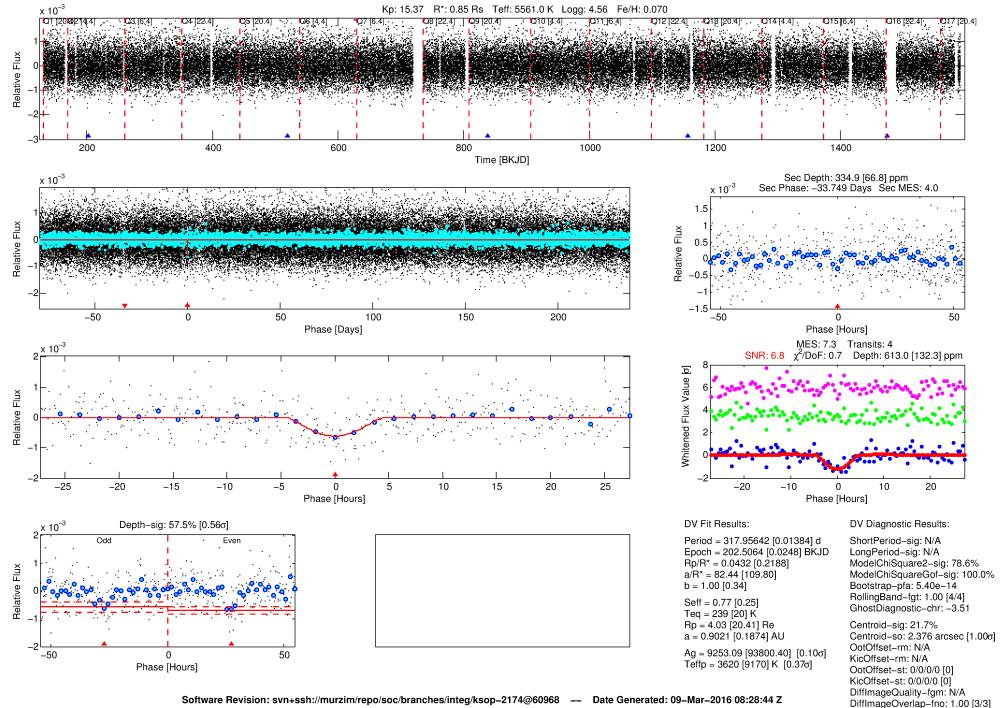
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED

