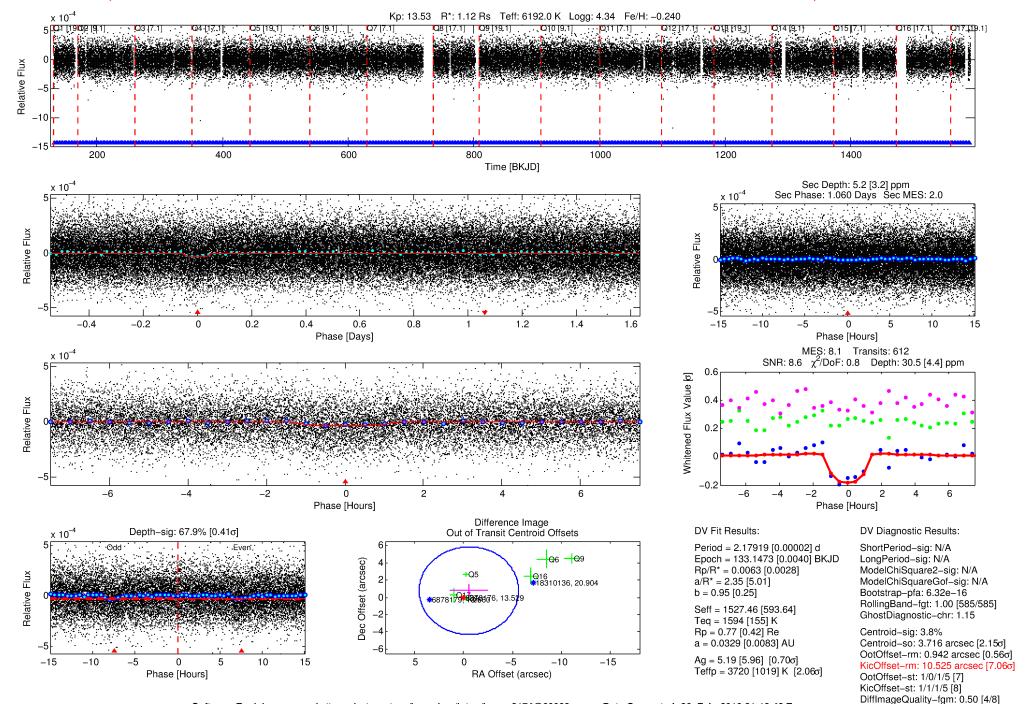
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED

DV One-Page Summary

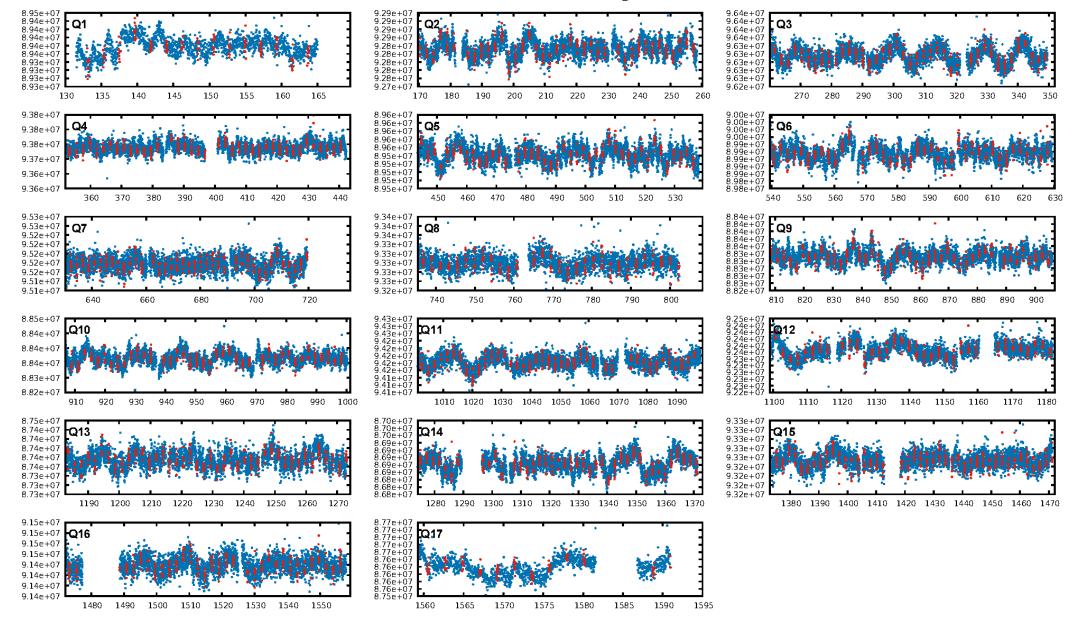
KIC: 6878176 Candidate: 1 of 1 Period: 2.179 d

