

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 8911 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 21 2012

See axaff08911N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.4479998

## Comments

Time constraint met. Monitor data for target star in slot 6.

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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=4081.03, y=4127.74) 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 (currently in ISIS). The tool calculates the point of intersection of the readout streak and the meg arm (preferred position), or the readout streak and the heg 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.

seq_num	200492	Sequence number
obs_id	8911	Observation id
title	The clear view of WR140's collisionless shocks through the companion O-star wind	Proposal title
observer	Dr Andrew Pollock	Principal investigator
object	WR 140	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	305.116667	Observer's specified target RA [deg]
dec_targ	43.8545	Observer's specified target Dec [deg]
ra_nom	305.11349914061	Nominal RA [deg]
dec_nom	43.850222839392	Nominal Dec [deg]
roll_nom	210.15883124647	Nominal Roll [deg]
revision	2	Processing version of data
ontime	36447.068531811	Sum of GTIs [s]
livetime	35985.553804272	Livetime [s]
ontime4	36447.109571815	Sum of GTIs [s]
ontime5	36447.027491808	Sum of GTIs [s]
ontime6	36446.986451805	Sum of GTIs [s]
ontime7	36447.068531811	Sum of GTIs [s]
ontime8	36446.945411801	Sum of GTIs [s]
ontime9	36446.904371798	Sum of GTIs [s]
l2events	678957	Number of level 2 events

