

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12159 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

See axaff12159N003_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	9.7535999637246

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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The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.

seq_num	702329	Sequence number
obs_id	12159	Observation id
title	Snapshot survey of 3CRR radio galaxies	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	Protocluster at z=1.30	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.8725	Observer's specified target RA [deg]
dec_targ	38.431111	Observer's specified target Dec [deg]
ra_nom	177.86651249712	Nominal RA [deg]
dec_nom	38.432332970139	Nominal Dec [deg]
roll_nom	133.85981858863	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9753.5999637246	Sum of GTIs [s]
livetime	9630.0940080711	Livetime [s]
ontime2	9753.5999637246	Sum of GTIs [s]
ontime3	9753.5999637246	Sum of GTIs [s]
ontime5	9753.5999637246	Sum of GTIs [s]
ontime6	9753.5999637246	Sum of GTIs [s]
ontime7	9753.5999637246	Sum of GTIs [s]
ontime8	9747.117993176	Sum of GTIs [s]
l2events	108806	Number of level 2 events

