

# V&V Summary Report

## L2 ASCDS Version : 10.2.1

Observation 16306 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff16306N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	80.773164032876

## 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.

seq_num	801433	Sequence number
obs_id	16306	Observation id
title	HST Frontier Fields Cluster Study	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	MACSJ1149.5+2223	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.39375	Observer's specified target RA [deg]
dec_targ	22.404278	Observer's specified target Dec [deg]
ra_nom	177.38702023324	Nominal RA [deg]
dec_nom	22.45834745807	Nominal Dec [deg]
roll_nom	94.211252717567	Nominal Roll [deg]
revision	2	Processing version of data
ontime	80773.164032876	Sum of GTIs [s]
livetime	79717.803180449	Livetime [s]
ontime0	80773.040942907	Sum of GTIs [s]
ontime1	80776.223033249	Sum of GTIs [s]
ontime2	80769.981942475	Sum of GTIs [s]
ontime3	80773.164032876	Sum of GTIs [s]
ontime6	80772.999882877	Sum of GTIs [s]
l2events	212961	Number of level 2 events

