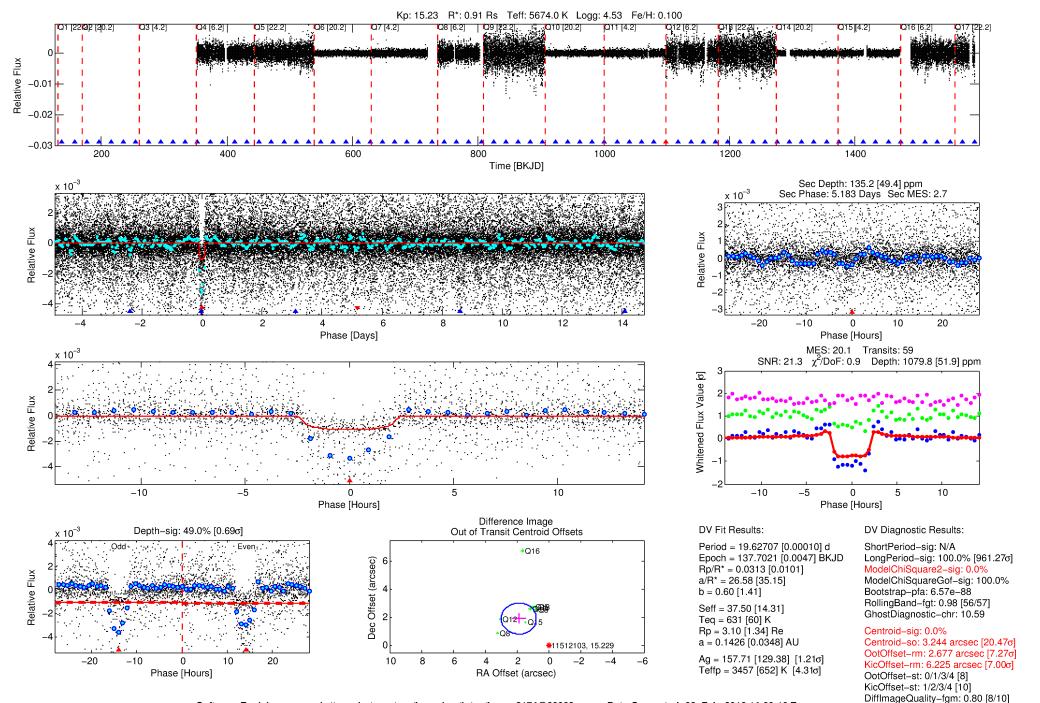
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED

DV One-Page Summary

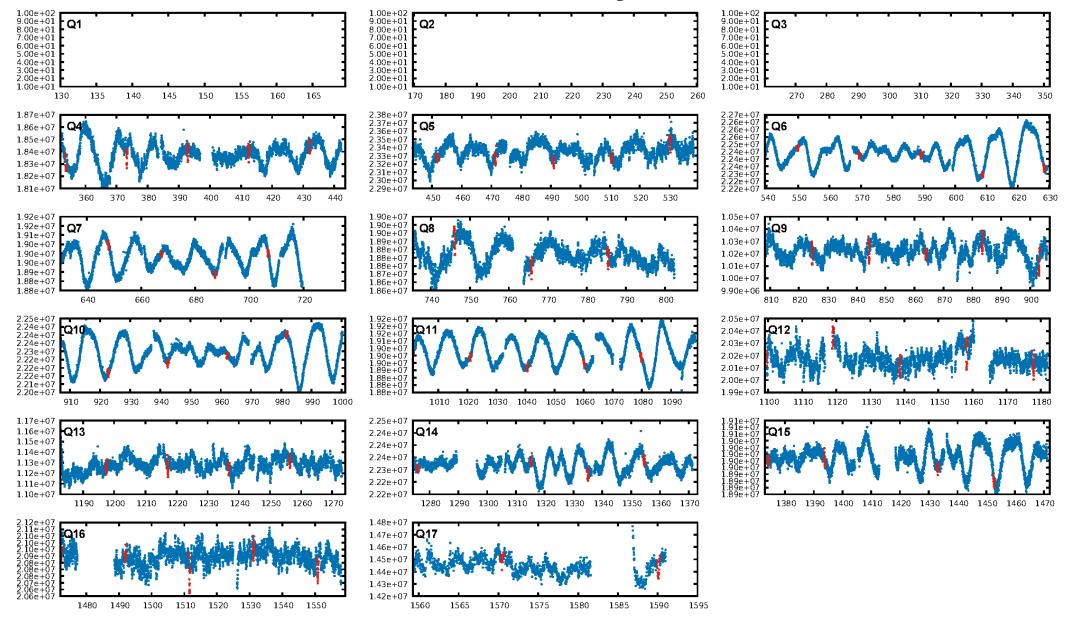
KIC: 11512103 Candidate: 1 of 2 Period: 19.627 d

