

Copy No. [REDACTED]
14 April 1969

TO: [REDACTED]
INFO: [REDACTED]
FROM: [REDACTED]
SUBJECT: Monthly Activity Report - March 1969

1. The following Activity Report is a summation of major events in the CORONA Program which occurred during the month of March 1969.

2. CR-7 completed Dr. "A" HIVOS testing with SO-230 film; DISIC S/N 11 accompanied this system. The results of this test were as follows:

- A. 2 pi-corona on forward-looking instrument - rollers were replaced.
- B. A horizon optic was defective - binding was discovered and corrected.
- C. DDSC (Dual Data Signal Conditioner) defective - schmitt trigger replaced.
- D. PMU failed to provide proper pressure level - adjustments were made.
- E. DSR did not clear correctly - additional testing was performed. Results indicate possible temperature sensitivity at altitude.



F. DISIC

- (1) SLP Data Block on terrain malfunctioned - further testing being done (possible problem with harness).
- (2) Corona marking on both terrain and stellar - rollers were cleaned.

Because of the above problems, an abbreviated HIVOS test was started during the last of March using 3404 film in place of SO-230.

3. CR-8 System holding for UTB film modifications. Recommendations will be made upon completion of special UTB testing at

4. CR-9 acceptance and function testing completed.

5. J-43 (Mission 1050) successfully launched from on 19 March 1969. During Rev 22 one of the Agena control thrust valves failed to operate resulting in a vehicle yawing at a rate of approximately one half degree per second. Due to the high drag and consumption rate of the control gas, the Mission was necessarily shortened.

The "A" and "B" buckets were successfully recovered on Friday, 21 March, and Saturday, 22 March 69 respectively. Due to the failure of the control system, the life boat pneumatic control system was activated for both recoveries. (The life boat system is isolated from the primary control system using a separate control gas reservoir and separate thrust valves.)

6. J-44 System completed Block testing and started preflight readiness. Mission 1051 (J-44) scheduled for 14 May was rescheduled for 2 May 1969 due to new intelligence requirements. There exists a possibility that this date may slip as Lockheed Sunnyvale is trouble shooting failure modes in the thrust valves and horizon sensors.

7. J-46 function testing completed.

8. All remaining J-1 systems, CR-7 and CR-9 will use 3404 film. If UTB testing is successful, all other J-3 systems will use SO-380 (UTB) film.

