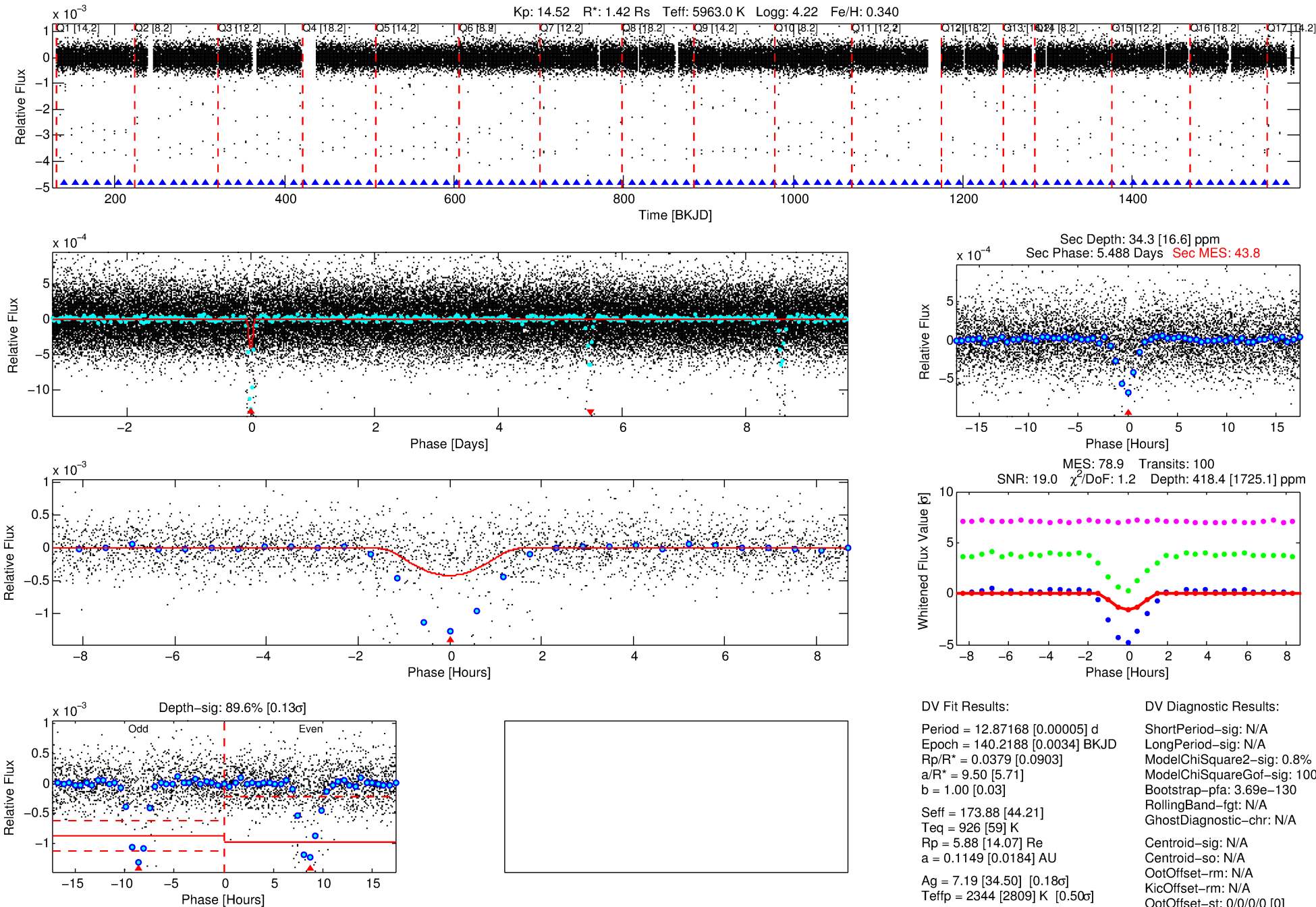


**WARNING: THIS DATA IS
SIMULATED, NOT OBSERVED**

