

# V&V Summary Report

## L2 ASCDS Version : 8.1.2

Observation 168 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 17 2009

See [axaff00168N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	John Houck
V&V Date (YYYY-MM-DD)	2010.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.65004744

## Comments

Charge time:

New charge time is less than existing charge time used in previously distributed version

NEW CHARGE TIME = 2.650047 ks, 1 Obis

EXISTING CHARGE TIME = 13.404000 ks, 1 Obis.

Variation in Chips > 15% threshold.

Low Chip 7, ONTIME=2650.047447 seconds

High Chip 5, ONTIME=13404.068551 seconds

Chip 9, ONTIME=6393.863482 seconds is less than 80% of scheduled time=12000.000000 seconds

Chip 8, ONTIME=4491.387663 seconds is less than 80% of scheduled time=12000.000000 seconds

Chip 7, ONTIME=2650.047447 seconds is less than 80% of scheduled time=12000.000000 seconds

Chip 6, ONTIME=3408.655889 seconds is less than 80% of scheduled time=12000.000000 seconds

Chip 4, ONTIME=5486.032939 seconds is less than 80% of scheduled time=12000.000000 seconds

ONTIME of 2650.0474469215 seconds is less than 85% of expected scheduled time of 12000 seconds

seq_num	590036	Sequence number
obs_id	168	Observation id
title	CALIBRATION OF HETGS USING THE CRAB PULSAR AND NEBULA	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	CRAB PULSAR	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.633333	Observer's specified target RA
dec_targ	22.014472	Observer's specified target Dec
ra_nom	83.635402359754	Nominal RA
dec_nom	22.019331824685	Nominal Dec
roll_nom	93.09884335772	Nominal Roll
revision	3	Processing version of data
ontime	2650.0474469215	Sum of GTIs [s]
livetime	2616.4909504815	Livetime [s]
ontime4	5486.0329386964	Sum of GTIs [s]
ontime5	13404.068551287	Sum of GTIs [s]
ontime6	3408.6558886766	Sum of GTIs [s]
ontime7	2650.0474469215	Sum of GTIs [s]
ontime8	4491.387662828	Sum of GTIs [s]
ontime9	6393.8634823263	Sum of GTIs [s]
l2events	4771092	Number of level 2 events

