

# V&V Summary Report

## L2 ASCDS Version : 10.3.1

Observation 16360 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 18 2015

See axaff16360N001-VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10

## Comments

Charge time is set to the scheduled time for this observation, although the ontime is 7946, which is significantly less due to telemetry saturation. In addition, the livetime of the detector is about 1368 s, significantly shorter than the ONTIME of 7946 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 0.90588 s preceding each frame. This flush time is dead time.

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The observation uses non-standard dither.

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Joint Proposal with HST. Window constraint met.

seq_num	502258	Sequence number
obs_id	16360	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	&#160
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	83.629991163295	Nominal RA [deg]
dec_nom	22.010121183894	Nominal Dec [deg]
roll_nom	270.15726985445	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7945.9498560429	Sum of GTIs [s]
livetime	1367.9629955657	Livetime [s]
ontime7	7945.9498560429	Sum of GTIs [s]
l2events	3488070	Number of level 2 events

