

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 4459 - L2 Version 6
Chandra X-Ray Center

L2 Processing Date : Sep 23 2020

See axaff04459N004_VV001_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18

Comments

On-Board-Computer aspect solution used. Due to violation of the earth angle constraint, there are no L2 events, and therefore no ontime or GTI. Charge time is set to the L1 time.

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Spacecraft attitude control was maintained at a single fixed attitude using gyros only, without any reference stars or any other external attitude references. This is an observation of a moving target. Event positions are in the reference frame of Chandra, not of the Earth. Users should run a software tool such as sso_freeze to reposition the events in the reference frame of the Earth, then run normal data analysis tools.

seq_num	100042	Sequence number
obs_id	4459	Observation id
title	A Search for Soft X-Ray Auroras on Earth	Proposal title
observer	Dr. Ronald Elsner	Principal investigator
object	EARTH	Source name
ra_targ	74.7	Observer's specified target RA [deg]
dec_targ	-36.0	Observer's specified target Dec [deg]
ra_nom	74.70546738996	Nominal RA [deg]
dec_nom	-36.002927663174	Nominal Dec [deg]
roll_nom	309.34955145828	Nominal Roll [deg]
revision	6	Processing version of data
ontime	0.0	[s]
livetime	0.0	Ontime multiplied by DTCOR
l2events	0	Number of level 2 events

