V&V Summary Report
L2 ASCDS Version : 10.4

Observation 17696 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Aug 4 2015

See axaff17696N003_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2015.08.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.307864

Comments

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WARNING: this is a difficult observation to analyze and requires special
methods to get a good extraction and calibration!
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The aim intentionally placed the mean source position (zeroth order) off
the detector. Hence the sky x,y event coordinates are mapped to the
center of the detectors, and do not intersect the source. For proper
extraction and generation of responses, we have used the celestial
position of the source, and a very wide mask which encloses the events.
Downstream generation of responses should also use that position.

Only HEG negative and MEG positive orders are present.

The CC-mode gain corrections are not accurate when the source position
on the detector is not known; hence, the order-sorting with the default
tables can clip the data; reprocessing with 'flat' order-sorting tables
was used (in 'tg_resolve_events'). This accepts more background,
however; background was high during this observation.

Flux calibration in parts of the spectrum which dither on/off the array
will require a custom mask1 file, particularly the MEG+1 order below
about 4A, since the ACIS frame-store mask over the first ~10 CCD rows

is transparent, but uncalibrated. (the msk1 file is applied by ciao
program mkgrmf).

seq_num	401695	Sequence number
obs_id	17696	Observation id
title	Detecing Super-Eddington Driven Winds in V404 Cyg	Proposal title
observer	Dr. Ashley King	Principal investigator
object	v404 Cyg	Source name
ra_targ	306.015833	Observer's specified target RA [deg]
dec_targ	33.867222	Observer's specified target Dec [deg]
ra_nom	306.00932399689	Nominal RA [deg]
dec_nom	33.866862662509	Nominal Dec [deg]
roll_nom	144.76655826113	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29303.786429286	Sum of GTIs [s]
livetime	29189.318513547	Livetime [s]
ontime4	20744.018489361	Sum of GTIs [s]
ontime5	30221.730823398	Sum of GTIs [s]
ontime6	17526.576916218	Sum of GTIs [s]
ontime7	29303.786429286	Sum of GTIs [s]
ontime8	7578.4859951735	Sum of GTIs [s]
ontime9	19659.828597665	Sum of GTIs [s]
l2events	9189566	Number of level 2 events