

Display Settings Run Session

Planet Population Properties

a Range

0.4

to

0.4

e Range

0

to

0.8

☐ Confine Orbits

p Range

0.1

to

0.5

Planet Types

- ☒ Earths
☒ (Super) Earths
☒ Neptunes
☒ Giants

Save

Load

Go!

Target Pool Criteria

☐ Life Expectancy☒ Main Sequence☐ Age☐ No Low Metallicity☐ No Variability☐ No Halo Stars☐ High Data Quality☒ No Binaries☐ F,G,K only

Visual Magnitude <

7

Go!

Spacecraft

Orbit (km)

510000

☐ Occulter

Thrust (mN)

450

Dry Mass (kg)

3400

Init Mass (kg)

6000

SC2 Mass (kg)

5800

Slew Isp (s)

4160

SK Isp (s)

220

Sep1 (km)

55000

Instrument

IWA (as)

0.075

Delta Mag Lim

26

Det QE

0.5

Throughput

0.5

Eta^2

0.57

Bandpass (nm)

100

Det Lambda

500

Exp Time (s)

1000

Instrument

S/N

11

Char QE

0.5

R spec

70

Spec Lambda

760

Det Pixels

14.3

Dark Rate

0.001

Darks

10

Read Noise

3

Instrument

Contrast

1e-10

Shape Factor

0.7854

Focal Length (m)

240

Pix Area (m^2)

1e-10

Area (m^2)

12.5664

☐ 2nd Dist

Sep2 (km)

35000

Throughput 2

0.5

Keepout (deg)

45

Planetary Systems

Max Planets

1

Delta I (deg)

15

Exo-Zodi

1.5

Exo-Zodi Var

0

Operations

Duty Cycle

1

Mission Portion

1

Primary (yrs)

5

Extended (yrs)

0

Max Int (s)

0