

planets that transit M dwarfs

- + deep transits
- + large radial velocity amplitudes
- + habitable zone = two week orbital period
- + atmospheric characterization via transit techniques

the MEarth project

a targeted survey of 2,000 nearby, high proper motion M dwarfs, sensitive to $2 R_{\oplus}$ transiting exoplanets out to habitable zone orbits

1st year of operations

- + one eclipsing binary, GJ3236 (Irwin et al. 2009)
- + sub-percent photometry on most targets
- + work on transit detection in progress, stay tuned...

