

OUT57021

TOP SECRET 282153Z

*multi*

1965 OCT 28 22 19Z

25X1

1

[Redacted]

SUBJ: MISSION 1025 PHOTOGRAPHIC EVALUATION INTERIM REPORT (PEIR)

REF: A. [Redacted] 2727

B. [Redacted] 2789

C. [Redacted] 5677 (MISSION 1024 PEIR)

29 OCT 1965

25X1

DISTRIBUTION		
Cy No.	Office	Action
1	FIG 25X1	
2	OS	
	ADMIN	
	SEC BR	
	10-15 OCT & DS	
	CSD	
	IPD	
	PD	
	PSD	
	PSD-ICB	
345	TID	✓
	IAD	
	PAG	
	DIAXX-4	
	SPAD	
	NSA-LO	
	DIA-AP	

1. NUMERICAL SUMMARY

MSN NO AND DATES: 1025-1, 5-10 OCT 65; 1025-2, 10-15 OCT 65

LAUNCH DATE: 1746 ZULU

VEHICLE NO: 1616

CAMERA SYSTEM: JX-28

PAN CAMERA NOS: MASTER (AFT) 142; SLAVE (FWD) 127

MSN 1025-1 S/I NO: D73/78/88

MSN 1025-2 S/I NO: D70/88/81

RECOVERY REVS: 81 AND 161, NO DEACTIVE PERIOD

2. CAMERA SETTINGS

MASTER: 0.175 INCH SLIT, WRATTEN 21 FILTER

SLAVE: 0.175 INCH SLIT, WRATTEN 21 FILTER

3. PERFORMANCE SUMMARY

THE IMAGE QUALITY OF THE PHOTOGRAPHY WAS EQUAL TO OR BETTER THAN PREVIOUS CORONA MISSIONS. CERTAIN EXAMPLES OF THE PHOTOGRAPHY WERE AMONG THE BEST EVER SEEN. THIS WAS PRIMARILY A CARTOGRAPHIC MISSION AND THE PHOTO INTERPRETERS HAD VERY FEW TARGETS TO COMMENT

Advance copy Sanitized

1

Declass Review by NGA

TOP SECRET

[Redacted]

25X1

ON. HOWEVER, THEY DID CONCUR WITH THE ABOVE STATEMENTS. THE BEST  
GROUND RESOLUTION OBTAINED FROM HIGH CONTRAST CORN TARGET DISPLAYS  
[REDACTED] AS READ FROM THE SECOND GENERATION DUPE POSITIVES.

25X1

4. ANOMALIES

ANOMALIES INCLUDING THOSE REPORTED IN THE REBIND 42 MESSAGES  
(REF A AND B) WERE REVIEWED.

A. BLOOMED FIDUCIALS, DOUBLE IMAGERY AND SOFT FOCUS ON  
HORIZON IMAGERY; AND SOFT FOCUS ALONG THE EDGE OF THE MAIN FORMAT  
(FWD LOOKING CAMERA).

CAUSE: MALFUNCTION OF HORIZON CAMERA PLATEN CLAMPING.

ACTION: UNDER INVESTIGATION (1).

B. LIGHT LEAKS

CAUSE: ABLATIVE SHIELD, BARREL INTERFACE OR CAMERA DRUM.

ACTION: ABLATIVE SHIELD - A FILM CHUTE WILL BE ADDED  
IN THE NEAR FUTURE (1).

BARREL INTERFACE OR CAMERA DRUM - A SPECIAL LIGHT LEAK  
TEST IS BEING PLANNED TO DETERMINE THE SOURCE OF THE LIGHT LEAKS. (1)

C. SCRATCHES

ANOMALIES, CAUSE AND ACTION (1) SAME AS IN REF C.

D. COMET STELLAR IMAGES

CAUSE: VEHICLE MOTION CAUSED BY FREQUENT CAMERA SHUT DOWN.

ACTION: NONE.

E. ABRASION ON STELLAR/INDEX FILM - MISSION 1025-1

CAUSE: UNKNOWN.

ACTION: PROCESS PRE-FLIGHT FILM SAMPLES FROM FUTURE MISSIONS.

(1)

F. INDEX FILM CREASE - MISSION 1025-2

CAUSE: PHOTOGRAPHIC PROCESSING (MACHINE CAUSED).

ACTION: CONTINUE CAREFUL PRE AND POST PROCESSING CHECKOUT. (1)

CODE FOR ACTION TERMS:

(1). TO BE ACCOMPLISHED BY CONTRACTORS WITHOUT FURTHER DIRECTION.

(2). RESPONSIBILITY OF  25X1

(3). REQUIRES FURTHER DIRECTION OF PROGRAM MANAGEMENT.

D. THE TEAM RECOMMENDS THE FOLLOWING PROCESSING PROCEDURE ON MISSION 1026-2. APPROXIMATELY ONE HALF OF EACH PANORAMIC RECORD SHOULD BE PROCESSED IN THE YARDLEIGH AND THE OTHER HALF OF EACH IN THE TRENTON. FURTHER, CORRESPONDING HALVES SHOULD BE PROCESSED IN THE SAME PROCESSOR.

T O P S E C R E T

:END OF MESSAGE: