

V&V Summary Report

L2 ASCDS Version : 10.3.1

Observation 16672 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jan 9 2015

See axaff16672N002_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	129.05820499307

Comments

Zeroth order extended to the southwest. Standard software processing technique using the tool `tgdetect` found a position for the zeroth order that is not at the position of the brightest X-ray emission. The position is displaced slightly (about 0.2 arcsec) to the southwest due to the extended emission in this direction. The source is extended and asymmetric. For grating analysis of localized X-ray emission within the extended emission, the investigator will need to extract one or more dispersed spectra using user-defined zeroth order positions for each position of interest. The spectral data supplied in this processing are only energy-calibrated for the particular location of the zeroth order.

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: (65.59045, 19.46602), (65.58972, 19.46908), (65.44525, 19.43845), (65.44598,

seq_num	200993	Sequence number
obs_id	16672	Observation id
title	Challenging accretion models with an HETG observation of T Tau	Pro
observer	Dr Christian Schneider	Principal investigator
object	T Tau	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.4975	Observer's specified target RA [deg]
dec_targ	19.535111	Observer's specified target Dec [deg]
ra_nom	65.502023903663	Nominal RA [deg]
dec_nom	19.531741931153	Nominal Dec [deg]
roll_nom	282.62769884714	Nominal Roll [deg]
revision	2	Processing version of data
ontime	129058.20499307	Sum of GTIs [s]
livetime	127371.96453357	Livetime [s]
ontime5	129058.16395307	Sum of GTIs [s]
ontime6	129058.12291306	Sum of GTIs [s]
ontime7	129058.20499307	Sum of GTIs [s]
ontime8	129051.79964203	Sum of GTIs [s]
ontime9	129061.18193346	Sum of GTIs [s]
l2events	970588	Number of level 2 events

