Supporting Document – Target-specific optimization of four-dimensional cone beam computed tomography

**FIG. 1.** Reconstructions of the 50% phase of the NEMA motion phantom moving with 6-sec period. Reconstructions from data corresponding to different scan times: 1) 3 min, 2) 1.5 min, 3) 1 min, 4) 45 sec, 5) 36 sec, 6) 30 sec.

**FIG. 2.** Measured trajectories of spheres of various sizes and motion periods using various scan times. Displacements along the longitudinal (z-axis) are plotted.
FIG. 3. Root mean square (RMS) trajectory measurement errors of spheres of various sizes with 3-sec motion. Data are based on 4D reconstructions with 16 phases.

FIG. 4. Root mean square (RMS) trajectory measurement errors of spheres of various sizes with 6-sec motion. Data are based on 4D reconstructions with 16 phases.