

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 498 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 25 2009

See [axaff00498N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.164

## Comments

Focal plane temperature is warmer than -118.7 C degrees during the entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is also warmer than -116.7 degrees C for the entire observation. This temperature is the upper limit of the verified ACIS calibration for the back-illuminated chips. The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.

seq_num	800006	Sequence number
obs_id	498	Observation id
title	THE COOLING FLOW IN A2199	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	A2199	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.160417	Observer's specified target RA
dec_targ	39.550833	Observer's specified target Dec
ra_nom	247.1878884669	Nominal RA
dec_nom	39.553079142281	Nominal Dec
roll_nom	11.279825650247	Nominal Roll
revision	4	Processing version of data
ontime	19164.132786386	Sum of GTIs [s]
livetime	18921.464997789	Livetime [s]
ontime2	19164.091746382	Sum of GTIs [s]
ontime3	19164.009666383	Sum of GTIs [s]
ontime6	19160.809716247	Sum of GTIs [s]
ontime7	19164.132786386	Sum of GTIs [s]
ontime8	19163.968626387	Sum of GTIs [s]
l2events	564745	Number of level 2 events

