

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 1822 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 20 2012

See axaff01822N002\_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	2.43

## Comments

Charge time for this ObsId remains at previous value of 2.43 ks, although with the current processing the charge time would have been 2.39 ks.

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This is an observation of a moving target. Event positions are in the reference from of Chandra, not of the comet. Users should run a software tool such as sso\_freeze to reposition the events in the reference from 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	1822	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	349.399119	Observer's specified target RA [deg]
dec_targ	7.626272	Observer's specified target Dec [deg]
ra_nom	349.39676681744	Nominal RA [deg]
dec_nom	7.6307653943194	Nominal Dec [deg]
roll_nom	118.27122951354	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2394.6563436836	[s]
livetime	2378.0473343747	Ontime multiplied by DTCOR
l2events	153596	Number of level 2 events

