

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 5558 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 11 2020

See axaff05558N005_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	10.1736

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 some bright emission knots 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 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	500547	Sequence number
obs_id	5558	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	83.636916862366	Nominal RA [deg]
dec_nom	22.026601951086	Nominal Dec [deg]
roll_nom	91.045236340013	Nominal Roll [deg]
revision	5	Processing version of data
ontime	10173.600404263	Sum of GTIs [s]
livetime	8949.3318123351	Livetime [s]
ontime7	10173.600404263	Sum of GTIs [s]
l2events	2482694	Number of level 2 events

