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BYE-106641-70
Copy of 14
3 April 1970

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 34

I. CORONA

A. Accomplishments

- 1. CR-13 Dr. "A" grid installation is in progress. Disc tracking completed and acceptable after new take-up was installed.
- 2. Move plans are being finalized with the security, training, and people plans are either ahead of or on schedule. Inventories should be completed during the middle of April. Progress continues on Buildings 152 and 156 refurbishments. In 152, the major area partitions are in place and shaker concrete has been poured.
- 3. Modified constant tension assemblies will have been delivered for all remaining systems by mid-April.
- 4. Documentation classification analysis continued. It is expected that preliminary determination of AP classified material storage will be known by 10 April.

B. Problems

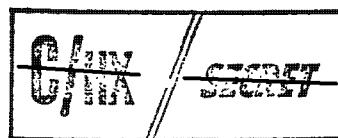
- 1. Currently, a piece of tape is thought to have been responsible for the CR-13 Disc take-up failure reported last week. Analysis is still being accomplished.
- 2. Not a problem yet, but something to watch, is the impact of the teamsters strike on the delivery of items for Bldg. 152 and the planned move.

GROUP 1
Excluded from automatic
downgrading and
declassification

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C. Projected Status

1. CR-11. Post-storage functional tests.
2. CR-12. Storage preps.
3. CR-13. Environmental test preps.
4. QR-2. Functional test preps.
5. CR-14. System tracking preps
6. CR-15. Receiving inspection.

II. HEXAGON

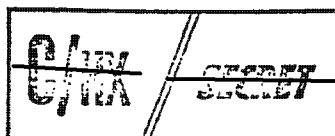
A. General

1. The checkout of AP programs on the IBM 360 mod 65 computer is progressing satisfactorily. There are no known problems at this time that would prevent meeting the 1 May target date of releasing the mod 50. This week has been spent compiling and checking out individual programs. Initial job-stream flow and program compatibility testing (CPX) will begin next week.

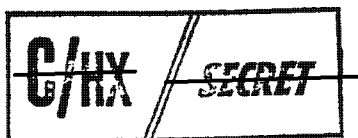
2. The forward section was demated from the SDV III vehicle on 31 March. P.E. (E. Wolpin) in conjunction with SBAC engineering laid out the SSC-supplied cables and marked the forward section structure for cable clamps and brackets. SBAC will drill holes in addition to other work and return the forward section to P.E. for the start of forward section buildup on 9 April 1970.

3. SSTC #3 checkout was resumed when SBAC furnished a master mux. Archive tapes from Danbury's Chamber "A" are being used to acquaint the field group with the AVE/SSTC interface.

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4. The EMI filter mod installation on DM 1, 2, and 3 take-ups began 1 April. The structural integrity of the brake appears marginal after the mod. However, this is not the flight configuration of the brake, and both the location of EMI mod and the brake are being checked on DM 4 and the Flight Model take-ups.

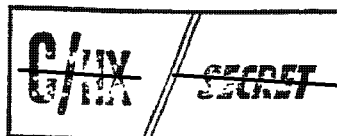
5. A Project Office team has been established which will review the "D" Model preliminary FACI data and later will conduct the formal FACI on the P-1 Model. P.E. has delivered to the Resident Office about 25 cubic feet of "pre-FACI" material which will be reviewed next week by the Project Office team and SETS. The remainder of the material is expected to be available, at least in preliminary form, by the end of April. The Preliminary FACI will serve the general purpose of defining the configuration of the "D" Model, the tests conducted, and the adequacy of the information provided. This type information will be utilized in deriving more specific guidance to the contractor for the content of the formal FACI package.

6. The two 105K film rolls for the DM R&I backup will be sent to the West Coast on 6 April. Kodak is currently making a batch of 45% RH (+ 5%) SO-236 (the SO-380 replacement) in order to meet a 5 May need date for P-2's Chamber "A" test. 40% RH (maximum) SO-236 will be available in July and will be flown on P-1.

