V&V Summary Report L2 ASCDS Version: 8.4.5

Observation 3407 - L2 Version 4 Chandra X-Ray Center

L2 Processing Date : Sep 28 2012

See axaff03407N002_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.07

Comments

Charge time:

Using time from longest-exposed chip; telemetry saturation reduces effective exposure on other chips; observation was done for planned duration.

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

NEW CHARGE TIME = 16.130711 ks, 1 Obis

EXISTING CHARGE TIME = 30.000000 ks, 1 Obis.

Variation in Chips > 15% threshold.

Low Chip 6, ONTIME=12822.721582 seconds

High Chip 5, ONTIME=30076.000000 seconds

Chip 8, ONTIME=14636.494213 seconds is less than 80% of scheduled time=30000.000000 seconds

Chip 7, ONTIME=16130.711362 seconds is less than 80% of scheduled time=30000.000000 seconds

Chip 6, ONTIME=12822.721582 seconds is less than 80% of scheduled time=30000.000000 seconds

ONTIME of 16130.711361632 seconds is less than 85% of expected scheduled time of 30000 seconds

seq_num	400234	Sequence number
	3407	Observation id
title	CYGNUS X-1 IN THE HIGH STATE	Proposal title
observer	Dr. Wei Cui	Principal investigator
object	CYG X-1	Source name
ra_targ	299.59	Observer's specified target RA [deg]
dec_targ	35.202	Observer's specified target Dec [deg]
ra_nom	299.59512594528	Nominal RA [deg]
dec_nom	35.176022386443	Nominal Dec [deg]
roll_nom	282.98879502832	Nominal Roll [deg]
revision	4	Processing version of data
ontime	16130.711361632	Sum of GTIs [s]
livetime	16067.700770375	Livetime [s]
ontime4	25425.664110154	Sum of GTIs [s]
ontime5	30076.0	Sum of GTIs [s]
ontime6	12822.721581757	Sum of GTIs [s]
ontime7	16130.711361632	Sum of GTIs [s]
ontime8	14636.494212821	Sum of GTIs [s]
ontime9	25768.571356565	Sum of GTIs [s]
12events	10406821	Number of level 2 events

