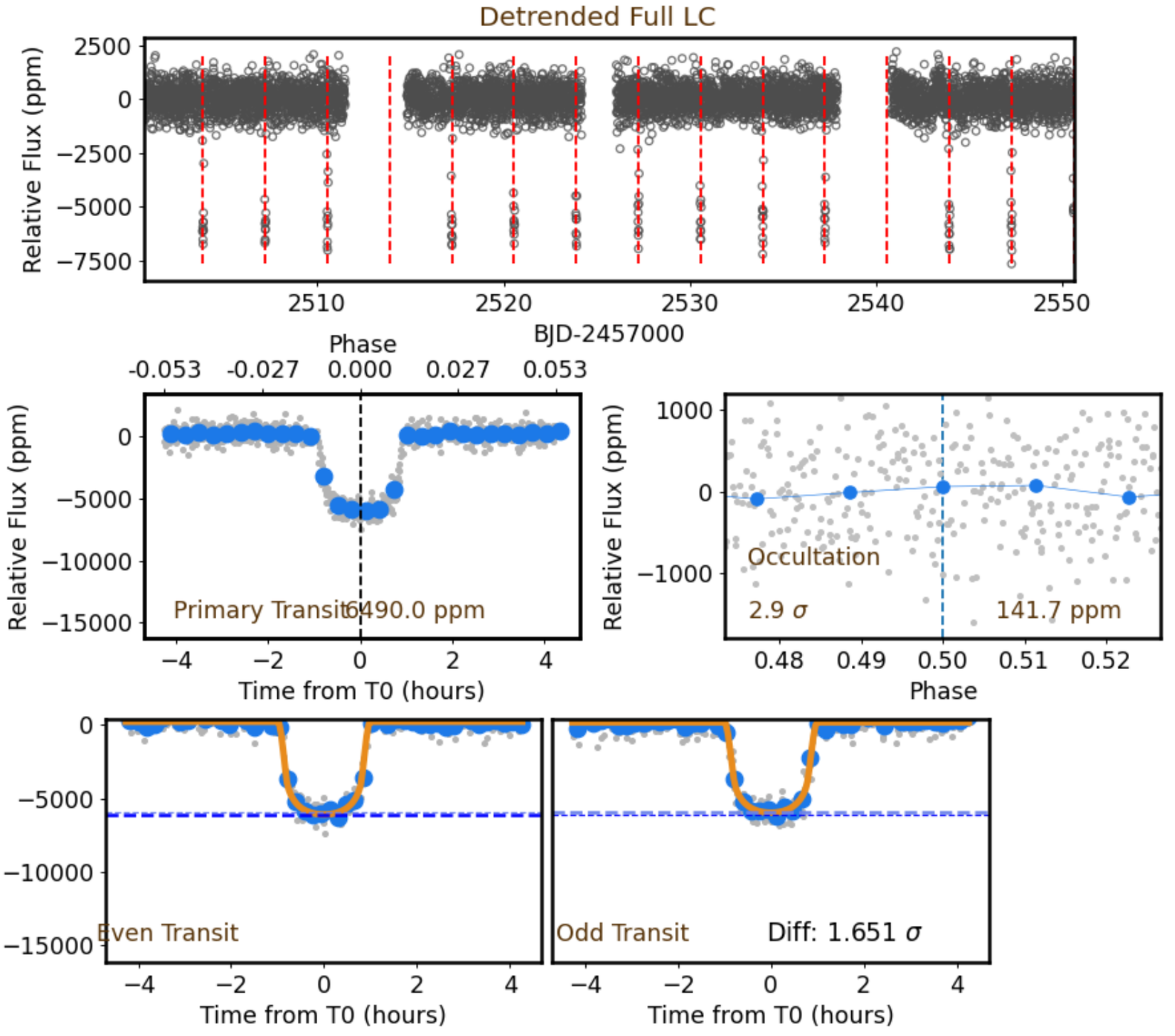


TCE: *tess*19028197.01

$P = 3.337$ Day

$T_0 = 2503.871$ BJD

$Rp \sim 4.396$

$Rp/Rstar \sim 0.081$

$T_{dur}/P \sim 0.024$

Tdur ~ 1.947 hr

$T_{12}/T_{14} \sim 0.157$

$SN_{\mathrm{BLS}} \sim 57.4$ $SNR \sim 109.6$

