



Full wwPDB EM Validation Report ⓘ

May 19, 2021 – 05:00 pm BST

EMDB ID : EMD-11410
Title : Native putative AMPAR type glutamate receptor, model guided
Authors : Martinez, A.; Lucic, V.
Deposited on : 2020-07-16
Resolution : 33.67 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMTomogramValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : 0.0.0.dev75
Validation Pipeline (wwPDB-VP) : 2.18

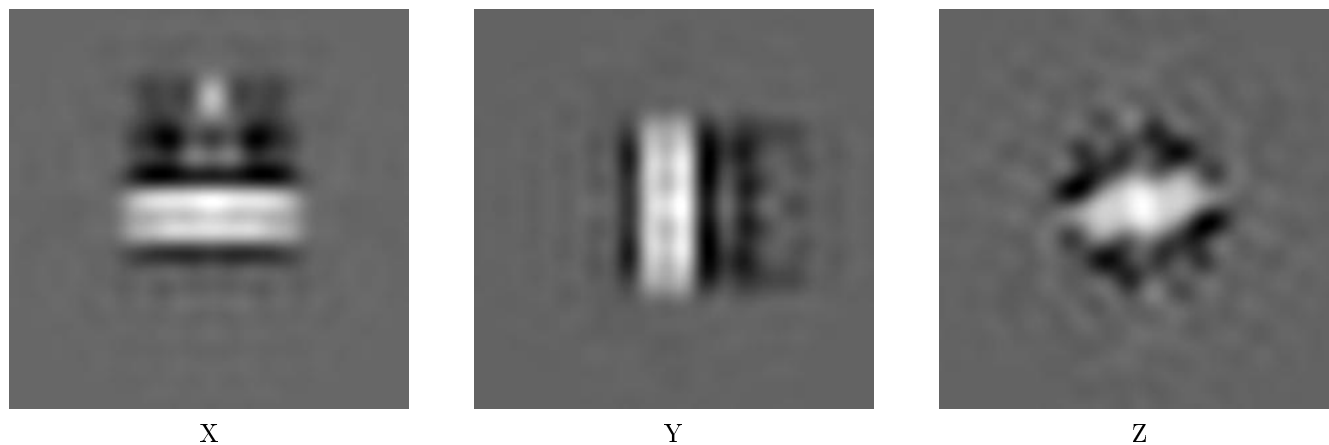
1 Experimental information

Property	Value	Source
EM reconstruction method	TOMOGRAPHY	Depositor
Imposed symmetry	Not Provided	
Number of tilted images used	257	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/\text{\AA}^2$)	1.66	Depositor
Minimum defocus (nm)	0.5	Depositor
Maximum defocus (nm)	1.0	Depositor
Magnification	Not provided	
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor
Maximum voxel value	1.501	Depositor
Minimum voxel value	-1.378	Depositor
Average voxel value	-0.001	Depositor
Voxel value standard deviation	0.168	Depositor
Recommended contour level	Not applicable	
Tomogram size (Å)	437.76, 437.76, 437.76	wwPDB
Tomogram dimensions	64, 64, 64	wwPDB
Tomogram angles (°)	90.0, 90.0, 90.0	wwPDB
Grid spacing (Å)	6.84, 6.84, 6.84	Depositor

