

MANNED SPACE FLIGHT SCHED

Volume III

LAUNCH VEHICLES

Book 1 - Saturn I

SATURN HISTORY DOCUMENT
University of Alabama Research Institute
History of Science & Technology Group

Date ----- Doc. No. -----



OMSF PROGRAM STATUS REVIEW AUGUST 1965

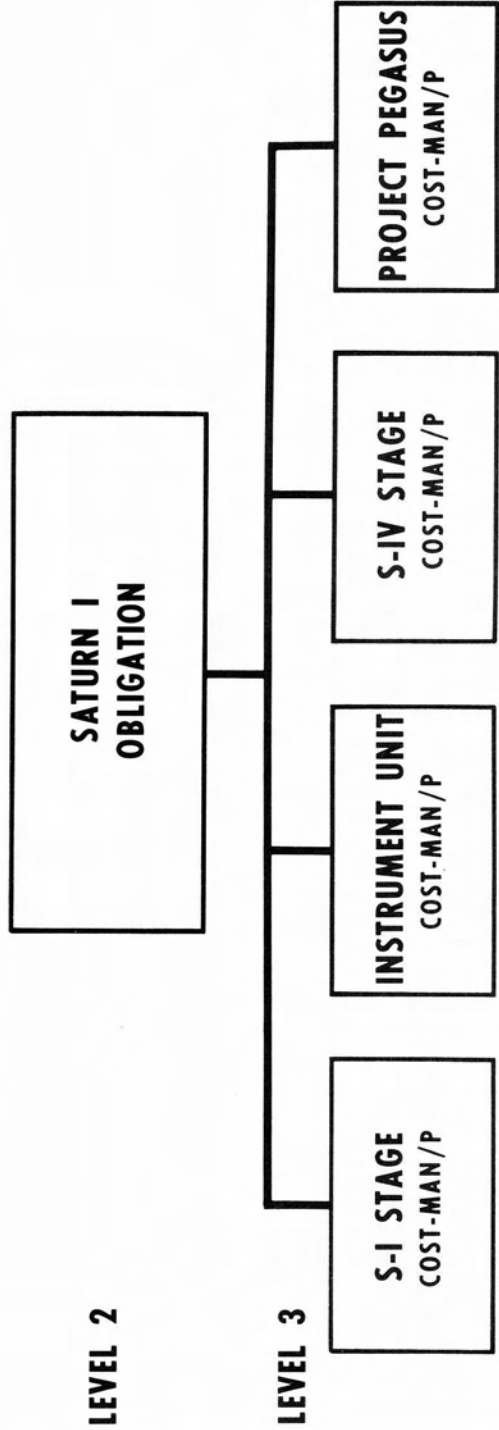
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OMSF PROGRAM STATUS REVIEW PROGRAM SCHEDULE ROAD MAP



MANNED SPACE FLIGHT SCHEDULE
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 VOLUME III-LAUNCH VEHICLES
 BOOK I-SATURN I

STATUS AS OF 7/31/65
 (Date)

EDITION A

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		<u>SATURN I LAUNCH VEHICLE</u>				<u>INSTRUMENT UNIT</u>	
2	310000-3a	* Launch Vehicle Obligations	III-1-1a	3	313500-4a	* Direct Civil Service Manhours	III-1-6a
2	310000-3b	* Launch Vehicle Obligations	III-1-1b			PROJECT PEGASUS	
2		Hardware Quantities	III-1-2			<u>METEOROID TECHNOLOGY SATELLITE</u>	
2		Hardware Identification	III-1-3			Obligations, Cost and Manpower	III-1-7a
		<u>S-I STAGE</u>				(a) Pegasus (FHC)	III-1-7b
3		Obligations, Cost and Manpower		3		(b) Pegasus (FHC)	
3		(a) S-I Stage Contractor	III-1-4a	3			
3		(b) S-I Stage Contractor	III-1-4b				
3	313100-4a	* Direct Civil Service Manhours	III-1-4c				
		<u>S-IV STAGE</u>					
3		Obligations, Cost and Manpower					
3		(a) S-IV Stage Contractor	III-1-5a				
3		(b) S-IV Stage Contractor	III-1-5b				

