**Multiplatform comparison study Prostate trajectories**

The files are in the format:

trajectory

x y z

x y z

.

.

.

Where x - LR (positive = left)

y - SI (positive = superior)

z - AP (positive = posterior)

The timestep between data lines is 0.02s (50Hz)

The original Calypso data is in IEC coordinates. ‘left’ is the patient left in HFS position.

Original trajectories were from Calypso data obtained during prostate radiotherapy treatments by Drs Katja Langen and Patrick Kupelian at MD Anderson Cancer Center Orlando.

Langen KM, Willoughby TR, Meeks SL, Santhanam A, Cunningham A, Levine L, and Kupelian PA. Observations on real-time prostate gland motion using electromagnetic tracking. Int. J. Radiat. Oncol. Biol. Phys. 2008 71 1084-1090.

The original trajectories were extended by repetition of the trajectories which were then truncated to 30 minutes. The trajectories were then smoothed using a 1Hz butterworth filter.

Plots (.png) of both original and extended trajectories are supplied.

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