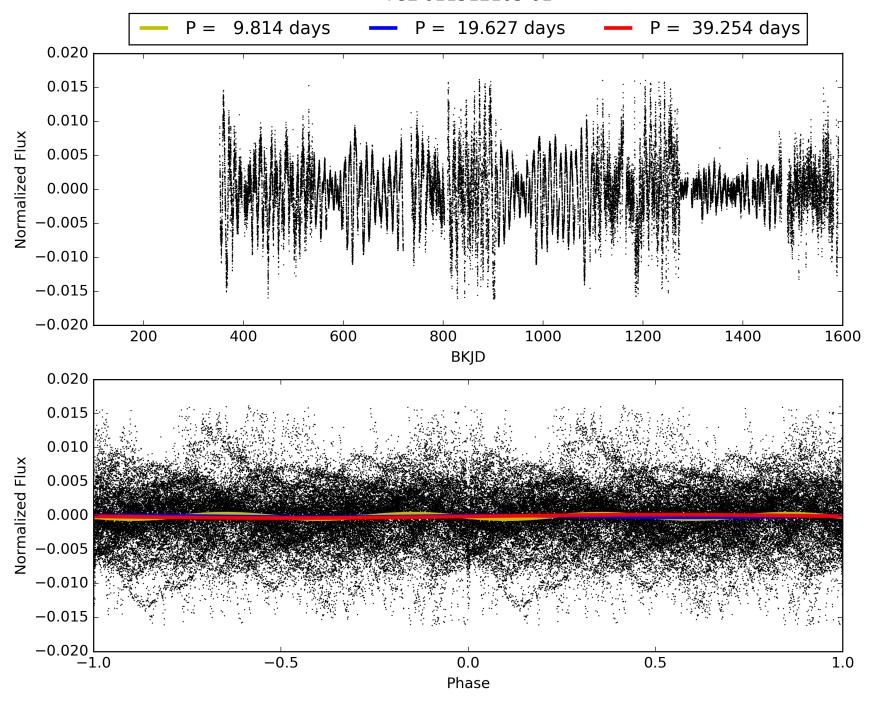
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED

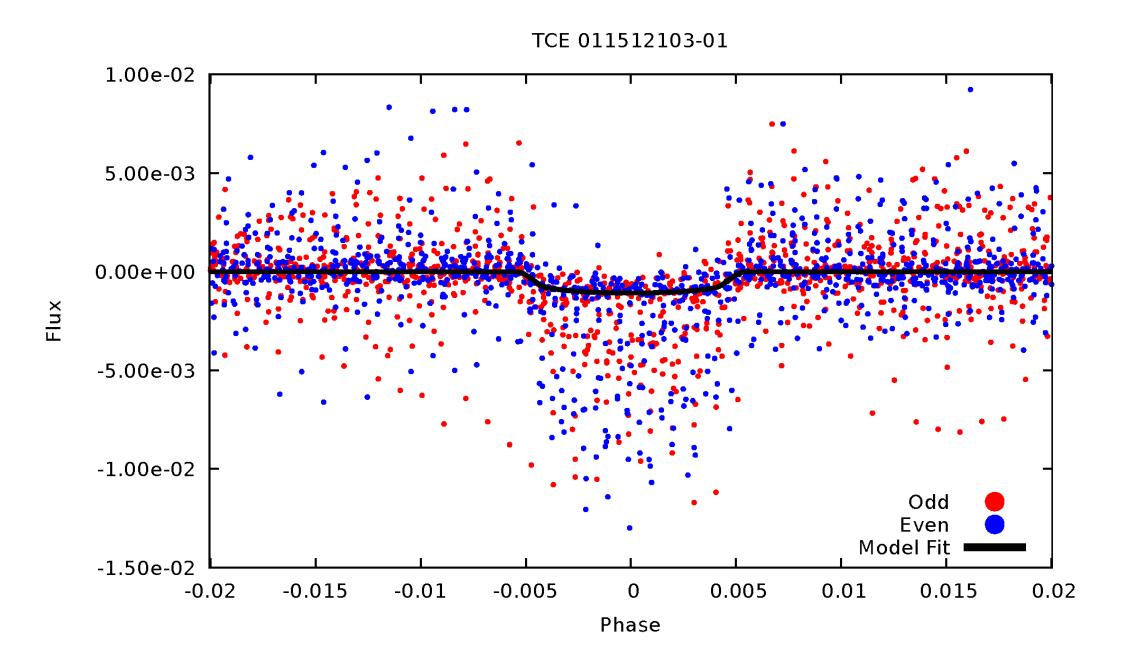
DiffImageOverlap-fno: 1.00 [14/14]



