

V&V Summary Report

L2 ASCDS Version : 10.1.1

Observation 16504 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 7 2014

See axaff16504N003_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	9.0832001353502

Comments

Window constraint met.

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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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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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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 cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	100092	Sequence number
obs_id	16504	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	273.57152	Observer's specified target RA [deg]
dec_targ	-27.18297	Observer's specified target Dec [deg]
ra_nom	273.5759131513	Nominal RA [deg]
dec_nom	-27.21191567484	Nominal Dec [deg]
roll_nom	268.10863374564	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9083.2001353502	Sum of GTIs [s]
livetime	8856.0426415934	Livetime [s]
ontime1	9083.2001353502	Sum of GTIs [s]
ontime3	9083.2001353502	Sum of GTIs [s]
l2events	5892	Number of level 2 events

