

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 14391 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 12 2012

See [axaff14391N001-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	13.573748328388

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	600955	Sequence number
obs_id	14391	Observation id
title	The most luminous ULXs	Proposal title
observer	Mr. Andrew Sutton	Principal investigator
object	2XMM J151558.6+561810	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.994583	Observer's specified target RA [deg]
dec_targ	56.303028	Observer's specified target Dec [deg]
ra_nom	228.99014831246	Nominal RA [deg]
dec_nom	56.304861887503	Nominal Dec [deg]
roll_nom	86.460304182415	Nominal Roll [deg]
revision	1	Processing version of data
ontime	13573.748328388	Sum of GTIs [s]
livetime	13085.538772722	Livetime [s]
ontime2	13573.789368391	Sum of GTIs [s]
ontime3	13573.625208378	Sum of GTIs [s]
ontime5	13573.707288384	Sum of GTIs [s]
ontime6	13573.666248381	Sum of GTIs [s]
ontime7	13573.748328388	Sum of GTIs [s]
ontime8	13573.584168375	Sum of GTIs [s]
l2events	40353	Number of level 2 events

