

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 2323 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jun 19 2007

See axaff02323N001\_VV001\_vvref2.pdf for the full report

|                            |             |
|----------------------------|-------------|
| V&V Scientist              | Joy Nichols |
| V&V Date (YYYY-MM-DD)      | 2007.07.02  |
| V&V Edition                | 1           |
| V&V Disposition and Status | OK          |
| V&V Charge Time            | 9.091       |

## Comments

Off-axis source gratings observation. 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: The user will need to deconvolve the PSF of the off-axis source to get an accurate determination of the zeroth order position, then use software tools such as CIAO to specify the coordinates of the zeroth order before running the tools to resolve the dispersed events. The spectral data supplied in this processing are only energy-calibrated for the results of tgdetect, which uses the source-detection tool celldetect.

|          |  |
|----------|--|
| seq_num  | 390020   |
| obs_id   | 2323   |
| title    | GRATINGS CALIBRATION OBSERVATIONS OF PKS2155-304 |
| observer | Dr. CXC Calibration                              |
| object   | PKS2155-304                                      |
| dtcycle  | 0  |
| cycle    | P  |
| ra_targ  | 329.716667                                       |
| dec_targ | -30.225556                                       |
| ra_nom   | 329.68863641666                                  |
| dec_nom  | -30.132863517045                                 |
| roll_nom | 283.77074811948                                  |
| revision | 2  |
| ontime   | 9091.2000084668                                  |
| livetime | 8976.0817598962                                  |
| ontime4  | 9091.2000084668                                  |
| ontime5  | 9091.2000084668                                  |
| ontime6  | 9091.2000084668                                  |
| ontime7  | 9091.2000084668                                  |
| ontime8  | 9091.2000084668                                  |
| ontime9  | 9091.2000084668                                  |
| l2events | 127202   |

