

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 15275 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 7 2014

See axaff15275N002_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	77.062900592685

Comments

The spectral extraction is of the X-ray source J004248.50+411521.4. This is the only object with a spectral extraction in this processing. There are multiple dispersed spectra associated with different sources in this observation, many of which are within a few arcsec of the aim point. There is a possibility of contamination of the target spectrum with one or more of the additional spectral arms. The ciao tool `tgextract2` can be used to create non-standard background regions for purposes of extracting other spectra in this observation.

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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	601078	Sequence number
obs_id	15275	Observation id
title	High Resolution Spectroscopy of X-ray Sources in M 31	Proposal tit
observer	Prof Claude Canizares	Principal investigator
object	M 31 Southeast	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.7025	Observer's specified target RA [deg]
dec_targ	41.258333	Observer's specified target Dec [deg]
ra_nom	10.703600283849	Nominal RA [deg]
dec_nom	41.255420834729	Nominal Dec [deg]
roll_nom	228.46919442286	Nominal Roll [deg]
revision	2	Processing version of data
ontime	77062.900592685	Sum of GTIs [s]
liveltime	76056.017063559	Livetime [s]
ontime5	77062.900592685	Sum of GTIs [s]
ontime6	77062.900592685	Sum of GTIs [s]
ontime7	77062.900592685	Sum of GTIs [s]
ontime8	77059.759522319	Sum of GTIs [s]
ontime9	77062.900592685	Sum of GTIs [s]
l2events	709478	Number of level 2 events

