

V&V Summary Report

L2 ASCDS Version : 7.6.10

Observation 700 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Jul 25 2007

See [axaff00700N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.08.01
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.

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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=4059.73, y=4075.94) 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 (preferred position), or the readout streak and the heg 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.

seq_num	400067
obs_id	700
title	HETGS STUDY OF PERSISTENT AND BURST EMISSION FROM TWO LUMINOUS BURSTERS
observer	Dr. Jean Swank
object	SERPENS X-1
dtcycle	0
cycle	P
ra_targ	279.9875
dec_targ	5.035
ra_nom	279.98474485452
dec_nom	5.0387876048712
roll_nom	148.72867891825
revision	5
ontime	78163.158870429
livetime	76420.765418879
ontime4	78164.999870583
ontime5	78164.999870583
ontime6	78163.158850491
ontime7	78163.158870429
ontime8	78164.999870583
ontime9	78164.999870583
l2events	8383339