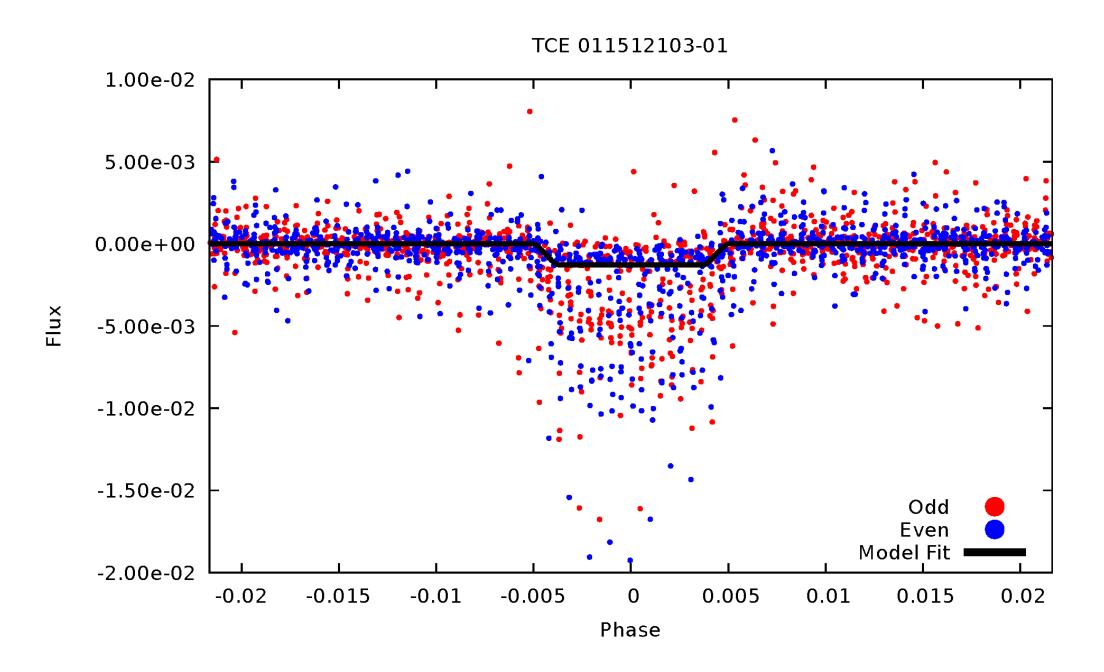
TCE 011512103-01, PDC Light Curves



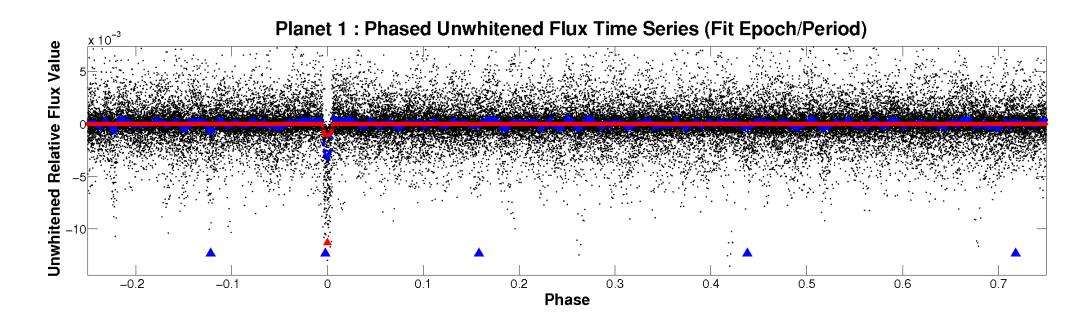


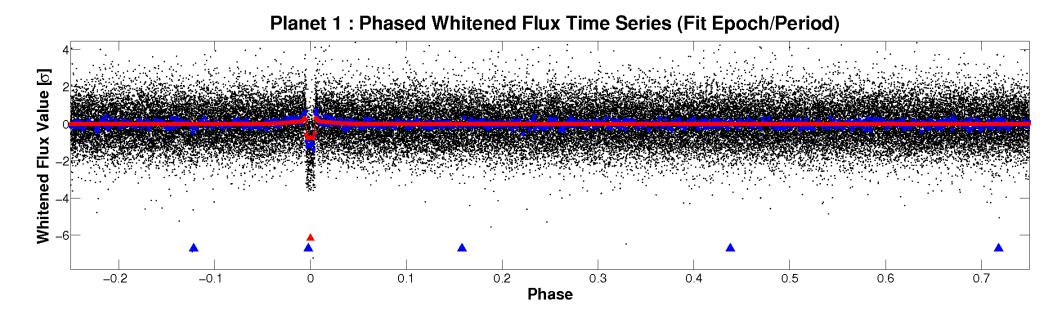


ALT Odd/Even



Non-Whitened Vs. Whitened Light Curve





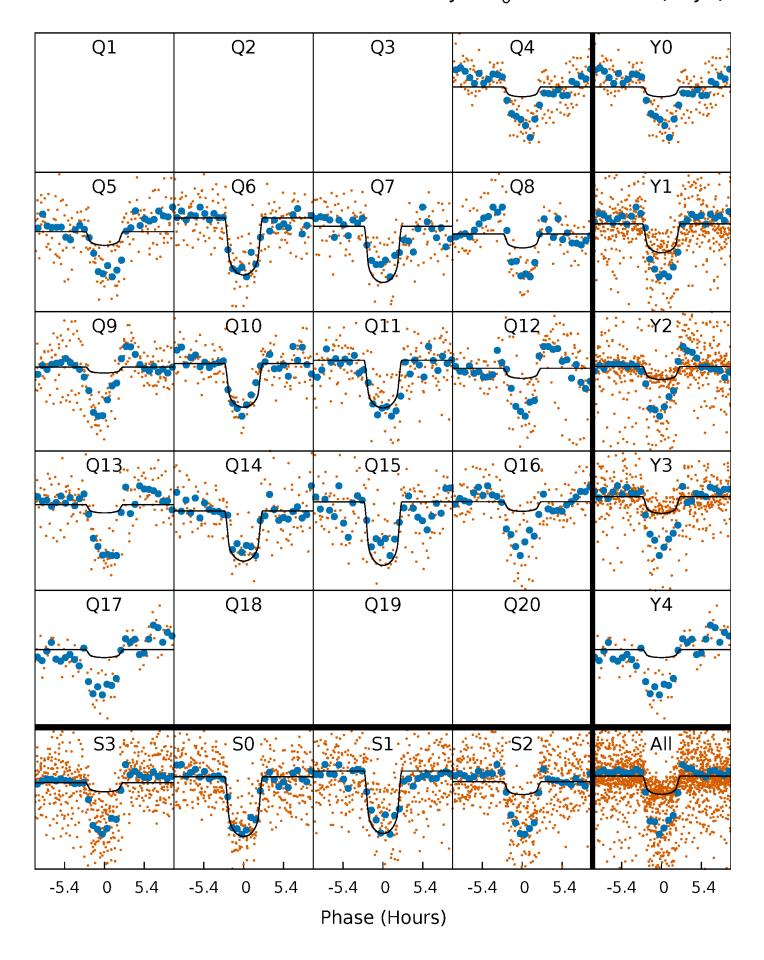
PDC Quarter-Phased Transit Curves

TCE 011512103-01 $P= 19.627074 Days T_0=137.702121 (BKJD)$

0.7		0.3		VO :				
Q1	Q2	Q3	Q4	Y0				
			1	· · · · · · · · · · · · · · · · · · ·				
			474.	170				
Q5·	· · · · · · · · · · · · · · · · · · ·	Q7	Q8					
