V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 12393 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

See axaff12393N002_VV001_vvref2.pdf for the full report

V&V Scientist	John Houck
V&V Date (YYYY-MM-DD)	2012.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	63.209449790657

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	200727	Sequence number
obs_id	12393	Observation id
title	Chandra X-ray Observations of Our Nearest Solar Twin - 18 Sco: How Well Does Its Coronal Properties Match the Sun?	Proposal title
observer	Dr. Edward Guinan	Principal investigator
object	18 Sco	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	243.905417	Observer's specified target RA [deg]
dec_targ	-8.369417	Observer's specified target Dec [deg]
ra_nom	243.90431730988	Nominal RA [deg]
dec_nom	-8.3647026084461	Nominal Dec [deg]
roll_nom	71.300153131657	Nominal Roll [deg]
revision	2	Processing version of data
ontime	63209.449791908	Sum of GTIs [s]
livetime	62409.053678482	Livetime [s]
ontime4	63209.490831912	Sum of GTIs [s]
ontime5	63209.408751905	Sum of GTIs [s]
ontime6	63206.126741529	Sum of GTIs [s]
ontime7	63209.449791908	Sum of GTIs [s]
ontime8	63209.326671898	Sum of GTIs [s]
ontime9	63209.285631895	Sum of GTIs [s]
l2events	752102	Number of level 2 events