

CLASSIFIED MESSAGE

FIG. 9-66

DATE

8 MAR 1967

~~TOP SECRET~~

1	10
2	11
3	12
4	13
5	14
6	15
7	16
8	

TO :
FROM :
ACTION:
INFO :

[REDACTED]

[REDACTED]

TO INFO CITE

~~TOP SECRET~~ 080340Z CITE [REDACTED]

PRIORITY [REDACTED] INFO PRIORITY [REDACTED]

A. 1039-2

B. APPARENTLY NORMAL

C. (1) OPERATIONAL THROUGHOUT THE MISSION. THE MATERIAL WAS EXHAUSTED IN PASS D173, FRAME 53 (PARTIAL FRAME). CAMERA NUMBER 206.

(2) OPERATIONAL THROUGHOUT THE MISSION. THE MATERIAL WAS EXHAUSTED IN PASS D173, FRAME 90 (PARTIAL FRAME). CAMERA NUMBER 207.

D. (1) OPERATIONAL THROUGHOUT. THE DIGIT 2 OF THE CAMERA NUMBER DOES NOT APPEAR.

(2) OPERATIONAL THROUGHOUT. THE BINARY INDEX LAMP IS BLOOMED. THE DIGIT 2 OF THE CAMERA NUMBER DOES NOT APPEAR.

E. (1) OPERATIONAL THROUGHOUT.

~~TOP SECRET~~

GROUP 1 EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

Declassified and Released by the N R O

In Accordance with E. O. 12958

on NOV 26 1997

- (2) THE TIMING PIPS ARE MISSING FOR THE FIRST 2 TO 4 INCHES OF THE FIRST FRAME OF A FEW PASSES.
- F. (1) NONE NOTED.
(2) NONE NOTED.
- G. (1) OPERATIONAL THROUGHOUT. NO VEILING NOTED.
(2) OPERATIONAL THROUGHOUT. NO VEILING NOTED.
- H. OPERATIONAL THROUGHOUT THE MISSION. UNIT NUMBER D100/125/125. APPROXIMATELY 20 PERCENT OF EACH STELLAR FORMAT IS AFFECTED BY FLARE. STELLAR IMAGES CAN BE DETECTED IN THE FLARE AREAS. THE ENTIRE STELLAR RECORD CONTAINS SMALL PLUS DENSITY SPOTS WHICH APPEAR TO BE STATIC INDUCED. THE INTENSITY OF THESE SPOTS REMAINS GENERALLY CONSTANT THROUGHOUT. ALTHOUGH NUMEROUS, THEY DO NOT AFFECT THE DETECTION OF STELLAR IMAGES. APPROXIMATELY 20 TO 25 POINT TYPE STELLAR IMAGES CAN BE DETECTED IN EACH FORMAT. THE LAST 10 FRAMES ARE DEGRADED BY SCRATCHES, EMULSION GAUGES, AND PINHOLES ASSOCIATED WITH FILM DEPLETION.
- I. OPERATIONAL THROUGHOUT THE MISSION. D100/125/125. NO DEGRADATION NOTED. THE IMAGE QUALITY IS GOOD AND COMPARABLE TO THAT OBTAINED FROM RECENT MISSIONS OF THIS SYSTEM.
- J. (1) THERE IS FOG PRESENT ON FRAME FIVE AND THE SECOND TO LAST FRAME OF MOST CAMERA OPERATIONS. THE DENSITY VARIES WITH CAMERA OFF DURATIONS. THE IMAGE DEGRADATION RESULTING FROM THESE FOG PATTERNS IS MINIMAL.

(2) THERE IS FOG PRESENT ON THE THIRD TO LAST FRAME AND OCCASIONALLY ON THE SECOND TO LAST FRAME OF SOME CAMERA OPERATIONS. THE RESULTING IMAGE DEGRADATION IS MINIMAL.

(3) NONE NOTED.