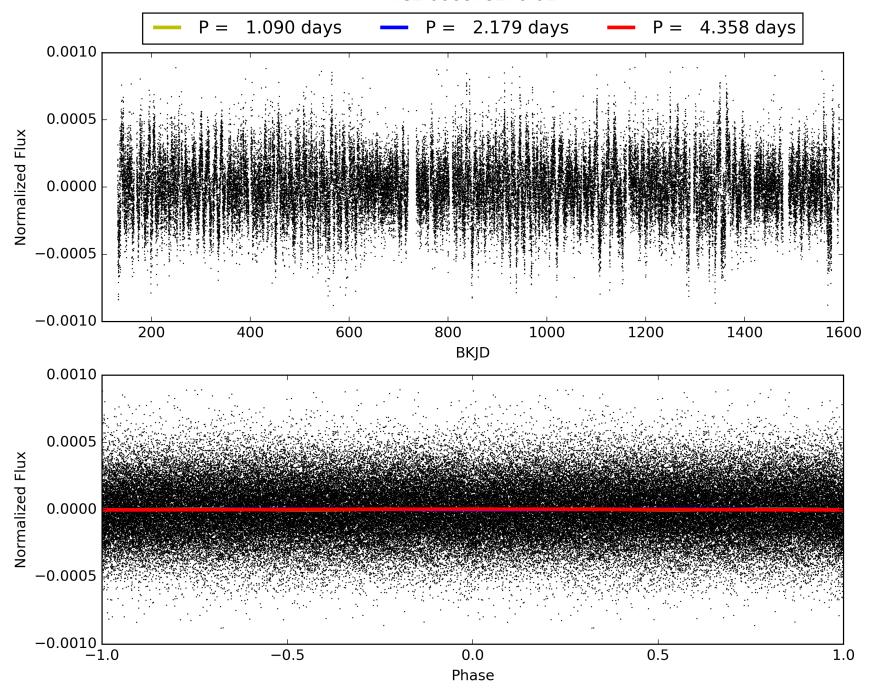
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED

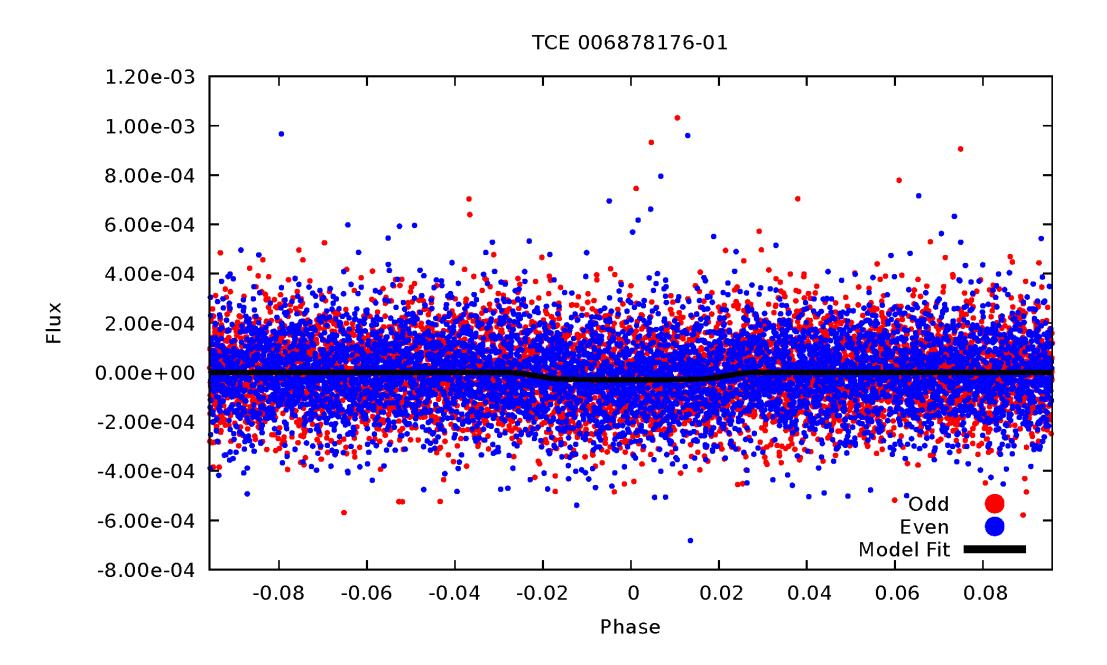
DiffImageOverlap-fno: 1.00 [17/17]



