V&V Summary Report
L2 ASCDS Version : 8.5.1.1

Observation 5556 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Mar 7 2013

See axaff05556N005_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1562

Comments

```
Window preference met. 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.
===
As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the
reported value of the ACIS FP temperature was ~1.3 degrees warmer than
the actual temperature. The value for FP temperature reported in the
headers of the Level 2 event file and the Mission Timeline files are
incorrect by this amount for this processing. However, the temperature
is corrected in the processing in order to obtain the correct
temperature for the CTI correction. So the calibrated data are correct.
If using the FP temp values in the headers of data files (some CIAO
tools require this information), investigators should subtract 1.3
degrees from the reported temperature to determine the true temperature.
```

seq_num	500545	Sequence number
obs_id	5556	Observation id
title	Monitoring of the Relativistic Magnetohydrodynamic Shock in the Crab Nebula	Proposal title
observer	Dr Koji Mori	Principal investigator
object	The Crab Nebula	Source name
dtycycle	0	&#160
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	83.633370717745	Nominal RA [deg]
dec_nom	22.028884443776	Nominal Dec [deg]
roll_nom	92.421624523296	Nominal Roll [deg]
revision	5	Processing version of data
ontime	10156.200403571	Sum of GTIs [s]
livetime	8934.0256892779	Livetime [s]
ontime7	10156.200403571	Sum of GTIs [s]
l2events	2484790	Number of level 2 events