

V&V Summary Report

L2 ASCDS Version : 7.6.9

Observation 2414 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Nov 2 2006

See axaff02414N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.756

Comments

One of 3 fiducial lights and 3 of 5 guide stars were excluded from the pointing solution due to poor data quality and insufficient tracking accuracy. The 2 remaining fid lights should be adequate for bore sight alignment, but the aspect solution is probably affected to some degree by the use of only 2 guide stars. The 2 guide stars that were used have a discontinuity in y-position after about 1 ksec of the observation. This is probably related to the fact that the spacecraft roll is off by 20 degrees during the first portion of the observation, then is corrected and steady for the rest of the observation.

There is an exclusion region on CCD chip S2.

The investigator is advised to work with Level 1 data and evaluate whether events with bad grades should be eliminated. It appears that some source events were removed in the Level 2 version of the event data.

seq_num	100026
obs_id	2414
title	VENUS AND MARS: THE CLOSEST PLANETARY ANALOGUES TO COMETS
observer	Dr. Konrad Dennerl
object	VENUS
dtcycle	0
cycle	P
ra_targ	339.68718
dec_targ	-9.42834
ra_nom	339.72424185968
dec_nom	-9.398475591084
roll_nom	291.38879964955
revision	2
ontime	5753.6000053585
livetime	5680.7444576886
ontime4	5750.3590451181
ontime5	5753.6000053585
ontime6	5753.6000053585
ontime7	5753.6000053585
ontime8	5750.3590451032
ontime9	5750.3590151966
l2events	47331

