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VR & Data Visualization – Assignment 3:

Default run (code as submitted) has isosurface = .75

To change the value edit the line skinExtractor->SetValue(0, #value<1);

Comment out aRenderer->AddActor(skin); if you only want to see probing.

Probing: saggital: 4,4 , axial: 4,4 , coronal: 3,3

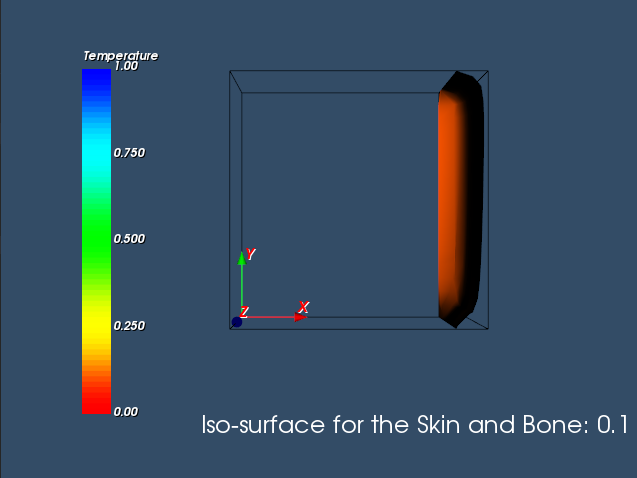
Comment out the SetDisplayExtent line and replace with the segment area that you would like to use. You can have all 3 display at once or can limit to displaying just one by commenting out

aRenderer->AddActor(#nameOfAxis);

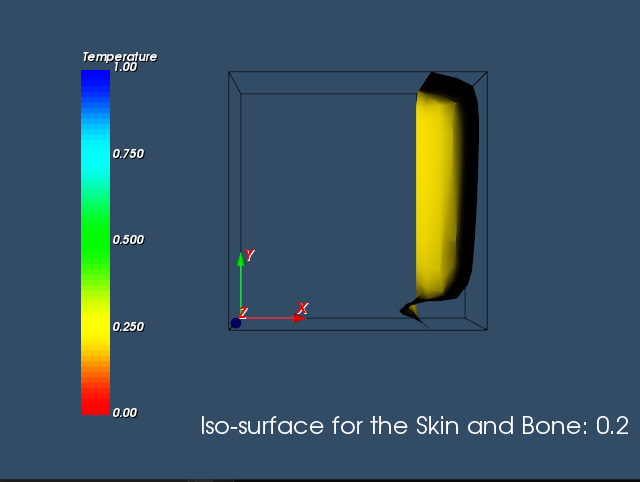
ISO-SURFACE EXTRACTION:

