

V&V Summary Report

L2 ASCDS Version : 10.2.2

Observation 15661 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 11 2014

See axaff15661N002_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	5.0618216307163

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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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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Joint Proposal: CX0-HST

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The source's zeroth order falls very close to the gap between the CCD chips. Although it does not appear to have been dithered over this gap, any suggestion of source variability should consider this possibility. Dithering over the chip boundary can give a false indication of variability.

seq_num	702926	Sequence number
obs_id	15661	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	214.52110543935	Nominal RA [deg]
dec_nom	25.13882167432	Nominal Dec [deg]
roll_nom	192.90252802916	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5061.8216307163	Sum of GTIs [s]
livetime	4862.2739094716	Livetime [s]
ontime5	5061.780590713	Sum of GTIs [s]
ontime6	5061.7395507097	Sum of GTIs [s]
ontime7	5061.8216307163	Sum of GTIs [s]
ontime8	5061.6985107064	Sum of GTIs [s]
l2events	17825	Number of level 2 events

