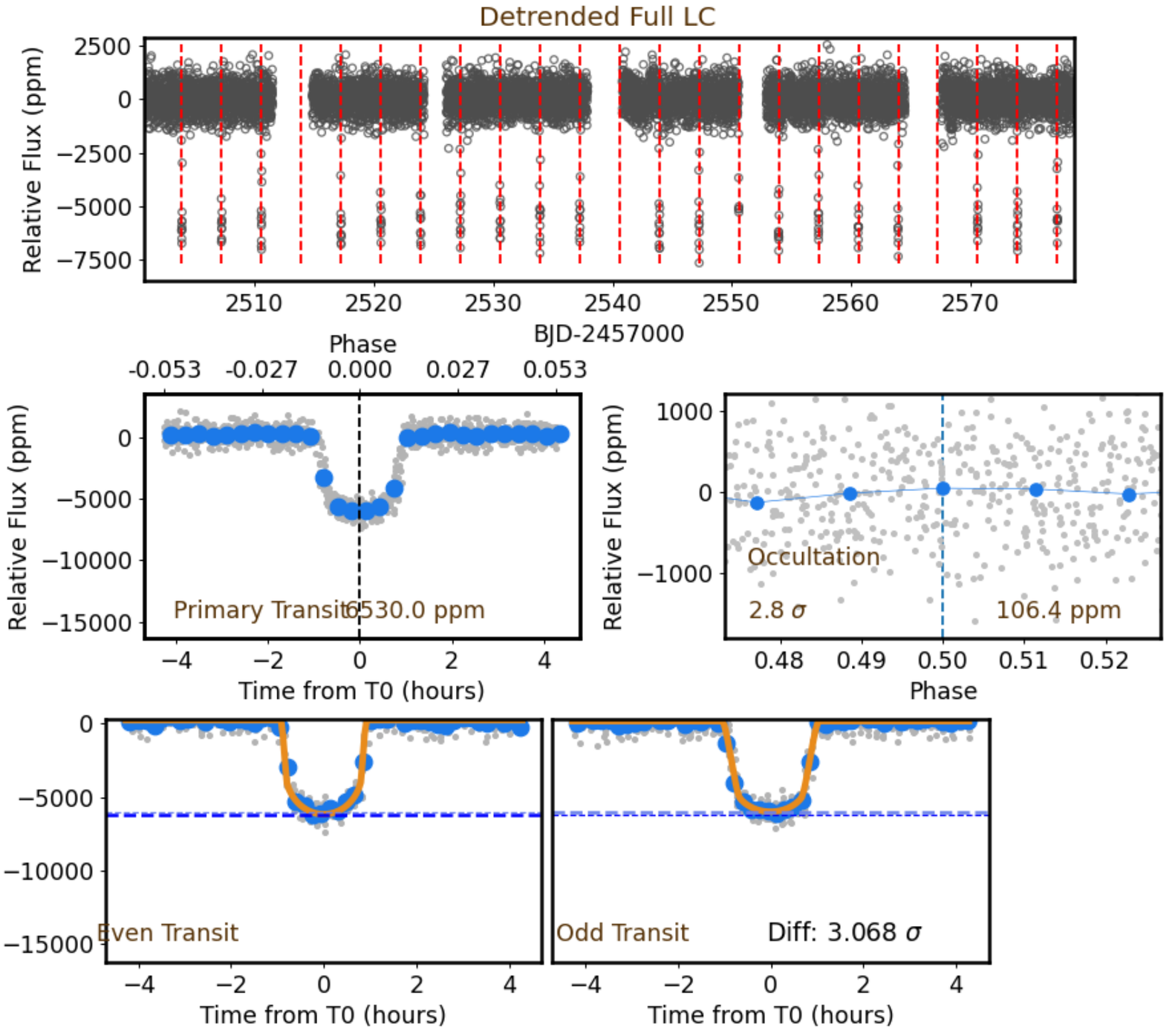


TCE: *tess*19028197.01

$P = 3.337$ Day

$T_0 = 2503.869$ BJD

$Rp \sim 4.409$

$Rp/Rstar \sim 0.081$

$T_{dur}/P \sim 0.024$

Tdur ~ 1.952 hr

$T_{12}/T_{14} \sim 0.162$

$SN_{\mathrm{BLS}} \sim 44.0$ $SNR \sim 134.2$

Star: TIC19028197

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

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