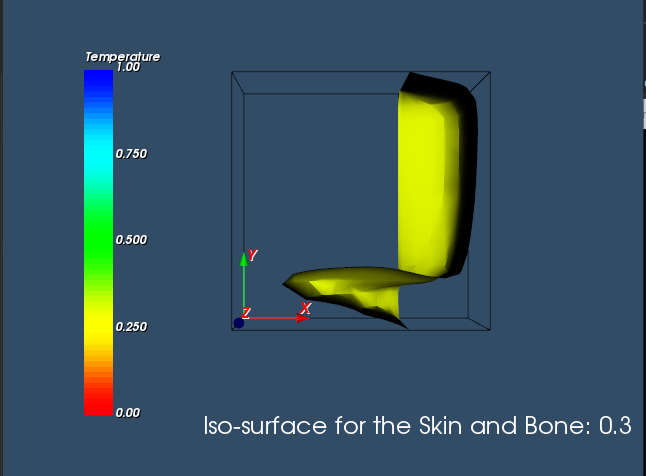
**Part A:**

Iso-Surface Extraction: 0.1

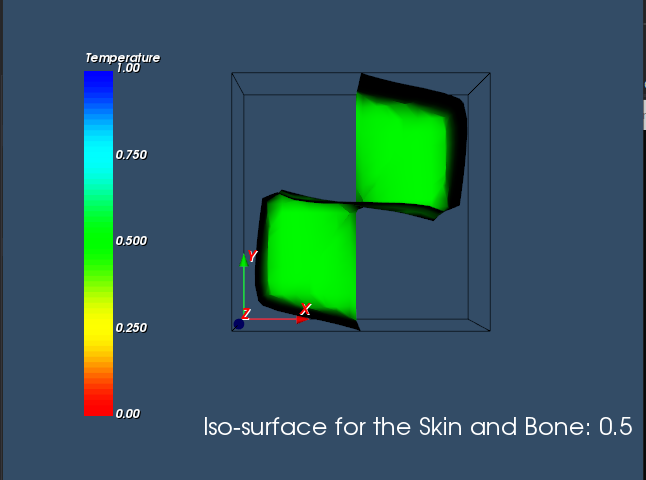


Iso-Surface Extraction: 0.2

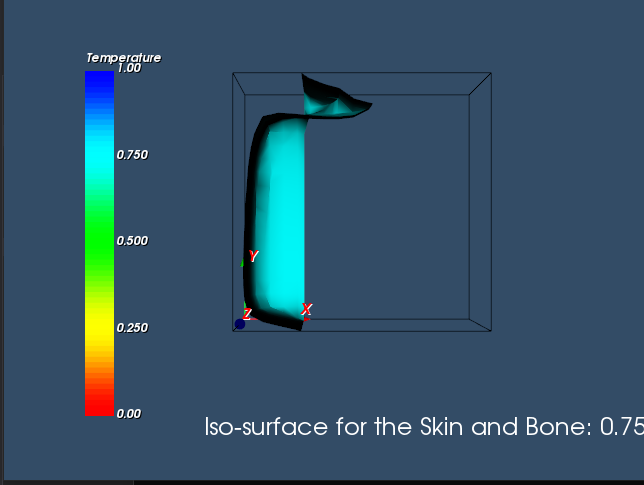


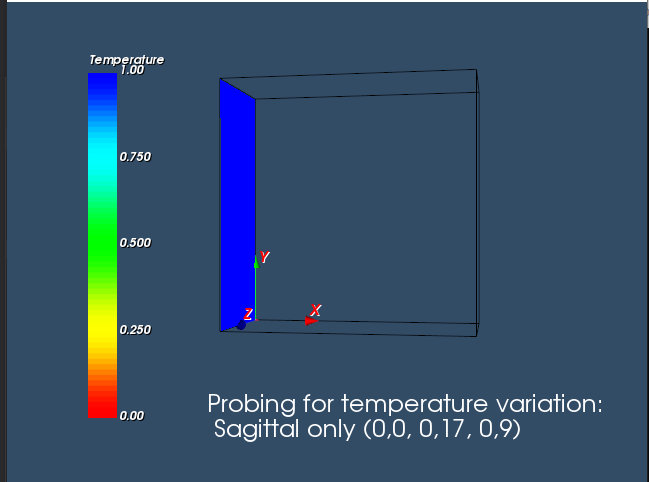
Iso-Surface Extraction: 0.3

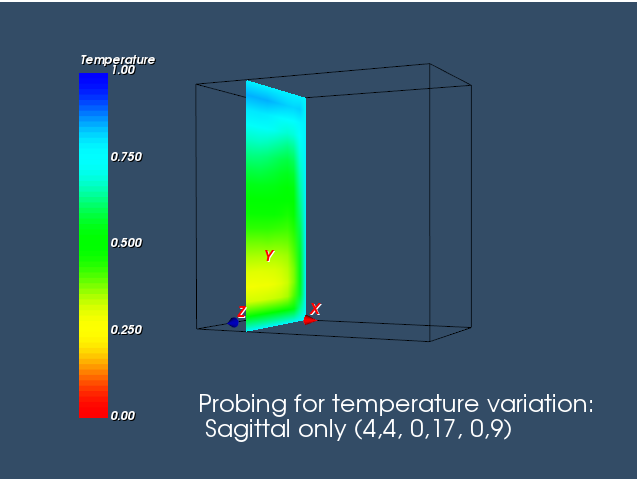
