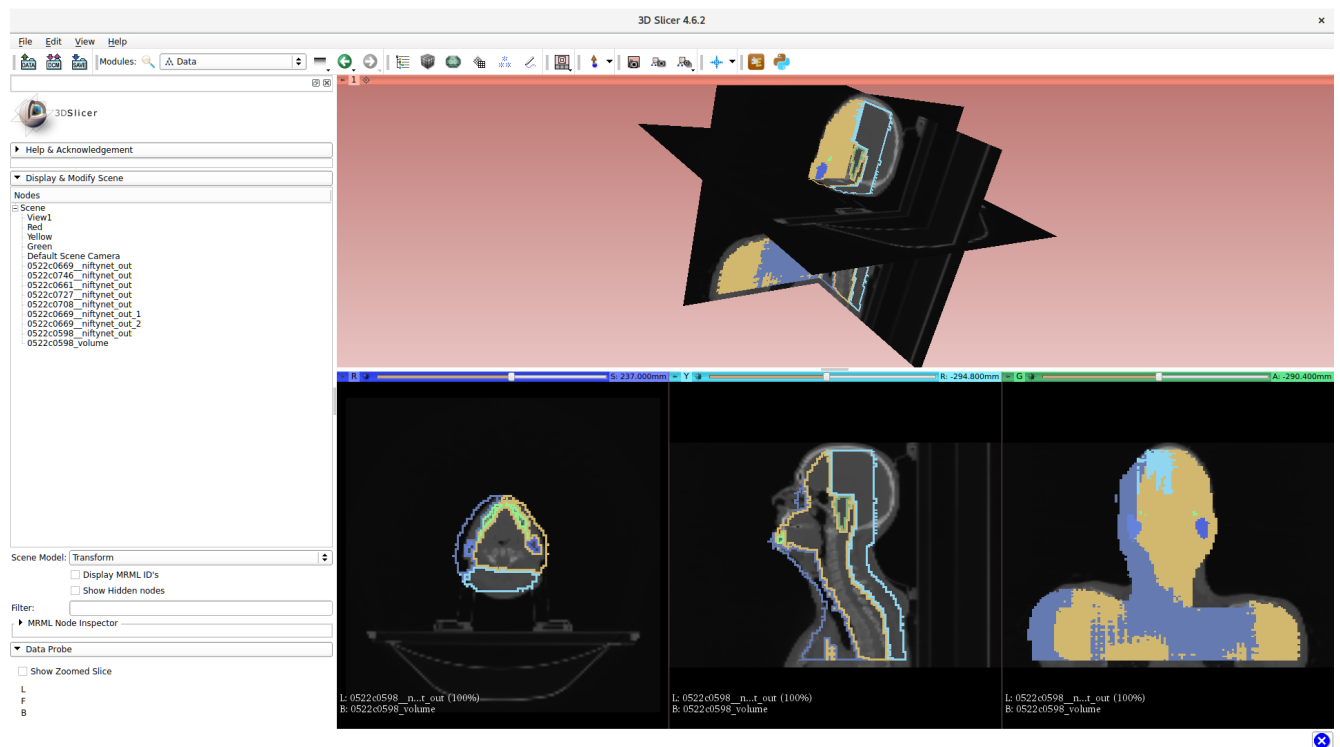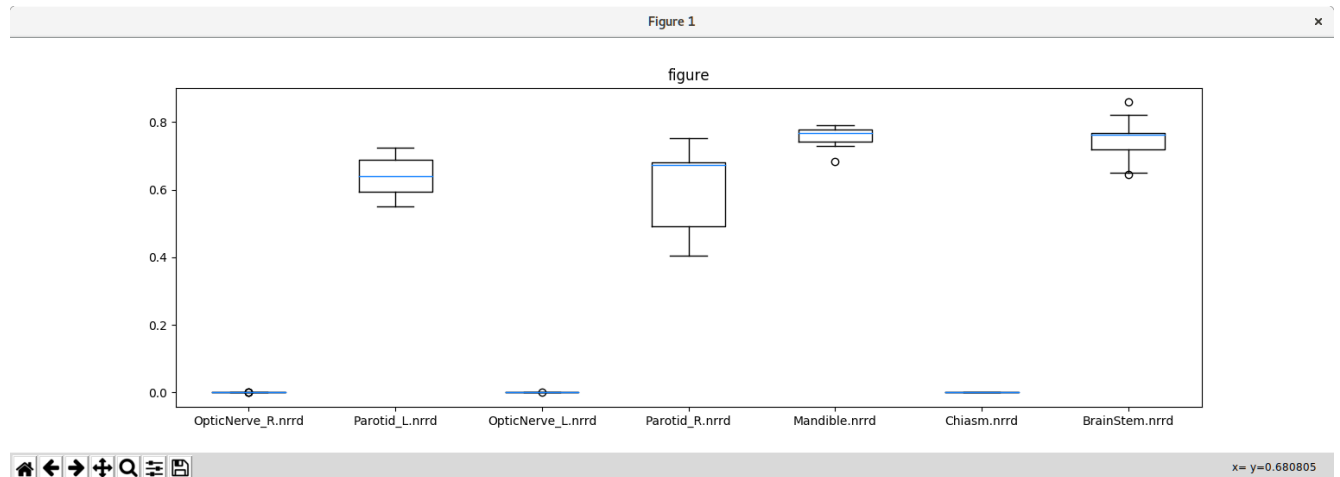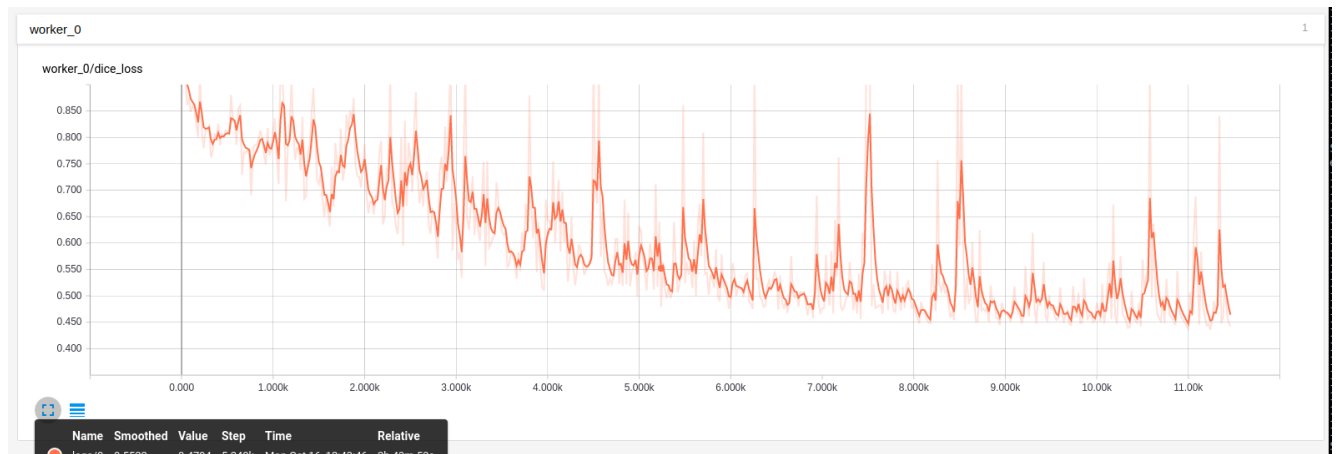# KW42 NiftyNet

- Pullrequest for fixing ordering in config is merge. Elastic deformation is also partially merged.
- Resizing to volume wich maximally fittes to gpu did not really work
- Now for first iteration best results can be created using 1/4 of the reseltuion in x,y direction and keeping the z direction as it is (like that all organs still exist)
  - Best run: Dice, 0,0001, 48³ patch, 8 batch, 1024 samples, weigted sampling with frequency map beeing the foreground after otsu

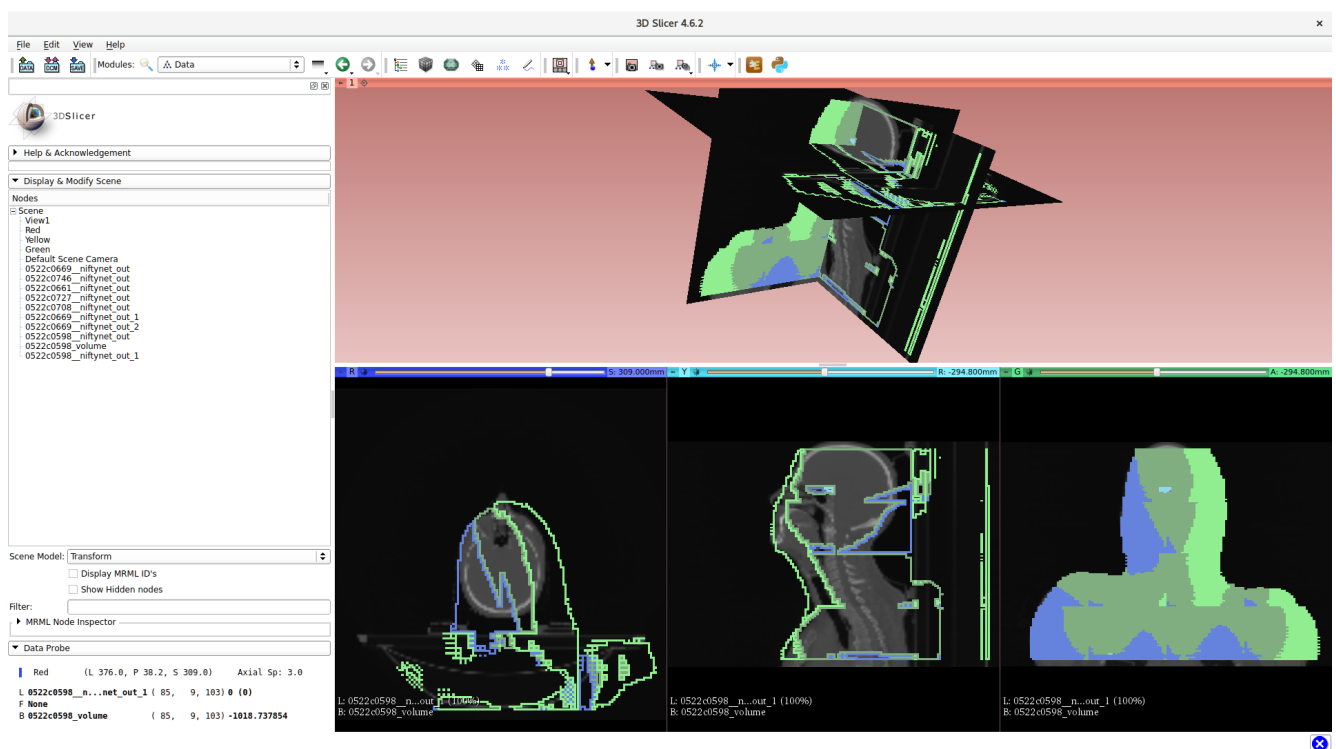 Ordner -> /home/elias/Dokumente/head_neck_seg/NiftyNet/models/quatersize_fullct_dice

o

Best results unsing the GDSC (modeldir = quater_gdsc_4): GDSC, 0,0001, 48^3, 512 samples, batchsize 5, using weighted sampling and the frequency map beeing the labelmap (which is a problem) but the paper stats that a ratio of 0.02 and a small batchsize generates the best results

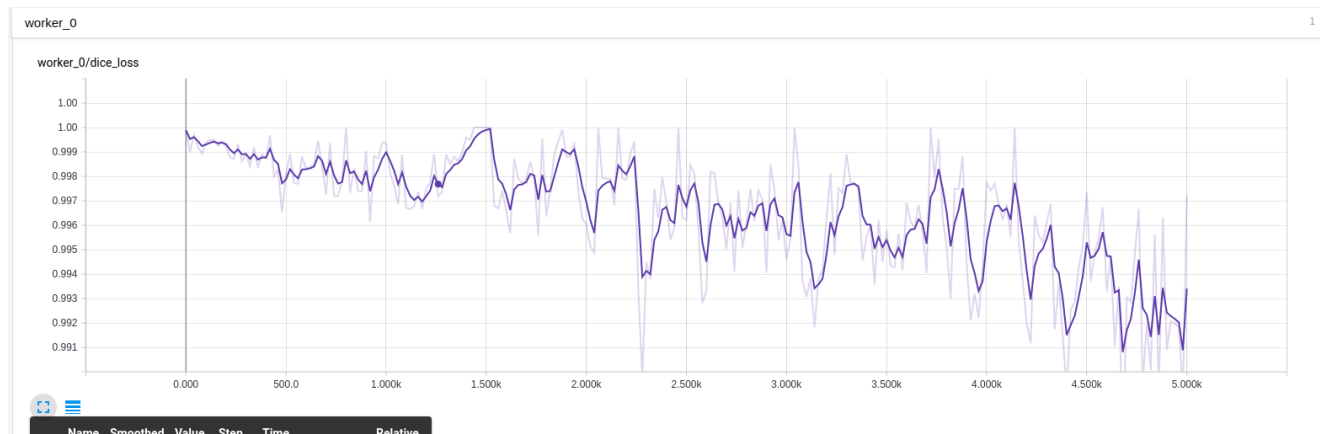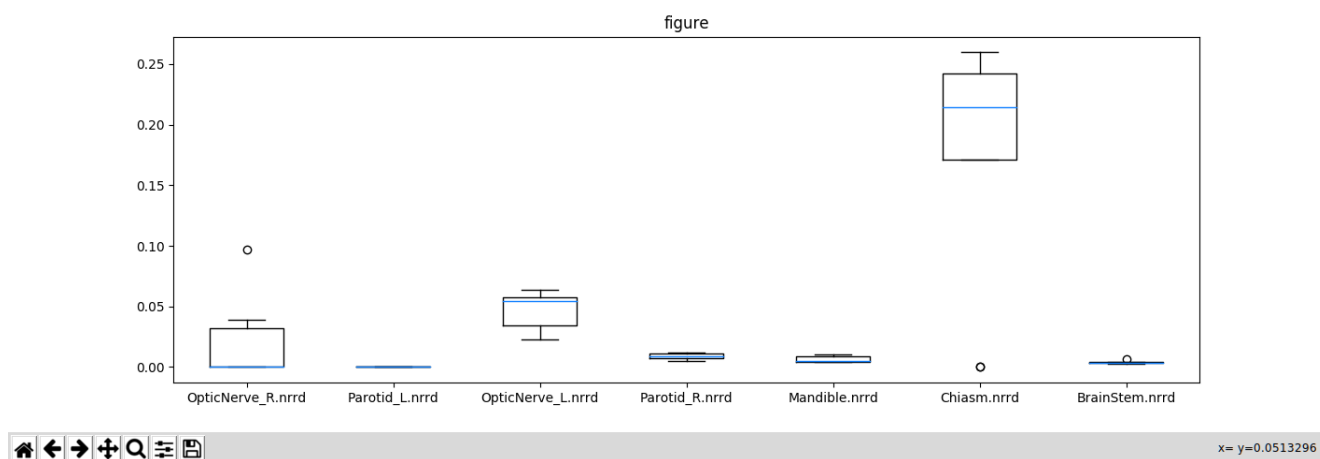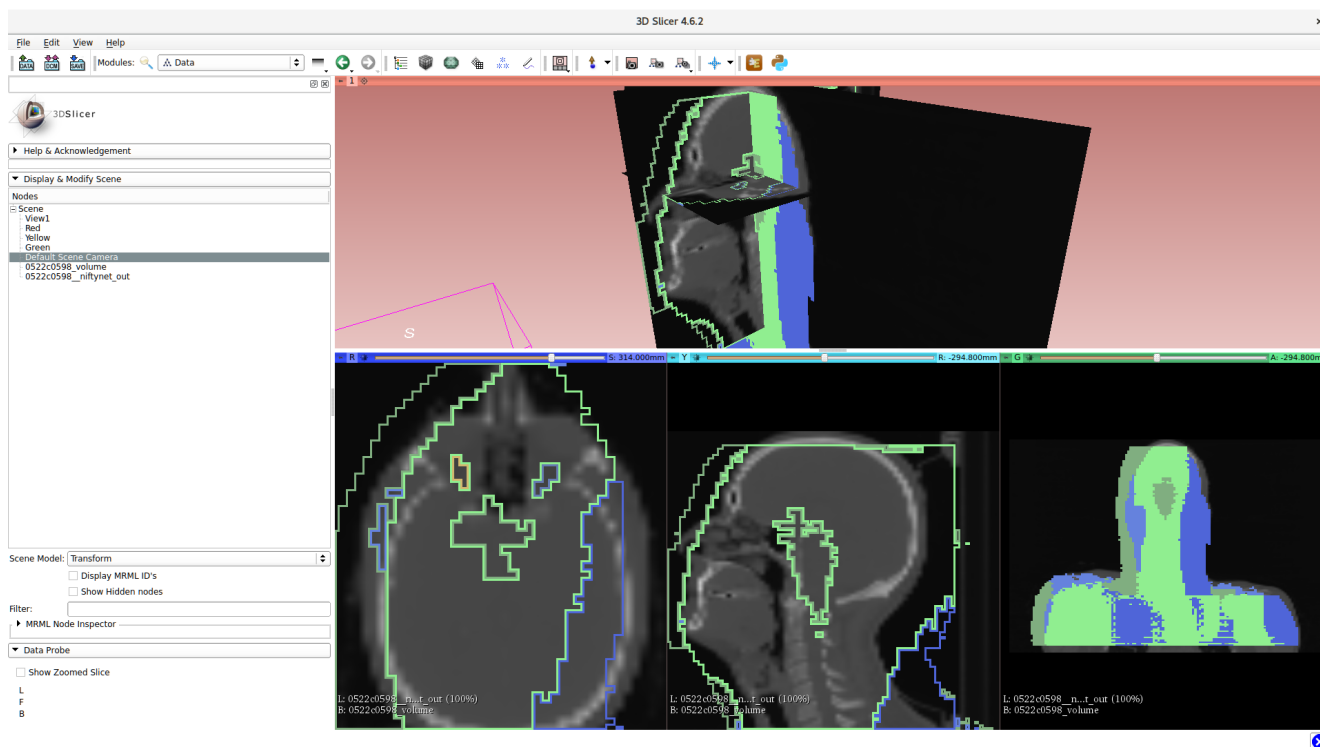Ordner -> /home/elias/Dokumente/head_neck_seg/NiftyNet/models/quatersize_fullct_gdsc_4

Ordner -> /home/elias/Dokumente/head_neck_seg/NiftyNet/models/quatersize_fullct_gdsc_5 same setting as above but trained longer:
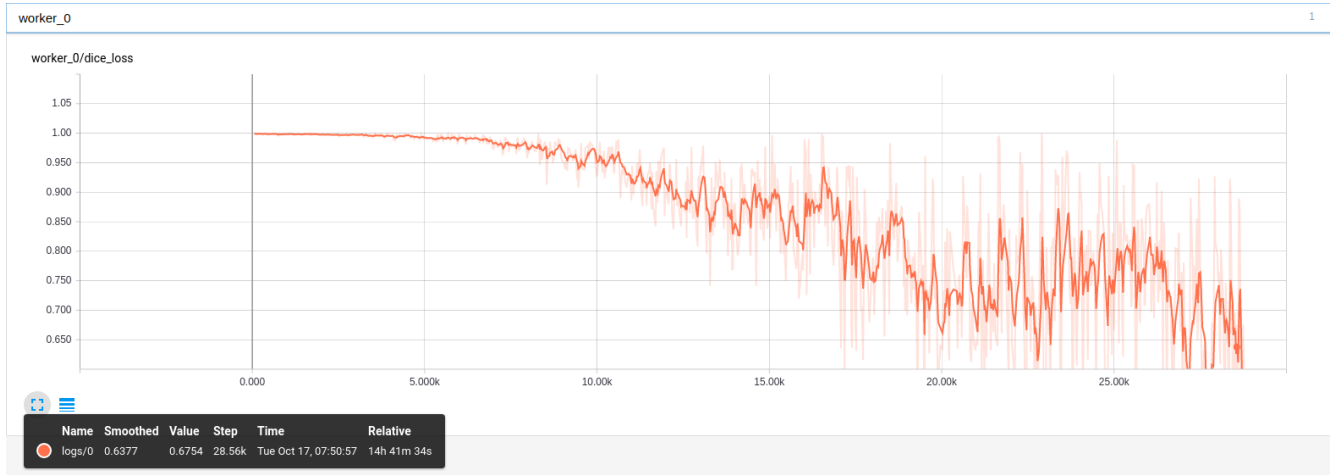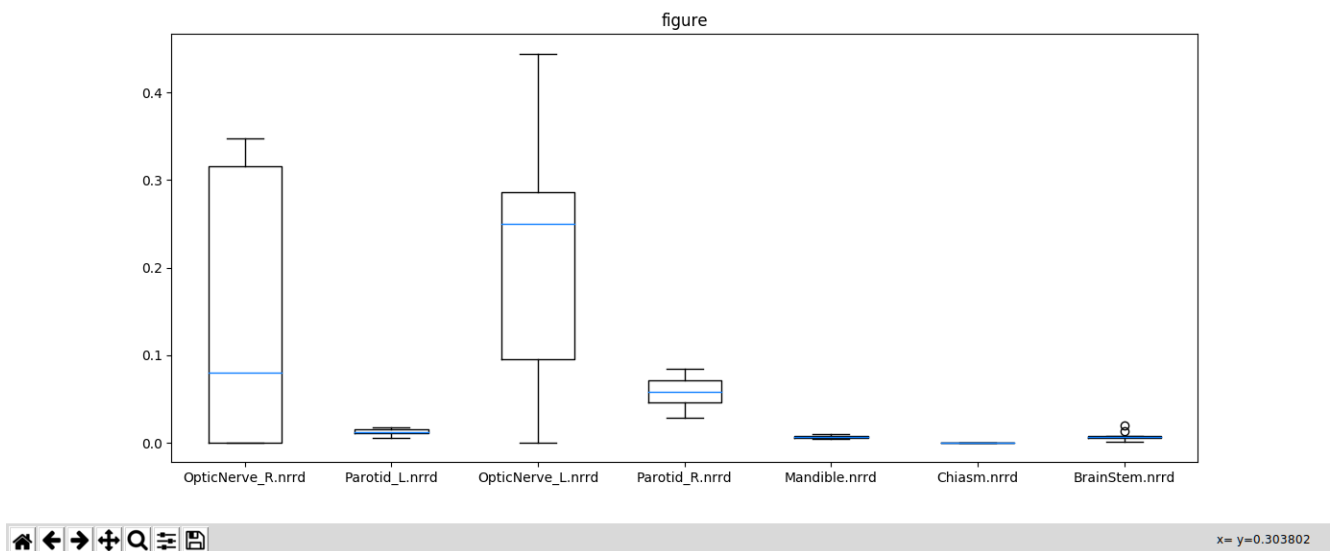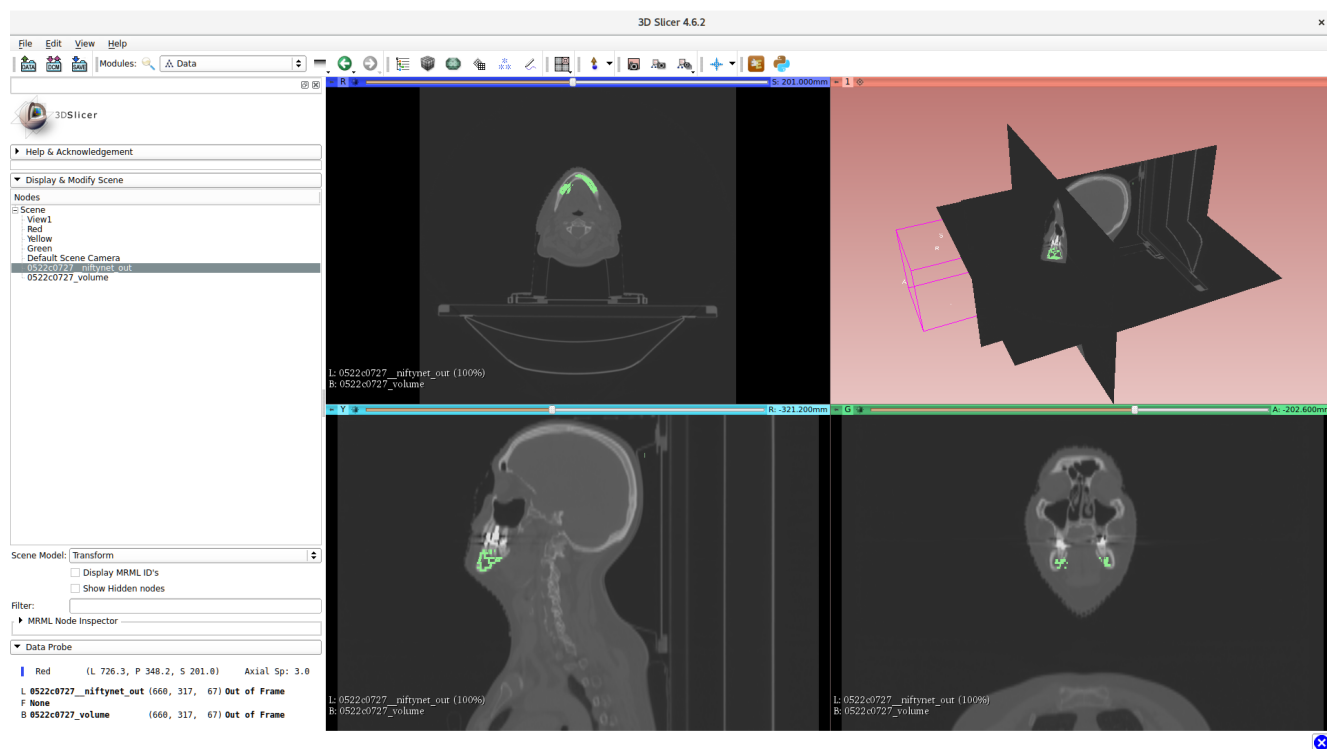
- Try to reproduce working results from before holiday:
  - ordner -> /home/elias/Dokumente/head_neck_seg/NiftyNet/models/fullsize_dice_0.01
  full size, 969*72, 64 samples, batchsize 1, lr 0.0.1

  -

- ○ ordner -> /home/elias/Dokumente/head_neck_seg/NiftyNet/models/fullsize_gdsc_0.0001
full size, 96*96*72, 64 samples, batchsize 1, lr 0.0001, gdsc

worker_0

worker_0/dice_loss