

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 3724 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Oct 13 2012

See axaff03724N002_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.4

Comments

Phase constraint met ($\phi_{\text{start}} \sim 0.98$).

Charge time:

used on-time from chip w/ greatest value; telemetry saturation lowers the effective exposure time for very bright sources; the exposure duration was as planned.

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

NEW CHARGE TIME = 8.135040 ks, 1 Obis

EXISTING CHARGE TIME = 26.400000 ks, 1 Obis.

Variation in Chips > 15% threshold.

Low Chip 6, ONTIME=5982.719896 seconds

High Chip 5, ONTIME=26444.453862 seconds

Chip 9, ONTIME=16910.201066 seconds is less than 80% of scheduled time=29000.000000 seconds

Chip 8, ONTIME=7000.674353 seconds is less than 80% of scheduled time=29000.000000 seconds

Chip 7, ONTIME=8135.040096 seconds is less than 80% of scheduled
time=29000.000000 seconds
Chip 6, ONTIME=5982.719896 seconds is less than 80% of scheduled
time=29000.000000 seconds
Chip 4, ONTIME=18449.953989 seconds is less than 80% of scheduled
time=29000.000000 seconds
ONTIME of 8135.0400957465 seconds is less than 85% of expected scheduled
time of 29000 seconds

seq_num	400270	Sequence number
obs_id	3724	Observation id
title	OBSERVATION OF CYG X-1 IN THE HIGH STATE WITH HETG/CHANDRA	Proposa
observer	Dr. Yuxin Feng	Principal investigator
object	CYG X-1	Source name
ra_targ	299.590833	Observer's specified target RA [deg]
dec_targ	35.201806	Observer's specified target Dec [deg]
ra_nom	299.55900882332	Nominal RA [deg]
dec_nom	35.198057182034	Nominal Dec [deg]
roll_nom	192.01073653226	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8135.0400957465	Sum of GTIs [s]
livetime	8103.2625953725	Livetime [s]
ontime4	18449.953989059	Sum of GTIs [s]
ontime5	26444.453862071	Sum of GTIs [s]
ontime6	5982.7198958397	Sum of GTIs [s]
ontime7	8135.0400957465	Sum of GTIs [s]
ontime8	7000.6743533611	Sum of GTIs [s]
ontime9	16910.20106563	Sum of GTIs [s]
l2events	10402588	Number of level 2 events

