

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13250 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 8 2012

See axaff13250N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.07529965806

Comments

Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1). Default order sorting can clip some regions, particularly longward of 30A (first order). User-specified custom processing parameters may be required in `tg_resolve_events` (`osipfile=none`, `osort_lo`, `osort_hi ~0.5`) though this can allow more zeroth order background at short wavelengths.

===

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

seq_num	200735	Sequence number
obs_id	13250	Observation id
title	Hot wind and accretion in TW Hya	Proposal title
observer	Dr. Hans Guenther	Principal investigator
object	TW Hya	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.46625	Observer's specified target RA [deg]
dec_targ	-34.704722	Observer's specified target Dec [deg]
ra_nom	165.45645491215	Nominal RA [deg]
dec_nom	-34.685291117041	Nominal Dec [deg]
roll_nom	299.70096517315	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20075.29965806	Sum of GTIs [s]
livetime	18963.496924109	Livetime [s]
ontime4	20075.29965806	Sum of GTIs [s]
ontime5	20075.275457919	Sum of GTIs [s]
ontime6	20075.234417915	Sum of GTIs [s]
ontime7	20075.29965806	Sum of GTIs [s]
ontime8	20075.193377912	Sum of GTIs [s]
ontime9	20075.152337909	Sum of GTIs [s]
l2events	41847	Number of level 2 events

