

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 10070 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 22 2012

See [axaff10070N002-VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.64425

## Comments

The charge time is based on CCD\_ID=5 (S1), which had no dropped frames and does reflect the requested exposure. Other chips have dropped frames due to telemetry saturation, and their effective exposures range from 14.7-29.6 ks. ===The zeroth order is masked with an exclusion window that only allows 1 in 10 events to be sent. === Gain and CTI correction are not well calibrated in CC-mode. Default order sorting can clip some regions, particularly in high orders. User-specified custom processing parameters may be required in `tg_resolve_events` (`osipfile=None`, `osort_lo`, `osort_hi` ~0.3) though this can allow more zeroth order background at short wavelengths.==== For ACIS/CC-mode w/ HETG, there are no MEG even order counts. MEG even orders overlap with HEG orders in energy, but MEG even order efficiencies are very low. Since HEG and MEG cannot be spatially separated, events are preferentially assigned to HEG. (MEG odd orders can be resolved.)

seq_num	401034	Sequence number
obs_id	10070	Observation id
title	High Resolution Spectroscopy of a Black Hole Transient	Proposal ti
observer	Dr Jon Miller	Principal investigator
object	XTE J1752-223	Source name
ra_targ	268.062875	Observer's specified target RA [deg]
dec_targ	-22.342333	Observer's specified target Dec [deg]
ra_nom	268.06473822641	Nominal RA [deg]
dec_nom	-22.338280204995	Nominal Dec [deg]
roll_nom	88.523911377014	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18803.106321573	Sum of GTIs [s]
livetime	18729.656687505	Livetime [s]
ontime4	22535.131859183	Sum of GTIs [s]
ontime5	29644.25	Sum of GTIs [s]
ontime6	14702.3455742	Sum of GTIs [s]
ontime7	18803.106321573	Sum of GTIs [s]
ontime8	18847.83155936	Sum of GTIs [s]
ontime9	23822.676814675	Sum of GTIs [s]
l2events	8667652	Number of level 2 events

