

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 7203 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Jan 2 2013

See axaff07203N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.63519

## Comments

Very crowded field. Zeroth order position selected was  
ra=10:43:57.457, dec=-59:32:51.32. This position is the mean of the the  
brightest

X-ray position for all 7 obsids of this source (5398, 7201, 7202, 7203,  
7204, 7228, 7229). This zeroth order position was entered manually into  
the processing. The output of the automatic source detection tool  
tgdetect was not used for this processing.

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Warning: Multiple sources in the field may cause contamination of the  
primary extraction at some wavelengths. Extraction is of HD 93129AB.  
Warning: Background important for HEG at about 7 A, plus arm. HD 93162  
falls in background region. Comment: Complex source: [ESW2004] is within  
2 arcsec of the target in the dispersion direction. Extraction probably  
includes both sources with offset in wavelength. These two objects  
cannot be extracted separately.

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Several x-ray sources are included in the region defining the zeroth  
order and in the dispersed spectrum. Spectrum may need to be  
re-extracted in CIAO to separate the sources. Serendipitous zeroth order  
image and dispersed spectrum of HD 93162 present; zeroth order of

HD93162 has a bad CCD row and off-axis PSF. The zeroth order and the dispersed spectrum of HD93162 lie on top of the spectral arm of the dispersed spectrum of the primary target. User could possibly exploit asymmetry in plus and minus orders.

seq_num	200332	Sequence number
obs_id	7203	Observation id
title	A Chandra HETGS Survey of O-Stars	Proposal title
observer	Dr Wayne Waldron	Principal investigator
object	HD93129AB	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.989583	Observer's specified target RA [deg]
dec_targ	-59.5475	Observer's specified target Dec [deg]
ra_nom	160.99227067454	Nominal RA [deg]
dec_nom	-59.545896400252	Nominal Dec [deg]
roll_nom	102.45893940402	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27635.199897051	Sum of GTIs [s]
livetime	27285.266356035	Livetime [s]
ontime4	27635.199897051	Sum of GTIs [s]
ontime5	27635.199897051	Sum of GTIs [s]
ontime6	27635.199897051	Sum of GTIs [s]
ontime7	27635.199897051	Sum of GTIs [s]
ontime8	27631.958926767	Sum of GTIs [s]
ontime9	27631.958926767	Sum of GTIs [s]
l2events	391646	Number of level 2 events

