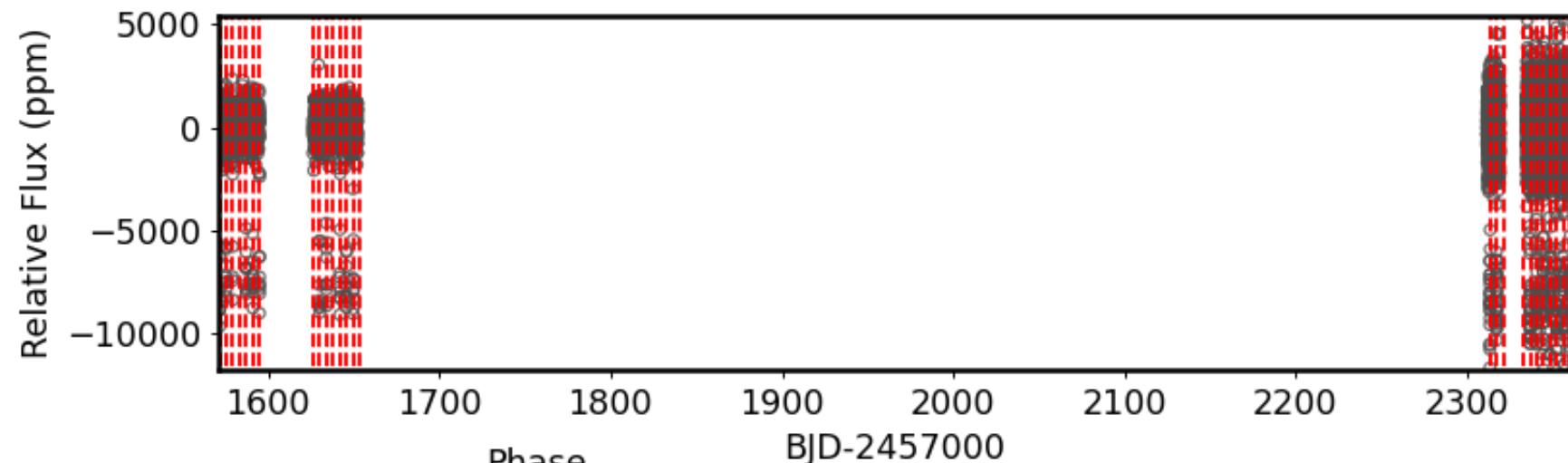
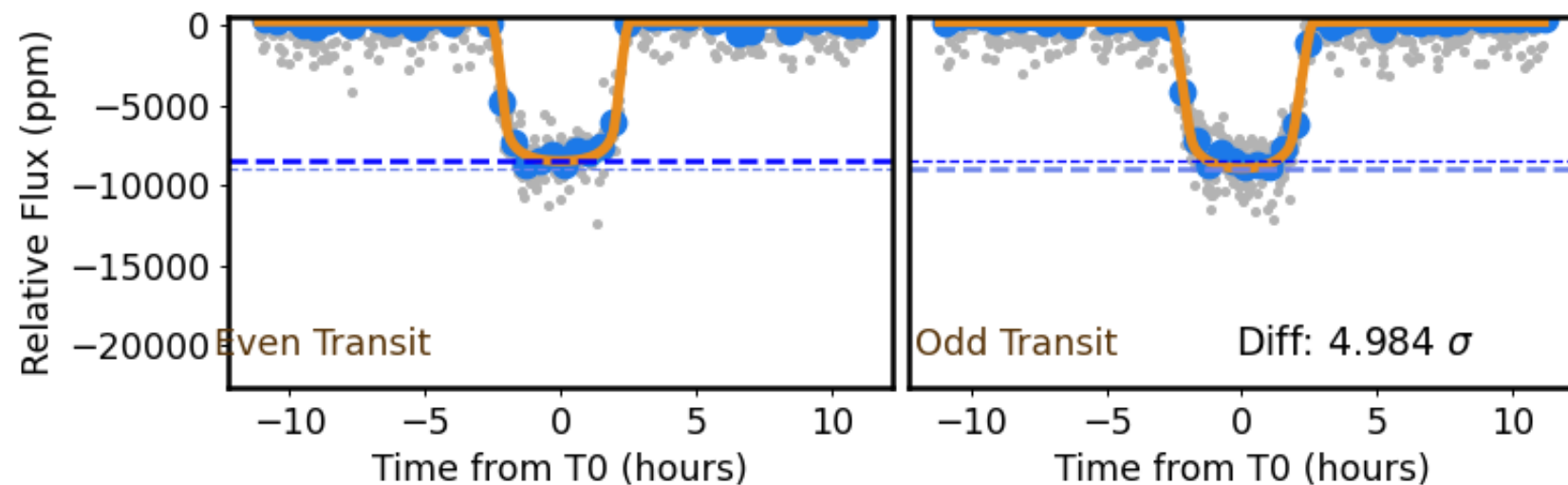
