V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 12878 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See axaff12878N003_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	131.95761897433

Comments

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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 7 was removed from the aspect solution due to
poor data quality. The aspect solution is improved by the removal of
this guide star from the solution.
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Joint proposal with HST.
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seq_num	801017	Sequence number
obs_id	12878	Observation id
title	Extreme Mergers from the Massive Cluster Survey	Proposal title
observer	Dr Roger Morris	Principal investigator
object	MACSJ1226.8+2153	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.714583	Observer's specified target RA [deg]
dec_targ	21.854306	Observer's specified target Dec [deg]
ra_nom	186.6783335279	Nominal RA [deg]
dec_nom	21.837110150639	Nominal Dec [deg]
roll_nom	203.59698176947	Nominal Roll [deg]
revision	3	Processing version of data
ontime	131957.61897433	Sum of GTIs [s]
livetime	130233.49553664	Livetime [s]
ontime0	131960.76001447	Sum of GTIs [s]
ontime1	131945.05497271	Sum of GTIs [s]
ontime2	131941.91390294	Sum of GTIs [s]
ontime3	131957.61897433	Sum of GTIs [s]
l2events	335432	Number of level 2 events

o = target
x = nominal pointing