

V&V Summary Report

L2 ASCDS Version : 10.2.1

Observation 15659 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff15659N002_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.064

Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

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Zeroth order source is dithered just to the edge of the CCD chip. Flux measurements of the zeroth order might show a variability associated with the dither frequency.

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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.

seq_num	702924	Sequence number
obs_id	15659	Observation id
title	Mapping the AGN Broad Line Region by Reverberation	Proposal title
observer	Prof. Bradley Peterson	Principal investigator
object	NGC 5548	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.497917	Observer's specified target RA [deg]
dec_targ	25.136778	Observer's specified target Dec [deg]
ra_nom	214.49098153409	Nominal RA [deg]
dec_nom	25.116688313875	Nominal Dec [deg]
roll_nom	79.961851574814	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5064.0	Sum of GTIs [s]
liveltime	4864.366402828	Livetime [s]
ontime5	5064.0	Sum of GTIs [s]
ontime6	5064.0	Sum of GTIs [s]
ontime7	5064.0	Sum of GTIs [s]
ontime8	5064.0	Sum of GTIs [s]
l2events	17063	Number of level 2 events

