

In hearings at other locations, you have received briefings on Apollo Applications, its objectives, and the plan to utilize the technology and hardware base developed to date in our Manned Space Flight program. Initial planning has now advanced to the point where we can discuss briefly some of the typical tasks that are being undertaken at this center pending program approval. These typical tasks can best be discussed within the context of our planning for the first four AAP flights. These flights are depicted in mission profile form on figures 2 and 3. They are to be conducted in earth orbit at altitudes from 120 nautical miles to 260 nautical miles as shown. The four flights group conveniently into two missions, one of 28-days duration and the second having a mission duration of 56-days and for our purposes here today we will discuss the two missions separately. The AAP-1 flight (fig. 2) will contain a three-man crew and is currently planned for an initial flight period of from 3 to 5 days of independent operation with the lunar mapping and survey module at approximately 120 nautical miles orbital altitude. The spacecraft and experiment module (LM&SS) from AAP-1 will then rendezvous and dock with the unmanned vehicle launched on AAP-2 for the remainder of the AAP-1½ mission. The objectives of this mission are summarized in figure 4. The AAP-1½ flight will be flown open-ended with the capability of extending our mission flight duration up to 28 days. If fully successful, this would

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## AAP MISSION PROFILES

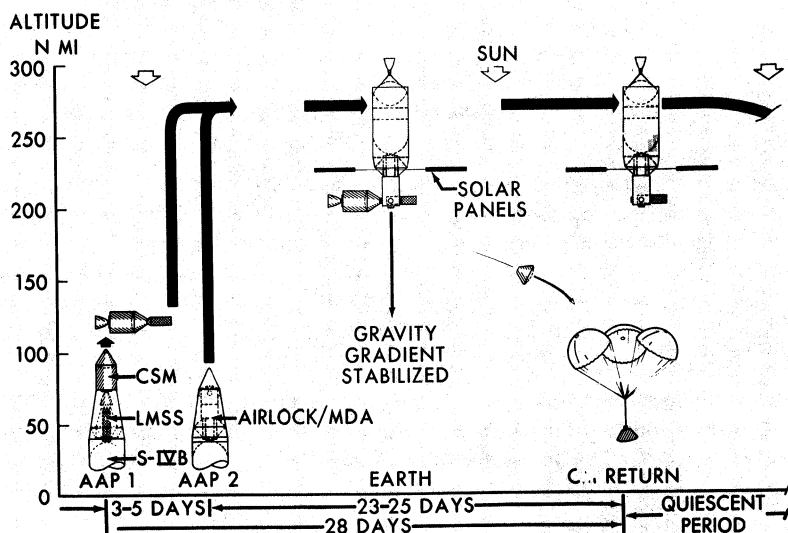


FIGURE 2