V&V Summary Report
L2 ASCDS Version : 10.4.3.1

Observation 18841 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : May 3 2016

See axaff18841N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.02490033102

Comments

Target was monitored optically during the observation with the Aspect
Camera in slot 7. The ACA has the capability to devote one or more of
the eight image slots to "monitor" particular sky locations. This allows
simultaneous optical photometry of one or more targets in the ACA field
of view. These optical sources can be slightly fainter than the ACA
guide star limit of mACA = 10.2 mag. The bright-end limit for monitor
star photometry is mACA=6.2 mag. However, since there are a fixed number
of image slots, devoting a slot to photometry instead of tracking a
guide star results in a degradation of the image reconstruction and
celestial location accuracy. Using one monitor slot represents a 15 –
25% increase in the aspect image reconstruction RMS diameter, depending
on the particular guide star configuration. The photometric accuracy
that can be achieved depends primarily on the star magnitude,
integration time, CCD dark current, CCD read noise, sky background, and
the CCD dark current uncertainty.

seq_num	201074	Sequence number
obs_id	18841	Observation id
title	Heating the Primordial Soup: X-raying the Circumstellar Disk of RY Lupi	Proposal title
observer	David Principe	Principal investigator
object	RY Lup	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.868333	Observer's specified target RA [deg]
dec_targ	-40.364222	Observer's specified target Dec [deg]
ra_nom	239.86739483141	Nominal RA [deg]
dec_nom	-40.361766099932	Nominal Dec [deg]
roll_nom	33.156035341904	Nominal Roll [deg]
revision	1	Processing version of data
ontime	43024.90033102	Sum of GTIs [s]
livetime	42462.748333725	Livetime [s]
ontime5	43024.90033102	Sum of GTIs [s]
ontime6	43024.90033102	Sum of GTIs [s]
ontime7	43024.90033102	Sum of GTIs [s]
ontime8	43015.477280259	Sum of GTIs [s]
l2events	393473	Number of level 2 events