

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 4602 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Nov 7 2012

See axaff04602N002_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	4.188

Comments

Noticeably low node.

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

seq_num	500427	Sequence number
obs_id	4602	Observation id
title	Snapshot Observation of two Recently Discovered Radio Pulsars	Prop
observer	Professor Gordon Garmire	Principal investigator
object	PSR J0729-1448	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	112.31875	Observer's specified target RA [deg]
dec_targ	-14.810222	Observer's specified target Dec [deg]
ra_nom	112.32465478997	Nominal RA [deg]
dec_nom	-14.802356748407	Nominal Dec [deg]
roll_nom	63.699813361419	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4188.7180537879	Sum of GTIs [s]
livetime	4135.6779836477	Livetime [s]
ontime2	4195.1999843717	Sum of GTIs [s]
ontime3	4188.7180737257	Sum of GTIs [s]
ontime5	4188.7180737257	Sum of GTIs [s]
ontime6	4195.1999843717	Sum of GTIs [s]
ontime7	4188.7180537879	Sum of GTIs [s]
ontime8	4191.9590440094	Sum of GTIs [s]
l2events	59300	Number of level 2 events

