

V&V Summary Report

L2 ASCDS Version : 8.1.2

Observation 1512 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 4 2009

See [axaff01512N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.388

Comments

Only chip S2 is used. Telemetry saturation.

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Charge time for this ObsId remains at previous value of 1.388 ksec, although with the current processing the charge time would have been 1.380 ksec.

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The focal plane temperature is approximately -110C during this observation. This reprocessing of the data applies no CTI correction because none is available for this temperature at present.

The ACIS CTI correction has not been calibrated at this temperature, because it was early in the mission, and ACIS had not yet been lowered to the standard -119.7 C. Both front and back illuminated chips are affected. However a T_GAIN correction has been applied to the BI chips (ACIS-5 and ACIS-7) data included here.

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

seq_num	580462	Sequence number
obs_id	1512	Observation id
title	ACIS CHIP RESPONSE TO CAS A, JAN. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S2, T=110, Offsets=6,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA
dec_targ	58.814833	Observer's specified target Dec
ra_nom	350.69552420394	Nominal RA
dec_nom	58.876396897891	Nominal Dec
roll_nom	322.90894344908	Nominal Roll
revision	3	Processing version of data
ontime	1380.7994863167	Sum of GTIs [s]
livetime	1363.3149718034	Livetime [s]
ontime4	1750.3590414152	Sum of GTIs [s]
ontime5	1750.3590414152	Sum of GTIs [s]
ontime6	1380.7994863167	Sum of GTIs [s]
ontime7	1750.3590414152	Sum of GTIs [s]
ontime8	1750.350601472	Sum of GTIs [s]
ontime9	1753.5505216941	Sum of GTIs [s]
l2events	320117	Number of level 2 events

