

# V&V Summary Report

## L2 ASCDS Version : 10.2.1

Observation 16090 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff16090N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	70.047833938301

## 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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Roll constraint met. === The RMS deviation is not a problem on fid light slot 2, especially since the fid is not used. The slot 2 fid is marked 'BAD' because it was dropped approximately 40ks into the observation.

seq_num	702979	Sequence number
obs_id	16090	Observation id
title	Resolved Spectroscopy of the Extended X-ray Emission in NGC 4151: New Insights into AGN-driven Outflows	Proposal title
observer	Professor Steven Kraemer	Principal investigator
object	NGC4151	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.635833	Observer's specified target RA [deg]
dec_targ	39.405833	Observer's specified target Dec [deg]
ra_nom	182.62962714138	Nominal RA [deg]
dec_nom	39.405135832431	Nominal Dec [deg]
roll_nom	156.60887597824	Nominal Roll [deg]
revision	2	Processing version of data
ontime	70047.833938301	Sum of GTIs [s]
livetime	68870.154299775	Livetime [s]
ontime5	70047.792898297	Sum of GTIs [s]
ontime6	70047.751858294	Sum of GTIs [s]
ontime7	70047.833938301	Sum of GTIs [s]
ontime8	70047.710818291	Sum of GTIs [s]
ontime9	70047.669778287	Sum of GTIs [s]
l2events	460334	Number of level 2 events

