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(When Filled In)

FILE INFO

REPRODUCTION PROHIBITED

13 FEB 69 23 47z

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~~SECRET~~ 192251Z FEB 69 CITE [REDACTED]

PRIORITY [REDACTED]

CORCOM/RESIDENT OFFICE

ATTN: [REDACTED]

SUBJ: 1126 CR-6 INFLIGHT ANOMALIES

1. SLOPE PROGRAMMER ECCENTRICITY FUNCTION INOPERATIVE AFTER LAUNCH, FIRST ACQUISITION.

ENVIRONMENT NORMAL

T/W INDICATED THAT NORMAL MODE OSCILLATOR WAS INOPERATIVE IN THE CONTROLLER.

POST EVENT 2 EXERCISE CONFIRMED SLEW OSCILLATOR, MOTOR/GEAR TRAIN AND POTENTIOMETER OUTPUTS BUT NORMAL MODE OSCILLATOR REMAINED INOPERATIVE.

DIRECT COMPONENT FAILURE ANALYSIS IS NOT POSSIBLE DUE TO POOR CONSTRUCTION OF OSCILLATOR.

ACTIONS: ADDITIONAL CYCLIC TESTS AND INSPECTION OF CIRCUITRY WIRING TO BE CONDUCTED ON SLOPE PROGRAMMERS POST VIBRATION CR-7 AND UP.

2. SWITCH PROGRAMMER INOPERATIVE BEGINNING REV 22. OUTPUT REMAINED IN POSITION 1. MONITOR INDICATED POWER OFF AT INPUT TO PROGRAMMER.

Declassified and Released by the N R C

In Accordance with E. O. 12958

on NOV 26 1997

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ENVIRONMENT NORMAL.

SYSTEM TAPE VERIFIED BR 51 AND 52 PUNCHES.

K1 RELAY WAS IN SPC 17 POSITION, POWER OFF.

NO INSIGHT EXERCISES POSSIBLE TO ASSIST IN ANALYSIS.

STANDARD POTTER BRUNFIELD RELAY SUSPECTED FAILED COMPONENT.

DID NOT LATCH ON BR 51 OR 52 COMMAND.

FAILURE RATE AND RELIABILITY STUDIES BEING CONDUCTED ON RELAYS.

**ACTION:** ADDITIONAL TESTS TO BE CONDUCTED THE PROGRAMMER.

3. TAPE RECORDER FAILED TO RECORD DURING MISSION.

RETURNED TO VENDOR FOR ANALYSIS. TRACED FAILURE TO INVERTER MODULE. SUSPECT TRANSISTOR SHORTED OUT IN MODULE.

6 MINUTES RECORDED ON TRACK 1. PLAYBACK MAY GIVE FURTHER INDICATION OF FAILURE. ANALYSIS CONTINUING AT VENDOR.

TAPE RECORDER ON FIRST REFLY.

4. ANOMOLY 2. SWITCH PROGRAMMER HAD NO REAL IMPACT ON

THE MISSION DUE TO THE OPERATIONAL CAPABILITY OF MANUAL REAL TIME

CHANGING OF SLITS AS REQUIRED. ANOMOLY 1. SLOPE PROGRAMMER IMPACTED THE

FIRST RAMP OR RISE DUE TO MISMATCH OF V/M RAMP TO GROUND TRACK

CAUSING MISMATCH. UPON REALIZATION OF THE ANOMOLY MANUAL CONTROL OF

THE RAMP TO TRACK MATCH WITHIN 5 PERCENT (WORST) WAS ACCOMPLISHED

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COMPARED TO A NOMINAL 5 PERCENT TOLERANCE IN AUTO MODE.

ANOMOLY 3. TAPE RECORDER HAD NO IMPACT ON THE MISSION BUT WOULD  
HAVE ASSISTED IN THE ANALYSIS OF THE LOSS OF THE NUMBER ONE  
INSTRUMENT PRIOR TO COMPLETION OF THE MISSION.

5. DSP TESTING CONTINUING.

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BY