3								
	The state of the s	• •						
			'.' W					
Q9	Q10	Q11	Q12.	Y2				
			ije. "					
		015	016	V2				
Q13	Q14	Q15	Q16	Y3				
Q17 .	Q18	Q19	Q20	Y4 .·				
The state of the state of								
S3.	S0	\$1	S2	A'H.				
-5.4 0 5.4	-5.4 0 5.4	-5.4 0 5.4	-5.4 0 5.4	-5.4 0 5.4				
			2	2 2 2.1				
Phase (Hours)								

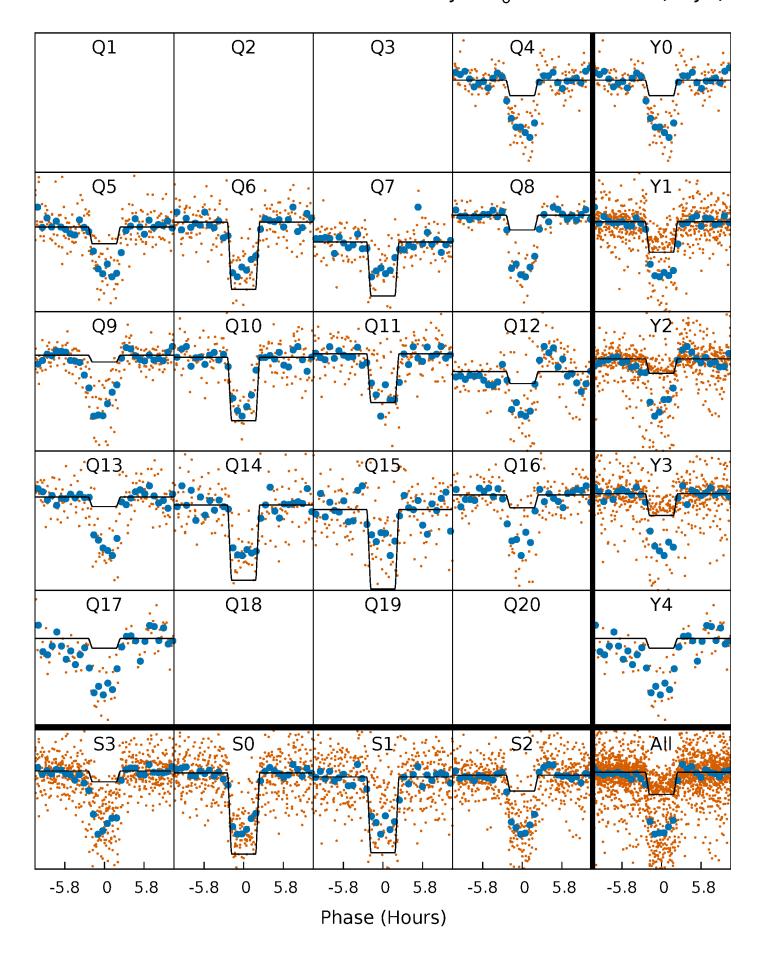
DV Quarter-Phased Transit Curves

TCE 011512103-01 P= 19.627074 Days $T_0=137.702121$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

