Approved For Release 2006/01/31 : CIA-RDP78B03817A000100030001-0

OUT 63956

SECRET

5X1 S E C R E T 300149Z CITE [redacted]

5X1 PRIORITY [redacted]

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1967 DEC 30 02 03Z

SUBJECT: EVALUATION OF BLACK SHIELD MISSION BX 6739

1. CAMERA TYPE I (115A) UNIT F WAS USED ON MISSION BX 6739. THE MISSION WAS PROCESSED IN THE FIELD AND CONTAINS 1406 TITLED FRAMES.

2. BOTH CAMERAS OPERATED SATISFACTORILY THROUGHOUT THE MISSION. DURING LEVEL PORTIONS OF FLIGHT WITH THE CAMERAS UNCAGED, ESTIM-
25X1 ATED GROUND RESOLUTIONS [redacted] (NEAR PLUS SPACE) WERE ACHIEVED ON BOTH FORWARD AND AFT CAMERA RECORDS, AT OR NEAR VERTICAL.

3. EXPOSURE WAS ADEQUATE THROUGHOUT THE MISSION WITH THE EXCEPTION OF AFT FRAMES 654-720 WHICH ARE UNDEREXPOSED. THE PROCESSING WAS SATISFACTORY; HOWEVER, THE ENTIRE MISSION MATERIAL HAS A SLIGHT YELLOWISH DESCOLORATION. THIS DISCOLORATION IS PARTICULARLY NOTICEABLE ALONG BOTH EDGES OF THE FILM EXTENDING ABOUT ONE INCH INTO THE FORMAT. THE TEXTURE OF THE DISCOLORATION IS SPLOTCHY. IT IS PARTICULARLY NOTICEABLE IN FRAMES 1067-1073.

4. ALL AFT CAMERA FRAMES SCAN FROM PLUS 21 DEGREES TO MINUS 66 DEGREES, WHICH IS ONE DEGREE SHORT. EVERY FOURTH PAIR OF DATA BLOCKS ENTERS SLIGHTLY INTO THE FORWARD FRAME FORMAT. A PLUS DENSITY STREAK 1.5 INCHES FROM THE DATA BLOCK EDGE APPEARS INTERMITTENTLY THROUGHOUT THE MISSION. THIS IS MOST APPARENT IN FRAMES 635-666. SLIGHT TRANSVERSE BANDING, TWO INCHES AFTER START OF AFT SCAN, APPEARS IN FRAMES 234-276 AND INTERMITTENTLY DURING THE REMAINDER OF THE MISSION. MORE NOTICEABLE TRANSVERSE BANDING APPEARS IN FRAME 245 BEGINNING 4 INCHES FROM THE END OF THE FORWARD SCAN. FOREIGN LIQUID CAUSED A SMALL BLUE SPOT ON FRAME 688. FRAMES 837 AND 838 (FIRST TWO FRAMES OF CAN 12) ARE CREASED. A CHANGE IN FILM SPEED IN FRAMES 1148 AND 1149 CAUSES IMAGE SMEAR, FRAME ELONGATION (1 INCH), AND SOME OVERLAP.

5. BOTH SENSED AND PROGRAMMED V/H WERE USED ON THIS MISSION. THE IMAGERY IN BOTH CASES IS SATISFACTORY.

6. THERE IS A NOTICEABLE DIFFERENCE IN DENSITY BETWEEN THE
25X FIELD AND [redacted] PRODUCED DUPLICATE POSITIVES ON THIS MISSION.
25X THE DENSITY OF THE [redacted] GENERATED DP'S IS THIN. HIGHLIGHT DETAIL PRESENT IN THE ORIGINAL NEGATIVE AND ON THE FIELD DP'S IS LIGHT
25X TO WASHED OUT ON THE [redacted] PRODUCED COPIES. THE FIELD COPIES ARE OF GOOD QUALITY.

7. THE CORRELATION OF THE INS TAPE, FILM DATA BLOCK, AND IMAGERY IS SATISFACTORY.

8. CLOUDS OBSCURE APPROXIMATELY 25 PERCENT OF THE MISSION.

S E C R E T

END OF MSG

SECRET

DISTRIBUTION

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GROUP 3 Excluded from automatic downgrading and declassification

NGA review(s) completed.

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