Non-Dimensional Angular Momentum Profile Merged Profile $(M/M_a \text{ vs } r/r_a)$ 1.0 $R_{\rm max}/R_a(0.027)$ R_a/R_a (1,1) 0.8 $r_{\text{merge}}/r_a(0.073)$ M/M_a 0.4 0.2 0.0 0.2 0.4 0.6 0.8 1.0 0.0 r / r_a