

Planet: *tess*238176110.01

$P = 2.795$ Day

$T_0 = 1326.694$ BJD

$R_p \sim 11.864$

$R_p/R_{star} \sim 0.129$

$T_{dur}/P \sim 0.033$

$T_{12}/T_{14} \sim 0.129$

$SN_{BLS} \sim 9.0$ $SNR \sim 119.0$

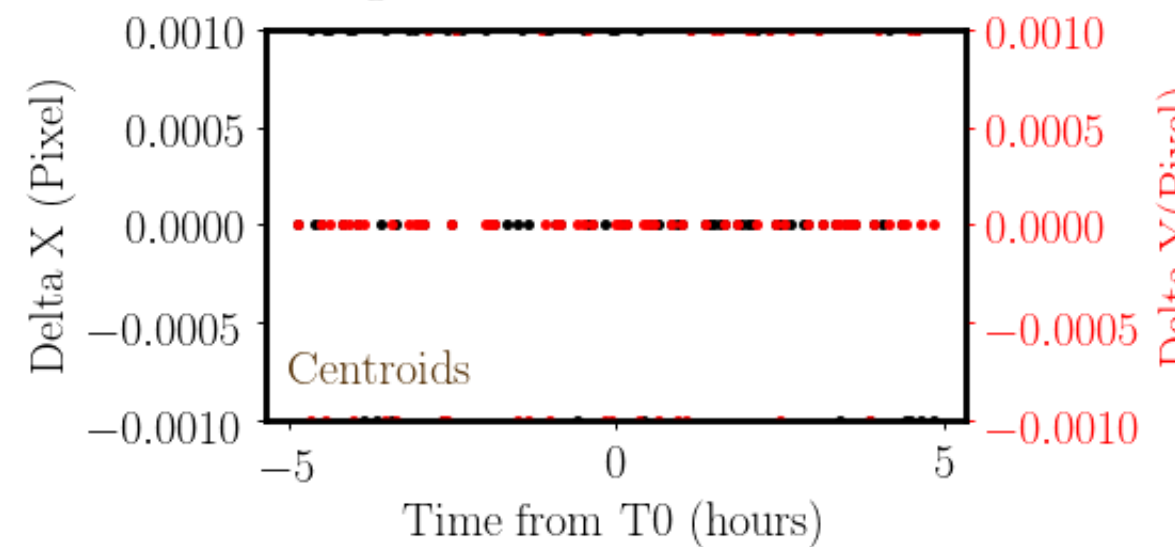
Star: TIC238176110

$R_* \sim 0.8R_{\odot}$ $M_* \sim 0.8M_{\odot}$

$T_{eff} \sim 5041K$ $logg \sim 4.49$

