

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12289 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See axaff12289N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.539199934721

## 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.

=====

Joint proposal: HST

seq_num	900944	Sequence number
obs_id	12289	Observation id
title	A CHandra survey of Extended Emission-line Regions in nearby Seyfert galaxies (CHEERS)	Proposal title
observer	Dr. Junfeng Wang	Principal investigator
object	NGC 1386	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.1925	Observer's specified target RA [deg]
dec_targ	-35.99925	Observer's specified target Dec [deg]
ra_nom	54.190700648592	Nominal RA [deg]
dec_nom	-36.003891211359	Nominal Dec [deg]
roll_nom	221.15554738364	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17539.199934721	Sum of GTIs [s]
livetime	17317.108024309	Livetime [s]
ontime2	17539.199934721	Sum of GTIs [s]
ontime3	17539.199934721	Sum of GTIs [s]
ontime5	17539.199934721	Sum of GTIs [s]
ontime6	17539.199934721	Sum of GTIs [s]
ontime7	17539.199934721	Sum of GTIs [s]
ontime8	17539.199934721	Sum of GTIs [s]
l2events	167526	Number of level 2 events