Iso-Surface Extraction: 0.5



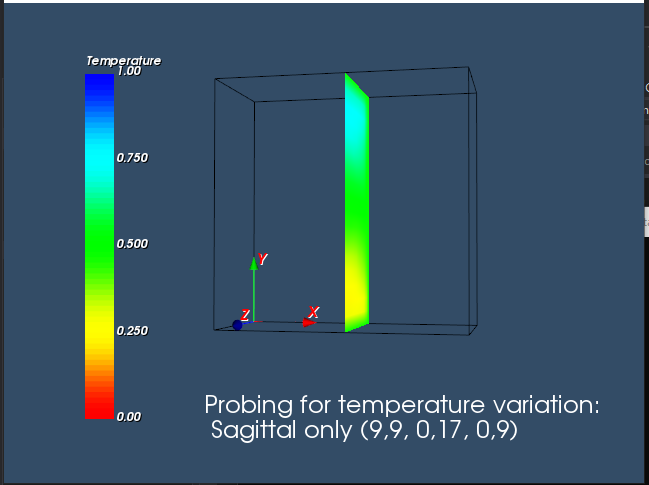
Iso-Surface Extraction: 0.75



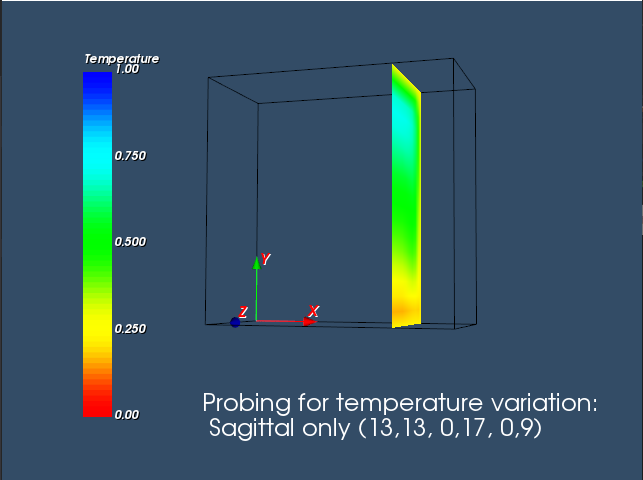
**PROBING: Sagittal Only** (0,0, 0,17, 0,9)****

Sagittal Only: (4,4, 0,17, 0,9)****

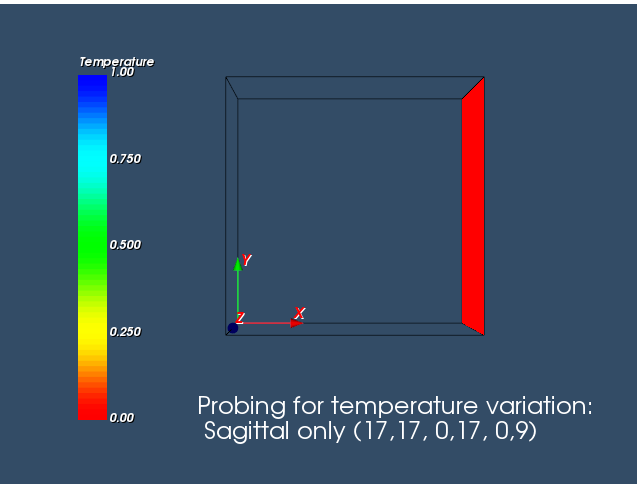
Sagittal only: (9,9, 0,17, 0,9)



