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18 September 1970

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 58

I. CORONA

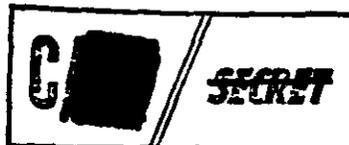
A. Accomplishments

1. A sneak circuit necessitated additional changes in the command box before acceptance of the DISIC PMU mods. These changes are being incorporated.
2. To preclude recurrence of undesirable DISIC flight results similar to the last two missions, a unit has been shimmed to allow greater clearance during film transport. Results are being evaluated to determine if film flatness is acceptable. Another change to improve results is to increase the supply tension.
3. The visual edge matching class at Itek was completed. Participants included people from [REDACTED] WCFO, Itek (Palo Alto), and LMSC (CORONA Contractor).
4. The CR-13 pre-storage audit was completed.
5. Planning was completed for the CR-15 HIVOS tests to include the use of 3400 film in addition to the normally used 3414. The faster 3400 hopefully will provide some clue to determine the source of the spots reported during the last two missions. Some 3414 will be processed in Sunnyvale but the remainder will be dual gamma processed at [REDACTED] as is the mission film.
6. The CORONA software operations personnel are evaluating several potential [REDACTED] mission coverage patterns for various scan angles. This effort is being done to determine CORONA system coverage capabilities as a function of latitude.

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997





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**B. Problems**

1. The collimator problem has apparently been caused by a bad parabola. Tests are being conducted to determine if masking improves the situation. Concurrently, another parabola is being forwarded from Itek as a replacement.

2. The first [REDACTED] 4-channel timer failed during acceptance test. The vendor duplicated the problem, and corrective action is being determined.

**C. Projected Status.**

1. CR-13. Pre-storage.
2. QR-2. Backup.
3. CR-14. Block test.
4. CR-15. Pre-HIVOS.
5. CR-16. Acceptance tests.
6. CR-8. Storage.

**II.** [REDACTED]

**A.** [REDACTED]

[REDACTED]

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