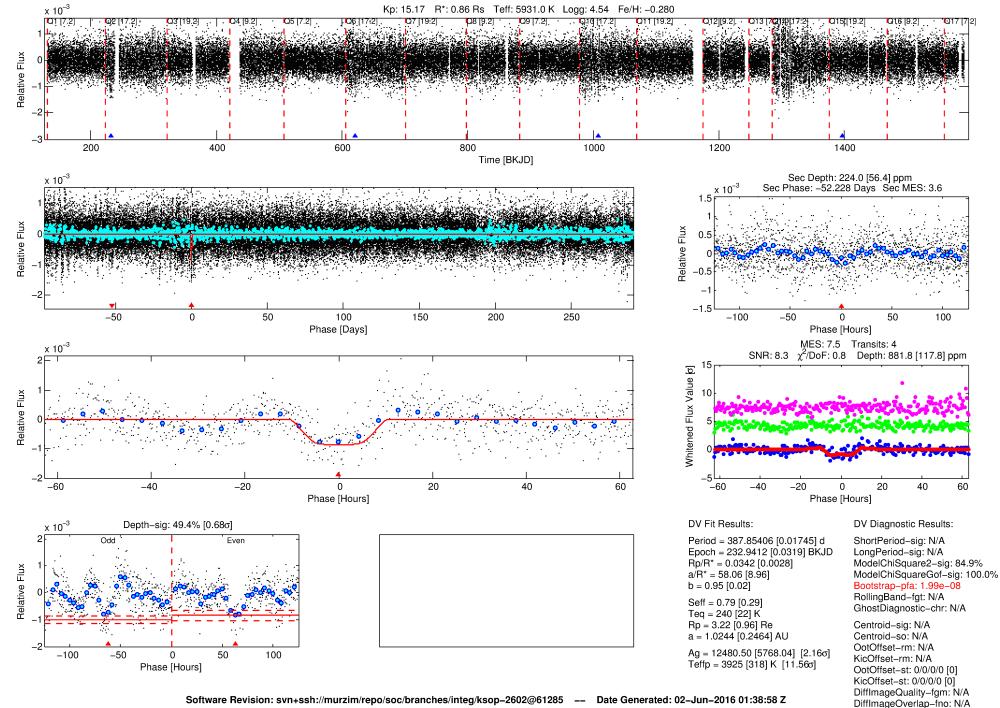
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED

