

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 1820 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 20 2012

See axaff01820N002\_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	2.333

## Comments

Charge time for this ObsId remains at previous value of 2.333 ks, although with the current processing the charge time would be 2.294 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	1820	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	349.560604	Observer's specified target RA [deg]
dec_targ	7.532731	Observer's specified target Dec [deg]
ra_nom	349.55827641789	Nominal RA [deg]
dec_nom	7.5372564661013	Nominal Dec [deg]
roll_nom	118.16837505729	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2294.2063397467	[s]
livetime	2278.322463886	Ontime multiplied by DTCOR
l2events	146719	Number of level 2 events

