

V&V Summary Report

L2 ASCDS Version : 8.5.1

Observation 5170 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 19 2012

See [axaff05170N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.064

Comments

Gain and CTI correction are not well calibrated on CCD_ID 5 (ACIS-S1). Default order sorting can clip some regions, particularly longward of 30A (first order). User-specified custom processing parameters may be required in `tg_resolve_events` (`osipfile=none`, `osort_lo`, `osort_hi ~0.5`) though this can allow more zeroth order background at short wavelengths.

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Due to a spacecraft commanding error, the obsid transition occurred 33 seconds from the Kalman lock end of the previous obsid. So there were 2 Kalman locks at two different attitudes. For this processing, first three `*aipr*` files were removed from list due to two KALMAN locks at two different attitudes.

seq_num	790090	Sequence number
obs_id	5170	Observation id
title	AO5 Calibration Observations of 3C273	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	3C273	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.277917	Observer's specified target RA [deg]
dec_targ	2.052389	Observer's specified target Dec [deg]
ra_nom	187.28458196859	Nominal RA [deg]
dec_nom	2.0723369231936	Nominal Dec [deg]
roll_nom	247.15644852907	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30064.794809371	Sum of GTIs [s]
livetime	28399.757592788	Livetime [s]
ontime4	30064.835849375	Sum of GTIs [s]
ontime5	30064.753769368	Sum of GTIs [s]
ontime6	30064.712729365	Sum of GTIs [s]
ontime7	30064.794809371	Sum of GTIs [s]
ontime8	30064.671689361	Sum of GTIs [s]
ontime9	30064.630649388	Sum of GTIs [s]
l2events	165844	Number of level 2 events

