

# V&V Summary Report

## L2 ASCDS Version : 10.3.3

Observation 16091 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Mar 10 2015

See axaff16091N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.03.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.156377557278

## Comments

Two fid lights were dropped during the observation of obsid 16091, with the second drop occurring around 90% of the way through the observation. This processing, which uses 2 aspect intervals, has allowed the use of the slot 0 fid data for the first 25ks of the observation. The manual edits of dtheta and dtheta\_err look good. The radial offset of the unused fid in slot 1 is acceptable. From an Aspect perspective, these products are good to be released to the user.

A spatial region of the original bias map for CCD = 6 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 map for CCD = 6 has 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: (251.10117, 57.64677), (251.09976, 57.64345), (251.22833, 57.62787), (251.23272, 57.63084).

seq_num	702980	Sequence number
obs_id	16091	Observation id
title	LATE TIME MONITORING OF THE EXCEPTIONAL TIDAL DISRUPTION EVENT SWIFT J1644+57	Proposal title
observer	PROF ANDREW LEVAN	Principal investigator
object	Swift J1644+57	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	251.207917	Observer's specified target RA [deg]
dec_targ	57.583389	Observer's specified target Dec [deg]
ra_nom	251.20390036098	Nominal RA [deg]
dec_nom	57.585624974744	Nominal Dec [deg]
roll_nom	77.160048170472	Nominal Roll [deg]
revision	3	Processing version of data
ontime	28156.377557278	Sum of GTIs [s]
livetime	27799.844550912	Livetime [s]
ontime4	28156.418597221	Sum of GTIs [s]
ontime5	28156.336517215	Sum of GTIs [s]
ontime6	28156.295477271	Sum of GTIs [s]
ontime7	28156.377557278	Sum of GTIs [s]
ontime8	28156.254437208	Sum of GTIs [s]
ontime9	28156.213397264	Sum of GTIs [s]
l2events	243995	Number of level 2 events

