

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 631 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jul 10 2010

See axaff00631N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.126

Comments

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star from the solution.

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Charge time for this ObsId remains at previous value of 37.126 ks, although with the current processing the charge time would have been 37.165 ksec.

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A high radiation environment persisted throughout this observations.

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The focal plane temperature is approximately -110 C 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.

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	200056	Sequence number
obs_id	631	Observation id
title	SHOCKED STELLAR WINDS IN PLANETARY NEBULAE	Proposal title
observer	Prof. You-Hua Chu	Principal investigator
object	NGC 7293	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	337.410417	Observer's specified target RA
dec_targ	-20.838333	Observer's specified target Dec
ra_nom	337.41075064082	Nominal RA
dec_nom	-20.843283438197	Nominal Dec
roll_nom	296.4967564857	Nominal Roll
revision	4	Processing version of data
ontime	37164.595832668	Sum of GTIs [s]
livetime	36693.995342402	Livetime [s]
ontime5	37164.554792665	Sum of GTIs [s]
ontime6	37164.513752669	Sum of GTIs [s]
ontime7	37164.595832668	Sum of GTIs [s]
ontime8	37161.231762446	Sum of GTIs [s]
ontime9	37161.190692529	Sum of GTIs [s]
l2events	424206	Number of level 2 events