* INDICATES CHANGES FROM LAST SUBMISSION

MANNED SPACE FLIGHT SCHEDULE

**SATURN I LAUNCH
VEHICLE OBLIGATIONS**

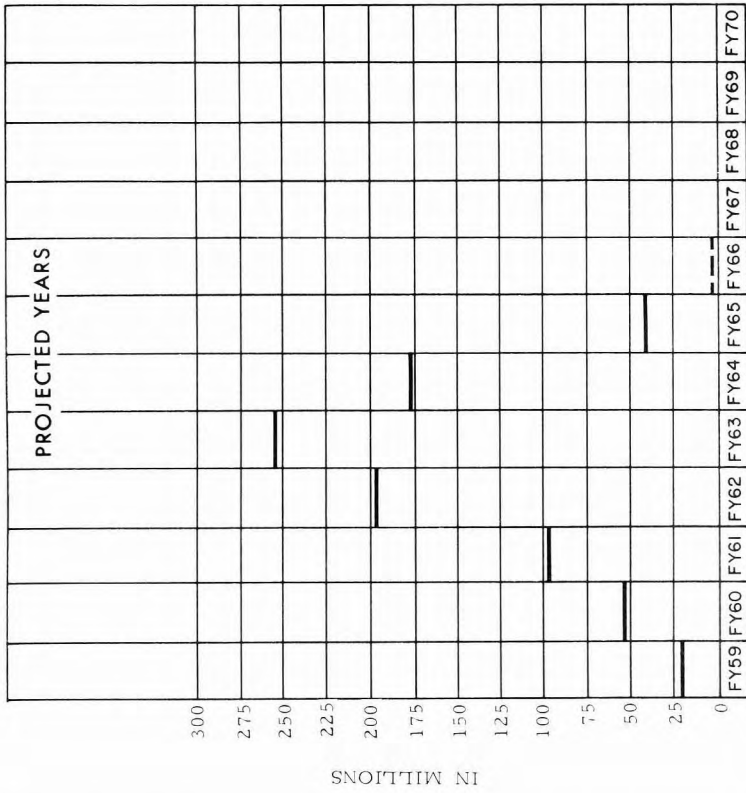
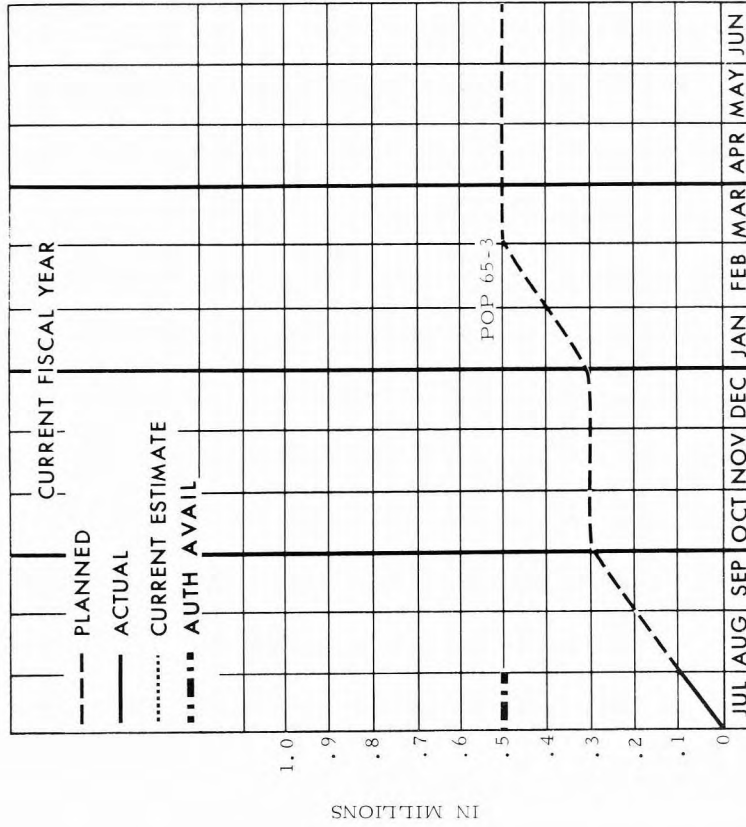
ORIGINAL SCHED. APPROVAL 2/28/63 (Date)
 LAST SCHED. CHANGE 1/31/65 (10) (No.) (Initials)
 STATUS AS OF 7/31/65 (Date) (Initials)

2 LEVEL

PROJECT: SATURN I
 SCH'D NO: 2-310000-3a/10

CONTRACTOR: NOT APPLICABLE

SCHEDULE RESPONSIBILITY *Werner von Braun*
 STATUS RESPONSIBILITY *Werner von Braun*
 Werner von Braun
 Lie S. J. J. J.



Month	Planned Act./Est.	Planned Act./Est.
JUL	.1	.1
AUG	.2	.1
SEP	.3	.1
OCT	.3	0
NOV	.3	0
DEC	.3	0
JAN	.4	.1
FEB	.5	.1
MAR	.5	0
APR	.5	0
MAY	.5	0
JUN	.5	0

Fiscal Year	Planned Act./Est.	Planned Act./Est.
FY59	20.4	20.4
FY60	53.7	53.7
FY61	97.4	97.4
FY62	198.0	198.0
FY63	255.1	255.1
FY64	1178.1	1178.1
FY65	35.1	35.1
FY66	838.3	838.3
FY67	20.4	20.4
FY68	74.1	74.1
FY69	171.5	171.5
FY70	369.5	369.5

NOTES

SCHEDULE RESPONSIBILITY Wernher von Braun
 STATUS RESPONSIBILITY Lee B. Jamgo
 Lee B. Jamgo

MANNED SPACE FLIGHT SCHEDULE
SATURN I LAUNCH VEHICLE
OBLIGATIONS (IN MILLIONS)
 PROJECT: SATURN I
 SCH'D NO: Z-310000-3b/10

CONTRACTOR: NOT APPLICABLE

ORIGINAL SCHED. APPROVAL 2/28/63
 (Date)
 LAST SCHED. CHANGE 1/31/65 (10)
 (Date) (No)
 STATUS AS OF 7/31/65 (initials)
 (Date) (initials)