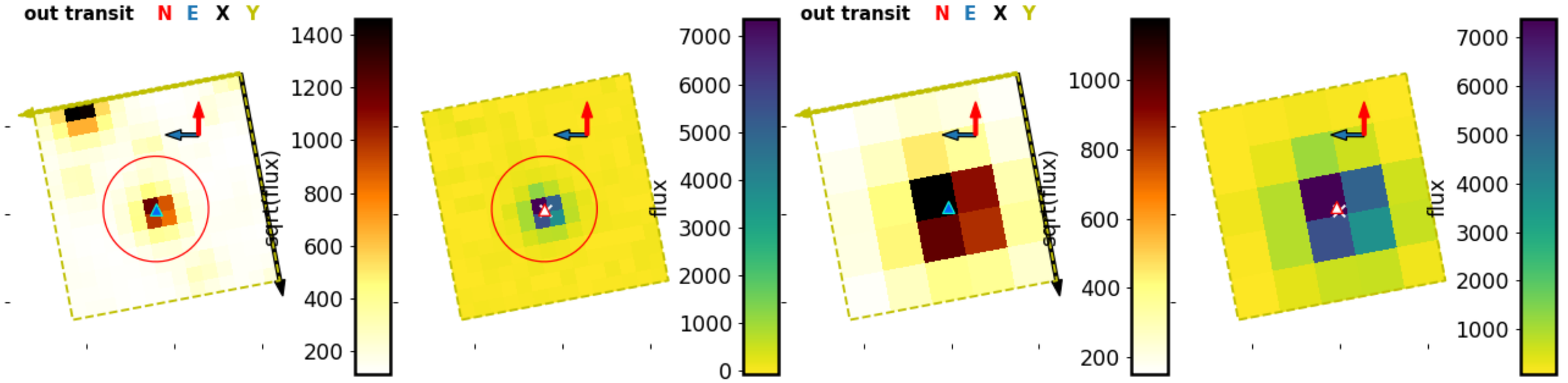
RA $= 119.774$ DEC $= 15.391$

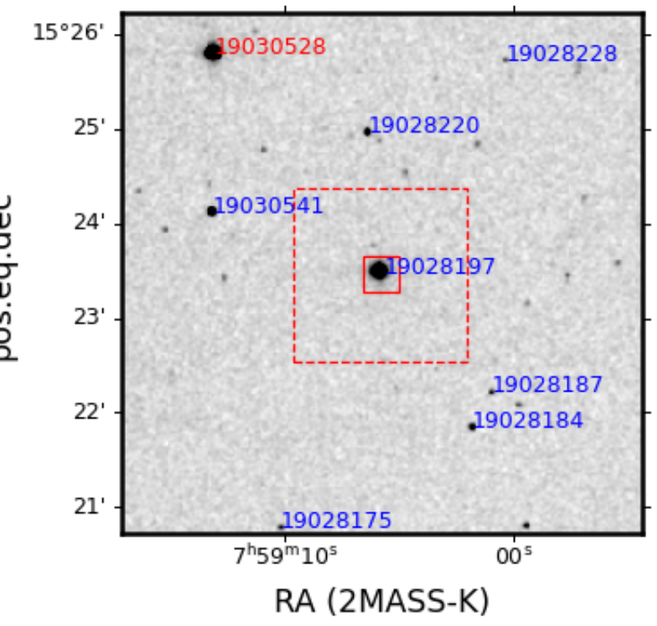
TMag $= 10.2$ $J - K = 0.81$

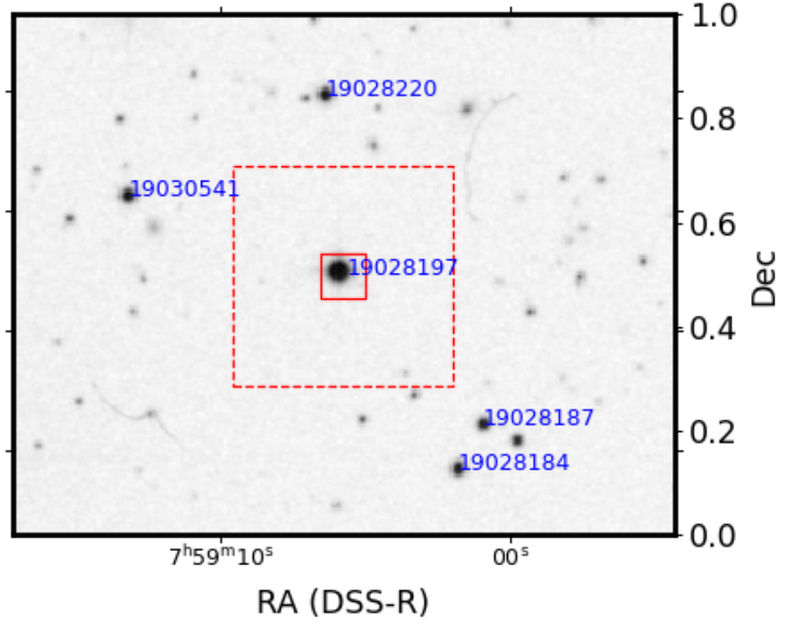
$gb - gr = nan$ $par = 34.0$

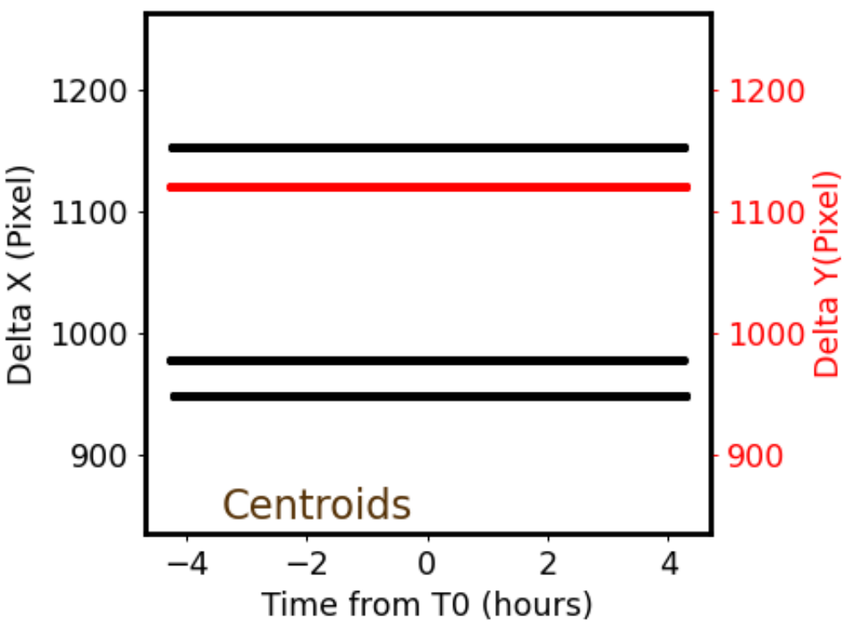
$pmra = -185.7$ $pmdec = -57.3$

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

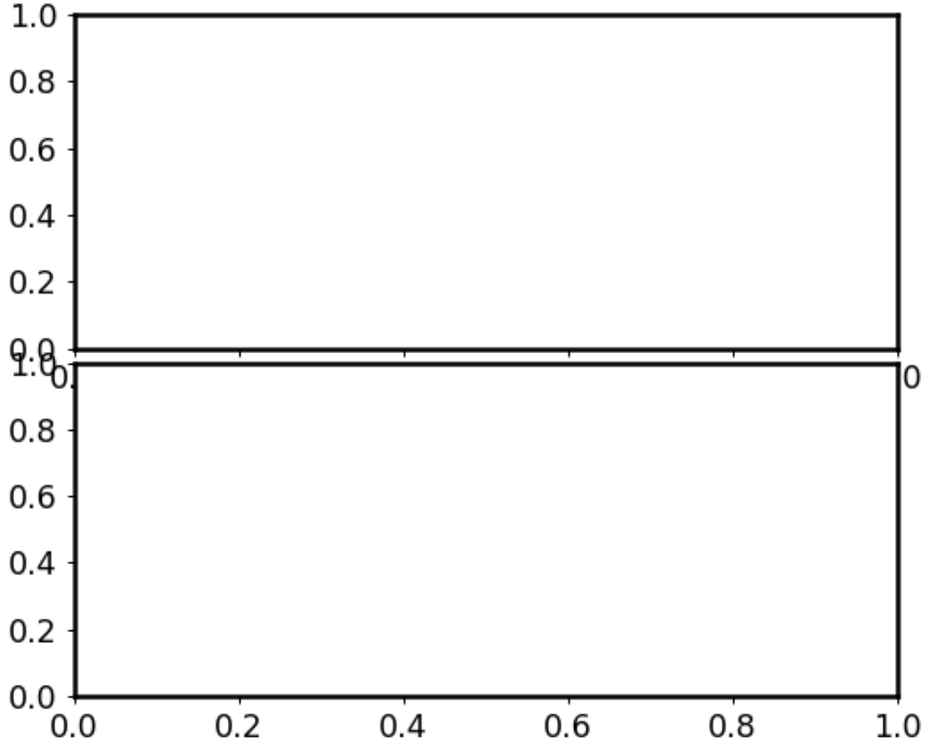








