

V&V Summary Report

L2 ASCDS Version : 10.5.2

Observation 20020 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Mar 6 2017

See axaff20020N001_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.122082127452

Comments

Roll constraint met.

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Zeroth order selected by pipeline tools is not well-centered on the brighter source, which is extended. The user may want to select a region or source of interest, then use software tools such as CIAO to specify the coordinates of the zeroth order source of interest before running the tools to resolve the dispersed events.

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WARNING: there are no standard ciao tools for analysis of grating spectra from extended sources. The shape of an emission 'line' will be the shape of the zero order spatial structure convolved with the instrumental LSF. Grating extractions can be used, but need to be combined with custom spatial-spectral analysis, since wavelength is multi-valued at any particular diffraction angle.

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Due to corruption of the secondary science data near the end of this observation, some instrument parameters have bogus values. 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.

seq_num	201027	Sequence number
obs_id	20020	Observation id
title	Can Planets Affect Coronal Abundances?	Proposal title
observer	Brian Wood	Principal investigator
object	Tau Boo	Source name
ra_targ	206.815417	Observer's specified target RA [deg]
dec_targ	17.456889	Observer's specified target Dec [deg]
ra_nom	206.81454281322	Nominal RA [deg]
dec_nom	17.459086179562	Nominal Dec [deg]
roll_nom	105.06759109962	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15122.082127452	[s]
lifetime	14978.399028628	Overtime multiplied by DTCOR
l2events	1266384	Number of level 2 events