2
 LEVEL

PLANNED TOTAL OBLG AT COMPL

PROGRAM OR PROJECT ELEMENT	TOTAL OBLIGATIONS PRIOR FY	PLANNED OBLG TO DATE CURRENT FY	ACTUAL OBLG TO DATE CURRENT FY	PLANNED TOTAL OBLG CURRENT FY	PLANNED TOTAL OBLG AT COMPL
S-I STAGE	353,925	0	0	0	353,925
S-IV STAGE	235,199	0	0	0	235,199
INSTRUMENT UNIT	55,828	0	0	0	55,828
GSE	40,076	0	0	0	40,076
H-1 ENGINE	45,266	0	0	0	45,266
RL-10 ENGINE	33,250	0	0	0	33,250
VEHICLE SUPPORT	74,218	.061	.059	.500	74,718
TOTAL PROJECT	837,762 <u>L</u>	.061	.059	.500	838,262 <u>L</u>

NOTES:
L REVISED IN ACCORDANCE WITH POP 65-3.
L TOTAL OBLIGATIONS PRIOR FISCAL YEARS INCLUDE 78,952 ARPA FUNDS.

SCHEDULE RESPONSIBILITY Lee B. James
 STATUS RESPONSIBILITY M. Johnson

MANNED SPACE FLIGHT SCHEDULE
SATURN I
HARDWARE IDENTIFICATION
 PROJECT: SATURN I
 SCH'D NO: _____

ORIGINAL SCHED. APPROVAL 6/30/65 (Date)
 LAST SCHED. CHANGE (Date) (No.) (Initials)
 STATUS AS OF 7/31/65 (Date) (Initials)

2
LEVEL

CONTRACTOR: NOT APPLICABLE

ON CONTRACT

POP 65-3

PROGRAM REQUIREMENTS

GROUND TEST VEHICLES

S-I	3	3	3
S-IV	5	5	5
S-IU	5	5	5

FLIGHT VEHICLES

S-I	10	10	10
S-IV	6	6	6
S-IU	6	6	6

LV AND STAGE GSE SETS

S-I	3	3	3
S-IV	5	5	5
S-IU	1	1	1
LV	3	3	3

<p>SCHEDULE RESPONSIBILITY <u>Lee B. James</u></p> <p>STATUS RESPONSIBILITY <u>M. Johnson</u></p>	<p>MANNED SPACE FLIGHT SCHEDULE</p> <p>SATURN I</p> <p>HARDWARE IDENTIFICATION</p> <p>PROJECT: SATURN I</p> <p>SCH'D NO: _____</p> <p>CONTRACTOR : NOT APPLICABLE</p>	<p>2 LEVEL</p>	<p>ORIGINAL SCHED. APPROVAL <u>6/30/65</u> (Date)</p> <p>LAST SCHED. CHANGE <u>7/31/65</u> (Date) (No.) _____ (initials)</p> <p>STATUS AS OF <u>7/31/65</u> (Date) _____ (initials)</p>
<p>S-I : 3</p> <p>BATTLESHIP TEST STAGE</p> <p>BLOCK I DYNAMIC TEST STAGE</p> <p>BLOCK II DYNAMIC & FACILITY C/O STAGE (S A-D5)</p> <p>S-IV: 5</p> <p>DYNAMIC/FACILITY C/O STAGE (WET TESTS)</p> <p>HYDRO-DYNAMICS STAGE (DYNAMICS TESTS) (NOTE 1)</p> <p>BATTLESHIP TEST STAGE</p> <p>ALL SYSTEMS TEST STAGE</p> <p>TRANSPORTATION DUMMY</p> <p>S-IU: 5</p> <p>S-IU-100A - BREADBOARD</p> <p>S-IU-100D - DYNAMIC TEST UNIT</p> <p>S-IU-100 S/V - STRUCTURAL & VIBRATION TEST UNIT</p> <p>S-IU-9 STRUCTURAL/DYNAMIC TEST UNIT</p> <p>S-IU-9 VIBRATION TEST UNIT</p>	<p>S-I : 10</p> <p>S-I-1 THRU S-I-10</p> <p>S-IV: 6</p> <p>S-IV-5 THRU S-IV-10</p> <p>S-IU: 6</p> <p>S-IU-5 THRU S-IU-10</p> <p>S-I: 3</p> <p>MSFC - 2</p> <p>MICHOUD - 1</p> <p>S-IV: 5</p> <p>SACTO -3</p> <p>SANTA MONICA -1</p> <p>KSC (SAB) -1</p> <p>S-IU: 1</p> <p>MSFC - 1</p> <p>LV: 3</p> <p>MSFC - BREADBOARD -1</p> <p>KSC (LC #34, LC #37B) -2</p>	<p><u>GROUND TEST VEHICLES</u></p> <p><u>FLIGHT VEHICLES</u></p>	<p>NOTES: 1. S-IV HYDRO-DYNAMICS STAGE, UPON COMPLETION OF SATURN I TESTING, WAS GIVEN TO EXPLOSIVE HAZARDS TEST PROGRAM AT EDWARDS AFB.</p>