RA = 357.85 DEC = -70.15

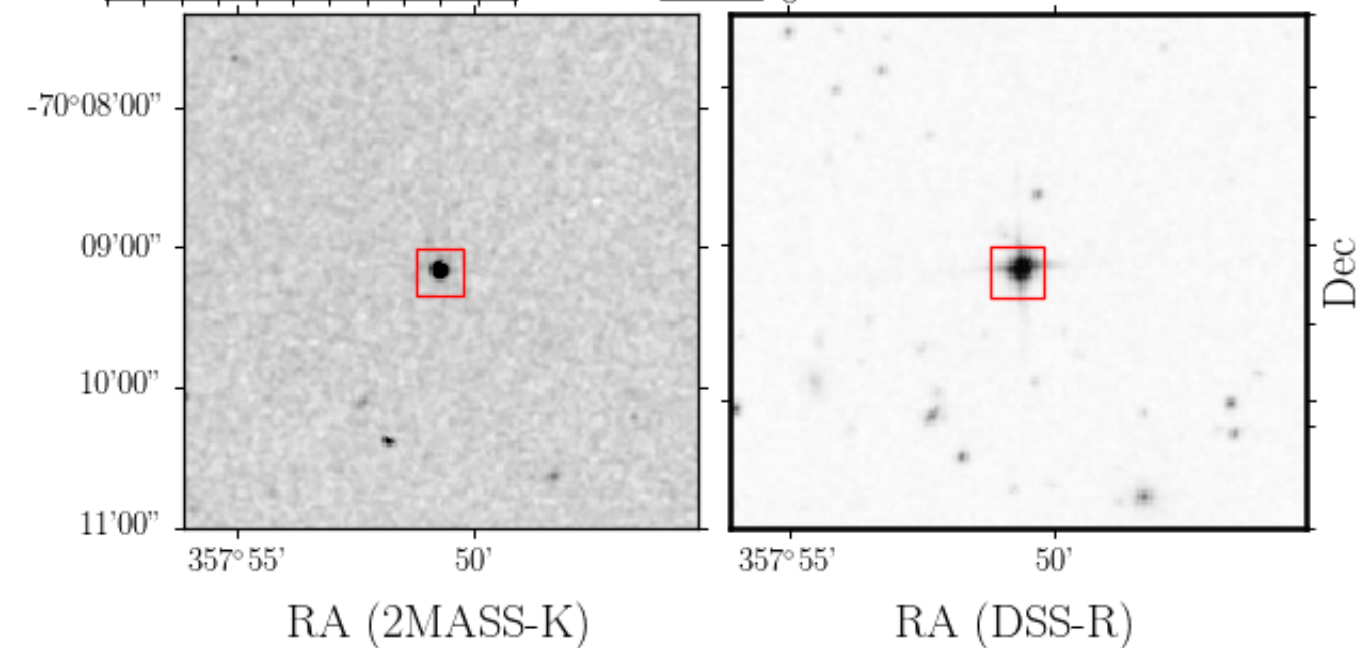
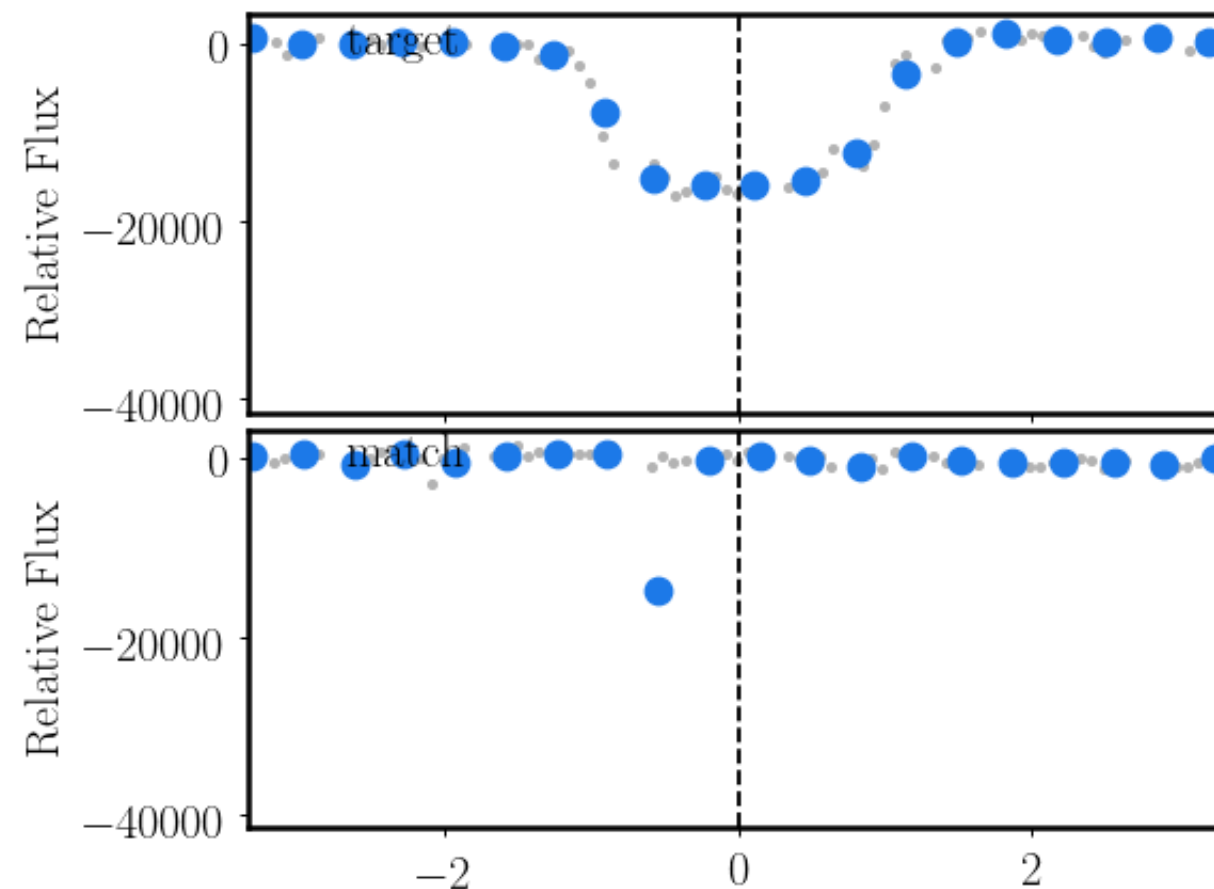
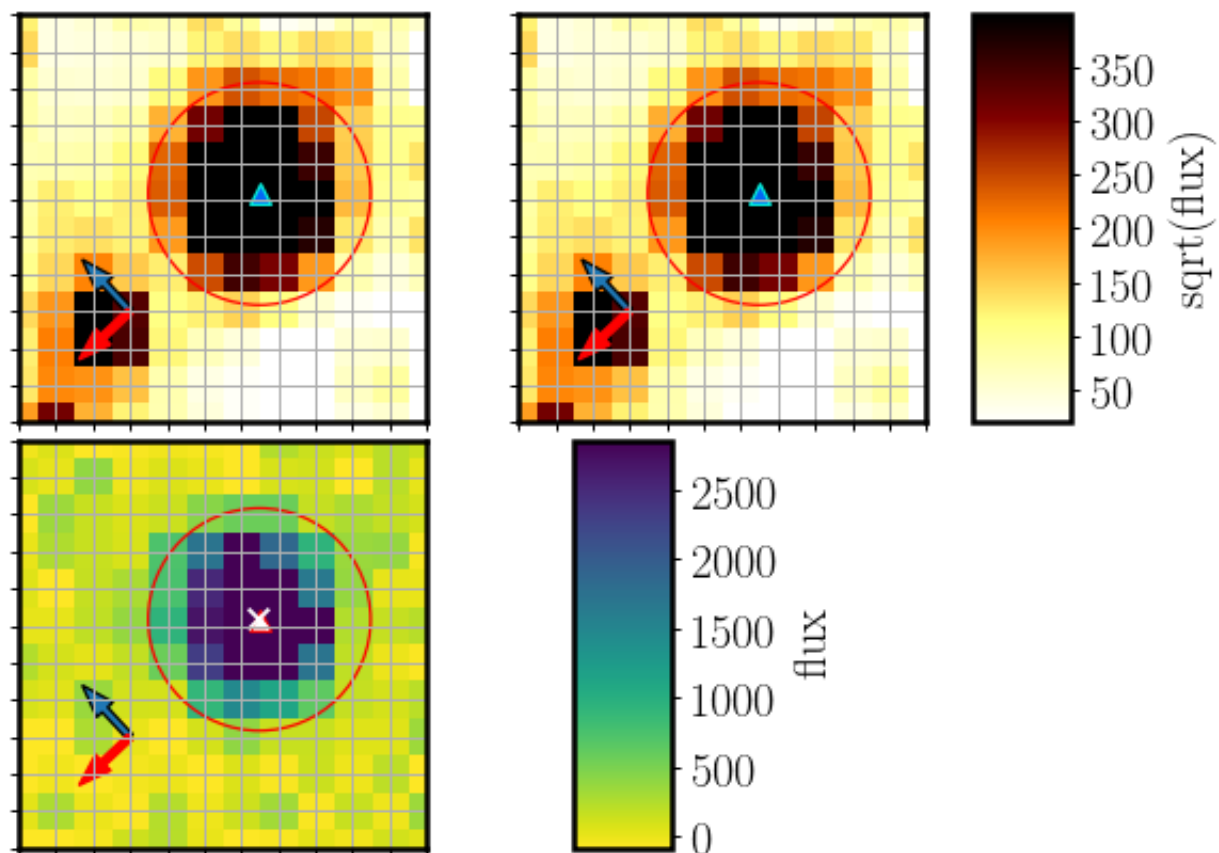
TMag = 11.0 $J - K = 0.6$ $gr - gb = -1.1$



