

# A COMPLETE SAMPLE OF LOW MASS WHITE DWARF BINARIES IN THE SDSS FOOTPRINT

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We present the discovery of 17 double white dwarf (WD) binaries from our on-going search for extremely low mass (ELM)  $< 0.3 M_{\odot}$  WDs. Gaia parallax provides a new means of target selection that we use to evaluate our original ELM Survey selection criteria. We identify ELM WD candidates within the  $3\text{-}\sigma$  uncertainties of our original color selection. The observations complete the sample within  $17 < g < 19$  mag and  $-0.4 < (g - r)_0 < -0.1$  mag (approximately  $9,000 \text{ K} < T_{\text{eff}} < 22,000 \text{ K}$ ) in the SDSS footprint. Two of the newly discovered binaries have orbital periods of 22.5 min and 32 min, respectively, and are future LISA gravitational wave sources.