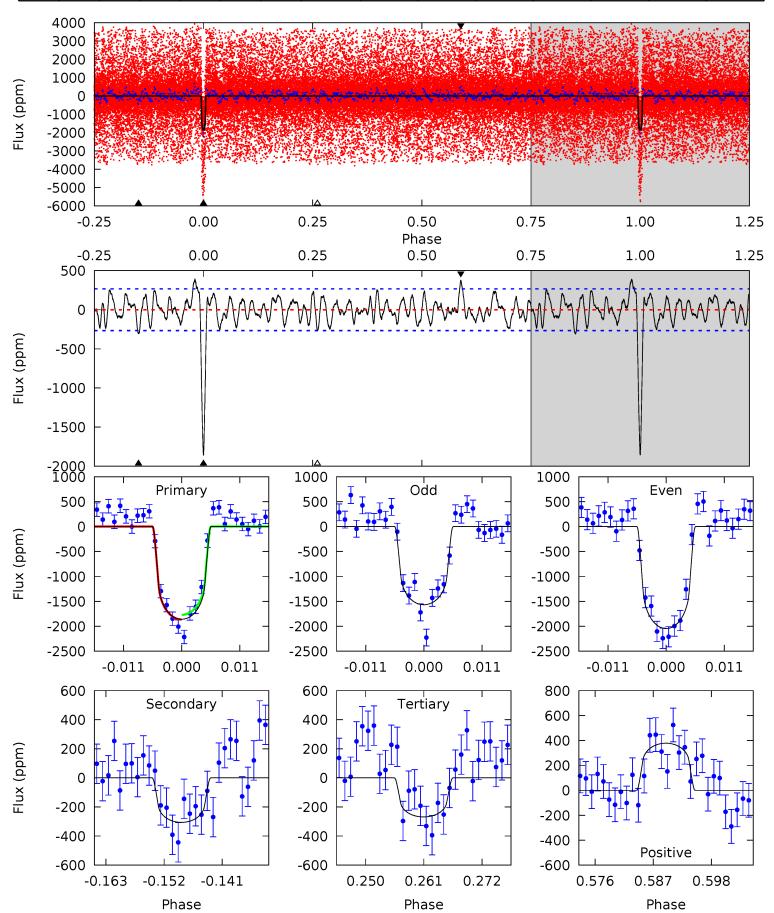
TCE 011512103-01 P= 19.626951 Days $T_0=137.706290$ (BKJD)



DV Model-Shift Uniqueness Test

011512103-01, P = 19.627074 Days, E = 137.702121 Days

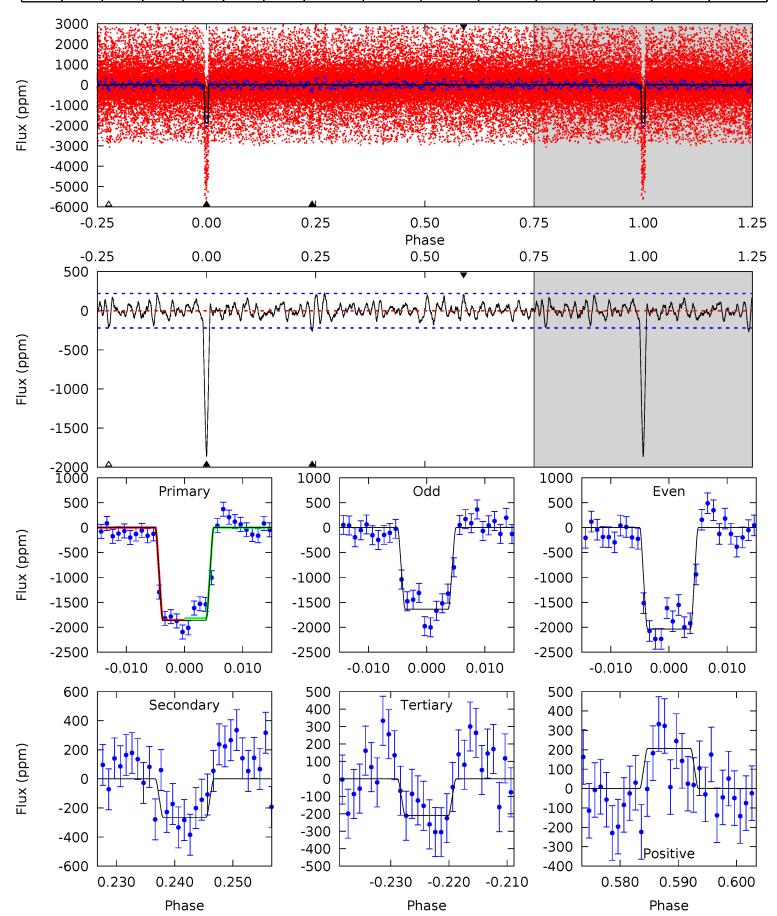
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
35.0	5.76	5.05	7.11	5.01	2.55	2.28	29.9	27.8	0.70	-1.36	4.56	1.36	0.17	0.91



Alt Model-Shift Uniqueness Test

011512103-01, P = 19.626951 Days, E = 137.706290 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
42.5	6.03	4.79	4.71	5.03	2.58	1.59	37.7	37.7	1.24	1.32	4.59	1.42	0.11	0



