CLASSIFIED MESSAGE

DATE 9

~~TOP SECRET~~

[redacted]

TO :

FROM :

ACTION:

INFO :

[redacted]

[redacted]

TO ~~TOP SECRET~~ INFO 091834Z CITE [redacted] CITE

PRIORITY [redacted] INFO [redacted]

CORONA

REF A. [redacted]

B. [redacted]

SUBJECT: [redacted] (1038-2)

1. REF B. IS SUBJECT MSG AND [redacted] WAS INFO ADDEE. [redacted]

PER REF A. SUBJECT MSG IS RETRANSMITTED AS FOLLOWS:

[redacted]

A. 1038-2

B. APPARENTLY NORMAL

C. (1) OPERATIONAL THROUGHOUT. THE MATERIAL WAS EXHAUSTED IN PASS 183D, FRAME 55. CAMERA NUMBER 192

(2) OPERATIONAL THROUGHOUT. THE MATERIAL WAS EXHAUSTED IN PASS 183D, FRAME 71. CAMERA NUMBER 193.

D. (1) OPERATIONAL THROUGHOUT. THE CAMERA

~~TOP SECRET~~

[redacted]

 COPY NO. [redacted]

NUMBER AND INDEX LAMP ARE BLOOMED AS
IN 1038-1.

(2) OPERATIONAL THROUGHOUT. THE CAMERA NUMBER AND INDEX LAMP ARE BLOOMED AS IN 1038-1

3. (1) OPERATIONAL THROUGHOUT.

(2) OPERATIONAL THROUGHOUT

F. (1) NONE NOTED

(2) NONE NOTED.

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

(2) OPERATIONAL THROUGHOUT. VEILING OF THE STARBOARD HORIZON CAMERA WAS NOTED A T THE BEGINNING OF THE MISSION. A GRADUAL CLEARING WAS NOTED STARTING ON PASS 86D. THE IMAGERY WAS CLEAR AND SHARP AT THE END OF THE MISSION.

H. OPERATIONAL THROUGHOUT THE MISSION. RESEAU NUMBER 108. APPROXIMATELY 20 PERCENT OF EACH STELLAR FORMAT IS AFFACTED BY FLARE, STELLAR IMAGES CAN BE DETECTED IN THE FLARED AREAS. THREE SMALL FLARED AREAS AROUND THE FORMAT PERIMETER ARE PRESENT THOUGHOUT THE STELLAR RECOD. THEY DO NOT AFFECT THE STELLAR FIELD. THE LAST 71 FRAMES CONTAIN A FINE PLUS DENSITY LINE, PARRALLEL TO THE MAJOR AXIS OF THE FILM, BETWEEN THE CORRELATION LAMP AND THE FORMAT EDGE.

[redacted]

APPROXIMTLY 10 STELLAR IMAGES CAN BE DETECTED IN EACH EXPOSURE. THEY APPEAR ELONGATED RATHER THAN POINT TYPE IMAGES. FRAMES 4 AND 16 ARE DOUBLE EXPOSURES.

I. OPERATIONAL THROUGHOUT. RESEAU NUMBER 111. SMALL CRESCENT SHAPED FOG PATTERNS ARE PRESENT INTERMITTENTLY ALONG THE EDGE OPPOSITE THE CORRELATION LAMP. THEY DO NOT ENTER THE IMAGERY AND ARE CONFINED TO THE BORDER AREA. THE IMAGE QUALITY IS GOOD AND COMPARABLE TO THAT ATTAINED IN RECENT MISSIONS OF THIS SYSTEM. FRAMES 4 AND 16 ARE DOUBLE EXPOSED.

J. (1) THERE IS FOG PRESENT ON FRAME 5 OF ALL CAMERA OPRATIONS. THIS FOG PATTERN IS IDENTICAL TO THAT DESCRIBED FOR 1038-1. THE DENSITY OF THE FOG VARIES WITH THE DURATION OF CAMERA OFF PERIODS.

72) THERE IS FOG PRESENT ON THE FIRST, FIFTH AND SECOND TO LAST FRAME OF MOST CAMERA OPERATINS. THE DENSITY OF THESE PATTERNS IS MINOR AND VIARIES WITH THE DURATION OF CAMERA OFF PERIODS.

