Contents

CompuCell3D

Simulation control
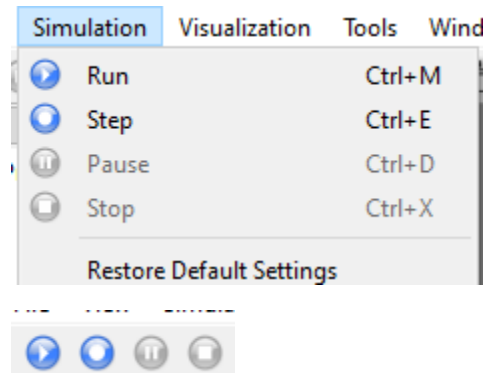
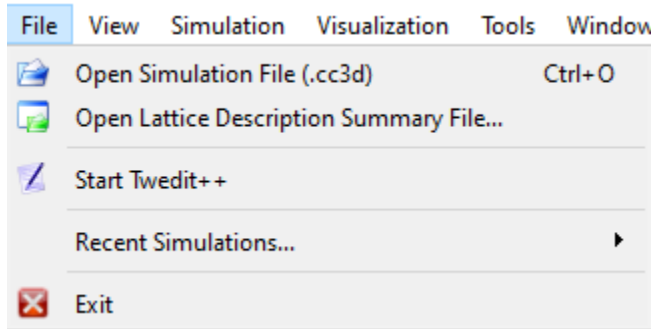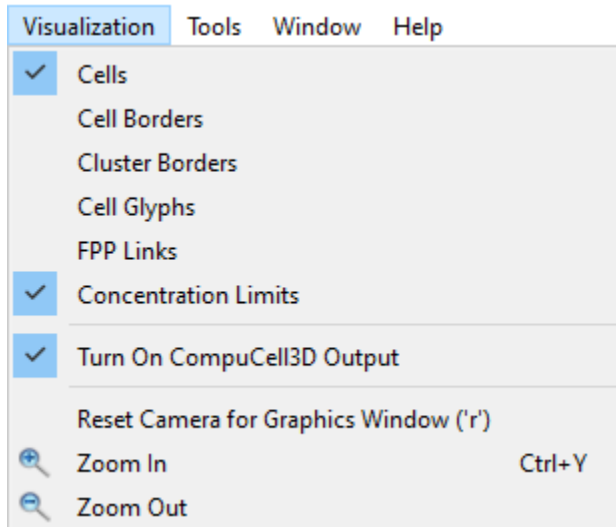

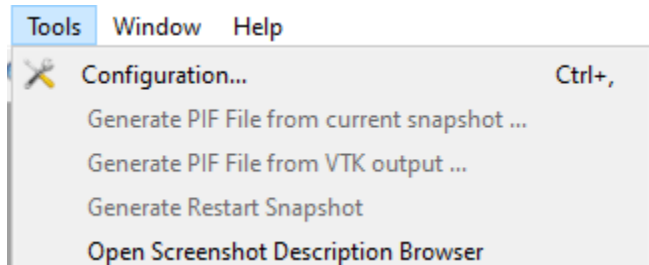Start, step, pause, stop buttons (respectively)

File

Open simulation file, open twedit++

Visualization

Select items to be rendered (we strongly suggest you turn cell borders off if you're rendering in 3D)

Tools

Configuration

CompuCell3D save location (CC3D WorkspaceDir)

