V&V Summary Report
L2 ASCDS Version : 8.4.5

Observation 5185 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 7 2012

See axaff05185N002_VV001_vvref2.pdf for the full report

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2013.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.187

Comments

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Two nodes weirdly low.

The event rates of two nodes: (CCD_ID, NODE_ID) = (2, 3) and (6, 1) are
relatively low. This issue is not a problem. These nodes are fine.
The reason there are fewer events when the entire data file is displayed
is that there are fewer events at the highest energies on these two
nodes. For example, if the data are filtered to include only the events
that have PI < 900 (i.e. ENERGY <~ 13.1 keV), then displaying the
filtered data reveals that the two nodes no longer appear to have a
relatively small number of events. The reason that there are a
relatively small number of events for these two nodes at high energies
is that fewer of the events that saturate the analog-to-digital
converters are telemetered because the two nodes have relatively small
overclock values. Since the events at energies >~ 13.1 keV are produced
by cosmic rays, the relative lack of these events for the two nodes is
not important for scientific analyses of the data.

Glenn
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seq_num	200293	Sequence number
obs_id	5185	Observation id
title	Search for beta Pic analogs	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	51 Eri	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	69.400417	Observer's specified target RA [deg]
dec_targ	-2.473333	Observer's specified target Dec [deg]
ra_nom	69.404867987094	Nominal RA [deg]
dec_nom	-2.4725207834421	Nominal Dec [deg]
roll_nom	31.94918650169	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3187.1999881268	Sum of GTIs [s]
livetime	3146.8417427757	Livetime [s]
ontime0	3187.1999881268	Sum of GTIs [s]
ontime1	3187.1999881268	Sum of GTIs [s]
ontime2	3187.1999881268	Sum of GTIs [s]
ontime3	3187.1999881268	Sum of GTIs [s]
ontime6	3187.1999881268	Sum of GTIs [s]
ontime7	3187.1999881268	Sum of GTIs [s]
l2events	47716	Number of level 2 events