

# V&V Summary Report

## L2 ASCDS Version : 10.9.1

Observation 6142 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Oct 11 2020

See axaff06142N005\_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	10.1466

## 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 centered on a bright emission knot to the NW. This knot is the brightest emission in the image. The dispersed spectrum only contains data for the meg orders between 1-2 A. Aim point offset ~30 arcsec to the west, as requested by the oberver. 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	500595	Sequence number
obs_id	6142	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	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.62375	Observer's specified target RA [deg]
dec_targ	22.016472	Observer's specified target Dec [deg]
ra_nom	83.628564068208	Nominal RA [deg]
dec_nom	22.026662346449	Nominal Dec [deg]
roll_nom	90.838110079612	Nominal Roll [deg]
revision	5	Processing version of data
ontime	10146.60040319	Sum of GTIs [s]
livetime	8925.5809317291	Livetime [s]
ontime7	10146.60040319	Sum of GTIs [s]
l2events	2452145	Number of level 2 events

