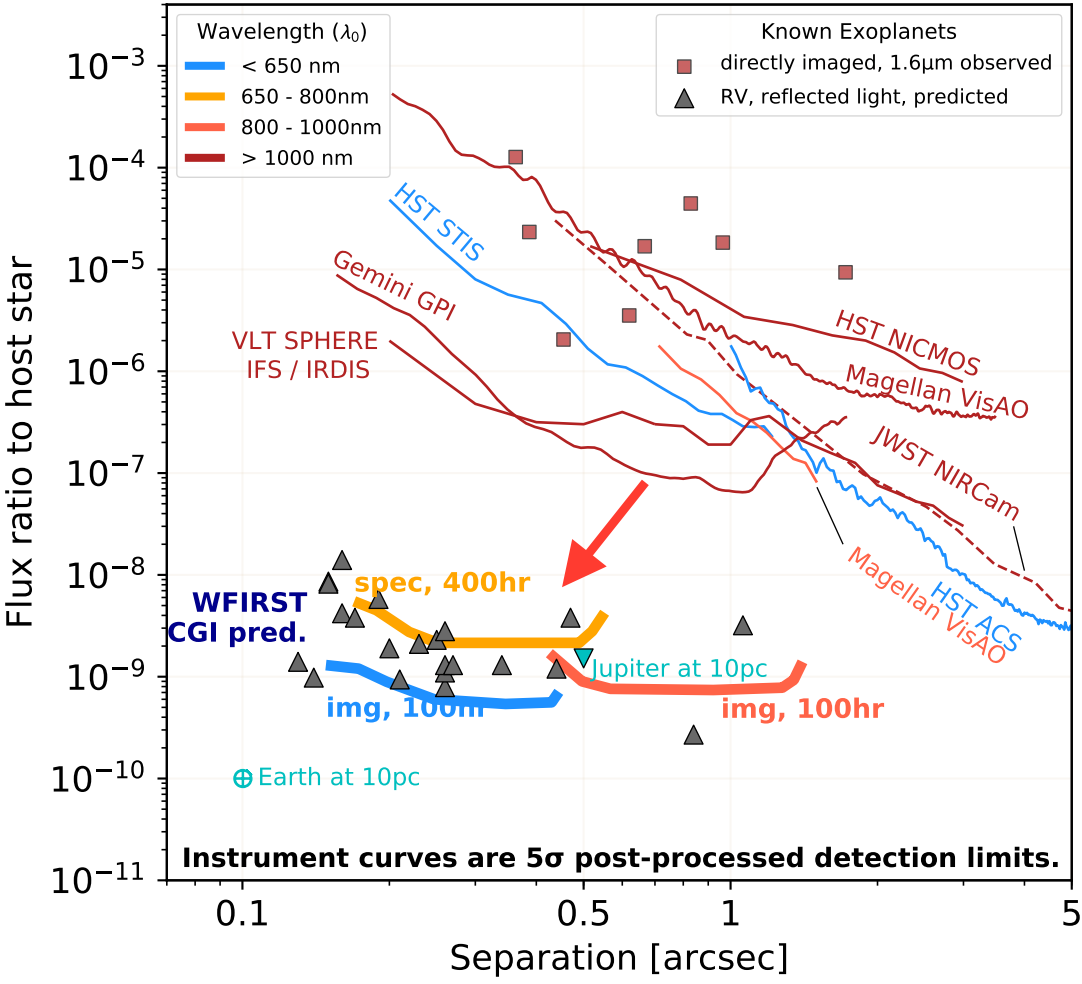
Wavelength (λ_0)
< 650 nm
650 - 800nm
800 - 1000nm
> 1000 nm
Known Exoplanets
directly imaged, 1.6μm observed
RV, reflected light, predicted
HST STIS
Gemini GPI
VLT SPHERE
IFS / IRDIS
HST NICMOS
Magellan VisAO
JWST NIRCam
Magellan VisAO
HST ACS
spec, 400hr
WFIRST
CGI pred.
Jupiter at 10pc
img, 100hr
img, 100hr
Earth at 10pc
Instrument curves are 5σ post-processed detection limits.
Flux ratio to host star
Separation [arcsec]
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10^{-8}
10^{-9}
10^{-10}
10^{-11}
0.1
0.5
1
5