

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 5461 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jun 6 2013

See axaff05461N004_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	62.152

Comments

On-time varies w/ CCD chip due to telemetry saturation. The greatest time is for chip 5, and is used for the charge time. ===

A gray filtering area 100 columns wide around the zeroth order was used, allowing 1 in 20 zeroth order photons in this window to be telemetered.===

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.)

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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. The other chips have effective exposures ranging from 25.5-58.2 ks.

seq_num	400391	Sequence number
obs_id	5461	Observation id
title	Relativistic Effects and Outflows in a Black Hole Transient	Propos
observer	Dr Jon Miller	Principal investigator
object	GROJ1655-40	Source name
ra_targ	253.500583	Observer's specified target RA [deg]
dec_targ	-39.845806	Observer's specified target Dec [deg]
ra_nom	253.50220597057	Nominal RA [deg]
dec_nom	-39.847642118046	Nominal Dec [deg]
roll_nom	75.517586590826	Nominal Roll [deg]
revision	4	Processing version of data
ontime	25570.689033717	Sum of GTIs [s]
liveltime	25470.803529679	Livetime [s]
ontime4	53811.506850719	Sum of GTIs [s]
ontime5	62152.25	Sum of GTIs [s]
ontime6	25953.001649648	Sum of GTIs [s]
ontime7	25570.689033717	Sum of GTIs [s]
ontime8	41798.19216314	Sum of GTIs [s]
ontime9	58164.230055541	Sum of GTIs [s]
l2events	21434401	Number of level 2 events