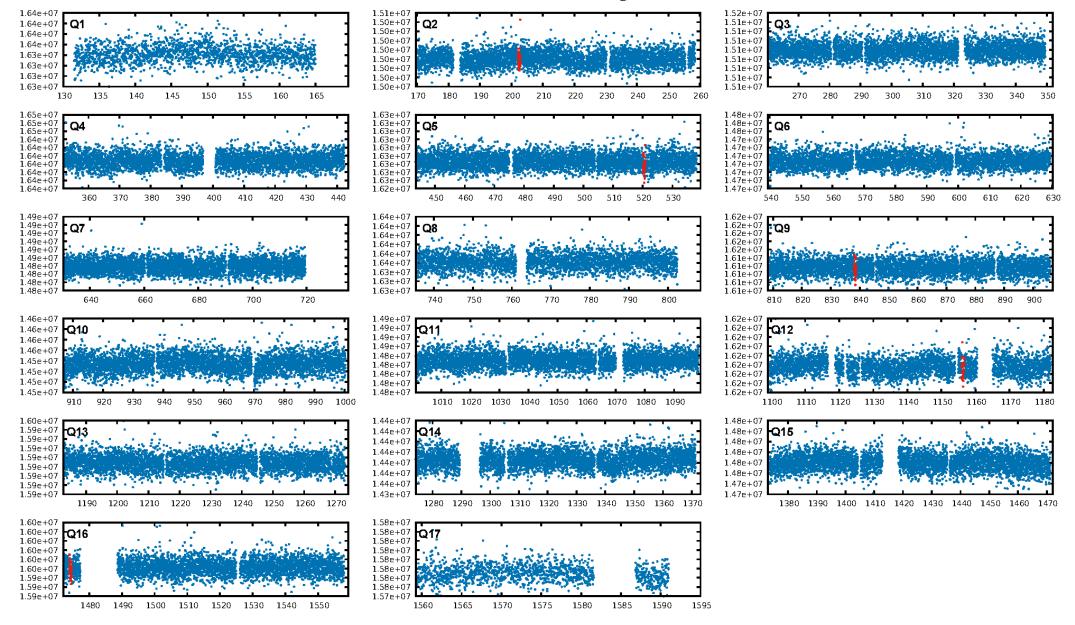
DV One-Page Summary

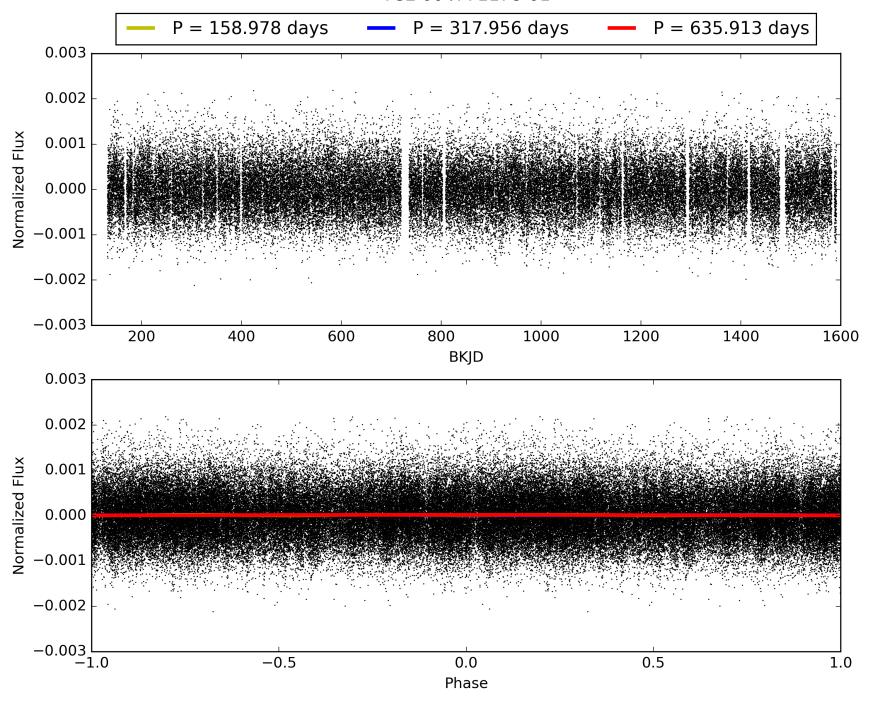
KIC: 4771178 Candidate: 1 of 1 Period: 317.956 d

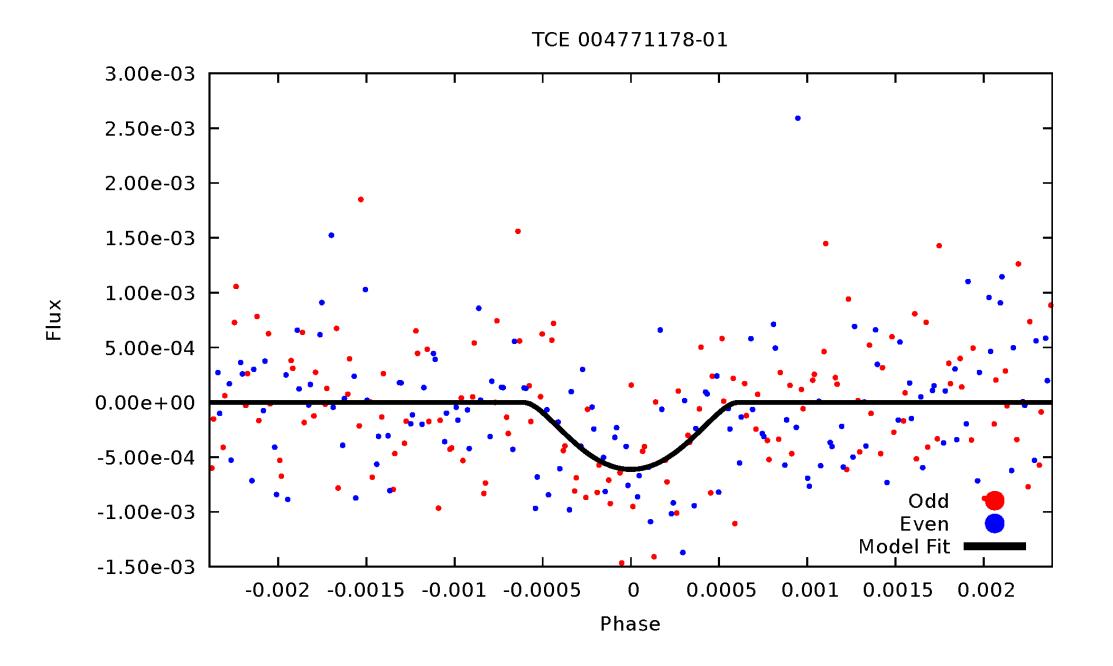
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED



