

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12996 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12996N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	53.746634455502

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	12996	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	204.28925539701	Nominal RA [deg]
dec_nom	-29.845328041301	Nominal Dec [deg]
roll_nom	30.174505626053	Nominal Roll [deg]
revision	2	Processing version of data
ontime	53746.634452581	Sum of GTIs [s]
livetime	53044.395105762	Livetime [s]
ontime5	53746.593412578	Sum of GTIs [s]
ontime6	53746.552372575	Sum of GTIs [s]
ontime7	53746.634452581	Sum of GTIs [s]
ontime8	53743.370322287	Sum of GTIs [s]
l2events	527224	Number of level 2 events