(4) NONE NOTED.

K. (1) NONE NOTED EXCEPT THAT ASSOCIATED WITH MANUFACTURING SPLICES AND FILM DEPLETION.

(2) SAME AS (1).

(3) SEE STELLAR CAMERA OPERATION.

(4) NONE NOTED.

L. (1) THIN 15 PERCENT, MEDIUM 55 PERCENT, HEAVY 30 PERCENT.

(2) THIN 15 PERCENT, MEDIUM 55 PERCENT, HEAVY 30 PERCENT.

(3) ADEQUATE FOR DETECTION OF STELLAR IMAGES.

chiller (4) THIN 25 PERCENT, MEDIUM 65 PERCENT, HEAVY 5 PERCENT.

M. (1) LOW 20 PERCENT, MEDIUM 60 PERCENT, HIGH 20 PERCENT.

(2) LOW 20 PERCENT, MEDIUM 60 PERCENT, HIGH 20 PERCENT.

(3) ADEQUATE FOR THE DETECTION OF STELLAR IMAGES.

(4) LOW 30 PERCENT, MEDIUM 60 PERCENT, HIGH 10 PERCENT.

N. (1) GOOD. COMPARABLE TO 1039-1.

(2) GOOD. COMPARABLE TO 1039-1 AND SLIGHTLY BETTER THAN THE FORWARD CAMERA MATERIAL.

MIP. 85.

(3) GOOD. COMPARABLE TO THAT OBTAINED FROM RECENT MISSIONS OF THIS SYSTEM.

O. (1) RAIL SCRATCHES ARE CONTINUOUS ALONG BOTH FILM EDGES THROUGHOUT THE MISSION. A MANUFACTURING SPLICE WAS NOTED IN FRAME 9, PASS 105D AND FRAME 20, PASS 166D. THE LAST 8 FRAMES CONTAIN NUMEROUS FOG PATTERNS, EMULSION GAUGES PINHOLES AND SCRATCHES ASSOCIATED WITH FILM DEPLETION.

(2) RAIL SCRATCHES ARE CONTINUOUS ALONG BOTH FILM EDGES THROUGHOUT THE MISSION. THE FORMAT EDGE AT THE CAMERA NUMBER IS VERY RAGGED FROM THE TAKE-UP END OF EACH FRAME THROUGH THE SECOND SHRINKAGE MARKER. A MANUFACTURING SPLICE IS PRESENT IN FRAME 35, PASS 103D AND FRAME 123 OF PASS 149D. THE LAST 10 FRAMES CONTAIN NUMEROUS FOG PATTERNS, SCRATCHES EMULSION GAUGES AND PINHOLES ASSOCIATED WITH FILM DEPLETION.

(3) GOOD.

(4) GOOD.

(5) GOOD.

- P. (1) A. 7967 FEET C. STELLAR 57 FEET
 B. 8032 FEET D. INDEX 113 FEET
- (2) A. 3011 FRAMES C. STELLAR 472 FRAMES
 B. 3033 FRAMES D. INDEX 472 FRAMES

Q. 7 MARCH 1967 21:45 EST.

R. REMARKS:

(1) THE END OF PASS MARKER WAS MISSING ON THE ENTIRE FORWARD CAMERA RECORD. THE LAST 3 1/2 FEET OF THE FORWARD CAMERA MATERIAL

~~TOP SECRET~~

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WAS REMOVED DURING PRESPLICE DUE TO EXCESSIVE DAMAGE. IT WAS HAND
PROCESSED AND WILL BE AVAILABLE FOR INSPECTION BY THE PET.

(2) THE PERCENTAGE OF FILM PROCESSED AT EACH LEVEL OF
DEVELOPMENT WAS:

PRIMARY INTERMEDIATE FULL

FWD 32 34 34

AFT 30 41 29

~~TOP SECRET~~ TOR: 080420Z MAR 67

~~TOP SECRET~~