6.0 FUNDING SUMMARY

During FY 1967 and early 1968, the three MSF Centers will be engaged in making major equipment changes. At Kennedy Space Center, the GE 635 system installed in the Central Instrumentation Facility will be expanded to provide for simultaneous testing of multiple vehicles. The expansion will permit centralization of all data processing and will accommodate the business-type applications that formerly required separate machines.

At Marshall Space Flight Center in Huntsville and at Slidell, all of the existing general-purpose computers are being replaced by a central multiprogrammed-multiprocessor system at each location. Involved in the change are 39 computers and 48 remotes that will be replaced by the UNIVAC 1108 II computers being phased in by late 1968.

The general-purpose scientific and engineering computers at Manned Spacecraft Center are being installed in early 1967. The RTCC Mission Control Center, where computer capabilities are required for mission monitoring, inflight mission planning, and simulation, is in the process of converting to IBM 360 computers for use in the Apollo Spacecraft Program.

Attached are summary statistical schedules (tables 6-I to 6-III) by fiscal years 1966, 1967, and 1968 for both category A (general-purpose computers) and category B (special-purpose computers). These schedules reflect costs by appropriation and by purpose of funding (purchase, lease, and maintenance). The total equipment costs for FY 1966, 1967, and 1968 are $43,900,000, $36,100,000, and $29,600,000, respectively. Figures 6-1 and 6-2 depict equipment costs for the past, current, and budget years. Figure 6-1 illustrates OMSF equipment costs in relation to the other Program Offices. Figure 6-2 shows the costs of each Center by funding method. (Refer to figure 1-2 for a breakdown of the equipment costs by appropriation.)

One trend that can be seen from reviewing the total equipment costs is the continuing reduction in fiscal years 1967 and 1968. Fiscal year 1967 total equipment costs are $7,800,000 less than those for FY 1966, and FY 1968 costs are $6,500,000 less than those for FY 1967. These reductions in costs are the result of the installation of third-generation equipment and the centralization of the computational capability.