

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12440 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See axaff12440N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.009599105358

## 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 NRAO.

seq_num	401181	Sequence number
obs_id	12440	Observation id
title	Following a black hole candidate X-ray transient to quiescence	Pro
observer	dr P Jonker	Principal investigator
object	MAXIJ1659-152	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.757	Observer's specified target RA [deg]
dec_targ	-15.257972	Observer's specified target Dec [deg]
ra_nom	254.75400015187	Nominal RA [deg]
dec_nom	-15.254092833035	Nominal Dec [deg]
roll_nom	95.28115427549	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15009.599105358	Sum of GTIs [s]
livetime	13612.914116958	Livetime [s]
ontime7	15009.599105358	Sum of GTIs [s]
l2events	7700	Number of level 2 events

