

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 13139 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

See axaff13139N002-VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

Comments

ONTIME of 3465.8263792396 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 3466 s, which is significantly less due to telemetry saturation. In addition, the livetime of the detector is about 605 s, significantly shorter than the ONTIME of 3466 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.

seq_num	501531	Sequence number
obs_id	13139	Observation id
title	Search for new spatial structure associated with the gamma-ray enhancement of the Crab	Proposal title
observer	Dr. Martin Weisskopf	Principal investigator
object	Crab Nebula	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	83.633280323747	Nominal RA [deg]
dec_nom	22.018521806698	Nominal Dec [deg]
roll_nom	92.392624675262	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3465.8263792396	Sum of GTIs [s]
livetime	605.97726671323	Livetime [s]
ontime7	3465.8263792396	Sum of GTIs [s]
l2events	1699044	Number of level 2 events