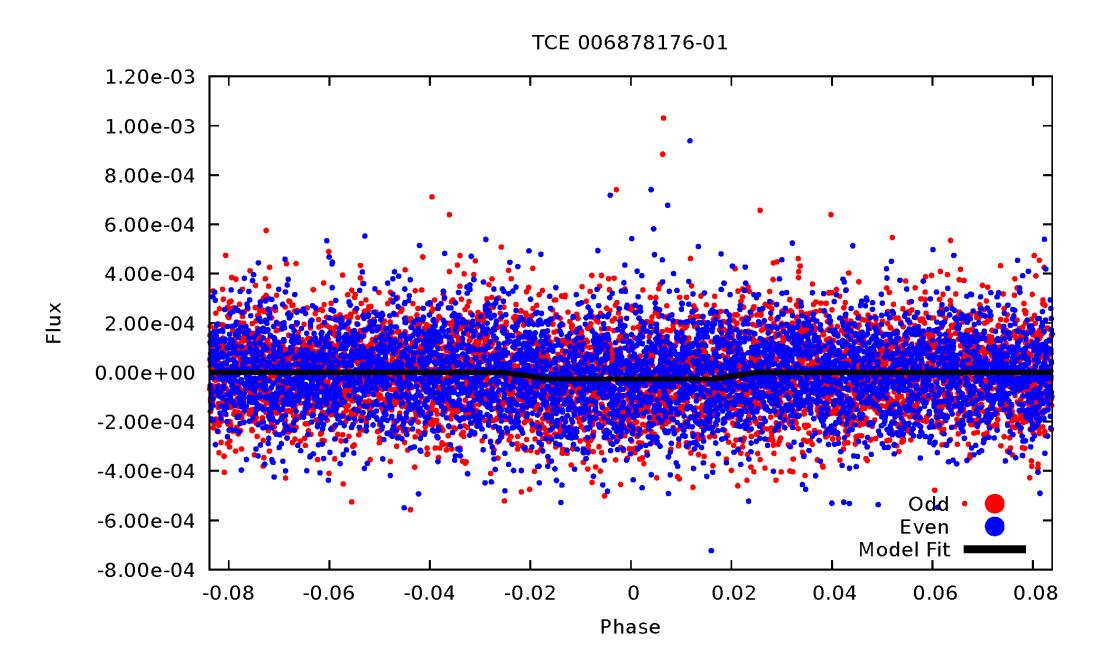
TCE 006878176-01, PDC Light Curves



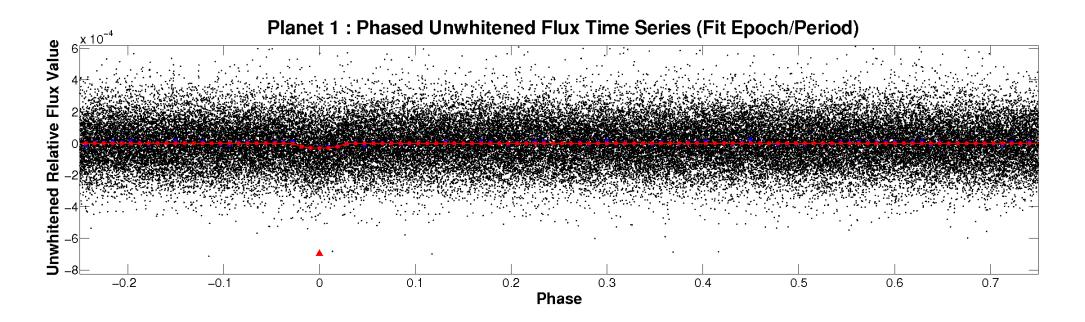


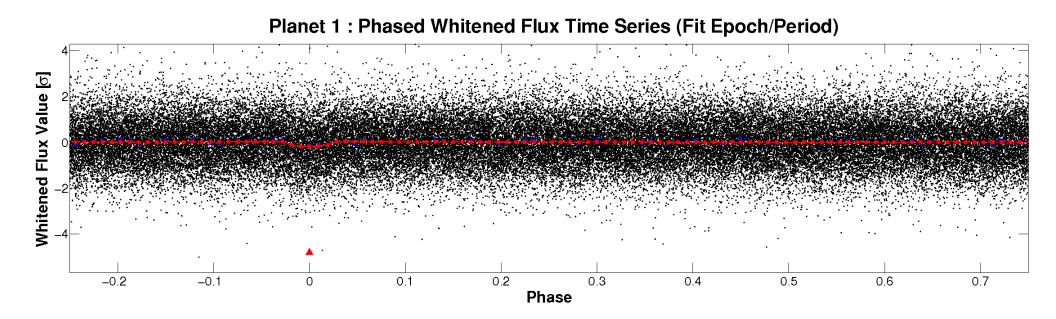


ALT Odd/Even



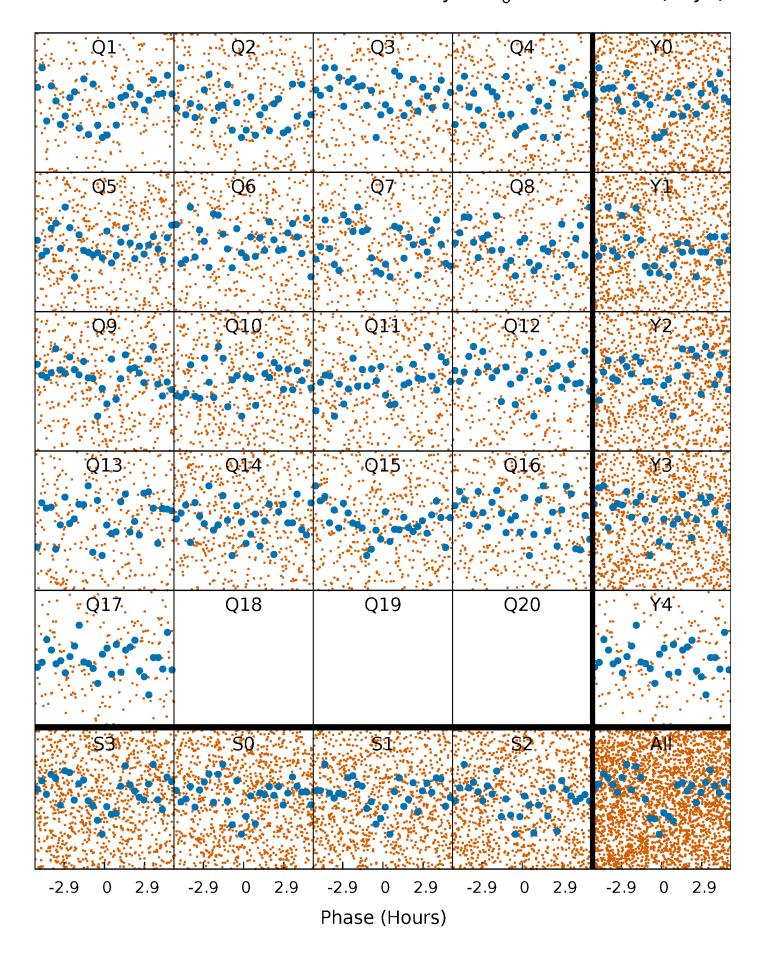
Non-Whitened Vs. Whitened Light Curve





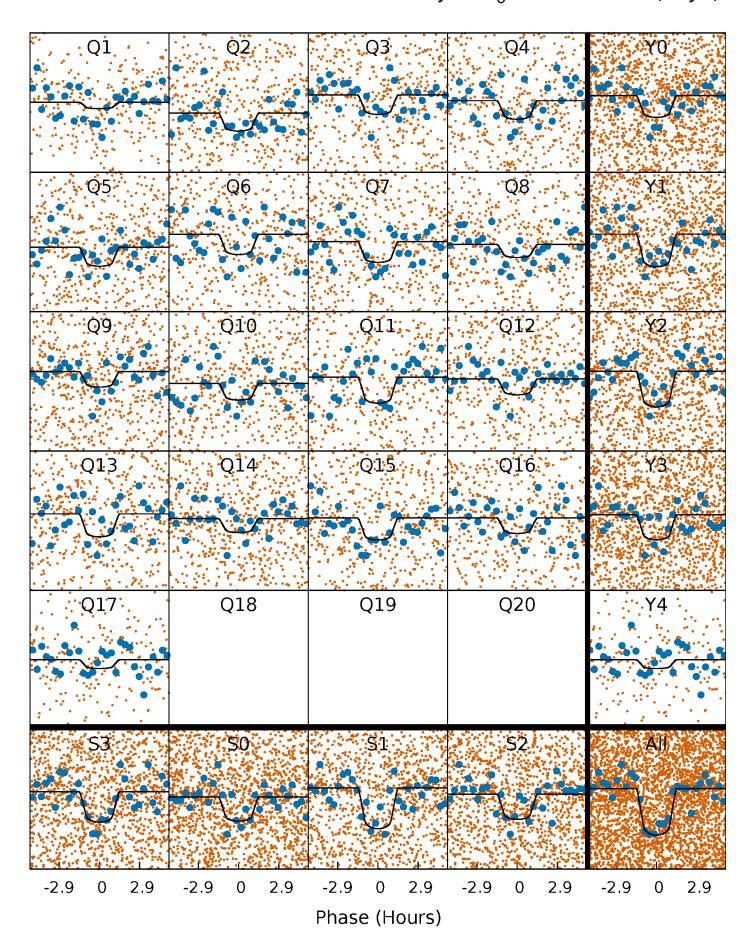
