

DATE 2145Z 31 MAR 65

~~SECRET~~

TO : DIRECTOR

FROM : [REDACTED]

ACTION:

INFO :

TOR: 2350Z 31 MAR 65

ROUTINE #14000 38264

TO [REDACTED] INFO

CITE [REDACTED]

CORONA

REF A. [REDACTED]

B. [REDACTED] (NOT SENT [REDACTED])

1. [REDACTED] HAPPY THAT [REDACTED] OFFICE PRESENTLY EVALUATING [REDACTED] STUDY REPORT ON S/I PROGRAMMER. AS PROGRAM OFFICE WAS INFORMED IN [REDACTED] TELECON, 30 MARCH, AUTOMATIC ELECTRIC STEPPING SWITCH WAS INCORPORATED UNDER [REDACTED] (ALSO RECD [REDACTED] DTD 27 APRIL 64, AND WAS EFFECTIVE ON SYSTEMS M-28 AND SUBSEQUENT, AND ON SYSTEMS J-11 AND SUBSEQUENT. PROGRAM OFFICE MAY ALSO BE INTERESTED IN LEARNING THAT HEAVY DUTY SHI HAVE BEEN INSTALLED ON J-11 AND SUBSEQUENT AND HEAVY DUTY SOLENOIDS HAVE BEEN INSTALLED ON J-17A., J-14 A AND B, J-19 A AND B, AND ARE INCORPORATED IN ALL UNITS. IN-HOUSE OR TO BE DELIVERED.

2. IN VIEW OF CHANGES MADE EFFECTIVE J-11 AND SUBSEQUENT, BELIEVE ONLY PROBLEMS ASSOCIATED WITH SUBSEQUENT SYSTEMS PERTINENT TO CONSIDERATIONS OF RELIABILITY IMPROVEMENT.

PROBLEMS SINCE AND INCLUDING J-11:

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GROUP 1 EXCLUDED FROM AUTO-DECLASSIFICATION AND DOWNGRADING

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. COPY NO. [REDACTED]

Declassified and Released by the NRC
In Accordance with E. O. 12958
ON NOV 26 1997

- [REDACTED]
- J-11 NONE
 - J-3X NONE
 - J-13A DFC DID NOT RECEIVE UNREG VOLTAGE DURING NORMAL OPERATION ON SLAVE.
 - J-15 NONE
 - J-15B ERRATIC METERING LAST HALF ON MSN. CONTRIBUTED TO ERRATIC OPERATION OF K-704.
 - J-17 NONE
 - J-14A NONE
 - J-14B ERRATIC METERING THROUGHOUT MISSION, FAULTY METERING SOLENOID. SOLENOID CHANGED JUST PRIOR TO FLIGHT AND ONLY 220 CYCLES RUN PRIOR TO LAUNCH.
 - J-19 NBR 3 PROGRAMMER FAILED AFTER 55 CYCLES OF "A" MISSION. UNIT SLOWED WHEN COMMANDED. PROBABLE CAUSE: BLOWN FUSE IN PROGRAMMER UNITS.

3. THE FUSE WHICH APPEARS TO BE THE FAILURE MODE IN THE J-19 SI EXISTS BECAUSE SI IS A SECONDARY COMPONENT IN THE CORONA SYSTEM, AND ALL SECONDARY SYSTEMS ARE FUSED. [REDACTED] MAY RECALL THAT AT A MEETING IN LOS ANGELES [REDACTED] SUGGESTED THAT IF SI WAS TO BE CONSIDERED A PRIME REQUIREMENT BECAUSE OF MAPPING MISSION, THAT WE MAY WISH TO REMOVE THIS FUSE. [REDACTED] IS EXPLORING THE CONSUMERS SI REQUIREMENT THROUGH [REDACTED] AND SYSTEMS INTEGRATION SECTION AT [REDACTED] AND [REDACTED] LIAISON OFFICER AT [REDACTED] HAVE BEEN ASKED TO STUDY THE SYSTEMS IMPLICATIONS.

4. [REDACTED] REP AT [REDACTED] WILL PROVIDE DETAILS OF J-19 AND OTHER FAILURE

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PAGE THREE

ANALYSIS AT NEXT MONTHLY (SIC) MEETING. IN VIEW OF ANALYSIS PRESENTED
ABOVE EFFORTS INCIDENT TO AND DNRO DIRECTION SUPPLIED REF B, DESIGN
REVIEW CONSIDERED UNWARRANTED AT THIS TIME.

END OF MESSAGE

~~SECRET~~