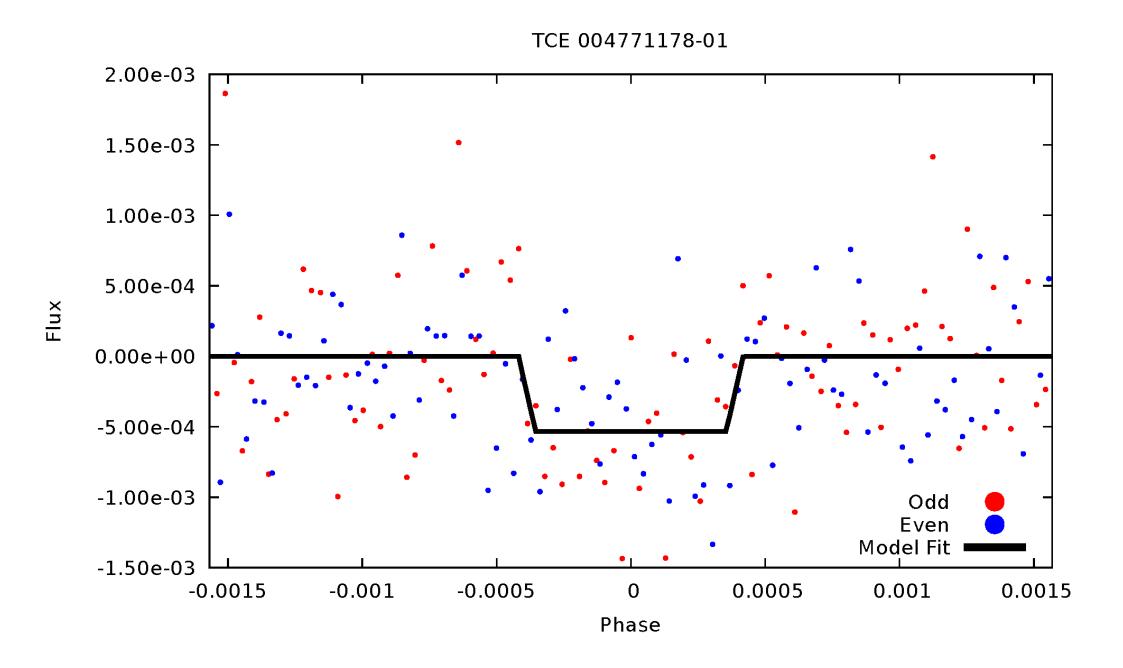
TCE 004771178-01, PDC Light Curves



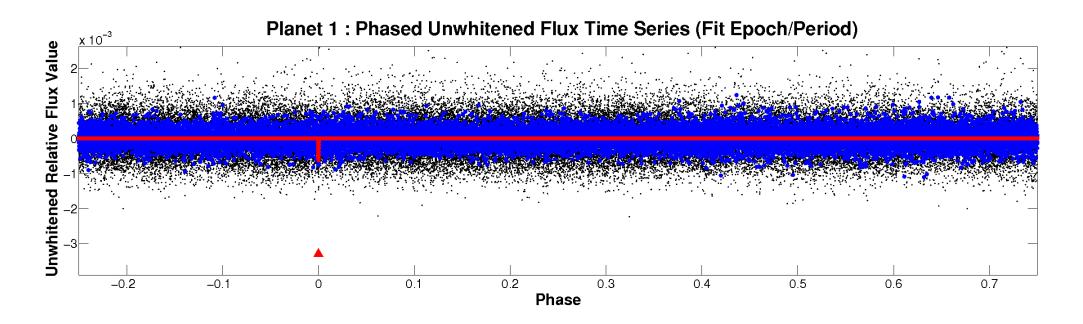


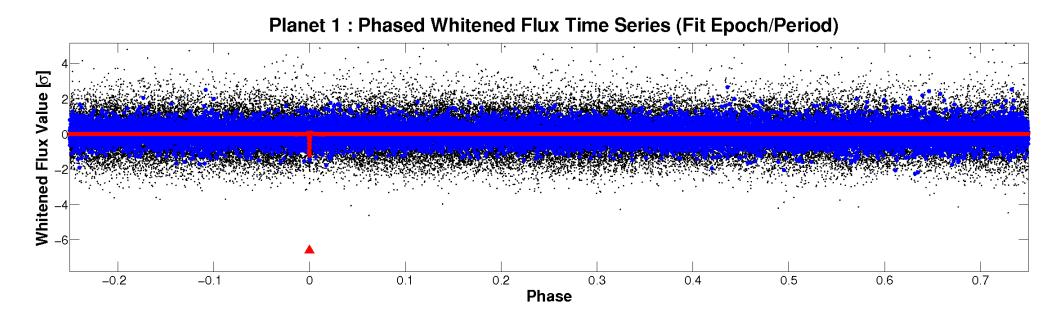


ALT Odd/Even



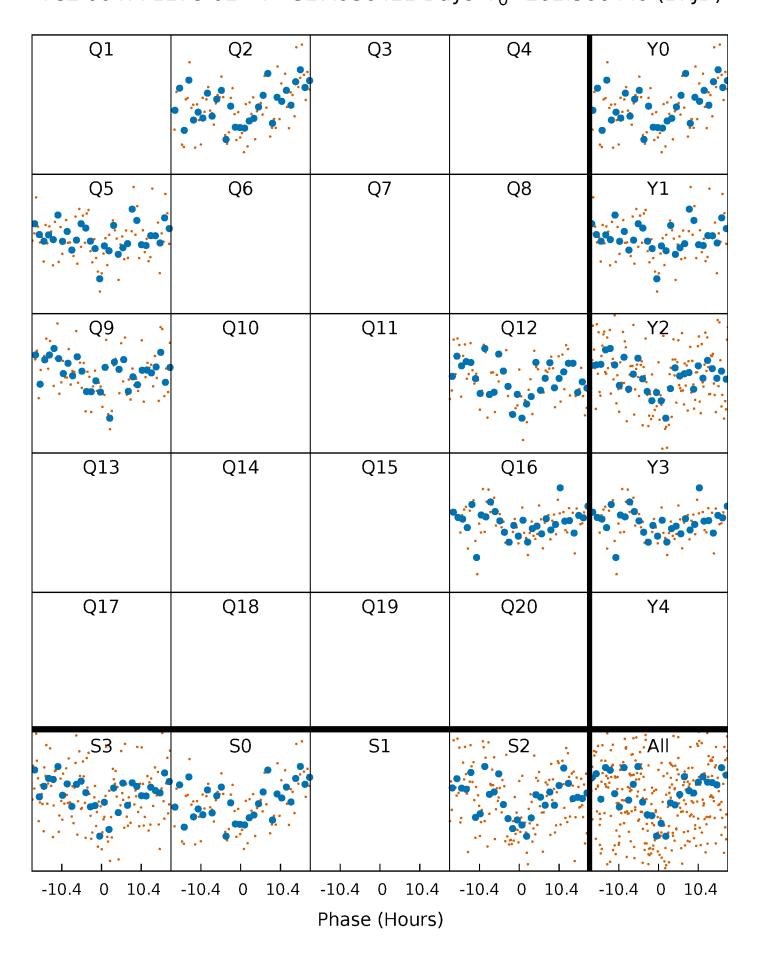
Non-Whitened Vs. Whitened Light Curve





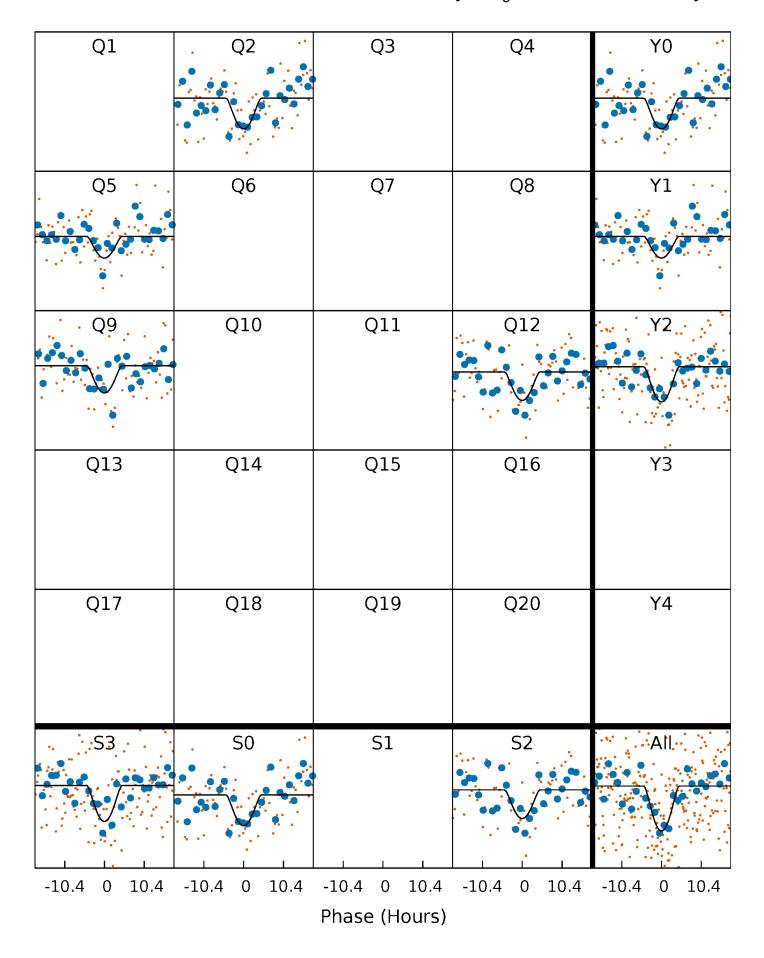
