

# V&V Summary Report

## L2 ASCDS Version : 8.4.5

Observation 15553 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Nov 27 2014

See axaff15553N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.07084257561

## Comments

Joint proposal with HST.

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	600995	Sequence number
obs_id	15553	Observation id
title	M51: Using the Kinematics of a Grand-Design Spiral to Understand the Physics of the Hot ISM, SNRs, and XRBs	Proposal title
observer	Dr. K.D. Kuntz	Principal investigator
object	M51	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	202.5	Observer's specified target RA [deg]
dec_targ	47.2	Observer's specified target Dec [deg]
ra_nom	202.52447665338	Nominal RA [deg]
dec_nom	47.187484333086	Nominal Dec [deg]
roll_nom	351.72966603399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	38070.84257561	Sum of GTIs [s]
livetime	37573.418990013	Livetime [s]
ontime5	38070.801535606	Sum of GTIs [s]
ontime6	38070.760495603	Sum of GTIs [s]
ontime7	38070.84257561	Sum of GTIs [s]
ontime8	38070.7194556	Sum of GTIs [s]
l2events	317505	Number of level 2 events

