

V&V Summary Report

L2 ASCDS Version : 10.2.2

Observation 16622 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 11 2014

See [axaff16622N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.625

Comments

NOTE: SIM offset is such that only HEG negative and MEG positive orders are on the array.

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

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For ACIS/CC-mode w/ HETG, at 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, MEG negative and MEG positive orders will be missing (off the array), and remove some of the ambiguity.

seq_num	490024	Sequence number
obs_id	16622	Observation id
title	Simultaneous Chandra/XMM-Newton/Swift observations of Cyg X-3	Prop
observer	Dr. CXC Calibration	Principal investigator
object	Cyg X-3	Source name
ra_targ	308.10625	Observer's specified target RA [deg]
dec_targ	40.957694	Observer's specified target Dec [deg]
ra_nom	308.09924642695	Nominal RA [deg]
dec_nom	40.957080368476	Nominal Dec [deg]
roll_nom	147.07325852698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28625.0	Sum of GTIs [s]
livetime	28513.18359375	Livetime [s]
ontime5	28625.0	Sum of GTIs [s]
ontime6	28625.0	Sum of GTIs [s]
ontime7	28625.0	Sum of GTIs [s]
ontime8	28625.0	Sum of GTIs [s]
l2events	738697	Number of level 2 events

