MILESTONE
⬆	FIRST SCHEDULE REVISION-CONTROLLED MILESTONE*
∇	FIRST SCHEDULE REVISION-SUPPORTING MILESTONE*
⬆	ACTUAL COMPLETION DATE-CONTROLLED MILESTONE
∇	ACTUAL COMPLETION DATE-SUPPORTING MILESTONE
⬆	RESCHEDULING REQUEST-CONTROLLED MILESTONE
E	EXPECTED COMPLETION DATE
L	LATEST ALLOWABLE COMPLETION DATE
A	PROJECT (PROGRAM) MANAGERS' ASSESSMENT OF EXPECTED COMPL DATE
A E	EXPECTED AND ASSESSMENT DATES IDENTICAL
A E L	EXPECTED, LATEST ALLOWABLE & ASSESSMENT DATES IDENTICAL
E ⬆	SCHEDULED AND EXPECTED DATES IDENTICAL
E L ⬆	SCHEDULED, EXPECTED AND LATEST ALLOWABLE DATES IDENTICAL (CONTROLLED MILESTONE)**
E ∇	SCHEDULED AND EXPECTED DATES IDENTICAL (SUPPORTING MILESTONE)
E ∇ L	SCHEDULED, EXPECTED AND LATEST ALLOWABLE DATES IDENTICAL (SUPPORTING MILESTONE)**

USE OF SCHEDULE SYMBOLS IN CONJUNCTION WITH ACTIVITY BARS

ACTIVITY INITIATION

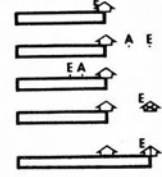
	PREDICTED INITIATION ON SCHEDULE
	PREDICTED LATE INITIATION
	PREDICTED EARLY INITIATION

ACTIVITY PROGRESS TOWARD COMPLETION - BASIC SCHEDULE

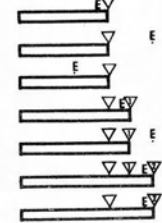
	ACTIVITY ON SCHEDULE
	ACTIVITY BEHIND SCHEDULE
	ACTIVITY AHEAD OF SCHEDULE
	PROGRESS AGAINST SCHEDULED DELIVERIES, TEST FIRINGS, ETC. (ON SCHEDULE)
	LATE INITIATION - BEHIND SCHEDULE
	EARLY INITIATION - AHEAD OF SCHEDULE
	BEHIND SCHEDULE - FOUR CUMULATIVE DELIVERIES
	AHEAD OF SCHEDULE - SEVEN CUMULATIVE DELIVERIES

* THE 2 FOR 2ND RESCHEDULING, 3 FOR 3RD RESCHEDULING ETC.
 ** SHOWN IN CONJUNCTION WITH A MILESTONE RESCHEDULED TWICE.

CONTROLLED MILESTONES



SUPPORTING MILESTONES



ACTIVITY OR EVENT COMPLETION

	PREDICTED COMPLETION ON SCHEDULE
	PREDICTED LATE COMPLETION WITH PROJECT MANAGERS' ASSESSMENT
	PREDICTED EARLY COMPLETION WITH PROJECT MANAGERS' ASSESSMENT
	PREDICTED LATE COMPLETION WITH PROJECT MANAGERS' REQUEST FOR RESCHEDULING
	RESCHEDULING REQUEST APPROVED, FIRST SCHEDULE REVISION. PREDICTED COMPLETION ON SCHEDULE

	PREDICTED COMPLETION ON SCHEDULE
	PREDICTED LATE COMPLETION (PROJECT MANAGERS' ASSESSMENT OPTIONAL)
	PREDICTED EARLY COMPLETION
	FIRST SCHEDULE REVISION-PREDICTED COMPLETION ON SCHEDULE
	FIRST SCHEDULE REVISION-PREDICTED LATE COMPLETION
	SECOND SCHEDULE REVISION-FIRST MONTH SUBMISSION
	SECOND SCHEDULE REVISION-2ND MONTH SUBMISSION

RANDOM SITUATIONS

(E AND A SYMBOLS HAVE BEEN OMITTED IN PORTRAYING RANDOM SITUATIONS)

PREDICTED LATE INITIATION & LATE COMPLETION

	CONDITION "A"-PROPOSED
	CONDITION "A"-ACCEPTED
	CONDITION "B"-PROPOSED (PREDICTED INITIATION LATER THAN SCHEDULED COMPLETION)
	CONDITION "B"-ACCEPTED

