Figure 7. from Mass–Radius Relationships for Irradiated Ocean Planets null 2021 APJ 914 84 doi:10.3847/1538-4357/abfa99 https://dx.doi.org/10.3847/1538-4357/abfa99 © 2021. The American Astronomical Society. All rights reserved.

GJ 9827 b $M_p = 4.91 (\pm 0.49) M_{\oplus}$ $R_p = 1.58 \pm 0.03 R_{\oplus}$ $T_{irr} = 1184 K$ Radius (R_⊕) 3.2 2.8 2.6 2.4 2.2 1.8 1.6 1.4 Mercury Water Core Mantle GJ 9827 c $M_p = 0.84 (\pm 0.66) M_{\oplus}$ $R_p = 1.24 \pm 0.03 R_{\oplus}$ Radius (R_m) $T_{irr} = 820 \text{ K}$ 4.5 3.5 3 2.5 2 1.5 Mercury Water Core Mantle GJ 9827 d $M_p = 4.04 (\pm 0.83) M_{\oplus}$ $R_p = 2.02 \pm 0.05 R_{\oplus}$ Radius (R_⊕) 3.2 2.8 2.6 2.4 2.2 1.8 1.6 1.4 1.2 $T_{irr} = 686 \text{ K}$ Mercury Water Core