2 Tomogram visualisation [i](#)

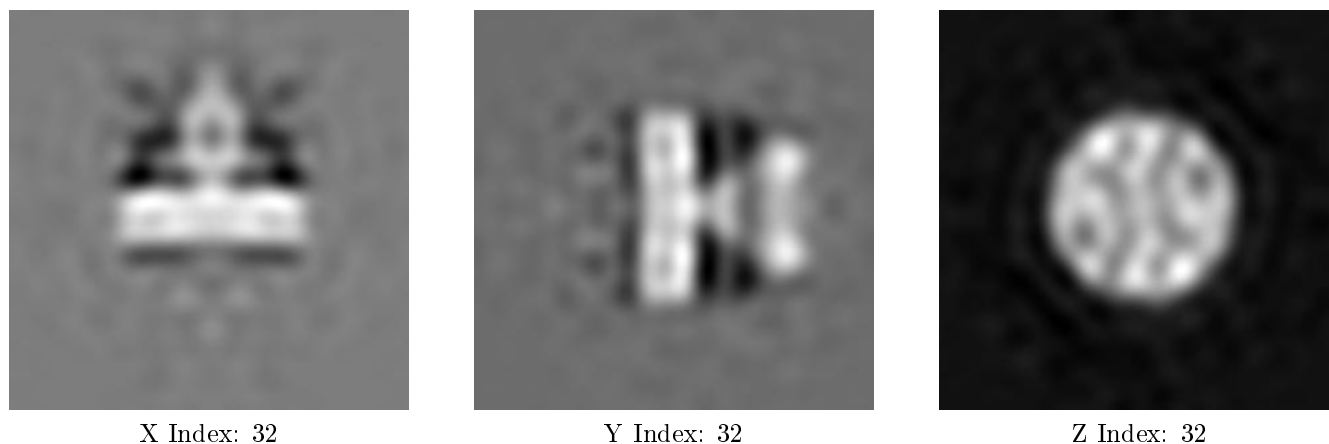
This section contains visualisations of the EMDB entry EMD-11410. These allow visual inspection of the internal detail of the tomogram and identification of artifacts.

2.1 Orthogonal projections [i](#)



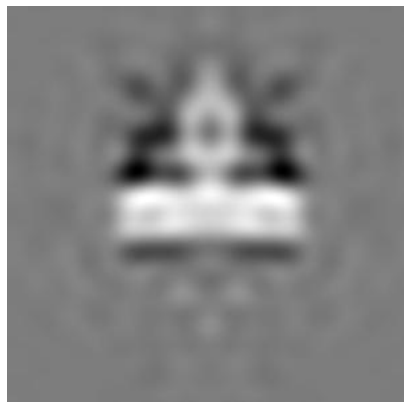
The images above show the tomogram projected in three orthogonal directions.

2.2 Central slices [i](#)

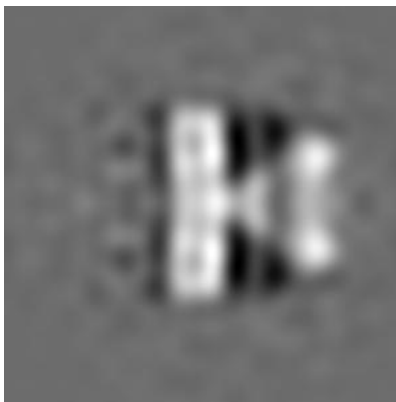


The images above show central slices of the tomogram in three orthogonal directions.

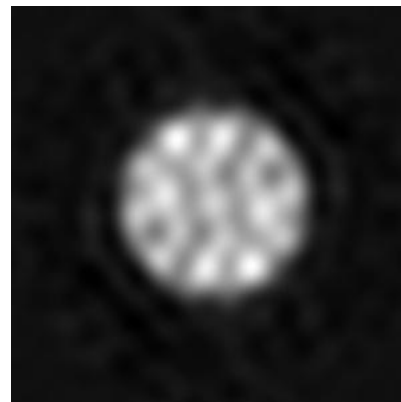
2.3 Largest variance slices [i](#)



X Index: 32



Y Index: 32



Z Index: 33

The images above show the largest variance slices of the tomogram in three orthogonal directions.