MANNED SPACE FLIGHT SCHEDULE
SATURN I
HARDWARE IDENTIFICATION

2
LEVEL

ORIGINAL SCHED. APPROVAL 6/30/65
(Date)
 LAST SCHED. CHANGE (Date) (No.) (Initials)
 STATUS AS OF 7/31/65 (Date) (Initials)

PROJECT: SATURN I
 SCH'D NO:

CONTRACTOR: NOT APPLICABLE

ON CONTRACT

POP 65-3

PROGRAM REQUIREMENTS

GROUND TEST VEHICLES

S-I	3	3	3
S-IV	5	5	5
S-IU	5	5	5

FLIGHT VEHICLES

S-I	10	10	10
S-IV	6	6	6
S-IU	6	6	6

LV AND STAGE GSE SETS

S-I	3	3	3
S-IV	5	5	5
S-IU	1	1	1
LV	3	3	3

SCHEDULE RESPONSIBILITY Lee B. James
 STATUS RESPONSIBILITY M. Johnson

<p>SCHEDULE RESPONSIBILITY <u>Lee B. James</u></p> <p>STATUS RESPONSIBILITY <u>M. Johnson</u></p>	<p>MANNED SPACE FLIGHT SCHEDULE</p> <p>SATURN I</p> <p>HARDWARE IDENTIFICATION</p> <p>PROJECT: SATURN I</p> <p>SCH'D NO: _____</p> <p>CONTRACTOR : NOT APPLICABLE</p>	<p>2</p> <p>LEVEL</p>	<p>ORIGINAL SCHED. APPROVAL <u>6/30/65</u> (Date)</p> <p>LAST SCHED. CHANGE <u>(Date)</u> <u>(No.)</u> <u>(Initials)</u></p> <p>STATUS AS OF <u>7/31/65</u> (Date) <u>(Initials)</u></p>
<p><u>GROUND TEST VEHICLES</u></p> <p>S-I : 3</p> <p>BATTLESHIP TEST STAGE</p> <p>BLOCK I DYNAMIC TEST STAGE</p> <p>BLOCK II DYNAMIC & FACILITY C/O STAGE (S A-D5)</p> <p>S-IV: 5</p> <p>DYNAMIC/FACILITY C/O STAGE (WET TESTS)</p> <p>HYDRO-DYNAMICS STAGE (DYNAMICS TESTS) (NOTE 1)</p> <p>BATTLESHIP TEST STAGE</p> <p>ALL SYSTEMS TEST STAGE</p> <p>TRANSPORTATION DUMMY</p> <p>S-IU: 5</p> <p>S-IU-100A - BREADBOARD</p> <p>S-IU-100D - DYNAMIC TEST UNIT</p> <p>S-IU-100 S/V - STRUCTURAL & VIBRATION TEST UNIT</p> <p>S-IU-9 STRUCTURAL/DYNAMIC TEST UNIT</p> <p>S-IU-9 VIBRATION TEST UNIT</p>	<p><u>FLIGHT VEHICLES</u></p> <p>S-I : 10</p> <p>S-I-1 THRU S-I-10</p> <p>S-IV: 6</p> <p>S-IV-5 THRU S-IV-10</p> <p>S-IU: 6</p> <p>S-IU-5 THRU S-IU-10</p> <p><u>GSE SETS</u></p> <p>S-I: 3</p> <p>MSFC - 2</p> <p>MICHOUD - 1</p> <p>S-IV: 5</p> <p>SACTO - 3</p> <p>SANTA MONICA - 1</p> <p>KSC (SAB) - 1</p> <p>S-IU: 1</p> <p>MSFC - 1</p> <p>LV: 3</p> <p>MSFC - BREADBOARD - 1</p> <p>KSC (LC#34, LC#37B) - 2</p>		
<p>NOTES: 1. S-IV HYDRO-DYNAMICS STAGE, UPON COMPLETION OF SATURN I TESTING, WAS GIVEN TO EXPLOSIVE HAZARDS TEST PROGRAM AT EDWARDS AFB.</p>			

SCHEDULE RESPONSIBILITY: <u>Lee B. James</u> STATUS RESPONSIBILITY: <u>Arthur W. Thompson</u>	MANNED SPACE FLIGHT SCHEDULE OBLIGATIONS, COSTS, AND MANPOWER S-1 STAGE CONTRACTOR	ORIGINAL SCHED. APPROVAL: <u>8/31/64</u> (Date) LAST SCHED. CHANGE: _____ (Date) STATUS AS OF: <u>7/31/65</u> (Date)
CONTRACTOR: CCSD (NAS 8-5602(F) (NAS 8-2576) (NAS 8-4016)		PROJECT: SATURN I SCH'D NO.: _____

OBLIGATIONS & COSTS (THOUSANDS OF DOLLARS)								
	FY 1961 THRU FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970	TOTAL
UNCOSTED OBLIGATIONS		10,464	2,109	0				XXX
OBLIGATIONS TO CONTRACTOR	122,387	5,909	-0-	0				128,296
TOTAL AVAILABLE	122,387	16,373	2,109	0				XXX
ACCRUED COSTS DURING PERIOD	111,923	14,264	2,109	0				128,296
(533 ACCRUED COSTS)	(111,923)	(14,264)	(1,756)	(97)				(128,040)
UNFILLED ORDERS	3,539	620	0	0				XXX
ADVANCED FUNDING	6,925	1,489	0	0				XXX
MONTHLY COST-RATE (YEAR END)	3,000	1,140	0	0				XXX

