

65580

18 JUL 68 17 20z

R 131640Z JUL 68
 FM NPIC WASHDC
 TO RUEOJFA/DIA (DIAXX-2)
 RUEOJFA/JCS (JRC)
 RUEFHQA/HQ USAF FOR AFNICAD & AFRDRP
 RUCSAAA/SAC (DIR)
 RUWDDA/9 SRW (DCI)
 BT

SECRET [] CITE NPIC 4228

25X1

SUBJECT: EVALUATION OF GIANT SCALE MISSION S-035, 4 JUL 68.

1. QUALITY SUMMARY: A QUALITY STATEMENT IS NOT GIVEN FOR THIS MISSION BECAUSE OF THE HIGH PERCENTAGE OF CLOUD COVER. LESS THAN 2 PERCENT OF THE MISSION DISPLAYS LAND AREAS. THE TERRAIN IMAGERY THAT DOES EXIST IS DEGRADED BY HAZE OR NEARBY CLOUDS.

2. CLOUDS OBSCURE OR DEGRADE 95 PERCENT OF THE ENTIRE MISSION.

3. THE MATERIAL WAS PROCESSED AT YOKOTA (67RTS). THE MISSION EMPLOYED THE USUAL SENSORS. THE ONLY MATERIALS EVALUATED ARE THE ORIGINAL NEGATIVES FROM THE OPERATIONAL AND TECHNICAL OBJECTIVE CAMERAS. THE TERRAIN OBJECTIVE CAMERA MATERIAL WAS USED TO DETERMINE THE AREAS OF 30 PERCENT CLOUD FREE PHOTOGRAPHY.

PAGE 2 RUEADJU 51 SECRET []

4. ANALYSIS OF THE TECHNICAL OBJECTIVE MATERIAL:

A. COMMENTS APPLICABLE TO BOTH CAMERAS.

(1) APPROXIMATELY 20 PERCENT OF THE PHOTOGRAPHY WAS ACQUIRED ABOVE 30 DEGREES OBLIQUITY.

(2) MINUS DENSITY STREAKS ASSOCIATED WITH THE PLATE CONFIGURATION AND RANDOM MINUS DENSITY STREAKS PARALLEL TO THE MAJOR AXIS ARE PRESENT THROUGHOUT THE MISSION.

(3) FOG CAUSED BY STATIC DISCHARGE CAN BE DETECTED ALONG BOTH EDGES OF THE NEGATIVE.

(4) BANDING IS PRESENT THROUGHOUT THE MISSION.

(5) AN ACCURATE EVALUATION OF THE DENSITY AND CONTRAST IS NOT FEASIBLE BECAUSE OF THE LIMITED AMOUNT OF CLEAR PHOTOGRAPHY.

B. LEFT TECHNICAL OBJECTIVE CAMERA (AL), S/N 64-07.

(1) EMULSION LIFTS ARE PRESENT ON FRAME 235.

(2) MINUS DENSITY DOTS LOCATED 2.25 INCHES APART APPROXIMATELY 2.25 INCHES FROM THE NON-TITLED EDGE APPEAR INTERMITTENTLY THROUGHOUT.

(3) CAMERA OFF/ONS OCCUR BETWEEN FRAMES 273/274; 334/335 AND 747/748.

DISTRIBUTION		
CY	OFFICE	PI
1	FILE	
2	CABLE SEC.	25X1
	PP&B/RD	
	SECUR.	
3	TSSG/770	
	PSG/OC	
	RRD	
	REPRO	
	AID	
	IEG	
	PROD	
	SCIEN	
	WEST	
	EAST	
	M&S	
	PGM	
	IAS	
	DIA-XX	
	SPAD	
	DIA-AP	
		25X1
		25X1

ADVANCE CY
 SANITIZED
 WITH TEXT

PAGE 3 RUEADJU 51 SECRET []

(4) LAST TITLED FRAME: 911.

3. RIGHT TECHNICAL OBJECTIVE CAMERA (AR) S/N 64-06.

(1) MISMETERING OCCURS INTERMITTENTLY AND AT THE CAMERA OFF/ONS RESULTING IN AT LEAST TWO OVERLAYING FRAMES. (EXAMPLE: FRAMES 818/819)

(2) PROCESSING AND HANDLING MARKS ARE PRESENT ON FRAMES 540 TO 546.

