## Charm Meson Results with the Heavy Flavor Tracker of the STAR Experiment at RHIC

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The Heavy Flavor Tracker (HFT), a four-layer silicon vertex detector upgrade for the STAR experiment at RHIC uses two air-cooled layers of ultra thin sensors (50 microns) with 20x20 microns active pixel (MAPS) technology surrounded by two conventional silicon pad and strip layers. The full system is capable of a track pointing (DCA) resolution of about 30 microns for 1 GeV/c pions and it is designed for full topological reconstruction of heavy flavor decays. In 2014 the HFT system had its first physics run with Au+Au collisions at 200 GeV/c recording about 1.2 Billion events. We report on first results on elliptic flow and nuclear modification factor ( $R_{AA}$ ) from the analysis of this sample. We also compare with earlier results, model predictions and discuss their implication.