PDC Quarter-Phased Transit Curves

TCE 004771178-01 P=317.956421 Days T_0 =202.506449 (BKJD)



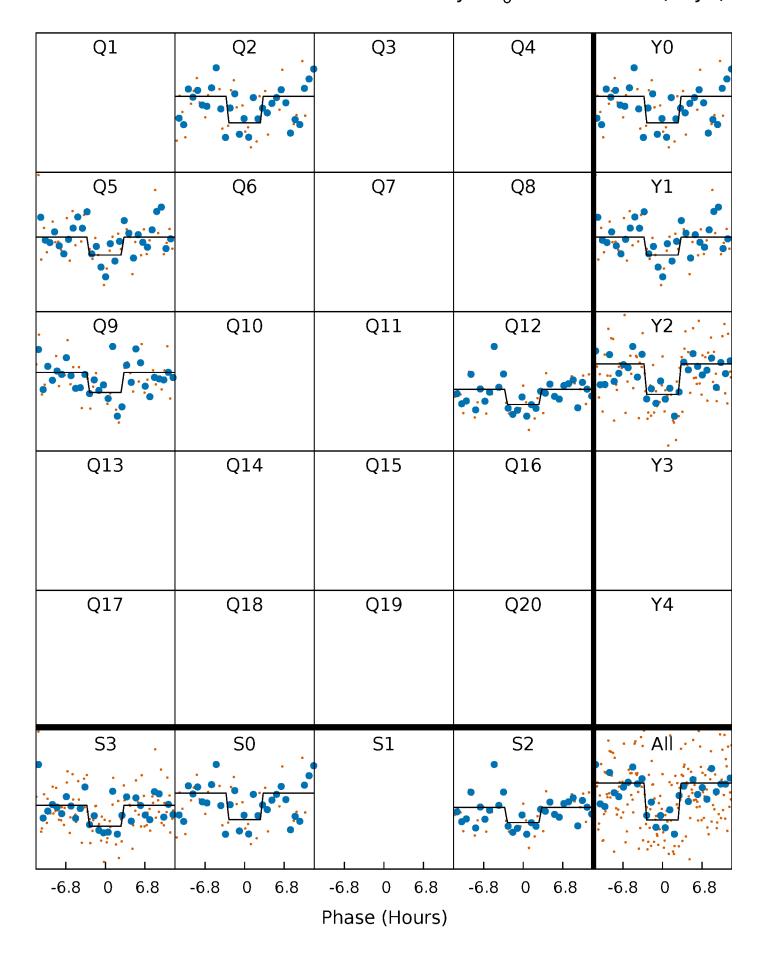
DV Quarter-Phased Transit Curves

TCE 004771178-01 P=317.956421 Days T_0 =202.506449 (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

