

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 5557 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 11 2020

See [axaff05557N005_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	10.1838

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 between the pulsar and a bright emission knot to the SE. The zeroth order is in a region of low X-ray emission. 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 Å.

seq_num	500546	Sequence number
obs_id	5557	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	83.636653516103	Nominal RA [deg]
dec_nom	22.026689962455	Nominal Dec [deg]
roll_nom	91.62634025546	Nominal Roll [deg]
revision	5	Processing version of data
ontime	10183.800404668	Sum of GTIs [s]
livetime	8958.3043672307	Livetime [s]
ontime7	10183.800404668	Sum of GTIs [s]
l2events	2507218	Number of level 2 events

