V&V Summary Report
L2 ASCDS Version : 8.5.1.1

Observation 2306 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : May 18 2013

See axaff02306N002_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.06.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.403

Comments

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Off-axis pointing. Extended object. Standard software processing
technique using the tool tgdetect failed to determine an accurate
position for the zeroth order for this observation. The source is
extended and asymmetric. The processing software defaulted to the
coordinates supplied by the user for the position of the zeroth order
for the grating spectral extraction. For grating analysis of localized
X-ray emission within the extended emission, the investigator will need
to extract one or more dispersed spectra using user-defined zeroth order
positions for all positions of interest.
===
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.
===
Removed bad aspect quality time interval from 85794487.850 to
85796488.651 seconds MET and several shorter data gaps during Level 1
processing. Spacecraft raw telemetry was gap-filled using realtime raw
telemetry adding 116 VCDUs (29.7sec) of data.
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seq_num	500070	Sequence number
obs_id	2306	Observation id
title	HIGH RESOLUTION LINE SPECTROSCOPY OF THREE YOUNG SUPERNOVA REMNANTS IN THE LARGE MAGELLANIC CLOUD	Proposal title
observer	PROF. STEVEN KAHN	Principal investigator
object	0509-67.5	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	77.382917	Observer's specified target RA [deg]
dec_targ	-67.521417	Observer's specified target Dec [deg]
ra_nom	77.331180303411	Nominal RA [deg]
dec_nom	-67.665851816905	Nominal Dec [deg]
roll_nom	81.661801936625	Nominal Roll [deg]
revision	3	Processing version of data
ontime	49394.469439879	Sum of GTIs [s]
livetime	48769.006926053	Livetime [s]
ontime4	49384.621434927	Sum of GTIs [s]
ontime5	49410.633330673	Sum of GTIs [s]
ontime6	49394.469439879	Sum of GTIs [s]
ontime7	49410.956644669	Sum of GTIs [s]
ontime8	49385.743947759	Sum of GTIs [s]
ontime9	49407.513745427	Sum of GTIs [s]
l2events	411644	Number of level 2 events