19028197.01: Centroid Shift and Ephemeris Match (to most significant object)

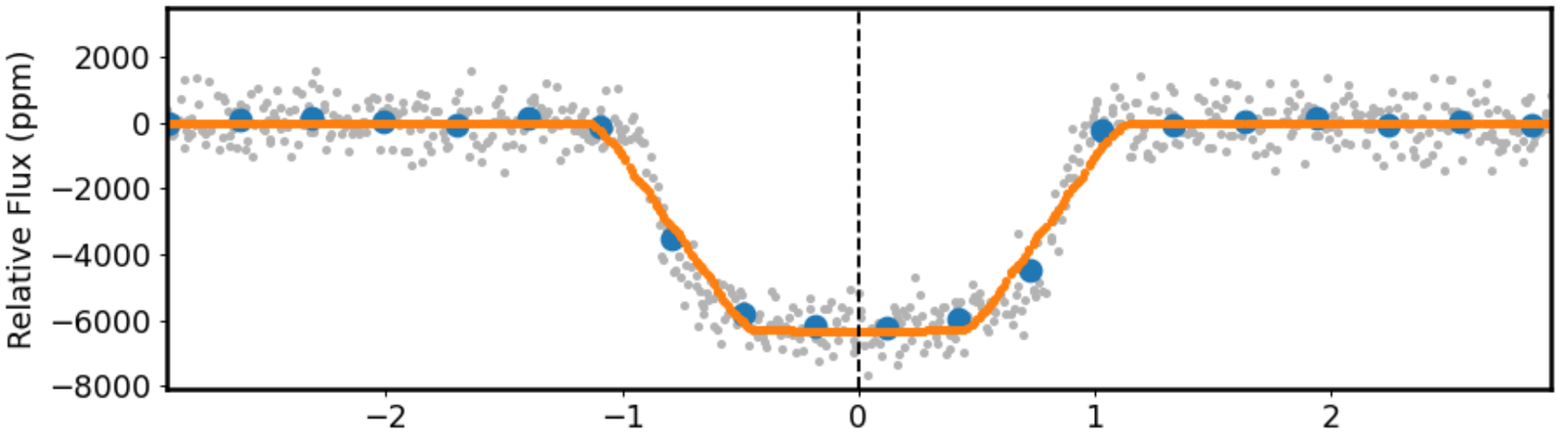


Epoch matching result: None

Near GJ 3470, P = 3.336650, Epoch = 55983.704210

M: RA: 119.774, DEC: 15.391 Mag: 10.2 x: 949.8 y:1938.2

19028197.01: Detailed transit fitting information



MCMC parameters

per: 3.3366858722734145
inc: 87.26432447517809
ecc: 0.0
w: 90
u: [0.01692591810073361, 0.0220883615878467 76]
fp: None
t0: 2577.2787745 [2577.2784062, 2577.2791664]
b: 0.6089694 [0.4858074, 0.6917609]
a: 12.7590569 [11.5884270, 14.0475474]
rp: 0.0793787 [0.0789950, 0.0797695]
u1: 0.0169259 [0.0039465, 0.0415999]
u2: 0.0220884 [0.0049179, 0.0577759]
period: 3.3366859 [3.3366565, 3.3367153]
rhostarobs: 14.8 [11.1, 19.7]

