

V&V Summary Report

L2 ASCDS Version : 10.5.1.1

Observation 19792 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Sep 13 2016

See axaff19792N002_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2016.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.444600249648

Comments

warning: spatially complicated, with several bright sources in the zeroth order region; the extraction was centered on the brightest knot with default extraction parameters. The dispersed spectra contain multiple sources which might be spatially resolved with customized regions.

A spatial region of the original bias map for CCD = 9 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 = 9 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: (147.90967,69.62127), (147.89903,69.62033), (147.91992,69.59149), (147.93170,69.59083).

seq_num	401792	Sequence number
obs_id	19792	Observation id
title	Broadband X-ray Observations of a High-State from the HLX M82 X-1	
observer	Dominic Walton	Principal investigator
object	M82 X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.959167	Observer's specified target RA [deg]
dec_targ	69.679722	Observer's specified target Dec [deg]
ra_nom	148.96232518724	Nominal RA [deg]
dec_nom	69.683076520117	Nominal Dec [deg]
roll_nom	13.153688512397	Nominal Roll [deg]
revision	2	Processing version of data
ontime	32444.600249648	Sum of GTIs [s]
livetime	32020.687662019	Livetime [s]
ontime5	32444.600249648	Sum of GTIs [s]
ontime6	32444.600249648	Sum of GTIs [s]
ontime7	32444.600249648	Sum of GTIs [s]
ontime8	32444.600249648	Sum of GTIs [s]
ontime9	32441.45930922	Sum of GTIs [s]
l2events	371593	Number of level 2 events