Stellar Parameters For KIC 011512103

	$T_{\rm eff}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(\mathrm{M}_{\odot})$	$p_{\star} (\text{g} \cdot \text{cm}^{-3})$
	5674^{+171}_{-206}	$4.525^{+0.048}_{-0.192}$	$0.100^{+0.250}_{-0.300}$	$0.906^{+0.264}_{-0.088}$	$1.001^{+0.100}_{-0.120}$	$1.899^{+0.363}_{-0.956}$
	+3%/-4%	+1%/-4%	+250%/-300%	+29%/-10%	+10%/-12%	+19%/-50%
Source	KIC0	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 011512103-01 / KOI

Detrend	Depth (ppm)	$R_p(R_{\bigoplus})$	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-306 ± 53	$3.23^{+1.11}_{-1.10}$	896^{+59}_{-41}	4423^{+836}_{-467}	317^{+449}_{-145}
Alt.	-264±44	$3.66^{+1.11}_{-1.08}$	896^{+58}_{-40}	4111^{+538}_{-377}	211_{-89}^{+217}

 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 $A_{obs} \gg 1.0$

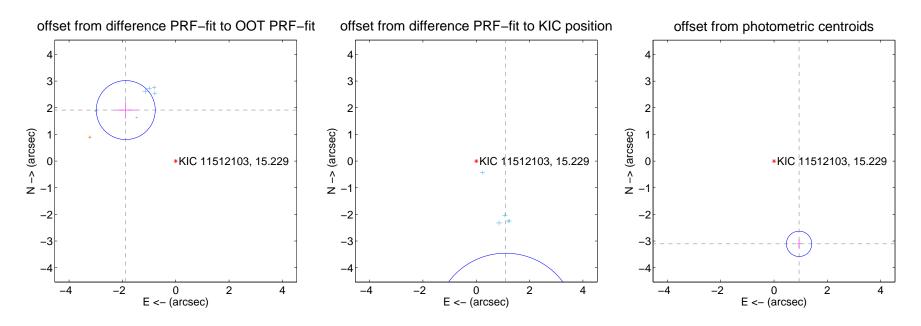
DV Centroid Data

Supplemental centroid analysis for 011512103-01. Kepler magnitude: 15.23. Transit SNR 21.35

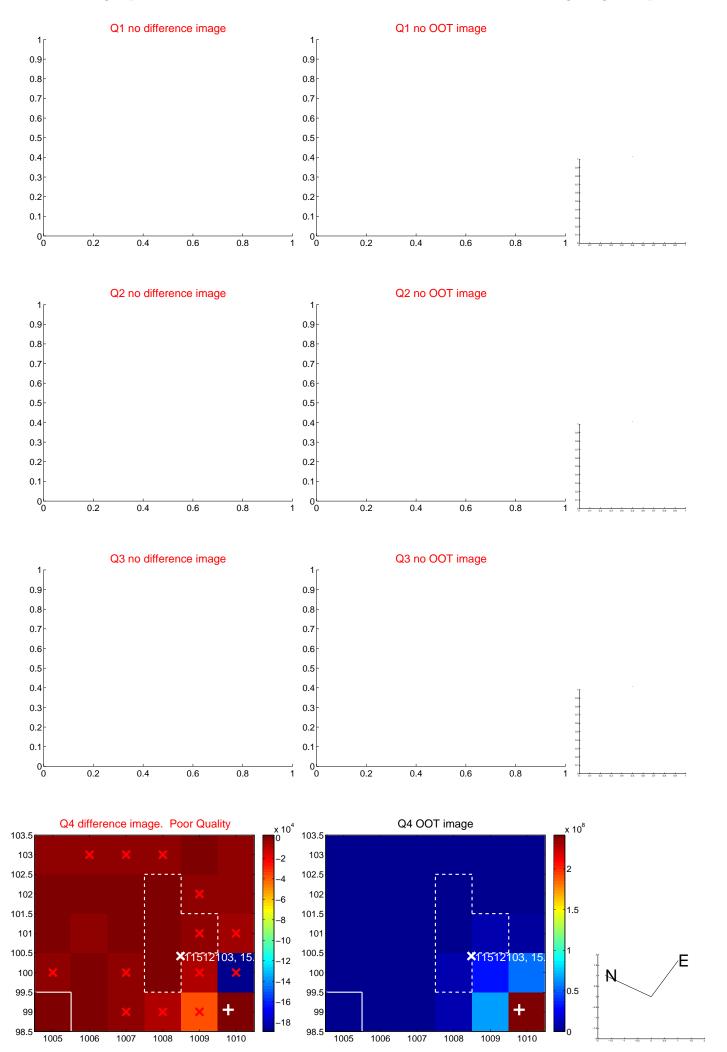
There are 8 quarters with good PRF difference image offsets

The OOT PRF centroid is offset from the target star catalog position by about 5.33 arcsec so the offset from difference PRF-fit to OOT-fit may be invalid.

