

V&V Summary Report

L2 ASCDS Version : 8.4.5

Observation 1792 - L2 Version 11
Chandra X-Ray Center

L2 Processing Date : Dec 18 2012

See axaff01792N008_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.158

Comments

Target very off-axis. In `tg_create_mask`, the zeroth order region needs to be decreased; off-axis, the default size is too large and causes short wavelengths to be omitted from grating region. In `tgextract`, the off-axis source extent requires the `tg_d` range to be increased.

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Reprocess using the following method: Columns `x`, `y`, `r`, `w` give parameters for `tg_create_mask` Columns `s1`, `s2`, `d1`, `d2`, `u1`, `u2` give paramters for `tgextract`. Customized parts of the usage are as follows:
`tg_create_mask use_user_pars = yes sA_zero_x = $x sA_zero_y = $y`
`sA_zero_rad = $r sA_width_hcg = $w sA_width_meg = $w sA_width_leg`
`= $w tgextract min_tg_d = $s1 max_tg_d = $s2 min_downbkg_tg_d =`
`$d1 max_downbkg_tg_d = $d2 min_upbkg_tg_d = $u1 max_upbkg_tg_d =`
`$u2 PKS 2155 series (LETG/ACIS): # obsid x y r w s1 s2 d1 d2 u1 u2 1791`
`3242.07 4497.14 47.96 598.78 -3.401e-03 3.401e-03 -2.592e-02 -3.887e-03`
`3.887e-03 2.592e-02`

seq_num	390010	Sequence number
obs_id	1792	Observation id
title	GRATINGS CALIBRATION OBSERVATIONS OF PKS2155-304	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PKS2155-304	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.716667	Observer's specified target RA [deg]
dec_targ	-30.225556	Observer's specified target Dec [deg]
ra_nom	329.55025172752	Nominal RA [deg]
dec_nom	-30.30116112742	Nominal Dec [deg]
roll_nom	27.225534305922	Nominal Roll [deg]
revision	11	Processing version of data
ontime	21158.211045042	Sum of GTIs [s]
livetime	20890.293036844	Livetime [s]
ontime4	21158.334165037	Sum of GTIs [s]
ontime5	21158.25208503	Sum of GTIs [s]
ontime6	21158.211045042	Sum of GTIs [s]
ontime7	21158.293125033	Sum of GTIs [s]
ontime8	21158.170024961	Sum of GTIs [s]
ontime9	21158.128965035	Sum of GTIs [s]
l2events	278205	Number of level 2 events