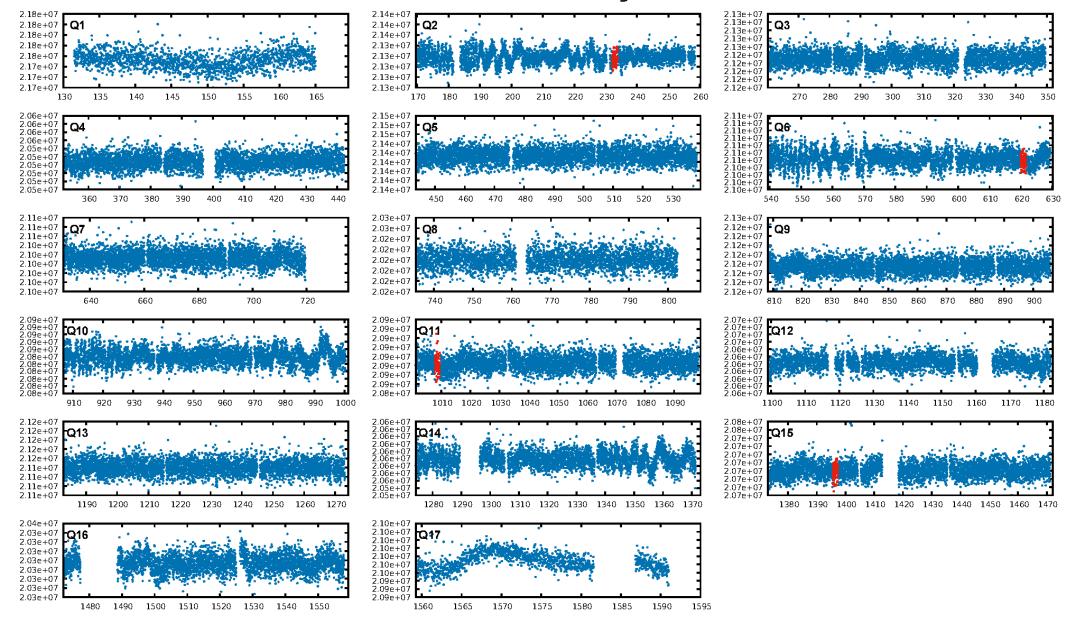
DV One-Page Summary

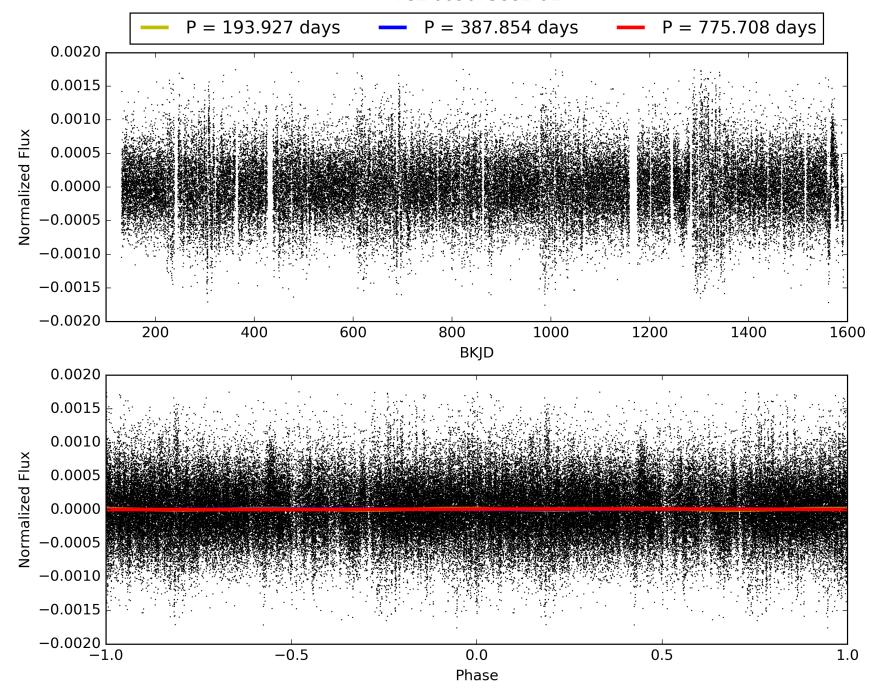
KIC: 9075882 Candidate: 1 of 1 Period: 387.854 d

