[redacted]

Copy No. [redacted]

4 January 1968

MEMORANDUM TO HEADQUARTERS

TO: [redacted]

INFO: [redacted]

FROM: [redacted]

SUBJECT: Monthly Activity Report - December 1967

1. The following activity report is a summation of important events in the CORONA program which occurred during December 1967. The chronological order of events are summed in the Weekly Activity Reports.

2. CR-2 - On 9 December 1967 CR-2 was launched. During the mission several special engineering tests were conducted. A through exposure using the five position exposure control (slit width) device, a test of the SF05--a multi-spectral filter, and a test on the SF09--a polarizing filter. Preliminary reports indicate satisfactory operation of these items; however, as of this time no rigorous evaluation has been made of these tests. A split load of 3404 and SO-230 film was flown to note the difference in these two films. The recoverable tape recorder was flown in this mission, thus aiding the diagnostic and user (NPIC) in the examination of the product.

The DISIC subsystem showed an apparent anomaly in the index shutter, thus producing multiple images on the last 250-300 frames. This anomaly is under investigation.

No anomalies occurred which resulted in any degradation of the mission. Both halves of this mission were assigned an MIP of 100.

3. CR-3 - During the month of December 1967 the CR-3 system underwent Hivos testing which was completed on 20 December. The level of Corona on this system was much less than has been recorded on previous J-3 systems.

An anomaly in the tuna system was found during tests, upon completion of the cut and splice operation the cutting bar was not released due to a

faulty catch for the cutting bar, this was corrected by a modification of this unit. Preliminary test showed that the modification is effective.

4. CR-4 - During December the various subsystems underwent their individual acceptance tests. During the test the nod dots showed certain anomalies--the dots were missing in places and dim in other places. The cause was found to be in the power supply. When the fiducials fired, the voltage dropped and the nod dots did not appear or were dim. This problem is being solved by adding a separate power supply for the fiducials and the other incandescent lamps on the main cameras. All other systems are normal and no slip is expected. [redacted] will test above fix in a system at [redacted] prior to committing the fix for flight.

5. CR-5 - The structures for the CR-5 was received at [redacted] on 28 December 1967. The schedule for this system is as follows:

Main Camera Buy-Off	15 & 16 January 1968
[redacted] System Tests	24 January 1968
DISIC Interface Tests	20 February 1968
Tracking Tests	11 March 1968
Functional Tests	2 April 1968
Hivos	1 May 1968

6. QR-2 - The UBT modifications for the main camera system and the DISIC subsystem are complete. The tracking test are complete and preparations for the Hivos tests are underway. The QR-2 UTB tests are expected to be completed by 6 February 1968.

7. Managers' Meeting - At the Managers' Meeting on 19 December 1967 the following major items were discussed:

a. CR-2 flight results.
b. 20 day on-orbit operations (using a 3/4 speed H-timer).
c. Tape recorders for all CR flights.
d. Requirement specs for follow-on systems.
e. Associate Contractors' status.

A complete report of this meeting is contained in a [redacted] to [redacted] memorandum of 20 December 1967.

[redacted]