MANPOWER (IN EQUIVALENT MAN YEARS)								
TOTAL DIRECT	4,370	961	114	0				5,445
RATIO OF INDIRECT TO DIRECT								

REMARKS:

SCHEDULE RESPONSIBILITY <u>Lee B. James</u> STATUS RESPONSIBILITY <u>Arthur W. Thompson</u> Arthur W. Thompson	MANNED SPACE FLIGHT SCHEDULE OBLIGATIONS, COSTS, AND MANPOWER S-1 STAGE CONTRACTOR	ORIGINAL SCHED. APPROVAL <u>8/31/64</u> (Date) LAST SCHED. CHANGE <u>7/31/65</u> (Date) STATUS AS OF <u>7/31/65</u> (Date) (No.) <u>90</u> (Initials) (Initials)
CONTRACTOR: CCSD (NAS 8-5602(F)) PROJECT: SATURN I (NAS 8-2576) (NAS 8-4016) SCH'D NO:		

OBLIGATIONS & COSTS (THOUSANDS OF DOLLARS)													
CURRENT FISCAL YEAR	NO. OF WORKING DAYS IN REPORTING PERIOD	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
		CUMULATIVE OBLIGATIONS											
POP 65-2		21	22	21	21	20	22	20	20	22	21	21	22
POP 65-3		0	0	0	XX	XX	0	XX	XX	0	XX	XX	0
ACTUAL		0	0	0	0	0	0	XX	XX	0	XX	XX	0
CUMULATIVE ACCRUED COSTS													
POP 65-2		500	1,000	1,400	XX	XX	1,660	XX	XX	1,660	XX	XX	1,660
POP 65-3		900	1,456	1,856	2,109	2,109	2,109	XX	XX	2,109	XX	XX	2,109
TOTAL		900											
IN-HOUSE		800											
SUB CONTRACT		100											
COST RATE													
POP 65-2		500	500	400	XX	XX	0	XX	XX	0	XX	XX	0
POP 65-3		900	556	400	253	0	0	XX	XX	0	XX	XX	0
ACTUAL		900											
MANPOWER (IN EQUIVALENT MAN MONTHS)													
TOTAL DIRECT MANPOWER													
POP 65-2		300	300	270	XX	XX	0	XX	XX	0	XX	XX	0
POP 65-3		600	350	273	142	0	0	XX	XX	0	XX	XX	0
ACTUAL		600											
RATIO OF INDIRECT TO DIRECT													
NUMBER OF SHIFTS <u>1.09</u> (JUNE)													
PERCENT OF OVERTIME <u>7.9%</u> (JUNE)													
REMARKS: VALUES SHOWN FOR JULY ARE ESTIMATES ONLY.													

5 YEAR

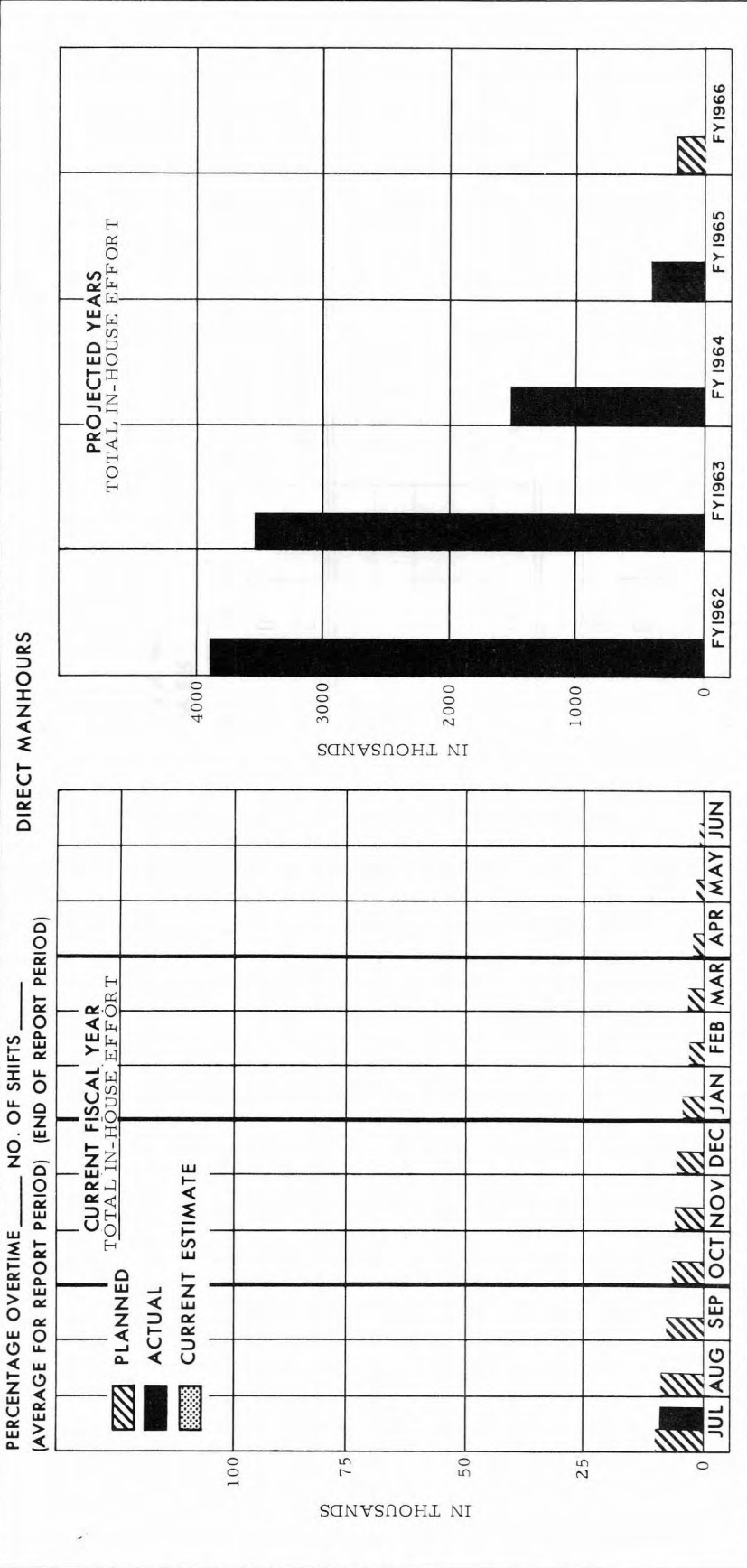
SCHEDULE RESPONSIBILITY Dr. Wernher von Braun
 STATUS RESPONSIBILITY William S. Rutledge
 PROJECT: SATURN I
 SCH'D NO: 3-33500-4a

