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CORONA



Copy  
14 April 1972

MEMORANDUM FOR: Director of Special Projects

SUBJECT : Photo Reconnaissance Systems Report No. 140

I. CORONA

A. Accomplishments

CR-16 (Mission 1116) is rescheduled for launch on 19 April due to the problem noted below. Problem analysis, repair and adjustments have been completed. The system was reloaded and shipping preps and operations completed. The system was buttoned up and is ready to ship to VAFB.

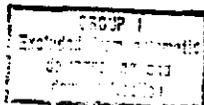
B. Problems

During receiving operations CR-16 exhibited an anomaly in the No. 2 instrument current monitor for the drive motor. Indication of possible film drag was noted. Further inspection during additional operations indicated only minor rubbing which was considered nominal. Launch preps were continued and the system was mated to the vehicle. During payload phase of pad operations the previous anomaly was again noted but in a worsened condition than was expected in the vertical position. Additional No. 2 mono operations were performed and the condition appeared to be aggravated. After a thorough analysis it was determined that the data indicated a potential catastrophic failure mode. The system was demated, reloaded in the van and returned to Sunnyvale for inspection and failure analysis. System was opened up at 0615, 12 April 1972 and a thorough inspection and testing sequence initiated. The problem was located and isolated to a drum rub in the No. 2 instrument caused by a mechanical rotational misalignment. A possible reason for the condition was determined to be the nudging of this surface during the potting of a light leak in the vicinity of the drum. A readjustment of nod rod eliminated the rubbing and additional special operations of No. 2 instrument confirmed solution of original problem. Readiness and shipping procedures were repeated on the system and it is now in the condition stated in Accomplishments.

Declassified and Released by the N R C

In Accordance with E. O. 12958

on NOV 26 1997



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C. Projected Status

1. CR-16 Launch preps.
2. CR-8 R-25 backup.

II. [REDACTED]

A. [REDACTED]

[REDACTED]

B. [REDACTED]

1. [REDACTED]
2. [REDACTED]

C. [REDACTED]

1. [REDACTED]

2. [REDACTED]

a. [REDACTED]

b. [REDACTED]

[REDACTED]

**CORONA**

[REDACTED]

**\*\*\*NOTICE OF REMOVED PAGES\*\*\***

**Pages 3 through 7 are not provided because their full text does not contain CORONA, ARGON, LANYARD programmatic information.**