

~~C/HX~~ // ~~SECRET~~

RB/05



BYE-108580-70
Copy 12 of 13
10 October 1970

MEMORANDUM FOR: Director of Special Projects

SUBJECT: Photo Reconnaissance Systems Report No. 61

I. CORONA

A. Accomplishments

1. The CR-13 instrument 327 lens cell was shipped to Itek.

2. QR-2 has replaced CR-13 for the 18 November Mission 1112 launch.

3. CORONA software personnel are doing preliminary planning for Mission 1112 and final checkout of CORONA software on operating system version 18.

B. Problems

None

C. Projected Status

1. QR-2 Pre-flight preps.

2. CR-14 Back-up preps.

3. CR-15 HIVOS tests.

4. CR-16 Acceptance tests.

5. CR-13 Standby for cell replacement.

6. CR-8 Storage.

~~C/HX~~ // ~~SECRET~~

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY

~~C/NX~~ // ~~SECRET~~

SUBJECT: Photo Reconnaissance Systems Report No: 61

II. HEXAGON

A. General

1. A fact-finding review for the follow-on contract was initiated on 6 October. Perkin-Elmer was most cooperative in supplying the basic work sheets from which man-loading/task costs were developed. The work sheets will be reviewed at Headquarters prior to a second meeting at Perkin-Elmer to obtain answers to specific questions.

2. The tests of thermal effects on a large film stack which has an initial low core pressure have been completed. The results are that there is no question of film blocking or cinching when the supply is exposed to temperature changes of from 70° to 40° F or from 70° to 100° F and return to 70° F, if the initial core pressure is equal to or greater than 250 psi.

3. An informal review of the qualification test status discloses:

A. The platen has completed 5 of 14 tests planned. The remainder will be conducted pending the availability of test equipment (Chamber E) subsequent to current film stack tests.

B. The qualification tests on the FEV have been completed, and the report is in preparation.

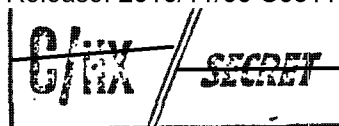
C. The fifth color band for the longitudinal color test was to have been conducted 8 October 1970, but was cancelled because of test equipment failure. No new date has been established.

D. The qualification certification meetings for the RADINC electronic boxes will be scheduled for the week of 26 October.

BYE-108580-70
Page Two

~~C/NX~~ // ~~SECRET~~

HANDLE VIA BYEMAN



SUBJECT: Photo Reconnaissance Systems Report No. 61

4. The HEEP (HEXAGON Exposure and Ephemeris Program) software being prepared by LMSC (OS P contract) personnel in support of the WCPO Operations staff is proceeding on schedule.

B. Model Status

Development Model (SDV-III)

The vehicle is back in the VIS, and the post-pyro shock vertical baseline test was completed on 8 October.

SV-1 (S/N 003)

Forward Section

Buildup is halted, awaiting receipt of RV/TUA from MWC. On resumption of assembly activities, the F/S buildup cycle can be completed in approximately 25 working days.

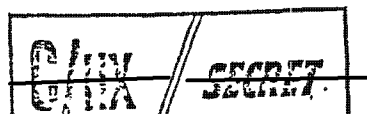
Midsection

The 93° F tests were completed on 7 October. There were no reported anomalies. The chamber has been repressurized and the 93° F film removed. A retest at 70° F, in vacuum, in Chamber "A" is scheduled for 10 or 11 October. Post-Chamber "A" horizontal and vertical baseline tests should be run during the week of 12 October. Shipment is now planned for 19 October.

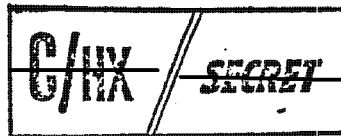
SV-2 (S/N 002)

Ready Room "A" tests are scheduled to start on 15 October. The Two-Camera Assembly is in the clean room going through final checkout on the "B" camera. The "A"

BYE-108580-70
Page Three



HANDLE VIA BYEMAN



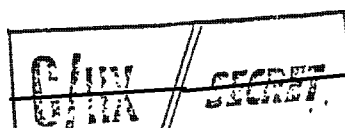
SUBJECT: Photo Reconnaissance Systems Report No. 61

Camera is complete. The supply FEV air bars are being cleaned because of contamination found in the air bars. Chamber "A" tests are scheduled to start on 8 November. The planned ship date is 17 December.

III. Meetings Requiring Participation of Headquarters Personnel

<u>Date</u>	<u>Subject</u>	<u>Attendees</u>
<u>P.E.</u>		
12-15 Oct	Photographic Evaluation S/N 003	Kohler, <input type="text"/>
14 Oct	Spares and Logistics Program Review	<input type="text"/>
15-16 Oct	Electro/Mechanical (E/M) Acceptance Data Review	<input type="text"/>
16 Oct	OSP Technical Advisory Panel	Crowley Patterson, <input type="text"/>
<u>RCA</u>		
14 Oct	P3-2 & 4 Buy-Off	<input type="text"/>
<u>HQ</u>		
13-14 Oct	Review E/M Acceptance Data with SETS	<input type="text"/>

BYE-108580-70
Page Four



HANDLE VIA EYEMAN
CONTROL SYSTEM ONLY



SUBJECT: Photo Reconnaissance Systems Report No. 61

LMSC

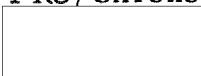
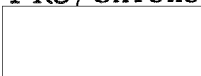
13-14 Oct

TT&C IFWG



PMO/PRS/OSP

Distribution:

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

BYE-108580-70
Page Five



HANDLED VIA SYSTEM