Star: TIC19028197

$R_* \sim 0.5 R_\odot$ $M_* \sim 0.5 M_\odot$

$T_{\mathrm{eff}} \sim 3552K$ $logg \sim 4.74$

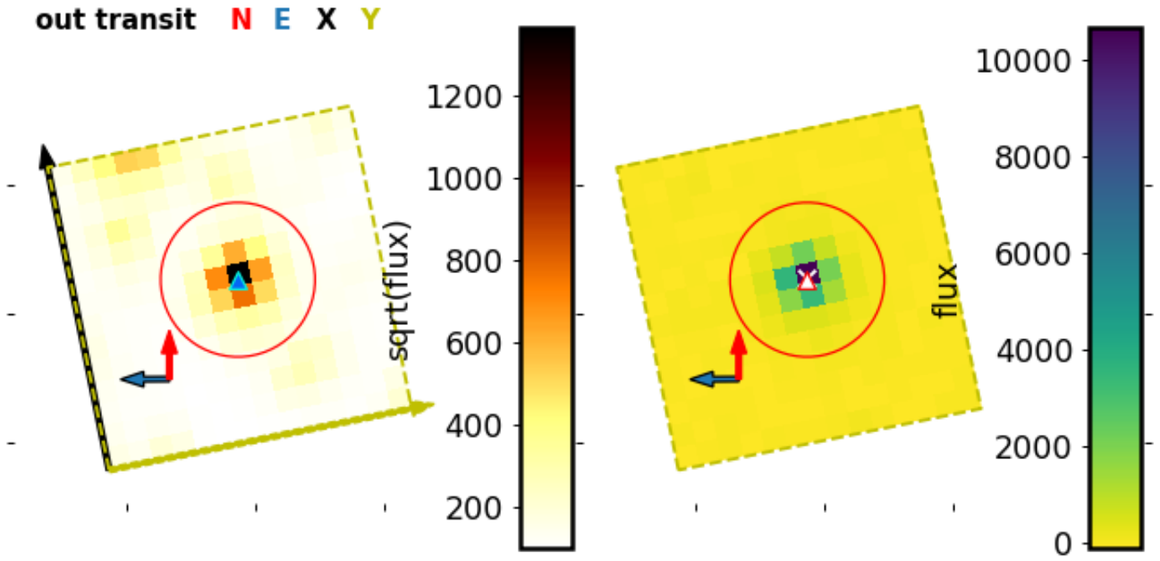
RA $= 119.774$ DEC $= 15.391$

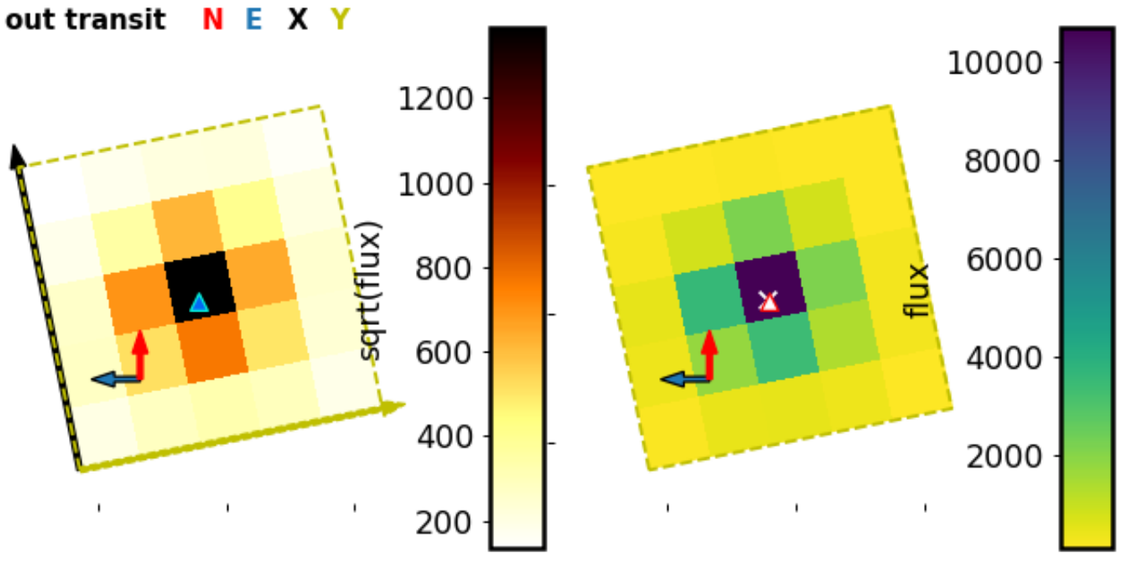
