

V&V Summary Report

L2 ASCDS Version : 10.9.1

Observation 5553 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 7 2020

See axaff05553N004_VV001_vvref2.pdf for the full report

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|----------------------------|----------------|
| V&V Scientist | David Principe |
| V&V Date (YYYY-MM-DD) | 2020.10.08 |
| V&V Edition | 1 |
| V&V Disposition and Status | OK |
| V&V Charge Time | 10.1526 |

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.

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|----------|-----------------------------------------------------------------------------|---------------------------------------------|
| seq_num | 500542 | Sequence number |
| obs_id | 5553 | 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 | 83.627617369469 | Nominal RA [deg] |
| dec_nom | 22.005757186705 | Nominal Dec [deg] |
| roll_nom | 272.22231809113 | Nominal Roll [deg] |
| revision | 4 | Processing version of data |
| ontime | 10152.600403428 | Sum of GTIs [s] |
| livetime | 8930.8589051971 | Livetime [s] |
| ontime7 | 10152.600403428 | Sum of GTIs [s] |
| l2events | 2673249 | Number of level 2 events |

