

Human spaceflight capability

Life Finder

- •Image continents
- •Find chlorophyll, other direct signs of life

Planet detection program

2007-2011

- •Kepler, SIM, JWST
- Giant planets
- •Large terrestrial planets



2014

TPF-C

- •Earths around 30 nearby stars
- •Spectra to detect atmosphere, oxygen
- Variation in color/brightness for clouds



2018

TPF-I

- •Earths around 100 nearby stars
- •Spectra to detect water, oxygen
- Day/night temperatures for habitability