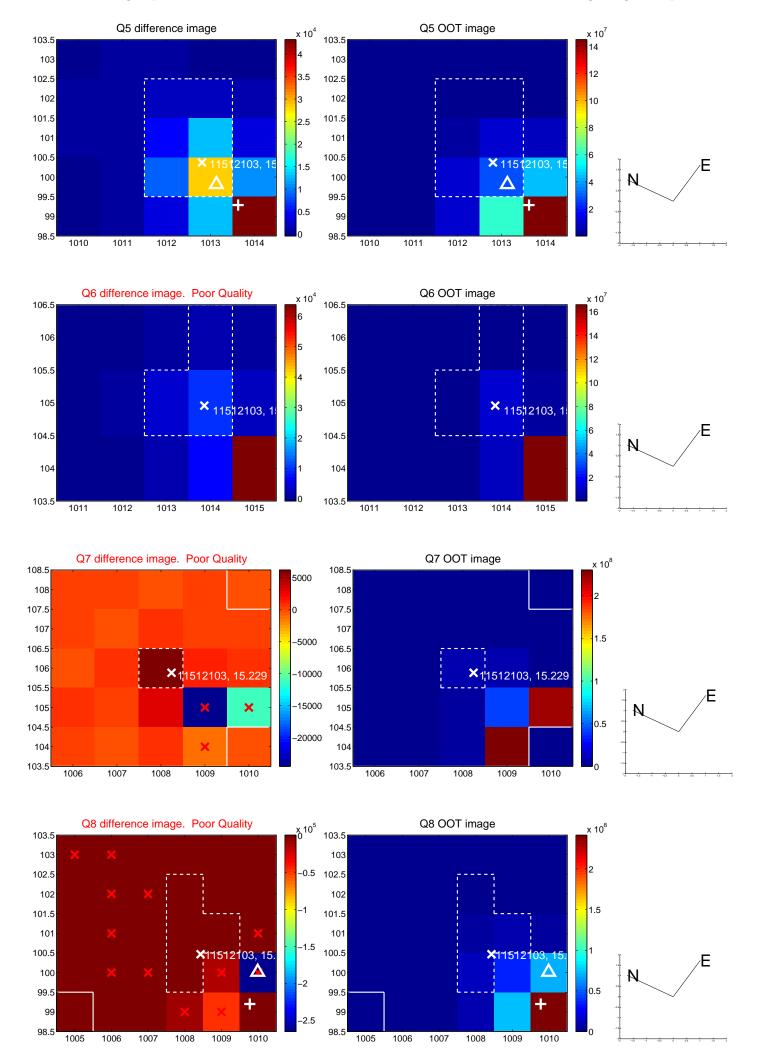
	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	2.677 ± 0.368	7.27	1.874 ± 0.410	1.912 ± 0.324
PRF-fit source offset from KIC position	6.225 ± 0.890	7.00	-1.104 ± 0.327	-6.127 ± 0.912
photometric centroid source offset	3.24 ± 0.16	20.47	-0.94 ± 0.07	-3.10 ± 0.16



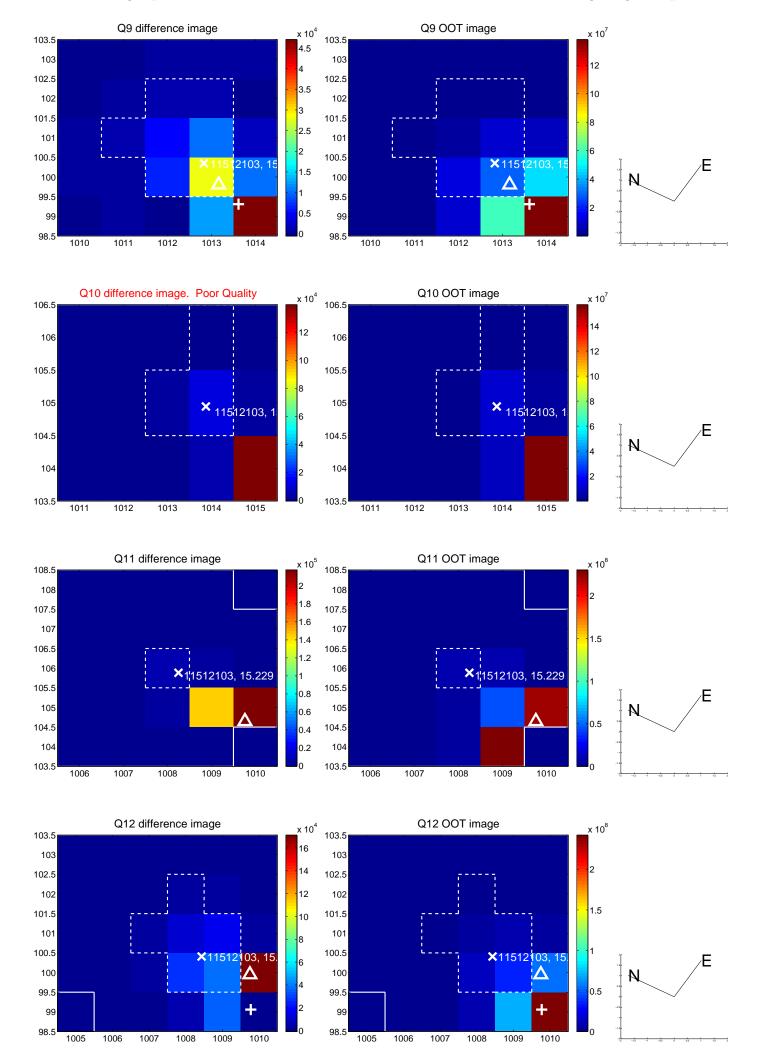
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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