PDC Quarter-Phased Transit Curves

TCE 006878176-01 P= 2.179194 Days $T_0=133.147252$ (BKJD)



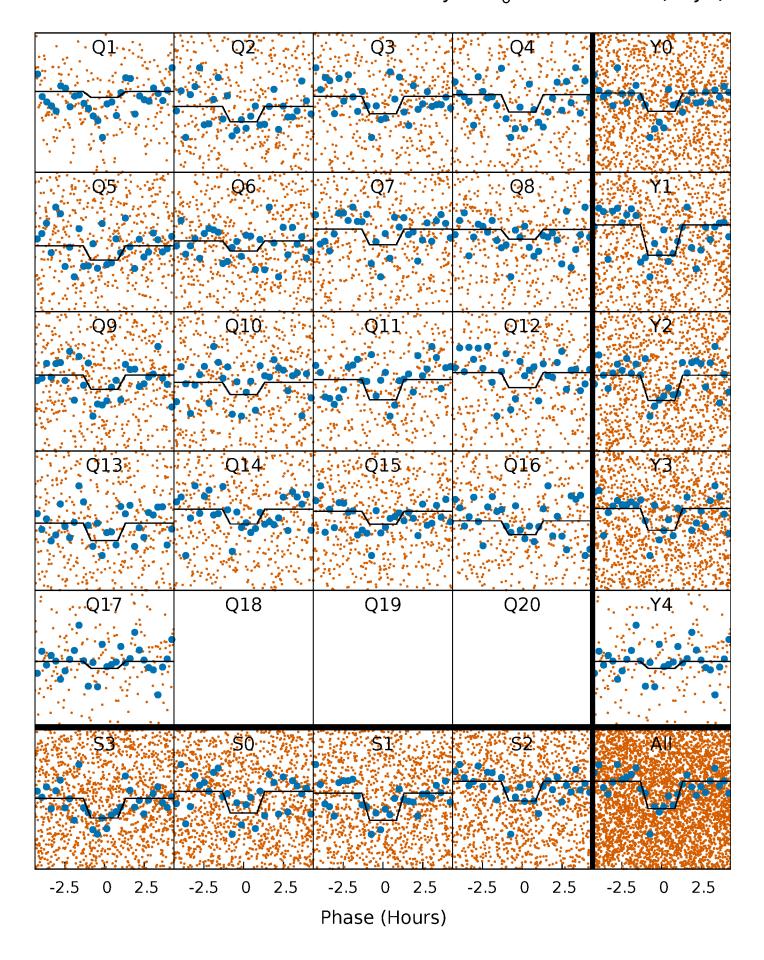
DV Quarter-Phased Transit Curves

TCE 006878176-01 P= 2.179194 Days $T_0=133.147252$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

