

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1825 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Sep 20 2012

See axaff01825N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.342

Comments

Charge time for this ObsId remains at previous value of 2.342 ks, although with the current processing the charge time would be 2.297.

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This is an observation of a moving target. Event positions are in the reference frame of Chandra, not of the comet. Users should run a software tool such as `sso_freeze` to reposition the events in the reference frame of the comet, then run normal data analysis tools such as `tgdetect` and spectral extraction.

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Standard software processing technique using the tool `tgdetect` failed to determine an accurate position for the zeroth order for this observation. The target is moving through the field of view during the observation. The processing software defaulted to the coordinates supplied by the user for the position of the zeroth order for the grating spectral extraction. Spectra products from this processing, which does not include `sso_freeze`, are not useful.

seq_num	100008	Sequence number
obs_id	1825	Observation id
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2	Proposal title
observer	DR W. THOMAS VESTRAND	Principal investigator
object	LINEAR 2001 A2	Source name
ra_targ	349.147617	Observer's specified target RA [deg]
dec_targ	7.771142	Observer's specified target Dec [deg]
ra_nom	349.14569332272	Nominal RA [deg]
dec_nom	7.7751431478789	Nominal Dec [deg]
roll_nom	118.43350882167	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2297.2813398689	[s]
livetime	2281.2516614423	Ontime multiplied by DTCOR
l2events	149471	Number of level 2 events

