

# V&V Summary Report

## L2 ASCDS Version : 7.6.10

Observation 1798 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Jun 2 2007

See axaff01798N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.66

## Comments

Charge time for this ObsId remains at original value of 19.66 ks, although with the current processing the charge time would have been 19.76 ksec.

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	390016
obs_id	1798
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	329.53680874637
dec_nom	-30.344671886307
roll_nom	37.077657118832
revision	3
ontime	19756.759048164
livetime	19506.587069004
ontime4	19756.759048164
ontime5	19756.759048164
ontime6	19756.759048164
ontime7	19760.000018403
ontime8	19760.000018403
ontime9	19760.000018403
l2events	278303

