

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 13208 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 19 2012

See axaff13208N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

## Comments

This observation has significant telemetry saturation. The ONTIME is therefore less than the requested 5000 seconds.

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A non-standard dither amplitude of 1 arcsec was used.

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Charge time: ONTIME of 3360.7444530129 seconds is less than 85% of expected scheduled time of 5000 seconds The LIVETIME of 585.638 s is much shorter than the ONTIME of 3360.744 s 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 source appears to be bright enough to saturate telemetry. Since an image of the source is apparent in the bad events, the source is most likely piled.

seq_num	501546	Sequence number
obs_id	13208	Observation id
title	Monitoring of the Crab Nebula	Proposal title
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	83.633209437277	Nominal RA [deg]
dec_nom	22.018549976009	Nominal Dec [deg]
roll_nom	93.492229532018	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3360.7444541454	Sum of GTIs [s]
liveltime	585.63838813394	Livetime [s]
ontime7	3360.7444541454	Sum of GTIs [s]
l2events	1707262	Number of level 2 events