238176110.01: Centroid Shift and Ephemeris Match (to most significant object)

in transit N E

out transit



Matched. tic:293508115 significance: 3.8, 3.6 sigma

T: RA: 357.845 DEC: -70.153 Mag: 11.0 x: 382.0 y: 920.7

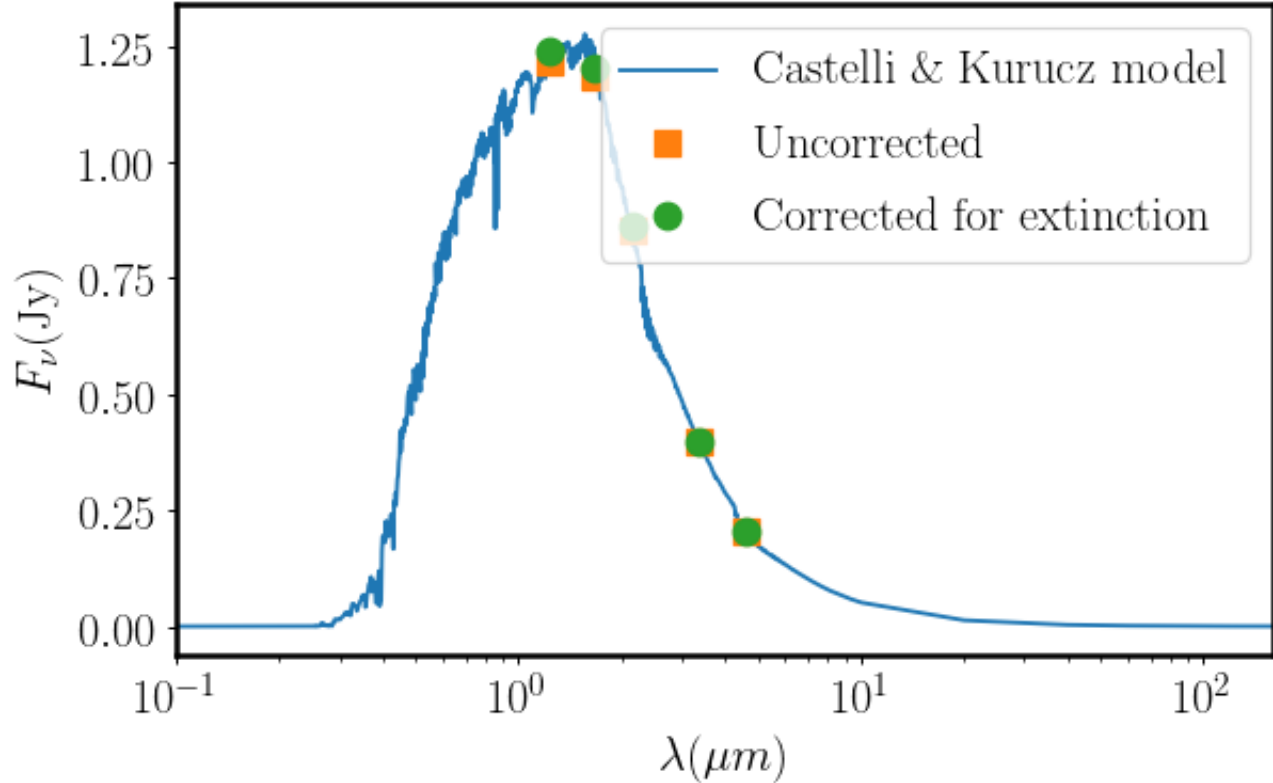
M: RA: 351.269 DEC: -76.294 Mag: 11.1 x: 1349.7 y: 1458.3

Pt: 2.79484 day ; Pm : 1.39751 day; Pm/Pt : 0.50

Near WASP-91, P = 2.798581, Epoch = 56297.719000

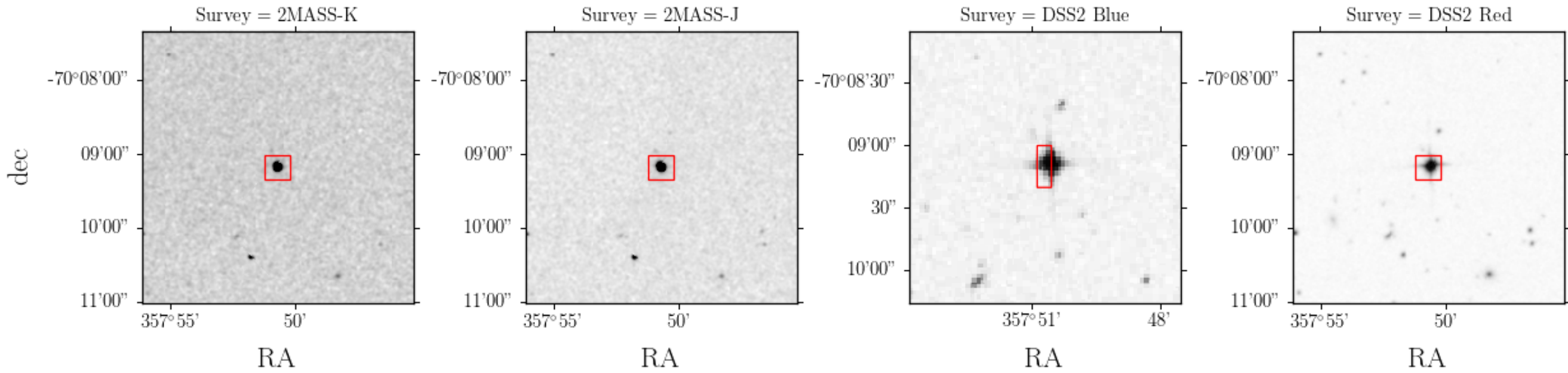
M: RA: 357.845, DEC: -70.153 Mag: 11.0 x: 384.0 y: 921.7

