

V&V Summary Report

L2 ASCDS Version : 7.6.10

Observation 1994 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Aug 22 2007

See axaff01994N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.99

Comments

Charge time for this ObsId remains at original value of 23.99 ks, although with the current processing the charge time would have been 18.53 ksec.
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WARNING: incorrectly placed spatial inclusion window. Observation is a subarray on chip 7 starting at row 29 and ending at row 328. However, the inclusion window used started at start column = 28, start row = 106, which is opposite of what was specified by the observer. This is an operational error because the number of rows included in the spatial window is less than the number of rows in the subarray, so part of the Crab nebula is not included in the observation.

Manual modification of the window specification file was done to allow processing to complete. =====

The readout streak from the piled up pulsar very nearly overlays the node boundary of the CCD. The readout streak has a large number of counts per pixel, while the node boundary has 2 columns with pixels set to zero.

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There are many dropped frames due to telemetry saturation. The dropped exposures account for the ontime calculated as less than the requested exposure time.

seq_num	500171
obs_id	1994
title	COORDINATED CHANDRA/HST OBSERVATIONS OF THE CRAB NEBULA
observer	PROF. JEFF HESTER
object	CRAB NEBULA
dtcycle	0
cycle	P
ra_targ	83.631667
dec_targ	22.015667
ra_nom	83.633465427449
dec_nom	22.019907606416
roll_nom	91.209601845056
revision	3
ontime	18534.276178911
livetime	3241.7315875942
ontime7	18534.276178911
l2events	8897826