19028197.01: Detailed raw light curve information

QLP folded

App small

App detection

App large

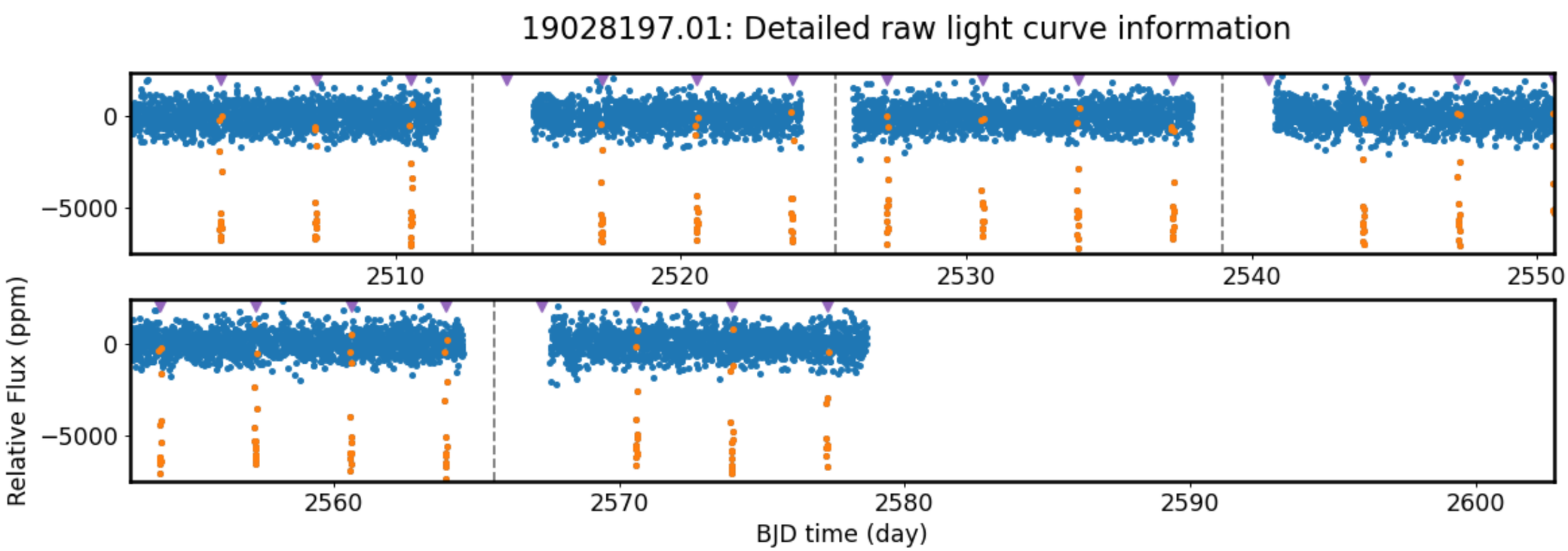
