V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 602 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Aug 22 2012

See axaff00602N002_VV001_vvref2.pdf for the full report

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.046

Comments

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One node on CCD_ID = 6 is low in the evt2 file, but I don't see it on
the evt1 file. The bias looks fine.

The reason that NODE_ID=1 of CCD_ID=6 has fewer events in the Level 2
image is that the overclock for this node is relatively low. As a
result, far fewer events at large pulse heights (i.e. at PHA > 3000 adu
or approximately ENERGY > 12 keV) are telemetered. Filtering the event
data to remove all events at pulse heights > 3000 adu yields an image
that appears to have a uniform event density on CCD_ID=6. NODE_ID=1
does not appear to be low in this case. The events at these large pulse
heights are not real X-ray events because the telescope has no effective
area at these energies. The events are due to cosmic rays. Therefore,
the lack of these events does not compromise the scientific utility of
the data.

Glenn
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seq_num	500088	Sequence number
obs_id	602	Observation id
title	X-RAY POSITIONS AND AFTERGLOWS OF GAMMA-RAY BURSTS	Proposal title
observer	Dr Luigi Piro	Principal investigator
object	GRB000210	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.8117	Observer's specified target RA [deg]
dec_targ	-40.6694	Observer's specified target Dec [deg]
ra_nom	29.807627695297	Nominal RA [deg]
dec_nom	-40.679075943779	Nominal Dec [deg]
roll_nom	263.15392052643	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9043.2000084221	Sum of GTIs [s]
livetime	8928.6895647542	Livetime [s]
ontime4	9043.2000084221	Sum of GTIs [s]
ontime5	9043.2000084221	Sum of GTIs [s]
ontime6	9043.2000084221	Sum of GTIs [s]
ontime7	9043.2000084221	Sum of GTIs [s]
ontime8	9043.2000084221	Sum of GTIs [s]
ontime9	9043.1903427988	Sum of GTIs [s]
l2events	190591	Number of level 2 events