(3) NONE

(4) NONE

K. (1) NONE NOTED.

(2) DENDRITIC FOG PATTERNS RESULTING FROM STATIC DISCHARGES ARE PRESENT ALONG BOTH

[redacted]

FILM EDGES INTERMITTENTLY THROUGHOUT
THE MISSION. THEY AREGENERALLY CONFINED TO THE
BORDERS BUT IN SOME CASES THEY EXTEND INTO THE FORMAT
AND DEGRADE THE IMAGERY.

(3) NONE

(4) NONE

L. (1) THIN 5 PER ENT, MEDIUM 50 PERCENT, HEAVY 45 PERCENT

(2) THIN 5 PERCENT, MEDIUM 50 PERCENT, HEAVY 45 PERCENT

(3) ADEQUATE FOR THE 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 35 PERCENT, MEDIUM 45 PERCENT, HIGH 20 PERCENT

(3). ADEQUATE FOR THE DETECTION OF STELLAR IMAGES.

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

N. (1). COMPARABLE TO 1038-1

(2). SLIGHTLY BETTER THAN THE FORWARD. COMPARABLE
TO 1038-1. MIP 80

O. (1) RAIL SCRATCHES ARE PRESENT ON BOTH FILM
EDGES THROUGHOUT THE MISSION. AN EMULSION
SCRATCH APPROXIMATELY ONE INCH LONG DIRECTLY
UNDER THE CAMERA NUMBER IS PRESENT
INTERMITTENTLY THROUGHOUT THE MISSION. IT
APPEARS ABOUT ONE SIXTEENTH OF AN INCH INTO
THE FORMAT FROM THE BINARY EDGE OF THE FILM.
OTHER. VERY FINE EMULSION SCRATCHES APPEAR IN

[redacted]

VARIOUS PARTS OF THE IMAGED FORMAT, INTERMITTENTLY THROUGHOUT THE MISSION. EXAMPLE PASS D100 VERY FINE MINUS DENSITY STREAKS, PARRALLEL TO THE MAJOR AXIS OF THE FILM ARE PRESENT ON PASSES D74 AND D154. THE FORMAT EDGE ALONG THE CAMERA NUMBER EDGE OF THE FILM IS RAGGED FROM THE TAKE UP END OF EACH FRAME TO THE SECOND SHRINKAGE MARKER. MANUFACTURING SPLICES ARE PRESENT ON FRAME 23 PASS D86, FRAME 30 PASS D125, AND FRAME 34 PASS D137.

(2). RAIL SCRATCHES ARE PRESENT ON BOTH FILM EDGES THROUGHOUT THE MISSION. THE SCRATCH NUMBER THE CAMERA NUMBER DESCRIBED FOR THE MASTER CAMERA IS PRESENT ON THE SLAVE CAMERA MATERIAL. IMMEDIATELY FOLLOWING A MANUFACTURING SPLICE IN FRAME 72 PASS D73 A VERY FINE PLUS DENSITY LINE APPEARS ABOUT ONE QUARTER INCH INTO THE FORMAT FROM THE CAMERA NUMBER EDGE OF THE MATERIAL. IT CONTINUES THROUGH THE MAIN CAMERA FORMAT, THE HORIZON FORMAT, AND THE UNEXPOSED AREAS BETWEEN FRAMES AND GRADUALLY BECOMES LESS DENSE UNTIL IT DISSIPATES APPROXIMATELY HALF WAY THROUGH THE MISSION. THE CAMERA NUMBER EDGE OF THE MATERIAL DISPLAYS A RAGGED FORMAT EDGE FROM THE TAKE UP

END OF EACH FRAME TO THE SECOND SHRINKAGE MARKER. THE LAST FEW FEET HAVE THE USUAL PINHOLES, GAUGES AND SCRATCHES ASSOCIATED WITH FILM DEPLETION.

(3). GOOD, EXCEPT FOR PLUS DENIITY LINE DESCRIBED FOR THE SLAVE CAMERA MATERIAL.

(4). GOOD.

(5). GOOD.

P. (1). (-). 8035 FEET (:). STELLAR 50 FEET

(?). 8046 FEET (D). INDEX 102 FEET

(2). (A). 3039 FRAMES (C) 468 FRAMES

(B). 3034 FRAMES (D) 468 FRAMES

Q. 28 JANUARY 1967

R. REMARKS:

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

	PRIMARY	INTERMEDIATE	FULL	TRANSITION
FORWARD	0	10	81	9
AFT	0	24	70	6

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