 You can find where player saves the simulations and the CSV files by going in configurations (the screwdriver + wrench icon, or in the Tools menu under configuration). It will be stated in the "Workspace Dir" box ("Output" tab), you may change it to whatever you want (make sure that the tick box to the right is not selected). The simulations will be in individual folders named after the simulation with the date and time the simulation was run at appended, for instance "ViralInfectionVTM_cc3d_07_15_2020_14_45_32"
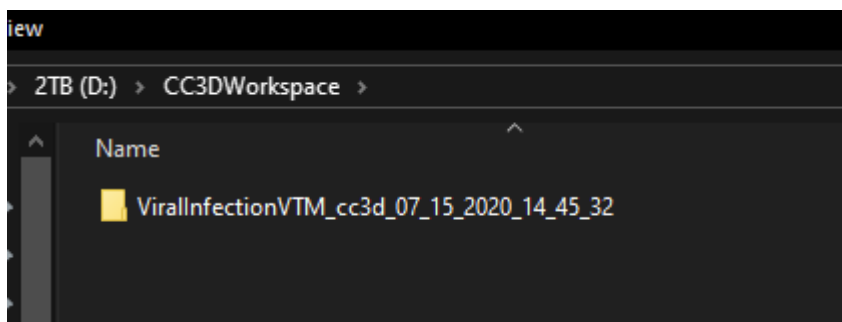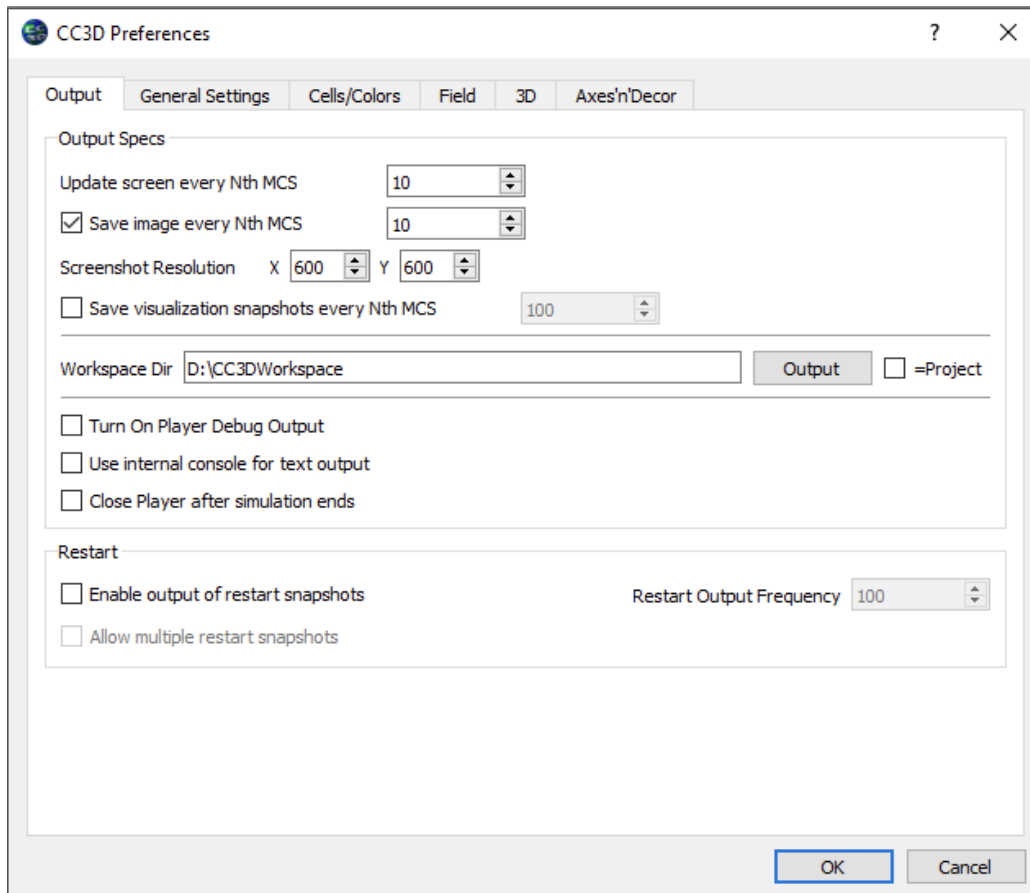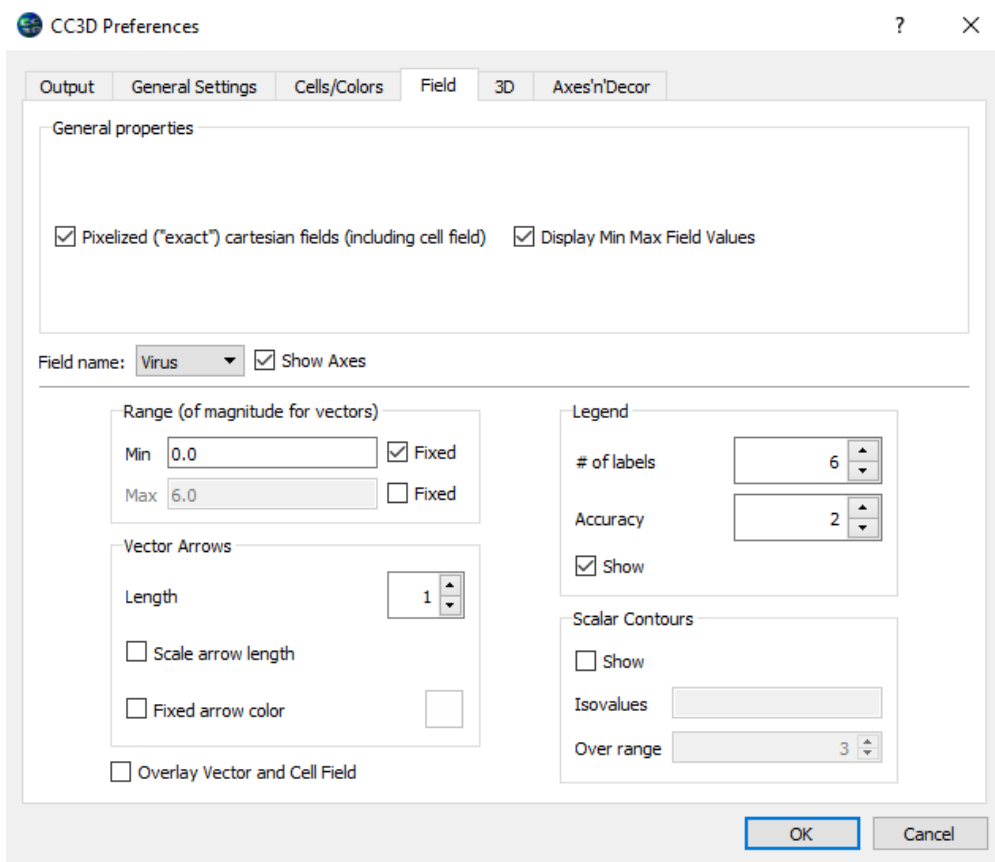