TMag $= 10.2$ $J - K = 0.81$

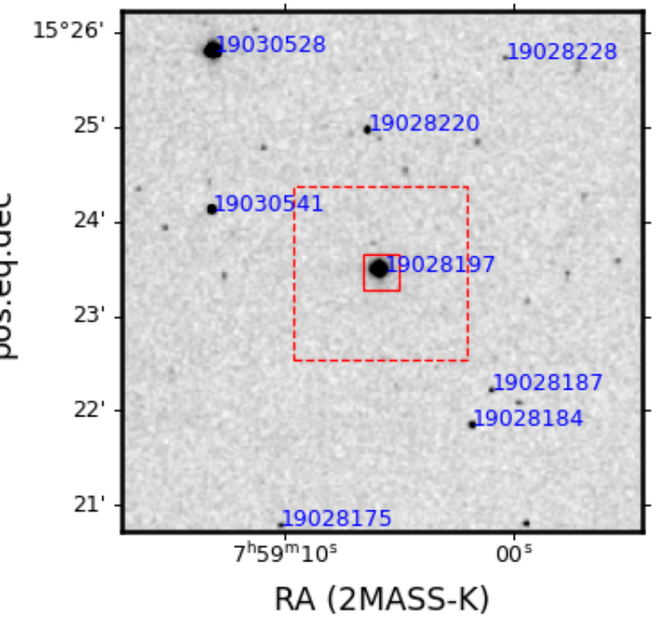
$gb - gr = nan$ $par = 34.0$

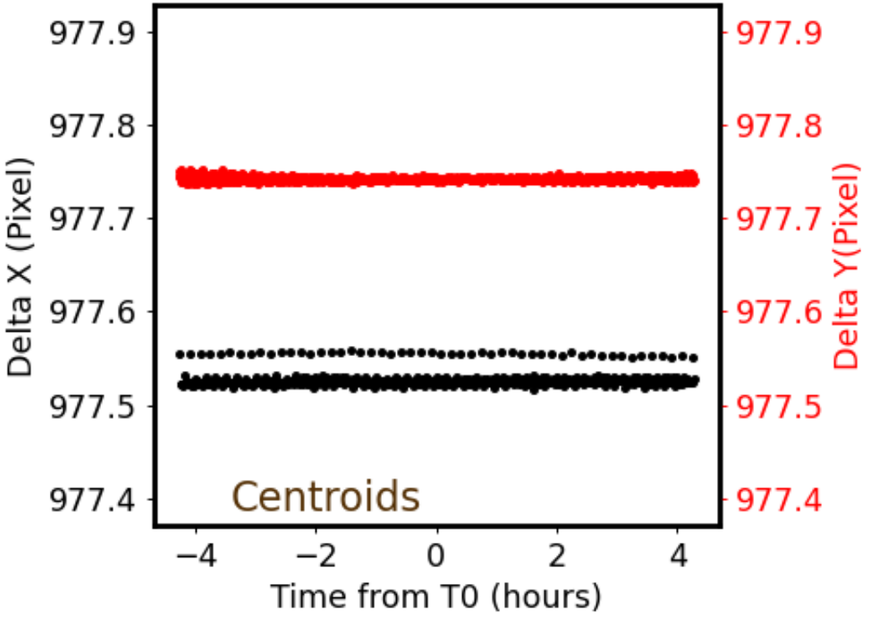
$pmra = -185.7$ $pmdec = -57.3$

19028197.01: Centroid Shift and Ephemeris Match (to most significant object)

