

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 11015 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Aug 14 2012

See axaff11015N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	93.8961547

Comments

Object in image is at the expected coordinates; approx 1100 zeroth-order counts. There seems to be no obvious sign of any dispersed events above background, however. ===== Altair has V magnitude ~ 0.8 , could many/most of the events be from optical feedthrough ? YES: Vega (V mag ~ 0.0) observed with HRC-S gives ~ 266 counts in 3.3 ks (obsid 5343); scaling to 94 ks and including 13% LETG zeroth-order efficiency and a factor of 0.48 for the Altair/Vega V magnitude difference, gives an expected ~ 470 counts -- in the ball park of the observed counts. ===== This obsid had the first grating (LETG) insertion after the 6 July 09 'HETG limit switch' anomaly -- all indications are that the LETG did insert as expected at 2009:238:15:13:27 before rad-zone entry. It should have retracted at 2009:239:18:47:04 before ACIS obsid 11788. The HRC observation was roughly from 238:16:38:10 to 239:18:46:31; within the LETG-inserted time period.

seq_num	200644	Sequence number
obs_id	11015	Observation id
title	X-ray emission from the fast rotating A7 star Altair	Proposal titl
observer	Dr. Jan Robrade	Principal investigator
object	Altair	Source name
ra_targ	297.697083	Observer's specified target RA [deg]
dec_targ	8.869278	Observer's specified target Dec [deg]
ra_nom	297.69490529878	Nominal RA [deg]
dec_nom	8.8650101673292	Nominal Dec [deg]
roll_nom	243.84540641804	Nominal Roll [deg]
revision	3	Processing version of data
ontime	93896.15470475	[s]
livetime	92870.200065758	Ontime multiplied by DTCOR
l2events	8708275	Number of level 2 events