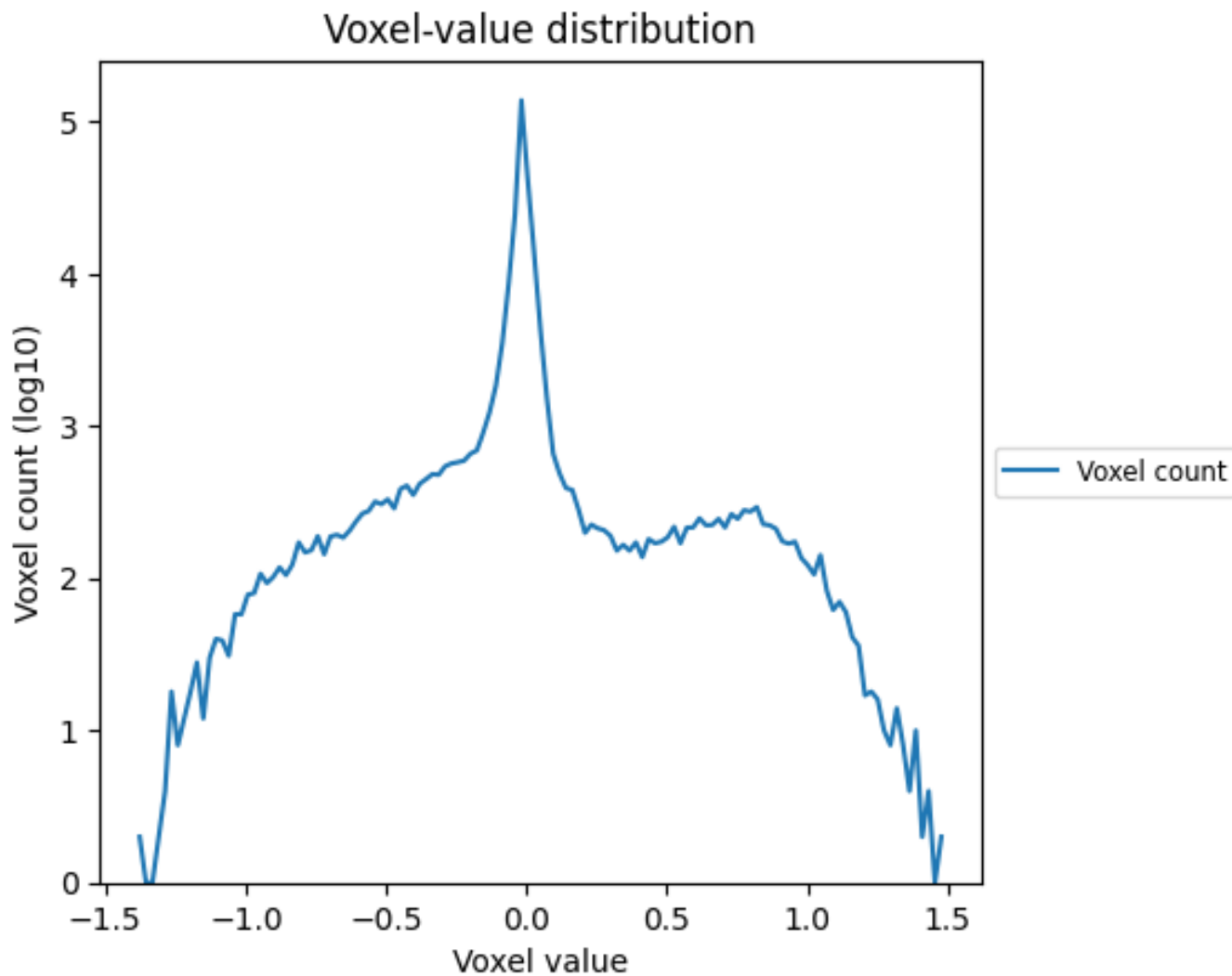
2.4 Mask visualisation [i](#)

This section was not generated. No masks/segmentation were deposited.

3 Tomogram analysis [i](#)

This section contains the results of statistical analysis of the tomogram.

3.1 Voxel-value distribution [i](#)



The voxel-value distribution is plotted in 128 intervals along the x-axis. The y-axis is logarithmic.