

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12389 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff12389N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.063886077166

Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

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Joint proposal with HST COS/STIS.

seq_num	200723	Sequence number
obs_id	12389	Observation id
title	CHANDRA X-RAY AND HST/COS+STIS UV SPECTROSCOPY OF LOW-MASS STARS IN THE 9 MYR OLD TW HYA ASSOCIATION	Proposal title
observer	Dr Alexander Brown	Principal investigator
object	TWA13 A+B	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.321667	Observer's specified target RA [deg]
dec_targ	-34.779306	Observer's specified target Dec [deg]
ra_nom	170.3275595988	Nominal RA [deg]
dec_nom	-34.779697250857	Nominal Dec [deg]
roll_nom	323.59912143024	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16063.886075199	Sum of GTIs [s]
livetime	14569.096748774	Livetime [s]
ontime7	16063.886075199	Sum of GTIs [s]
l2events	23373	Number of level 2 events