Cell Colors

Set cell colors, cell border colors.
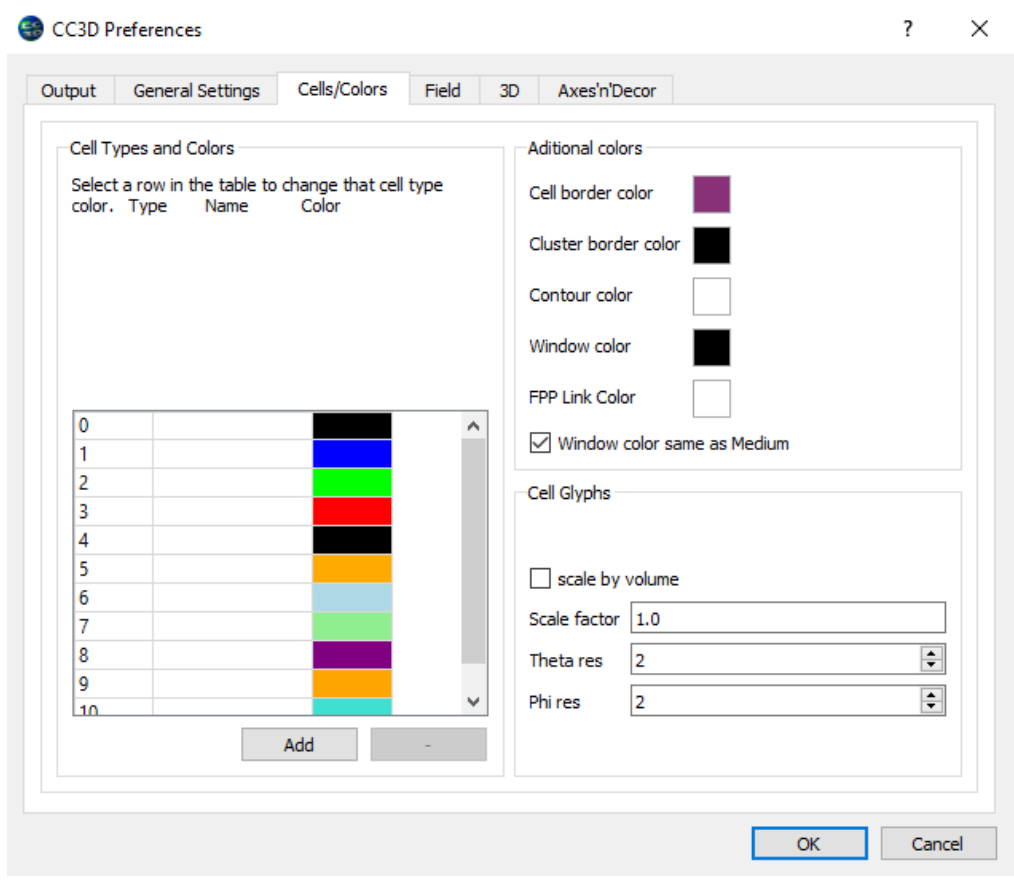
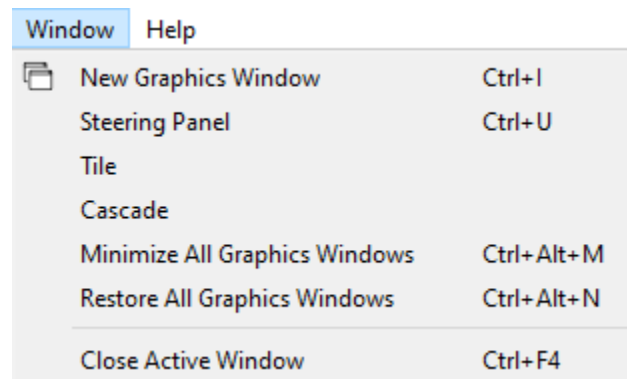## Field