238176110: Extinction Curve & Finder Charts

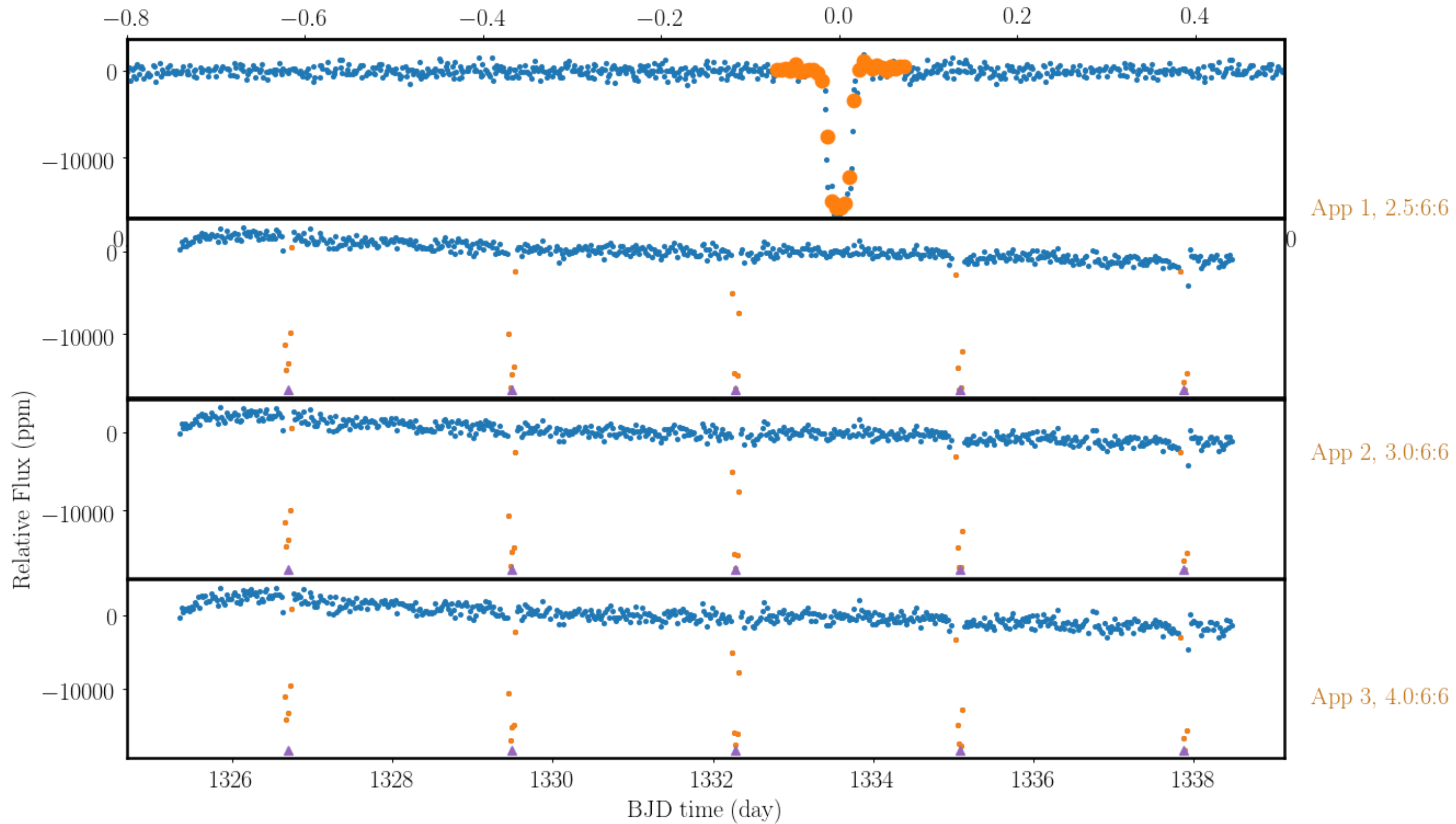


Stellar Parameters

teff: 4920.0	rmag: None
Teffsed: 5000	zmag: None
logg: 4.49371	jmag: 10.275
loggsed: 2.0	hmag: 9.838
rad: 0.86	kmag: 9.712
mass: 0.84	w1mag: 9.677
tmag: 10.991	w2mag: 9.752
umag: None	w3mag: 9.667
bmag: 12.734	w4mag: 8.958
gmag: None	