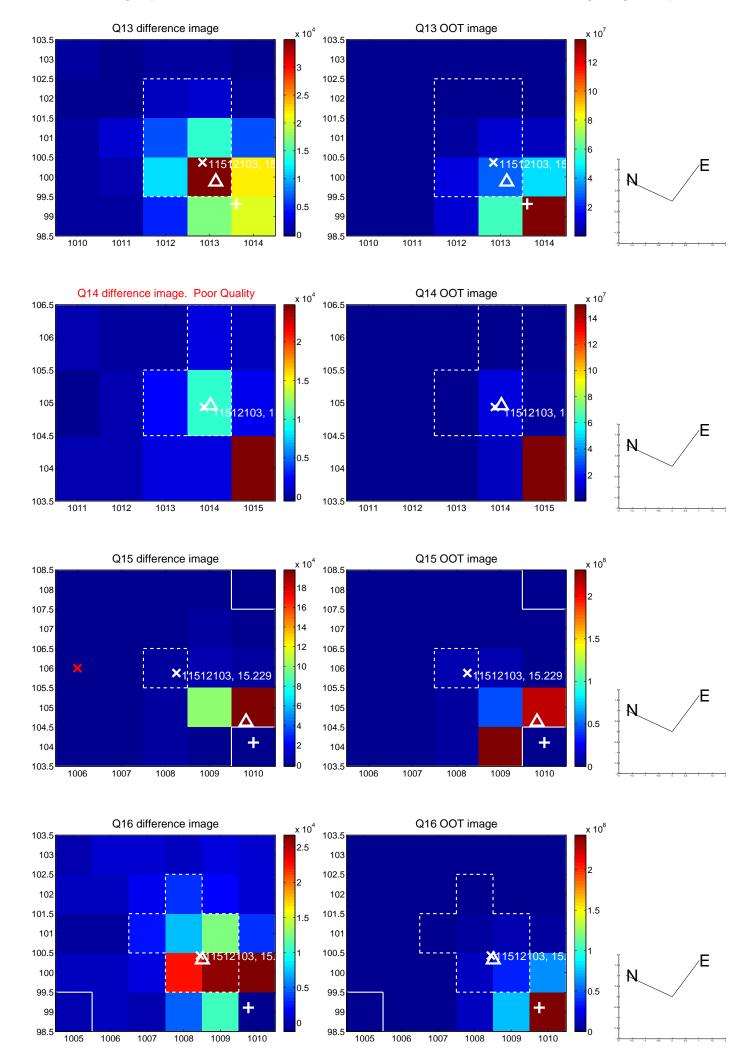
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



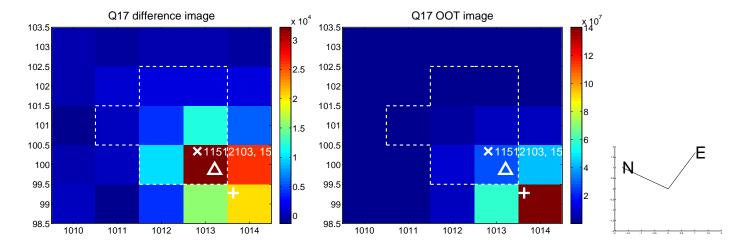
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

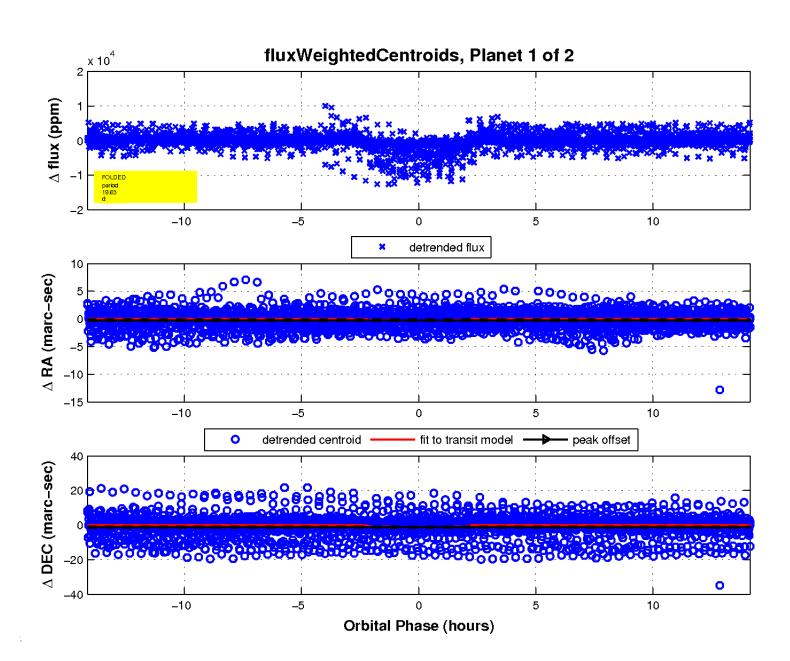


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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





Declination