

Figure 1-Contour_Cloud

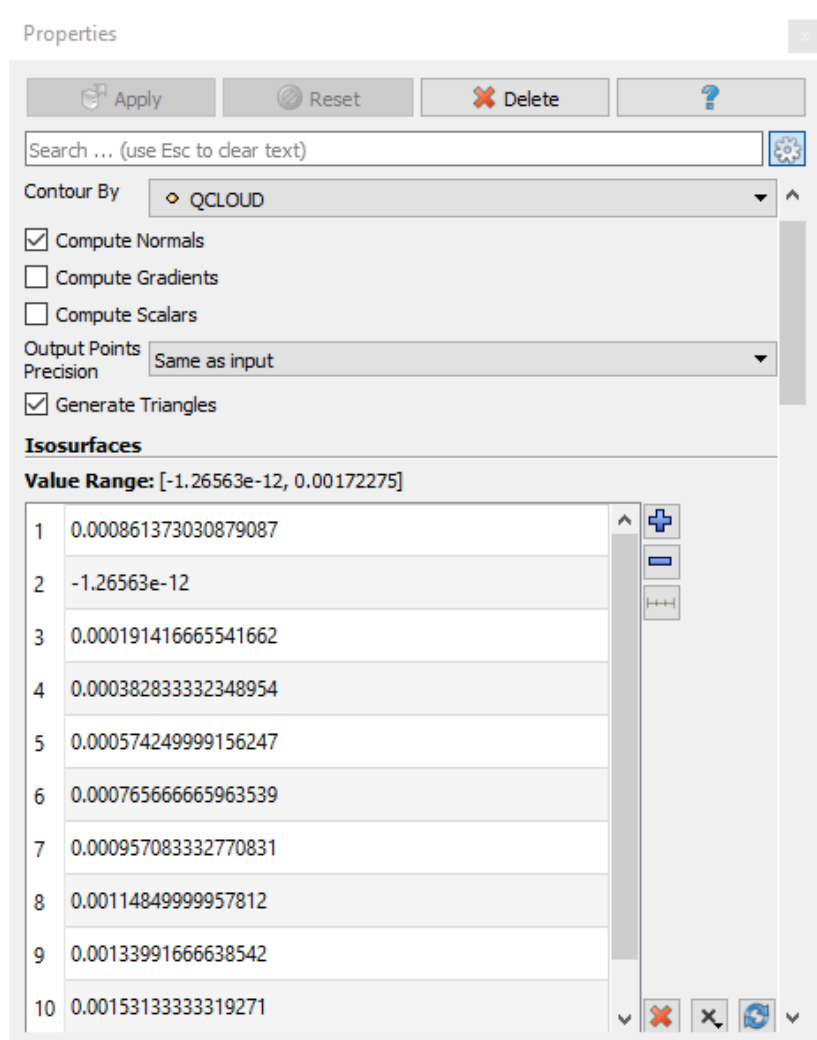