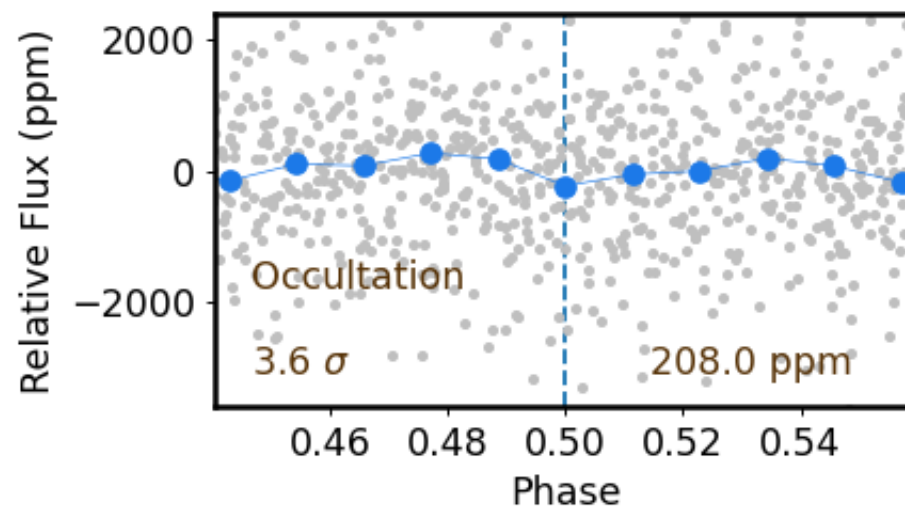
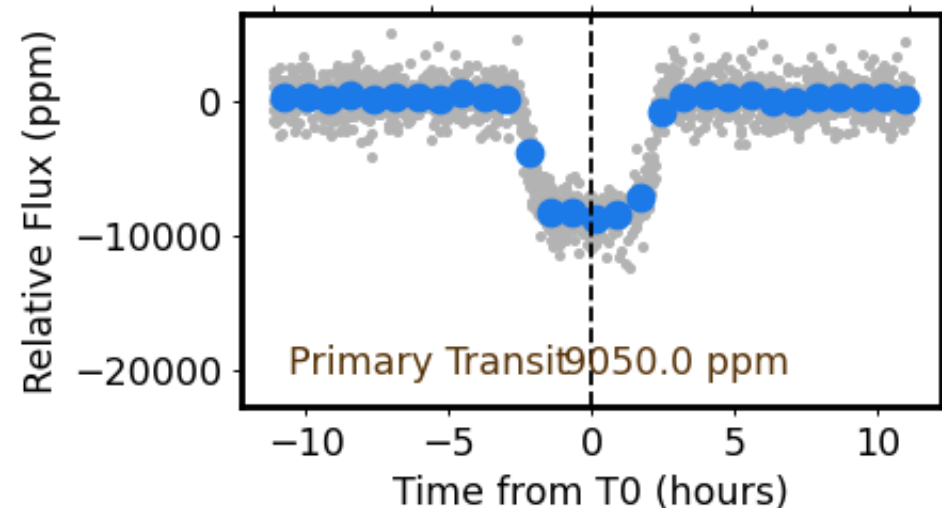


