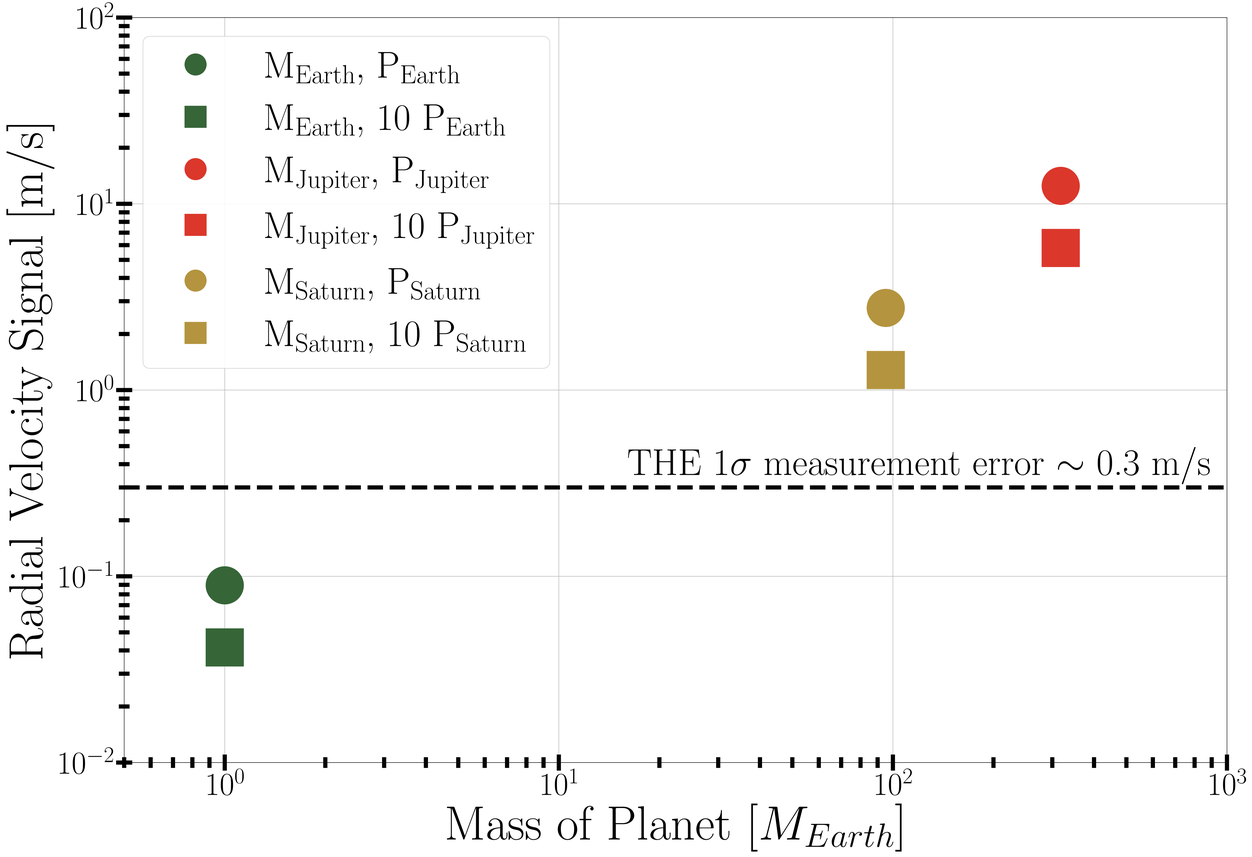
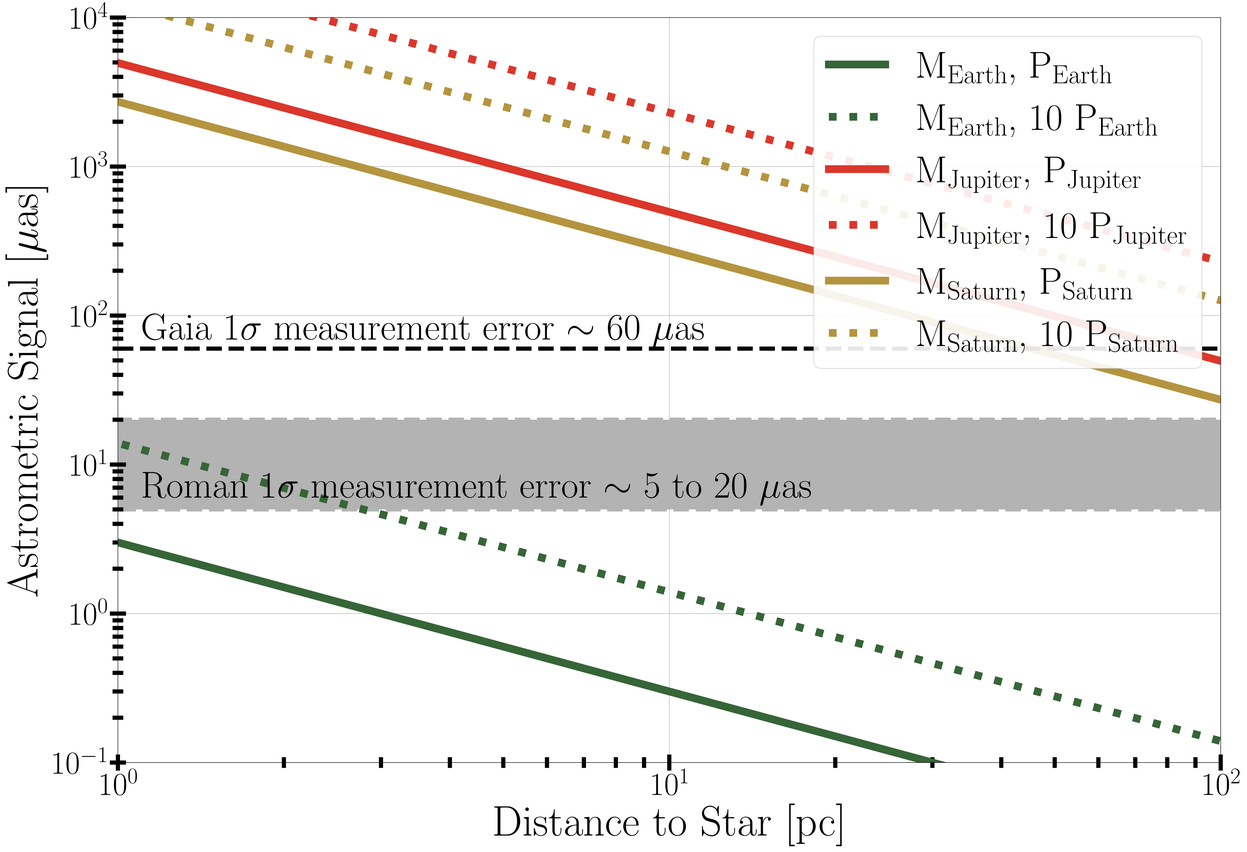

Radial Velocity Signal [m/s]
Mass of Planet [M_{Earth}]
M_{Earth}, P_{Earth}
M_{Earth}, 10 P_{Earth}
$M_{Jupiter}$, $P_{Jupiter}$
$M_{Jupiter}$, 10 $P_{Jupiter}$
M_{Saturn}, P_{Saturn}
M_{Saturn}, 10 P_{Saturn}
THE 1σ measurement error $\sim$ 0.3 m/s


Astrometric Signal [μas]
Distance to Star [pc]
M_{Earth}, P_{Earth}
M_{Earth}, 10 P_{Earth}
$M_{Jupiter}$, $P_{Jupiter}$
$M_{Jupiter}$, 10 $P_{Jupiter}$
M_{Saturn}, P_{Saturn}
M_{Saturn}, 10 P_{Saturn}
Gaia 1σ measurement error $\sim$ 60 μas
Roman 1σ measurement error $\sim$ 5 to 20 μas