

# V&V Summary Report

## L2 ASCDS Version : 10.2.1

Observation 15699 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 10 2014

See axaff15699N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.092930826902

## Comments

This is 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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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.

seq_num	100128	Sequence number
obs_id	15699	Observation id
title	Chandra Observations of Pluto's Escaping Atmosphere in Support of the New Horizons Mission	Proposal title
observer	Dr. Ralph McNutt	Principal investigator
object	Pluto	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	283.6127	Observer's specified target RA [deg]
dec_targ	-20.1692	Observer's specified target Dec [deg]
ra_nom	283.59633363775	Nominal RA [deg]
dec_nom	-20.146661231755	Nominal Dec [deg]
roll_nom	93.432677877148	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35092.930826902	Sum of GTIs [s]
livetime	34619.338279242	Livetime [s]
ontime7	35092.930826902	Sum of GTIs [s]
l2events	91873	Number of level 2 events

