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Thermal Time Scales in a Color Glass Condensate VIVEK PARIHAR, ALLAN WIDOM[1], Northeastern University, YOGI SRIVASTAVA, NEU, Physics Dept, Univ. of Perugia & INFN — In a model of relativistic heavy ion collisions wherein the unconfined quark-gluon plasma is condensed into glass, we derive the Vogel-Fulcher-Tammann cooling law. This law is well known to hold true in condensed matter glasses. The high energy plasma is initially created in a very hot negative temperature state and cools down to the Hagedorn glass temperature at an ever decreasing rate. The cooling rate is largely determined by the QCD string tension derived from hadronic Regge trajectories. The ultimately slow relaxation time is characteristic of a color glass condensate.

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