

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 7170 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Jul 27 2015

See axaff07170N005_VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.48791

Comments

Because an aspect solution is determined in a finite time interval, a small number of events registered within the delta time before the first aspect solution do not have proper sky coordinates. We apply a manual workaround to exclude those events with incorrect sky positions until the complete s/w resolution is obtained.

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As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY 258), the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. The value for FP temperature reported in the headers of the Level 2 event file and the Mission Timeline files are incorrect by this amount for this processing. However, the temperature is corrected in the processing in order to obtain the correct temperature for the CTI correction. So the calibrated data are correct. If using the FP temp values in the headers of data files (some CIAO tools require this information), investigators should subtract 1.3 degrees from the reported temperature to determine the true temperature.

seq_num	600486	Sequence number
obs_id	7170	Observation id
title	The Chandra ACIS Survey of M33 (ChASem33): A Deep Survey of the Nearest Face-on Spiral Galaxy	Proposal title
observer	Dr Manami Sasaki	Principal investigator
object	M33 Field 5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	23.36625	Observer's specified target RA [deg]
dec_targ	30.523694	Observer's specified target Dec [deg]
ra_nom	23.363323996305	Nominal RA [deg]
dec_nom	30.527602048335	Nominal Dec [deg]
roll_nom	145.710169721	Nominal Roll [deg]
revision	5	Processing version of data
ontime	41487.749120235	Sum of GTIs [s]
livetime	40962.406259952	Livetime [s]
ontime0	41490.990020782	Sum of GTIs [s]
ontime1	41490.990050882	Sum of GTIs [s]
ontime2	41487.749000639	Sum of GTIs [s]
ontime3	41487.749120235	Sum of GTIs [s]
ontime6	41494.231011182	Sum of GTIs [s]
ontime7	41494.231011182	Sum of GTIs [s]
l2events	243887	Number of level 2 events

