

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 16257 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 7 2014

See [axaff16257N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10

Comments

Joint proposal with HST.

Observation coordinated with HST.

Window preference met.

A non-standard dither 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 1287 s, significantly shorter than the ONTIME of 7462 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 0.9 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	502251	Sequence number
obs_id	16257	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	83.633340959721	Nominal RA [deg]
dec_nom	22.018479777228	Nominal Dec [deg]
roll_nom	91.1527483317	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7461.7470107675	Sum of GTIs [s]
livetime	1286.8187167191	Livetime [s]
ontime7	7461.7470107675	Sum of GTIs [s]
l2events	3513484	Number of level 2 events

