

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 3176 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Nov 9 2012

See axaff03176N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.932

Comments

Non-standard grating/detector combination required custom parameters. Used flat order-sorting in `tg_resolve_events`, since there is no 'osip' table for ACIS-I. `=== pset grt_lev15 osipfile=none=== pset grt_lev15 osort_lo=0.3=== pset grt_lev15 osort_hi=0.3===` Zeroth order piled up. Standard data processing software did not correctly locate the zeroth order due to pileup. Manual intervention was used to input the correct sky coordinates (`x=3824.125, y=3195.125`) into the `*src1a.fits` file table. These corrected coordinates were determined by eye because neither the pipeline tool `tgdetect` nor the `findzero` tool was successful in identifying the piled up zeroth order so close to a chip boundary. Source is very off-axis. Zeroth order was placed at brightest part of source. The determination of the position by eye is expected to be in error by up to 1-2 pixels. The newly determined zeroth order coordinates have been placed in the `*src1a.fits` file, replacing the coordinates determined by `tgdetect`. Note that these corrected coordinates of the zeroth order cannot be reproduced by running `tgdetect` on the data.

seq_num	790070	Sequence number
obs_id	3176	Observation id
title	AO3 LETG/ACIS-I CALIBRATION OBSERVATIONS OF PKS2155-304	Proposal t
observer	Dr. CXC Calibration	Principal investigator
object	PKS2155-304	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.716667	Observer's specified target RA [deg]
dec_targ	-30.225556	Observer's specified target Dec [deg]
ra_nom	329.67401693879	Nominal RA [deg]
dec_nom	-30.101863042204	Nominal Dec [deg]
roll_nom	285.98550822395	Nominal Roll [deg]
revision	5	Processing version of data
ontime	7932.3427335471	Sum of GTIs [s]
livetime	7831.8986335716	Livetime [s]
ontime0	7932.3427335471	Sum of GTIs [s]
ontime1	7932.3837735504	Sum of GTIs [s]
ontime2	7932.4248135537	Sum of GTIs [s]
ontime3	7932.4658535421	Sum of GTIs [s]
ontime6	7932.5479335487	Sum of GTIs [s]
ontime7	7932.5068935454	Sum of GTIs [s]
l2events	77687	Number of level 2 events

