V&V Summary Report
L2 ASCDS Version : 8.4.4

Observation 10816 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 31 2012

See axaff10816N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.43

Comments

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Source is extended and asymmetric. Standard software processing
technique using the tool tgdetect did not give an accurate position for
the zeroth order. The zeroth order position used in this processing was
manually determined to be the brightest position in the nucleus. The
newly determined zeroth order coordinates (x=4131.375, y=4099.625) have
been placed in the *src1a.fits file, replacing the coordinates
determined by tgdetect. Please note that rerunning tgdetect for
analysis purposes will not give the same zeroth order position as that
used in this processing.
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Roll constraint met.
===
WARNING: there are no standard ciao tools for analysis of grating
spectra from extended sources. The shape of an emission 'line' will be
the shape of the zero order spatial structure convolved with the
instrumental LSF. Grating extractions can be used, but need to be
combined with custom spatial-spectral analysis, since wavelength is
multi-valued at any particular diffraction angle.
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seq_num	701591	Sequence number
obs_id	10816	Observation id
title	NGC 1068: Photo-ionized gas in the nucleus, and ionization cone	Pr
observer	Prof Claude Canizares	Principal investigator
object	NGC 1068	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.669583	Observer's specified target RA [deg]
dec_targ	-0.013333	Observer's specified target Dec [deg]
ra_nom	40.674407532805	Nominal RA [deg]
dec_nom	-0.013721156354438	Nominal Dec [deg]
roll_nom	323.65663060549	Nominal Roll [deg]
revision	3	Processing version of data
ontime	16429.648630321	Sum of GTIs [s]
livetime	16164.295554498	Livetime [s]
ontime4	16429.689670324	Sum of GTIs [s]
ontime5	16429.607590318	Sum of GTIs [s]
ontime6	16429.566550314	Sum of GTIs [s]
ontime7	16429.648630321	Sum of GTIs [s]
ontime8	16429.525510311	Sum of GTIs [s]
ontime9	16429.484470308	Sum of GTIs [s]
l2events	223502	Number of level 2 events