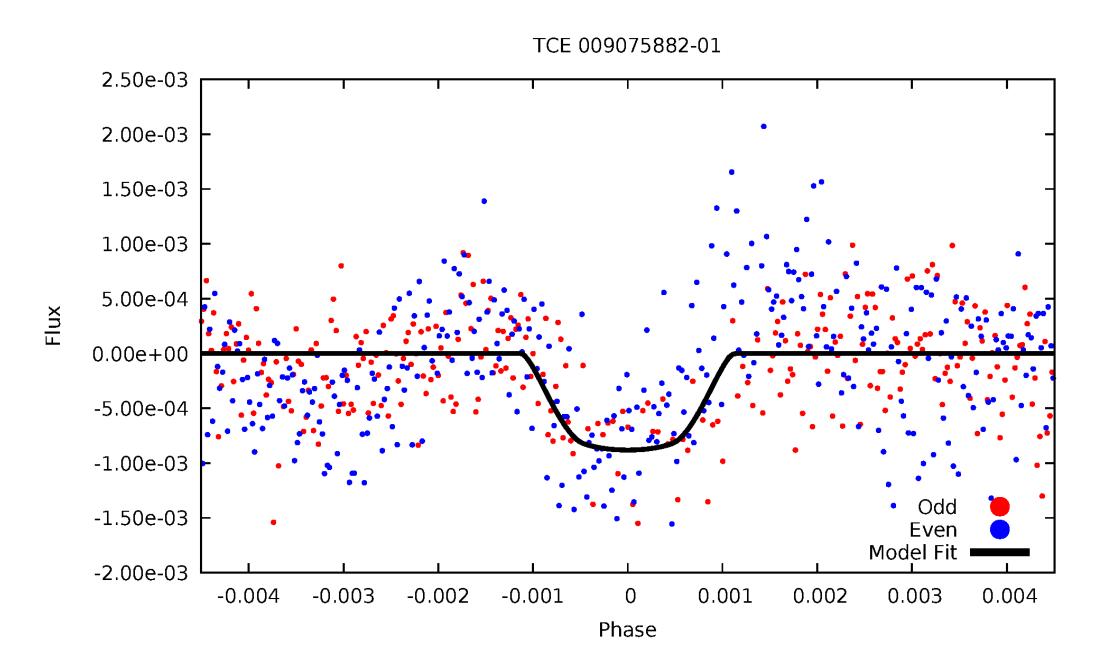
WARNING: THIS DATA IS SIMULATED, NOT OBSERVED



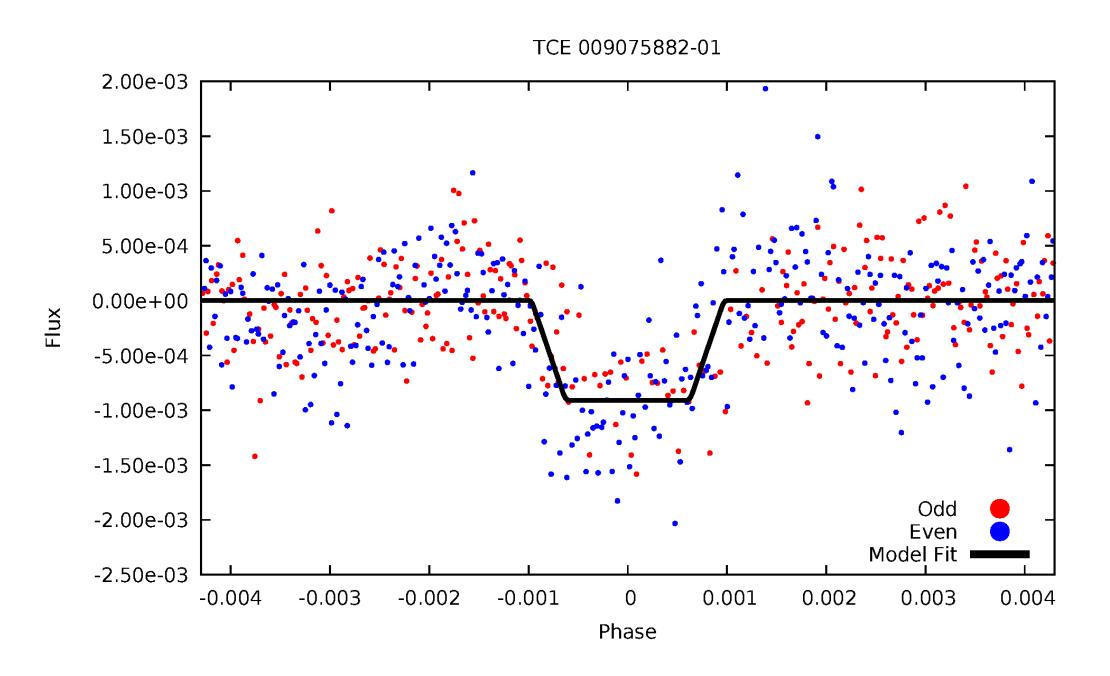
TCE 009075882-01, PDC Light Curves



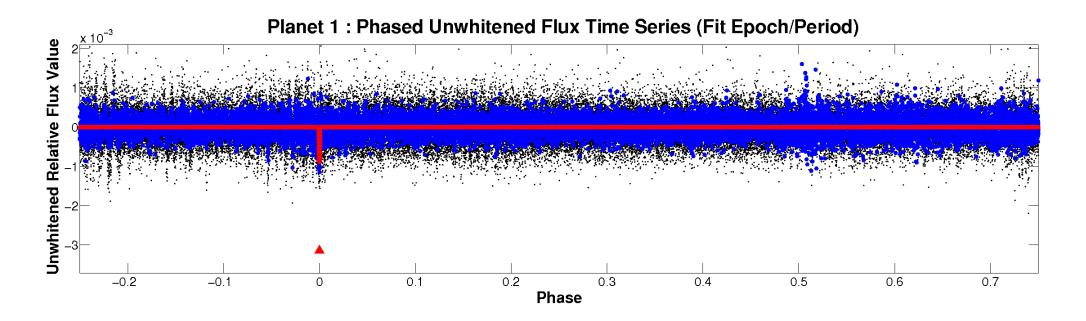


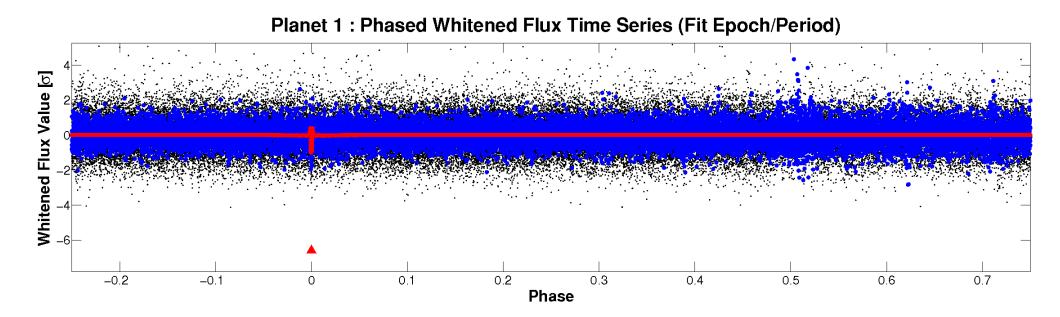


