

V&V Summary Report

L2 ASCDS Version : 10.6

Observation 20819 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Oct 30 2017

See [axaff20819N001_VV001_vvref2.pdf](#) for the full report

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2017.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.089183069348

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	20819	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	
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	6.3265953601741	Nominal RA [deg]
dec_nom	64.129479795148	Nominal Dec [deg]
roll_nom	215.15893750227	Nominal Roll [deg]
revision	1	Processing version of data
ontime	45089.183069348	Sum of GTIs [s]
livetime	44500.059698374	Livetime [s]
ontime5	45089.142029405	Sum of GTIs [s]
ontime6	45082.818858981	Sum of GTIs [s]
ontime7	45089.183069348	Sum of GTIs [s]
ontime8	45082.777758718	Sum of GTIs [s]
ontime9	45085.877828956	Sum of GTIs [s]
l2events	1443307	Number of level 2 events

