

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 13708 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 6 2012

See [axaff13708N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2012.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.971199962914

## Comments

Bias bleed from the source:

coordinates(267.02302,-24.78028,267.02297,-24.77577,267.01846,-24.77582,  
267.01852,-24.78032).

The extra charge in the bias pixels near (CCD\_ID,CHIPX,CHIPY) =  
(7,204,521) seems to result in a systematic reduction of the pulse  
heights of the events on these pixels. In addition to the  
high-adu-value pixels caused by contamination by the source, node=0 of  
chip 7 has an abnormal distribution of adu values overall.

Node 0 of CCD\_ID = 7 was replaced due to source contamination. The  
pixels replaced are bounded by sky coords:  
(267.09868,-24.80525),(267.09821,-24.77045),  
(266.94445,-24.77208),(266.94488,-24.80688). After modifying the bias,  
the pulse-height data for the events on node 0 of CCD\_ID 7 seem to be  
fine.

The source is significantly piled. As a result, the central part of the  
image of the source is missing.

seq_num	401394	Sequence number
obs_id	13708	Observation id
title	Transient LMXBs in Globular Clusters: More Numerous than We Thought?	&#160
observer	Prof. David Pooley	Principal investigator
object	Terzan 5	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.020417	Observer's specified target RA [deg]
dec_targ	-24.779167	Observer's specified target Dec [deg]
ra_nom	267.02329059338	Nominal RA [deg]
dec_nom	-24.780771861704	Nominal Dec [deg]
roll_nom	270.63462340422	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9971.199962914	Sum of GTIs [s]
livetime	9844.9386250478	Livetime [s]
ontime2	9971.199962914	Sum of GTIs [s]
ontime3	9971.199962914	Sum of GTIs [s]
ontime5	9971.199962914	Sum of GTIs [s]
ontime6	9971.199962914	Sum of GTIs [s]
ontime7	9971.199962914	Sum of GTIs [s]
ontime8	9971.199962914	Sum of GTIs [s]
l2events	495723	Number of level 2 events