PREDICTED EARLY INITIATION & EARLY COMPLETION

	CONDITION "C"-PROPOSED
	CONDITION "C"-ACCEPTED
	CONDITION "D"-PROPOSED (PREDICTED COMPLETION EARLIER THAN SCHEDULED INITIATION)
	CONDITION "D"-ACCEPTED

NEW PREDICTED COMPLETION DATE

	EXISTING SCHEDULE	GRAPH CURVES
	PROPOSED	----- PLANNED
	ACCEPTED	————— ACTUAL
	 CURVE ESTIMATE

USE OF "LATEST ALLOWABLE" DATE SYMBOL

	KEY MILESTONE - PREDICTED EARLY COMPLETION
	SUPPORTING MILESTONE - PREDICTED LATE COMPLETION
	CONSTRAINT - CONTROLLED MILESTONE - PREDICTED LATE COMPLETION

MILESTONES		CY 1962					CY 1963					CY 1964					CY 1965					CY 1966																																					
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
1	6301- MODIFICATION TO MICHOU D PLANT (FY-62)	[Bar from Jan 1962 to Jun 1963]																																																									
2	6302- MODIFICATION TO MICHOU D PLANT (FY-62-63)						[Bar from Jan 1963 to Jun 1964]																																																				
3	START FAB S-I-8						▲																																																				
4	START ASSY S-I-8						▲																																																				
5	START CHECKOUT S-I-8											▲																																															
6	SHIP S-I-8 TO KSC											▲																																															
7	(A) S-I AREA	[Bar from Jan 1962 to Jun 1963]																																																									
8	(B) S-IC AREA						[Bar from Jan 1963 to Jun 1964]																																																				
9	(C) SUPPORT AREA	[Bar from Jan 1962 to Jun 1963]																																																									
10	6303- HIGH PRESSURE TEST FACILITY (FY-62-63)						PHASE I					PHASE II																																															
11	6304- HYDROSTATIC TEST & CLEANING FACILITY (FY-62-63)	[Bar from Jan 1962 to Jun 1963]																																																									
12	START HYDROSTATIC TEST OF S-IC-D FUEL TANK																▲																																										
13	6305- VERTICAL ASSEMBLY FACILITY (FY-62-63)	[Bar from Jan 1962 to Jun 1963]																																																									
14	START ASSEMBLY IN TOWER S-IC-D																▲																																										
15	6306- MODIFICATION FOR ACT OF THE S-IC AREA (FY-62-63)	[Bar from Jan 1962 to Jun 1963]																																																									
16	START FABRICATION AND ASSEMBLY S-IC-D											▲																																															
17	START CHECKOUT S-IC-D																▲																																										
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19																																																											
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NOTES																																																											

SEP - FORM 12750-10-62 (REV 12-63)

