MEMORANDUM FOR MR. FRIEDMAN, ASD/ISA

SUBJECT: Additional Information on KH-6

Per your request of 15 January, a review has been made of the problems involved in re-establishing a KH-6 satellite reconnaissance capability - to be programmed primarily against Cuban targets - but also considering bonus coverage of South China targets. Aside from China target coverage data, this review largely confirms and substantiates information contained in a previous paper on this subject dated 14 January 6043-64).

In summary, re-establishing KH-6 will involve the following items:

1. **Current Status:** Program is now operationally dormant, however, some studies are being conducted under contract to determine feasibility of camera program improvement efforts.

2. **Number Available:** Five payloads now available - could be readied for launching within 6 months by ATLAS/AGENA - cost of readying (rehabilitation plus program improvement) all five payloads for launching would total 12 million dollars. Additional KH-6 launchings could be programmed at cost of 6 million dollars. Lead time for additional payloads - 12 months.
3. **Systems Capability:** Swath width of 40 NM (at nominal altitude) with ground resolution averaging 5 ft at nadir. Program improvement studies, centering largely around improved thermal control, indicate resolutions of about 4 ft may be realized.

4. **Cuban Coverage:** One KH-6 mission will completely cover Cuba four times.

5. **Other Area Coverage - China, for example:** Dependent upon launch angle selected, the KH-6 could be programmed to cover China targets between $24^\circ$ - $34^\circ$ North and $24^\circ$ - $34^\circ$ South latitude. Approximately 130 of the 468 priority targets in China could be covered by the KH-6 launched at an inclination of $34^\circ$.

Attachment:
Map - China Targets