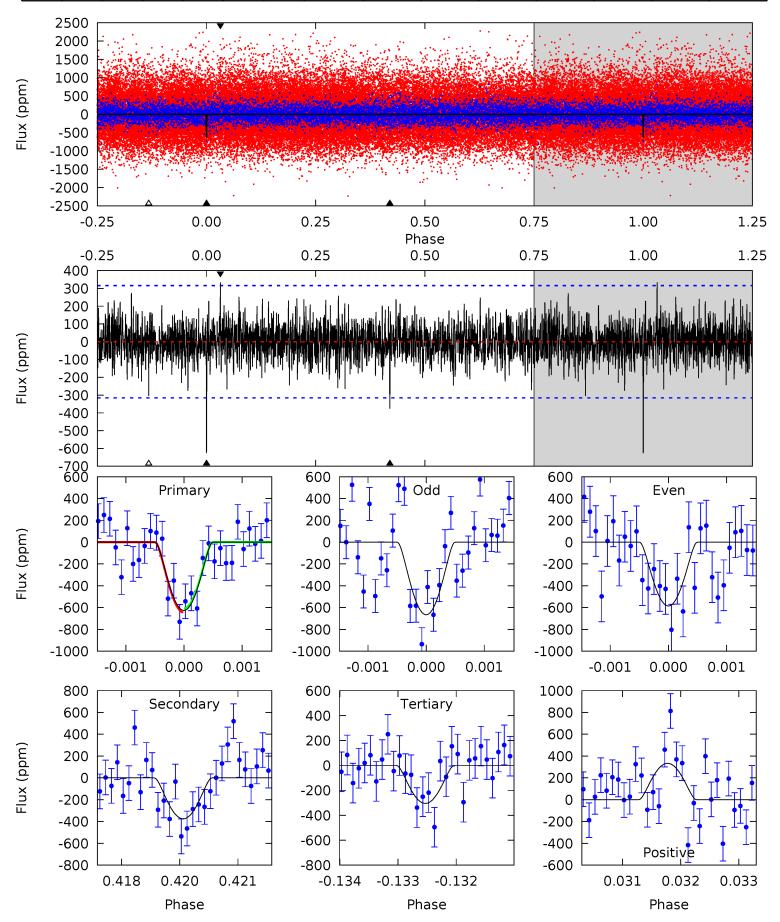
TCE 004771178-01 P=317.959816 Days T_0 =202.496639 (BKJD)



DV Model-Shift Uniqueness Test

004771178-01, P = 317.956421 Days, E = 202.506449 Days

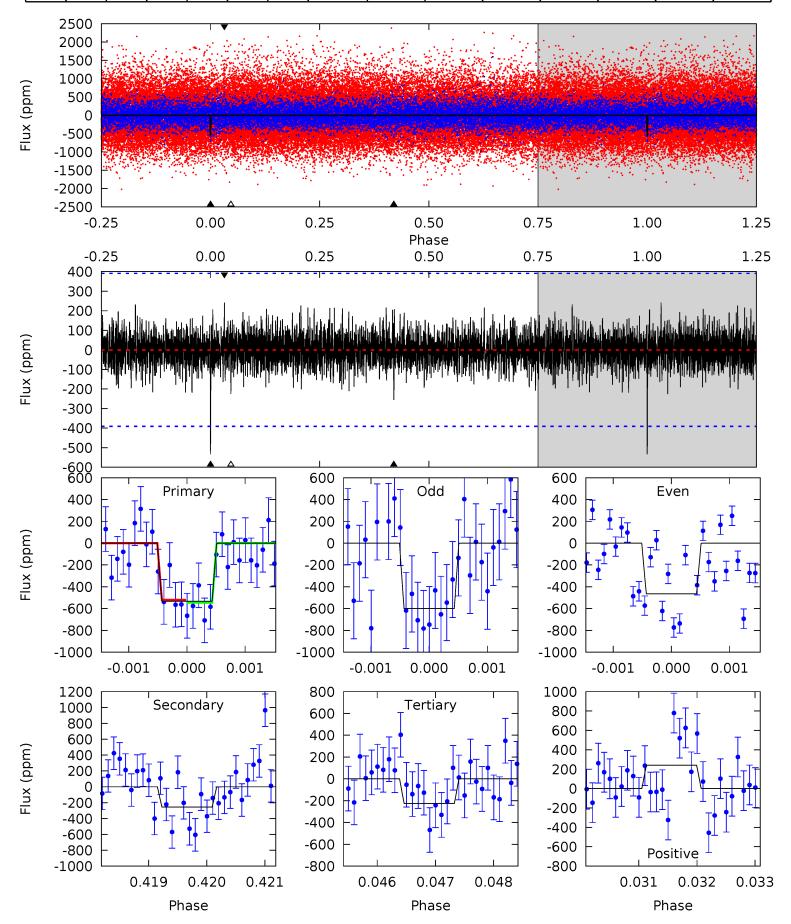
Р	ri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10	1.7	6.43	5.22	5.72	5.41	3.23	1.38	5.51	5.02	1.21	0.72	0.69	1.05	0.35	0.32



