

V&V Summary Report

L2 ASCDS Version : 7.6.7.1

Observation 4571 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Apr 13 2008

See axaff04571N002_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	51.167

Comments

Charge time: Variance in time with chip is due to telemetry saturation.
Appropriate time for HETG spectra is the chip 5 (unsaturated) time.

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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	400354
obs_id	4571
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	255.70521062439
dec_nom	-48.787600941866
roll_nom	239.93376351212
revision	3
ontime	35459.01348719
livetime	35320.501715756
ontime4	50037.487001568
ontime5	51167.0
ontime6	30628.499834269
ontime7	35459.01348719
ontime8	42715.268826455
ontime9	51167.0
l2events	17384601

