

# V&V Summary Report

## L2 ASCDS Version : 8.4.4

Observation 9744 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 17 2012

See axaff09744N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.88320004

## Comments

Chandra does not track a moving target. The target trails across the image.

X-ray events must be corrected to Venus-centered coordinates using software such as `sso_freeze` in CIAO.

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Guide stars in slots 4, 5, and 7 were excluded from the aspect solution

due to poor data quality. There were a total of 6 guide stars for this observation since this is a moving target, so 3 guide stars are of good quality and were used in the aspect solution.

seq_num	100069	Sequence number
obs_id	9744	Observation id
title	Solar wind charge exchange induced X-rays at Venus during the Messenger flyby	Proposal title
observer	Dr. Konrad Dennerl	Principal investigator
object	Venus	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	168.733292	Observer's specified target RA [deg]
dec_targ	4.922889	Observer's specified target Dec [deg]
ra_nom	170.82987183754	Nominal RA [deg]
dec_nom	4.1888357542593	Nominal Dec [deg]
roll_nom	66.860871164028	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6883.200045526	Sum of GTIs [s]
livetime	6729.7614836977	Livetime [s]
ontime0	6883.200045526	Sum of GTIs [s]
ontime1	6883.200045526	Sum of GTIs [s]
ontime2	6883.200045526	Sum of GTIs [s]
ontime3	6883.200045526	Sum of GTIs [s]
ontime7	6883.200045526	Sum of GTIs [s]
l2events	24190	Number of level 2 events

