

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12356 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 9 2012

See [axaff12356N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	63.951861359

## Comments

Guide star slot 7 used for optical monitoring of the target.

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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	200691	Sequence number
obs_id	12356	Observation id
title	SPINNING CORONA OF FK COM	Proposal title
observer	Dr. Vinay Kashyap	Principal investigator
object	FK Com	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	202.695	Observer's specified target RA [deg]
dec_targ	24.232694	Observer's specified target Dec [deg]
ra_nom	202.69135702698	Nominal RA [deg]
dec_nom	24.229160352876	Nominal Dec [deg]
roll_nom	195.15811992655	Nominal Roll [deg]
revision	2	Processing version of data
ontime	63951.861359119	Sum of GTIs [s]
livetime	62918.983328794	Livetime [s]
ontime4	63949.361348808	Sum of GTIs [s]
ontime5	63951.820319116	Sum of GTIs [s]
ontime6	63951.779279113	Sum of GTIs [s]
ontime7	63951.861359119	Sum of GTIs [s]
ontime8	63949.197188854	Sum of GTIs [s]
ontime9	63951.697199106	Sum of GTIs [s]
l2events	533033	Number of level 2 events

