

DATE

21 JAN 1967

~~TOP SECRET~~

1	9
2	10
3	11
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5	13
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TO :
FROM :
ACTION:
INFO :

[REDACTED]

[REDACTED]

TO INFO CITE
~~TOP SECRET~~ 212159Z CITE [REDACTED]
PRIORITY [REDACTED] INFO PRIORITY [REDACTED]

[REDACTED]

A. 1038-1

B. APPARENTLY NORMAL

C. (1) OPERATIONAL THROUGHOUT. THE MATERIAL WAS CUT IN PASS D71
FRAME 70. (PARTIAL FRAME) CAMERA NUMBER 192.

(2) OPERATIONAL THROUGHOUT. THE MATERIAL WAS CUT IN PASS D71
FRAME 69 (PARTIAL FRAME) CAMERA NUMBER 193.

D. (1) OPERATIONAL THROUGHOUT. THE CAMERA NUMBER AND BINARY INDEX
LAMP ARE BLOOMED.

(2) OPERATIONAL THROUGHOUT. THE CAMERA NUMBER AND BINARY INDEX
LAMP ARE BLOOMED.

E. (1) OPERATIONAL THROUGHOUT. Declassified and Released by the N R O

(2) OPERATIONAL THROUGHOUT. In Accordance with E. O. 12958

F. (1) NONE NOTED.

(2) NONE NOTED.

on NOV 26 1991

~~TOP SECRET~~

GROUP 1
EXCLUDED FROM AUTO-
MATIC DOWNGRADING
AND DECLASSIFICATION

[REDACTED]

G.(1) OPERATIONAL THROUGHOUT. NO VEILING NOTED.

(2) OPERATIONAL THROUGHOUT. VEILING OF THE STARBOARD HORIZON CAMERA WAS NOTED BEGINNING ON PASS D05 AND CONTINUING THROUGHOUT THE REMAINDER OF THE MISSION.

H. OPERATIONAL THROUGHOUT THE MISSION. RESEAU NUMBER 112. APPROXIMATELY 50 PERCENT OF EACH STELLAR FORMAT IS AFFECTED BY FLARE. STELLAR IMAGES CAN BE DETECTED IN THE FLARE AREAS. THE LAST 23 FRAMES CONTAIN A SMALL FLARED AREA AROUND THE FORMAT PERIMETER DIRECTLY OPPOSITE THE CORRELATION LAMP. IT DOES NOT AFFECT THE STELLAR FIELD. THE LAST 13 FRAMES ARE AFFECTED BY THE USUAL SCRATCHES GAUGES, AND PINHOLES ASSOCIATED WITH FILM DEPLETION. A SMALL PIECE OF FOREIGN MATTER IS RECORDED ON A FEW FRAMES OF THE STELLAR RECORD. A FINE PLUS DENSITY LINE, PARRALLEL TO THE MAJOR AXIS OF THE FILM, BETWEEN THE CORRELATION LAMP AND THE FORMAT IS PRESENT ON THE LAST 54 FRAMES. APPROXIMATELY 10 STELLAR IMAGES CAN BE DETECTED IN EACH EXPOSURE. THEY APPEAR ELONGATED RATHER THAN POINT TYPE IMAGES. FRAME 229 IS DOUBLE EXPOSED.

I. OPERATIONAL THROUGHOUT. RESEAU NUMBER 86. FRAME 229 IS DOUBLE EXPOSED. NO DEGRADATIONS WERE NOTED. THE RESOLUTION IS GOOD AND THE IMAGERY IS COMPARABLE TO THAT ATTAINED BY RECENT MISSIONS.

J.(1) THERE IS FOG PRESENT ON FRAME 5 OF MOST CAMERA OPERATIONS. THIS FOG APPEARS AS A STREAK PROJECTING ACROSS THE FORMAT FROM THE CAMERA NUMBER EDGE OF THE FILM APPROXIMATELY 4 INCHES FROM THE SUPPLY END OF THE FORMAT. A SIMILAR STREAK OF FOG IS PRESENT OCCASIONALLY APPROXIMATELY 2 INCHES FROM THE TAKE UP END OF THE FILM. THESE FOG PATTERNS ARE OF A VERY MINOR NATURE AND DO NOT DEGRADE THE IMAGERY

[REDACTED]
TO ANY EXTENT.

