



APOLLO PROGRAM
MAJOR 1966 PLANNED ACTIVITIES

LAUNCH VEHICLES

ACCOMPLISHED

UPDATED SATURN I

- COMPLETE QUALIFICATION TESTING PROGRAM ----- DEC.
- COMPLETE VEHICLE GSE FOR LAUNCH COMPLEX 37B ----- FEB.
- BEGIN UNMANNED FLIGHT PROGRAM ----- FEB.
- COMPLETE ALL STRUCTURAL TESTING OF THE FIRST STAGE ----- MAY
- START ASSEMBLY OF THE TWELFTH FLIGHT ARTICLE OF THE FIRST AND
SECOND STAGES ----- AUG
- COMPLETE 205K H-1 ENGINE QUALIFICATION ----- JUNE
- DELIVER FIFTY 205K PRODUCTION H-1 ENGINES ----- AUG.
- COMPLETE H-1 FIRST FLIGHT WORTHINESS VERIFICATION ----- OCT.

SATURN V

- DELIVER FIRST FLIGHT STAGES TO KSC ----- JAN. 67
- DELIVER GSE AND PROGRAM TAPES REQUIRED FOR LAUNCH AS-501 ----- DEC.
- BEGIN CHECKOUT OF FIRST POSITION OF FIRST STAGE ACCEPTANCE TEST
STAND AT MTF ----- DEC.
- ACTIVATE BOTH SECOND STAGE ACCEPTANCE TEST STANDS AT MTF ----- MAR. '67
- COMPLETE F-1 ENGINE QUALIFICATION TESTS ----- SEPT.
- COMPLETE J-2 ENGINE 205,000 POUND THRUST QUALIFICATION ----- AUG.

NASA HQ ML66-10,399
REV. 2/15/67

FIGURE 10

and the uprated Saturn I, completed the qualification testing program, and we have completed the vehicle ground support equipment for launch complex 37B. We have begun our unmanned flight program, and have completed all structural testing of the first stage. For the benefit of those that are new to the committee, I might point out that what we have tried to do is identify our major planned activities for the coming year. Then the following year see how well we did with respect to that plan.

We did complete the structural testing of the first stage. We did start the assembly of the 12th flight article of the first and second stages. We did complete the 205,000 pound thrust engine qualification for the first stage (fig. 11, MA66-9215). We did deliver some 50 of these production H-1 engines which completed our order for those engines. We did complete the H-1 first flightworthiness verification.

In Saturn V we delivered our first flight stages to KSC (fig. 12, MC67-600). We were late with the second stage. Instead of that being done in October and November as we had planned, it came in January. We did deliver the ground support equipment and program tapes required for the launch of AS. 501. We did begin the checkout of the first position of the first stage acceptance test stand at Mississippi and, as a matter of fact, at this point in time, the first test firing has been completed (fig. 13, MC67-5737).

I don't know that I have a view of that at this point here but that was done just about a week ago. We did activate both second stage acceptance test stands at Mississippi. We were behind schedule on the second one and it is activated at this point in time. We did com-