

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 700 - L2 Version 6  
Chandra X-Ray Center

L2 Processing Date : Aug 31 2012

See axaff00700N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	78.058

## Comments

Charge time for this ObsId remains at original value of 78.058 ks, although with the current processing the charge time would have been 78.163 ksec. =====

Standard data processing software did not correctly locate the zeroth order because a spatial exclusion window was used to block the zeroth order image. Manual intervention was used to input the correct sky coordinates (x=4059.76, y=4075.99) into the \*src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called findzero, which is expected to be released in CIAO (currently in ISIS). The tool calculates the point of intersection of the readout streak and the meg arm. The zeroth order source position determined by the standard pipeline processing using the tool tgdetect was not used in this processing. The newly determined zeroth order coordinates have been placed in the \*src1a.fits file, replacing the coordinates determined by tgdetect. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect on the data.=====

MEG and HEG spectral arms are piled up.

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Charge time for this ObsId remains at previous value of 78.058 ks.

seq_num	400067	Sequence number
obs_id	700	Observation id
title	HETGS STUDY OF PERSISTENT AND BURST EMISSION FROM TWO LUMINOUS BURSTERS	Proposal title
observer	Dr. Jean Swank	Principal investigator
object	SERPENS X-1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.9875	Observer's specified target RA [deg]
dec_targ	5.035	Observer's specified target Dec [deg]
ra_nom	279.98474485452	Nominal RA [deg]
dec_nom	5.0387876048712	Nominal Dec [deg]
roll_nom	148.72867891825	Nominal Roll [deg]
revision	6	Processing version of data
ontime	78163.158870444	Sum of GTIs [s]
livetime	76420.765418893	Livetime [s]
ontime4	78164.999870598	Sum of GTIs [s]
ontime5	78164.999870598	Sum of GTIs [s]
ontime6	78163.158850506	Sum of GTIs [s]
ontime7	78163.158870444	Sum of GTIs [s]
ontime8	78164.999870598	Sum of GTIs [s]
ontime9	78164.999870598	Sum of GTIs [s]
l2events	8383751	Number of level 2 events