SCHEDULE RESPONSIBILITY Dr. Werner von Braun

STATUS RESPONSIBILITY J. R. Lada
J. R. Lada

MANNED SPACE FLIGHT SCHEDULE
MSFC-MICHOUD
CONSTRUCTION OF FACILITIES
FUNDING SCHEDULE

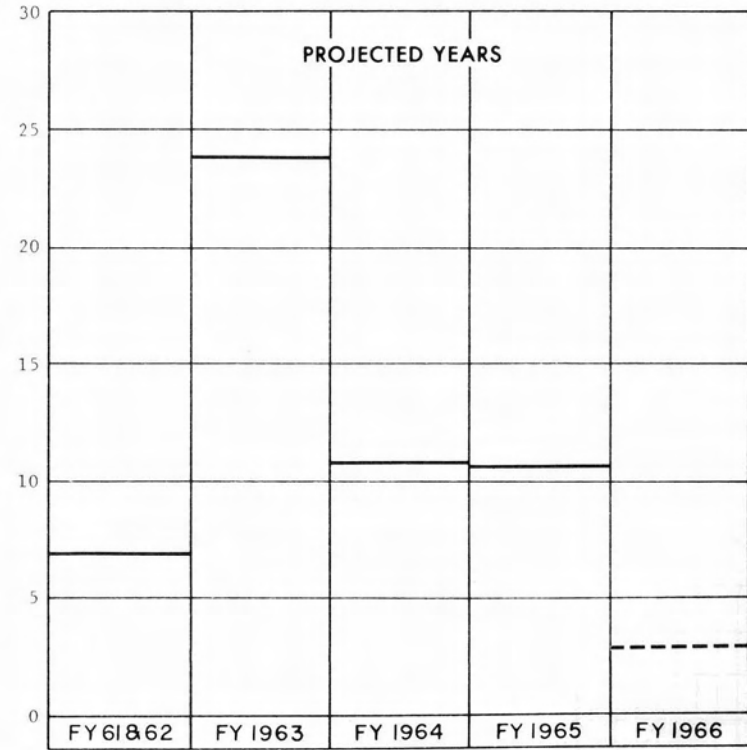
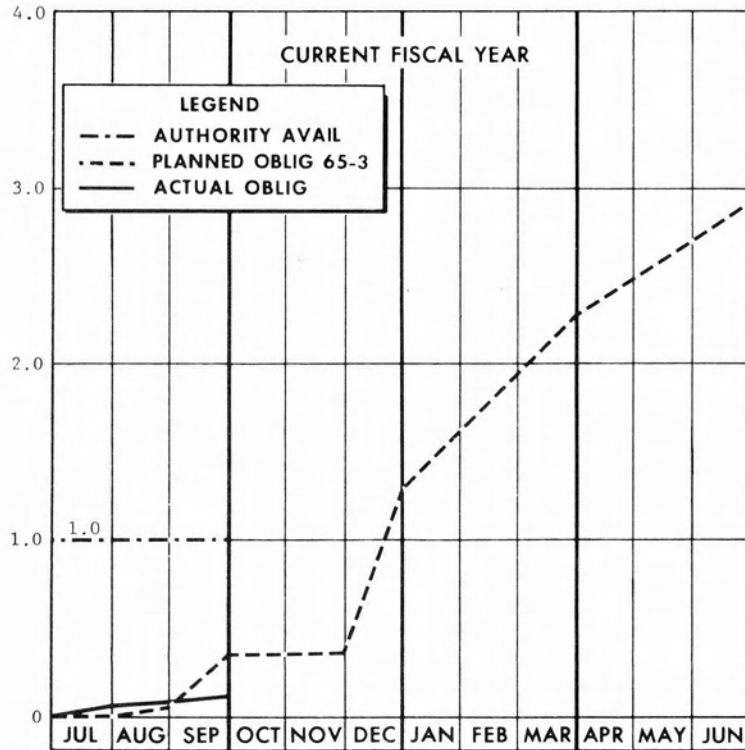


ORIGINAL SCHED. APPROVAL _____ (Date)
LAST SCHED. CHANGE 9/30/65 (Date) (24)
STATUS AS OF 9/30/65 (Date) (Initials)

CONTRACTOR

PROJECT:
SCH'D NO: A-6400-3/24

OBLIGATIONS (IN MILLIONS)



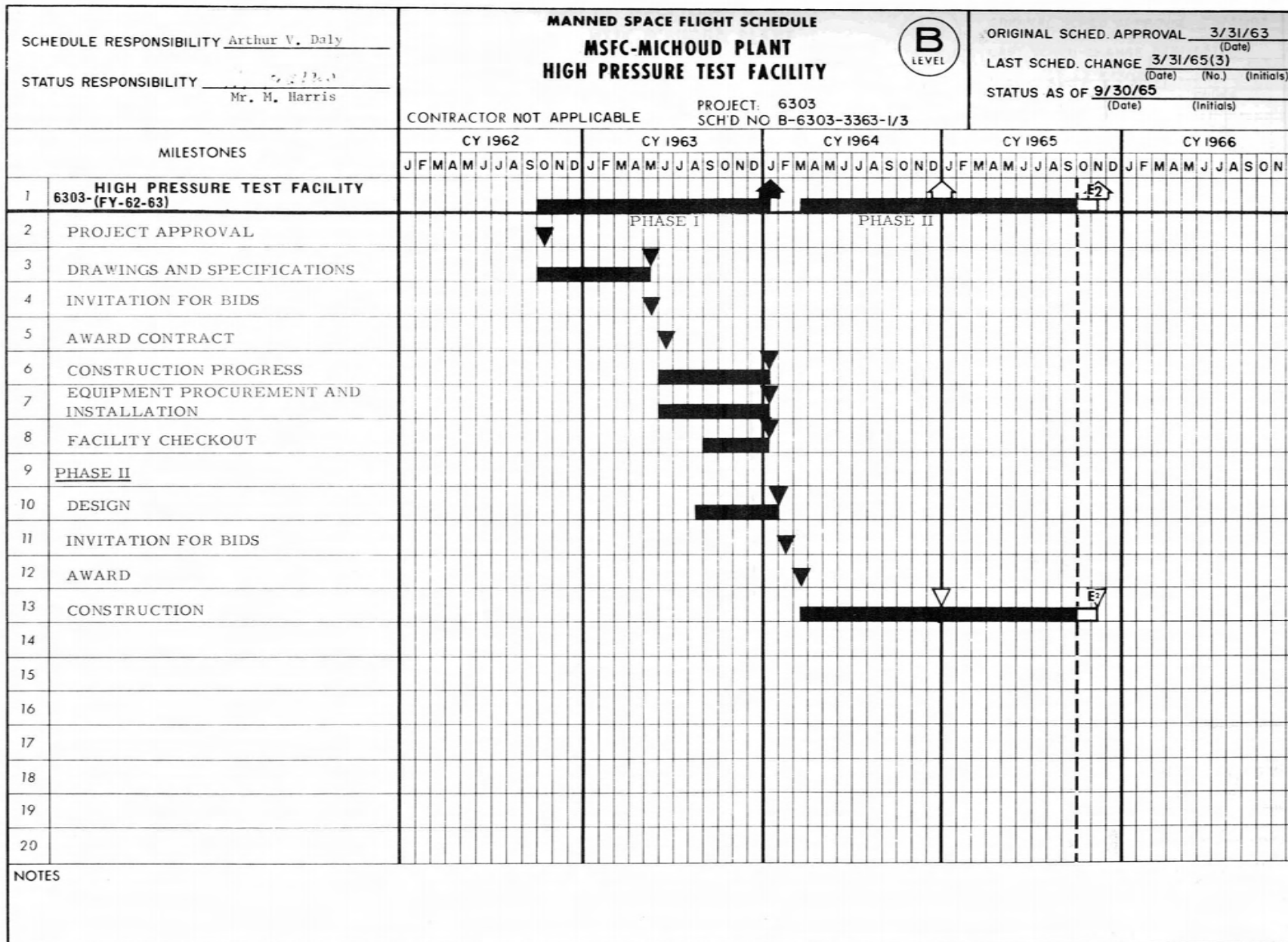
PLANNED	0	.072	.358	0	0	1.296				2.289			2.923
ACT./EST.	.057	.087	.111										
PLANNED	0	.072	.286	0	0	.938				.993			.634
ACT./EST.	.057	.030	.024										