App small

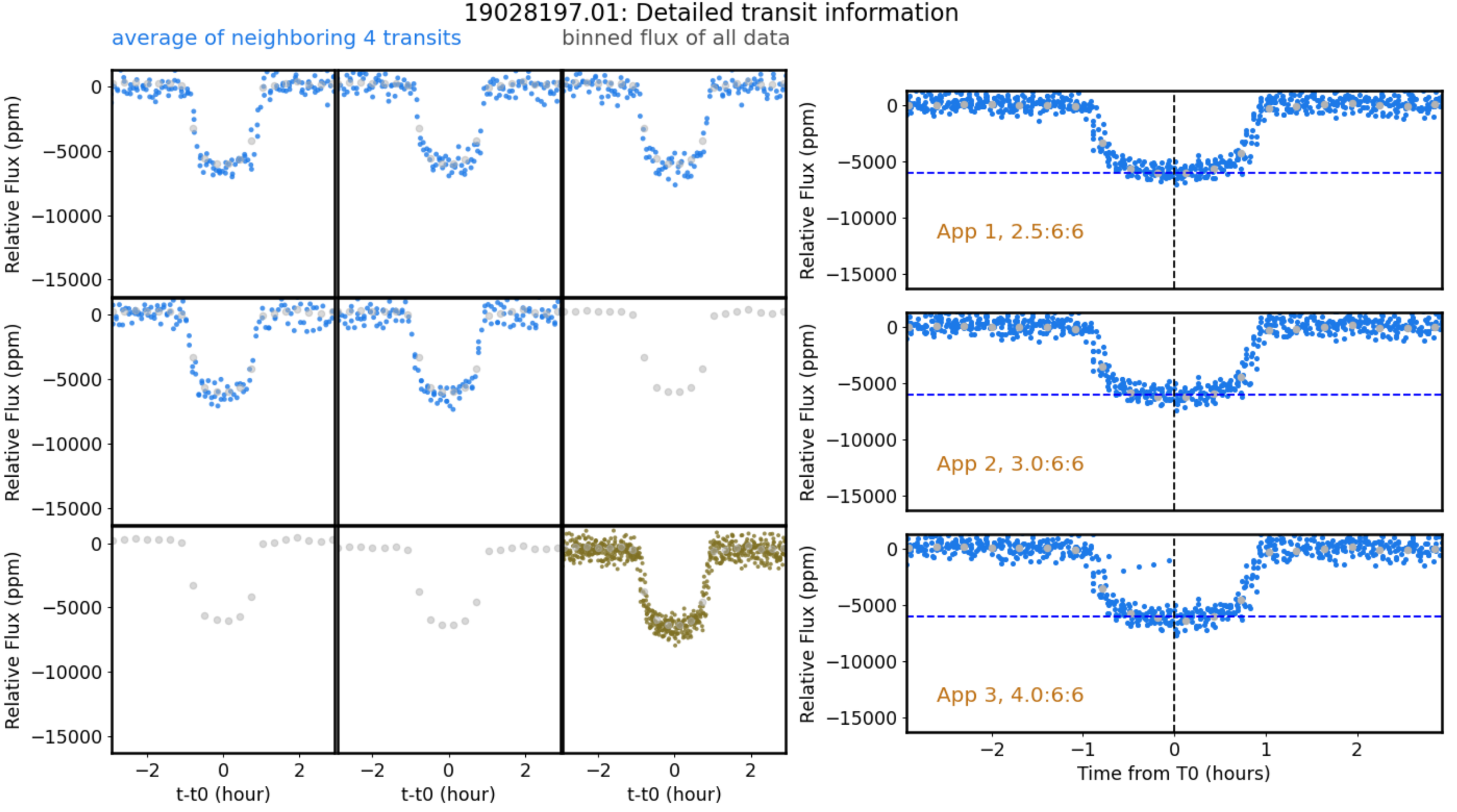
App detection

App large

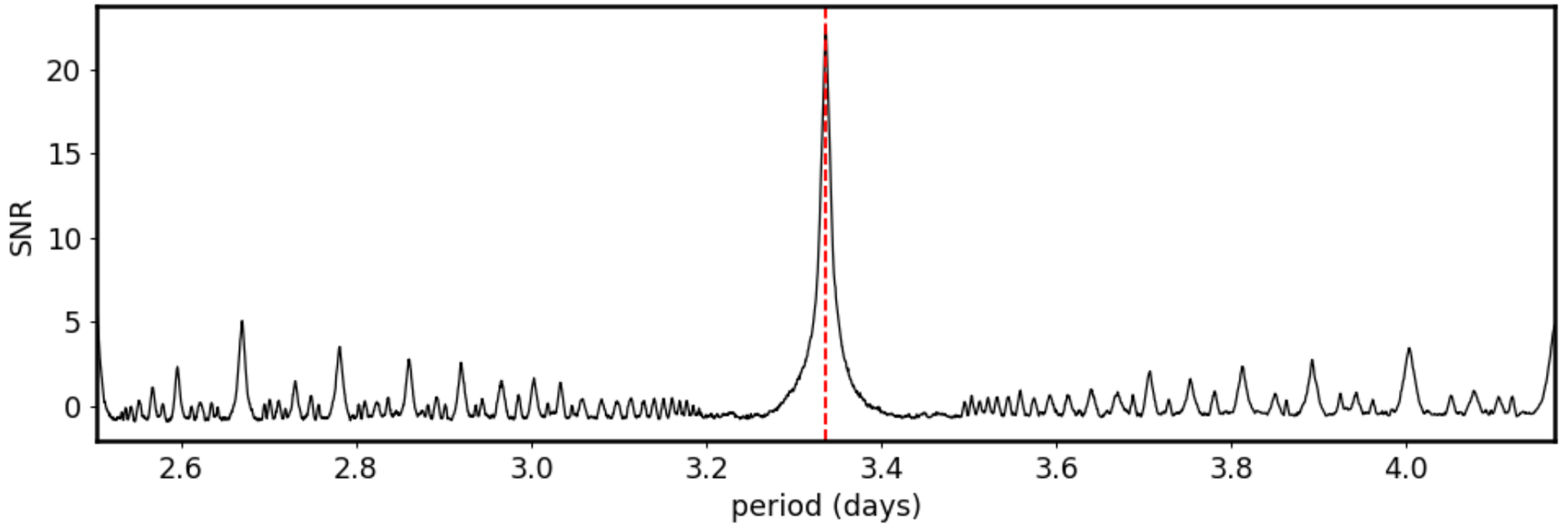
Relative Flux (ppm)

