

# V&V Summary Report

## L2 ASCDS Version : 10.2.1

Observation 15660 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff15660N002\_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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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: CXO-HST

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The source's zeroth order falls very close to the gap between the CCD chips. Any suggestion of source variability should consider this possibility. Dithering over the chip boundary can give a false indication of variability.

seq_num	702925	Sequence number
obs_id	15660	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	&#160
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	214.51251112709	Nominal RA [deg]
dec_nom	25.120455750158	Nominal Dec [deg]
roll_nom	136.18869041816	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5064.0	Sum of GTIs [s]
livetime	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	18377	Number of level 2 events

