

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12172 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See [axaff12172N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.5593002843261

## 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	702336	Sequence number
obs_id	12172	Observation id
title	Remarkable High-Redshift Quasars from the Sloan Digital Sky Survey	&#160
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1659+2101	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.805	Observer's specified target RA [deg]
dec_targ	21.021056	Observer's specified target Dec [deg]
ra_nom	254.80546973344	Nominal RA [deg]
dec_nom	21.025914442497	Nominal Dec [deg]
roll_nom	53.767651647698	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6559.3002865911	Sum of GTIs [s]
livetime	6473.5981994601	Livetime [s]
ontime6	6559.2592465878	Sum of GTIs [s]
ontime7	6559.3002865911	Sum of GTIs [s]
ontime8	6559.2182065845	Sum of GTIs [s]
l2events	31874	Number of level 2 events

