

V&V Summary Report

L2 ASCDS Version : 8.4.3

Observation 13751 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 12 2012

See axaff13751N001-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.01.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

Comments

Charge time:

ONTIME of 3387.2138743401 seconds is less than 85% of expected scheduled time of 5000 seconds

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Charge time is set to the scheduled time for this observation, although the ontime is 3387s, which is significantly less due to telemetry saturation. In addition, the livetime of the detector is about 589 s, significantly shorter than the ONTIME of 3387.214 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. The observation uses non-standard dither.

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Joint Proposal: HST. Window constraint met.

seq_num	501584	Sequence number
obs_id	13751	Observation id
title	Joint Chandra and HST Monitoring of the Crab Nebula	Proposal title
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	83.630236288573	Nominal RA [deg]
dec_nom	22.012732065407	Nominal Dec [deg]
roll_nom	275.26910388627	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3387.2138743401	Sum of GTIs [s]
liveltime	589.42920585042	Livetime [s]
ontime7	3387.2138743401	Sum of GTIs [s]
l2events	1697573	Number of level 2 events