PLANNED				2,923,000
ACT./EST.	6,885,000	23,889,000	10,787,000	10,687,000
PLANNED				55,171,000
ACT./EST.	6,885,000	30,774,000	41,561,000	52,248,000

NOTES

SCHEDULE RESPONSIBILITY _____ STATUS RESPONSIBILITY _____	MANNED SPACE FLIGHT SCHEDULE MSFC-MICHOUD EXPLANATIONS	○ LEVEL	ORIGINAL SCHED. APPROVAL _____ (Date) LAST SCHED. CHANGE _____ (Date) (No.) (Initials) STATUS AS OF _____ (Date) (Initials)
CONTRACTOR		PROJECT: SCH'D NO	

	<u>PROJECT</u>	<u>AMOUNT OF VARIANCE</u> (In Millions)	<u>REMARKS</u>
6309	Addition to Prod. Fac's (FY-64)	.178	\$63,338 obligated September, but not recorded. \$114,662 contract award delayed because additions and modifications are not needed until 3rd quarter.
6311	Road and Airstrip Rehab. (FY-64)	.035	Contingency rescheduled
6312	Vehicle Component Bldg. (FY-64)	.020	Contingency rescheduled



MILESTONES		CY 1962												CY 1963												CY 1964												CY 1965												CY 1966											
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1	6309- ADDITION TO PRODUCTION FACILITIES →																																																												
2	DESIGN																																																												
3	CONSTRUCTION																																																												
4	(A) MODIFICATION TO STEAM PLANT																																																												
5	(B) MEZZANINE CAFETERIA																																																												
6	(C) WEST MASTER SUB-STATION																																																												
7	(D) ADDITION & MODIFICATION TO S-IB & S-IC FACILITIES																																																												
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MANNED SPACE FLIGHT SCHEDULE
MSFC-MICHOUD PLANT
ADDITIONS TO PRODUCTION FACILITIES

PROJECT: 6309
 SCH'D NO B-6309-3163-1/3

CONTRACTOR NOT APPLICABLE



ORIGINAL SCHED. APPROVAL 3/31/63
 (Date)

LAST SCHED. CHANGE 1/31/65(3)
 (Date) (No.) (Initials)

STATUS AS OF 9/30/65
 (Date) (Initials)

