

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 5513 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 28 2012

See axaff05513N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.1778

## Comments

Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates ( $x=4100.25$ ,  $y=4062.93$ ) into the \*srcla.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 \*srcla.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.

seq_num	400443	Sequence number
obs_id	5513	Observation id
title	Detailed Studies of the Jets in SS 433	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	SS 433	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.95625	Observer's specified target RA [deg]
dec_targ	4.982778	Observer's specified target Dec [deg]
ra_nom	287.95703764428	Nominal RA [deg]
dec_nom	4.9873161393065	Nominal Dec [deg]
roll_nom	239.09197999708	Nominal Roll [deg]
revision	3	Processing version of data
ontime	49177.800325692	Sum of GTIs [s]
livetime	48081.541186637	Livetime [s]
ontime4	49177.800325692	Sum of GTIs [s]
ontime5	49177.800325692	Sum of GTIs [s]
ontime6	49174.118275553	Sum of GTIs [s]
ontime7	49177.800325692	Sum of GTIs [s]
ontime8	49177.800325692	Sum of GTIs [s]
ontime9	49175.959315538	Sum of GTIs [s]
l2events	463713	Number of level 2 events