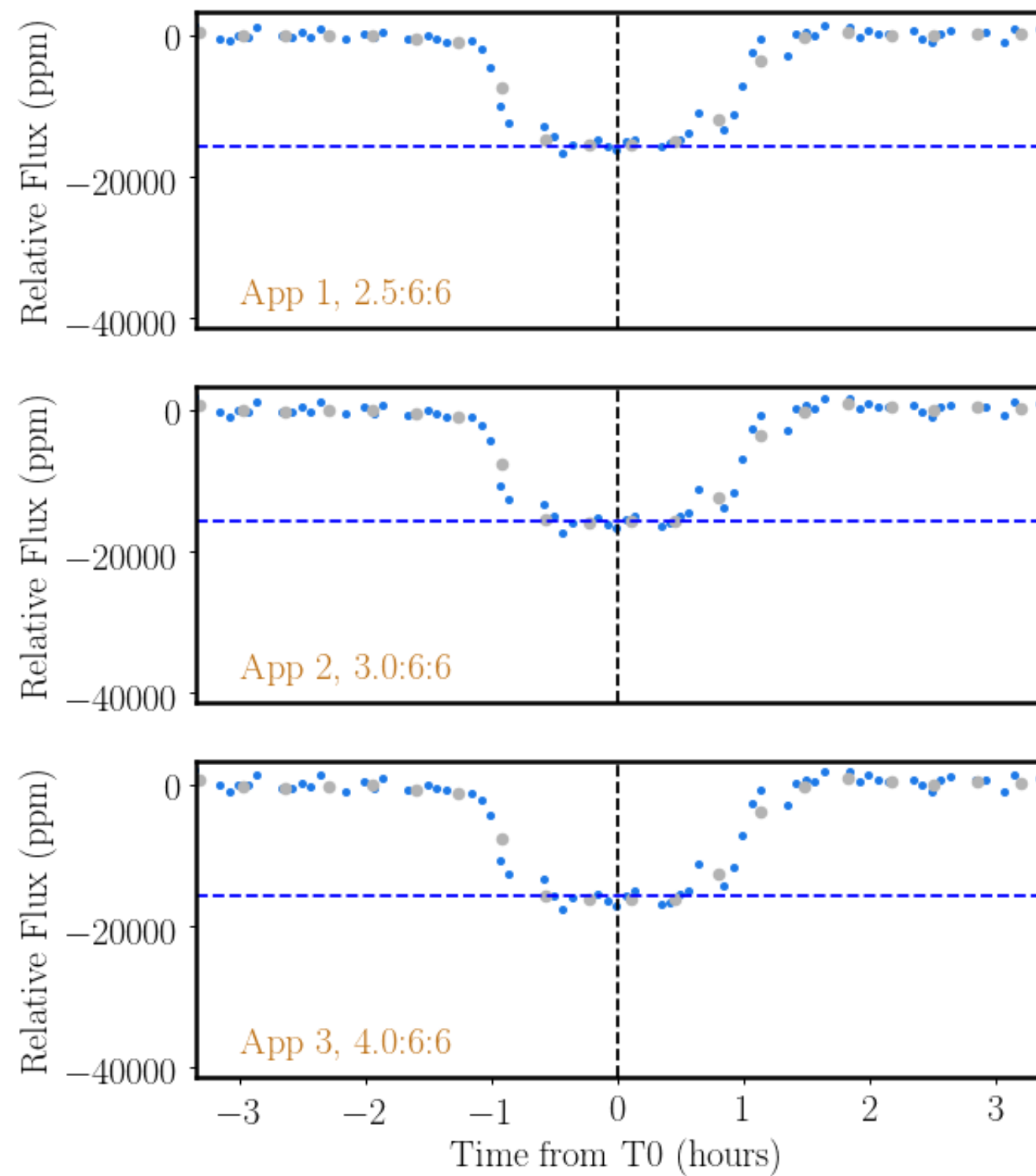
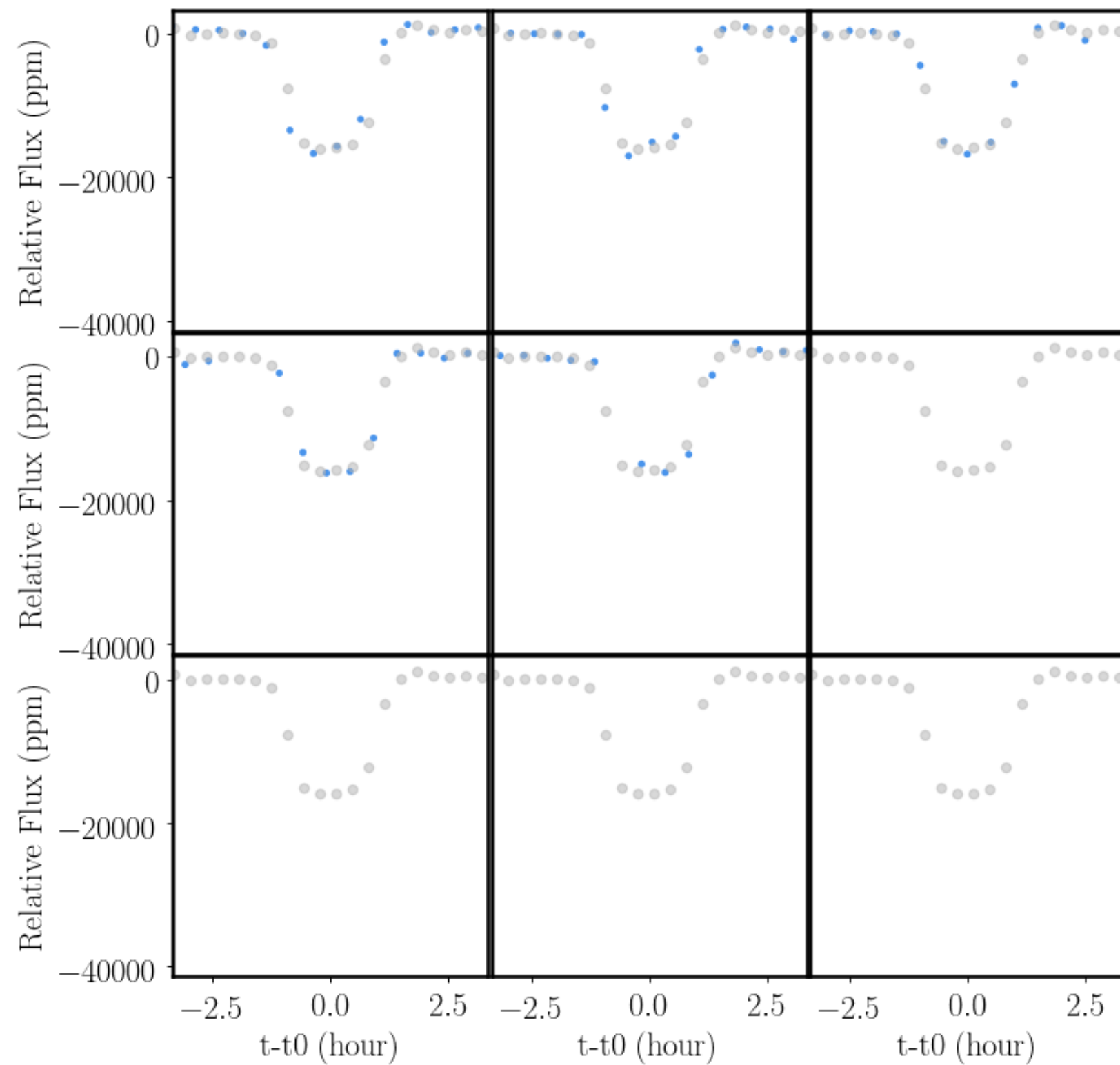
238176110.01: Detailed raw light curve information