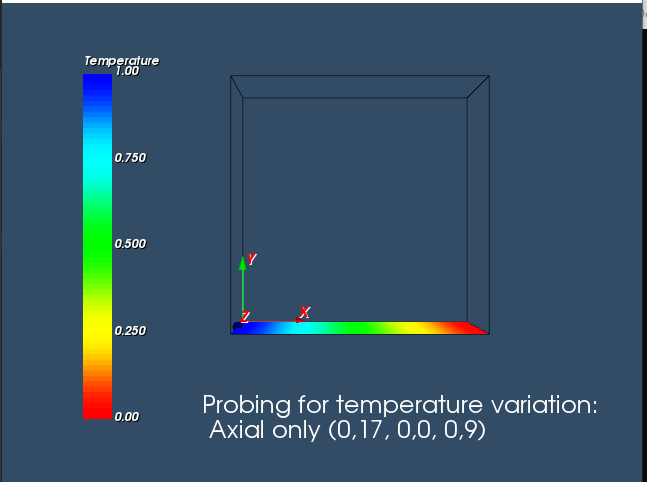
Sagittal only: (13,13, 0,17, 0,9)



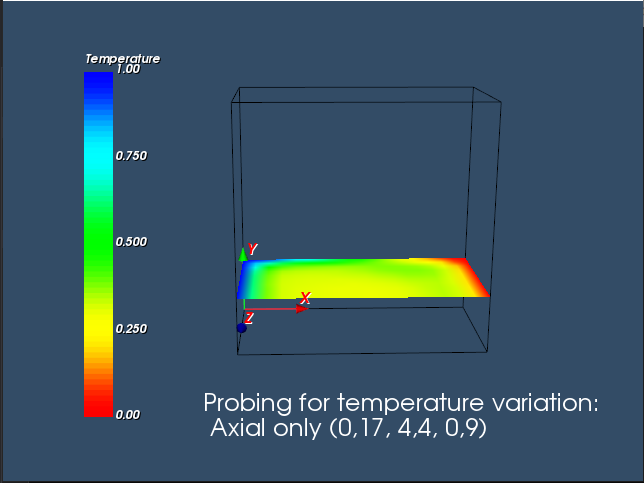
Sagittal only: (17,17, 0,17, 0,9)



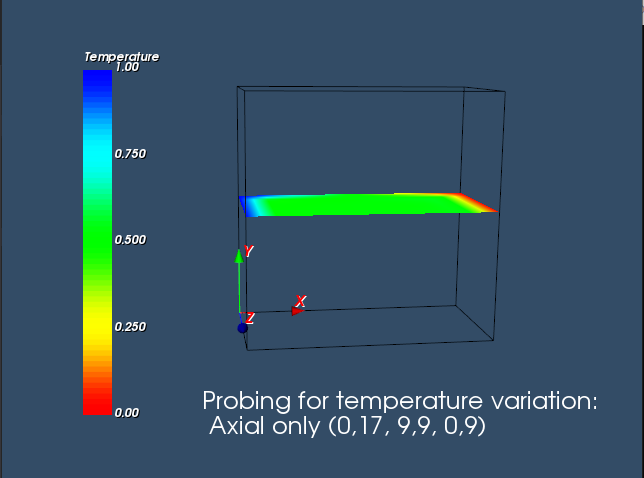
**Axial only: (0,17, 0,0, 0,9)**



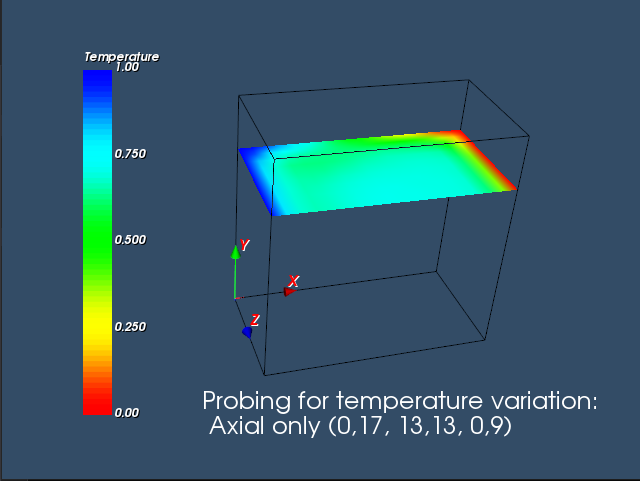
Axial only: (0,17, 4,4, 0,9)



