V&V Summary Report
L2 ASCDS Version : 10.1

Observation 16244 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Dec 19 2014

See axaff16244N003_VV001_vvref2.pdf for the full report

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.12.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.158932353139

Comments

```
These data have been reprocessed with new aspect alignment calibration
files that correct small mean offsets (up to 0.4 arcsecs) and improve
overall astrometric accuracy. The new calibration was determined using
data from the time period being reprocessed and was performed using
cross-correlation of X-ray sources with radio and optical counterparts.
====
The MCP HV levels and the trigger threshold of the instrument were set
to non-standard values and as such the instument is no longer
'calibrated'. Use of the LETG grating with HRC for an extended source
results in a degradation of the spectral resolution. There is no longer
a unique mapping between position of an event on the focal plane and
wavelength. === Non-standard MCP HV setting used for this observation.
The setting used is top=91, bottom=103. This setting is intermediate
between the original default HV setting for HRC and the 2012 revised
default HV setting. THERE IS NO DETECTOR GAIN CALIBRATION FOR THIS HV
SETTING. This observation was processed with custom gti-limit parameters
to allow events from non-standard voltages to be included in gti. LETG
grating inserted as a filter only.
```

seq_num	502244	Sequence number
obs_id	16244	Observation id
title	Pre-Planned Target of Opportunity (ToO) Observations of the Crab Nebula upon the Occurrence of the Next Gamma-Ray Flare	Proposal titl
observer	Dr. Martin Weisskopf	Principal investigator
object	Crab	Source name
ra_targ	83.631667	Observer's specified target RA [deg]
dec_targ	22.015667	Observer's specified target Dec [deg]
ra_nom	83.631625536359	Nominal RA [deg]
dec_nom	22.020429703008	Nominal Dec [deg]
roll_nom	91.736950742151	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20158.932353139	[s]
livetime	20048.098275875	Ontime multiplied by DTCOR
l2events	1453661	Number of level 2 events