

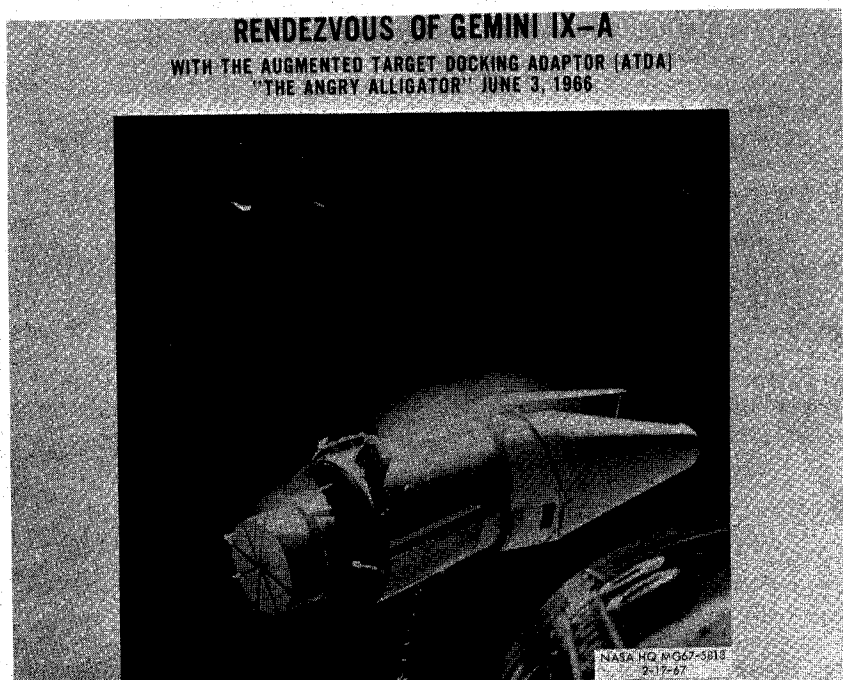


FIGURE 3

simulated the planned Apollo lunar module rendezvous with the command and service module. Two additional rendezvous maneuvers were later executed, the last being an extremely difficult lunar module abort simulation.

Numerous experiments were performed and a long period of extra-vehicular activity (EVA) was conducted. The excessive work levels experienced during EVA on this mission required termination of this activity earlier than intended. From this experience, we recognize the requirement for additional study of EVA training, procedures, workloads, and restraints.

The shift to the alternate mission for Gemini IX, as well as the early termination of Gemini VIII, had further significance. These experiences led to further development of the open ended mission concept previously described.

GEMINI X

Gemini X was launched on July 18, 1966 and rendezvoused and docked as planned with the Agena X target vehicle during the fourth spacecraft revolution, using the ascent rendezvous mode. Later, the Agena X primary and secondary propulsion systems were used in docked vehicle maneuvers to raise the combined vehicle to an altitude record of 414 nautical miles, and to position Gemini X for rendezvous with the Agena VIII target vehicle still orbiting from the Gemini VIII mission. After separation from Agena X, the Gemini X space-