



9 SEPT 64

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

PRIORITY

MSX 9066A

[REDACTED] [REDACTED]

1. VEHICLE ATTITUDE: THE ATTITUDE EXCURSIONS INDICATED IN THE REP CAN BE THE RESULT OF THE HORIZON SENSORS LOOKING NEAR THE SUN. REQUEST THAT THE TIME WORD ASSOCIATED WITH EACH MAXIMUM EXCURSION BE READ OUT AND TRANSMITTED TO [REDACTED]
2. STELLAR FLARE: REFLECTION MAY BE FROM THE MOON WHICH WAS NEARLY FULL DURING THIS FLIGHT. THE MOON WAS OFF THE OPTICAL AXIS OF THE STELLAR CAMERA VARYING FROM 45 DEGS TO 32 DEGS THROUGHOUT THE FLIGHT. TESTS CONDUCTED AT [REDACTED] INDICATE THAT IT IS POSSIBLE TO GET REFLECTIONS FROM THESE ANGLES. FURTHER ANALYSIS FOR POSSIBILITY OF EARTH FLARE IS BEING CONDUCTED.
3. TERRAIN: IMAGE SMEAR AND QUALITY DROP OFF IS BELIEVED TO BE LENS RESOLUTION RATHER THAN SMEAR. THIS DROP OFF FROM THE CENTER AT 74 LINES TO 33 LINES NEAR THE EDGE COULD BE MISINTERPRETED AS SMEAR. ALTHOUGH THE FIGURE OF MERIT FOR THIS LENS WAS 48.6 VERSUS 50.8 FOR A-21 IT WAS HIGH IN THE CENTER AS NOTICED ABOVE AND NEAR DROPPED OFF RAPIDLY TO THE EDGES.

Declassified and Released by the N R O
In Accordance with E. O. 12958
on NOV 26 1997

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4. THERE ARE NO INDICATIONS FROM TELEMETRY OR FILM ANALYSIS TO DATE OF ANY CAMERA ANOMOLIES. METERING, FILM FLATTENING AND SHUTTER OPERATIONS APPEAR TO BE NORMAL.
 5. THIS FLIGHT WAS PROGRAMMED INTO MINUS EKKK SUN ANGLES BECAUSE OF AMPLE SUPPLY OF PAYLOAD FOR ENGINEERING ANALYSIS PURPOSES AT THESE SUN ANGLES. THIS PART OF THE MISSION SHOULD NOT BE INCLUDED IN ANALYZING THE OVERALL QUALITY OF THE MISSION.
 6. LIGHT LEAKS: EKK LEAKS ARE NORMAL FOR THE SHUTTERS USED ON A-22 CAMERA. TESTS CONDUCTED AT [REDACTED] AS PART OF NORMAL CHECKOUT INDICATED LEAKS WOULD BE PRESENT WHEN LONG SIT PERIODS WERE PROGRAMMED. FOR THIS REASON, AN EXTRA FRAME WAS EK PROGRAMMED ON DURING THESE PERIODS TO COMPENSATE FOR THIS LEAK.
 7. GHOST IMAGES: IMAGES OF DIALS AND SERIAL NUMBERS ARE NORMAL FOR THIS CAMERA. THE INFORMATION IS FOR REFERENCE ONLY AND IS LEGIBLE.
- END OF MESSAGE.

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