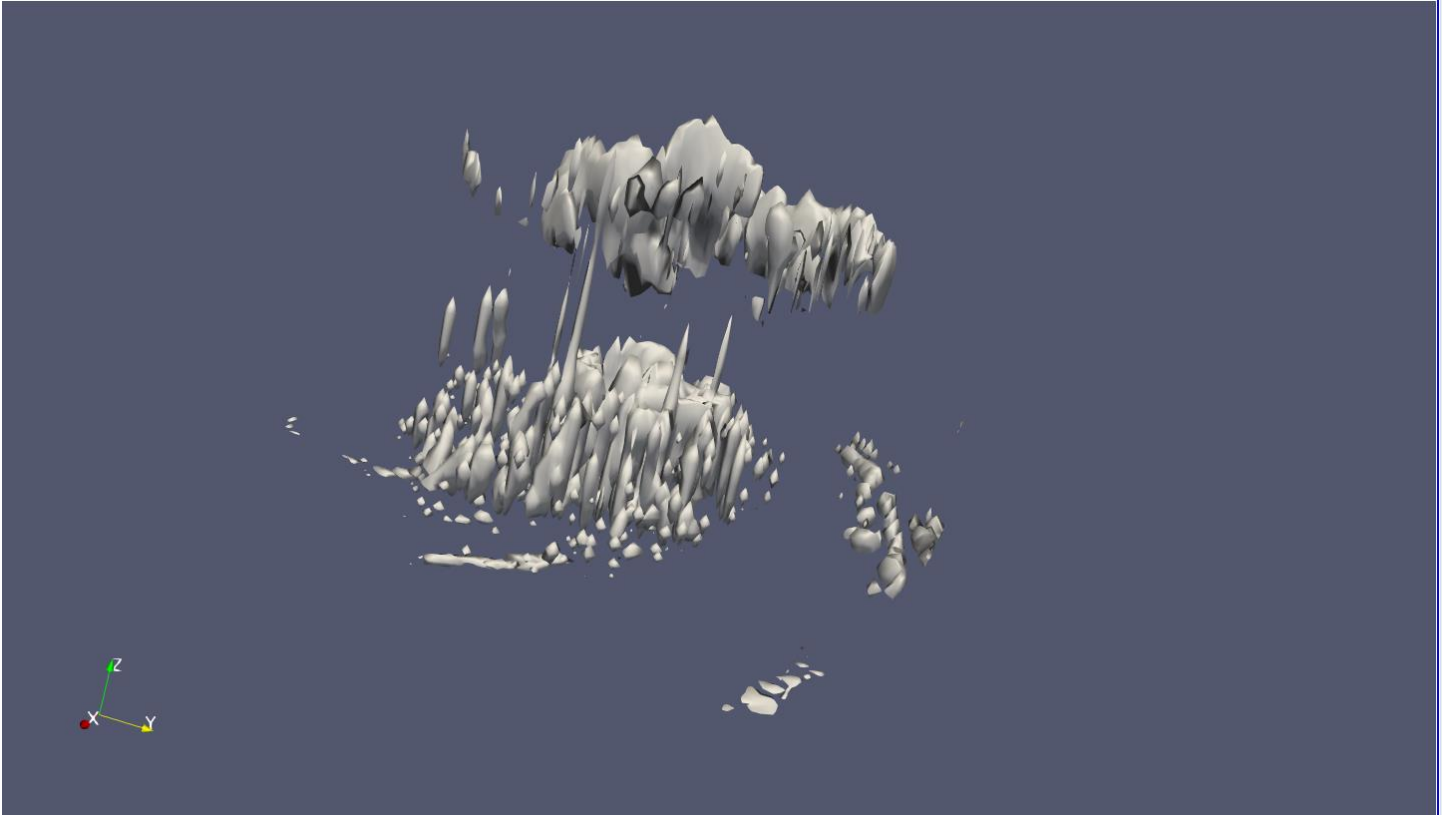
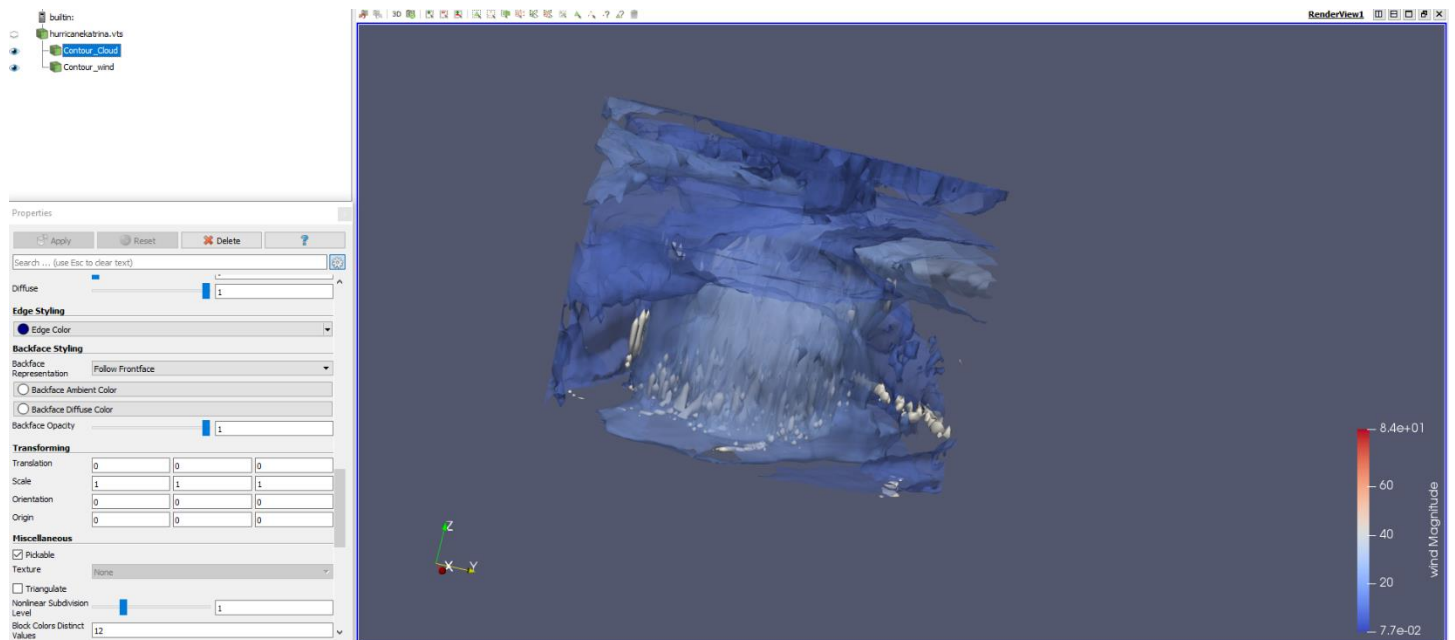


