

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 12351 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jul 19 2012

See axaff12351N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	54.044550147831

Comments

This is a very crowded field. Standard software processing technique using the tool `tgdetect` did not accurately locate the zeroth order due to nearby sources. Zeroth order position was determined by V&V Scientist. The newly determined zeroth order coordinates were manually entered for the tool `tg_create_mask`. Coordinates used as zeroth order position for extracting dispersed spectra in this processing `ra= 18 59 05.666, dec = -47 30 40.9 (x=4091.131, y=4064.3938)`. Note that these corrected coordinates of the zeroth order cannot be reproduced by running `tgdetect` on the data.

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A spatial region of the original bias map for CCD = 6 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 6 has been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels affected by the anomaly are bounded by sky coords:
(134.68560,-47.49111),(134.68754,-47.49351),(134.83839,-47.43764),(134.83645,-47.43525)

seq_num	200686	Sequence number
obs_id	12351	Observation id
title	Magnetic Activity in Very Young O-Stars	Proposal title
observer	Dr. Norbert Schulz	Principal investigator
object	IRS2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	134.773333	Observer's specified target RA [deg]
dec_targ	-47.511361	Observer's specified target Dec [deg]
ra_nom	134.77251785169	Nominal RA [deg]
dec_nom	-47.506975128927	Nominal Dec [deg]
roll_nom	118.66969920154	Nominal Roll [deg]
revision	3	Processing version of data
ontime	54044.550146401	Sum of GTIs [s]
livetime	53360.205510726	Livetime [s]
ontime4	54041.350335538	Sum of GTIs [s]
ontime5	54044.509106398	Sum of GTIs [s]
ontime6	54044.468066394	Sum of GTIs [s]
ontime7	54044.550146401	Sum of GTIs [s]
ontime8	54044.427026391	Sum of GTIs [s]
ontime9	54034.663194895	Sum of GTIs [s]
l2events	652144	Number of level 2 events