Detrended Full LC



Phase
-0.119 -0.059 0.000 0.060 0.119



TCE: *tess*454248975.01

$P = 3.902$ Day

$T_0 = 1571.798$ BJD

$R_p \sim 17.529$

$R_p/R_{star} \sim 0.095$

$T_{dur}/P \sim 0.054$

$T_{dur} \sim 5.066$ hr

$T_{12}/T_{14} \sim 0.152$

$SN_{BLS} \sim 29.8$ $SNR \sim 137.1$

Star: TIC454248975

$R_* \sim 1.7R_{\odot}$ $M_* \sim 1.0M_{\odot}$

$T_{eff} \sim 5512K$ $logg \sim 3.97$

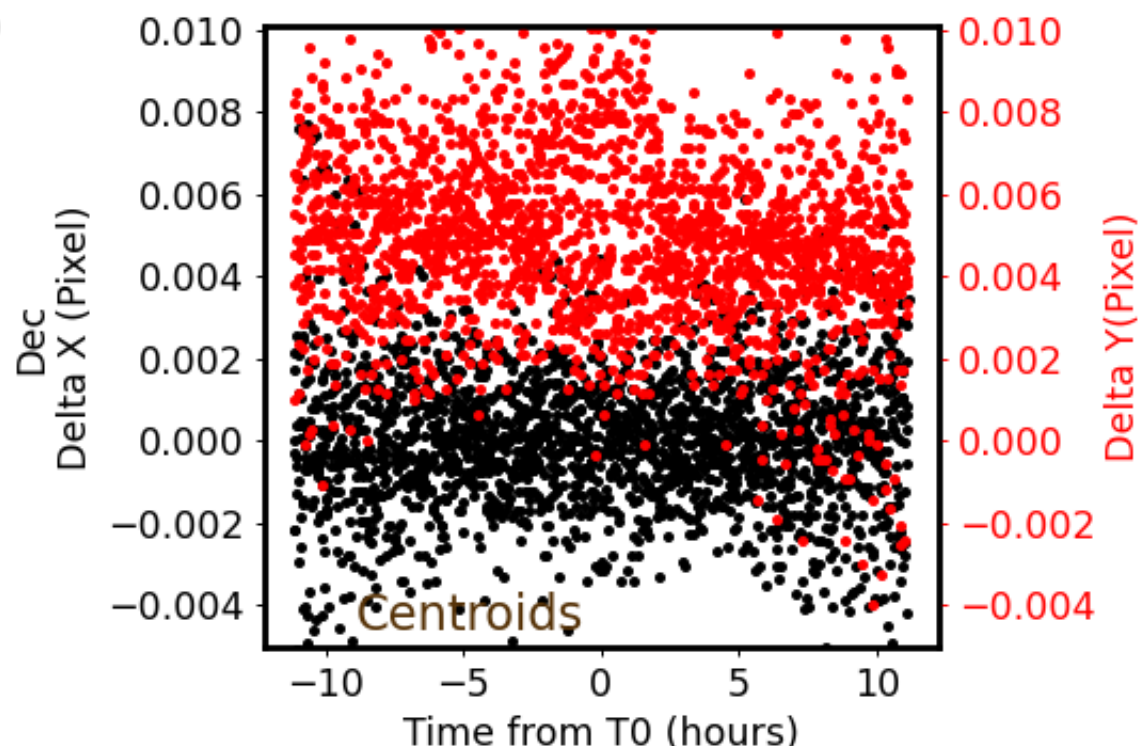
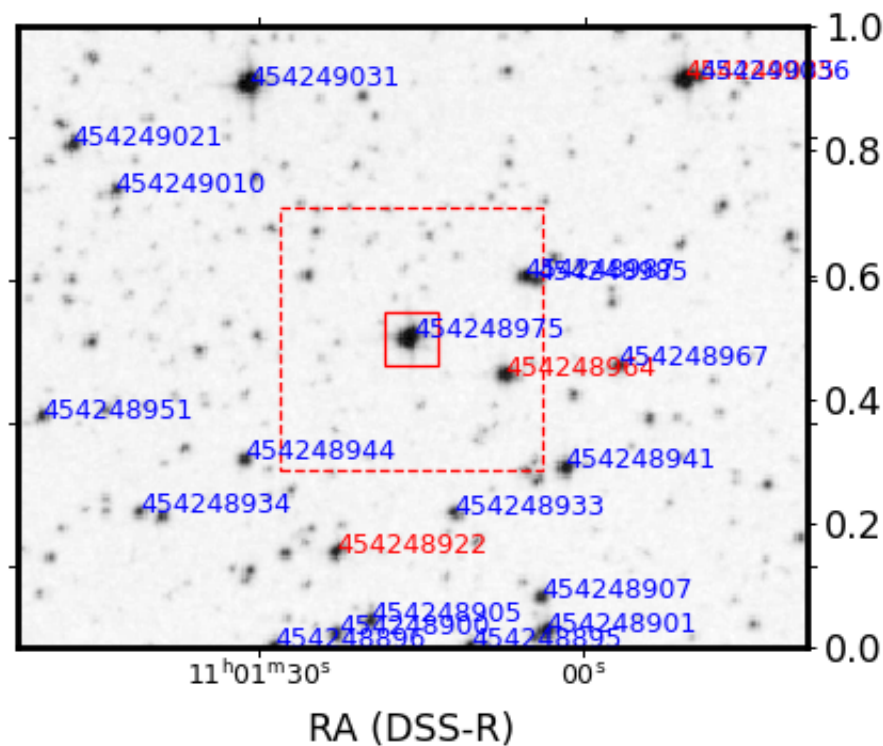
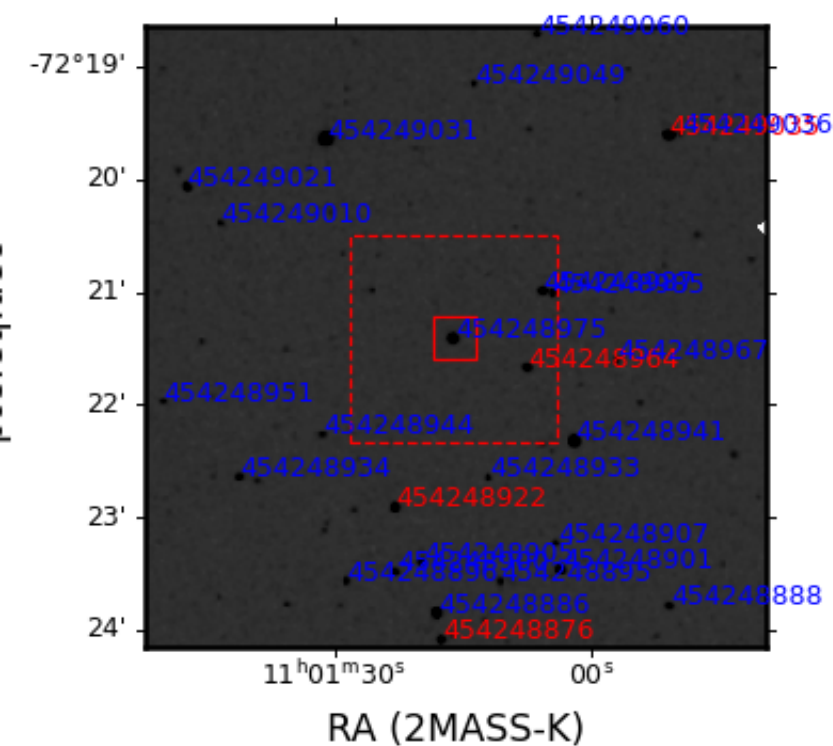
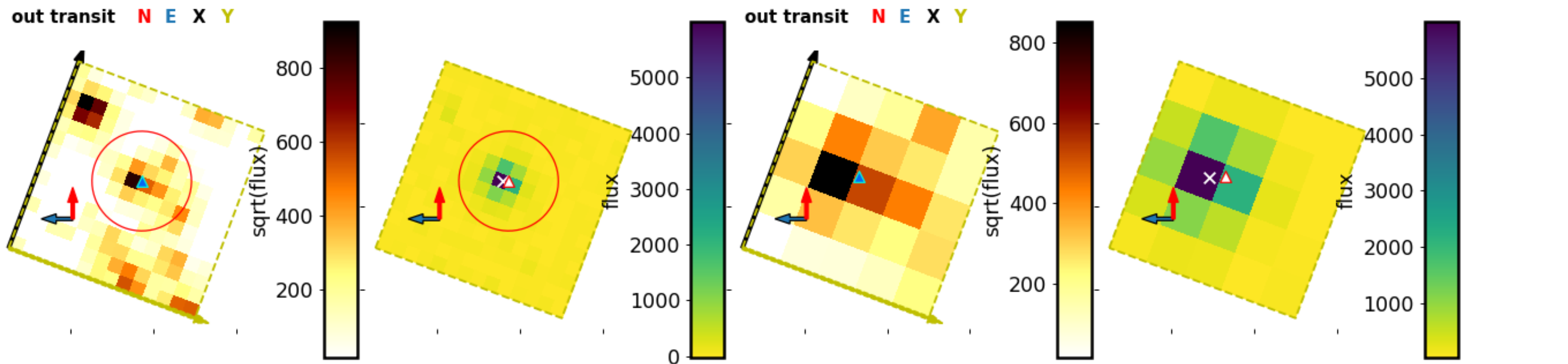
RA = 165.316 DEC = -72.357