Alt Model-Shift Uniqueness Test

004771178-01, P = 317.959816 Days, E = 202.496639 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
7.48	3.59	3.17	3.38	5.49	3.35	0.89	4.31	4.10	0.42	0.21	0.95	1.01	0.31	0.20



Stellar Parameters For KIC 004771178

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R \left(\mathrm{R}_{\odot} \right)$	$M(\mathrm{M}_{\odot})$	$p_{\star} (\text{g} \cdot \text{cm}^{-3})$
	5561^{+150}_{-166}	$4.561^{+0.030}_{-0.170}$	$0.070^{+0.250}_{-0.300}$	$0.854^{+0.207}_{-0.069}$	$0.968^{+0.075}_{-0.113}$	$2.192^{+0.358}_{-0.994}$
	+3%/-3%	+1%/-4%	+357%/-429%	+24%/-8%	+8%/-12%	+16%/-45%
Source	PHO1	KIC0	KIC0		DSEP	

KIC = Kepler Input Catalog; PHO = Photometry; SPE = Spectroscopy; AST = Asteroseismology TRA = Transits; DESP = Dartmouth Models; MULT = Multiple Models

Secondary Eclipse Parameters for KIC 004771178-01 / KOI

Detrend	Depth (ppm)	$R_p(R_{\bigoplus})$	$T_{max}(K)$	$T_{obs}(K)$	A_{obs}
DV	-375 ± 58	$16.61^{+16.60}_{-11.76}$	340^{+20}_{-15}	2664^{+1190}_{-421}	590^{+6603}_{-448}
Alt.	-256 ± 71	$15.91^{+16.95}_{-11.11}$	341^{+18}_{-14}	2568^{+991}_{-430}	441^{+4052}_{-346}

 T_{max} = Theoretical Maximum Planetary Temperature T_{obs} = Observed Planetary Temperature (Assuming A=0.3) A_{obs} = Observed Albedo (Assuming T=0)

If a secondary eclipse is present, the system is likely an EB if $T_{obs} \gg T_{max}$ AND $A_{obs} \gg 1.0$

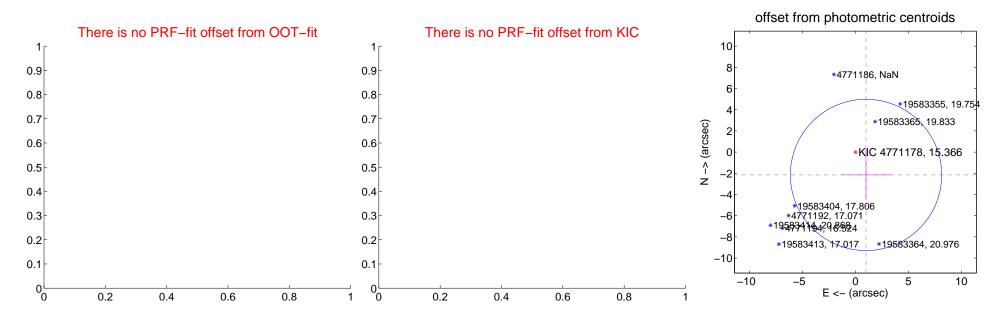
DV Centroid Data

Supplemental centroid analysis for 004771178-01. Kepler magnitude: 15.37. Transit SNR 6.83

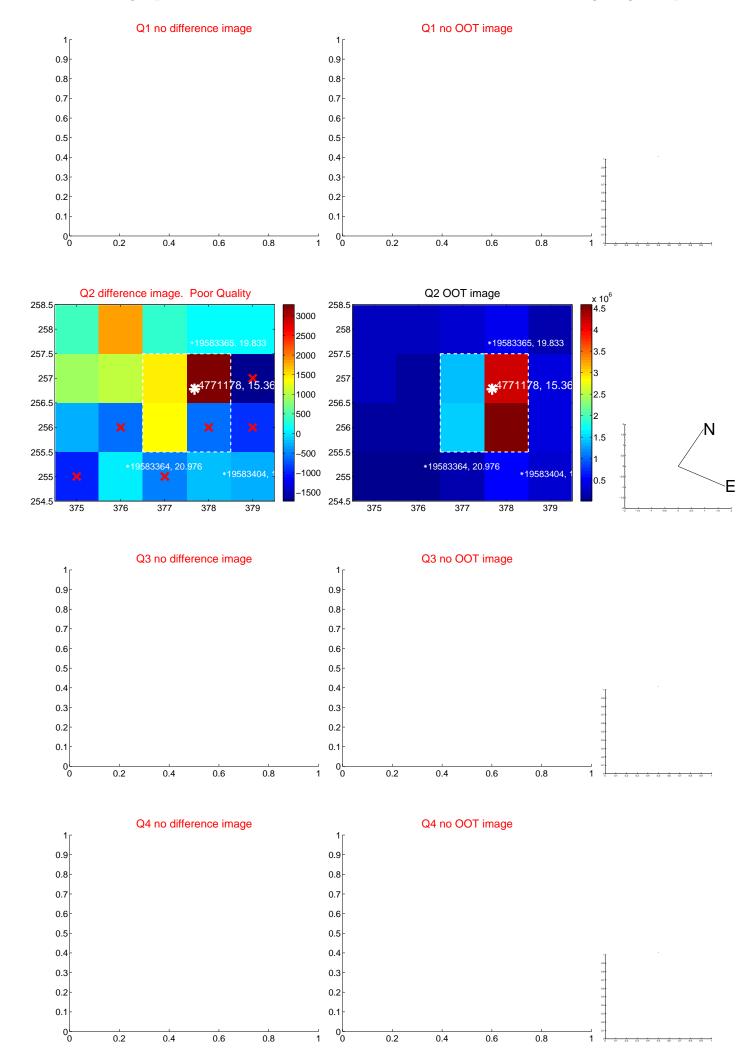
There are 0 quarters with good PRF difference image offsets

