

V&V Summary Report

L2 ASCDS Version : 10.2.4

Observation 14528 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Dec 12 2014

See [axaff14528N002_VV001_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5

Comments

This observation was taken during an anomalous situation on the spacecraft. The portion of the spacecraft load that defines the science instrument configuration was out of sync with the portion of the load that defines the spacecraft pointing. As a result, the intended target was not observed, but an exposure was taken of the previous target, Mkn 766. The configuration of the resulting exposure is not consistent with any Chandra approved proposal; therefore it is being made public and assigned a title of 'Orphanage'.

At the nominal end of obsid 16630, the previous observation of Mkn 766, the SIM shifted to the position requested for obsid 14528. The command to move the fid light readout windows to the new/expected locations on the aspect camera CCD was part of the vehicle commanding that was not executed due to the out-of-sync condition. Unfortunately, this means that the fid lights were not tracked at all. Due to the lack of fid lights, image reconstruction errors may be large, and none of the observation is considered 'good time'. This results in no Level 2 events. However, these events (with their potentially large position errors) may be 'recovered' by manually adjusting the good time intervals; please contact the CXC helpdesk for assistance.

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. Charge time for this processing is set to the previous value of 5 ksec.

seq_num	601024	Sequence number
obs_id	14528	Observation id
title	Orphanage	Proposal title
observer	ASC CXC	Principal investigator
object	Mkn 766	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.610417	Observer's specified target RA [deg]
dec_targ	29.812778	Observer's specified target Dec [deg]
ra_nom	184.61267122953	Nominal RA [deg]
dec_nom	29.810423883033	Nominal Dec [deg]
roll_nom	252.15550647001	Nominal Roll [deg]
revision	2	Processing version of data
ontime	0.0	Sum of GTIs [s]
livetime	0.0	Livetime [s]
ontime3	0.0	Sum of GTIs [s]
ontime5	0.0	Sum of GTIs [s]
ontime6	0.0	Sum of GTIs [s]
ontime7	0.0	Sum of GTIs [s]
ontime8	0.0	Sum of GTIs [s]
l2events	0	Number of level 2 events