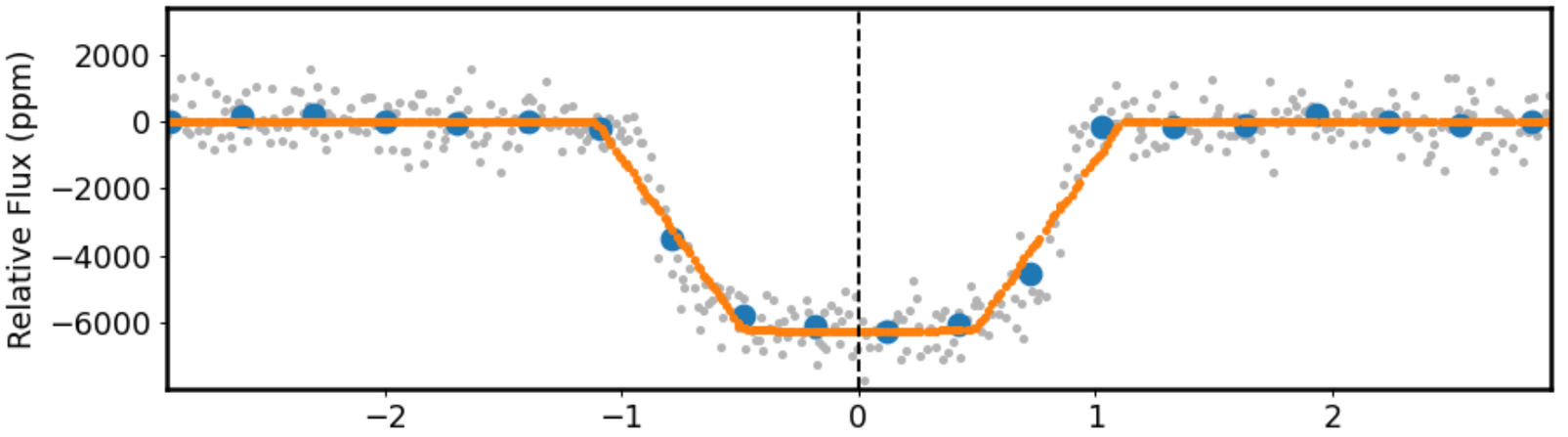






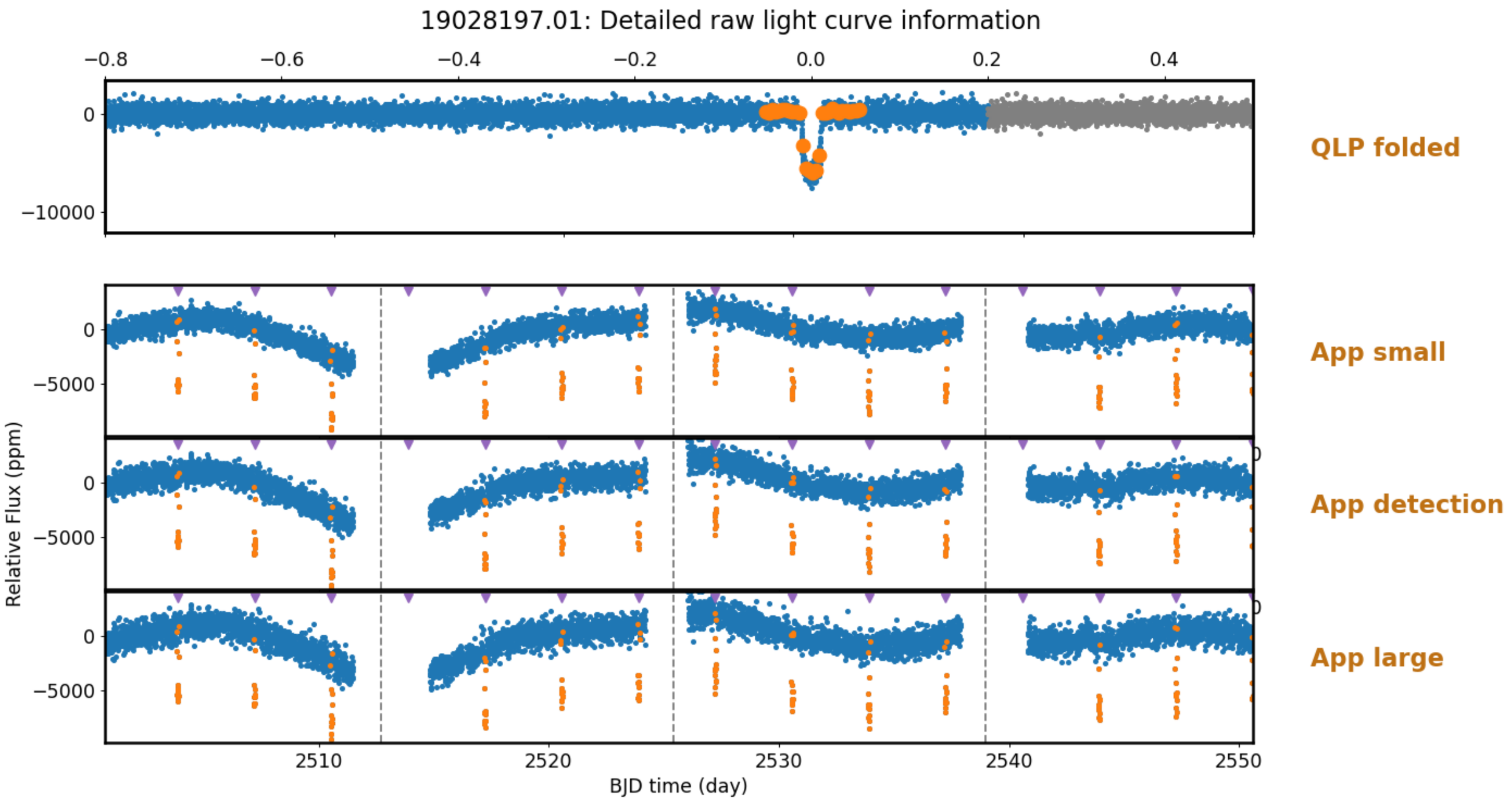


