

V&V Summary Report

L2 ASCDS Version : 7.6.10

Observation 3403 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jan 13 2007

See axaff03403N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.01.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	58.134

Comments

WARNING: incomplete dispersed spectral data due to instrument anomaly.
Observation was repeated with obsid 3410

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During this observation, an ACIS Threshold-Plane Anomaly occurred. The flight s/w is intended to delay 'start events' until after 'end bias dump'. For some unknown reason, it occasionally fails to do so, and if the overlap lasts for more than a minute or so, one or more FEPs experience a firmware latch-up that renders them useless until they are power cycled. The symptom is that the CCD connected to the affected FEP starts reporting the same pixels frame after frame regardless of whether there is an X-ray event in those pixels or not. As a result, no events except hot pixels in the detector are recorded. Most, but not all, of the hot pixels on these two chips are removed in the Level 2 event list.

The anomaly occurred for chips S2 and S4 only. However, since this a grating observation, significant portions of the spectral arms are missing

for both the plus and minus sides.

seq_num	200118
obs_id	3403
title	TORTURED CORONAE IN THE RAPID BRAKING ZONE
observer	Dr. Thomas Ayres
object	HD 93497
dtycycle	0
cycle	P
ra_targ	161.692083
dec_targ	-49.42
ra_nom	161.68910030705
dec_nom	-49.410459619093
roll_nom	111.70175905948
revision	2
ontime	58134.400054142
livetime	57398.267276323
ontime4	58131.159093887
ontime5	58134.400054142
ontime6	58134.400054142
ontime7	58134.400054142
ontime8	58134.400054142
ontime9	58134.400054142
l2events	536754