ALT Odd/Even



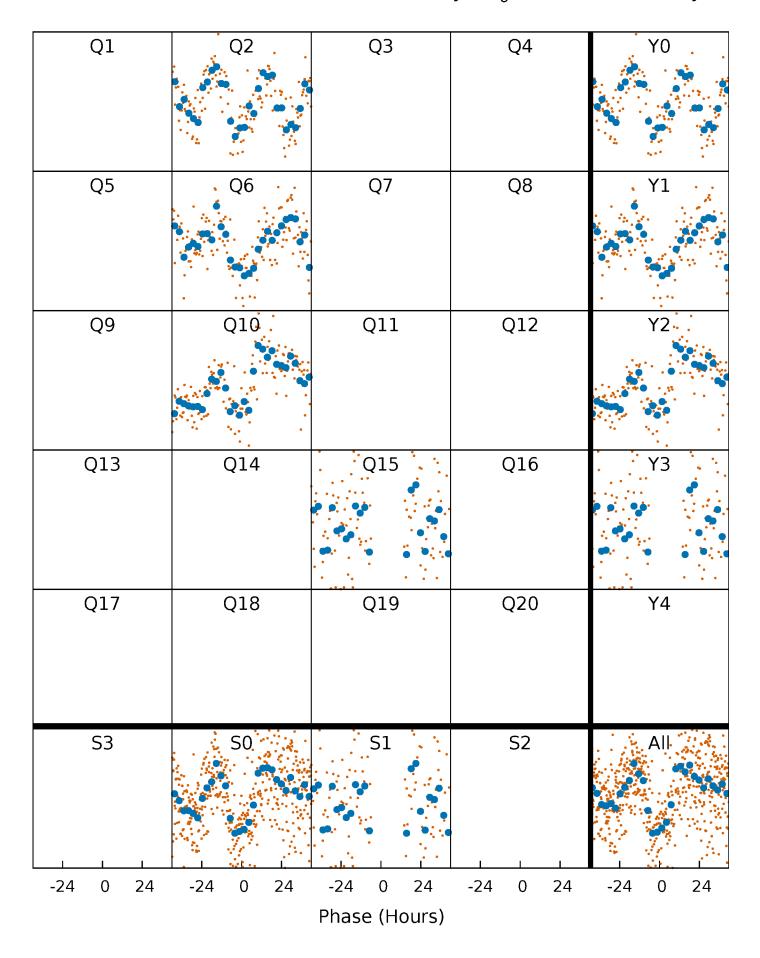
Non-Whitened Vs. Whitened Light Curve





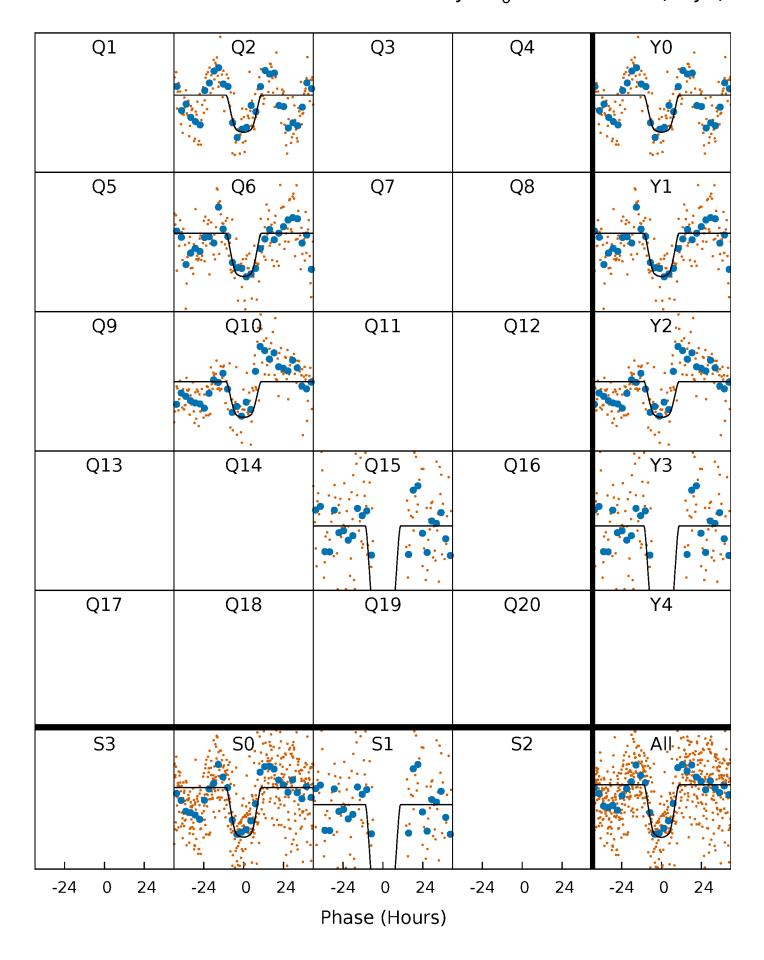
PDC Quarter-Phased Transit Curves

TCE 009075882-01 $P=387.854056 Days T_0=232.941225 (BKJD)$



