

# V&V Summary Report

## L2 ASCDS Version : 10.8

Observation 21290 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 9 2019

See [axaff21290N002\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.558198959589

## Comments

A spatial region of the original bias map for CCD = 2 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 ( $\sim 20$  eV), it depends on many parameters that have not yet been fully explored for this bias anomaly. The bias map for CCD = 2 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:  
(263.09343,-22.60136), (263.10608,-22.60239), (263.11969,-22.46350),  
(263.10705,-22.46247).

seq_num	503063	Sequence number
obs_id	21290	Observation id
title	Where Have All the Central Compact Objects Gone?	Proposal title
observer	Eric Gotthelf	Principal investigator
object	PSR J1733-2228	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.36	Observer's specified target RA [deg]
dec_targ	-22.476944	Observer's specified target Dec [deg]
ra_nom	263.36405267641	Nominal RA [deg]
dec_nom	-22.480174398093	Nominal Dec [deg]
roll_nom	264.93028012063	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3558.198959589	Sum of GTIs [s]
livetime	3511.708470674	Livetime [s]
ontime2	3558.0347995758	Sum of GTIs [s]
ontime3	3558.1168795824	Sum of GTIs [s]
ontime6	3558.1579196453	Sum of GTIs [s]
ontime7	3558.198959589	Sum of GTIs [s]
ontime8	3558.0758396387	Sum of GTIs [s]
l2events	26878	Number of level 2 events