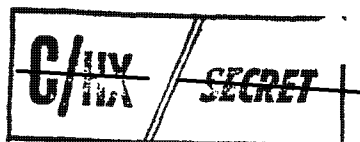
7. Planning efforts are under way for a color processor at Perkin-Elmer. Facility modifications should not be a problem, since space was provided for such a contingency.

8. The Project Office received P.E.'s lists of required TFE/AGE spares in preparation for next week's provisioning conference. The dollar amount of bench level (piece part) spares were \$59,000.00 for TFE and \$80,000.00 for AGE. A maximum of \$70,000.00 for TFE bench level spares has been allocated. The Project Office will provide the initial stock of bench level spares and, thereafter, the Contractor shall maintain the stock level.

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B. Development Model

1. Camera "B" completed 100°F and 70°F tests in vacuum and in air without any changes in the OB torque. OB "A" is still exhibiting high torque, and P.E. is starting to troubleshoot in front of the chamber today. There is some indication that the high torque in Camera "A" developed during the photographic runs at 100°F.

2. DM-4 take-up failed qual vibration twice this week, both times due to the builder roller arm uncaging. Operationally, this would be a catastrophic failure. However, the builder roller did remain caged during the first two qual shocks and vibration tests. Since DM-4 has gone through five partial qual tests, there is some cause to believe that there is a wear-out problem. The Project Office is planning to tie this builder roller down, complete the remaining axis vibration test on DM-4, and ship it. Additional testing to demonstrate a fix will be done on a breadboard.

C. Flight Article #1

Both platens have been removed from the TCA to repair damage to the film marking light pipe blocks. The damage is believed to have occurred during the light leak test when the sensitometric film was in the system. The TCA is now expected to be installed into the midsection on 6 April vice a 1 April schedule date.

D. Flight Article #2

1. Progress on P-2 during the week consisted primarily of routine assembly. Alignment has been completed. Platen B was removed after alignment and will be subjected to another vibration test to verify that the 2A4 wiring problem (reported last week) has been corrected.

2. Lockheed has advised that the P-2 midsection will be delivered on 6 April. Since this is three weeks late to P.E.'s scheduled need date of 16 March, there may be some impact, but this cannot be assessed until P.E. reviews the midsection assembly schedule to determine if SBAC has incorporated all the changes that resulted from the recent S&M IFWG meetings.



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III. Meetings Requiring Participation of Headquarters Personnel

<u>Date</u>	<u>Subject</u>	<u>Attendees</u>
<u>P.E.</u>		
7, 8, 9 Apr	Review Pre-FACI Package	[redacted] (respectively)
8 Apr	Review "D" Model EMC Qual Test Results	[redacted]

LMSC

8 Apr	OPS IFWG	[redacted] Johnson, Webb
8 Apr	A&T IFWG	Burks
9 Apr	Schedule IFWG	[redacted]
9 Apr	ATU Review	[redacted]
9-10 Apr	BOB Tour of LMSC	Crowley, [redacted]

[redacted]

7-9 Apr	Spares Provisioning Conf.	[redacted] Fitzgerald [redacted] (7-8 only)
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WESTOVER AFB

9-10 Apr	Chamber "A" Data Review	Kohler [redacted] Burks, [redacted] day only)
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RCA

6 Apr	DM-4 and P-1 Series Status	[redacted]
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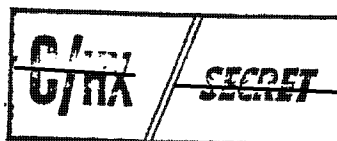
Hqs.

7 Apr	Schedule Review	Staff [redacted]
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PMO/PRS/OSP

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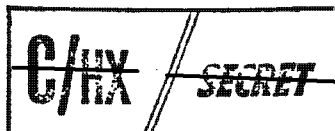


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Distribution:

Cy 1 - D/OSP
Cy 2 - DD/OSP
Cy 3 - D/PRS/OSP
Cy 4 - EO/OSP
Cy 5 - C/D&AD/OSP
Cy 6 - CB/OSP
Cy 7 - C/PAD/OSP
Cy 8 - C/SB/OSP
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Cy 13 -
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