DV Quarter-Phased Transit Curves

TCE 009075882-01 P=387.854056 Days T_0 =232.941225 (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

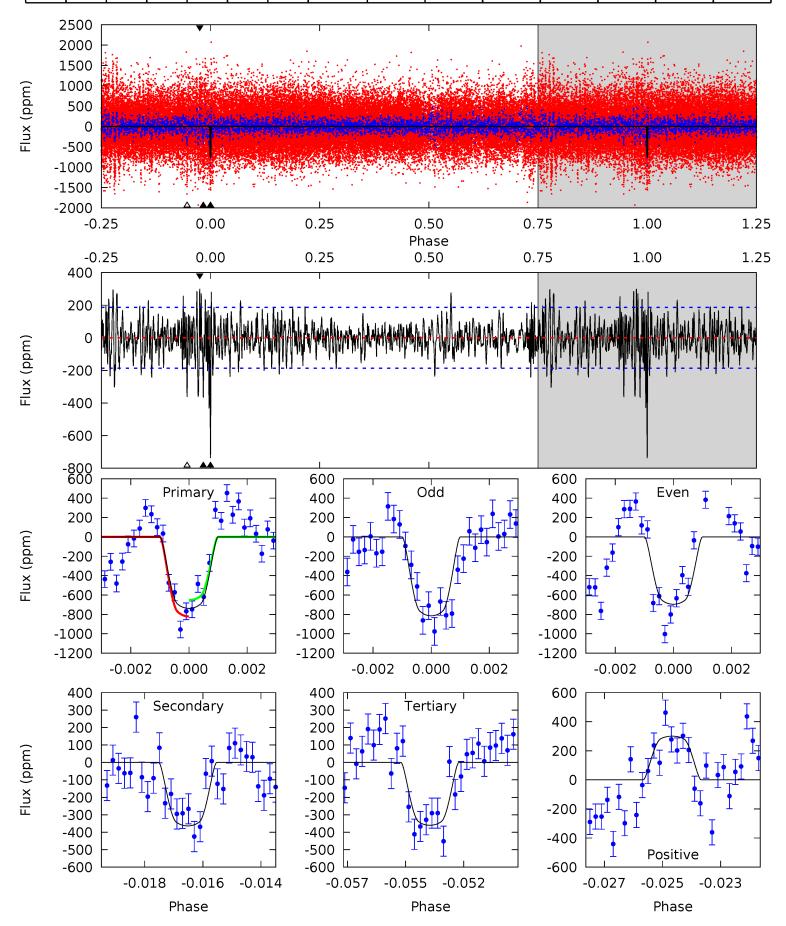
TCE 009075882-01 $P=387.842591 Days T_0=232.959792 (BKJD)$