MANNED SPACE FLIGHT SCHEDULE
 S-1 STAGE REGULAR AND OVERTIME
 DIRECT CIVIL SERVICE
 MANHOURS

CIVIL SERVICE

ORIGINAL SCHED. APPROVAL _____ (Date)
 LAST SCHED. CHANGE _____ (Date) (No.) (Initials)
 STATUS AS OF 7/31/65 (Date) (Initials)

3 LEVEL



PROJECTED YEARS TOTAL IN-HOUSE EFFORT

Year	Effort (Thousands)
FY 1962	3890.3
FY 1963	3549.1
FY 1964	1534.7
FY 1965	417.2
FY 1966	67.2

CUR. EST. ACTUAL PLANNED

Category	Value
Cur. Est. Actual	9.5
Planned	10.0

NOTES

SCHEDULE RESPONSIBILITY <u>Lee B. James</u> STATUS RESPONSIBILITY <u>B L Wood</u> C. L. Wood	MANNED SPACE FLIGHT SCHEDULE OBLIGATIONS, COSTS, AND MANPOWER S-IV STAGE CONTRACTOR	ORIGINAL SCHED. APPROVAL <u>8/31/64</u> (Date) LAST SCHED. CHANGE <u>7/31/65</u> (Date) (No.) (initials) STATUS AS OF <u>7/31/65</u> (Date) (initials)
CONTRACTOR: DAC (NAS 7-1) PROJECT: SATURN I SCH'D NO:		

OBLIGATIONS & COSTS (THOUSANDS OF DOLLARS)								
	FY 1961 THRU FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970	TOTAL
UNCOSTED OBLIGATIONS	XXX	19,719	1,842					XXX
OBLIGATIONS TO CONTRACTOR	217,990	9,900	0					227,890
TOTAL AVAILABLE	217,990	29,619	1,842					XXX
ACCRUED COSTS DURING PERIOD	198,271	27,777	1,842					227,890
(533 ACCRUED COSTS)	(198,271)	(27,800)	(3,821)					(229,892)
UNFILLED ORDERS	1,842	350	0					XXX
ADVANCED FUNDING	17,877	1,492	0					XXX
MONTHLY COST-RATE (YEAR END)	4,047	878	0					XXX

MANPOWER (IN EQUIVALENT MAN YEARS)								
TOTAL DIRECT	8,240	867	53					9,160
RATIO OF INDIRECT TO DIRECT	NOT AVAILABLE							

REMARKS: 1. THE STATUS OF COST ACCRUALS TO DATE AND FORECAST ARE CURRENTLY UNDER EVALUATION FOR CONTRACT NAS7-1.

SCHEDULE RESPONSIBILITY <u>Lee B. James</u> STATUS RESPONSIBILITY <u>C. L. Wood</u>	MANNED SPACE FLIGHT SCHEDULE OBLIGATIONS, COSTS, AND MANPOWER S-IV STAGE CONTRACTOR	ORIGINAL SCHED. APPROVAL <u>8/3/64</u> (Date) LAST SCHED. CHANGE <u>7/3/65</u> (Date) (No.) (Initials) STATUS AS OF <u>7/3/65</u> (Date) (Initials)
CONTRACTOR: DAC (NAS 7-1) <u>PROJECT: SATURN I</u> SCH'D NO: <u> </u>		

