

S-IC-1
S-IC-2
S-IC-3
S-IC-4
S-IC-5
S-IC-6
S-IC-7
S-IC-8
S-IC-9
S-IC-10
S-IC-11 thru
S-IC-15

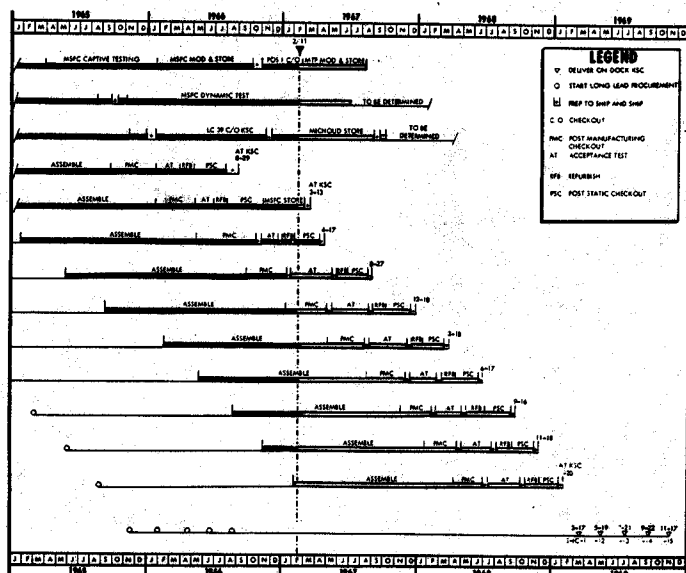


FIGURE 16

Our activities at Huntsville are concerned with the integration of the total launch vehicle (Fig. 18), that is, the marriage of each of the stages and certain ground support that goes with the total launch vehicle. We accomplish this activity under schedule II of our contract in support of Marshall at Huntsville. The four main task breakdowns (Fig. 19) are: Testing; systems engineering analysis and documentation associated with the prelaunch phase of the operation; similar activities after the vehicle is in flight; and certain program-management-support activities.

In the Saturn V vehicle-testing area, you saw in operation the Dynamic Test Vehicle at MSFC yesterday. The status of that program is shown on figure 20. Figure 21 is a photograph of the Dynamic Test Stand. The testing necessary before first launch will be complete in March of 1967.

We have completed, in December of 1966, the structural test of the upper portion of the S-IC stage and lower portion of the S-II stage (Fig. 22). This testing has been satisfactorily completed for unmanned SA-501.

We operate, for MSFC, what we call a Systems Development Facility or breadboard (Fig. 23), which is a set of checkout and launch-control equipment; mechanical simulations of the S-IC, S-II, and S-IVB; and the instrument unit. There also are other contractors involved in this program, but we operate this facility for MSFC. From this facility, the computerized test and checkout programs have been validated and delivered to the Cape for the SA-501.