

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 10939 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 14 2013

See [axaff10939N003_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.02.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.384559197366

Comments

Before this observation began, ACIS had a software reboot. This observation was then performed using the original ACIS flight s/w version. The data are good. The only problem was that the housekeeping files did not contain the focal plane temperature in a useful format, which is needed for instrument calibration. In order to process the data, ACIS housekeeping files were constructed that assumed a focal plane temperature of -119.15 degrees C. This value was determined by interpolating between the FP temp values before the anomaly and after DPA side B was turned back on. Data for the analysis was obtained from MTA group in dataseeker. Details of workaround procedure are documented in log file for ACIS level 1 processing.

seq_num	200571	Sequence number
obs_id	10939	Observation id
title	The Chandra Cygnus OB2 Survey	Proposal title
observer	Dr. Jeremy Drake	Principal investigator
object	Cygnus OB2	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.026986	Observer's specified target RA [deg]
dec_targ	40.986751	Observer's specified target Dec [deg]
ra_nom	308.03720810717	Nominal RA [deg]
dec_nom	40.989133704138	Nominal Dec [deg]
roll_nom	359.84441070495	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24384.559197366	Sum of GTIs [s]
livetime	24065.956979801	Livetime [s]
ontime0	24384.559097707	Sum of GTIs [s]
ontime1	24381.418137372	Sum of GTIs [s]
ontime2	24387.700187564	Sum of GTIs [s]
ontime3	24384.559197366	Sum of GTIs [s]
ontime6	24378.277426124	Sum of GTIs [s]
l2events	654046	Number of level 2 events