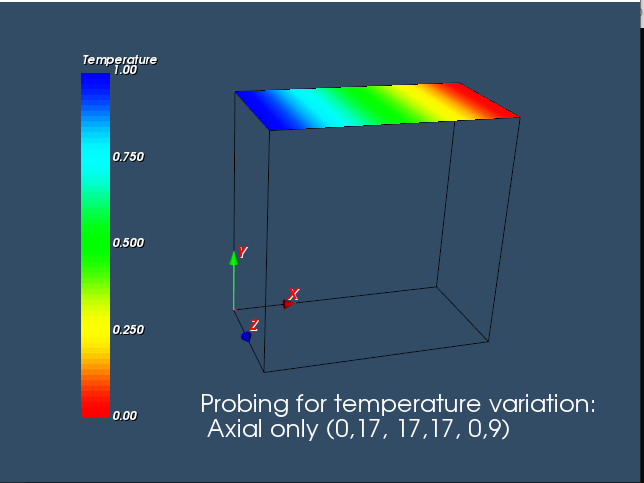
Axial only: (0,17, 9,9, 0,9)

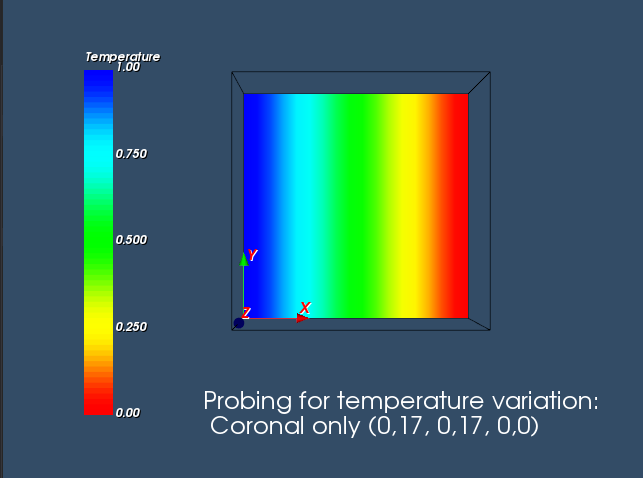


Axial only: (0,17, 13,13, 0,9)

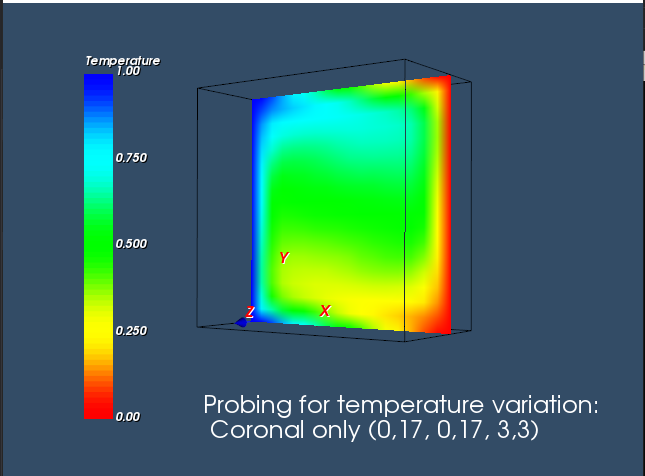


Axial only: (0,17, 17,17, 0,9)

