Manuscript title: Time-Resolved Shadowgraph Photography of Laser-Heated Plasmonic Gold Nanoparticles in Water
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Fig. S1 shows the original DLS data before and after laser irradiation at 532 nm (45 min.) at the fragmentation threshold pulse energy (see manuscript Fig. 1). The arrows point from the data before to after laser irradiation. The shifting towards smaller particle sizes and overall broadening indicate fragmentation. The latter effect is due to particle clustering as the stabilizing agent is removed during the fragmentation.



Figure S1. Original DLS data for 100 nm and 250 nm gold nanoparticles before and after laser irradiation.

Note that the primary method for determining particle fragmentation was based on optical bleaching of the plasmon band near 530 nm and hence the data presented here was used to confirm this observation.