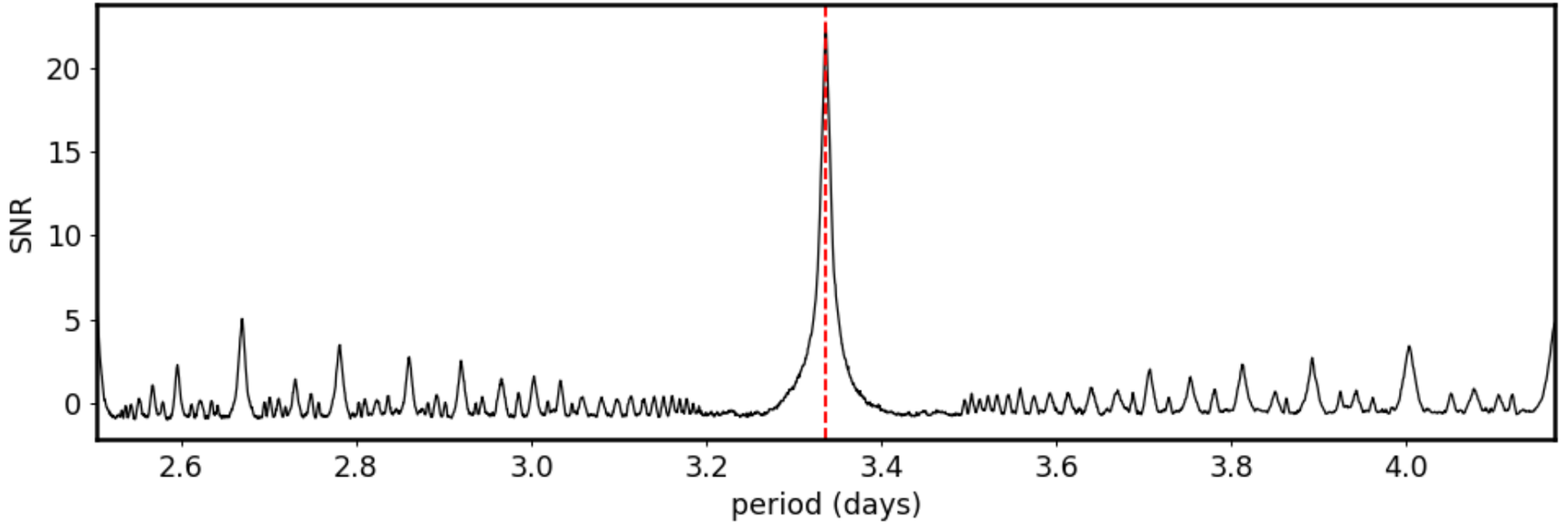
BJD time (day)


19028197.01: Detailed raw light curve information
0
−5000
2510
2520
2530
2540
2550
0
−5000
2560
2570
2580
2590
2600
Relative Flux (ppm)
BJD time (day)


19028197.01: Detailed transit information
average of neighboring 4 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: 221
Npointsbeforetransit: 232
Npointsintransit: 228
Ntransits: 20
OOTmag: 10.2
Period: 3.337
Qingress: 0.162
Qtran: 0.024
Rednoise: 0.0001
SDE: 11.6
SN: 44.0
SR: 0.00089
SignaltoPinknoise: 134.23
Tc: 2503.8686
Whitenoise: 0.00066
deltaChi2: -0.0079
fraconenight: 0.059
i1: 0.93
i2: 0.96