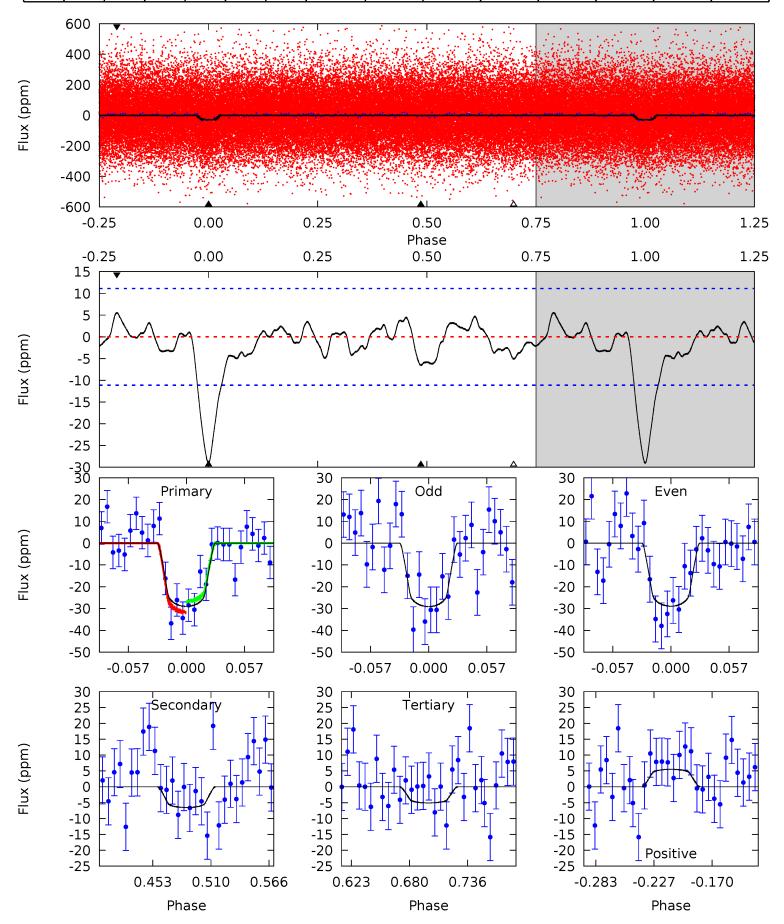
TCE 006878176-01 P= 2.179161 Days $T_0=133.160559$ (BKJD)



DV Model-Shift Uniqueness Test

006878176-01, P = 2.179194 Days, E = 130.968058 Days

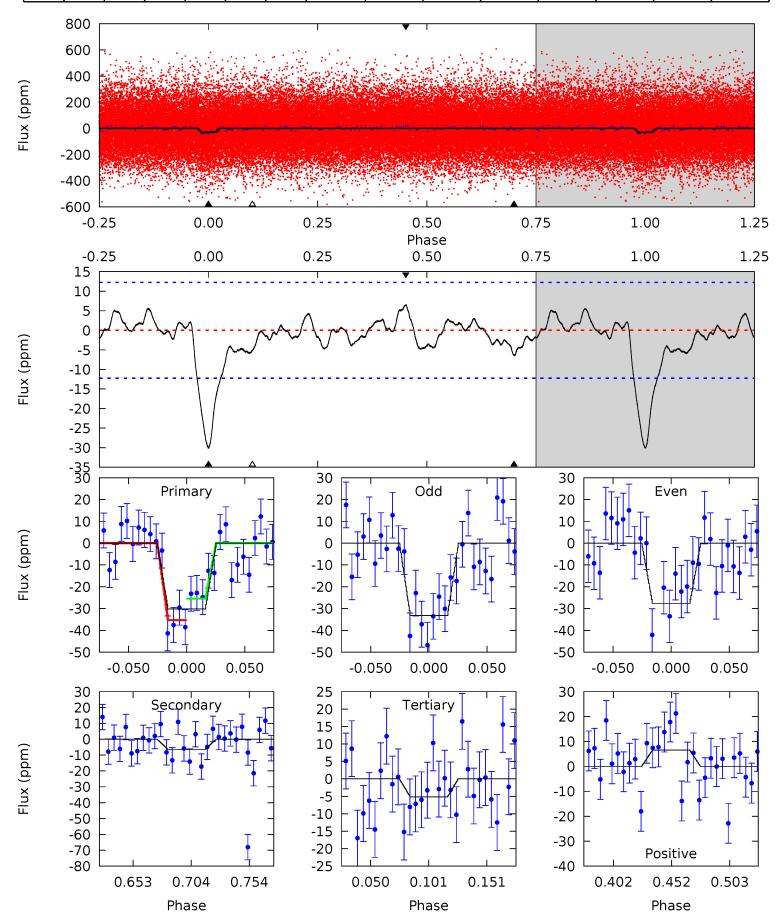
	Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
[:	12.2	2.75	2.14	2.32	4.68	1.91	1.05	10.1	9.90	0.61	0.43	0.03	1.02	0.16	1.05



Alt Model-Shift Uniqueness Test

006878176-01, P = 2.179161 Days, E = 130.981398 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.6	2.50	1.99	2.52	4.71	1.96	1.05	9.61	9.08	0.51	-0.02	1.06	0.89	0.18	1.90



