

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1994 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 5 2012

See axaff01994N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.99

Comments

Charge time for this observation remains at the previous 23.99 ks. The high count rate resulted in telemetry saturation and a large number of dropped exposures. The ONTIME value reflects the lost exposure time.

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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 the extreme west 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. Dither was disabled for this observation.

seq_num	500171	Sequence number
obs_id	1994	Observation id
title	COORDINATED CHANDRA/HST OBSERVATIONS OF THE CRAB NEBULA	Proposal t
observer	PROF. JEFF HESTER	Principal investigator
object	CRAB NEBULA	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.631667	Observer's specified target RA [deg]
dec_targ	22.015667	Observer's specified target Dec [deg]
ra_nom	83.633465427449	Nominal RA [deg]
dec_nom	22.019907606416	Nominal Dec [deg]
roll_nom	91.209601845056	Nominal Roll [deg]
revision	4	Processing version of data
ontime	18534.276178911	Sum of GTIs [s]
livetime	3241.7315875942	Livetime [s]
ontime7	18534.276178911	Sum of GTIs [s]
l2events	8897292	Number of level 2 events

