Summary of Results - 2019-2-23

The following slides illustrate some 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 $\sim$1.1mm isotropic, with a matrix size of 256x256x176. Acquired on a 3T Skyra.

For each slide, the plots on the left illustrate the reported location of the Endoscout position sensor over the course of the scan. Segments of time that were indicated as "motion free" by the feedback system are shown in light gray.

Each of the images show 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).

Update (2019-06-20): the long delay between reacquisition periods shown on the time plots has now been eliminated in the reacquisition software—there are no time gaps during reacquistion now.

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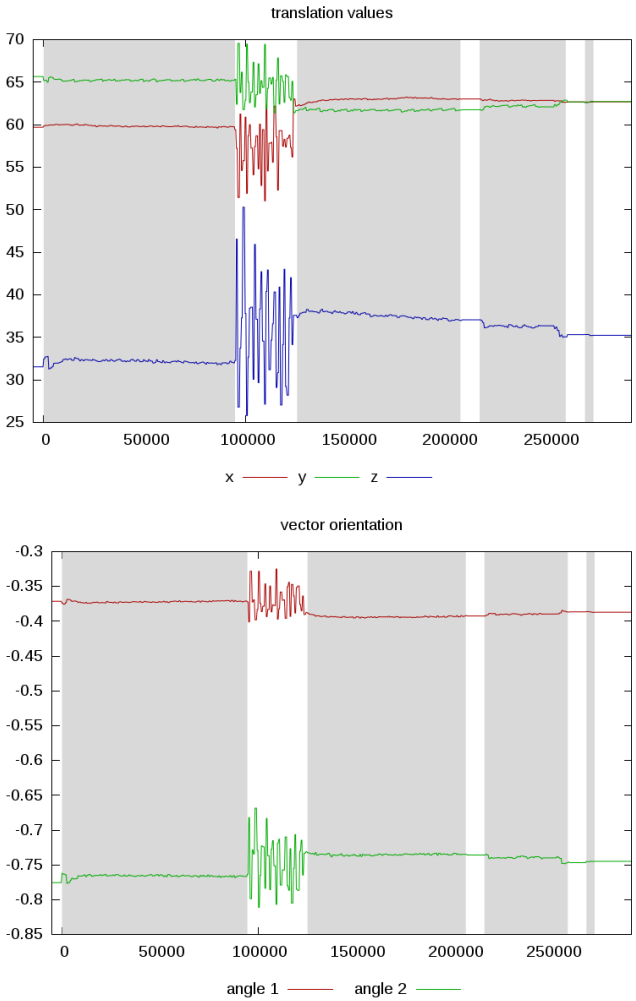
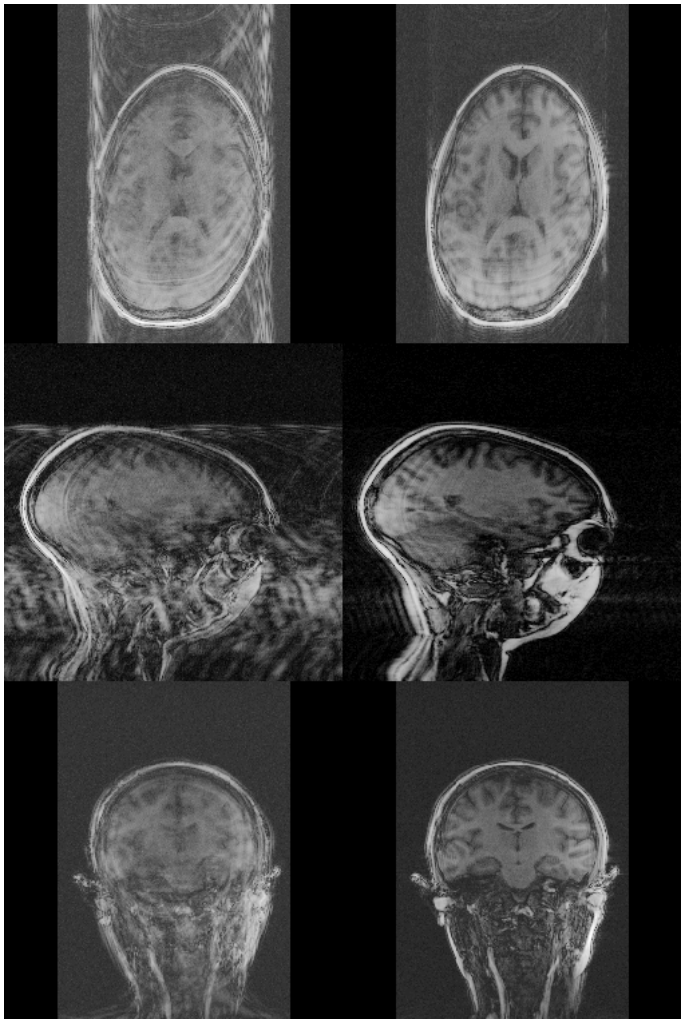
Turbo FLASH with Reacquisition - un-accelerated acquisition





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Turbo FLASH with Reacquisition - accelerated acquisition, iPAT=2