V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 12993 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12993N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.051715996861

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	12993	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
dtycycle	0	&#160
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	204.28344320844	Nominal RA [deg]
dec_nom	-29.839315466249	Nominal Dec [deg]
roll_nom	42.171601806656	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50051.715995491	Sum of GTIs [s]
livetime	49397.753478472	Livetime [s]
ontime5	50051.674955487	Sum of GTIs [s]
ontime6	50045.35188508	Sum of GTIs [s]
ontime7	50051.715995491	Sum of GTIs [s]
ontime8	50042.169874609	Sum of GTIs [s]
l2events	491019	Number of level 2 events