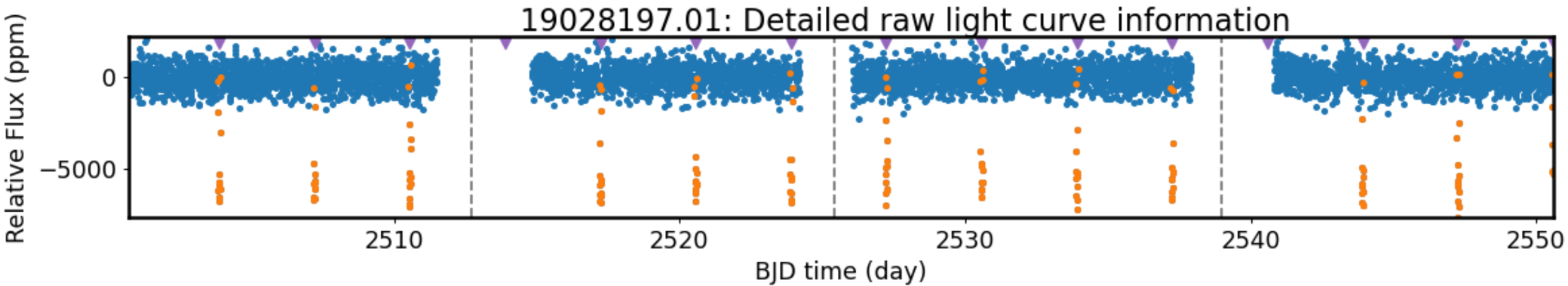
19028197.01: Detailed transit fitting information

