

~~TOP SECRET~~  
CORONA



28 October 1969

Copy [redacted]

Sent to [redacted]

5 NOV 1969

AGENDA

1. INTRODUCTION - [redacted] NPIC
2. SYSTEM PERFORMANCE - [redacted] NPIC
3. CHAIRMENS' COMMENTS
4. ACTION ITEM DISCUSSION
5. FILM EVALUATION
6. PROJECT SUNNY BRIEFING - [redacted]

1052

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

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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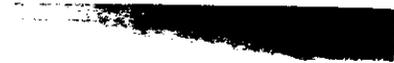


1052 PET ATTENDEES

28 - 29 OCTOBER 1969



USAF   
 DD/S&T/OSP/AP (Res Off)  
 DD/S&T/OSP  
 DD/S&T/OSP  
 SAMS   
 Eastman Kodak  
 Eastman Kodak  
 DD/S&T/OSP/AP (Res Off)  
 DD/S&T/OSP/AP (Res Off)  
 ITEK/AP (Res Off)  
 ITEK/AP (Res Off)  
 Lockheed/AP (Res Off)  
 Lockheed/AP (Res Off)  
 ITEK  
 ITEK  
 ITEK  
 ITEK  
 ITEK  
 USAF/Westover AFSPF  
 USAF/SAMSO/STC  
 USAF/SAMSO/STC  
  
 LMSC  
 LMSC  
 LMSC  
 NPIC/TSSG/APSD  
 NPIC/TSSG/APSD



MISSION 1052-1

1. Launch: 22 September 69/2111Z
2. Photo Dates: 23 - 29 September 1969
3. Recovery: 29 September 69/2358Z
4. No. Of Passes: 35 Operational, 5 Domestic, 0 Engineering
5. Altitude: 98 NM to 108 NM
6. Scale: 1:297,920 to 1:328,320
7. L.NM: 56,230 Operational; 3,130 Domestic
8. SQ/NM: 7,872,200 Operational; 438,200 Domestic
9. Pan Frames: 2,955 Fwd; 2,976 Aft
10. Pan Footages: 8019 Fwd (ft); 8144 Aft (ft)
11. Stellar Frames: 450
12. Stellar Footage: 55 ft
13. Index Frames; 450
14. Index Footage: 119 ft.
15. MIP Rating: 85
16. MIP Frame: D-01, Fr 5 Fwd; Corresponding: D-01, Fr 5 Aft

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MISSION 1052-2

1. Launch: 22 Sept 69/2111Z
2. Photo Dates: 29, 30 Sept; 1 - 7 Oct 69
3. Recovery: 7 Oct 69/2257Z
4. No. Of Passes: 43 Operational, 5 Domestic, 2 Engineering
5. Altitude: 98 NM to 108NM
6. Scale: 1:297,920 to 1: 328,320
7. L.NM: 61,000 Operational; 1,380 Domestic
8. SQ/NM: 8,540,000 Operational; 193,200 Domestic
9. Pan Frames: 3112 Fwd; 3079 Aft
10. Pan Footages: 8208 Fwd (ft); 8118 Aft (ft)
11. Stellar Frames: 480
12. Stellar Footage: 62 ft
13. Index Frames; 480
14. Index Footage: 128 ft.
15. MIP Rating: 85
16. MIP Frame: D234/79F ; Corresponding: D234/78A

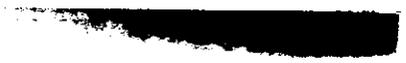


MISSION 1052 SUMMARY

Fwd Looking Camera #216

BUCKET

- A The port and starboard horizon cameras were non-operational on frames 135 and 137 of Pass D072.
- A & B The time track is missing (up to 17 inches) on the take-up end of the first frame of some passes.
- A & B A minor spur-like fog pattern, extending from the titled edge into the format, is present on the fifth frame of most passes (example: D114, frame 5):
- A A subtle fog pattern is present near the center of format on the ~~first~~ frame from the end of some passes (example: frame 68, D42).
- A An equipment image is present on the last frame of some passes (example: frame 98, D58).
- B A minor wedge shaped fog pattern, extending from the time track edge, is present on the third frame from the end of most passes (example: Frame 48, D219).
- A & B Minor transverse banding is present on the take-up end of most frames throughout the mission.
- A Four diagonal indentation marks (minus density), that transverse the frame, are present every 37 to 39 inches on the first five frames of the mission.
- B A wavering plus density band, 0.5 inch wide extends through frames 16, 17 and 18 of Pass D166.
- B Minus density bands (about 0.5 inch wide), extending the width of the format, are present from pass D219 to D229. The bands appear in groups of three, separated by 0.6 inches, and repeat approximately every 45 inches.
- B The film came out of the rails beginning with frame 1 of Pass D236 to the end of the mission. As a result, the imagery is smeared and out of focus, the metering is erratic, the



BUCKET

- B format is not well defined and the shrinkage marks are not detectable.
- B A 10 inch long crease and an associated plus density mark appears on and between frames 283 and 284 of Pass D104. A similar 4 inch long crease appears on frames 81 and 82 of Pass D136.
- A & B Rail scratches are present throughout the mission.

AFT LOOKING CAMERA #217

BUCKET

- A A rectangular shaped fog pattern is present on the last frame of some passes (example: Frame 98, D58).
- B A spur-like fog pattern is present on the fifth frame of most passes (example: Frame 5, D210).
- B A minor fog pattern, extending across the format, is present on the fourth from last and last frame of some passes (example: Frame 15, D210).
- A A film tear is located at the center of frame 43, Pass D56. It extends into the format approximately 1 inch at an angle of 65 degrees. This tear was noted during defilming.
- A Frames 32 - 35 of Pass D25 were fogged during the defilming operation.
- A A series of creases, orientated approximately parallel to the minor axis are present on passes D25 and D29.
- B Two parallel plus density streaks, spaced about 1/8 inch apart, are present throughout the mission. The streaks are located 1 inch from the time track edge and run parallel to the major axis.
- B Two plus density bands are present on frames 22, 23 and 24 of D137.



BUCKET

- A & B      The time track is missing at the take-up end of the first frame of some passes.
- B            A four inch long crease is located on frame 284, D104.
- A&B        Rail scratches are present throughout.

MANUFACTURER'S SPLICES

<u>FWD</u>	<u>AFT</u>
D29/16	D56/55-56
D89/104	D106/98
D166/19	D199/26
	D200/22

STELLAR CAMERAS

- 1052-1      The stellar camera operated properly throughout the mission. Approximately 25 stars are imaged. Minor pressure plate induced static and some emulsion cracking were noted. The overall product is suitable for attitude reduction.
- 1052-2      Most frames contain approximately 25 slightly elongated stellar images. An intermittently hung shutter caused 25 frames to be overexposed. Stellar images on these frames are difficult to detect. Minor emulsion cracking was also noted. The overall product is suitable for attitude reduction.

INDEX CAMERAS

The index cameras operated satisfactorily on both buckets.

RESOLUTION TARGET

	<u>X</u>	<u>Y</u>	<u>LOCATION</u>
D177/8F	21.2	12.7	Fort Huachuca
D177/8A	70.4	10.5	Fort Huachuca

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[REDACTED]

TIME WORD

- FWD
1. The block was skewed throughout. Each time was read manually.
  2. No time word was recorded on Pass D236.
- AFT
1. No specific problems were encountered.