Stellar Parameters For KIC 006878176

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(\mathrm{M}_{\bigodot})$	$p_{\star} (\text{g} \cdot \text{cm}^{-3})$
	6192^{+169}_{-206}	$4.339^{+0.132}_{-0.198}$	$-0.240^{+0.300}_{-0.300}$	$1.120^{+0.340}_{-0.183}$	$0.997^{+0.160}_{-0.107}$	$0.999^{+0.584}_{-0.492}$
	+3%/-3%	+3%/-5%	+125%/-125%	+30%/-16%	+16%/-11%	+58%/-49%
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 006878176-01 / KOI

Detrend	Depth (ppm)	$R_p(R_{\bigoplus})$	T_{max} (K)	$T_{obs}(K)$	A_{obs}
DV	-7±2	$0.80^{+0.36}_{-0.34}$	2234^{+186}_{-136}	4098^{+970}_{-554}	$\left 5.845^{+10.875}_{-3.386} \right $
Alt.	-6±3	$0.65^{+0.38}_{-0.30}$	2244^{+153}_{-129}	4416^{+1593}_{-725}	$8.866^{+25.492}_{-5.685}$

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

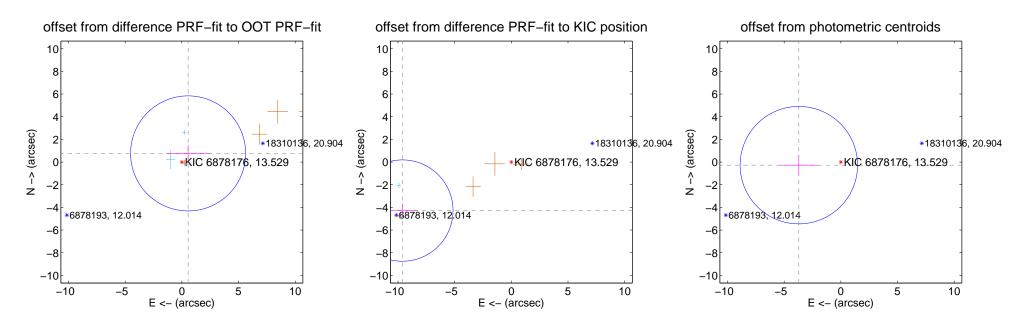
If a secondary eclipse is present, the system is likely an EB if $T_{obs} \gg T_{max}$ AND $A_{obs} \gg 1.0$

DV Centroid Data

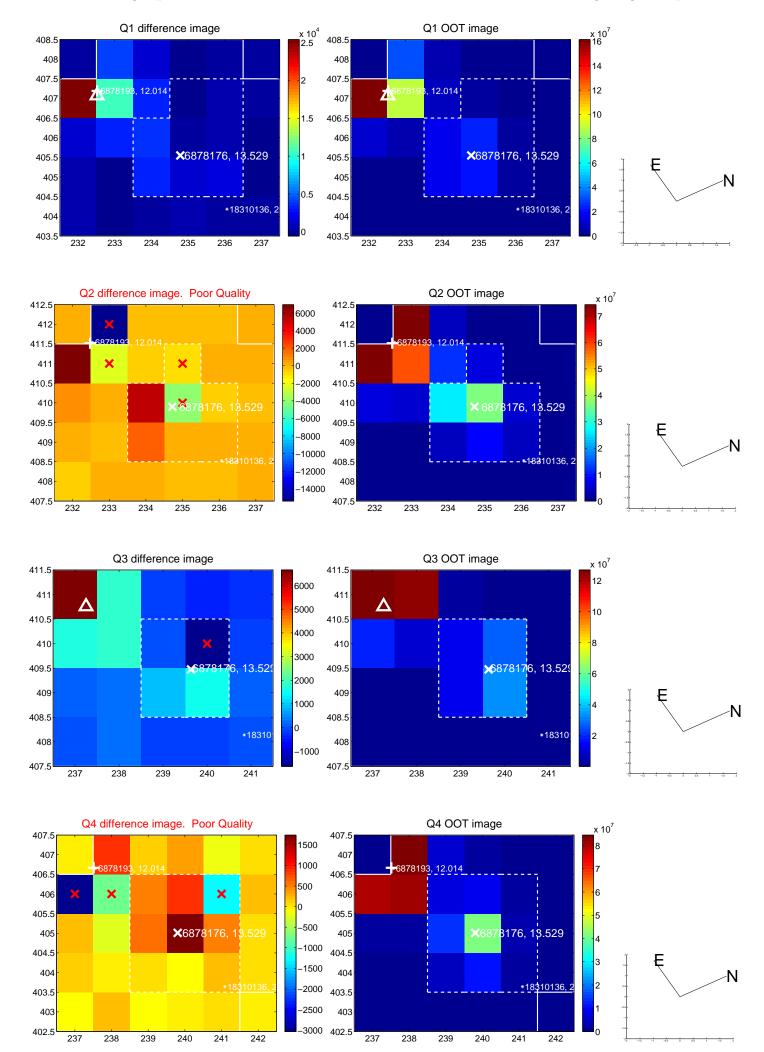
Supplemental centroid analysis for 006878176-01. Kepler magnitude: 13.53. Transit SNR 8.64 There are 4 quarters with good PRF difference image offsets

The OOT PRF centroid is offset from the target star catalog position by about 11.16 arcsec so the offset from difference PRF-fit to OOT-fit may be invalid.