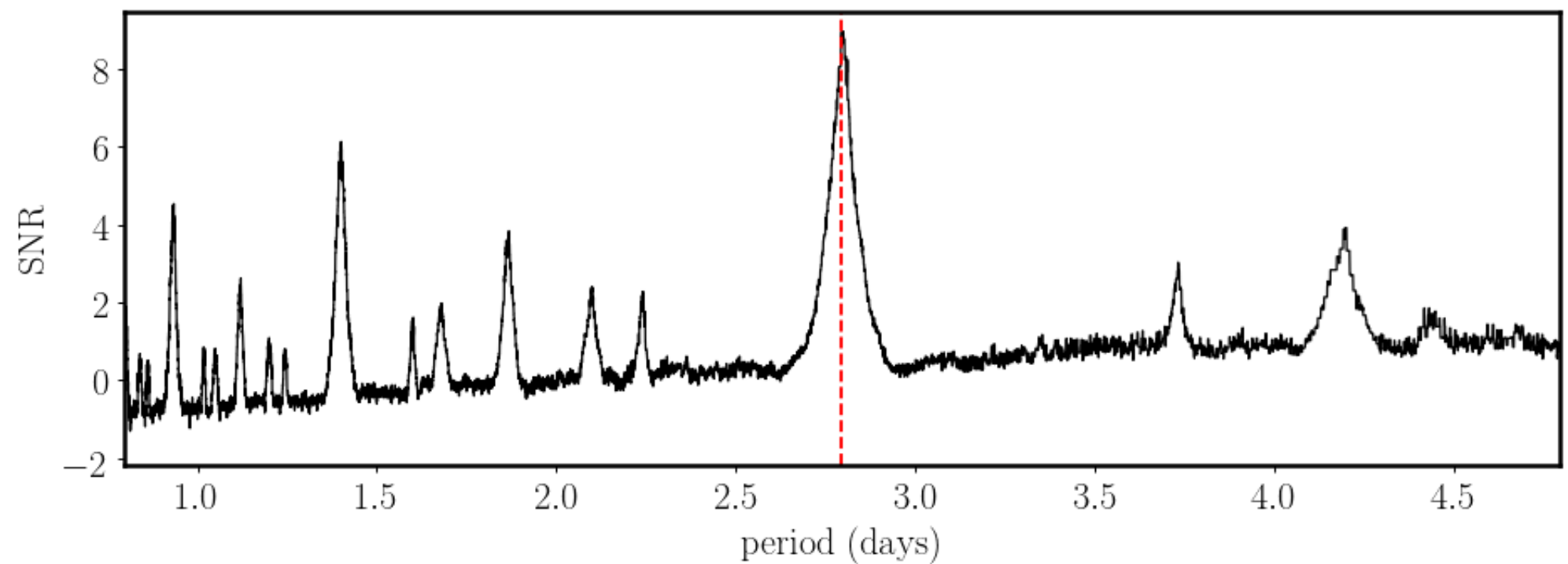
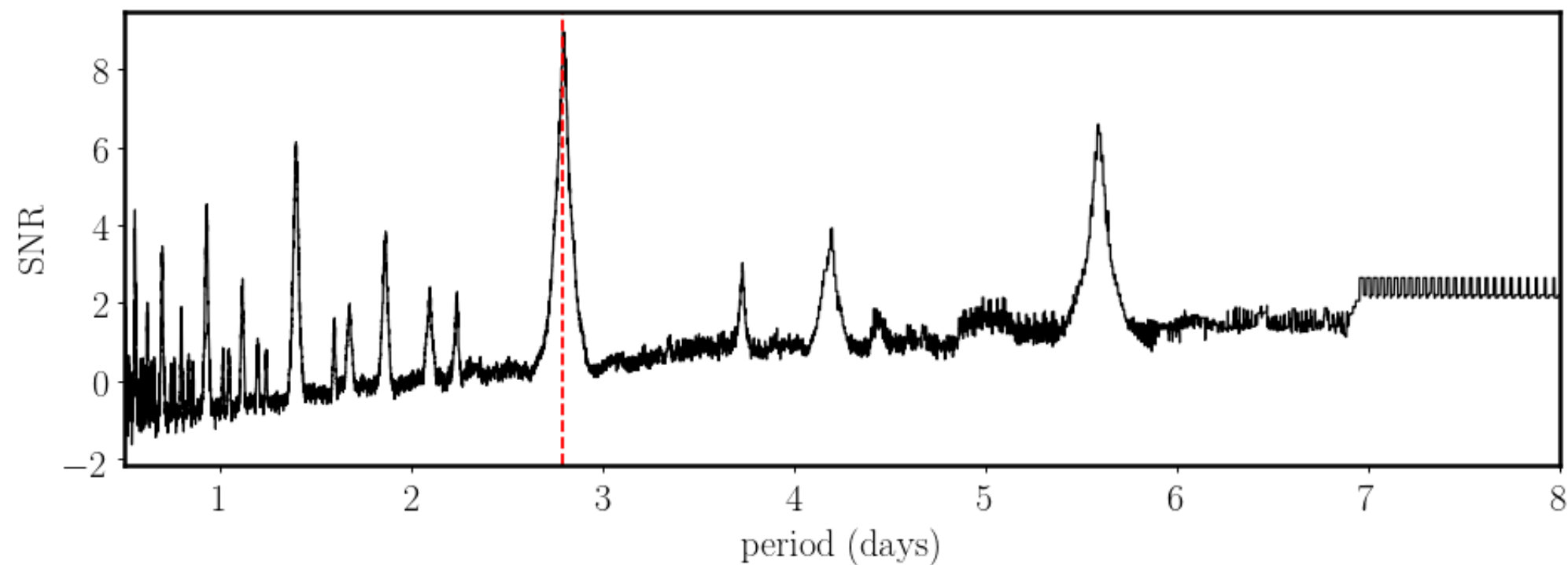
238176110.01: Detailed transit information

average of neighboring 1 transits

binned flux of all data



238176110.01: BLS Analysis



238176110: BLS Data:

Period: 2.795
 Tc: 1326.6939
 SN: 9.0
 SR: 0.0026
 SDE: 7.3
 Depth: 0.017
 Qtran: 0.033
 Qingress: 0.129
 OOTmag: 11.0
 i1: 0.46
 i2: 0.49
 deltaChi2: -0.0041
 fraconenight: 0.23
 Npointsintransit: 21
 Ntransits: 5
 Npointsbeforetransit: 19
 Npointsaftertransit: 20
 Rednoise: 0
 Whitenoise: 0.00064
 SignaltoPinknoise: 119.02