Can set the color mapping to have a fixed maximum / minimum or leave it floating

Window

Create new cell field windows, organize them

Help

Simulation cell window / Graphs

Cell window
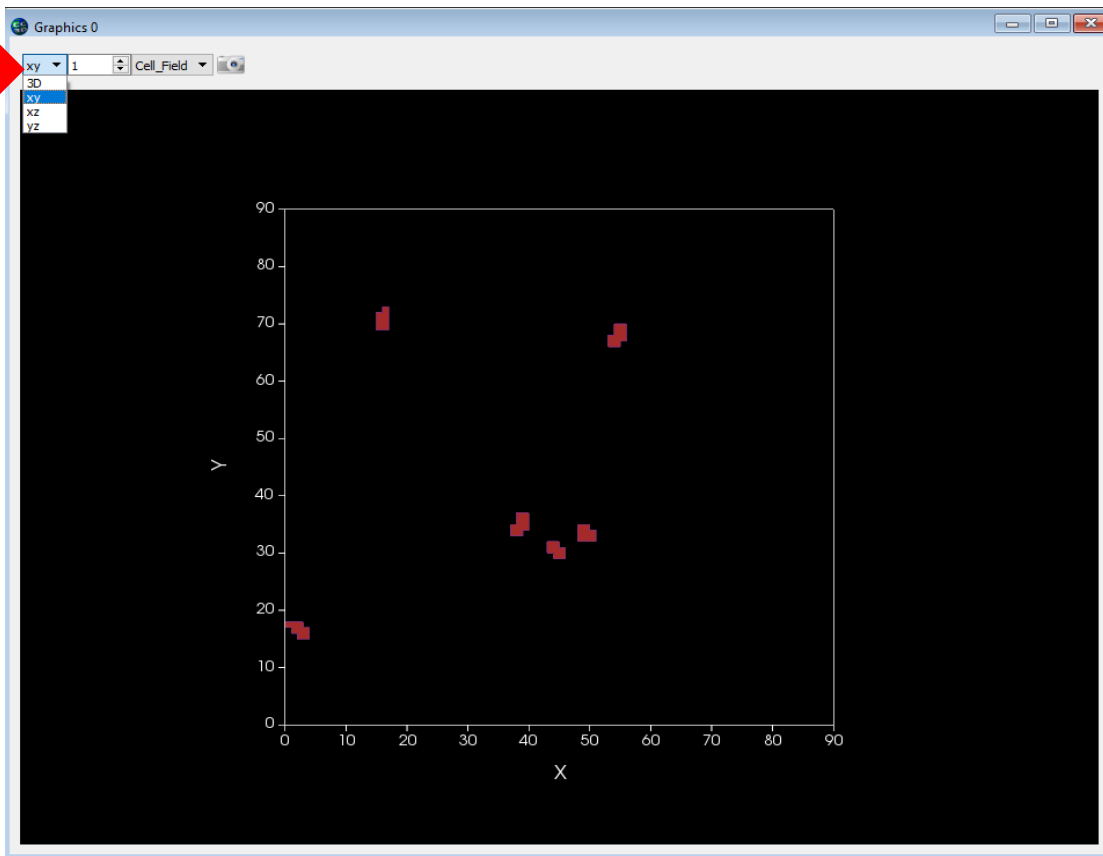
Select 2D slice or 3D rendering

