

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 16502 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 7 2014

See axaff16502N003_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.7344001301527

Comments

Charge time for this ObsId remains at previous value of 8.734 ks, although with the current processing the charge time would have been 9.035 ksec.

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The presence of the optically bright Venus on the aspect camera CCD significantly degraded the star tracking and fiducial light registration capabilities of the system. As only one fiducial light was successfully tracked, the aspect solution may have an uncompensated offset in roll. As a reduced number of stars were available for tracking, the image reconstruction is degraded and the astrometric accuracy may be reduced.

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This is a moving target. Users will need to run sso_freeze or similar software to position the events in the reference frame of the target.

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Window preference met.

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using

seq_num	100092	Sequence number
obs_id	16502	Observation id
title	Venus at Solar Maximum	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	Venus	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	273.33004	Observer's specified target RA [deg]
dec_targ	-27.19976	Observer's specified target Dec [deg]
ra_nom	273.33954688266	Nominal RA [deg]
dec_nom	-27.228462600195	Nominal Dec [deg]
roll_nom	268.0156645749	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9035.200134635	Sum of GTIs [s]
livetime	8809.2430503924	Livetime [s]
ontime1	9035.200134635	Sum of GTIs [s]
ontime3	9035.200134635	Sum of GTIs [s]
l2events	6172	Number of level 2 events

