

V&V Summary Report

L2 ASCDS Version : 10.2.1

Observation 16357 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 9 2014

See axaff16357N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10

Comments

Joint Proposal with HST. Window constraint met. A non-standard dither was used for this observation.

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Charge time is set to the scheduled time for this observation, although the ontime is 7562 s, which is significantly less due to telemetry saturation. In addition, the livetime of the detector is about 1304 s, significantly shorter than the ONTIME of 7562 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.

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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	502255	Sequence number
obs_id	16357	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	83.630142497654	Nominal RA [deg]
dec_nom	22.012783881084	Nominal Dec [deg]
roll_nom	273.9545565784	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7561.6968591213	Sum of GTIs [s]
livetime	1303.6059819883	Livetime [s]
ontime7	7561.6968591213	Sum of GTIs [s]
l2events	3485659	Number of level 2 events