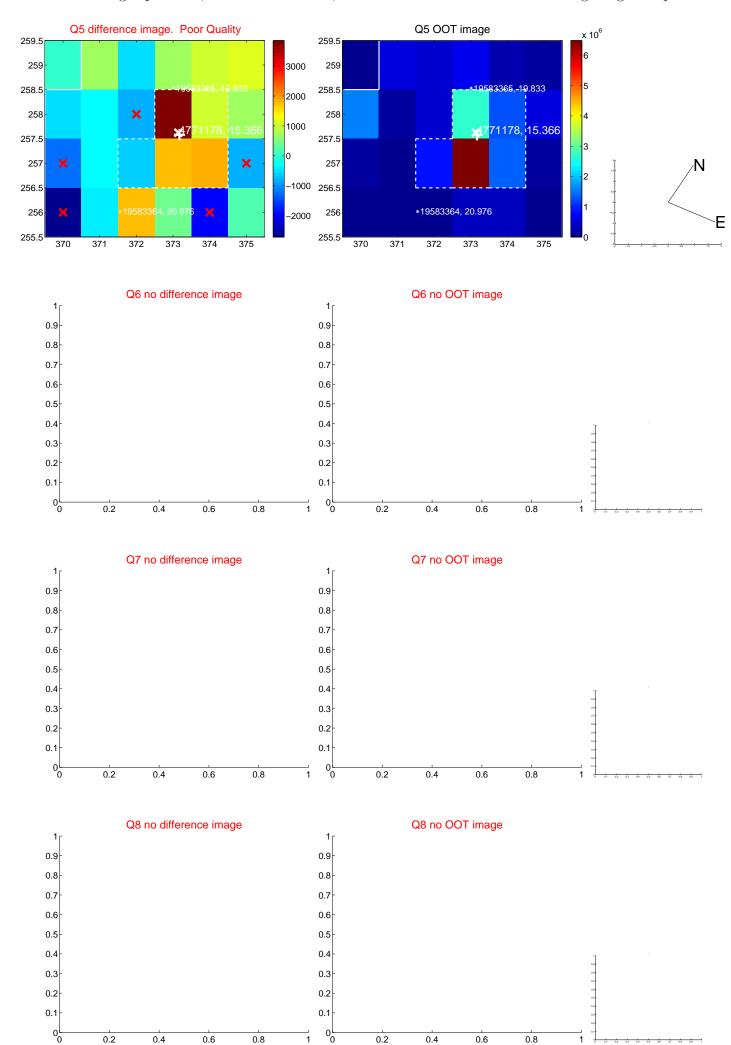
The direct PRF centroid is offset from the target star catalog position by about NaN arcsec

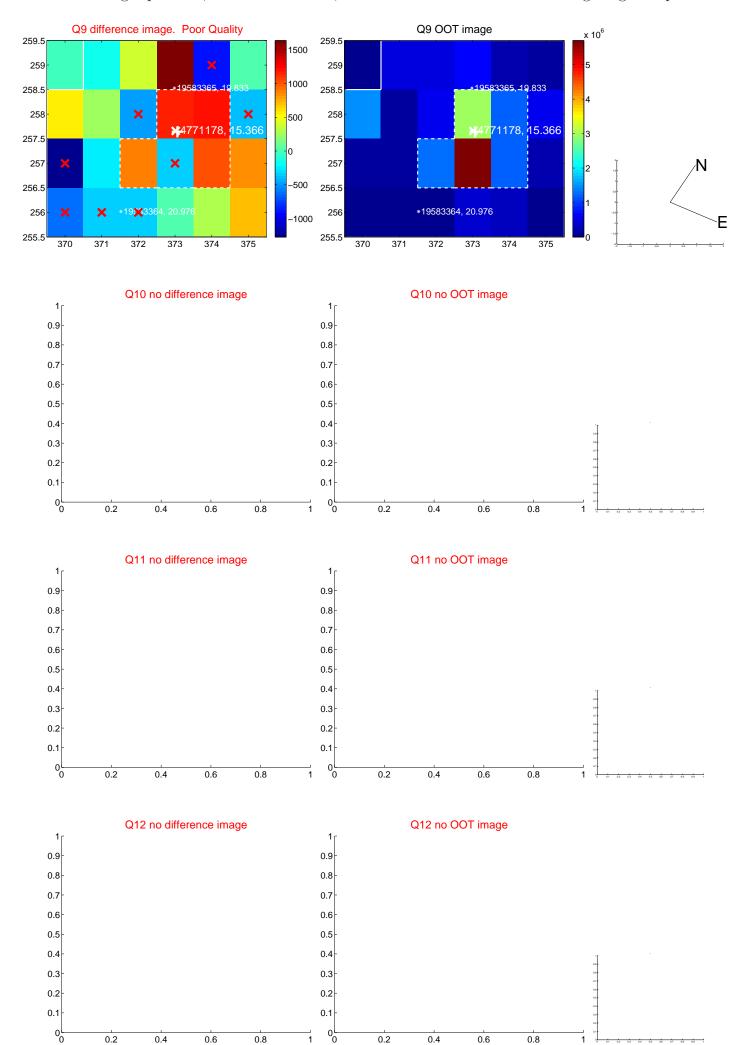
	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	_	_	_	_
PRF-fit source offset from KIC position	_			
photometric centroid source offset	2.38 ± 2.38	1.00	-1.00 ± 2.36	-2.16 ± 2.38