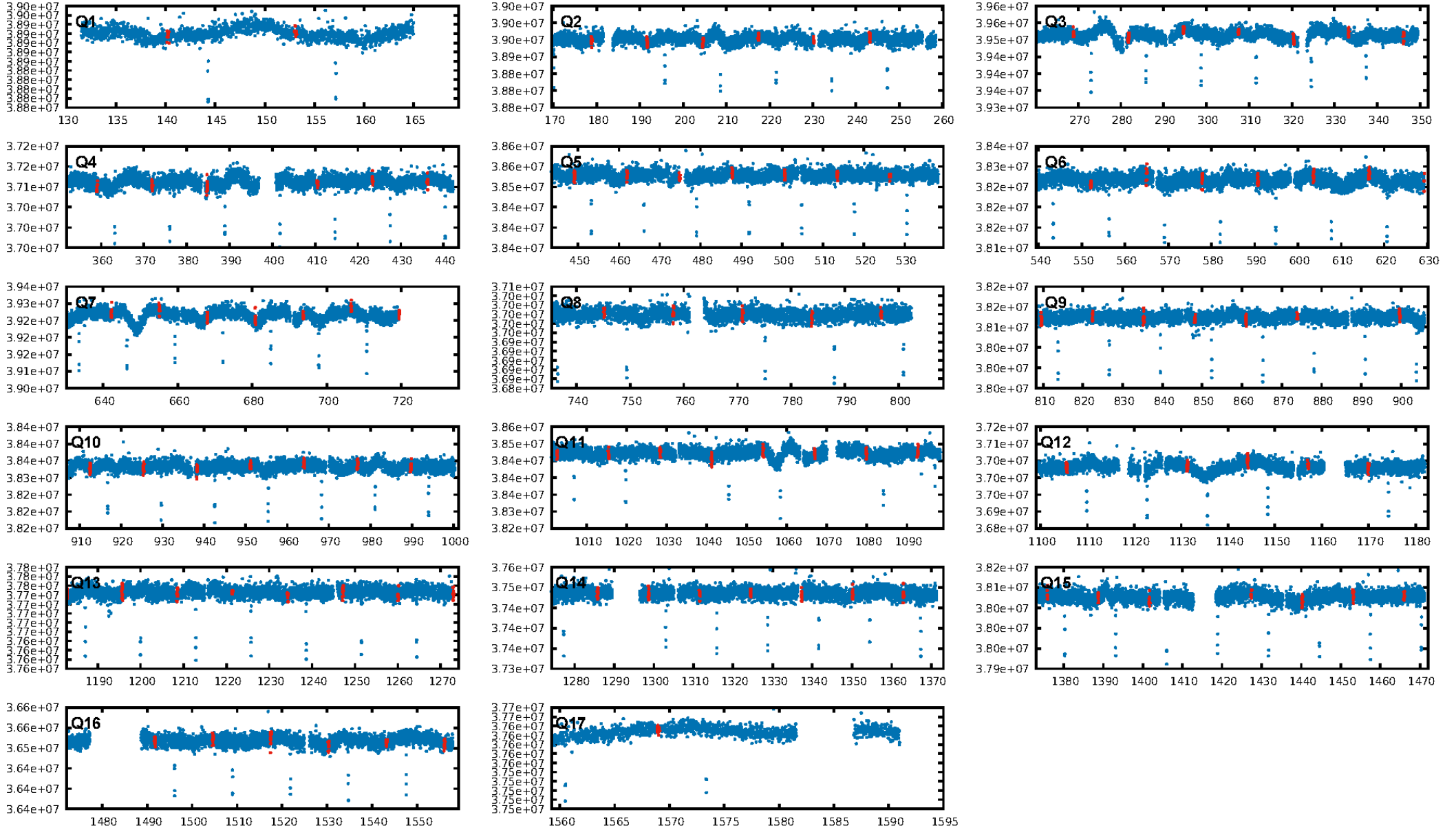
DV One-Page Summary

KIC: 7368664 Candidate: 1 of 1 Period: 12.872 d

