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CORONA

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Copy  
26 May 1972

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 146

I. CORONA

1. Mission 1117 (CR-8) was launched at 1841Z on 25 May 1972. Original launch date was to have been 23 May, but was delayed two days at the request of the System Program Director (SPD). The reason for this delay was to allow additional failure analysis on the Agena vehicle in view of Program ~~██████████~~ Agena failure on 20 May. No new failure modes were discovered as a result of this analysis. All mission preparations were completed successfully and all appeared normal during ascent.

2. It is noteworthy that the train which claims right of way through Vandenberg AFB once again caused a temporary countdown hold on this the final CORONA launch.

3. Telemetry data on rev 1 indicated that the solar panels did not deploy. This failure limited mission life to about eight days. On rev 5, telemetry data indicated an abnormally high gas usage rate by the Agena reaction control system; however, the vehicle is stable. Forty pounds of gas had been used by rev 5 with 100 pounds remaining in the supply. Based on an apparent lifetime of one to two days, the cameras were operated over all target areas. Sixty-one percent of the first bucket was filled during the night. The gas leak rate has reduced substantially so that now operations are being considered in terms of vehicle health on a rev-by-rev basis. Both of the failures are in the Agena. The payload functioned normally at all times.

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on NOV 26 1997

GROUP 1  
Excluded from automatic  
downgrading and  
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Handle Via ~~██████████~~  
Control System Only

**\*\*\*NOTICE OF REMOVED PAGES\*\*\***

**Pages 2 through 5 are not provided because their full text does not contain CORONA, ARGON, LANYARD programmatic information.**