

# V&V Summary Report

## L2 ASCDS Version : 10

Observation 16319 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 6 2014

See axaff16319N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.069380919993

## Comments

A jog or discontinuity in the gyro bias values occurred at about 2013:242:19:30 and continued for about 12 ksec. During this period the centroid residuals for the guide stars increase significantly. However, the Aspect solution still easily meets requirements and is acceptable.

=====

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	501823	Sequence number
obs_id	16319	Observation id
title	A Legacy Study of the Relativistic Shocks of PWNe	Proposal title
observer	Prof. Roger Romani	Principal investigator
object	PSR J0633+1746	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.475833	Observer's specified target RA [deg]
dec_targ	17.77025	Observer's specified target Dec [deg]
ra_nom	98.47313616329	Nominal RA [deg]
dec_nom	17.791268724349	Nominal Dec [deg]
roll_nom	90.609510873273	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45069.380919993	Sum of GTIs [s]
livetime	44480.516278678	Livetime [s]
ontime0	45069.257800043	Sum of GTIs [s]
ontime1	45072.439810395	Sum of GTIs [s]
ontime2	45069.33987999	Sum of GTIs [s]
ontime3	45069.380919993	Sum of GTIs [s]
ontime7	45072.562930405	Sum of GTIs [s]
l2events	210795	Number of level 2 events

