

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 14680 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 1 2014

See axaff14680N002-VV001_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

Comments

Joint proposal with HST.

Observation coordinated with HST.

Window preference met.

A special dither pattern of +/- 1 arcsec was used for this observation. Charge time is set to the scheduled time for this observation, although the ontime is significantly less due to telemetry saturation. In addition, the livetime of the detector is about 602 s, significantly shorter than the ONTIME of 3472.7 s. This is because the frame time of 0.2 s is shorter than the minimum time that it takes to read out the detector (about 0.9 s) in the specified configuration. Therefore, there is a flush of 0.91188 s preceding each frame. This flush time is dead time.

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	501814	Sequence number
obs_id	14680	Observation id
title	Joint Chandra and HST Monitoring and Studies of the Crab Nebula	Pr
observer	Dr. Martin Weisskopf	Principal investigator
object	Crab	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	83.630098999095	Nominal RA [deg]
dec_nom	22.012809128525	Nominal Dec [deg]
roll_nom	273.13122894298	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3472.6990990639	Sum of GTIs [s]
livetime	602.41805139365	Livetime [s]
ontime7	3472.6990990639	Sum of GTIs [s]
l2events	1702980	Number of level 2 events

