GLAST Mission
Interface Change Notice (ICN)

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DATE: 3-10-04
ORG: Spectrum Astro

CHANGE TITLE: Limit Checking of LAT Analogs

DOCUMENT NUMBER | TITLE | VERSION
-----------------|-------|-------
1196-EI-Y46311-000 | LAT-SC ICD | B

REASON FOR CHANGE:
The SC FSW has the requirement to perform limit checking of the LAT analog temperature sensors for health and safely. Recent analysis by the SC C&DH subsystem shows that the 1° C accuracy can only be achieved for the RTDs by applying a correction factor based on a reference resistor reading prior to processing the analog signals. An additional requirement needs to be generated for the SC FSW to apply this correction prior to performing limit checking on all LAT analog temperature sensors.

PROPOSED CHANGE:

11.3.1.1 LAT Analog Monitoring
The SC FWS shall monitor the LAT analog temperature signals as listed in Table C-1 for health and safely.

The SC FSW shall apply applicable correction factors to the analog readings prior to performing limit checking.

INSTRUMENT IMPACT
☐ Cost
☐ Schedule

SPACECRAFT IMPACT
☐ Cost
☐ Schedule

ORIGINATOR SIGNATURE:

APPROVAL SIGNATURES:

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Instrument Systems Engineer – Dick Horn
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