OBLIGATIONS & COSTS (THOUSANDS OF DOLLARS)												
CURRENT FISCAL YEAR	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
NO. OF WORKING DAYS IN REPORTING PERIOD	20	20	25	20	20	25						
CUMULATIVE OBLIGATIONS												
POP 65-2	0	0	0	XX	XX	0	XX	XX	0	XX	XX	0
POP 65-3	0	0	0	0	0	0	XX	XX	0	XX	XX	0
ACTUAL	0											
CUMULATIVE ACCRUED COSTS												
POP 65-2	977	1,953	3,045	XX	XX	3,747	XX	XX	3,747	XX	XX	3,747
POP 65-3	990	1,495	1,842	1,842	1,842	1,842	XX	XX	1,842	XX	XX	1,842
TOTAL	622											
IN-HOUSE	622											
SUB CONTRACT	0											
COST RATE												
POP 65-2	977	976	1,092	XX	XX	0	XX	XX	0	XX	XX	0
POP 65-3	990	505	347	0	0	0	0	0	0	0	0	0
ACTUAL	622											

MANPOWER (IN EQUIVALENT MAN MONTHS)												
TOTAL DIRECT MANPOWER	325	325	291	XX	XX	0	XX	XX	60	XX	XX	0
POP 65-2	325	325	291	XX	XX	0	XX	XX	60	XX	XX	0
POP 65-3	310	188	53	XX	XX	0	XX	XX	0	XX	XX	0
ACTUAL	264											
RATIO OF INDIRECT TO DIRECT												

NUMBER OF SHIFTS <u>1</u> PERCENT OF OVERTIME <u>1%</u>	REMARKS: VALUES SHOWN FOR JULY ARE ESTIMATES ONLY.
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5 YEAR

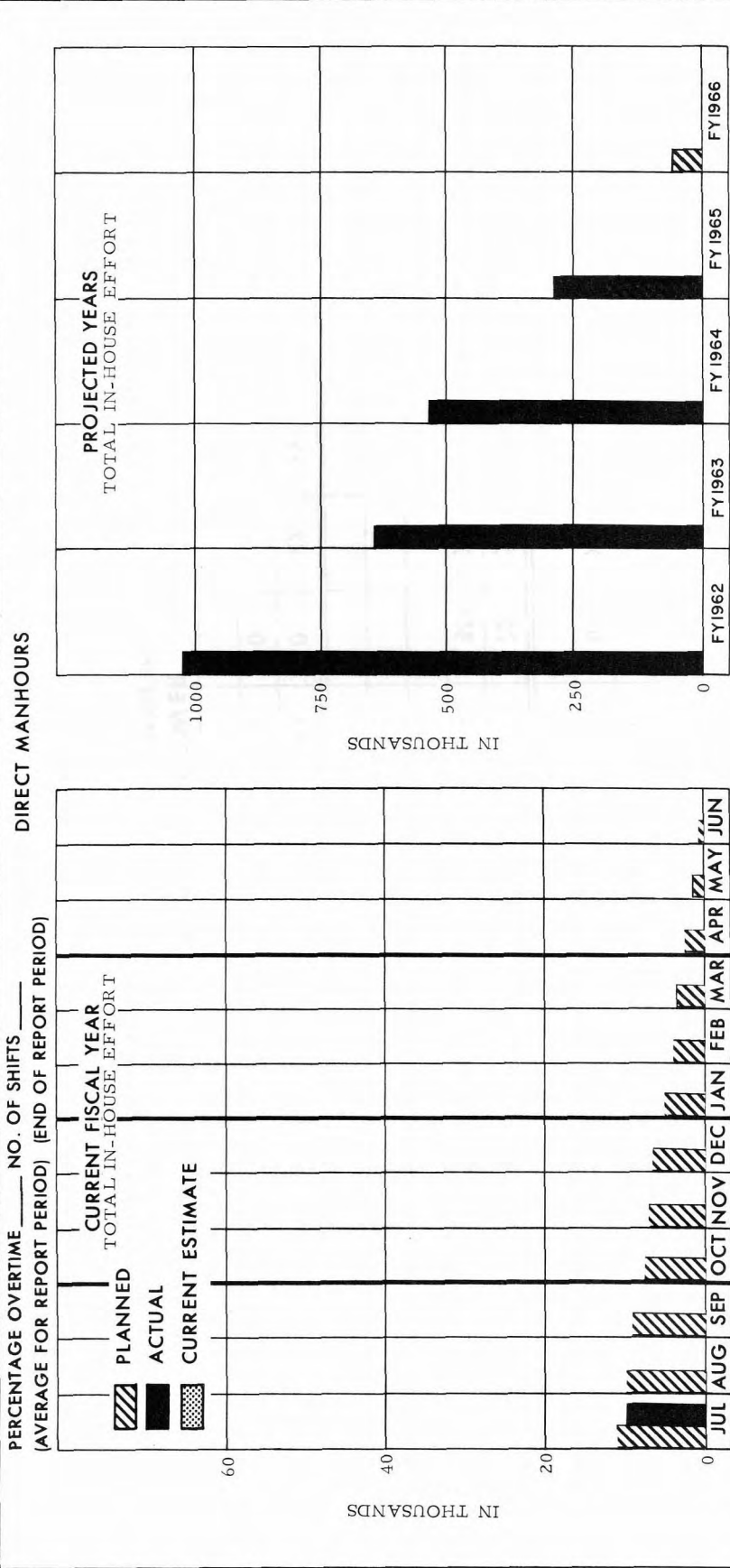
SCHEDULE RESPONSIBILITY Dr. Wernher von Braun
 STATUS RESPONSIBILITY William S. Rutledge
 PROJECT: SATURN
 SCHD NO: 3-33500-4g

