

# V&V Summary Report

## L2 ASCDS Version : 10.9.2

Observation 20733 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 25 2020

See [axaff20733N003\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.011133610964

## Comments

This is an observation of a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.

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Due to corruption of the secondary science data during this observation, some instrument parameters have bogus values. The data in this observation have been inspected by the HRC team. PLEASE NOTE: All the event data in this observation are good. The short gaps in the GTI intervals can be eliminated (i.e., use the first START and last STOP). THE DTF values during this observation can be estimated by dropping all the low values and averaging the remaining values near 1.0. This correction should be applied before `sso_freeze` is used on the data.

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The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

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Window constraint met.

seq_num	100170	Sequence number
obs_id	20733	Observation id
title	Monitoring of the Jovian X-ray Aurora during Juno perijove 15 passage	Proposal title
observer	Ralph Kraft	Principal investigator
object	Jupiter	Source name
ra_targ	230.037166	Observer's specified target RA [deg]
dec_targ	-17.091585	Observer's specified target Dec [deg]
ra_nom	230.03831121998	Nominal RA [deg]
dec_nom	-17.089484321437	Nominal Dec [deg]
roll_nom	76.43724365004	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40011.133610725	[s]
livetime	38788.013047792	Ontime multiplied by DTCOR
l2events	4486271	Number of level 2 events

