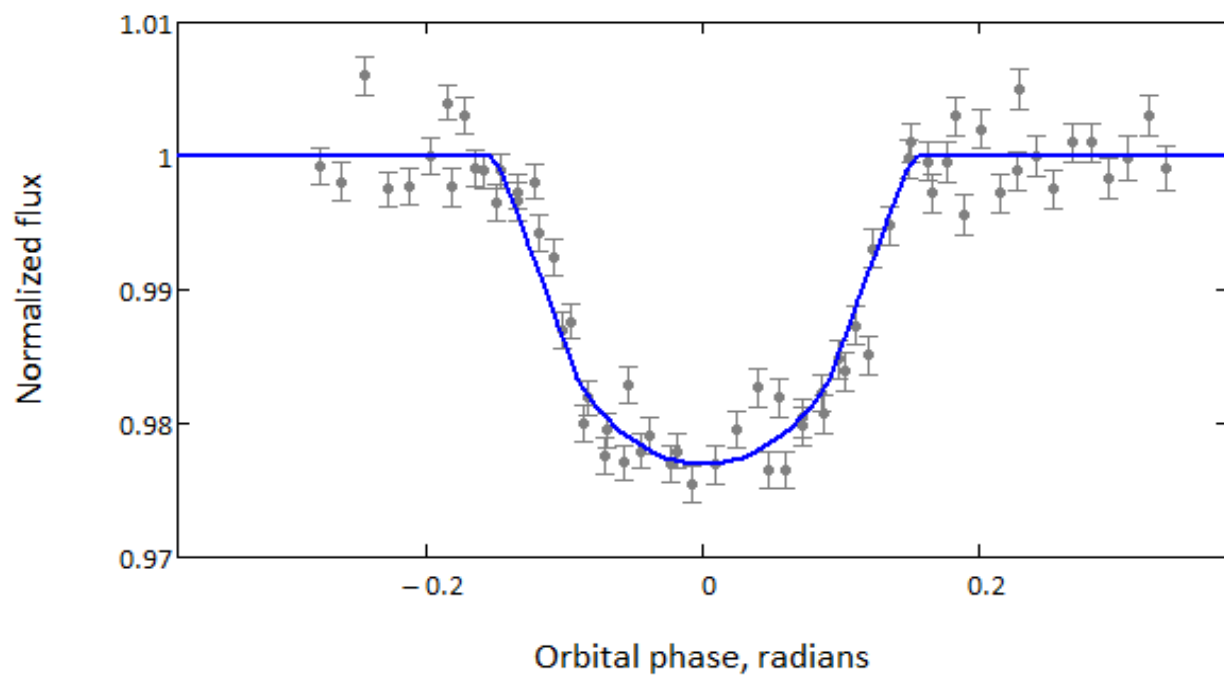




Qatar-1 b

$d = 186$ parsecs

Two transits

P , days 1.4200 ± 0.0001

$p = R_{\text{planet}}/R_{\text{star}}$ 0.146 ± 0.004

a/R_{star} 6.2 ± 0.1

i , degrees 84.1 ± 0.3

LDC u_1 0.500 ± 0.281

LDC u_2 0.200 ± 0.197

χ^2_R 3.3

Data: Amanda Broadmeadow '21, for
ASTR 244, Fall 2020