

# V&V Summary Report

## L2 ASCDS Version : 8.4.3

Observation 12688 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

See axaff12688N002-VV001\_vvref2.pdf for the full report

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0553954894543

## Comments

The data for this observation have been processed using the 'EDSER' sub-pixel event-repositioning algorithm of Li et al. (2004, ApJ, 610, 1204). Small-scale features should become sharper for sources near the aim point. The improvement will be less noticeable for off-axis sources where the size of the point-spread function is comparable to or larger than the size of an ACIS pixel. To take full advantage of the improvement, images should be binned on spatial scales smaller than the size of an ACIS pixel. Note that, at present, the point-spread function has not been calibrated for data to which the EDSER algorithm has been applied. If dither was disabled for the observation, then the algorithm can introduce artificial aliasing effects on spatial scales smaller than a pixel. If you would prefer to use no sub-pixel adjustment or to apply a coordinate randomization, then use `acis_process_events` to reprocess the data with the parameter `pix_adj=NONE` or `RANDOMIZE`, respectively.

seq_num	501521	Sequence number
obs_id	12688	Observation id
title	Hunting for Anti-magnetars with Chandra	Proposal title
observer	Dr Chi-Yung Ng	Principal investigator
object	PSR J1107-5907	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.89375	Observer's specified target RA [deg]
dec_targ	-59.121861	Observer's specified target Dec [deg]
ra_nom	166.90307098043	Nominal RA [deg]
dec_nom	-59.121870948347	Nominal Dec [deg]
roll_nom	328.16456981785	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5055.3954922557	Sum of GTIs [s]
livetime	4991.381030539	Livetime [s]
ontime2	5055.436532259	Sum of GTIs [s]
ontime3	5055.2723722458	Sum of GTIs [s]
ontime5	5055.3544522524	Sum of GTIs [s]
ontime6	5055.3134122491	Sum of GTIs [s]
ontime7	5055.3954922557	Sum of GTIs [s]
ontime8	5055.2313322425	Sum of GTIs [s]
l2events	55784	Number of level 2 events