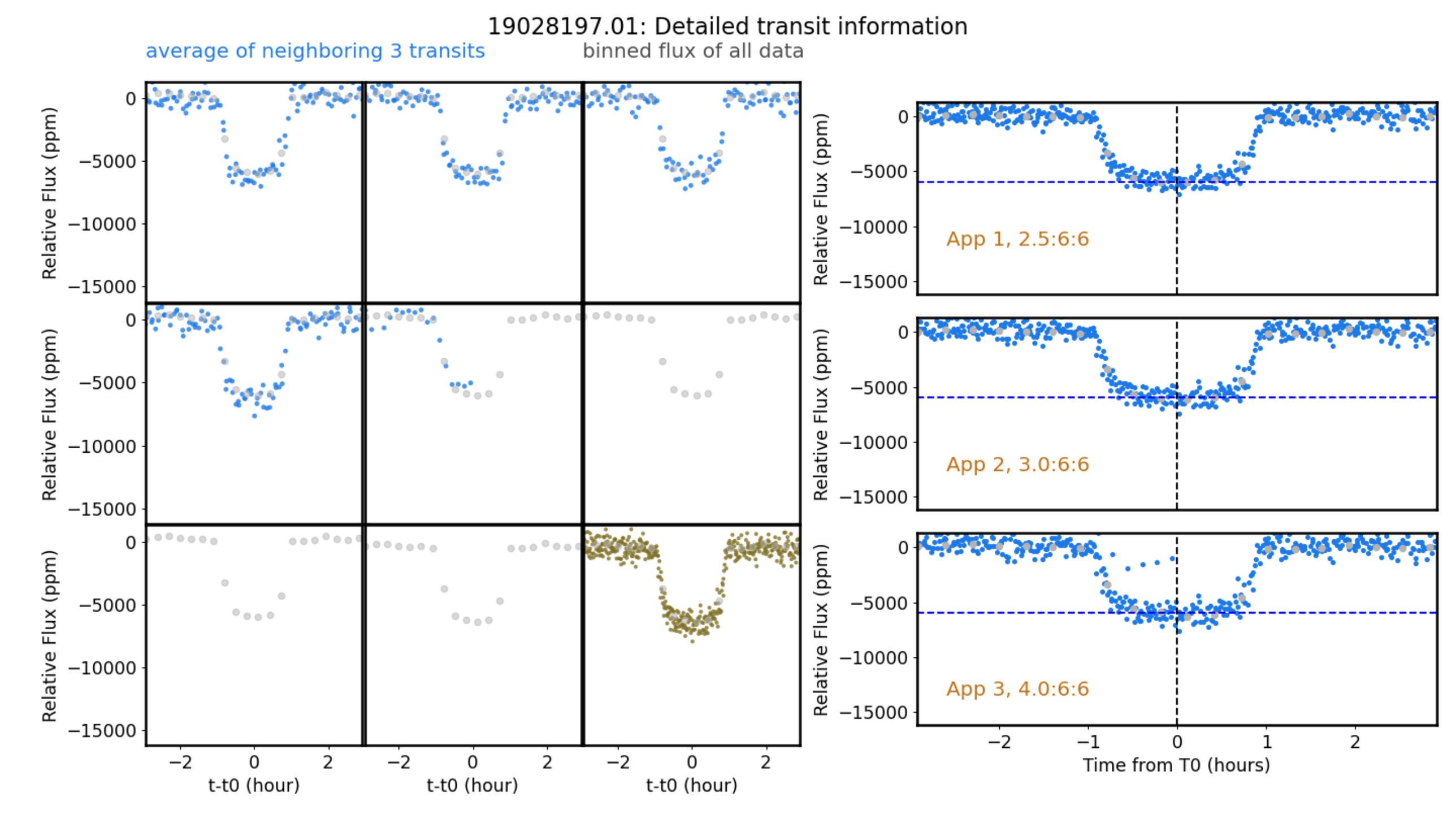


MCMC parameters

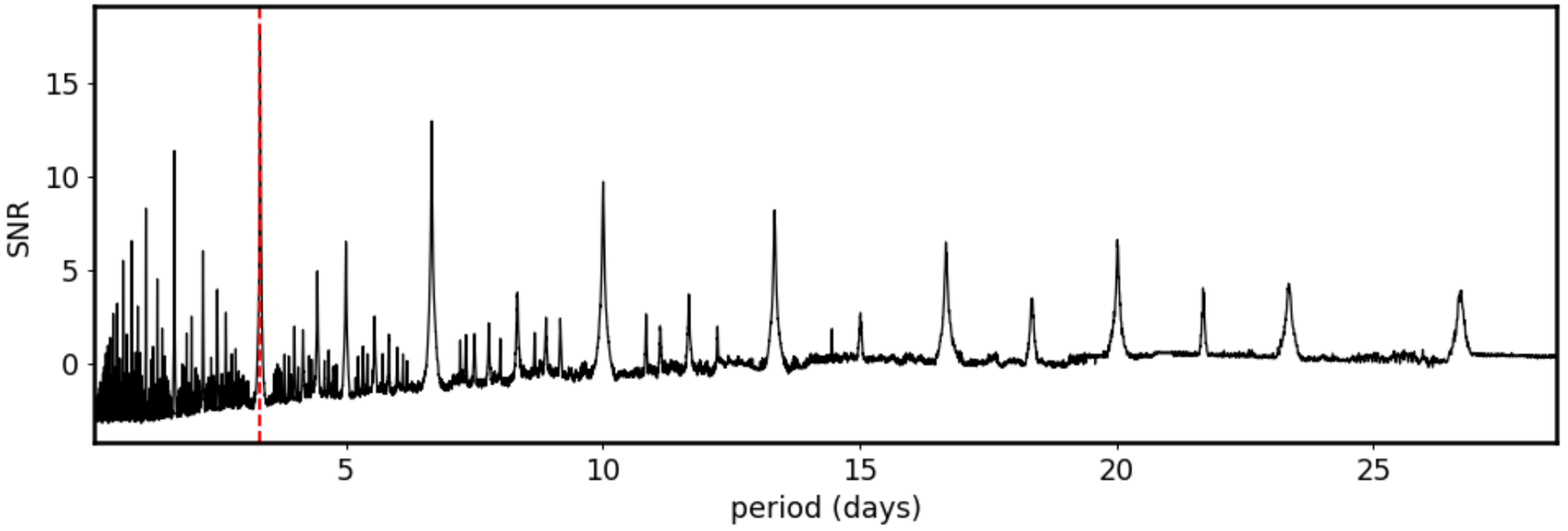
per: 3.3367727433908856
inc: 89.25706393526744
ecc: 0.0
w: 90
u: [0.02805623919505365, 0.0710544415967289]
fp: None
t0: 2543.9125455 [2543.9121023, 2543.9129329]
b: 0.2011856 [0.0554672, 0.3509641]
a: 15.5160198 [14.9327329, 15.8405159]
rp: 0.0784031 [0.0775720, 0.0790432]
u1: 0.0280562 [0.0078211, 0.0694552]
u2: 0.0710544 [0.0157078, 0.1824292]
period: 3.3367727 [3.3367000, 3.3368375]
rhostarobs: 26.6 [23.7, 28.3]