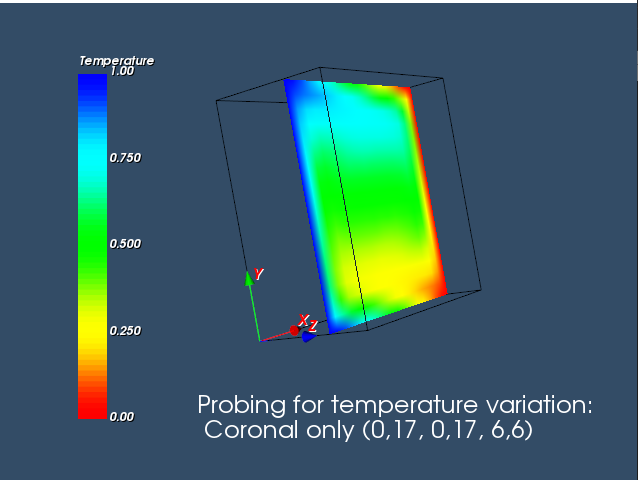


Coronal only: (0,17, 0,17, 0,0) 

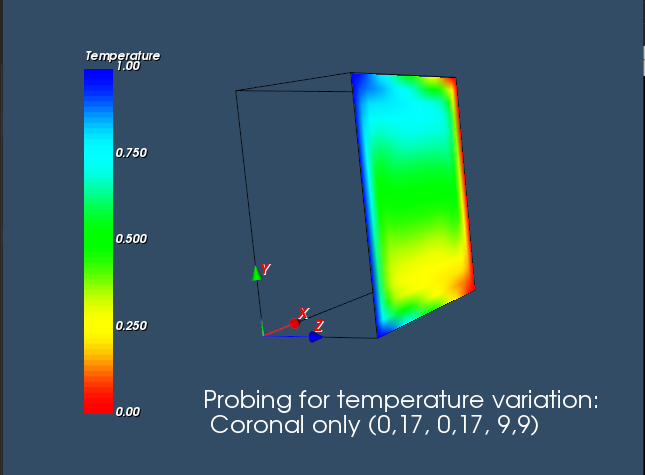
Coronal only: (0,17, 0,17, 3,3)



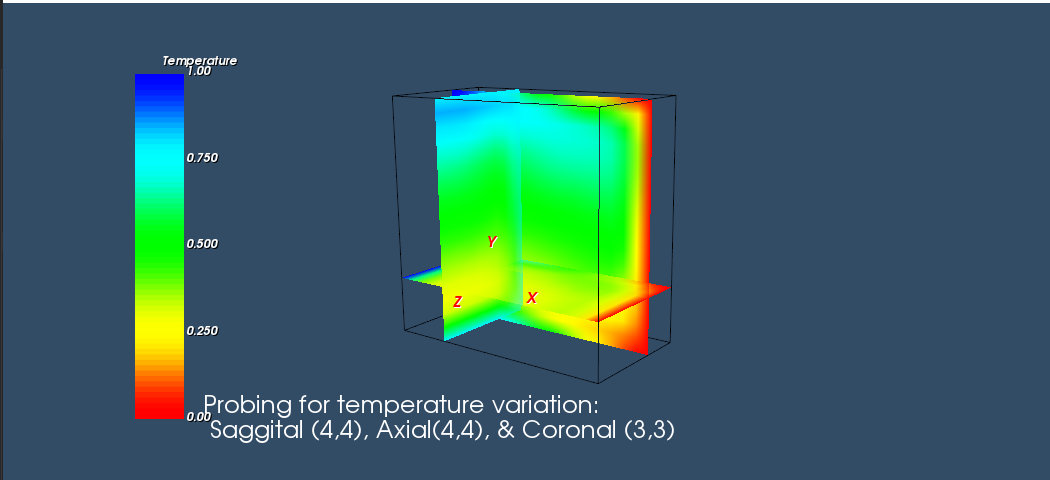
Coronal only: (0,17, 0,17, 6,6)



Coronal only: (0,17, 0,17, 9,9)



All 3 probing intersections:



Submission: leaves both isosurface and Probing information in so will look like this when loaded:

