

Summary of Results - 2019-05-03

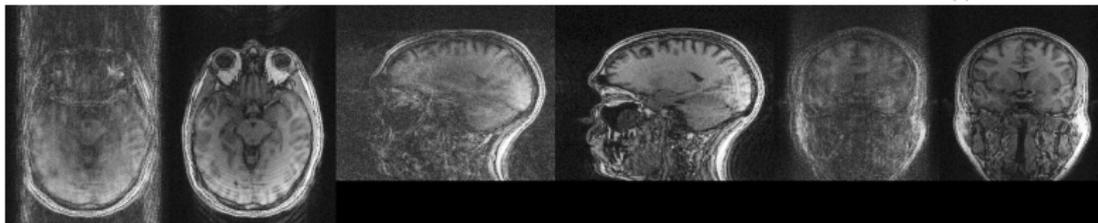
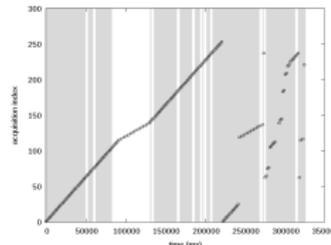
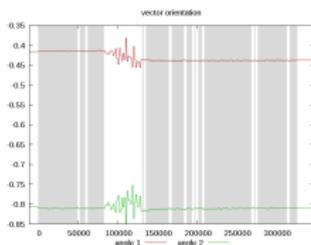
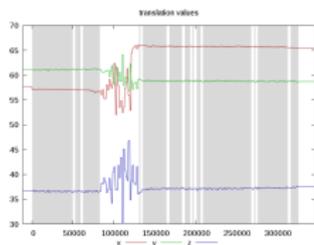
The following slides illustrate two recent results obtained using the EndoScout position/location system with a 3D Turbo FLASH sequence that has been modified to perform prospective motion correction with reacquisition.

The data is ~ 1.1 mm isotropic, with a matrix size of 256x202x192.

For each slide, the plots on the top row illustrate the temporal data recorded by the feedback system. The left image is the sensor translation, and the middle image is the angular deflection. Segments of time that were indicated as “motion free” by the feedback system are shown in light gray. In addition, a record of the acquired k-space lines is shown on the far right. The motion-free periods are again shown in gray, although there is some time skew between the sequence timing and the CommServer timing, so the temporal regions don't line up exactly. The plot does show there are no gaps in the reacquisition, however,

The reconstructed images are shown in the bottom row, with a comparison between the first volume of motion-corrupted data (left), and a volume reconstructed after the reacquisition data was used to replace the motion corrupted data (right).

TFL with Reacquisition - accelerated acquisition, iPAT=2 - large motion



TFL with Reacquisition - accelerated acquisition, iPAT=2 - small motion