TMag = 11.5 $J - K = 0.4$

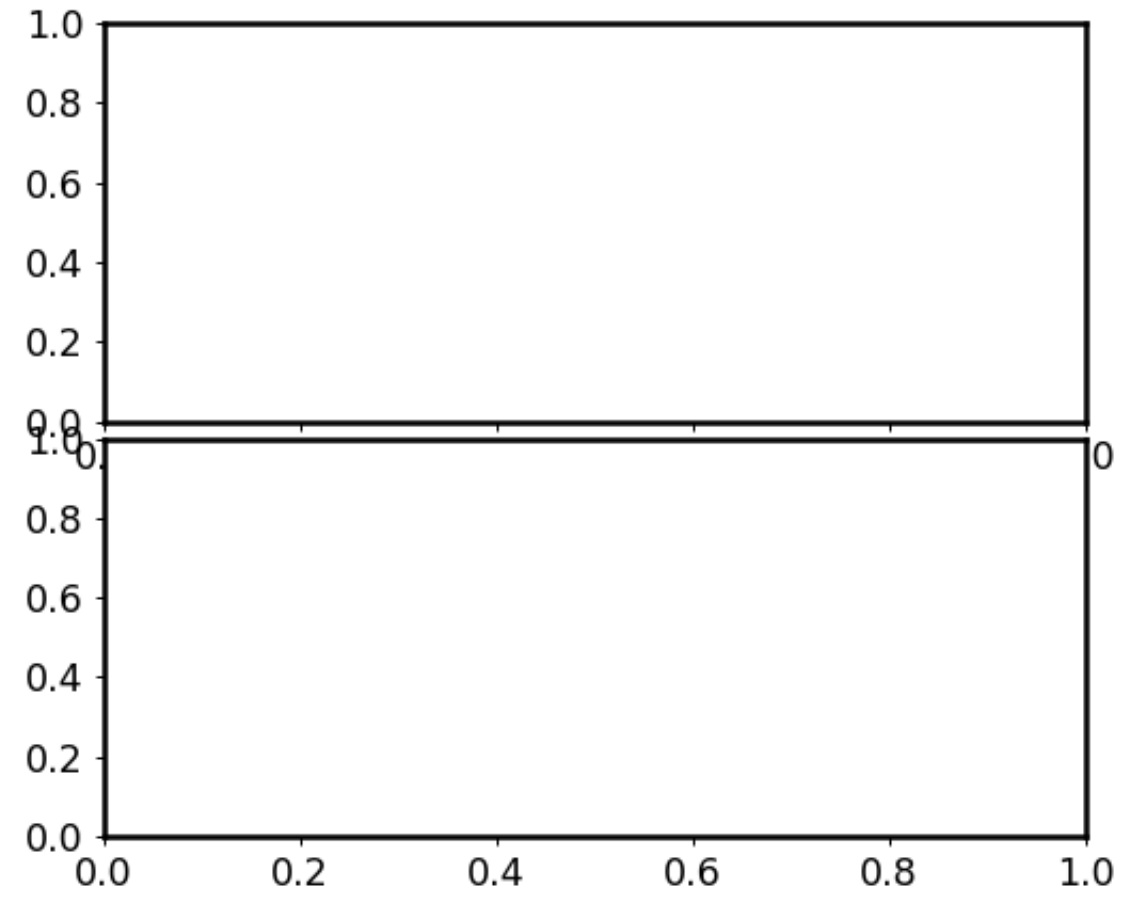
$gb - gr = nan$ $par = 2.5$

$pmra = -66.7$ $pmdec = 25.6$

454248975.01: Centroid Shift and Ephemeris Match (to most significant object)



454248975.01: Centroid Shift and Ephemeris Match (to most significant object)



Matched. tic:454248964 significance: 4.1, 2.9 sigma

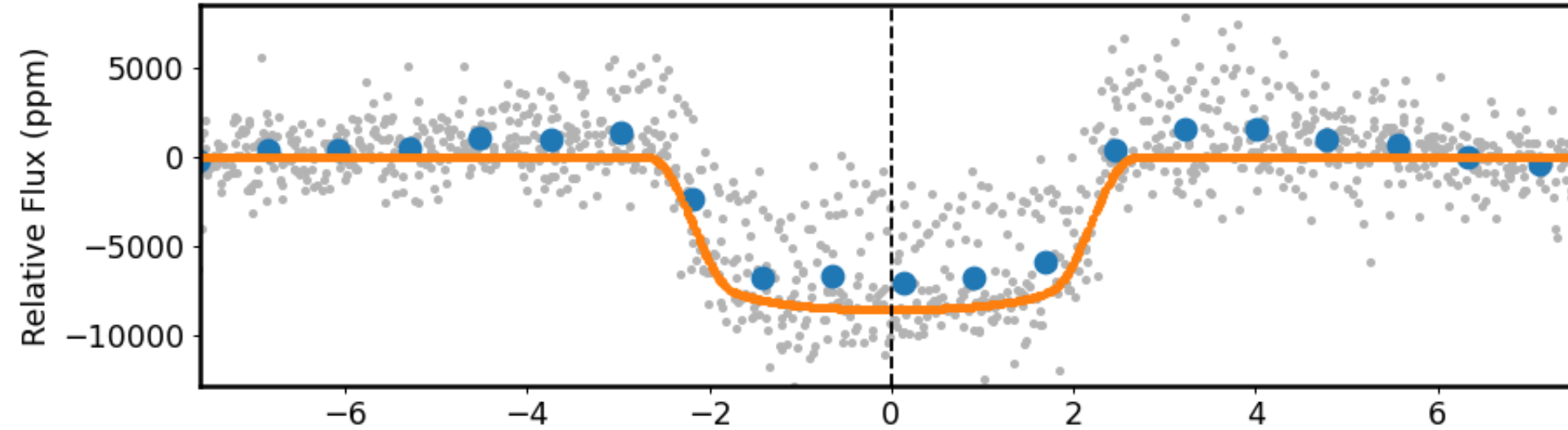
T: RA: 165.316 DEC: -72.357 Mag: 11.5 x: 377.7 y: 1907.1

M: RA: 165.280 DEC: -72.361 Mag: 13.1 x: nan y: nan

Pt: 3.90152 day ; Pm : 3.90139 day; Pm/Pt : 1.00

ID matching result: None

454248975.01: Detailed transit fitting information



MCMC parameters

per: 3.9014904171403852

inc: 88.76619885661361

ecc: 0.0

w: 90

u: [0.18383189252830548, 0.25375602860772695]

fp: None

t0: 2359.9029821 [2359.9024371, 2359.9035219]

b: 0.1432379 [0.0515144, 0.2831529]

a: 6.6522582 [6.4573060, 6.7305577]

rp: 0.0875845 [0.0869477, 0.0882835]