Selects plane of 2D slice

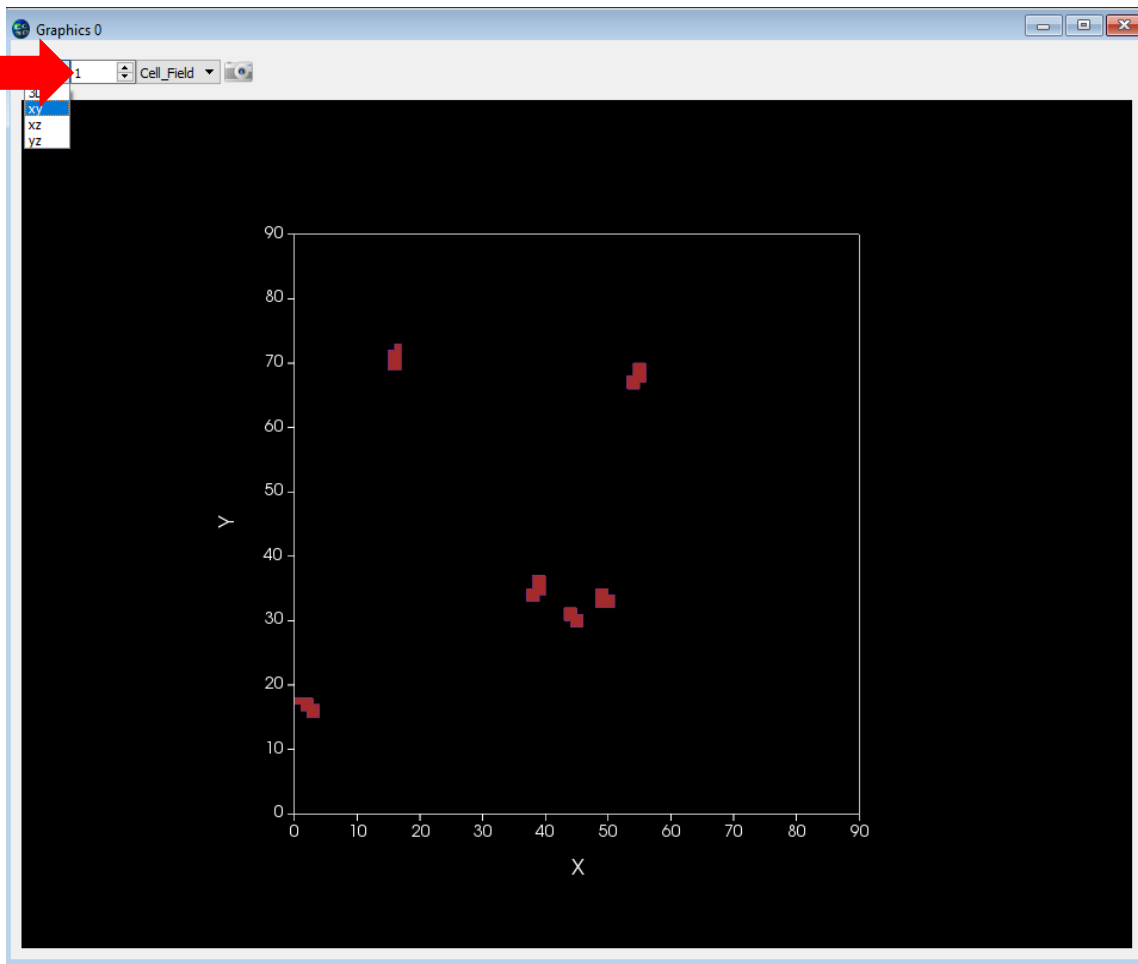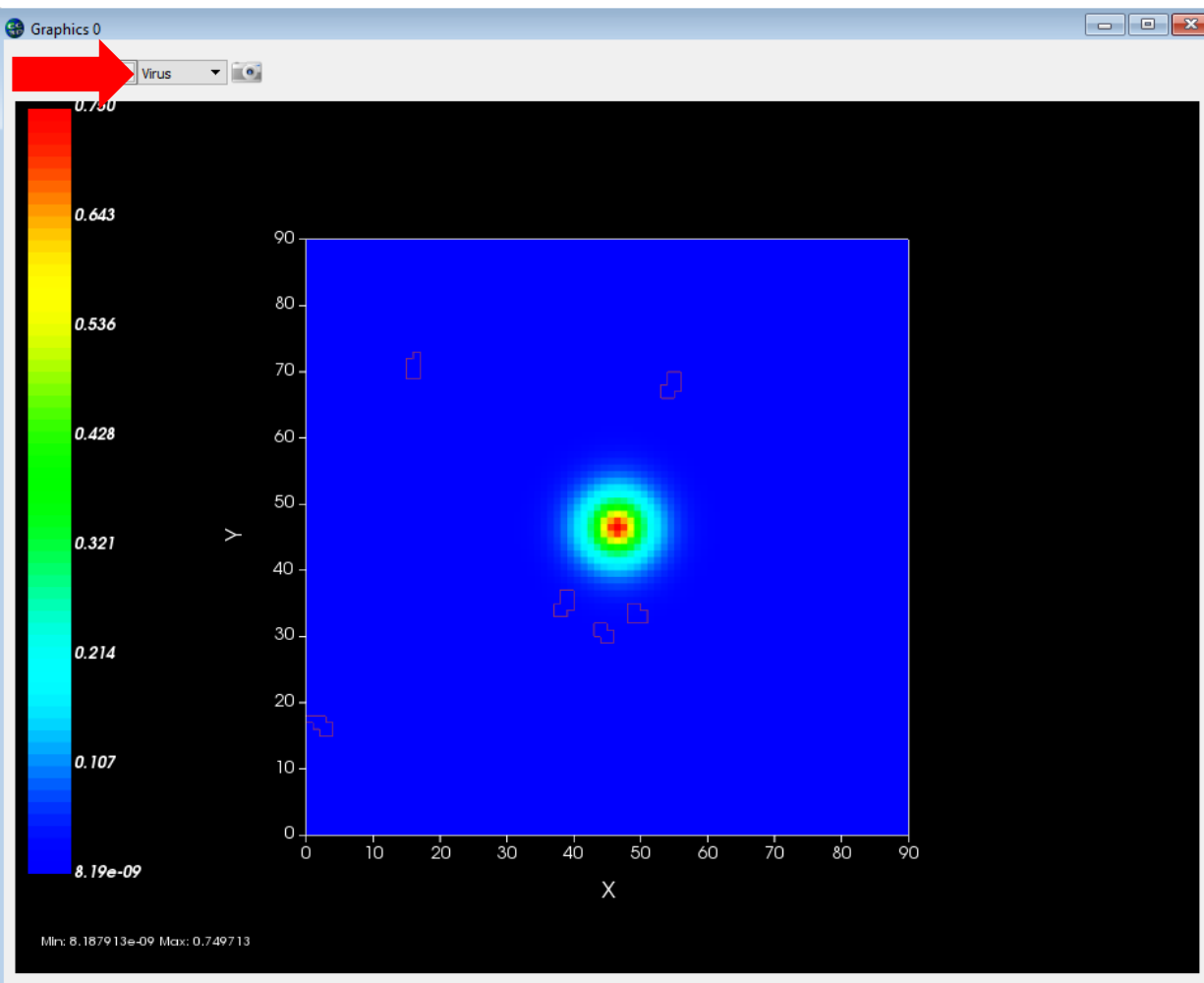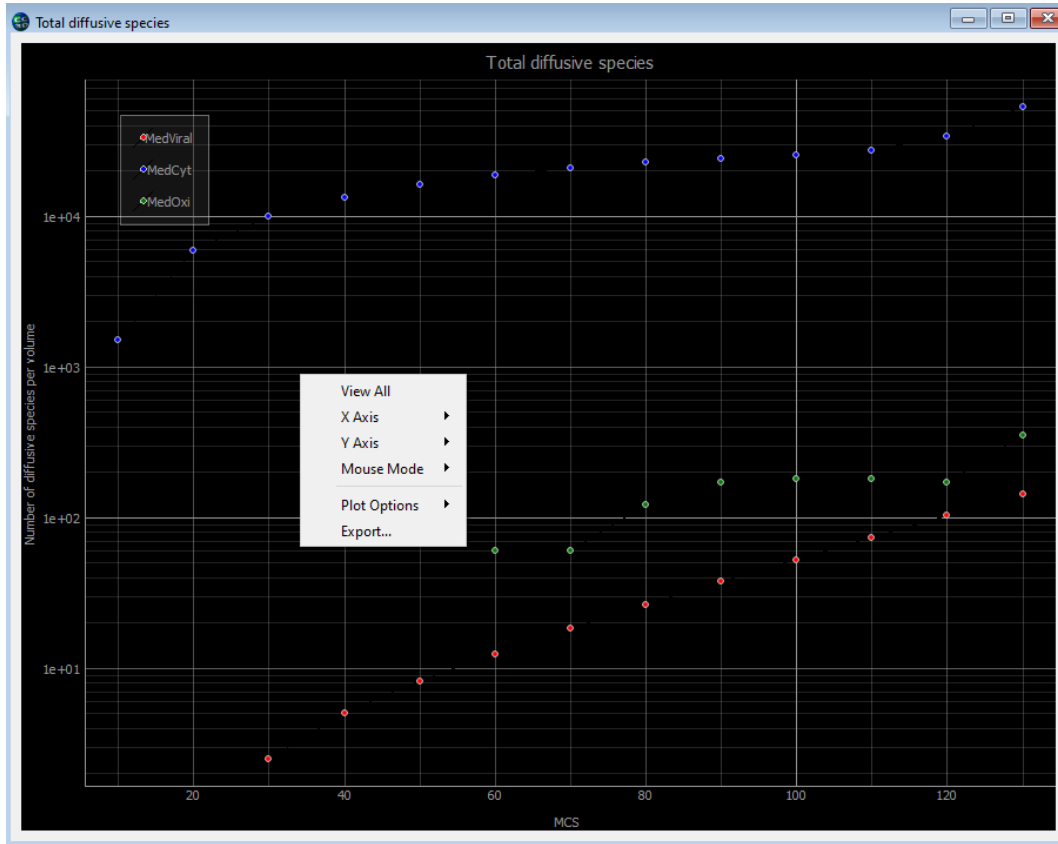Selects concentration field to be rendered or only the cells with no field (in 3D renders the isocurves of the field).