DV Model-Shift Uniqueness Test

009075882-01, P = 387.854056 Days, E = 232.941225 Days

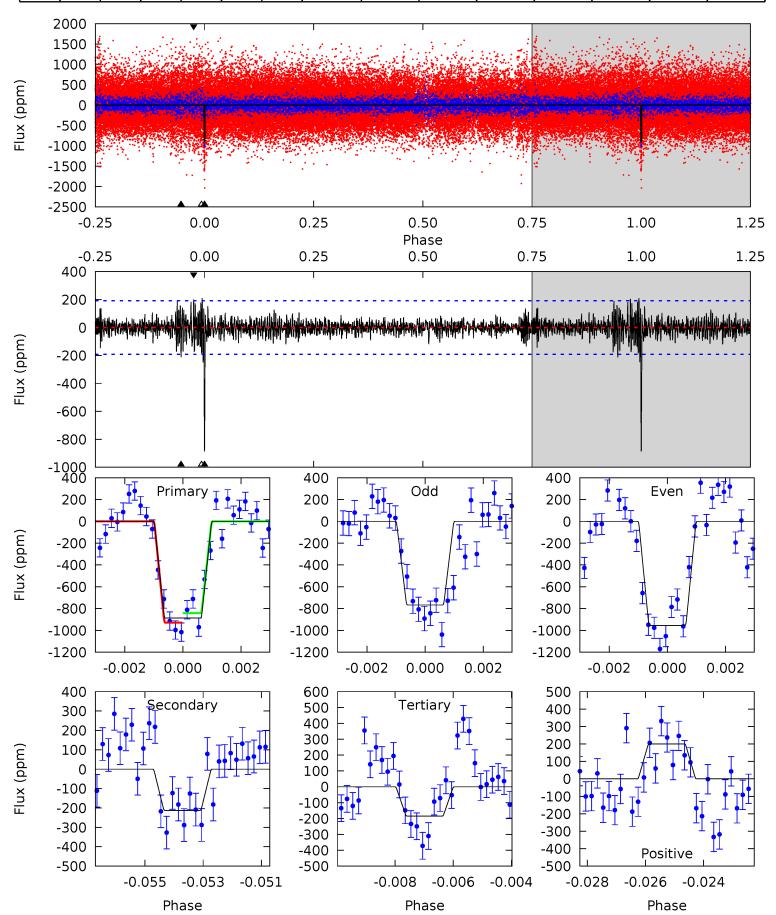
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.0	10.3	10.2	8.54	5.30	3.05	2.43	10.7	12.4	0.10	1.79	1.64	0.95	0.29	2.40



Alt Model-Shift Uniqueness Test

009075882-01, P = 387.842591 Days, E = 232.959792 Days

	Pri	Sec	Ter	Pos	FA ₁	FA ₂	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
ſ	24.7	5.91	5.12	5.56	5.33	3.10	1.20	19.5	19.1	0.79	0.35	2.53	0.86	0.19	1.20



Stellar Parameters For KIC 009075882

	$T_{\rm eff}(K)$	$\log(g)$	[Fe/H]	$R\left(\mathrm{R}_{\odot}\right)$	$M(\mathrm{M}_{\odot})$	$p_{\star} (\text{g} \cdot \text{cm}^{-3})$
	5931^{+161}_{-178}	$4.545^{+0.036}_{-0.192}$	$-0.280^{+0.300}_{-0.300}$	$0.863^{+0.246}_{-0.077}$	$0.953^{+0.109}_{-0.119}$	$2.087^{+0.391}_{-0.983}$
	+3%/-3%	+1%/-4%	+107%/-107%	+29%/-9%	+11%/-12%	+19%/-47%
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 009075882-01 / KOI 8175.01

Detrend	Depth (ppm)	$R_p(R_{\bigoplus})$	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-364 ± 35	$3.39^{+0.50}_{-0.42}$	344^{+22}_{-15}	4586^{+220}_{-185}	17886^{+5321}_{-4326}
Alt.	-213±36	$3.00^{+0.46}_{-0.37}$	344^{+22}_{-15}	4318^{+245}_{-218}	13075_{-3664}^{+4455}

 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 $A_{obs} \gg 1.0$