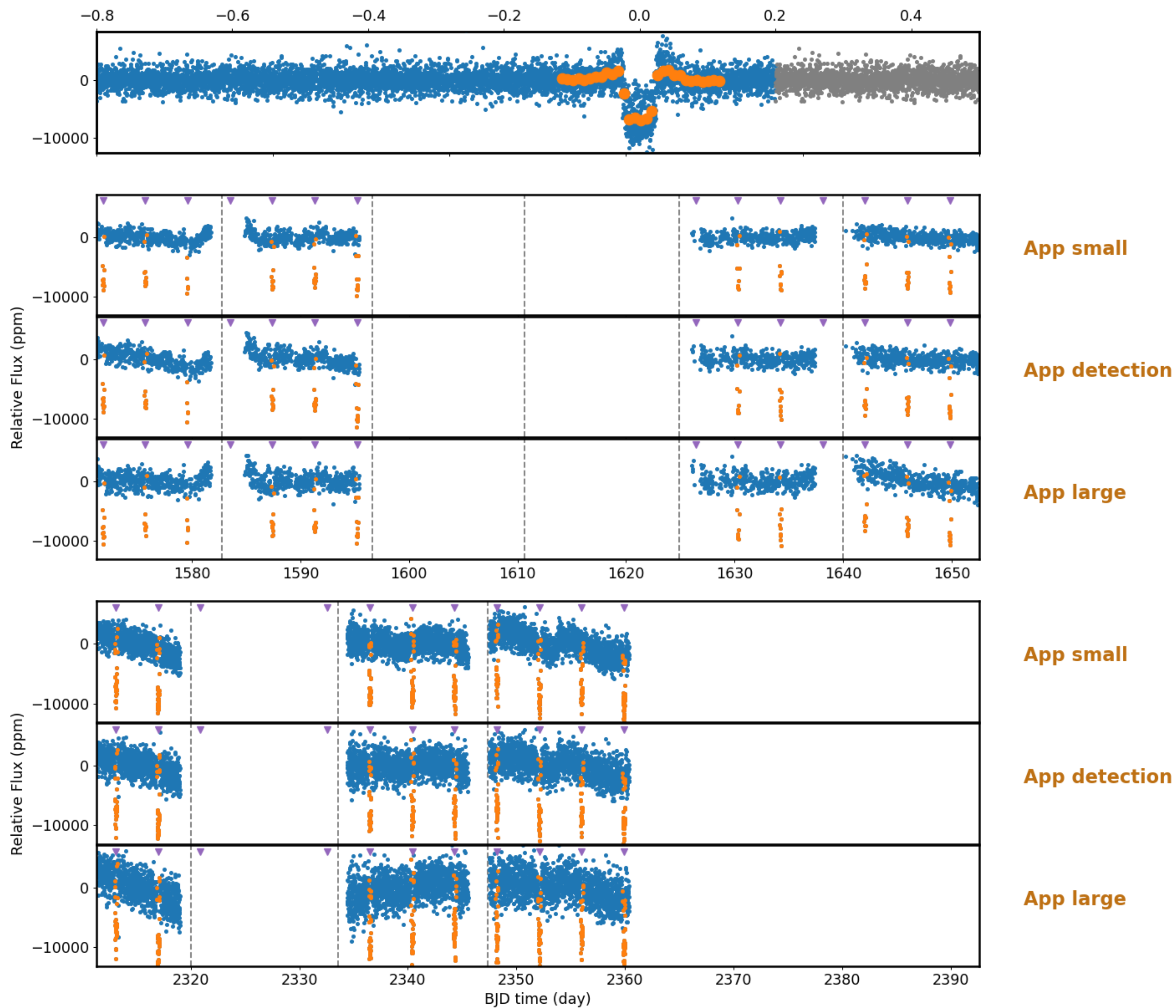
u1: 0.1838319 [0.1020387, 0.2680828]

u2: 0.2537560 [0.0889519, 0.4054141]

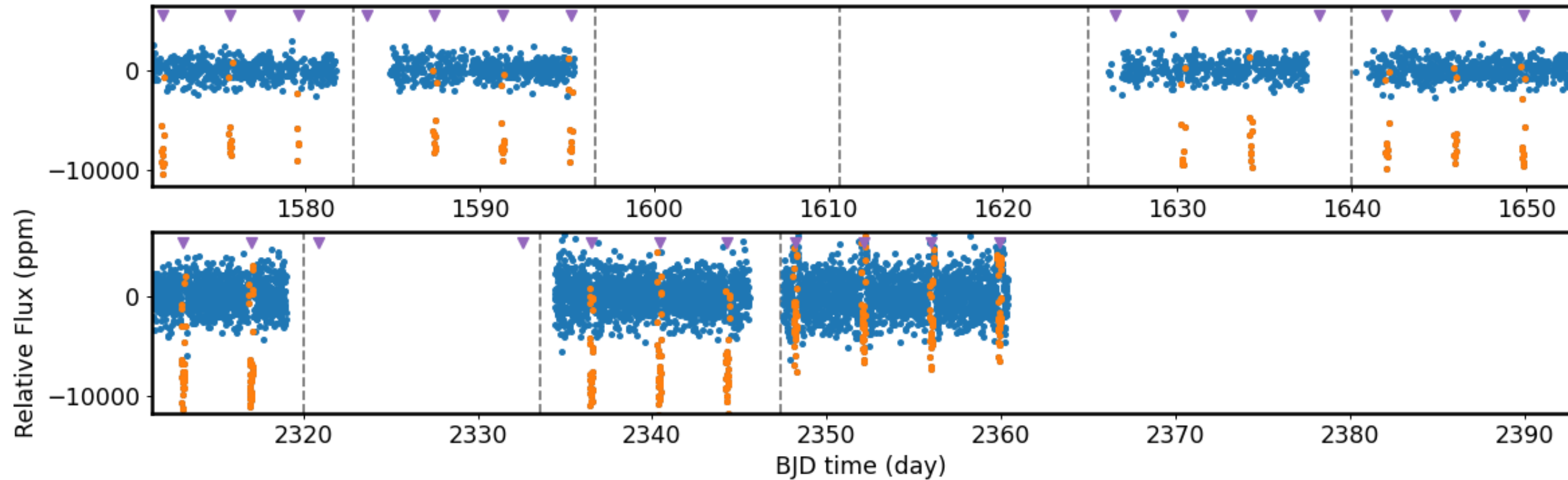
period: 3.9014904 [3.9014865, 3.9014943]