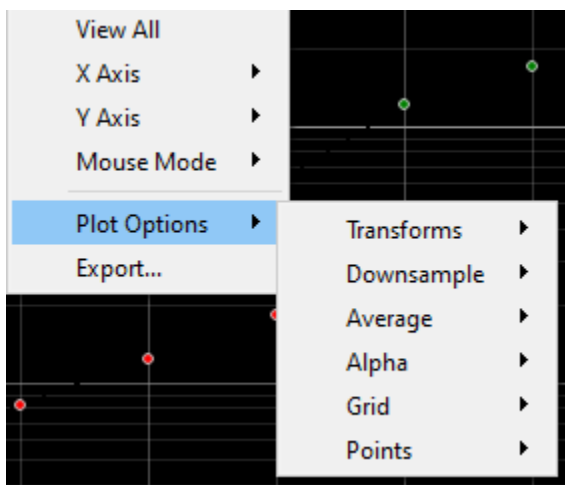
Graphs

Through right clicking you can:

- Change the x & y ranges (X Axis / Y Axis)
- View all data (default behavior) after changing the range
- Change plot options

Plot Options

Transforms

- Set X / Y to log scale

- Do a fast Fourier transform (may crash the simulation)

Grid

Toggle X / Y grid

Export

Export the graph as a figure (PNG, jpeg, SVG…) or the data from the figure as CSV