

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 10703 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 25 2012

See axaff10703N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.113599869251

Comments

THIS IS AN EXAMPLE SPECTRAL EXTRACTION. Very Extended source - special analysis needed. WARNING::Zeroth order position was manually selected to correspond to a bright Si feature in the North (R6 in Lazendic et al. 2006) and shows a high Si f/r line ratio. The sky position of the zeroth order is x=4075.25, y=4276.25.

This extraction position is NOT the same zeroth order position used in TGCat for this obsid. For this present extraction, the same Si feature position as obsid 12206 was used.

The user will need to select a region or source of interest, then use software tools such as CIAO to specify the coordinates of the zeroth order source of interest before running the tools to resolve the dispersed events. The spectral data supplied in this processing are only energy-calibrated for the particular emission knot selected. Roll angle 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.

seq_num	501159	Sequence number
obs_id	10703	Observation id
title	2nd Epoch High Resolution Spectra of Cassiopeia A: Plasma Evolution and Doppler Mapping	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	Cassiopeia A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.86625	Observer's specified target RA [deg]
dec_targ	58.811806	Observer's specified target Dec [deg]
ra_nom	350.86595516964	Nominal RA [deg]
dec_nom	58.816659473588	Nominal Dec [deg]
roll_nom	60.156854273534	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35113.599869251	Sum of GTIs [s]
livetime	34668.970324835	Livetime [s]
ontime4	35113.599869251	Sum of GTIs [s]
ontime5	35113.599869251	Sum of GTIs [s]
ontime6	35113.599869251	Sum of GTIs [s]
ontime7	35113.599869251	Sum of GTIs [s]
ontime8	35110.358898997	Sum of GTIs [s]
ontime9	35113.599869251	Sum of GTIs [s]
l2events	4033685	Number of level 2 events