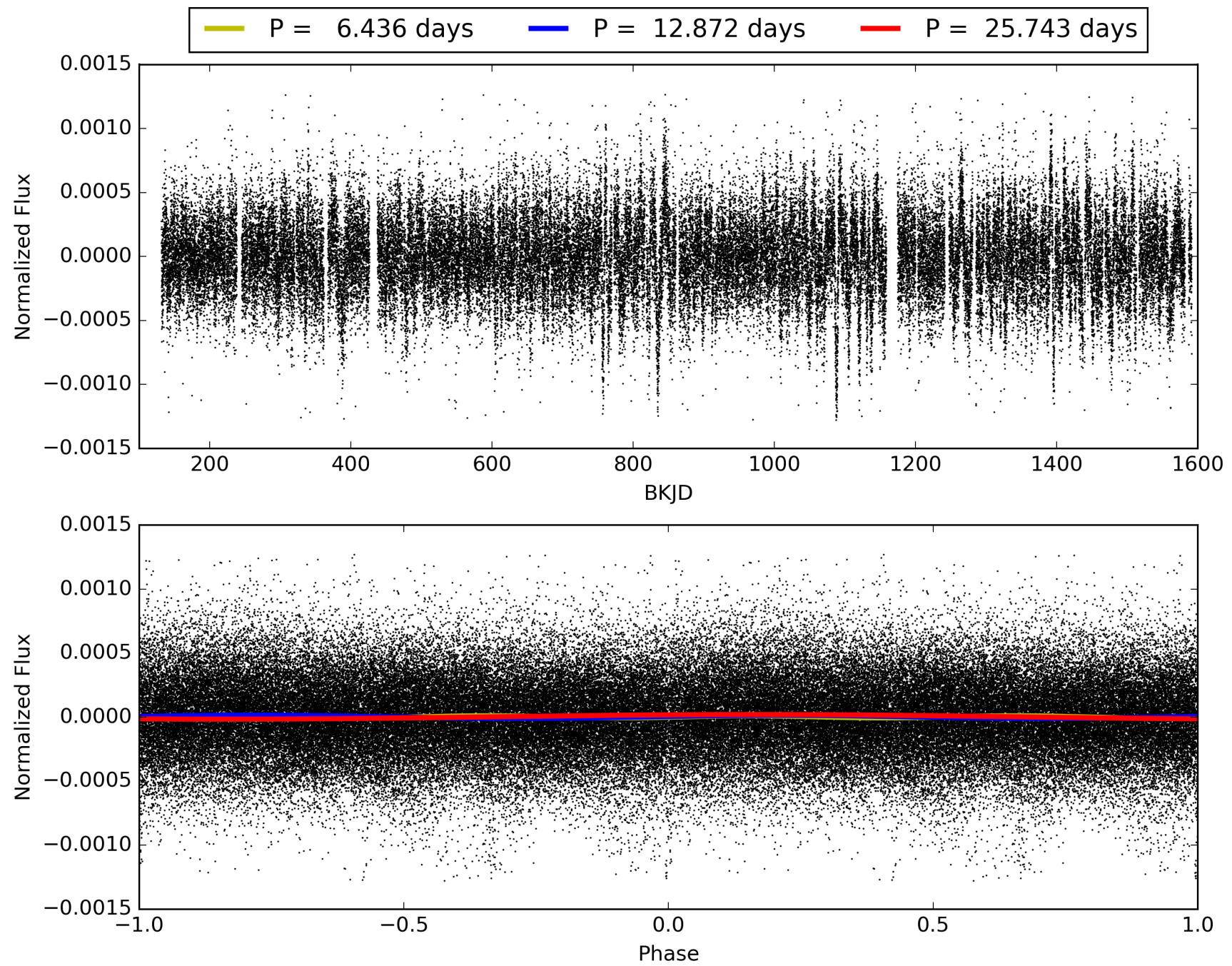
**WARNING: THIS DATA IS
SIMULATED, NOT OBSERVED**



TCE 007368664-01, PDC Light Curves

