

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 2572 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 12 2012

See axaff02572N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	65.955

Comments

Several x-ray sources are present in this field, at least one of which is close to the dispersed spectrum of the target. Spectrum could be re-extracted to separate the spectra of all the sources, which would produce a more accurate spectrum and background. Zeroth order image and dispersed spectrum of V729 Cyg present, although considerably off-axis. The dispersed spectrum of V729 Cyg and possibly other sources partially overlap the spectral arms of the dispersed spectrum of the primary target. Note that the standard pipeline processing only extracts the dispersed spectral data for one source, in this case the primary target Cyg OB28A. Extraction software must be run with custom parameters to extract all the spectra from all the sources simultaneously and be sure the events are sorted into the proper source and spectral order. Analysis will be tricky because spectra for several sources are superimposed. User could possibly exploit asymmetry in plus and minus orders.

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Warning: Multiple sources in the field may cause contamination of the primary extraction at some wavelengths (~ 4-5 A in HEG -1).

seq_num	200180	Sequence number
obs_id	2572	Observation id
title	OBSERVING FAST AND MASSIVE HOT STAR WINDS IN THE CYG OB2 ASSOCIATION	
observer	Dr. Joseph Cassinelli	Principal investigator
object	CYG OB2 8A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.312917	Observer's specified target RA [deg]
dec_targ	41.314028	Observer's specified target Dec [deg]
ra_nom	308.30007419392	Nominal RA [deg]
dec_nom	41.31496155405	Nominal Dec [deg]
roll_nom	184.66510472161	Nominal Roll [deg]
revision	3	Processing version of data
ontime	65954.890762448	Sum of GTIs [s]
livetime	65119.730222347	Livetime [s]
ontime4	65958.172782719	Sum of GTIs [s]
ontime5	65958.090702713	Sum of GTIs [s]
ontime6	65954.808682442	Sum of GTIs [s]
ontime7	65954.890762448	Sum of GTIs [s]
ontime8	65954.767642438	Sum of GTIs [s]
ontime9	65951.485632211	Sum of GTIs [s]
l2events	625996	Number of level 2 events

