

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 329 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

See axaff00329N004_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	77.213

Comments

Charge time for this ObsId remains at previous value of 77.213 ks, although the charge time would have been 77.313 ks with the current processing.

=== Roll constraint met. ===

This is an extended source; the wavelength scale is not unique. Standard processing references the scale to the brightest point in the zero order. The extraction is centered on the brightest point and used default regions widths. Custom extractions may be desired to separate extended and core emission. ===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=3991.97, y=3985.75) 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. === 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.

seq_num	700001	Sequence number
obs_id	329	Observation id
title	OBSERVATIONS OF BRIGHT ACTIVE GALACTIC NUCLEI WITH LETGS	Proposal
observer	DR. ALBERT BRINKMAN	Principal investigator
object	NGC 1068	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.670417	Observer's specified target RA [deg]
dec_targ	-0.013222	Observer's specified target Dec [deg]
ra_nom	40.65530468546	Nominal RA [deg]
dec_nom	0.0019032754290786	Nominal Dec [deg]
roll_nom	308.51476678234	Nominal Roll [deg]
revision	5	Processing version of data
ontime	77313.476181686	Sum of GTIs [s]
livetime	72363.792757101	Livetime [s]
ontime5	77312.158020213	Sum of GTIs [s]
ontime6	77313.399030313	Sum of GTIs [s]
ontime7	77313.476181686	Sum of GTIs [s]
ontime8	77311.43494007	Sum of GTIs [s]
ontime9	77312.03489022	Sum of GTIs [s]
l2events	174536	Number of level 2 events

