Unanswered FAQ:
Is there a way to sync the view angle on multiple windows? - Yes, check the video tutorials.

What is the best way to choose points?

FAQ:
When stepping through the simulation it shows time as big numbers which I assume are seconds?
- The numbers are modified julian day, I have a python script to convert to human readable time format.

I also assume the program starts on Jan 1? Is there a way that you can check it in the program?
- Yes, it starts Jan 1, 2010.

Is there a way you can show a slice of the lake either width or length?
- Yes, see **Show a single layer**, and **Show a vertical slice**

Is there a way to click on a cell and it show actual values or a timeseries?
- Yes, see **Extract 1D line**. Unclick 'Do time query' for a single value.

Can you export data of a layer, slice or location
- There is an option File:Export Database, but I do not recognize any of those formats. So the answer is 'yes', but we have to figure out which format to choose.

Can you zoom into the location in the lake?
- Yes, click the magnifying glass, or just scroll with the mouse. Hit the green X'ed camera to reset view to default.

Is there a way I bypass the VPN (and thus have better bandwidth) and download the model output to my computer and thus run the files on my laptop?
I download everything to my laptop because it is faster, but I have a lot of space on it.
If you are using MobaXterm, you can use just scp or sftp. I think it is good to learn a bit more MobaXterm - first, set the local home directory, and do: `scp yourname@atmos.epa.gov:/path/to/filename .`
I think you need to be on the VPN to ssh/scp to atmos, but that shouldn't make the download much slower. Here is the Henry2 (our cluster) website with file transfer instructions, you would

have to put "yourname@atmos" instead of @hpc.ncsu, and here is a [Video tutorial on MobaXterm](link) to learn to install, ssh, set the local home directory, and customize the appearance.
- You can also just ask Anna or others how they are transferring files, since they have Windows machines and are doing that. There is a GUI option to transfer files using MobaXterm, but I never used it.
- I also recommend asking Ed Anderson if there are any plans to have Globus available from atmos, because that is really the best way to move large files.

Wilson mentioned there is a version of Visit on atmos, I wonder if this will be faster (and the functionality is the same) – perhaps a question for Wilson as well.
I thought you are already using VisIt on atmos. You have VisIt installed locally, but it reads the data from VisIt which is installed on atmos to accommodate that, I think they call it 'server mode' or something.

Once we have a set of plots that we do all the time, we can use VisIt in batch mode, which is submitting commands to VisIt via scripts, and VisIt creates the plots without opening a window.

VisIt Ideas

- Create multiple "calculated" windows (e.g. absolute difference and % difference)
- In addition to color could use extruded cells or elevation to visualize additional attributes
- Add tributary loads as part of the visualization