

V&V Summary Report

L2 ASCDS Version : 7.6.10

Observation 675 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 27 2007

See [axaff00675N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.08.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.03

Comments

Charge time for this ObsId remains at original value of 20.03 ks, although with the current processing the charge time would have been 20.13 ksec.=====

Two sources approximately 2 arcsec apart. Standard data processing software did not correctly locate the zeroth order for either source, but found something halfway between the two sources. Findzero also did not work because there are 2 readout streaks, one for each source, so the solution was not unique. The position of the star with the greater number of counts in the Level 2 data (ra=21:29:58.30, dec=+12:10:02.75) was selected as the zeroth order position. Both sources are piled up, so the selected star may not be brighter in actual x-ray flux. Manual intervention was used to input the determined sky coordinates (x=4098.88, y=4068.4) into the *src1a.fits file table. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect on the data.=====The extracted spectral data in this

processing have
wavelength assignments appropriate for the star selected as the
position
of the zeroth order. However, the two stars are too close together for
ACIS
to differentiate between the energies of the events for these two
objects. The two stars are also aligned close to the dispersion
direction.
The spectral data extracted is the combined counts of the two sources
and
the user should take particular care in the analysis.

seq_num	400042
obs_id	675
title	SOFT X-RAY DIAGNOSTICS OF A POSSIBLE ADC IN X2127+119
observer	Dr Nicholas White
object	X2127+119
dtycle	0
cycle	P
ra_targ	322.492917
dec_targ	12.169167
ra_nom	322.49330392246
dec_nom	12.171292113468
roll_nom	205.37226163368
revision	3
ontime	20130.0
livetime	19804.883040015
ontime4	20130.0
ontime5	20130.0
ontime6	20130.0
ontime7	20130.0
ontime8	20130.0
ontime9	20127.459009841
l2events	264876

