

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12994 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff12994N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	152.04464524275

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	600960	Sequence number
obs_id	12994	Observation id
title	REMNANTS, BINARIES, AND DIFFUSE EMISSION IN THE NEARBY GRAND DESIGN SPIRAL M83	Proposal title
observer	Dr. Knox Long	Principal investigator
object	M83	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.253333	Observer's specified target RA [deg]
dec_targ	-29.866278	Observer's specified target Dec [deg]
ra_nom	204.2843021995	Nominal RA [deg]
dec_nom	-29.840056660601	Nominal Dec [deg]
roll_nom	40.573931865916	Nominal Roll [deg]
revision	2	Processing version of data
ontime	152044.64524311	Sum of GTIs [s]
livetime	150058.07001937	Livetime [s]
ontime5	152044.6042031	Sum of GTIs [s]
ontime6	152028.85809153	Sum of GTIs [s]
ontime7	152044.64524311	Sum of GTIs [s]
ontime8	152019.39398074	Sum of GTIs [s]
l2events	1535547	Number of level 2 events

