V&V Summary Report
L2 ASCDS Version : 8.4.3

Observation 12555 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Feb 7 2012

See axaff12555N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	55.361922573149

Comments

WARNING: there are no standard ciao tools for analysis of grating spectra from extended sources. The shape of an emission 'line' will be the shape of the zero order spatial structure convolved with the instrumental LSF. Grating extractions can be used, but need to be combined with custom spatial-spectral analysis, since wavelength is multi-valued at any particular diffraction angle. ==== WARNING::Zeroth order selected by pipeline tools is a point source near the center of the supernova remnant. The user may want to select a region or source of interest, then use software tools such as CIAO to specify the coordinates of the zeroth order source of interest before running the tools to resolve the dispersed events. === The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce

artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use acis_process_events to reprocess the data with the parameter pix_adj=NONE or RANDOMIZE, respectively.

seq_num	501388	Sequence number
obs_id	12555	Observation id
title	Chandra HETGS Observation of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Sangwook Park	Principal investigator
object	G292.0+1.8	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.164583	Observer's specified target RA [deg]
dec_targ	-59.265667	Observer's specified target Dec [deg]
ra_nom	171.17360482633	Nominal RA [deg]
dec_nom	-59.264185469725	Nominal Dec [deg]
roll_nom	346.164381256	Nominal Roll [deg]
revision	2	Processing version of data
ontime	55361.922573924	Sum of GTIs [s]
livetime	54660.896575345	Livetime [s]
ontime4	55361.963613927	Sum of GTIs [s]
ontime5	55361.881533921	Sum of GTIs [s]
ontime6	55358.599473596	Sum of GTIs [s]
ontime7	55361.922573924	Sum of GTIs [s]
ontime8	55358.558433712	Sum of GTIs [s]
ontime9	55361.758413911	Sum of GTIs [s]
l2events	1102719	Number of level 2 events