# 1 EML-1

WFIRST shall measure the mass function of exoplanets with masses > 1 MEarth and orbital semi-major axes >=1 AU to better than 10% (TBV) per decade in mass.

*Child links:* [EML-7](L2.html#EML-7), [EML-8](L2.html#EML-8), [EML-9](L2.html#EML-9), [EML-10](L2.html#EML-10), [EML-12](L2.html#EML-12), [EML-13](L2.html#EML-13), [EML-14](L2.html#EML-14), [EML-15](L2.html#EML-15), [EML-16](L2.html#EML-16)

# 2 EML-2

WFIRST shall measure the frequency of Mars-mass objects to 20% (TBV).

*Child links:* [EML-7](L2.html#EML-7), [EML-8](L2.html#EML-8), [EML-9](L2.html#EML-9), [EML-10](L2.html#EML-10), [EML-12](L2.html#EML-12), [EML-13](L2.html#EML-13), [EML-14](L2.html#EML-14), [EML-15](L2.html#EML-15), [EML-16](L2.html#EML-16)

# 3 EML-3

WFIRST shall determine the masses of, and distances to, host stars of 50% (TBV) of the detected planets with a precision of 20% (TBV).

*Child links:* [EML-11](L2.html#EML-11), [EML-17](L2.html#EML-17), [EML-18](L2.html#EML-18), [EML-19](L2.html#EML-19), [EML-20](L2.html#EML-20), [EML-21](L2.html#EML-21), [EML-22](L2.html#EML-22)

# 4 EML-4

WFIRST shall measure the frequency of free floating planetary-mass objects in the Galaxy from Mars to 10 Jupiter masses in mass. If there is one MEarth free-floating planet per star, measure this frequency to ~20% (TBV).

*Child links:* [EML-7](L2.html#EML-7), [EML-8](L2.html#EML-8), [EML-9](L2.html#EML-9), [EML-10](L2.html#EML-10), [EML-12](L2.html#EML-12), [EML-13](L2.html#EML-13), [EML-14](L2.html#EML-14), [EML-15](L2.html#EML-15), [EML-16](L2.html#EML-16)

# 5 EML-5

WFIRST shall measure the masses of 50% (TBV) of free-floating detected planetary-mass objects to a precision of 20% (TBV) down to a mass of Mearth.

*Child links:* [EML-11](L2.html#EML-11), [EML-17](L2.html#EML-17), [EML-18](L2.html#EML-18), [EML-19](L2.html#EML-19), [EML-20](L2.html#EML-20), [EML-21](L2.html#EML-21), [EML-22](L2.html#EML-22), [EML-100](L2.html#EML-100)

# 6 EML-6

WFIRST shall estimate eta\_Earth to a precision of 20% (TBV) via extrapolation from larger and longer-period planets.

*Child links:* [EML-7](L2.html#EML-7), [EML-8](L2.html#EML-8), [EML-9](L2.html#EML-9), [EML-10](L2.html#EML-10), [EML-12](L2.html#EML-12), [EML-13](L2.html#EML-13), [EML-14](L2.html#EML-14), [EML-15](L2.html#EML-15), [EML-16](L2.html#EML-16)