(2) THERE IS FOG PRESENT ON THE FIRST, FIFTH AND SECOND TO LAST FRAME OF MOST CAMERA OPERATIONS. THE DENISTY OF THESE FOG PATTERNS IS MINOR AND VARIES WITH THE DURATION OF CAMERA OFF PERIODS.

(3) NONE.

(4) NONE.

K. (1) NONE NOTED.

(2) VERY MINOR DENDRITIC FOG PATTERNS RESULTING FROM STATIC DISCHARGES ARE PRESENT ALONG BOTH EDGES OF THE FILM INTERMITTENTLY THROUGHOUT THE MISSION.

(3) NONE.

(4) NONE.

L. (1) THIN 5 PERCENT, MEDIUM 60 PERCENT, HEAVY 35 PERCENT.

(2) THIN 5 PERCENT, MEDIUM 60 PERCENT, HEAVY 35 PERCENT.

(3) ADEQUATE FOR DETECTION OF STELLAR IMAGES.

(4) THIN 10 PERCENT, MEDIUM 65 PERCENT, HEAVY 25 PERCENT.

M. (1) LOW 35 PERCENT, MEDIUM 50 PERCENT, HIGH 15 PERCENT.

(2) LOW 30 PERCENT, MEDIUM 55 PERCENT, HIGH 15 PERCENT.

(3) ADEQUATE FOR THE DETECTION OF STELLAR IMAGES.

(4) LOW 25 PERCENT, MEDIUM 70 PERCENT, HIGH 5 PERCENT.

N. (1) NOT COMPARABLE TO RECENT MISSIONS OF THIS SYSTEM.

(2) SLIGHTLY BETTER THAN THE FORWARD. COMPARABLE TO MISSION 1034. MIP80.

O. (1) RAIL SCRATCHES ARE CONTINUOUS ALONG BOTH FILM EDGES THROUGHOUT THE MISSION. THERE IS A CREASE IN THE FILM BEGINNING ON FRAME 139 OF PASS D38 AND CONTINUING APPROXIMATELY HALFWAY THROUGH FRAME 141 WHERE IT LEAVES THE MATERIAL AT THE TIME TRACK EDGE. IT

EXTENDS ABOUT 1/4 INCH INTO THE FORMATS. FRAME 142 OF THE SAME PASS CONTAINS A MANUFACTURING SPLICE. THE FORMAT EDGE IS RAGGED FROM THE TAKE UP END OF EACH FRAME TO THE FIRST SHRINKAGE MARKER. THERE IS A MANUFACTURING SPLICE LOCATED ON FRAME 29 OF PASS D11.

(2) RAIL SCRATCHES ARE CONTINUOUS ALONG BOTH FILM EDGES THROUGHOUT THE MISSION. THE FORMAT EDGE IS RAGGED FROM THE TAKE UP END OF EACH FRAME TO THE FIRST SHRINKAGE MARKER. A MANUFACTURING SPLICE IS LOCATED IN FRAME 19 OF PASS D36. NUMEROUS PINHOLES AND MINUS DENSITY STREAKS WERE NOTED ON PASS D01 ONLY.

- (3) GOOD.
- (4) GOOD.
- (5) GOOD.

- P. (1) (A) 7,950 FEET (C) STELLAR 59 FEET
 (B) 7,954 FEET (D) INDEX 109 FEET
 (2) (A) 2,869 FRAMES (C) STELLAR 438 FRAMES
 (B) 2,870 FRAMES (D) INDEX 438 FRAMES

Q. 21 JANUARY 1967 1633 HOURS EST.

R. REMARKS:

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

	PRIMARY	INTERMEDIATE	FULL
FWD	3	11	89
AFT	2	14	85

(2) THE END OF PASS MARKER ON BOTH CAMERAS APPEARS AT THE TAKE UP END OF THE FIRST FRAME RATHER THAN THE SUPPLY END OF THE LAST FRAME.