

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 5555 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 10 2020

See axaff05555N005_VV001_vvref2.pdf for the full report

V&V Scientist	Melania Nynka
V&V Date (YYYY-MM-DD)	2020.10.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.1506

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 knot to the SE. 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 +1 order 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	500544	Sequence number
obs_id	5555	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	83.632083	Observer's specified target RA [deg]
dec_targ	22.016472	Observer's specified target Dec [deg]
ra_nom	83.636528493737	Nominal RA [deg]
dec_nom	22.027108679443	Nominal Dec [deg]
roll_nom	92.725784437472	Nominal Roll [deg]
revision	5	Processing version of data
ontime	9150.6003636122	Sum of GTIs [s]
livetime	8049.4373360417	Livetime [s]
ontime7	9150.6003636122	Sum of GTIs [s]
l2events	2236779	Number of level 2 events

