GUI usability review - March 8, 2016

Item	Tab	Description	Consensus	Status	Priority ranking (1 = first)	Effort	Notes
1		Force user to load a data set before doing anything else at startup. E.g. make all other widgets insensitive, or bring up data load "wizard". Move data load options from Data to File menu, and change to: • Open VDC • Open Native (Foreign, or Import data?) • Open Session • New Session	y	Done		~1 day	A popup would be required to warn users if loading data into an existing session.
2		Make default camera position **much** closer	y	Done		~0.2	
3		Automatically set scaling for domains with huge aspect ratios	y	Done		~0.5	Need to have a preference for disabling auto-scaling
4	layout	Currently the layout tab supports **changing** the box domain by changing its size and center position. The layout tab **displays** the box min and max extents. Would it make more sense to allow toggling between two manipulation modes: size & position, and min & max?	y		6	2-3	Also, ditch display of grid extents in voxels
5	contour /isovalues	Move colorbar to a separate Annotation tab?	post-poned				
6	contour /layout	Change the orientation control so that it operates in viewing coordinates!!!	y		4		Further discussion needed
7	contour /isovalues	The interface for setting isovalues is really clunky. If you know the minimum value and a delta that you are interested in it works ok. But if you are exploring the data and simply want to evenly distribute a number of contours between a min and a max (with the aid of the histogram) it's really difficult to use.	y		5		Unsure how to improve. More discussion needed.
8	Animation	I'm not sure that moving multi-frame capture from where it was to the Animation tab is in any way an improvement. It makes a an already busy tab even busier, and it splits the capture capability into two places.	y	Done	1	2-3	Restore to previous UI, initially don't add an option to ignore GUI events when performing a time or keyframe animation.
9	Animation	We should probably schedule a time just to review keyframe control, but maybe we should simply disable it until 3.1?	post-poned		7		
10	Region	I don't understand the changes that were made to the Region tab and need for a "Domain defining variable".	post-poned		2		Further discussion needed. Possibly defer to 3.1 since we won't have 3D operators until then.
11	Main menu	Do away with selection of individual manipulators under Navigation menu and replace with a single "show manipulator" button. When enabled, whichever tab is active the corresponding manipulator would be shown.			3		This could have a number of negative consequences, such as the manipulator changing whenever the user changes the active tab. Alan will evaluate effort involved.
12	All	Rename "layout" tab to something more meaningful (e.g. Region or Geometry)	y	Done		0.2	