MANNED SPACE FLIGHT SCHEDULE
SATURN I INSTRUMENT UNIT
REGULAR AND OVERTIME
DIRECT CIVIL SERVICE MANHOURS

CIVIL SERVICE

LEVEL **3**

ORIGINAL SCHED. APPROVAL _____ (Date)
 LAST SCHED. CHANGE _____ (Date) (No.) (Initials)
 STATUS AS OF 7/31/65 _____ (Date) (Initials)



Month	Planned	Actual	Planned
JUL	10.8	9.9	9.0
AUG	9.9	9.0	8.0
SEP	9.0	8.0	7.1
OCT	8.0	7.1	6.4
NOV	7.1	6.4	5.4
DEC	6.4	5.4	4.4
JAN	5.4	4.4	3.4
FEB	4.4	3.4	2.5
MAR	3.4	2.5	1.6
APR	2.5	1.6	.6
MAY	1.6	.6	
JUN	.6		

Fiscal Year	Planned	Actual	Planned
FY 1962	1025.8		
FY 1963	634.1		
FY 1964	528.0		
FY 1965	290.6		
FY 1966	69.1		

NOTES

SCHEDULE RESPONSIBILITY <u>Lee B. James</u> STATUS RESPONSIBILITY <u>George S. Wallace Jr.</u> for Dr. W. G. Johnson	MANNED SPACE FLIGHT SCHEDULE OBLIGATIONS, COSTS, AND MANPOWER PEGASUS	ORIGINAL SCHED. APPROVAL <u>8/31/64</u> (Date) LAST SCHED. CHANGE <u>7/31/65</u> (Date) (No.) (Initials) STATUS AS OF <u>7/31/65</u> (Date) (Initials) (Initialed)
CONTRACTOR: FHC (NAS 8-5615) PROJECT: SATURN I SCH'D NO:		

OBLIGATIONS & COSTS (THOUSANDS OF DOLLARS)								
	FY 1961 THRU FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970	TOTAL
UNCOSTED OBLIGATIONS	0	0	0					XX
OBLIGATIONS TO CONTRACTOR	13,244	13,442	1,370					28,056
TOTAL AVAILABLE	13,244	13,442	1,370					XX
ACCRUED COSTS DURING PERIOD	13,244	13,442	1,370					28,056
(533 ACCRUED COSTS)	(13,313)	13,032	1,370					27,715
UNFILLED ORDERS	0	0	0					XX
ADVANCED FUNDING	0	0	0					XX
MONTHLY COST-RATE (YEAR END)	1,040	600	0					XX

MANPOWER (IN EQUIVALENT MAN YEARS)								
TOTAL DIRECT	346	337	29					712
RATIO OF INDIRECT TO DIRECT								

REMARKS:

SCHEDULE RESPONSIBILITY Lee B. James ORIGINAL SCHED. APPROVAL 8/31/64
 (Date)
 STATUS RESPONSIBILITY Dr. W.G. Johnson LAST SCHED. CHANGE (Date) (No.) (Initials)
42 PROJECT: SATURN I STATUS AS OF 7/31/65 (Date) (No.) (Initials)
 CONTRACTOR: FHC (NAS 8-5615) SCHED NO: 1

**MANNED SPACE FLIGHT SCHEDULE
 OBLIGATIONS, COSTS, AND MANPOWER
 PEGASUS**

CURRENT FISCAL YEAR		JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
NO. OF WORKING DAYS IN REPORTING PERIOD		19											
CUMULATIVE OBLIGATIONS	POP 65-2	300	600	800	XX	XX	1,500	XX	XX	1,500	XX	XX	1,500
	POP 65-3	500	800	1,370	1,370	1,370	1,370	XX	XX	1,370	XX	XX	1,370
	ACTUAL												
CUMULATIVE ACCRUED COSTS	POP 65-2	300	600	800	XX	XX	1,500	XX	XX	1,500	XX	XX	1,500
	POP 65-3	500	800	1,370	1,370	1,370	1,370	XX	XX	1,370	XX	XX	1,370
	TOTAL	350											
	IN-HOUSE	200											
SUB CONTRACT		150											
COST RATE	POP 65-2	300	300	200	XX	XX		XX	XX	0	XX	XX	0
	POP 65-3	500	300	570	0	0	0	0	0	0	0	0	0
	ACTUAL	350											

		MANPOWER (IN EQUIVALENT MAN MONTHS)											
TOTAL DIRECT MANPOWER	POP 65-2	150											
	POP 65-3	150	100	95									
	ACTUAL												
RATIO OF INDIRECT TO DIRECT													

NUMBER OF SHIFTS 1
 PERCENT OF OVERTIME 6%
 REMARKS: VALUES SHOWN FOR JULY ARE ESTIMATES ONLY.