

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 12398 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 4 2012

See axaff12398N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.047999925375

Comments

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	200732	Sequence number
obs_id	12398	Observation id
title	Magnetically Sleepy Stars: An X-ray Survey of Candidate Stars in Extended Magnetic Minima	Proposal title
observer	Dr. Steven Saar	Principal investigator
object	HD 179958	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.020833	Observer's specified target RA [deg]
dec_targ	49.85575	Observer's specified target Dec [deg]
ra_nom	288.02185004914	Nominal RA [deg]
dec_nom	49.860530642885	Nominal Dec [deg]
roll_nom	50.594362123924	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20047.999925375	Sum of GTIs [s]
livetime	19794.140078864	Livetime [s]
ontime2	20041.518034458	Sum of GTIs [s]
ontime3	20047.999925375	Sum of GTIs [s]
ontime5	20047.999925375	Sum of GTIs [s]
ontime6	20047.999925375	Sum of GTIs [s]
ontime7	20047.999925375	Sum of GTIs [s]
ontime8	20047.999925375	Sum of GTIs [s]
l2events	232767	Number of level 2 events

