Valcex Issues:

1. Maybe better to use an orthographic camera , e.g., for lining up arrows (rather than perspective), or allow both since they serve different purposes.
2. Navigation control needs to be done better. For example? What specifically needs to be fixed? For example, axes currently preset so manipulations not intuitive or easy to control.
3. \*Set the initial view to a position/angle that best shows what the scientist needs to see initially - maybe from overhead?
4. \*To aid/quicken navigation, add a few buttons for setting default views so user can easily snap back to a default position. May even want a way  for the viewer to save a particular view and “snap back” to that.
5. Need a way for the user to save a session so he/she can return to it later without starting from scratch. And/or have each user create a profile containing their preferred settings.
6. \*Yellow arrows are difficult to see. Maybe have different color or outline them in some other color, e.g., black or white. This was particularly apparent when projecting on a screen.
7. \*Buttons are somewhat misplaced. Why is "start from beginning" button in the middle? In general, we may want to examine the overall position and labeling of buttons, etc.  Better directions or indicators the order things must be done is clear when a viewer first opens the page.
8. \*Add a title/label, e.g., below the image, indicating, e.g.,  the dataset and timestamp.  This information is in the log but a title would be easier to read and thus stand out more.
9. The visualization makes it hard to compare time steps since we can only see one time step at a time. Options are:
   1. Allow for multiple windows side by side to display multiple time steps at the same time.
   2. Show the sodargram side by side with terrain so that scientists familiar with sodargrams can compare the representations. Of course, sodargrams display multiple time steps so one would need to indicate which column in the sodargram corresponds to the image. This indicator would move as an animation progresses.
   3. Show time as a dimension as with the extruded volume visualization (time as a separate dimension).