

V&V Summary Report

L2 ASCDS Version : 8.2.1

Observation 62436 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Jan 29 2010

See axaff62436N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.384275372855

Comments

HRC-S focus plates measurements. Note that the single OBSID, 62436, contains all the HRC-S data from eight different focus positions during the time 248:01:23 to 04:15, plus a return to -950 motor steps at 04:04. As a result of these multiple SIM movements, the aspect solution would need to be determined for each individual segment of this obsid separately. None of the data from the guide stars or fid lights is acceptable when the entire observation is considered.

Comments for Obi 0

Star in slot 3 has an RMS deviation > 0.300000 arcsec

Star in slot 3 has deviations > 0.050000 for more than 0.998056% of the observation

Star in slot 3 radial offset > 1.500000 arcsec

Star in slot 4 has an RMS deviation > 0.300000 arcsec

Star in slot 4 has deviations > 0.050000 for more than 0.998225% of the

Star in slot 4 radial offset > 1.500000 arcsec
Star in slot 5 has an RMS deviation > 0.300000 arcsec
Star in slot 5 has deviations > 0.050000 for more than 0.998041% of the observation
Star in slot 5 radial offset > 1.500000 arcsec
Star in slot 6 has an RMS deviation > 0.300000 arcsec
Star in slot 6 has deviations > 0.050000 for more than 0.997801% of the observation
Star in slot 6 radial offset > 1.500000 arcsec
Star in slot 7 has an RMS deviation > 0.300000 arcsec
Star in slot 7 has deviations > 0.050000 for more than 0.998046% of the observation
Star in slot 7 radial offset > 1.500000 arcsec
Fid in slot 0 has an RMS deviation > 0.050000 arcsec
Fid in slot 1 has an RMS deviation > 0.050000 arcsec
Fid in slot 1 radial offset > 0.400000 arcsec
Fid in slot 2 has an RMS deviation > 0.050000 arcsec

Charge time:

New charge time differs by more than 5% of existing charge time and the difference is not due to more Obis.
NEW CHARGE TIME = 10.384275 ks, 1 Obis
EXISTING CHARGE TIME = 9.873000 ks, 1 Obis.
ONTIME of 10384.275372855 seconds is less than 85% of expected scheduled time of 36000 seconds

seq_num	490016	Sequence number
obs_id	62436	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.912440798721	Nominal RA
dec_nom	-69.738153225734	Nominal Dec
roll_nom	103.52986300425	Nominal Roll
revision	3	Processing version of data
ontime	10384.275372855	[s]
livetime	10258.402225173	Ontime multiplied by DTCOR
l2events	789988	Number of level 2 events

