V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 13850 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff13850N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.061151550829

Comments

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Standard software processing technique using the tool tgdetect found a
point source to use as the zeroth order. This observation has been
reprocessed using
the observer-supplied coordinates that are assumed to be correct for the
black hole. The zeroth order used has sky coordinates x=4077.49, y=
4085.40.
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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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seq_num	601012	Sequence number
obs_id	13850	Observation id
title	Chandra HETG Ultra-deep Gratings Spectroscopy of Sgr A* (CHUGSS)	P
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007806	Observer's specified target Dec [deg]
ra_nom	266.41369419306	Nominal RA [deg]
dec_nom	-29.006288950759	Nominal Dec [deg]
roll_nom	92.155188310938	Nominal Roll [deg]
revision	2	Processing version of data
ontime	60061.151550829	Sum of GTIs [s]
livetime	59276.408389441	Livetime [s]
ontime5	60061.110510826	Sum of GTIs [s]
ontime6	60061.069470823	Sum of GTIs [s]
ontime7	60061.151550829	Sum of GTIs [s]
ontime8	60061.02843082	Sum of GTIs [s]
ontime9	60057.846420527	Sum of GTIs [s]
l2events	730473	Number of level 2 events