

SECRET

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26 September 1969

MEMORANDUM FOR: Director of Special Projects

SUBJECT: Photo Reconnaissance Systems Report No. 7

I. CORONA

A. Accomplishments

1. J-46 (Mission 1052) was successfully launched on 22 September. All systems functioned normally except the V/H programmer. During the first forty revs, the programmer failed to start on three instances. In the first case (rev 21) the failure was discovered after any corrective action could have been taken. The result was approximately fifty per cent mismatch in V/H. In the next two instances, corrective action was initiated in real time, keeping the mismatch to less than five per cent.

2. CR-8 has successfully completed a confidence run prior to starting qual program. The vibration test is scheduled to start 26 September.

3. CR-10's Delta ramp-up problem was found to be caused by questionable amplifiers. The amplifiers have been returned to Itok for evaluation. CR-10 has resumed normal testing at the AP.

4. [REDACTED]

Declassified and Released by the NRO
In Accordance with E. O. 12958
on NOV 26 1997

[REDACTED]

GROUP 1
Excluded from automatic
downgrading and
declassification

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5. The CORONA counterpart of [REDACTED] (CASSANDRA) is also being implemented on Headquarters computers. This will allow direct comparison (on-orbit) of CORONA [REDACTED] performance in a directly comparable manner. CASSANDRA is due to be tested on mission 1108.

B. Problems

1. J-46 - Failure analysis of the V/H programmer is underway.
2. CR-9 - A question between Itek (Boston) focusing data versus Itek field service data arose. Evaluation of the resolution data resulted in a decision to remove the shim, visually inspect a filter and rerun the resolution test. The necessity to conduct an ambient "Dr. A" test is being evaluated and, if necessary, will be accomplished prior to resolution test. This problem concerns only instrument No. 317.

C. Projected Status

1. CR-8 - Qual Testing.
2. CR-9 - Special Resolution Tests.
3. CR-10 - Compatibility checks.
4. CR-11 - CTI Continuity testing.
5. CR-12 - Acceptance Testing.
6. CR-13 - Instrument mods at [REDACTED]



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

Pages 3 through 6 are not provided because their full text does not contain CORONA, ARGON, LANYARD programmatic information.