

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20813 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 23 2017

See [axaff20813N001\\_VV001\\_vvref2.pdf](#) for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2017.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.394100372314

## 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.

seq_num	502941	Sequence number
obs_id	20813	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	6.3286695463216	Nominal RA [deg]
dec_nom	64.131141256271	Nominal Dec [deg]
roll_nom	215.15707872044	Nominal Roll [deg]
revision	1	Processing version of data
ontime	48394.100372314	Sum of GTIs [s]
livetime	47761.795823732	Livetime [s]
ontime5	48394.100372314	Sum of GTIs [s]
ontime6	48384.677021027	Sum of GTIs [s]
ontime7	48394.100372314	Sum of GTIs [s]
ontime8	48384.677121639	Sum of GTIs [s]
ontime9	48394.100372314	Sum of GTIs [s]
l2events	1548429	Number of level 2 events