rhostarobs: 1.53 [1.4, 1.59]

454248975.01: Detailed raw light curve information



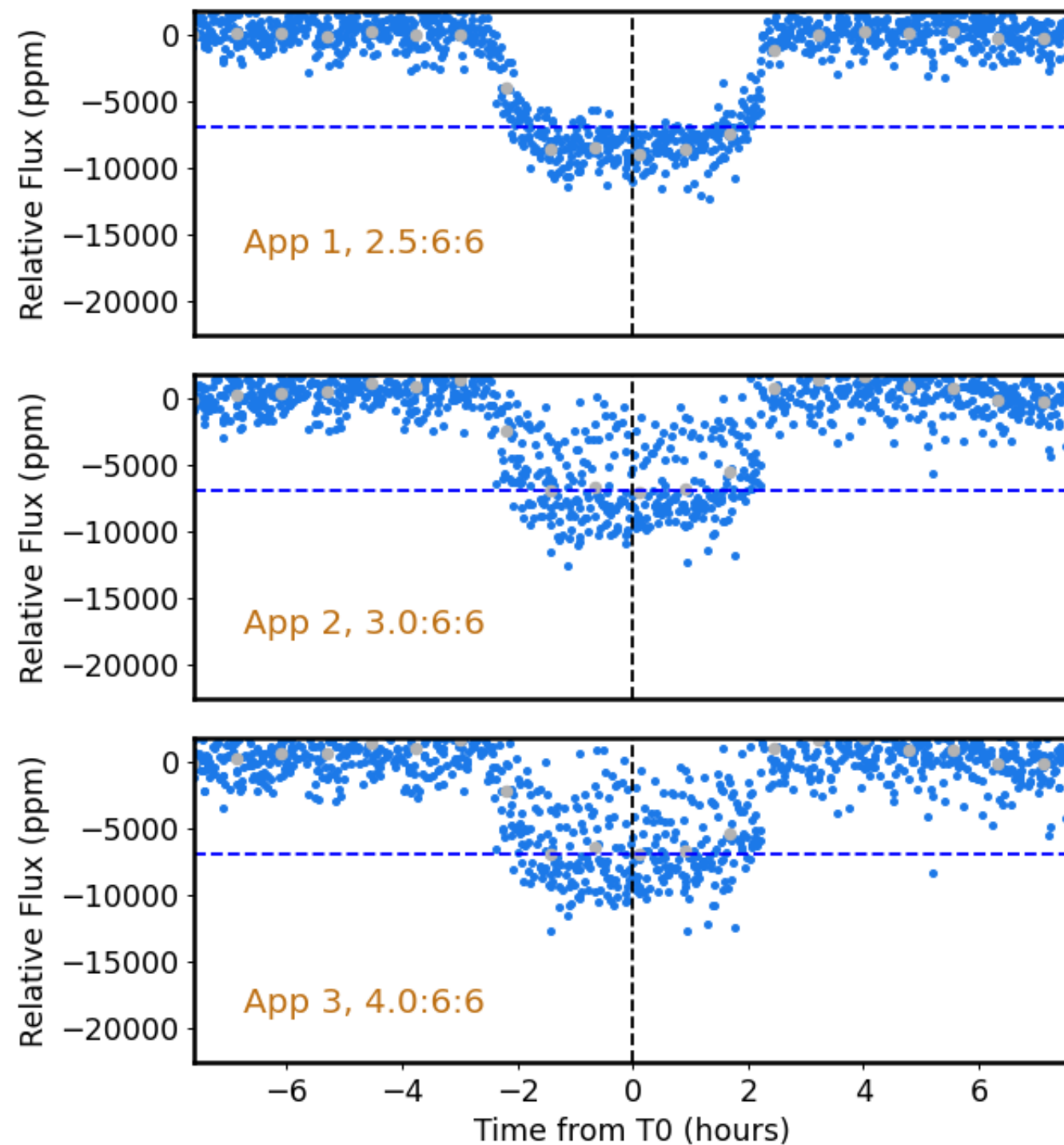
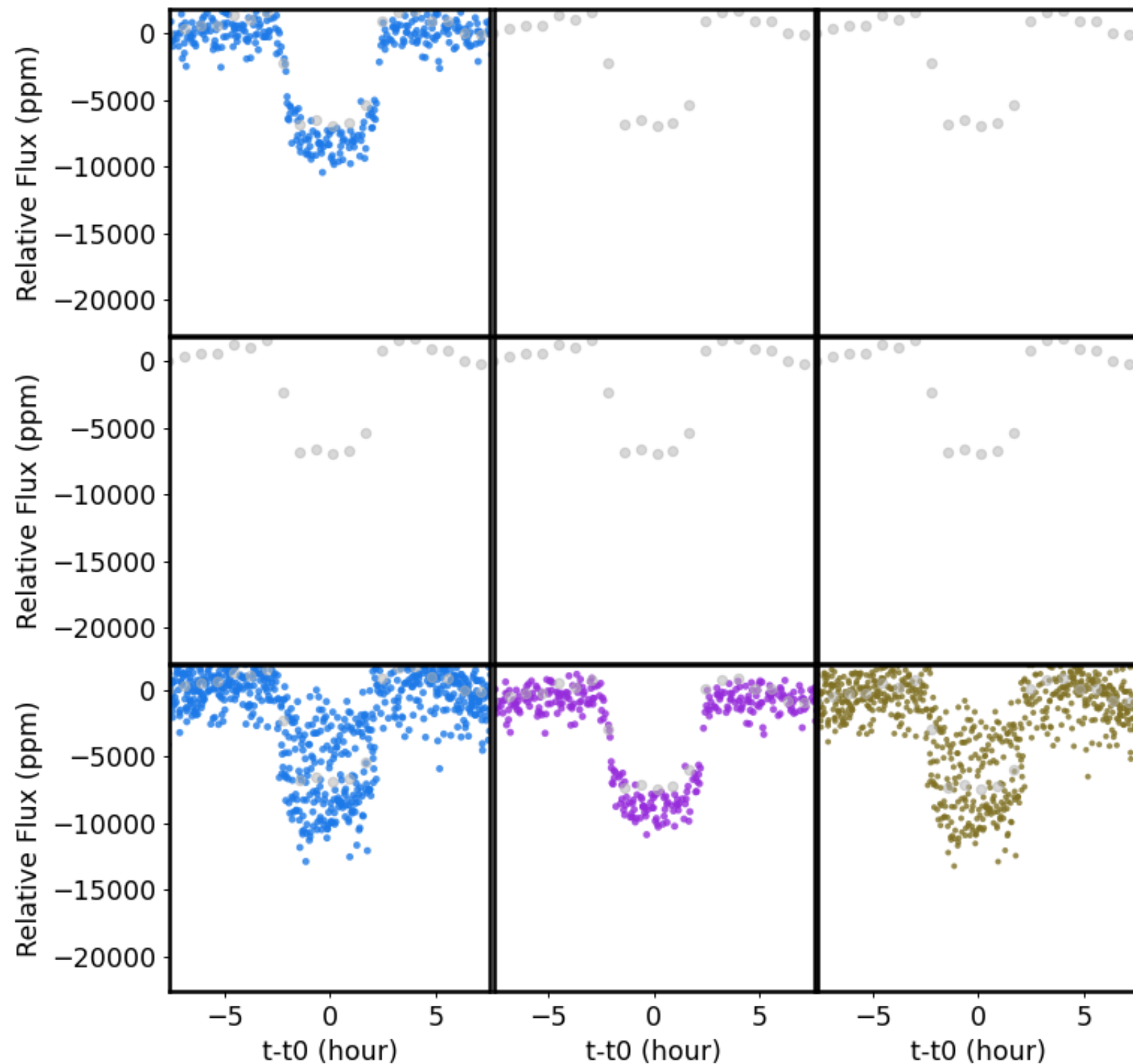
454248975.01: Detailed raw light curve information



454248975.01: Detailed transit information

average of neighboring 30 transits

binned flux of all data



454248975.01: BLS Analysis

454248975: BLS Data:

Depth: 0.0091
Npointsaftertransit: 374
Npointsbeforetransit: 383
Npointsintransit: 374
Ntransits: 20
OOTmag: 11.5
Period: 3.902
Qingress: 0.152
Qtran: 0.054
Rednoise: 0.00013
SDE: 13.2
SN: 29.8
SR: 0.0019
SignaltoPinknoise: 137.15
Tc: 1571.7980
Whitenoise: 0.0011
deltaChi2: -1.2e+02
fraconenight: 0.068
i1: 0.12
i2: 0.17

