

V&V Summary Report

L2 ASCDS Version : 8.4.4

Observation 6615 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : May 28 2012

See axaff06615N004_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50

Comments

Charge time: For extremely bright sources, the instrument (or telemetry) can saturate, and effective exposure times vary with chip. For this observation, the time used was from ccd_id=5, the longest (least saturated), which is comparable to the elapsed and requested time.

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A spatial exclusion window was used to allow only 1 in 20 events in a region around the zeroth order. The exclusion window applies to columns 162-261 on chip S3.

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For ACIS/CC-mode w/ HETG, at with no SIM-Z offset, there are no MEG even order counts. MEG even orders overlap with HEG orders in energy, but MEG even order efficiencies are very low. Since HEG and MEG cannot be spatially separated, events are preferentially assigned to HEG. (MEG odd orders can be resolved.) For observations with a SIM-Z offset, MEG negative and MEG positive orders will be missing (off the array), and remove some of the ambiguity.

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This reprocessing of obsid 6615 was done to rectify an issue with raw telemetry files in the archive. A 1/4 second overlap between two files was cleaned up.

The science data products were not affected by this fix.

seq_num	400520	Sequence number
obs_id	6615	Observation id
title	Relativistic Effects and Outflows in a Black Hole Transient	Propos
observer	Dr Jon Miller	Principal investigator
object	XTE J1817-330	Source name
ra_targ	274.431404	Observer's specified target RA [deg]
dec_targ	-33.018833	Observer's specified target Dec [deg]
ra_nom	274.43366217006	Nominal RA [deg]
dec_nom	-33.019995795792	Nominal Dec [deg]
roll_nom	99.828924088059	Nominal Roll [deg]
revision	4	Processing version of data
ontime	17453.607567042	Sum of GTIs [s]
liveltime	17385.429412483	Livetime [s]
ontime4	33934.891055912	Sum of GTIs [s]
ontime5	50142.25	Sum of GTIs [s]
ontime6	15203.402793676	Sum of GTIs [s]
ontime7	17453.607567042	Sum of GTIs [s]
ontime8	23023.598361582	Sum of GTIs [s]
ontime9	35369.66026631	Sum of GTIs [s]
l2events	17342904	Number of level 2 events

