

CLASSIFIED MESSAGE

ROUTING

1740Z 05 DEC 60

~~SECRET~~

DIRECTOR

[REDACTED]

DPD (1,2,3,4,5,6,7,8,9,10)

S/C (11)

DKD

TOR: 1825Z 05 DEC 60

[REDACTED]

INFO

READ

CORONA

ACTION  
CY TO:

This document  
referring to

CITE

1. INSTRUMENT NUMBER 19 OPERATED 107 CYCLES ON DEC. 3 TO ESTABLISH BASELINE T/M FOR LOADING AND COUNTDOWN FOR T/M ANALYSIS. THIS SHOWS 99-101 SWITCH IS OPERATING 8 CYCLES AT 101, 7 CYCLES ON 99 ON THE AVERAGE. THIS IS CONSIDERED EXCELLENT. THE INPUT METERING AND EXIT METERING ROLLER COMMUTATORS SHOW CONSISTENT AMOUNT OF FILM PASSING INTO AND OUT OF THE INSTRUMENT SYSTEM. THE CASSETTE AND MAIN MOTOR VOLTAGES ARE AT NOMINAL VALUES. THE TAKE-UP SPOOL COMMUTATOR INDICATES GOOD CASSETTE OPERATION AND TAKE-UP RATE IS CONSISTENT WITH OUTPUT METERING ROLLER RATE. VISUAL TRACKING CHECK SHOWS INSTRUMENT TRACKING IS NORMAL.

2. ANALYSIS OF T/M RECORDS FROM LOADING OPERATIONS 4 DEC SHOWS INSTRUMENT OPERATIONS ARE ESSENTIALLY THE SAME AS THOSE OF THE BASELINE RUN. IT IS CONSIDERED BY PRIME AND BOSTON THAT THE INSTRUMENT IS FLIGHT WORTHY AND HAS BEEN SO CERTIFIED IN ACCORDANCE WITH PRIME PROCEDURE 9010.

3. FOLLOWING OBSERVATIONS WERE NOTED BY BOSTON IN PROCEDURE 9010:

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In Accordance with E. O. 12958

NOV 26 1997

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"FOLLOWING CHANGES HAVE BEEN MADE FOLLOWING HATS TEST:

A. OUTPUT SHUTTLE REPAIRED, TENSIONS CHECKED PER SPEC.

B. SUPPLY TORQUE MOTOR, FUSE CHANGED TO 1/2 AMP. (ORIGINALLY 1 AMP). MAXIMUM RUNNING CURRENT MEASURED AT 250 MILLI-AMPS. STALL CURRENT TO BLOW FUSE IS 580 MILLI-AMPS IF TRANSISTOR SHOULD SHORT OUT. FACTOR OF SAFETY ON THIS DEVICE IS UP AS A RESULT OF THIS MODIFICATION.

C. TRACKING ORIGINALLY SET FOR BOTH LEADER AND FILM. TO CHANGE FOR OPERATION ON FILM ONLY WOULD REQUIRE AN INPUT SKEW ROLLER ADJUSTMENT. THIS WOULD REQUIRE EXTENSIVE ADDITIONAL TESTING WITH ONLY A SMALL INCREASE IN RELIABILITY".

4. PRIME NOTES THAT 1/2 AMP FUSE SUBSTITUTED IN SUPPLY TORQUE MOTOR CURCUIT IS FLIGHT QUALIFIED BY VIRTUE OF FACT THAT IT MEETS STANDARD MIL SPECS AND IS THE SAME TYPE USED ELSEWHERE IN C SUBSYSTEM.

END OF MESSAGE

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