

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 4570 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 12 2008

See axaff04570N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2008.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.185

Comments

Charge time: variation in gtime with chip is due to telemetry saturation. Appropriate HETGS time is the maximum, chip4 time, which does reflect the requested exposure.

=====

Zeroth order is in a 100 column wide count exclusion window with a sampling rate of 1/20.=====

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	400353
obs_id	4570
title	Resolving Relativistic Effects and the Accretion Flow Geometry of a Black Hole in Outburst
observer	Dr Jon Miller
object	GX 339-4
ra_targ	255.70625
dec_targ	-48.789722
ra_nom	255.70444535939
dec_nom	-48.787824283965
roll_nom	254.10018735216
revision	3
ontime	39051.702491432
livetime	38899.156778575
ontime4	50185.25
ontime5	50185.25
ontime6	33304.024588019
ontime7	39051.702491432
ontime8	45345.083678722
ontime9	50185.25
l2events	17001840

