

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12838 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See [axaff12838N002-VV001_vvref2.pdf](#) for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7539591420293

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.

seq_num	702471	Sequence number
obs_id	12838	Observation id
title	Chandra observations of the faintest hard X-ray sources in the SIX survey	Proposal title
observer	Dr Eugenio Bottacini	Principal investigator
object	SIX-4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.265	Observer's specified target RA [deg]
dec_targ	72.199806	Observer's specified target Dec [deg]
ra_nom	281.2671349362	Nominal RA [deg]
dec_nom	72.207820737335	Nominal Dec [deg]
roll_nom	68.448396279083	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4753.9591395855	Sum of GTIs [s]
livetime	4693.7616464695	Livetime [s]
ontime0	4757.0769898891	Sum of GTIs [s]
ontime1	4757.1180298924	Sum of GTIs [s]
ontime2	4757.1590698957	Sum of GTIs [s]
ontime3	4753.9591395855	Sum of GTIs [s]
ontime6	4754.0412195325	Sum of GTIs [s]
ontime7	4757.2411499023	Sum of GTIs [s]
l2events	36662	Number of level 2 events

