

# V&V Summary Report

## L2 ASCDS Version : 10.3.3

Observation 16710 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 20 2015

See axaff16710N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2015.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.072

## Comments

Charge time: used the maximum over all chip ontimes, which reflects the requested duration of 40000 s.

ONTIME for the aim-point ccd of 30707 seconds is less than 85% of expected scheduled time of 40000 seconds. The high count rate resulted in telemetry saturation and a large number of dropped exposures. ONTIME varies among the chips. The ONTIME for each chip reflects the lost exposure time.

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.

seq_num	401632	Sequence number
obs_id	16710	Observation id
title	Wind-Triggered Disk Wind Spectroscopy of GRS 1915+105	Proposal tit
observer	Dr. Jon Miller	Principal investigator
object	GRS 1915+105	Source name
ra_targ	288.798333	Observer's specified target RA [deg]
dec_targ	10.945778	Observer's specified target Dec [deg]
ra_nom	288.79521100083	Nominal RA [deg]
dec_nom	10.95027262042	Nominal Dec [deg]
roll_nom	85.32740268113	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30707.24271059	Sum of GTIs [s]
livetime	30587.292543752	Livetime [s]
ontime4	40072.25	Sum of GTIs [s]
ontime5	40072.25	Sum of GTIs [s]
ontime6	38160.713341117	Sum of GTIs [s]
ontime7	30707.24271059	Sum of GTIs [s]
ontime8	40062.041849971	Sum of GTIs [s]
ontime9	40072.25	Sum of GTIs [s]
l2events	10824213	Number of level 2 events

