V&V Summary Report
L2 ASCDS Version : 10

Observation 15484 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 3 2014

See axaff15484N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.504576321602

Comments

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These data have been reprocessed with new aspect alignment calibration
files that correct small mean offsets (up to 0.4 arcsecs) and improve
overall astrometric accuracy. The new calibration was determined using
data from the time period being reprocessed and was performed using
cross-correlation of X-ray sources with radio and optical counterparts.


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Zeroth order piled up. Dispersed spectral arms can be seen on the bad
pixel image, indicating they are also likely piled up. The zeroth order
sky position was determined using a software tool developed by CXC
called findzero, which is available in CIAO as part of the tgdetect2
tool. The tool calculates the point of intersection of the readout
streak on the ACIS CCD and the meg dispersed spectral arm, rather than
using a centroid position of the source. The findzero results are more
accurate than source centroid in this case.
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seq_num	790260	Sequence number
obs_id	15484	Observation id
title	AO-14 Calibration Observations of Mkn421	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	MKN421	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.113333	Observer's specified target RA [deg]
dec_targ	38.208806	Observer's specified target Dec [deg]
ra_nom	166.11641403042	Nominal RA [deg]
dec_nom	38.20726985631	Nominal Dec [deg]
roll_nom	265.27878775907	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14504.576321602	Sum of GTIs [s]
livetime	14270.314833298	Livetime [s]
ontime4	14504.617361605	Sum of GTIs [s]
ontime5	14504.535281599	Sum of GTIs [s]
ontime6	14504.494241595	Sum of GTIs [s]
ontime7	14504.576321602	Sum of GTIs [s]
ontime8	14504.453201592	Sum of GTIs [s]
ontime9	14504.412161589	Sum of GTIs [s]
l2events	436549	Number of level 2 events