

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 6091 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Mar 7 2013

See axaff06091N004\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.95416

## 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.

===

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. The value for FP temperature reported in the headers of the Level 2 event file and the Mission Timeline files are incorrect by this amount for this processing. However, the temperature is corrected in the processing in order to obtain the correct temperature for the CTI correction. So the calibrated data are correct. If using the FP temp values in the headers of data files (some CIAO tools require this information), investigators should subtract 1.3 degrees from the reported temperature to determine the true temperature.

seq_num	790100	Sequence number
obs_id	6091	Observation id
title	AO6 Calibration Observations of PKS2155-304	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS2155-304	Source name
dtycycle	0	&#160
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	329.69860890811	Nominal RA [deg]
dec_nom	-30.211456306417	Nominal Dec [deg]
roll_nom	313.53931250876	Nominal Roll [deg]
revision	4	Processing version of data
ontime	30956.26827243	Sum of GTIs [s]
livetime	29241.859806084	Livetime [s]
ontime4	30956.26827243	Sum of GTIs [s]
ontime5	30956.26827243	Sum of GTIs [s]
ontime6	30956.26827243	Sum of GTIs [s]
ontime7	30956.26827243	Sum of GTIs [s]
ontime8	30956.26827243	Sum of GTIs [s]
ontime9	30956.26827243	Sum of GTIs [s]
l2events	188511	Number of level 2 events

