pySYD pipeline

## Information that we can obtain

- In this study they look for Solar-like oscillations in a star's power spectrum (≤ 20 μHz)
- They characterized by two globalseismic quantities:

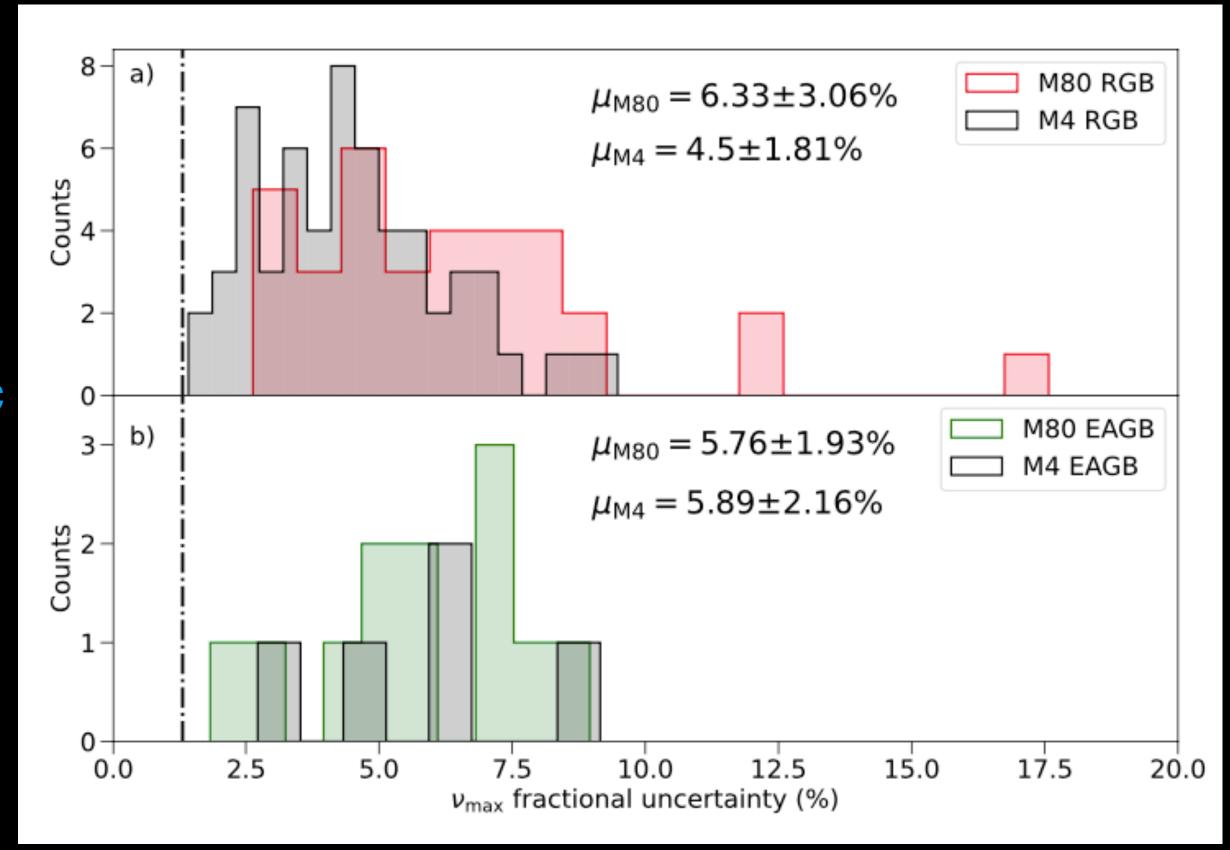
 $\nu_{max}$  the frequency of the maximum acoustic power, (heavy smoothing)

