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31 July 1970

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 51

I. CORONA

A. Accomplishments

1. The first half of Mission 1111 (CR-12) was recovered successfully at 1200 EST on 29 July 1970. The forward-looking camera film had been processed by early A.M. 31 July 1970. A look at low magnification, 7X, reveals no gross problems; however, weather was a little heavier than expected (about 70% cloud free). A quality assessment under high power magnification will be made this week-end. The aft looking camera film was in processing by 0600 today.

2. A small team is at [REDACTED] to look at the results of the first half to see if any improvements are possible by use of alternate filters, 7 thousandths of an inch thick glass. The Itek Visual Edge Matching technique is being used for the first time operationally for this analysis. The glass filters were used on engineering passes during the first half; however, if improvement is noted, these filters may be used as primary during [REDACTED]-2.

3. The collimator has been moved to Building [REDACTED] and assembled. The optical equipment is being relocated. The estimate for checkout of alignment is by 3 September 1970. Estimated readiness following block calibration using CR-12 is the week of 10 September. The shaker is ready for use. Weight and balance equipment is installed and checked out. AGE, test equipment, and miscellaneous fixtures are currently being moved.

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

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B. Problems/Planning

1. The dual data signal conditioner (DDSC) trouble was determined to be in the transistor. A new transistor will be installed. Circuit redesign has been completed. The redesigned circuit was verified on CR-13 DDSC sides 1 and 2. Drawings are being revised. This problem does not impact CR-13 or QR-2.

2. Following Mission 1111, the A/P personnel will be asked to review the [redacted] software used as a modular portion of the [redacted] software package. An attempt will be made to bring this software up to date based on current CORONA performance/specifications.

C. Projected Status

1. CR-13. Pre-storage preparation. Being prepared for shipment to Bldg. [redacted]
2. QR-2. Backup storage. Being prepared for shipment to Bldg. [redacted]
3. CR-14. Storage.
4. CR-15. Storage.
5. CR-16. Storage at Itak (Palo Alto). Being prepared for shipment to Bldg. [redacted]
6. CR-8. Being prepared for shipment to Bldg. [redacted] Buy-off is scheduled for 10-12 August 1970.

[redacted]
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*****NOTICE OF REMOVED PAGES*****

Pages 3 through 9 are not provided because their full text does not contain CORONA, ARGON, LANYARD programmatic information.