Figure 2-Properties panel for Contour

*Figure 3-Contour view**Figure 4-different view*

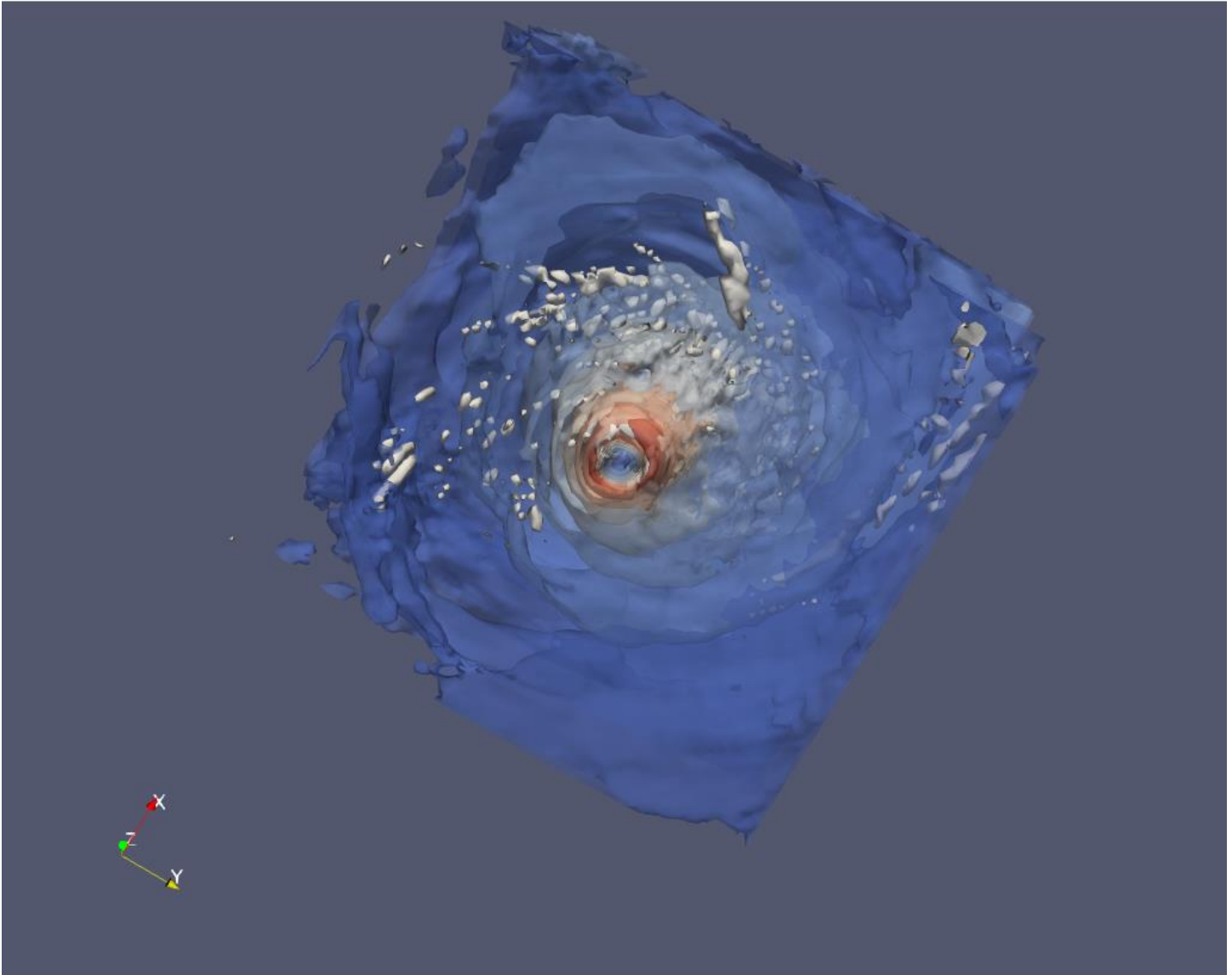
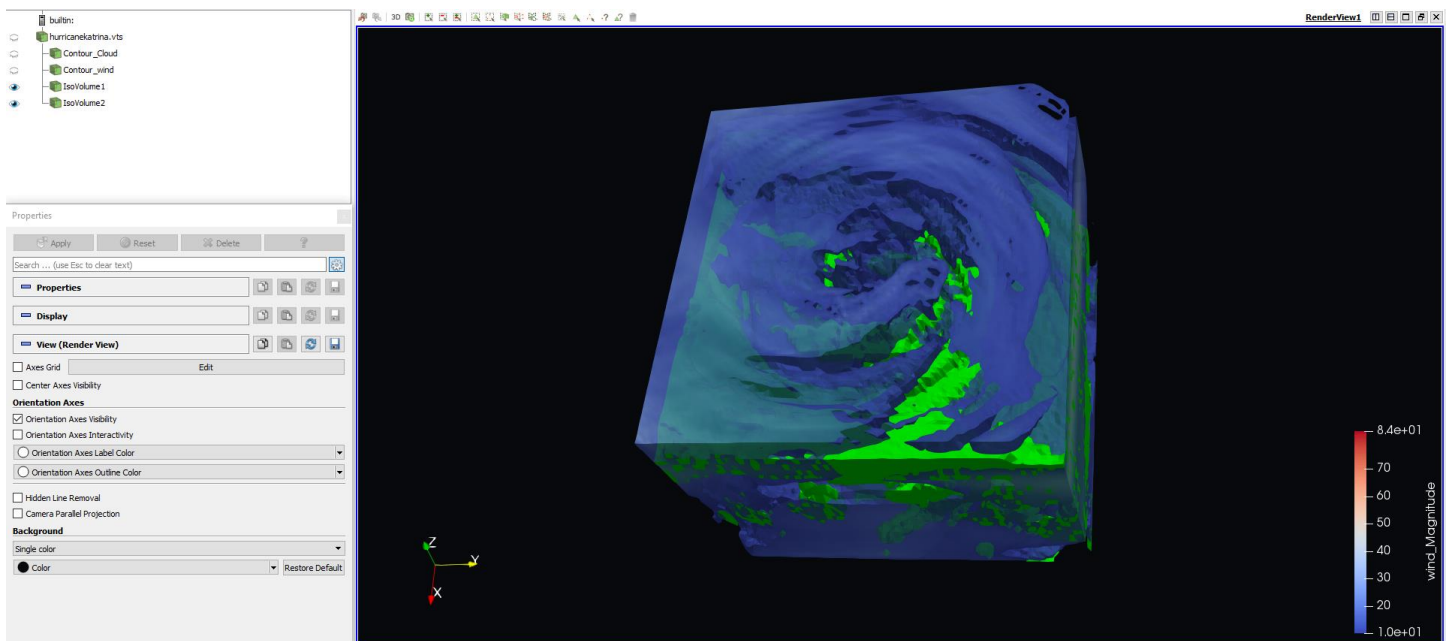
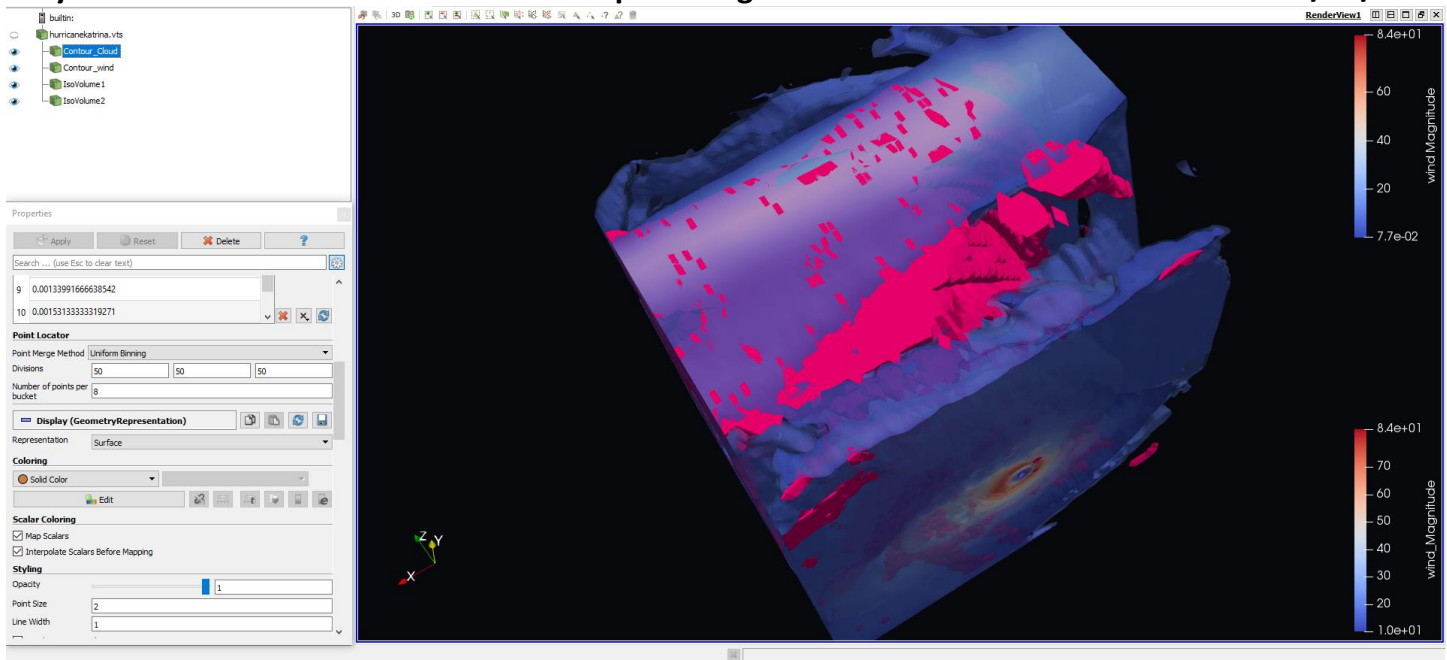