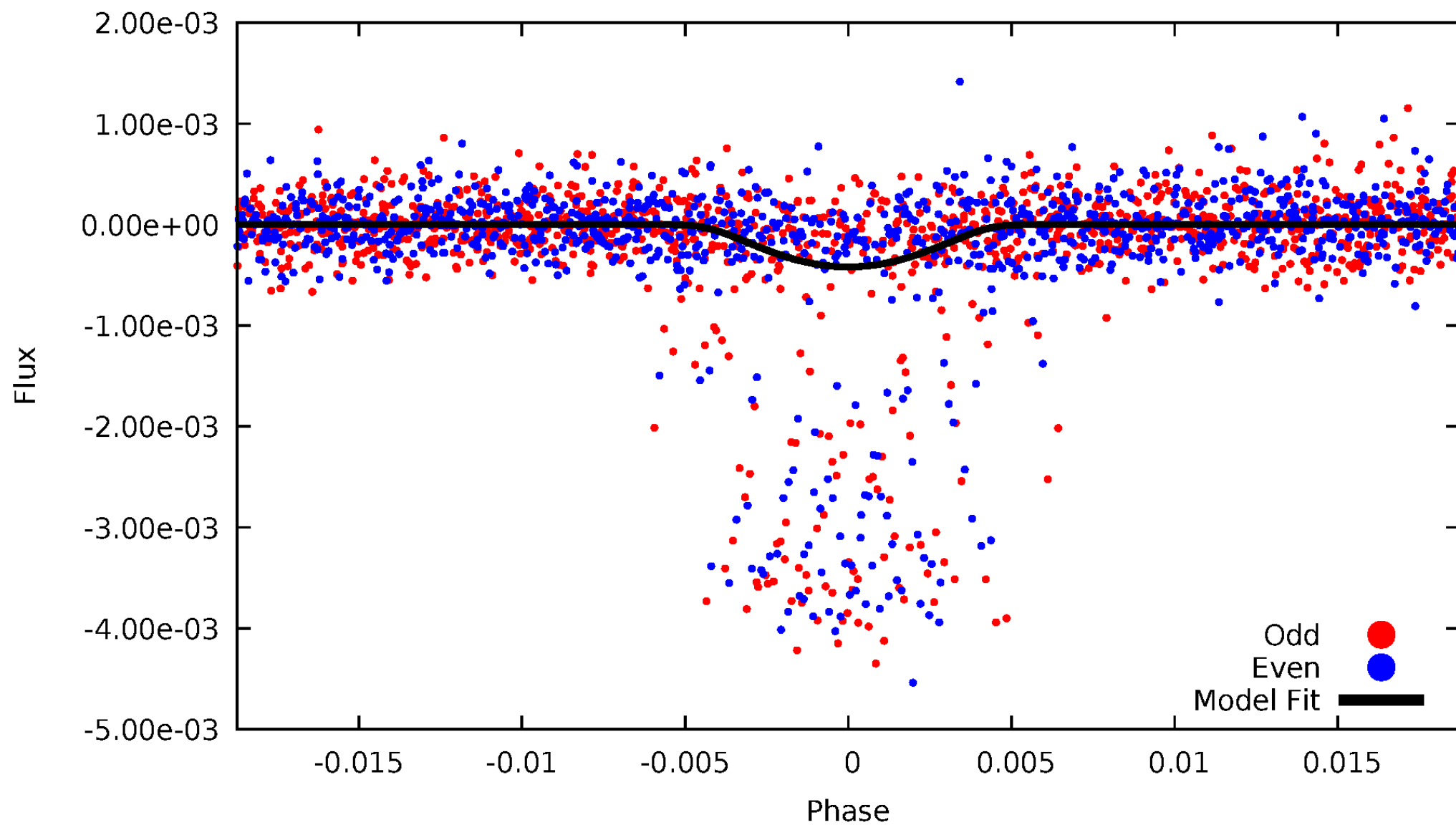


TCE 007368664-01



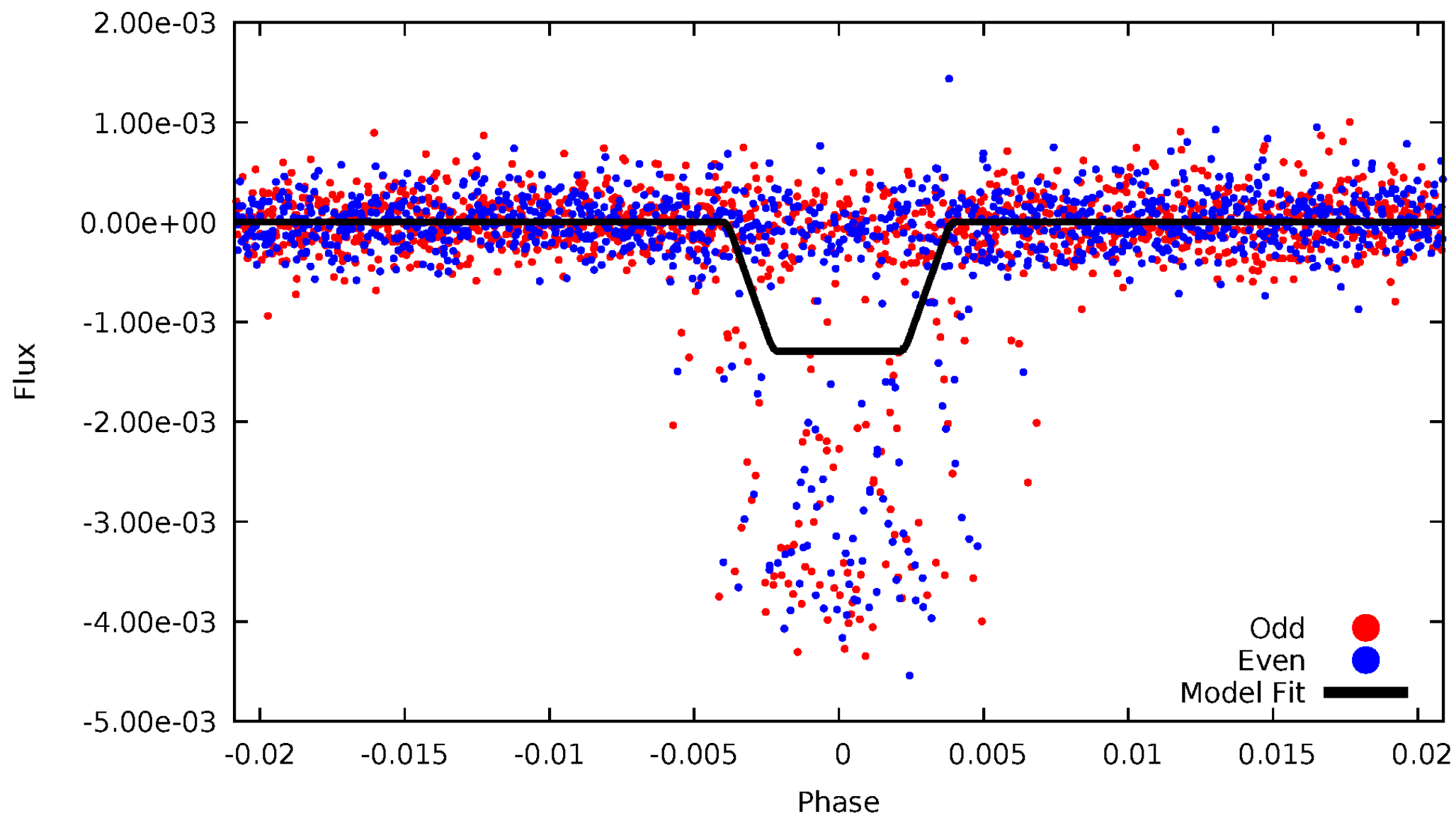