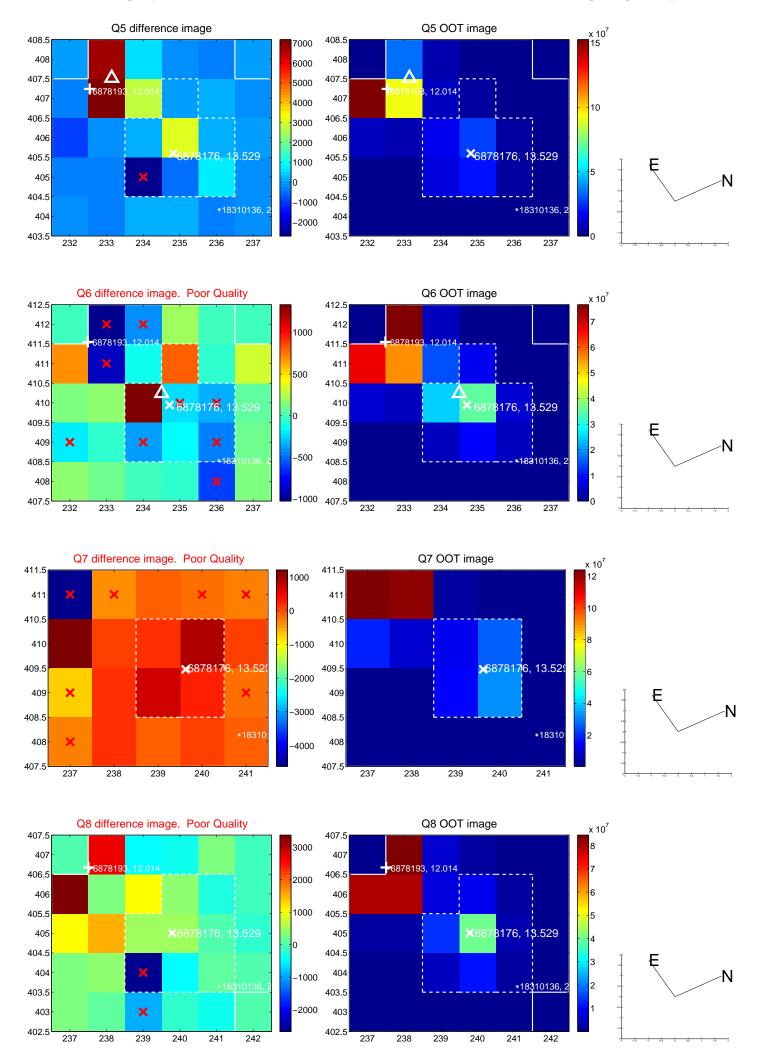
	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.942 ± 1.692	0.56	-0.553 ± 1.914	0.762 ± 0.748
PRF-fit source offset from KIC position	10.525 ± 1.490	7.06	9.615 ± 1.396	-4.281 ± 0.647
photometric centroid source offset	3.72 ± 1.73	2.15	3.71 ± 1.73	-0.27 ± 0.92

