

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 1306 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 17 2009

See axaff01306N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2009.11.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.04389444

## Comments

Joy,

Yes. A window mask was used to disable ACIS-S0, -S1, -S4, and -S5. Therefore, only events for ACIS-S2 and -S3 were telemetered although all 6 of the ACIS-S CCDs are specified as 'active.'

Glenn

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GLENN,

Is this a correct comment?

'Although 6 CCD chips were turned on for this observation, a spatial exclusion window was specified that only allowed events from chips 6 and 7 to be telemetered.'

Joy

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Engineering data, so no fids / guide stars present.

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entire observation. This temperature is the upper limit of the verified ACIS calibration for the front-illuminated chips. The focal plane temperature is warmer than -116.7 degrees C for approximately the [first 8 ksec] of this 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.

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(NOTE: Does charge time matter for a non-science observation?)

Charge time for this observation remains at original value of 9 ksec, although with the current processing the charge time would have been 8.043 ksec.

seq_num	&#160	Sequence number
obs_id	1306	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	119.99427452461	Nominal RA
dec_nom	-66.595007105649	Nominal Dec
roll_nom	121.36583403009	Nominal Roll
revision	4	Processing version of data
ontime	8043.8944469914	Sum of GTIs [s]
livetime	7942.0378120518	Livetime [s]
ontime4	4498.5385449827	Sum of GTIs [s]
ontime5	8043.8534069881	Sum of GTIs [s]
ontime6	5133.7701448053	Sum of GTIs [s]
ontime7	8043.8944469914	Sum of GTIs [s]
ontime8	5162.9389561117	Sum of GTIs [s]
ontime9	5023.5776979178	Sum of GTIs [s]
l2events	1274057	Number of level 2 events