V&V Summary Report
L2 ASCDS Version : 10.7.1

Observation 20734 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 21 2019

See axaff20734N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.03.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.765408199787

Comments

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This mode is not supported by the CXC. Cal files don't exist for
HETG/HRC-I. Gratings data cannot be extracted without customization.
Source placed slightly off-axis.
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Sour monitored optically in slot 7:
The ACA has the capability to devote one or more of the eight image
slots to "monitor" particular sky locations. This allows simultaneous
optical photometry of one or more targets in the ACA field of view.
These optical sources can be slightly fainter than the ACA guide star
limit of mACA = 10.2 mag. The bright-end limit for monitor star
photometry is mACA=6.2 mag. However, since there are a fixed number of
image slots, devoting a slot to photometry instead of tracking a guide
star results in a degradation of the image reconstruction and celestial
location accuracy (Section 5.4). Using one monitor slot represents a 15
- 25% increase in the aspect image reconstruction RMS diameter,
depending on the particular guide star configuration. Two monitor slots
would increase the diameter by about 50 - 60%, but this configuration is
not operationally allowed under normal circumstances. The photometric
accuracy which can be achieved depends primarily on the star magnitude,
integration time, CCD dark current, CCD read noise, sky background, and
the CCD dark current uncertainty.
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seq_num	201194		Sequence number
obs_id	20734		Observation id
title	Testing our scenario of a failed wind in TW Hya		Proposal title
observer	Dr. Claude Canizares		Principal investigator
object	TW Hya		Source name
ra_targ	165.46625		Observer's specified target RA [deg]
dec_targ	-34.704722		Observer's specified target Dec [deg]
ra_nom	165.47369688786		Nominal RA [deg]
dec_nom	-34.7036411094		Nominal Dec [deg]
roll_nom	334.90873219508		Nominal Roll [deg]
revision	1		Processing version of data
ontime	32765.408199787		[s]
livetime	32307.334491971		Ontime multiplied by DTCOR
l2events	3953875		Number of level 2 events