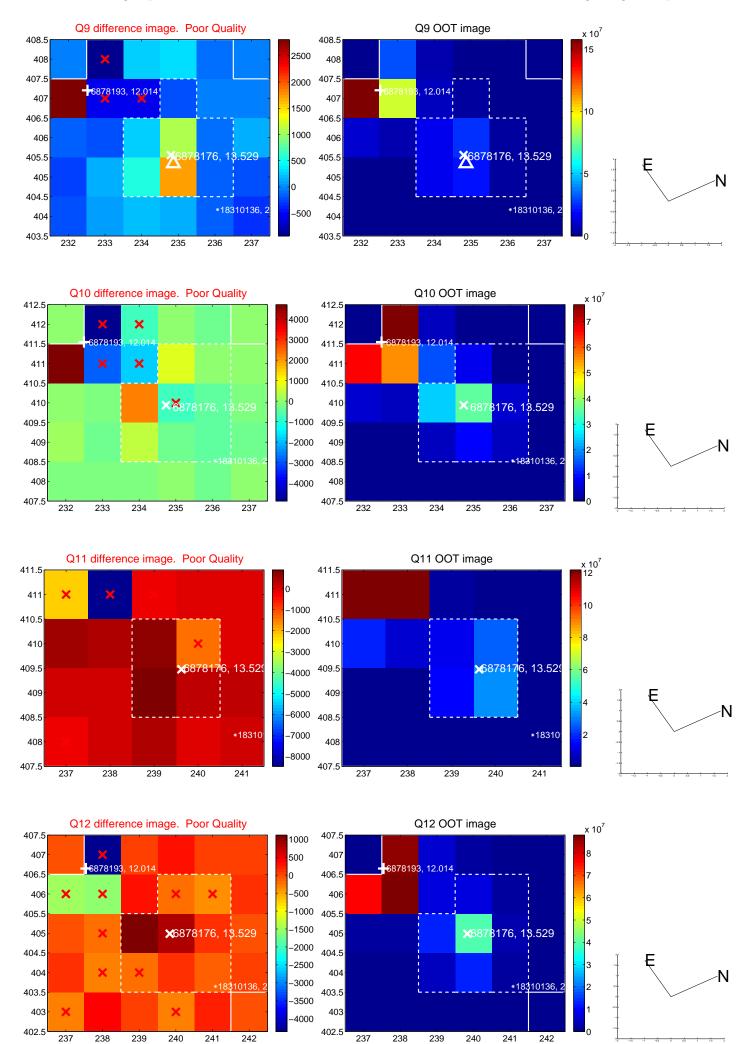


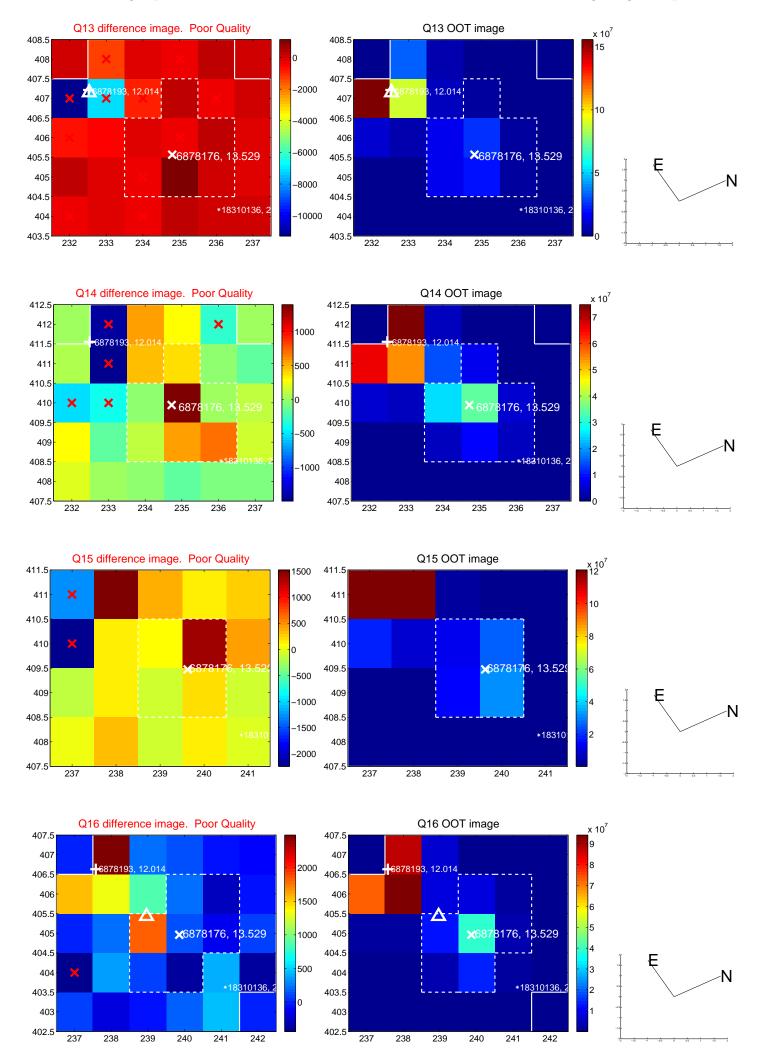
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ . 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.



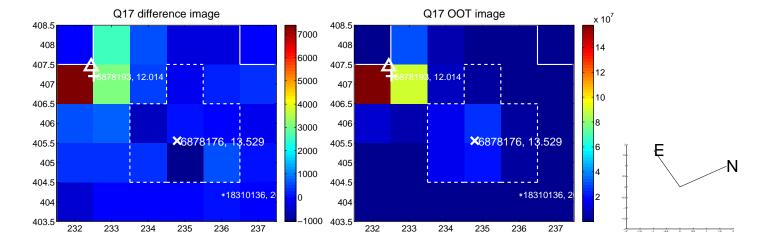
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

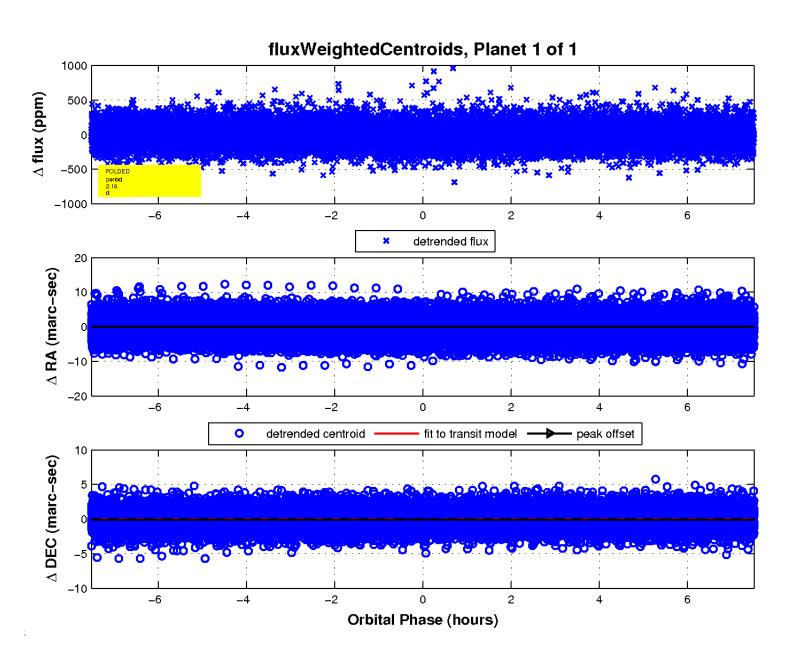






white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.





Declination