

# V&V Summary Report

## L2 ASCDS Version : 8.1.1

Observation 333 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 19 2009

See [axaff00333N001\\_VV002\\_vvref2.pdf](#) for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	27.408

## Comments

The front-end processor designated FEPO suffered from a rare problem. As a result, the top half of the bias-map for CCD\_ID 7 was corrupted for part of the observation and many invalid events were telemetered for this region. The standard pipeline processing tools identify the problem and remove the spurious events from the Level 2 event file during the interval in question. Therefore, the effective exposure for the top half of CCD\_ID 7 is less than the exposure for the bottom half of this CCD. For this gratings observation, the meg + side will be affected on chip 7. Ontime for CCDs 4, 5, 6, 8, and 9 is about 54 ks.

Users will need to calculate the exposure time for the dispersed spectral data in meg + orders by taking this variation with CCD chip into account.

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Charge time for this ObsId remains at previous value of 27.408 ks, although with the current processing the charge time would have been 27.099 ks.

seq_num	700005	Sequence number
obs_id	333	Observation id
title	HETG OBSERVATIONS OF VARIOUS ACTIVE GALACTIC NUCLEI	Proposal title
observer	Prof. Claude Canizares	Principal investigator
object	NGC 1275	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.950417	Observer's specified target RA
dec_targ	41.511667	Observer's specified target Dec
ra_nom	49.948567943909	Nominal RA
dec_nom	41.516485423483	Nominal Dec
roll_nom	128.84760216867	Nominal Roll
revision	3	Processing version of data
ontime	27099.244146511	Sum of GTIs [s]
livetime	26756.097199922	Livetime [s]
ontime4	52473.015027978	Sum of GTIs [s]
ontime5	54038.400050327	Sum of GTIs [s]
ontime6	53762.917614035	Sum of GTIs [s]
ontime7	27099.244146511	Sum of GTIs [s]
ontime8	53717.543931454	Sum of GTIs [s]
ontime9	53655.965936653	Sum of GTIs [s]
l2events	1788304	Number of level 2 events

