

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 6143 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 11 2020

See axaff06143N005_VV001_vvref2.pdf for the full report

V&V Scientist	David Principe
V&V Date (YYYY-MM-DD)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1817

Comments

HETG is inserted as a filter; there is very little useful gratings information in the observation. The zeroth order position used in the grating extraction is NOT at the position of the pulsar, but is near a bright emission region to the NE, along the outer ring that circumscribes the pulsar. Aim point is about 30 arcsec east of the aim points used for the other observations in this set, as requested by the proposer. If the dispersed grating spectrum is to be analyzed, it should be re-extracted using the exact position of the pulsar as the zeroth order position. The dispersed spectrum only contains data for the meg orders between 1-2 A. Broad east/west streak in Level 2 data is instrumental, due to the fact that the spacecraft dither during this observation was only 1 arcsec.

seq_num	500596	Sequence number
obs_id	6143	Observation id
title	Monitoring of the Relativistic Magnetohydrodynamic Shock in the Crab Nebula	Proposal title
observer	Dr Koji Mori	Principal investigator
object	Crab Nebula	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.640417	Observer's specified target RA [deg]
dec_targ	22.016472	Observer's specified target Dec [deg]
ra_nom	83.645570940938	Nominal RA [deg]
dec_nom	22.026664514982	Nominal Dec [deg]
roll_nom	90.805934631069	Nominal Roll [deg]
revision	5	Processing version of data
ontime	10181.700404584	Sum of GTIs [s]
livetime	8956.4570765169	Livetime [s]
ontime7	10181.700404584	Sum of GTIs [s]
l2events	1167199	Number of level 2 events

