

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 21040 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 26 2020

See axaff21040N003\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.050800154328

## Comments

A spatial region of the original bias map for CCD = 8 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 = 8 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: (140.37989,50.79453), (140.38285,50.79738), (140.23095,50.86037), (140.23197,50.85587).

seq_num	503052	Sequence number
obs_id	21040	Observation id
title	MAPPING OUT THE EXPLOSIVE MASS-LOSS HISTORY OF THE IMPOSSIBLE SN iPTF14hls	Proposal title
observer	RAFFAELLA MARGUTTI	Principal investigator
object	iPTF14hls	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	140.142917	Observer's specified target RA [deg]
dec_targ	50.696278	Observer's specified target Dec [deg]
ra_nom	140.14188771967	Nominal RA [deg]
dec_nom	50.697279262198	Nominal Dec [deg]
roll_nom	236.79379543848	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20050.800154328	Sum of GTIs [s]
livetime	19788.821689128	Livetime [s]
ontime3	20044.444877625	Sum of GTIs [s]
ontime5	20050.800154328	Sum of GTIs [s]
ontime6	20050.768058062	Sum of GTIs [s]
ontime7	20050.800154328	Sum of GTIs [s]
ontime8	20047.544937849	Sum of GTIs [s]
l2events	229483	Number of level 2 events

