V&V Summary Report
L2 ASCDS Version : 7.6.9

Observation 1046 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Nov 29 2006

See axaff01046N001_VV001_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	69.932

Comments

```
Roll constraint met.

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 on a bright filament
southeast of the center of the supernova remnant. The user will need 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 spectral
data supplied in this processing are only energy-calibrated for the
emission knot R1 (Lazendic et al. 2006, ApJ, 651, 250). However, it
should be noted that the emission knot R1 that has been selected as the
zeroth order source is filamentary and curved, so the energy assignments
to the events should take the spatial information into account.
The zeroth order used for extracting the spectral data in this
```

processing is
not located at the position of the brightest X-ray emission in the
filament, but closer to the inner curve of the filament.

seq_num	500112
obs_id	1046
title	HIGH RESOLUTION SPECTRA OF YOUNG SUPERNOVA REMNANTS
observer	Prof. Claude Canizares
object	CAS A
dtycycle	0
cycle	P
ra_targ	350.866667
dec_targ	58.811806
ra_nom	350.87057410749
dec_nom	58.815806203148
roll_nom	85.955941473876
revision	2
ontime	69942.277184382
livetime	69056.62595649
ontime4	69942.277363941
ontime5	69952.000065148
ontime6	69939.036264181
ontime7	69942.277184382
ontime8	69942.277254254
ontime9	69945.51816465
l2events	8358580