

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 20169 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 1 2018

See [axaff20169N001_VV002_vvref2.pdf](#) for the full report

V&V Scientist	Mike Nowak
V&V Date (YYYY-MM-DD)	2018.01.16
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	30.56

Comments

This obsid required recomputation of the aspect due to a fid 1 radial offset.

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Comments for Obs 0

Fid in slot 1 radial offset > 0.550000 arcsec

Charge time:

Variation in Chips > 15% threshold.

Low Chip 6, ONTIME=15860.825129 seconds

High Chip 5, ONTIME=30596.500000 seconds

Chip 9, ONTIME=21200.817568 seconds is less than 80% of scheduled time=30500.000000 seconds

Chip 8, ONTIME=19221.292732 seconds is less than 80% of scheduled time=30500.000000 seconds

Chip 7, ONTIME=19502.342821 seconds is less than 80% of scheduled time=30500.000000 seconds

Chip 6, ONTIME=15860.825129 seconds is less than 80% of scheduled time=30500.000000 seconds

Charge Time was set to the longest ONTIME, which gives the relevant exposure of the observation. Shorter ontimes are due to telemetry

saturation.

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Comments for final report:

- Zeroth order initially was not accurate due to event 1/10 filter.
 - HETG tdety plot shows an unexpected constant tdety line vs. tdetx, in addition to the expected cross pattern. These anomalous events are <<1% of 1st order events. We have not yet identified the (likely software) cause of this issue, but the resulting spectra look reasonable.
- However, given this issue, caution is of course warranted in analyzing the data. Once the CXC identifies and addresses the cause of this issue, the data will be reprocessed and replaced in the archive.

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seq_num	401897	Sequence number
obs_id	20169	Observation id
title	Exploring Disks and Winds in Stellar-Mass Black Holes	Proposal tit
observer	Jon Miller	Principal investigator
object	MAXI J1535-571	Source name
ra_targ	233.832125	Observer's specified target RA [deg]
dec_targ	-57.229889	Observer's specified target Dec [deg]
ra_nom	233.81186507249	Nominal RA [deg]
dec_nom	-57.22972055612	Nominal Dec [deg]
roll_nom	115.47401847126	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19502.34282124	Sum of GTIs [s]
livetime	19426.161794595	Livetime [s]
ontime5	30596.5	Sum of GTIs [s]
ontime6	15860.825129032	Sum of GTIs [s]
ontime7	19502.34282124	Sum of GTIs [s]
ontime8	19221.292732	Sum of GTIs [s]
ontime9	21200.817568183	Sum of GTIs [s]
l2events	3266085	Number of level 2 events

