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1 August 1968

MEMORANDUM TO HEADQUARTERS

TO: [redacted]

INFO: [redacted]

FROM: [redacted]

SUBJECT: Monthly Activity Report - July 1968

1. The following Activity Report is a summation of major events in the CORONA Program which occurred during the month of July 1968.

2. J-47 flight problems (cut and wrap) investigations continuing.

3. CR-4 During July, CR-4 underwent final flight preparations. Engineering plan was completed and issued to the Community. Final payload selection was as follows:

Forward-looking camera: 15,200 feet 3404, 800 feet SO-180

Aft-looking camera: 16,300 feet 3404

The flight filters selected were the Wratten 25/Wratten 15 + N.D. for the forward-looking camera and the Wratten 21/SF05 for the aft-looking camera. This selection will permit operational bi-spectral photography.

The use of the SO-180 film requires that the pressure make-up unit (PMU) supply a lower than normal pressure (16 microns for SO-180 versus 50 microns for 3404). This change will be accomplished by the material changer detector supplying a signal to switch orifices on the PMU, thus permitting optimum pressure ranger for both types of

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film. The planned launch date of Mission 1104 (CR-4) is 7 August 1968.

4. CR-5 During July CR-5 completed post-environmental modifications. A DC/DC converter, while in tests, did not meet specs. This was replaced and testing resumed. An underrated transistor in the power supply was replaced by Boston. This was done to prevent possible burnout due to high voltage spike. CR-5 is scheduled to be launched in late October 1968, with a load of 24,000 feet of SO-380 (UTB) in the forward-looking instrument and a mixed load of 23,200 feet SO-380/500 feet SO-121 (color film), aft-looking instrument.

5. CR-6 This system finished necessary modifications and tests in order to start compatibility tests with the Agena. The compatibility tests are scheduled to start on 1 August 1968.

6. CR-7 This unit has finished acceptance testing. Light leak and continuity checks have been satisfactorily completed. System functional testing is scheduled to start in early August.

7. DISIC Subsystem DISIC S/N-7 was the first unit which had the 3:1 stellar to terrain ratio eliminated. This will insure stellar coverage for UTB flights having an increased number of pan operations. All future flight will have this modification.