

# V&V Summary Report

## L2 ASCDS Version : 10.2.1

Observation 16089 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff16089N002-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	174.88079826272

## 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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This is a slightly extended source, extracted as if a point source centered on the zeroth order centroid. The central bright region is enclosed by default extraction regions, but custom extractions may be necessary if morphology is relevant.

seq_num	702979	Sequence number
obs_id	16089	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	182.63004767505	Nominal RA [deg]
dec_nom	39.407746137893	Nominal Dec [deg]
roll_nom	125.16029461151	Nominal Roll [deg]
revision	2	Processing version of data
ontime	174818.39826334	Sum of GTIs [s]
livetime	171879.26286829	Livetime [s]
ontime5	174818.39826334	Sum of GTIs [s]
ontime6	174818.38360989	Sum of GTIs [s]
ontime7	174818.39826334	Sum of GTIs [s]
ontime8	174818.34256989	Sum of GTIs [s]
ontime9	174815.86046976	Sum of GTIs [s]
l2events	1192080	Number of level 2 events

