

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 660 - L2 Version 7
Chandra X-Ray Center

L2 Processing Date : Sep 11 2012

See axaff00660N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.372

Comments

Charge time for this ObsId remains at original value of 30.372 ks, although with the current processing the charge time would have been 30.472 ksec. === Roll constraint of 120 +/- 10 degrees used in order to align jet axis. Coordinated with XTE.

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Both meg and heg spectral arms are piled up. ===

Standard data processing software did not correctly locate the zeroth order because a spatial exclusion window was used to block the zeroth order image. Manual intervention was used to input the correct sky coordinates (x=4093.63, y=4063.52) into the *src1a.fits file table. These corrected coordinates were determined using a software tool developed by CXC, which is expected to be released in CIAO as tg_findzo (currently in ISIS as findzo). The tool calculates the point of intersection of the readout streak and the meg arm. The zeroth order source position determined by the standard pipeline processing using the tool tgdetect was not used in this processing. The newly determined zeroth order coordinates have been placed in the *src1a.fits file, replacing the coordinates determined by tgdetect. Note that these corrected coordinates of the zeroth order cannot be reproduced by running tgdetect on the data.

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The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.

seq_num	400027	Sequence number
obs_id	660	Observation id
title	ACIS-HETG OBSERVATIONS OF GRS1915+105: A MICRO BAL-QUASAR ?	Propos
observer	Prof. Julia Lee	Principal investigator
object	GRS 1915+105	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.7975	Observer's specified target RA [deg]
dec_targ	10.945556	Observer's specified target Dec [deg]
ra_nom	288.79771978969	Nominal RA [deg]
dec_nom	10.9502884731	Nominal Dec [deg]
roll_nom	110.15210170834	Nominal Roll [deg]
revision	7	Processing version of data
ontime	30472.336033016	Sum of GTIs [s]
livetime	29754.038537959	Livetime [s]
ontime5	30479.300053418	Sum of GTIs [s]
ontime6	30477.559063256	Sum of GTIs [s]
ontime7	30472.336033016	Sum of GTIs [s]
ontime8	30477.559063271	Sum of GTIs [s]
l2events	3784670	Number of level 2 events

