 PROBLEM DESCRIPTION\ROOT CAUSE
  • “Two Failures Deep” –
    1. Originally, the DTV-MUX was not properly configured for 48M OCA operations.
    2. After the DTV-MUX was properly configured, the 48M remained inoperable due to a failed OCA cable.
      - In-flight loopback test and post-flight continuity test confirmed the 48M cable extension failure

 CORRECTIVE ACTION
  • Reverted to standard OCA operations at 2Mbs for FD2 Data Retrieval
  • For Late Inspection, backup OCA cable was retrieved from locker where 48M performed successfully.

• IFA? – Yes. PRACA-reportable failed PGSC hardware during flight.
• IIFA? – No. Does not impact integrated hazards or multiple elements (per NSTS 08126).
  - Imagery and Inspection analysis proceeded as required.

 PREVENTATIVE ACTION PLANS (Preliminary)
  1. Pre-flight Training –
      a. Update Pre-flight Training Objectives to emphasize DTV-MUX behavior
  2. Procedure Review\Update – determine if procedures are confusing and can be simplified in any manner
     (Note: Standard pre\post-flight testing to be performed as well)
  4. Investigate possible DTV-MUX “signatures” for more configuration insight