

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 785 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Oct 23 2012

See axaff00785N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.35

## Comments

Charge time for this ObsId remains at previous value of 37.35 ks although with the current processing the charge time would have been 38.60 ksec.

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Spatial regions on the original bias map for CCD = 2 and 3 suffered from anomalously high data values. Pixels in the event data that were bias-corrected by one of the original affected bias pixels may have an apparent energy shift. While the change in energy is expected to be small (~20 eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias maps for CCDs 2 and 3 have been reconstructed for this processing to remove this anomaly using scaled data from a comparable bias map from another observation. The pixels affected by the anomaly are bounded by sky coords:

CCD 2:

(190.72198,11.68756), (190.73107,11.67602), (190.77073,11.70580), (190.75003,11.70864)

CCD 3:

(190.85952,11.70752), (190.84238,11.72952), (190.79543,11.69426), (190.8348

seq_num	600088	Sequence number
obs_id	785	Observation id
title	STELLAR MASS LOSS VERSUS EXTERNAL ACCRETION IN X-RAY BRIGHT ELLIPTICALS	Proposal title
observer	Dr. CRAIG SARAZIN	Principal investigator
object	NGC 4649	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.917917	Observer's specified target RA [deg]
dec_targ	11.549444	Observer's specified target Dec [deg]
ra_nom	190.90877773214	Nominal RA [deg]
dec_nom	11.544920260877	Nominal Dec [deg]
roll_nom	217.46395873314	Nominal Roll [deg]
revision	5	Processing version of data
ontime	38599.561003372	Sum of GTIs [s]
livetime	38110.790120082	Livetime [s]
ontime2	38620.431274071	Sum of GTIs [s]
ontime3	38633.395164877	Sum of GTIs [s]
ontime5	38607.467532814	Sum of GTIs [s]
ontime6	38643.118225127	Sum of GTIs [s]
ontime7	38599.561003372	Sum of GTIs [s]
ontime8	38636.636244819	Sum of GTIs [s]
l2events	527938	Number of level 2 events

