GLAST Large Area Telescope

LAT EMI/EMC TRR

NCR Review

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NCR Review Approach

- The open NCR list was reviewed for items that would prevent or impact the EMI/EMC testing
- None of the NCRs prevent start EMI/EMC
- For NCRs that may be observed during EMI/EMC, the impact and response was determined and documented on the next charts
Applicable NCRs

- NCR 684 – Tracker Flares
  - Impact
    - Increase in noise occupancy
  - Response
    - Detectable in off line processing
    - Repeat frequency

- NCRs 809, 880, 881, 901, 902 – CPU reboots
  - Impact
    - Loss of data
  - Response
    - Follow plan to determine source of reboot
    - Reconfigure
    - Repeat frequency
Applicable NCRs (continued)

• NCR 852 – LCB errors
  – Impact
    • Typical durations will have an insignificant effect on the measurements
    • Long durations may drop too much data for a specific frequency
  – Response
    • For a case with fewer than 5 errors, continue
    • For a case with more than 5 errors, repeat the frequency

• NCR 922 – LHK bug
  – Impact
    • Loss of housekeeping telemetry
  – Response
    • Recover housekeeping
    • Repeat frequency