

V&V Summary Report

L2 ASCDS Version : 8.1.1

Observation 1480 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Jul 10 2010

See [axaff01480N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.145

Comments

High radiation environment during this observation.

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No guide star in slot 3 was planned for this observation.

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Charge time for this ObsId remains at original value of 11.145 ks, although with the current processing the charge time would have been 11.164 ksec.

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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.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives

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	1480	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	337.41075507082	Nominal RA
dec_nom	-20.843323378043	Nominal Dec
roll_nom	296.49675273748	Nominal Roll
revision	4	Processing version of data
ontime	11163.705123991	Sum of GTIs [s]
livetime	11022.343567735	Livetime [s]
ontime5	11163.664083987	Sum of GTIs [s]
ontime6	11163.623043984	Sum of GTIs [s]
ontime7	11163.705123991	Sum of GTIs [s]
ontime8	11166.822964199	Sum of GTIs [s]
ontime9	11160.300003774	Sum of GTIs [s]
l2events	120938	Number of level 2 events

