Creating a parameter file for Translator

1. Copy star.param file from Builder/translator directory to work area

2. Open star.param

2.1 Edit Star.cel, Star.vrt, and Star.usr to show where they are located

2.2 Change scalarname lines to respective scalars

2.3 For StarCD, "writeoption" should be Option 1

2.4 Enter one of the following on the scale index line:

Enter:	**For scale factor of:**
0	No scale, corresponding to a scale factor of 1.0
1	Custom scale, indicating that the SCALEFACTOR tag will be used to specify a scale factor
2	Meters to feet, corresponding to a scale factor of 3.28
3	Millimeters to feet, corresponding to a scale factor of 3.28e-3
4	Inches to feet, corresponding to a scale factor of 1.0/12.0
5	Meters (1:12) scale to feet, corresponding to a scale factor of 12.0*3.28

2.5 VR space is always in feet, so the scale factor tag must be in feet.

3. Save and close

4. Enter "vedemo"

5. Enter "translateToVtk" in your shell

6. Select data type to convert

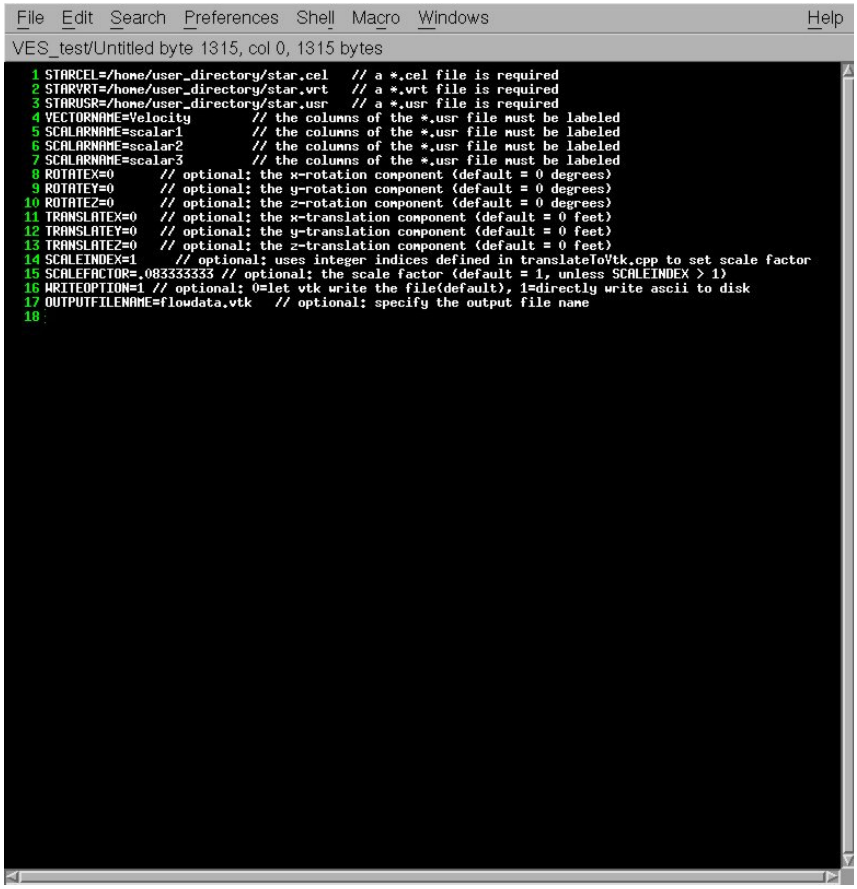
7. Name the file

8. Enter "mergeVertices"

8.1 Enter file name for input

8.2 Enter file name for output

Note: After the mergeVertices step, you may get the following error message: "vtkDebugLeaks has detected LEAKS!" This is normal.



Note: take note of orientation (size, etc.) and correct in VE-Xplorer parameter file if necessary*

9. Run meshViewer for visual verification of the location of the converted data

10. Run WhatIsScalarRange for information on data set type, bounding box, and scalar and vector**

10.1 Enter file name for input

10.2 Input shrink factor

11. Enter the integer corresponding to the scalar you want to activate

12. Pick an option for displaying cells

13. Manipulate the display views with the mouse:

--left: rotate

--right: zoom out

--middle: translate

14. Keyboard shortcuts:

--T: toggles mouse between joystick and trackball modes

--E: exit

*optional
**optional but recommended

Preprocessor