

# V&V Summary Report

## L2 ASCDS Version : 8.5.1.1

Observation 15232 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Dec 3 2014

See axaff15232N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.549966531396

## Comments

During this observation, an ACIS anomaly occurred. FEPs 3 and 4 (chips 1 and 0) stopped collecting data earlier than planned, so their ONTIME is about 35,500 s. This then becomes the ONTIME and charge time for the observation. The other 2 chips appeared to behave normally. The cause of the anomaly is under investigation. The aspect solution runs for the full ~50 ksec of the observation, but all other files are truncated when the 2 chips anomalously turn off.

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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	901062	Sequence number
obs_id	15232	Observation id
title	The COSMOS Legacy Survey	Proposal title
observer	Dr Francesca Civano	Principal investigator
object	COSMOS Legacy	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.6787	Observer's specified target RA [deg]
dec_targ	2.451014	Observer's specified target Dec [deg]
ra_nom	150.69040340521	Nominal RA [deg]
dec_nom	2.4492844960669	Nominal Dec [deg]
roll_nom	250.66338051923	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35549.966531396	Sum of GTIs [s]
livetime	35085.480047159	Livetime [s]
ontime0	35553.066441834	Sum of GTIs [s]
ontime1	35549.966531396	Sum of GTIs [s]
ontime2	35546.866630793	Sum of GTIs [s]
ontime3	35556.330552101	Sum of GTIs [s]
l2events	97143	Number of level 2 events