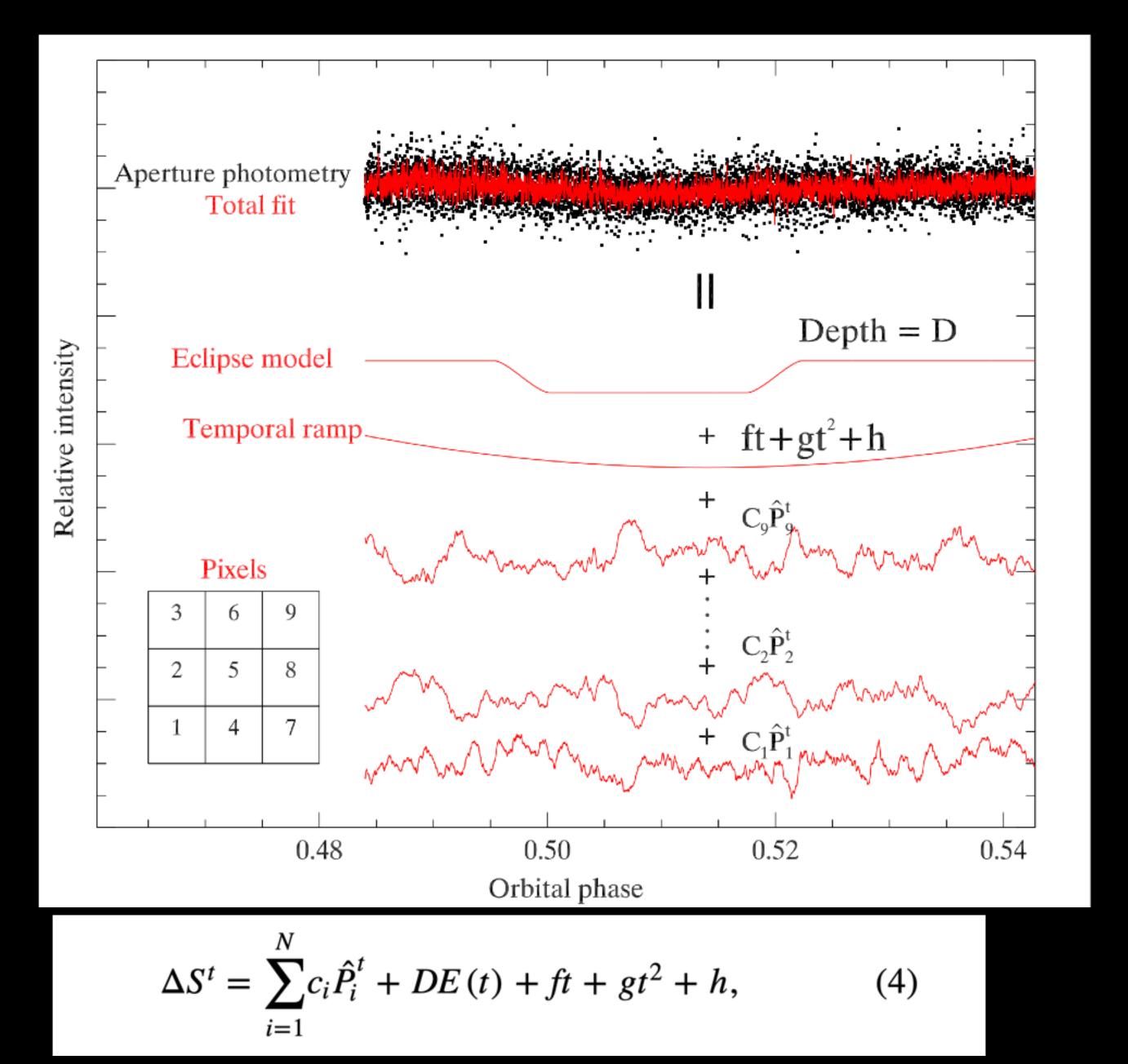
and

 $\Delta \nu$  the large frequency spacing between adjacent overtone oscillation modes. (Autocorrelator)









Deming, D., "Spitzer Secondary Eclipses of the Dense, Modestly-irradiated, Giant Exoplanet HAT-P-20b Using Pixel-level Decorrelation", <i>The Astrophysical Journal</i>, vol. 805, no. 2, 2015. doi:10.1088/0004-637X/805/2/132.