

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 511 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 9 2007

See axaff00511N002\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	127

## Comments

Extended source : tgdetect failed to get centroid because a) source is near edge of default search box; b) extended source has a broad zero order. This was compensated for by using customized parameters in tgdetect: zo\_pos\_x=4050 zo\_pos\_y=4391 fixedcell=45 (which gives the zero order centroid of 4052.2, 4389.1). This observation will also require user-customization of HEG and MEG extraction regions (see use\_user\_pars section of tg\_create\_mask ahelp and extraction region width parameters in tgextract).

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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.

seq_num	800019
obs_id	511
title	HIGH RESOLUTION X-RAY SPECTRA OF CLUSTER COOLING FLOWS
observer	Prof. Claude Canizares
object	ABELL 1835
dtcycle	0
cycle	P
ra_targ	210.257917
dec_targ	2.858889
ra_nom	210.2523326176
dec_nom	2.8386337675699
roll_nom	259.6371816333
revision	4
ontime	126950.40011823
livetime	125342.87771158
ontime4	126937.43623742
ontime5	126947.15916799
ontime6	126950.40011823
ontime7	126950.40011823
ontime8	126943.91817784
ontime9	126940.67727748
l2events	1222505