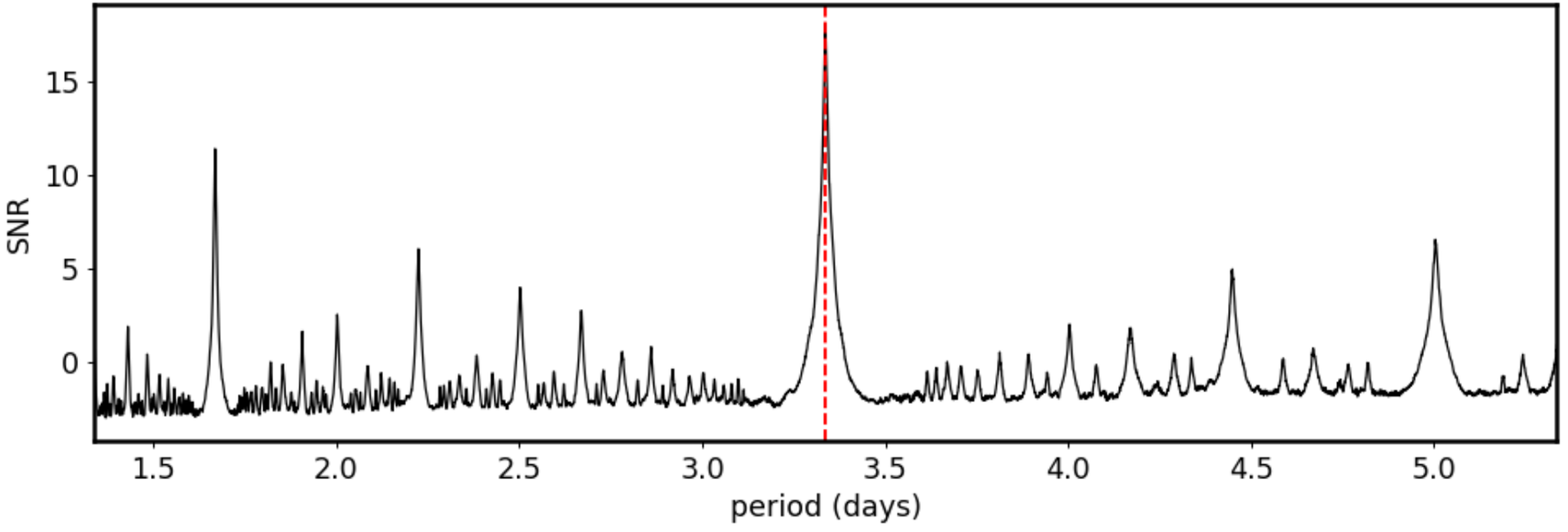

19028197.01: Detailed raw light curve information
−0.8
−0.6
−0.4
−0.2
0.0
0.2
0.4
0
−10000
QLP folded
0
−5000
App small
0
−5000
App detection
0
−5000
App large
Relative Flux (ppm)
2510
2520
2530
2540
2550
BJD time (day)


19028197.01: Detailed raw light curve information
Relative Flux (ppm)
0
−5000
2510
2520
2530
2540
2550
BJD time (day)


19028197.01: Detailed transit information
average of neighboring 3 transits
binned flux of all data
Relative Flux (ppm)
t-t0 (hour)
App 1, 2.5:6:6
App 2, 3.0:6:6
App 3, 4.0:6:6
Time from T0 (hours)

19028197.01: BLS Analysis





19028197: BLS Data:

Depth: 0.0065
Npointsaftertransit: 141
Npointsbeforetransit: 151
Npointsintransit: 145
Ntransits: 13
OOTmag: 10.2
Period: 3.337
Qingress: 0.157
Qtran: 0.024
Rednoise: 9e-05
SDE: 15.8
SN: 57.4
SR: 0.00089
SignaltoPinknoise: 109.56
Tc: 2503.8710
Whitenoise: 0.00065
deltaChi2: -0.005
fraconenight: 0.091
i1: 0.93
i2: 0.96