

Abstract Submitted
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Stored light optimization in Rb vapor cells IRINA NOVIKOVA,
DAVID PHILLIPS, RONALD WALSWORTH, Harvard-Smithsonian — We present
an experimental study of stored light in Rb vapor cells under conditions of electro-
magnetically induced transparency (EIT). We study the technical and fundamental
limitations to storage lifetimes, efficiency, and fidelity, and propose optimization
schemes.

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