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BYE-107829-71
Cy 10 of 14
26 February 1971

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 81

I. CORONA

A. Accomplishments

1. CR-14 was pulled up for Mission 1114 launch on 24 March 1971, or 31 March if a P-11 payload is desired.

2. A study of the six-pack configuration has begun. The goal is to complete the study (integrated with vehicle considerations) by 26 March 1971.

B. Problems

No major problems.

C. Projected Status

1. CR-14. At launch preps.
2. CR-15. Pre-back-up preps.
3. CR-16. Block preps.
4. CR-8. Integrated assembly.

GROUP 1
Excluded from automatic
downgrading and
declassification

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II. HEXAGON

A. General

1. SETS personnel have been at the WCPO during most of this week to prepare the "HOPE" Report (REBOUND-830) for the A-2 Chamber test of SV-1. No problems are expected, and the report will be provided to users on 26 February.

2. Film deliveries this week:

2 - 110,000 ft. rolls Type 1414 to PE

1 - 26,000 ft. roll SO-255 to PE

2 - 10,000 ft. rolls SO-255 to PE

4 - 10,000 ft. rolls Type 1414 to RCA

3. A Qualification Program Status Review was held at Headquarters with SETS participation. The Headquarters position was derived and PE is being advised of the remaining open items and action items which must be completed before the system is considered qualified.

B. Model Status

1. Development Model (SDV-III)

The SCF/VTS Phase 2 compatibility test was completed. EMI test run No. 1 was successfully accomplished and run No. 2 has begun.

2. SV-1 (SN-003)

SV-1 is undergoing A-2 Chamber tests now scheduled for completion on 27 February. No real-time

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anomalies have been observed. Recovered film will be sent to EK for processing on 28 February.

3. SV-2 (SN-002)

a. Forward Section

The forward section buildup continues at a slow pace while awaiting the corrected procedures for builder-roller retrofit. Activities since the last reporting period involved roller alignment verifications and articulator mods.

b. Midsection

The 70° F. and 49° F. Chamber "A" tests have been completed. The 93° F. tests are scheduled for 28 February. Shipping preps are scheduled to be completed on 5 March.

4. SV-3 (SN-004)

Midsection

The new crossover configuration is being tested in two steps. The first test with an added cluster roller on the return side of the film drive did not show improved tracking. A second test with a cluster roller added on the output of the crossover on the looper side is now underway. This and other day-to-day problems have delayed the start of MFN 3.09 on SN-004. The crossover testing is scheduled for completion 27 February, and MFN 3.09 should commence Tuesday 2 March.

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Since the supply (No. 5004) has an MRB against the bellows, it will be pulled out of the system, probably after the first 70° in-air run and replaced with supply No. 5002. Supply No. 5004 will be reworked for a later model. The schedule now projects a 4/13 ship date.

5. SV-4 (SN-005)**Midsection**

The OB has been installed on the "B" side and tests are being conducted. There is a phasing problem with the platen being resolved. Testing of the "B" side will continue and should be completed by 10 March. The "A" side OB is scheduled to be installed by 12 March with a complete TCA buildup by 15 March.

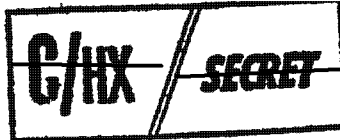
III. Meetings Requiring Participation of Headquarters Personnel

<u>Date</u>	<u>Subject</u>	<u>Attendees</u>
<u>PE</u>		
1 Mar.	SN-004 Readiness Review	
3 Mar. (tent)	Film Taper Problem	
<u>RCA</u>		
4 Mar.	P4-3 Takeup Buyoff	

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<u>Date</u>	<u>Subject</u>	<u>Attendees</u>
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Westover AFB

1 - 5 Mar.	SN-002 and SN-003 Data Evaluation
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Kohler

EK

4 Mar.	Film Scheduling and Core Data Review
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HQ

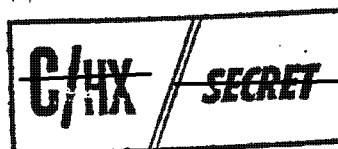
2 Mar.	Q. A. Manual Revision Working Session
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DONALD W. PATTERSON
D/PRS/OSP

Distribution:

Cy 1 - D/OSP
Cy 2 - ADD/OSP
Cy 3 - D/PRS/OSP
Cy 4 - EO/OSP
Cy 5 - SA/IS/OSP
Cy 6 - CS/OSP
Cy 7 - C/PAD/OSP
Cy 8 - C/SB/OSP
Cy 9 - C/SS/OSP
Cy 10- RB/OSP
Cy 11 - PRS/File
Cy 12- PRS/Chrono
Cy 13- NEPO
Cy 14- WCPO

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