

V&V Summary Report

L2 ASCDS Version : 10.1

Observation 15274 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 9 2014

See axaff15274N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	73.562775794506

Comments

There are many dispersed spectra visible on this observation from the many X-ray sources in the field. The extracted spectral data supplied with this processing are of the source at ra=00:42:38.622, dec=+41:16:04.00. This source is somewhat off-axis. Spectra of other sources in the field can be extracted using CIAO tools. Cross-contamination is a possibility with these dispersed spectra and should be considered in the analysis.

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The source indicated above that was used as the zeroth order for dispersed spectral extraction is very near the chip boundary. It has been dithered to the every last row of the chip and slightly into the chip gap. Some zeroth order flux has been lost due to this situation. Dithering of the source over a CCD boundary into the dead space can give a false indication of variability.

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	601077	Sequence number
obs_id	15274	Observation id
title	High Resolution Spectroscopy of X-ray Sources in M 31	Proposal tit
observer	Prof Claude Canizares	Principal investigator
object	M 31 North	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.684583	Observer's specified target RA [deg]
dec_targ	41.285417	Observer's specified target Dec [deg]
ra_nom	10.684197224685	Nominal RA [deg]
dec_nom	41.282402676244	Nominal Dec [deg]
roll_nom	207.15688094903	Nominal Roll [deg]
revision	2	Processing version of data
ontime	73562.775794506	Sum of GTIs [s]
livetime	72601.623972623	Livetime [s]
ontime5	73562.734754503	Sum of GTIs [s]
ontime6	73562.693714499	Sum of GTIs [s]
ontime7	73562.775794506	Sum of GTIs [s]
ontime8	73553.229453444	Sum of GTIs [s]
ontime9	73559.470564246	Sum of GTIs [s]
l2events	661557	Number of level 2 events