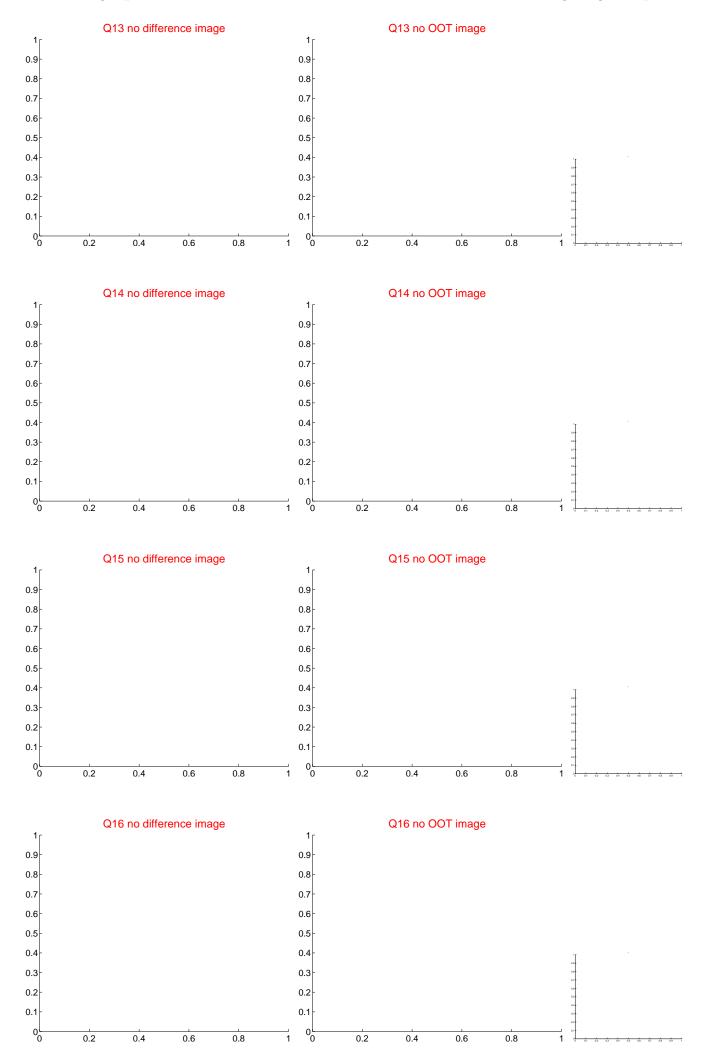


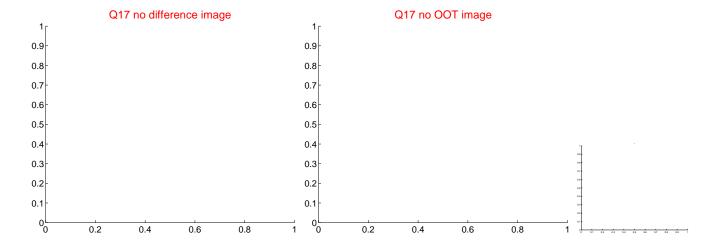
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ . Red *: target star. Blue *: Other stars. Text next to a star gives its KIC ID and kepmag. KIC IDs > 15,000,000 are from the UKIRT catalog.

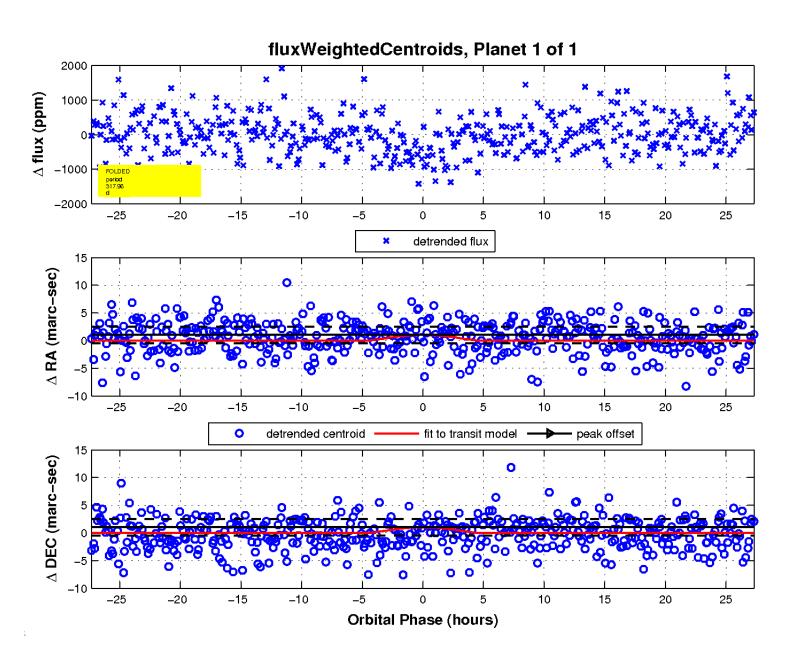












Declination