V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 13752 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

See axaff13752N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

Comments

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Special dither pattern of 1 arcsec used.
===
The high count rate resulted in telemetry saturation and a large number
of dropped exposures. The ONTIME value reflects the lost exposure time.

===
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.
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The high count rate resulted in telemetry saturation and a number of
dropped exposures. The ONTIME value reflects the lost exposure time.
==
Joint proposal with HST.
==
Window preference satisfied.

seq_num	501585		Sequence number
obs_id	13752		Observation id
title	Joint Chandra and HST Monitoring of the Crab Nebula		Proposal title
observer	Dr. Martin Weisskopf		Principal investigator
object	Crab		Source name
dtycycle	0		&#160
cycle	P		events from which exps? Prim/Second/Both
ra_targ	83.631667		Observer's specified target RA [deg]
dec_targ	22.015667		Observer's specified target Dec [deg]
ra_nom	83.630125935145		Nominal RA [deg]
dec_nom	22.012779497741		Nominal Dec [deg]
roll_nom	273.55917518487		Nominal Roll [deg]
revision	1		Processing version of data
ontime	3397.5615895987		Sum of GTIs [s]
livetime	591.02417799091		Livetime [s]
ontime7	3397.5615895987		Sum of GTIs [s]
l2events	1704242		Number of level 2 events