

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1942 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Sep 19 2012

See axaff01942N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.948

Comments

Observation acquired in binary phase 0.25-0.30.

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Zeroth order moderately piled up and source is extended. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates (x=4094.05, y=4063.02) into the *src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC called findzero, which is expected to be released in CIAO as tg_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg arm. The zeroth order source position determined by the standard pipeline processing using the tool tgdetect was not used in this processing. The newly determined zeroth order coordinates have been placed in the *src1a.fits file, replacing the coordinates determined by tgdetect. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect on the data.

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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	400155	Sequence number
obs_id	1942	Observation id
title	MAPPING THE JETS OF SS 433	Proposal title
observer	Dr. masaaki namiki	Principal investigator
object	SS 433	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.95625	Observer's specified target RA [deg]
dec_targ	4.982806	Observer's specified target Dec [deg]
ra_nom	287.95615920642	Nominal RA [deg]
dec_nom	4.9872910159007	Nominal Dec [deg]
roll_nom	113.70807139861	Nominal Roll [deg]
revision	4	Processing version of data
ontime	19951.223676994	Sum of GTIs [s]
liveltime	19698.589269612	Livetime [s]
ontime4	19951.264716998	Sum of GTIs [s]
ontime5	19951.182636991	Sum of GTIs [s]
ontime6	19947.900606826	Sum of GTIs [s]
ontime7	19951.223676994	Sum of GTIs [s]
ontime8	19951.100556999	Sum of GTIs [s]
ontime9	19951.059516996	Sum of GTIs [s]
l2events	221670	Number of level 2 events