SCHEDULE RESPONSIBILITY <u>Arthur V. Daly</u> STATUS RESPONSIBILITY <u>Mr. M. Harris</u>		MANNED SPACE FLIGHT SCHEDULE MSFC-MICHOUD PLANT IMPROVEMENTS TO S-1, S-1B & S-1C PRODUCTION FACILITIES					ORIGINAL SCHED. APPROVAL <u>5/31/64</u> <small>(Date)</small> LAST SCHED. CHANGE <u>3/31/65 (3)</u> <small>(Date) (No.) (Initials)</small> STATUS AS OF <u>9/30/65</u> <small>(Date) (Initials)</small>																			
MILESTONES		CONTRACTOR NOT APPLICABLE					PROJECT: 6313 SCH'D NO B-6313-3363-1/3																			
		CY 1964					CY 1965					CY 1966					CY 1967					CY 1968				
		J F M A M J J A S O N D					J F M A M J J A S O N D					J F M A M J J A S O N D					J F M A M J J A S O N D					J F M A M J J A S O N D				
1	IMPROVEMENTS TO S-1, S-1B & 6313- S-1C PRODUCTION FAC →																									
2	(A) TANK REPAIR STATION *																									
3	(B) OVERHEAD CRANES (FY-65) *																									
4	PROCURE AND INSTALL EQUIPMENT *																									
5	CHECKOUT AND ACCEPTANCE *																									
6	(C) TOOLING FOUNDATIONS (FY-65) *																									
7	DESIGN AND CONSTRUCTION *																									
8	INSTALLATION & CHECKOUT *																									
9																										
10																										
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SCHEDULE RESPONSIBILITY <u>Arthur V. Daly</u> STATUS RESPONSIBILITY <u>M. Harris</u> Mr. M. Harris	MANNED SPACE FLIGHT SCHEDULE MSFC-MICHOUD PLANT UTILITY MODIF & REHAB IN SUPP S-I, S-IB & S-IC PRODUCTION (FY-65) PROJECT: 6314 SCH'D NO B-6314-3363-1/2	ORIGINAL SCHED. APPROVAL <u>5/31/64</u> <small>(Date)</small> LAST SCHED. CHANGE <u>3/31/65 (2)</u> <small>(Date) (No.) (Initials)</small> STATUS AS OF <u>9/30/65</u> <small>(Date) (Initials)</small>
MILESTONES	CONTRACTOR	
	CY 1962 CY 1963 CY 1964 CY 1965 CY 1966 J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D	
1	6314- UTILITY MODIF & REHAB IN SUPPS-1, S-1B & S-1C PRODFY-65 →	
2	PROJECT APPROVAL	
3	CRITERIA & DESIGN	
4	CONSTRUCTION	
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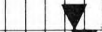


MILESTONES		CY 1964					CY 1965					CY 1966					CY 1967					CY 1968																																							
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1	6315- FAC ADDITIONS & MODIF IN SUPP S-I, S-IB & S-IC →	████████████████████					████████████████████					████████████████████																																																	
2	ALTERATION TO BOOSTER HANGAR						████████████████████					████████████████████																																																	
3	SITE PREPARATION ROADWAY & PAVING						████████████████████					████████████████████																																																	
4	CONTRACTOR SERVICE BUILDING						████████████████████					████████████████████																																																	
5	EXTENSION TO MARINE DOCK						████████████████████					████████████████████																																																	
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MANNED SPACE FLIGHT SCHEDULE
 MSFC-MICHOUD PLANT
 FACILITY ADDITIONS & MODIFICATIONS IN
 SUPPORT SATURN S-I, S-IB & S-IC

B
LEVEL

ORIGINAL SCHED. APPROVAL 3/31/63
 (Date)
 LAST SCHED. CHANGE 6/30/65 (6)
 (Date) (No.) (Initials)
 STATUS AS OF 9/30/65
 (Date) (Initials)

CONTRACTOR NOT APPLICABLE PROJECT: 6315
 SCH'D NO B-6315-3363-1/6

SCHEDULE RESPONSIBILITY <u>Arthur V. Daly</u> STATUS RESPONSIBILITY <u>Mr. M. Harris</u>		MANNED SPACE FLIGHT SCHEDULE MSFC-MICHOUD PLANT ADDITIONS AND MODIFICATIONS TO COMPUTER FACILITY				ORIGINAL SCHED. APPROVAL <u>5/31/64</u> <small>(Date)</small> LAST SCHED. CHANGE <u>3/31/65 (2)</u> <small>(Date) (No.) (Initials)</small> STATUS AS OF <u>9/30/65</u> <small>(Date) (Initials)</small>																																																							
		CONTRACTOR NOT APPLICABLE			PROJECT: 6316 SCH'D NO B-6316-3363-1/2																																																								
MILESTONES		CY 1962		CY 1963		CY 1964		CY 1965		CY 1966																																																			
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1	6316-CENTRAL COMPUTER FACILITY ADDITIONS & MODIF FY-65 →																																																												
2	PROJECT APPROVAL																																																												
3	DESIGN																																																												
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