(3) CAMERA OFF/ONS OCCURED BETWEEN FRAMES 265/266, 502/503, AND 693/694.

(4) LAST TITLED FRAME: 848.

5. ANALYSIS OF THE OPERATIONAL OBJECTIVE CAMERA MATERIAL:

A. COMMENTS APPLICABLE TO BOTH CAMERAS.

-2-

(1) THE TIMING DOTS IMAGED WITH EACH FRAME BEGIN 0.5 INCH AFTER THE START OF SCAN AND EXTEND 0.3 INCH BEYOND THE END OF SCAN.

(2) THE MINUTE/SECOND MARKS ARE NOT VISIBLE ON THE RIGHT HAND SIDE OF THE CLOCK. A PORTION OF THE DATA CHAMBER IS IMAGED IN THE ADJACENT FORMATS.

(3) NAIL SCRATCHES ARE PRESENT THROUGHOUT THE MISSION.

(4) A PLUS DENSITY BAND, 1 INCH LONG, PARALLEL TO

PAGE 4 RUEADJU 51 S E C R E T [REDACTED] 25X1
THE MINOR AXIS IS LOCATED AT THE START OF SCAN. IT IS LOCATED IN THE CENTER OF THE FORMAT AND EXTENDS 0.3 INCH INTO THE FRAME.

B. THE LEFT OPERATIONAL OBJECTIVE CAMERA, S/N 4025.

(1) THE FIRST 0.4 INCH OF SCAN IS DEGRADED AND APPEARS TO BE OUT OF FOCUS. THE FIRST 0.2 INCH OF THIS IS MOST SEVERE.

(2) A MINUS DENSITY STREAK PARALLEL TO THE MAJOR AXIS OF THE FILM IS LOCATED 2.02 INCH FROM THE NON-TITLED EDGE OF THE FORMAT. THE IMAGERY IS DEGRADED BY THIS STREAK.

(3) THE FORMAT EDGE HAS A RAGGED APPEARANCE ON SEVERAL FRAMES OF THE MISSION.

(4) PROCESSING SPOTS ARE PRESENT ON FRAMES 1033, 1034, 1105, AND 1104.

(5) FRAMES 1234 AND 1235 OVERLAP BY 0.4 INCH.

(6) SPLICES ARE PRESENT BETWEEN FRAMES 340/341, 380/381, 1020/1021, AND 1360/1361.

(7) A CAMERA OFF/ON OCCURRED BETWEEN FRAMES 495/496.

(8) THE LAST TITLED FRAME IS 1369, COUNTER NUMBER 1339.

PAGE 5 RUEADJU 51 S E C R E T [REDACTED] 25X1

C. RIGHT OPERATIONAL OBJECTIVE CAMERA (CR) S/N 4035.

(1) THE FIRST 0.3 INCH OF IMAGERY IS DEGRADED AND APPEARS TO BE OUT OF FOCUS.

(2) EDGE FOG IS PRESENT INTERMITTENTLY ALONG BOTH EDGES FOR THE FIRST 50 AND THE LAST 200 FRAMES.

(3) NUMEROUS EMULSION AND BASE SCRATCHES PARALLEL TO THE MAJOR AXIS ARE PRESENT ON THE LAST 45 PERCENT OF THE MISSION. THE MAJORITY ARE LOCATED ALONG THE NON-TITLED EDGE.

(4) PIN HOLES AND EMULSION LIFTS ARE PRESENT THROUGHOUT.

(5) A PLUS DENSITY LINE, 1 INCH FROM THE TIMING DOT EDGE, IS PRESENT THROUGHOUT THE MISSION. A PLUS DENSITY STREAK, 1.1 INCHES FROM THE TIMING DOT EDGE IS PRESENT ON THE FIRST 62 FRAMES.

(6) SPLICES ARE PRESENT BETWEEN FRAMES 340/341, 380/381, AND 1020/1021.

(7) A CAMERA OFF/ON OCCURRED BETWEEN FRAMES 490/491.

(8) THE LAST TITLED FRAME IS 1363, COUNTER NUMBER 1363.

S E C R E T [REDACTED] 25X1

END OF MSG