Figure 5-





Part1 Detail:

Scalar Field Visualization

After I run the dataset. I create isosurface for Qcloud, also I changed the color as well. I added isovolume two times and I reduce the opacity and. I changed the scalar number for min to 10 and I kept the number for Max.

Part 2 Details:

Multi- Field Visualization

After I run the dataset, I add the Contour for wind and cloud. Also, I add Iso Volume for wind and cloud. For creating Streamline we need to use the Stream Trace. For creating good Streamline we need to make sure that the 3D structured grid is the active data, after that we just need to click on Stream Tracer filtering I con on the toolbar. The stream Tracer is more complicated than previous Contour. There are two sections we can use to create seed for Streamline, the one allows you to modify the integration properties of the Stream Tracer filter. The second one seeds, allows you to specify the creation of seed points on the streamline.

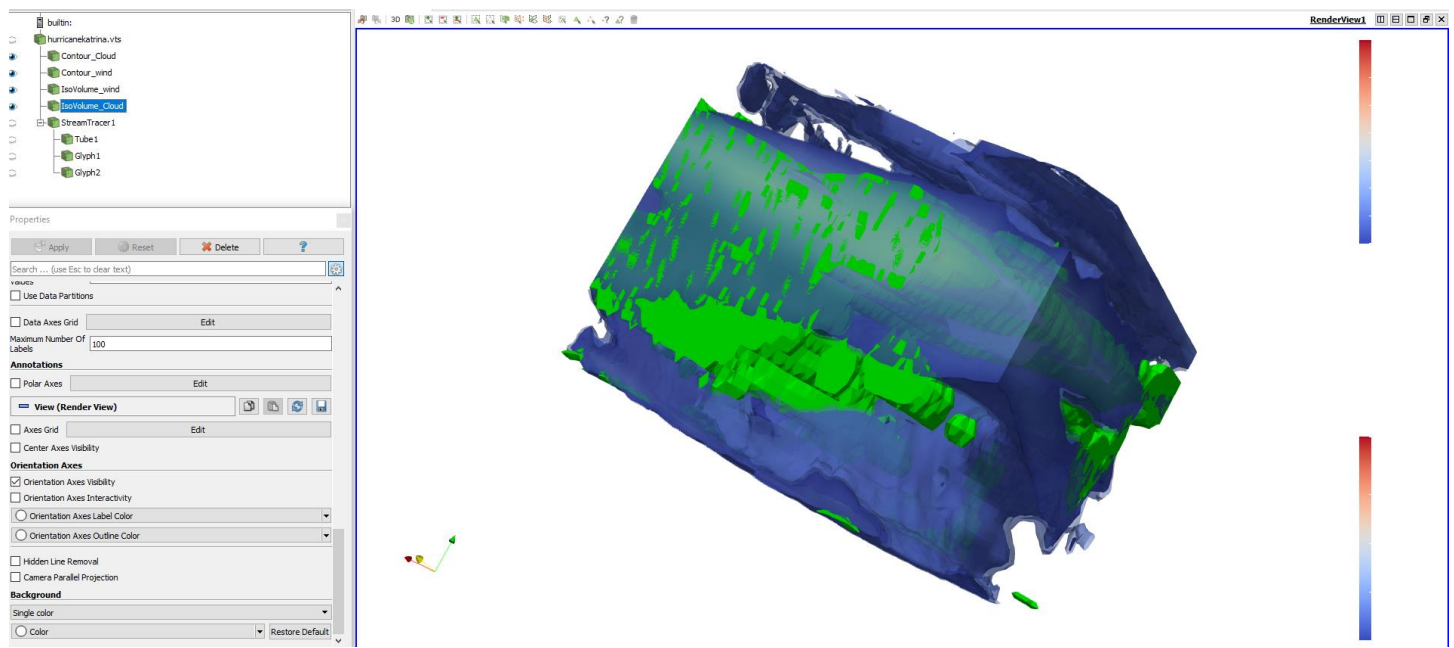


Figure 6-Contour_Cloud, Contour_Wind, Isovolume_wind, Isovolume_Cloud

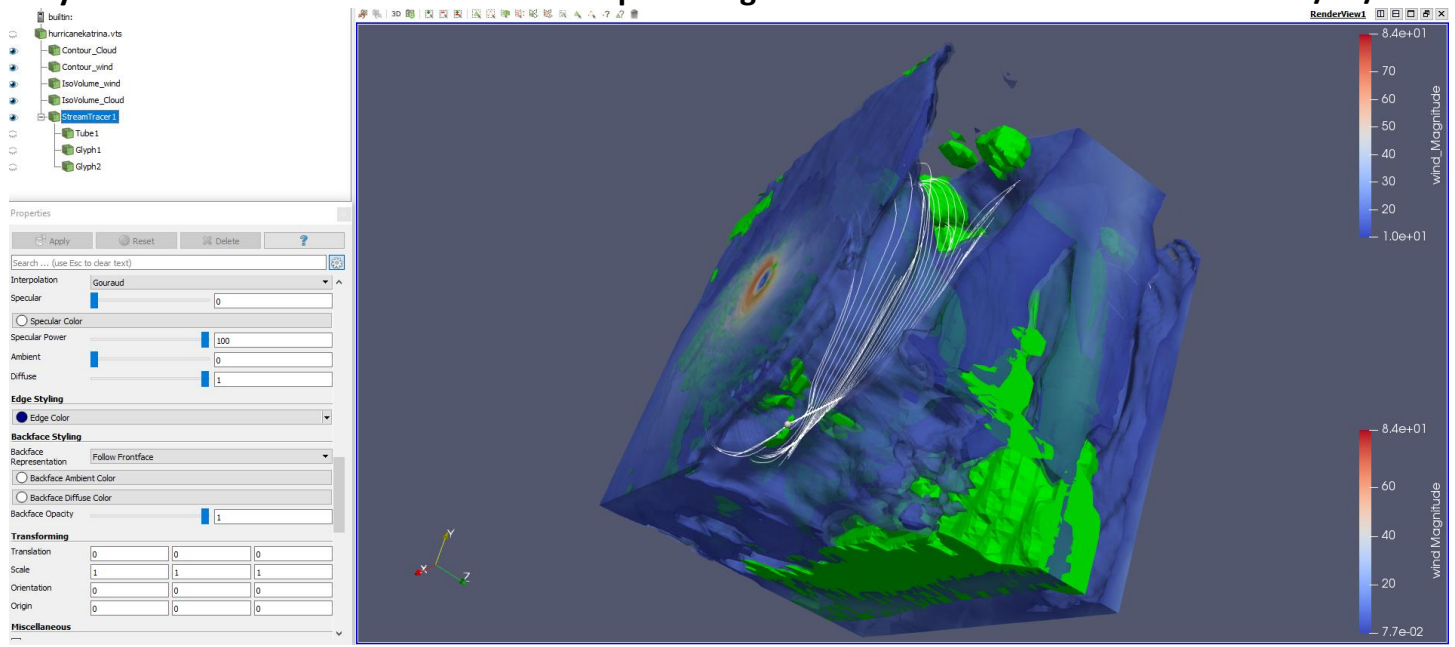


Figure 7- Like Figure 6 with StreamTracer

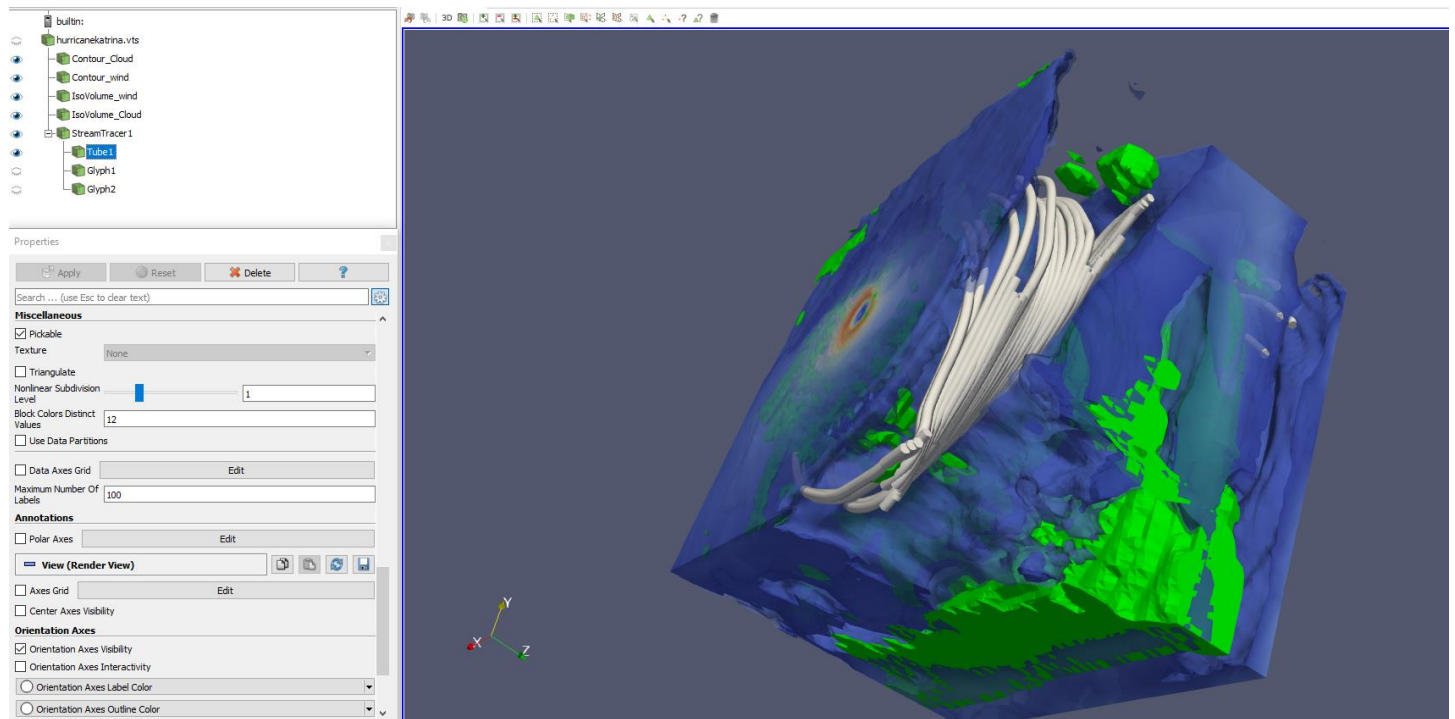


Figure 8-With Tube

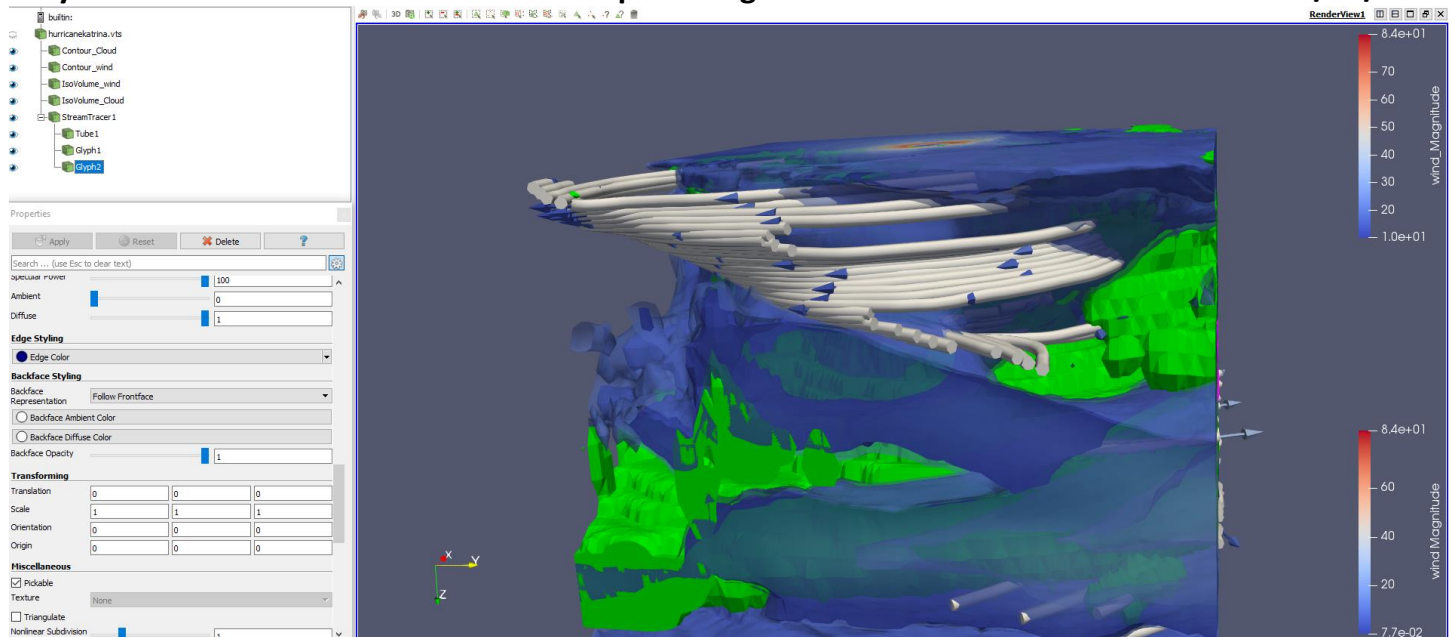
