

V&V Summary Report

L2 ASCDS Version : 8.5.1.1

Observation 14681 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 2 2014

See [axaff14681N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.10
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.

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 606 sec, significantly shorter than the ontime of 3497 sec. 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 sec) in the specified configuration. Therefore, there is a flush of 0.90588 sec preceding each frame. This flush time is dead time.

This observation used a non-standard dither.

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	501815	Sequence number
obs_id	14681	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	83.630012030092	Nominal RA [deg]
dec_nom	22.012834784115	Nominal Dec [deg]
roll_nom	271.69273464125	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3496.9574851394	Sum of GTIs [s]
livetime	606.41582303948	Livetime [s]
ontime7	3496.9574851394	Sum of GTIs [s]
l2events	1702907	Number of level 2 events

