

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 689 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff00689N002-VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.109

Comments

Charge time for this ObsId remains at previous value of 3.109 ks, although with current processing the charge time would have been 3.124 ks

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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. The processing software defaulted to the coordinates supplied by the user for the position of the zeroth order for the grating spectral extraction (sky coordinates x=4280.25, y=4161.96). These coordinates are not centered in the exclusion window.

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For ACIS/CC-mode w/ HETG, with no SIM-Z offset, there are no MEG even order counts. MEG even orders overlap with HEG orders in energy, but MEG even order efficiencies are very low. Since HEG and MEG cannot be spatially separated, events are preferentially assigned to HEG. (MEG odd orders can be resolved.) For observations with a SIM-Z offset, HEG negative and MEG positive orders will be missing (off the array), and remove some of the ambiguity.

seq_num	400056	Sequence number
obs_id	689	Observation id
title	AXAF OBSERVATIONS OF A BRIGHT BLACK HOLE X-RAY BINARY IN OUTBURST	
observer	Prof. Walter Lewin	Principal investigator
object	XTE J1550-564 (OUTBURST DECAY)	Source name
ra_targ	237.745417	Observer's specified target RA [deg]
dec_targ	-56.476472	Observer's specified target Dec [deg]
ra_nom	237.79088720892	Nominal RA [deg]
dec_nom	-56.485427056936	Nominal Dec [deg]
roll_nom	344.35368668677	Nominal Roll [deg]
revision	6	Processing version of data
ontime	3124.25	Sum of GTIs [s]
livetime	3112.0458984375	Livetime [s]
ontime4	3124.25	Sum of GTIs [s]
ontime5	3124.25	Sum of GTIs [s]
ontime6	3124.25	Sum of GTIs [s]
ontime7	3124.25	Sum of GTIs [s]
ontime8	3124.25	Sum of GTIs [s]
ontime9	3124.25	Sum of GTIs [s]
l2events	54954	Number of level 2 events