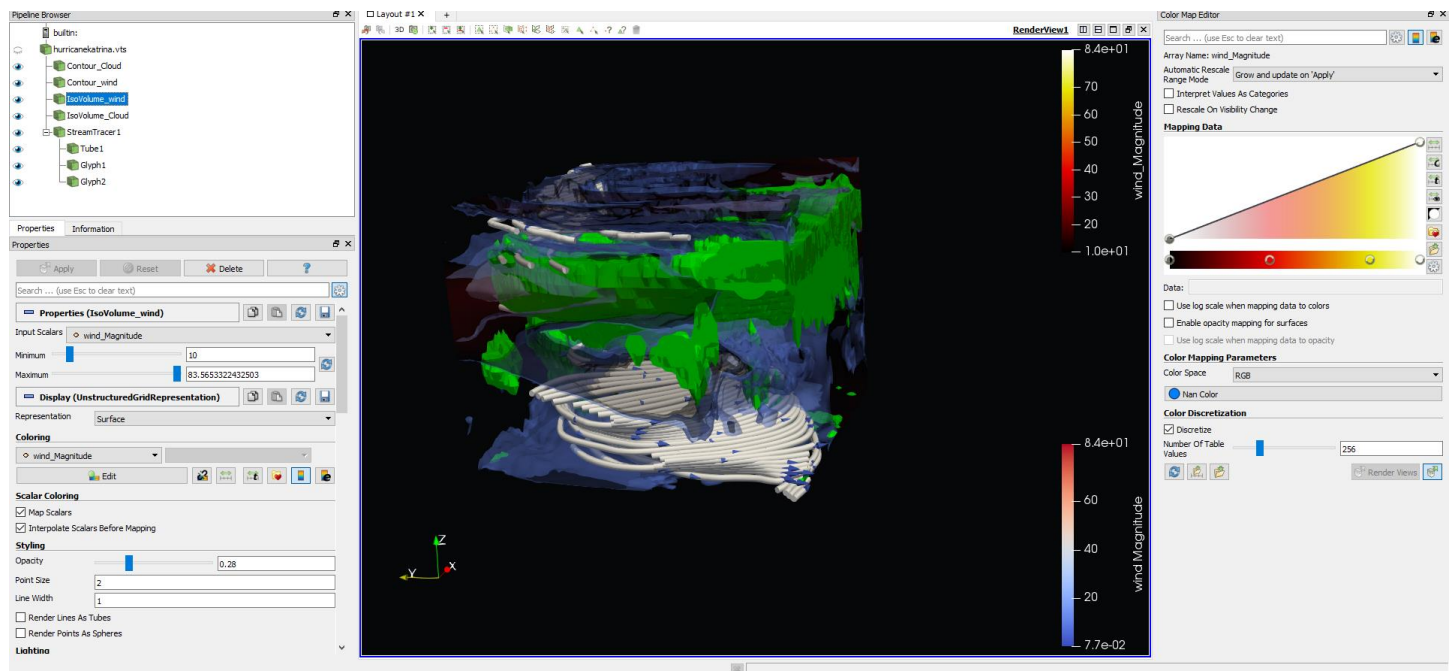


Figure 9-With Glyph1 and Glyph2



Part 3 Details:

Multi-Field Visualization

It is hard to add Iso Surface and Iso volume rendering on QCLOUD. Basically volume rendering is a technique that we can use to display a sampled data set. Also Iso surface is appoints of a constant value within a volume of space or is a set of a continuous function on 3D space.

