



BYE-107909-71

Copy 16 of 14

5 March 1971

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 82

I. CORONAA. Accomplishments

1. CR-14 (Mission 1114) is in its final readiness for launch on 24 March 1971, and normal mission preparations are currently taking place. Preliminary camera operations data are being sent to the SOC today for editing.

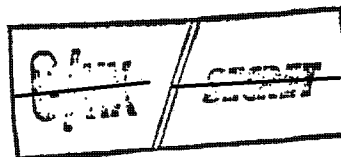
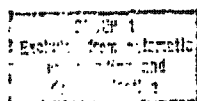
2. The six-pack study group met at the WCPO on 4 March. The purpose of the meeting was an information exchange and further definition of size, weight, stand time, and constraints. The study completion target date is 26 March 1971.

B. Problems

No major problems.

C. Projected Status

1. CR-14. Flight preps (readiness).
2. CR-15. Backup preps.
3. CR-16. Block preps.
4. CR-8. Final integration.

HANDLE VIA BYEMAN  
CONTROL SYSTEM ONLY



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**II. HEXAGON**

**A. General**

1. The Project Office Acceptance Team and Perkin-Elmer are presenting to Mr. Patterson and Mr. Dirks today the results of the SN-002 Chamber "A" acceptance tests. The Acceptance Team has recommended a retest at Danbury after adjustment to the "F knob" to optimize on-orbit performance in the plus or minus 30 degree region, but some technical and operational questions must be answered before this decision can be made. Shipment is scheduled for 9 March, pending resolution of the above question. The WCPO is supporting the technical evaluation of SN-002 with "MACFACT" runs of tests 11 and 14. This effort has resulted from PE's inability and/or refusal to run "MACFACT" at Danbury in support of the government Acceptance Team.

2. Negotiations of the follow-on contracts still awaits receipt of the auditor's report.

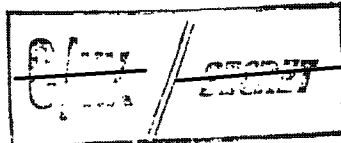
3. The acceptance test spec for the 'TUNITY software modifications was reviewed by PE, SSPO, [ ] and SCF on Tuesday afternoon with no significant problems. Work is apparently proceeding well and on schedule. Output from the modified 'TUNITY software will be checked by the group on approximately 16 March.

4. The WCPO has supported PE/WCFO in their analysis of Chamber A-2 resolution data on SN-003. The "resolute" program was run, and summary resolution data sent to Westover, Headquarters, and PE on 4 March.

5. The WCPO acted as backup for Westover in the running of some "FIDAP" data on 4 March. This backup was necessitated by computer problems at Westover. The required support was minimal and did not impact other WCPO computer users.

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6. The WCPO computer utilization (in percentage)  
for February was as follows:

CORONA	19.87
HEXAGON	49.00
MRI	6.79
OEL/ORD	6.00
ESL	1.59
SYSTEM MAINT.	5.48
OTHER	11.27
METERED HOURS	293

NUMBER OF

JOBS PROCESSED 3358

Messrs. [ ] of the Office of Computer  
Services are developing and testing software for the [ ]  
project utilizing the WCPO Computer Facility.

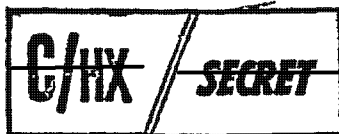
B. Model Status

1. Development Model (SDV-III)

R-8 day tests have been successfully completed.  
Phase III of the compatibility tests have begun and  
should be completed this evening. The R-1 day meeting  
is scheduled for 13 March at VAFB.

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**2. SV-1 (SN-003)**

a. The A-2 Chamber tests were successfully completed, taking about five days longer than planned due to (1) excessive time required for temperature stabilization of SV-1 in the chamber (3 days); (2) time required between camera operations were longer than originally planned. Recent PE data indicated that, to obtain good data, especially in the platen area, there needed to be about 3-4 hours of "cool" time between operates. This added about one day; (3) it took about 22 hours to "dive" the A-2 Chamber (the stabilizing temperature was about 59 degrees versus the 70 degrees expected).

b. A-1 Chamber preps are in progress. PE/WCFO has completed the microswitch changes (ECP 8298) on the builder rollers. The builder roller shim change (ECP 8226) is in progress and should be completed on all takeups. PE's chamber preps, including testing of the builder roller changes, should be completed by 8 March. SV-1 is scheduled to be in Chamber A-1 on 9 March.

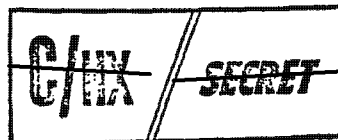
**3. SV-2 (SN-002)**

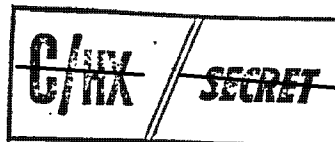
**a. Forward Section**

McDonnell Douglas has been working on the FS this week. RV-1 has been installed, and all RV's are now in place. PE/WCFO has been waiting for retrofit instructions for the builder roller changes and the resolution of similar tracking problems (wedging) at Danbury. Retrofit instructions arrived on 1 March.

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**b. Midsection**

See paragraph II. A. 1.

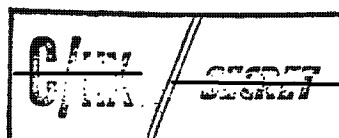
**4. SV-3 (SN-004)**

SN-004 is being prepared for midsection shake which is scheduled to be completed by 8 March, and the post-vibration functional test is to be completed by 11 March.

**III. Meetings Requiring Participation of Headquarters Personnel**

<u>Date</u>	<u>Subject</u>	<u>Attendees</u>
<u>LMSC</u>		
10-11 Mar	Operations IFWG	<input type="text"/>
<u>Vandenberg AFB</u>		
12-13 Mar	R-Day Meeting	Burks, <input type="text"/> <input type="text"/>
<u>PE</u>		
10 Mar	Film Core Meeting	<input type="text"/>
<u>NRO</u>		
11 Mar	FY 71 Fiscal Status	<input type="text"/> Patterson, <input type="text"/>
<u>HQ</u>		
8-9 Mar	Project Officers Course	<input type="text"/>

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10 Mar

DD/S&amp;T Course

Patterson, 

7 Mar

Follow-on Negotiations  
with PE  
**AD/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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