

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20832 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 2 2017

See axaff20832N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2017.11.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.087661258459

## Comments

WARNING: this is a grating observation of a very extended source. Dispersed spectra are a mix of spatial and spectral information. The default extraction, on the nominal target position, is of no particular significance. Custom analysis will be required to perform extractions on features of interest (e.g., bright knots). Note that there are also no standard responses for analysis of extended sources; the grating RMFs (LSF) are as if point sources, so custom analysis will be required to model profiles, with care to disentangle spatial-spectral features.

Comments for Obi 0

Fid in slot 1 radial offset > 0.550000 arcsec

Aspect review: acceptable.

seq_num	502941	Sequence number
obs_id	20832	Observation id
title	Ejecta Kinematics Study of Tycho's SNR With Chandra HETGS	Proposa
observer	SANGWOOK PARK	Principal investigator
object	Tycho's Supernova Remnant	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.329167	Observer's specified target RA [deg]
dec_targ	64.136111	Observer's specified target Dec [deg]
ra_nom	6.3286663530441	Nominal RA [deg]
dec_nom	64.129583526455	Nominal Dec [deg]
roll_nom	222.15707793845	Nominal Roll [deg]
revision	1	Processing version of data
ontime	51087.661258459	Sum of GTIs [s]
livetime	50420.163353928	Livetime [s]
ontime5	51087.620218515	Sum of GTIs [s]
ontime6	51084.438108206	Sum of GTIs [s]
ontime7	51087.661258459	Sum of GTIs [s]
ontime8	51084.396977663	Sum of GTIs [s]
ontime9	51087.497098446	Sum of GTIs [s]
l2events	1638920	Number of level 2 events

