

GUI - Dec 3 2015

Status: Closed

Item	Description	Consensus?	Who?	Status	Notes
1	Under Settings/Startup change "Metadata" to something more meaningful like "Data set"	y	Scott	Done	
2	Settings/VizFeatures: left align "Show X,Y,Z arrows" to be consistent with other tabs	y	Scott	Done	
3	Capture of an animation sequence appears only possible if key-framing or time stepping. Restore previous capability	n		closed	Need further discussion
4	Consider separating time animation and key-framing. They seem to be different things	n		closed	Needs further discussion
5	The Navigation/Animation tab centers many of the widgets (e.g. Frame Step Size). Elsewhere (e.g. Settings/VizFeatures) we left and right justify. Need to be consistent.	y	Scott	Done	
6	Left justify widgets on Navigation/View	y	Scott	Done	
7	The fidelity selector doesn't display well on the Mac. Could we replace with an integer (discrete) slider bar?	y	Alan	in-progress	Limit number of fidelity settings to whatever will be displayable on the screen (8?)
8	Contours/Appearance tab: Add slider bars for "line width" and "Text size".	y	Scott	Done	How do we normalize line width? Currently width is in terms of voxels (at highest refinement). Note that these settings should get an asterisk, and support saving to startup settings.
9	Contours/Appearance tab: left justify	y	Scott	Done	
10	Large numeric values (e.g. some data domain coordinates/sizes) often aren't legible. For example, load KatrinaMaster.nc, enable contours, and examine the "user extents" on the Contour/Layout tab. We should have a user preference that specifies a C style formatting string that is used for all numeric values that have the potential to be large.	y	Alan	Done	Specify number of digits. See if that works. May look at C format string or other options. Consider table layout with cells with borders.

11	Crop any bounding rectangles (e.g. Contour layout) to the domain bounds so that when they're rotated under stretched coordinates the result isn't an unusable region that extents far outside of the domain.	y	Alan	Done	Try simple thing first: crop to twice the domain size.
12	With VDC3 there is sufficient metadata to determine which variables are vectors (usually). We should exploit this to make better choices for default variables for the barb and flow renderers	?		post-poned	If possible. Need to explore CF metadata properties.
13	Provide a slider bar for Contours/Appearance "barb thickness"	y	Scott	Done	Need asterisk too.
14	Make TF editors consistent between tabs. Contour uses label "Histo Bounds", while Barbs uses "TF domain bounds".	y	Scott	Done	
14.1	Barbs has "discrete color map" option, Contour does not. Barb does not.	y	Scott	Done	
15	The height variable on the Barbs/Variables table is named labeled "height". But on the Barbs/Layout tab it is labeled "terrain". Be consistent.	y	Scott	Done	
16	The default render name shown in the "Select new renderer" box should be the actual name that will be used, not "Renderer Name"	y	Alan	Done	Not easy to do because name is not available when dialog is presented . Instead provided blank text with tooltip.
17	Make the default barb thickness larger. The default is very hard to see	y	Scott	Done	
18	Use a unitless number for the barb length scale factor. E.g. The first time the barb tab is enabled determine the max (or maybe average) vector length. Compute a scaling factor that yields a max (or average) vector that is some fraction of the domain size (e.g. 1%, 5%). Map this to the "Barb Length scale factor" equal 1. I.e. the default scale factor is always 1, and this results in a max (average) vector length of some % of the domain size.	y	Alan	Done	May need to do some experimentation to decide default internal scale factor (what get's displayed to the user should be a 1.0)
19	Explore preventing subtab selectors from scrolling when scroll bars are present in a tab.	y	Scott	post-pone	Priority may not be so high if tabs with scrollbars are redesigned to not need scroll bars. Not easily doable.

Notes

1. It's difficult to evaluate the Animation tab while it is not working.
2. What are "domain-defining variables" on the Region tab, and why are they needed?
3. Are "global settings" useful?