

# V&V Summary Report

## L2 ASCDS Version : 10.6

Observation 20799 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Nov 19 2017

See axaff20799N001\_VV001\_vvref2.pdf for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2017.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.453013459325

## 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	20799	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	6.3290474968497	Nominal RA [deg]
dec_nom	64.129071601843	Nominal Dec [deg]
roll_nom	225.15672779778	Nominal Roll [deg]
revision	1	Processing version of data
ontime	22453.013459325	Sum of GTIs [s]
liveltime	22168.699883321	Livetime [s]
ontime4	22449.813519001	Sum of GTIs [s]
ontime5	22452.972419262	Sum of GTIs [s]
ontime6	22449.690498233	Sum of GTIs [s]
ontime7	22453.013459325	Sum of GTIs [s]
ontime8	22452.890339255	Sum of GTIs [s]
ontime9	22452.849299312	Sum of GTIs [s]
l2events	740827	Number of level 2 events

