

TECHNOLOGY

Angular Resolution and Collecting Area: Large Space Telescopes

Contrast Stability: Ultrastable Structures

Detection Sensitivity: Advanced Detectors

Starlight Suppression: Starshades

Starlight Suppression: Coronagraphs

MISSIONS



Hubble



Spitzer



Kepler



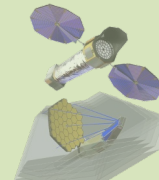
TESS



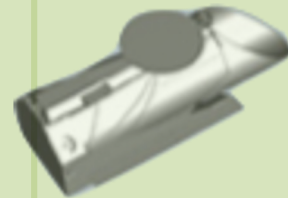
JWST



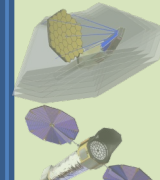
Roman



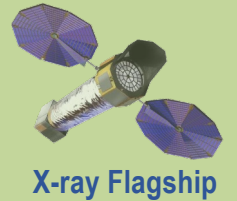
Probe 1



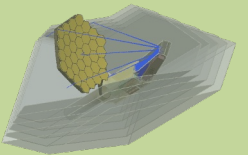
Habitable Worlds Observatory



Probe 2



X-ray Flagship



Far-IR Flagship

SCIENCE

Exoplanetary Atmospheres
Hot Jupiters

Exoplanet Abundance

Nearest Transiting Planets

Atmospheric Chemistry

Direct Imaging

Exozodiacal Dust

Exoplanet Diversity

Exo-Earth Biosignatures

Habitable Exo-Earth Abundance

Recommended by 2020 Decadal Survey

Pending 2030 Decadal Survey

2021

2027

2030s

2040s and beyond