DV Odd/Even

TCE 007368664-01



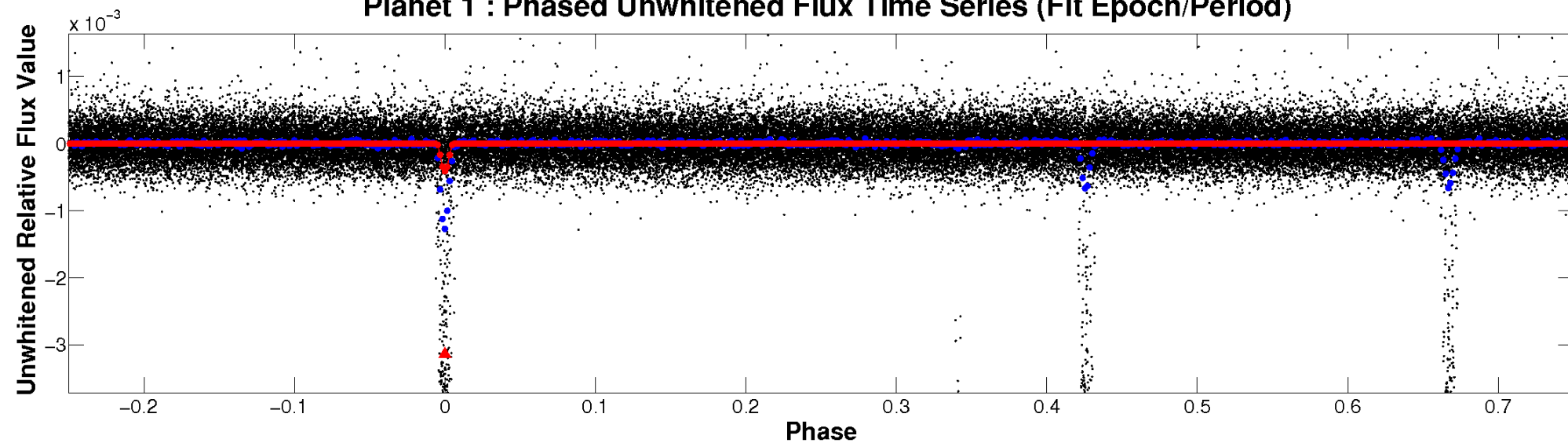
ALT Odd/Even

TCE 007368664-01

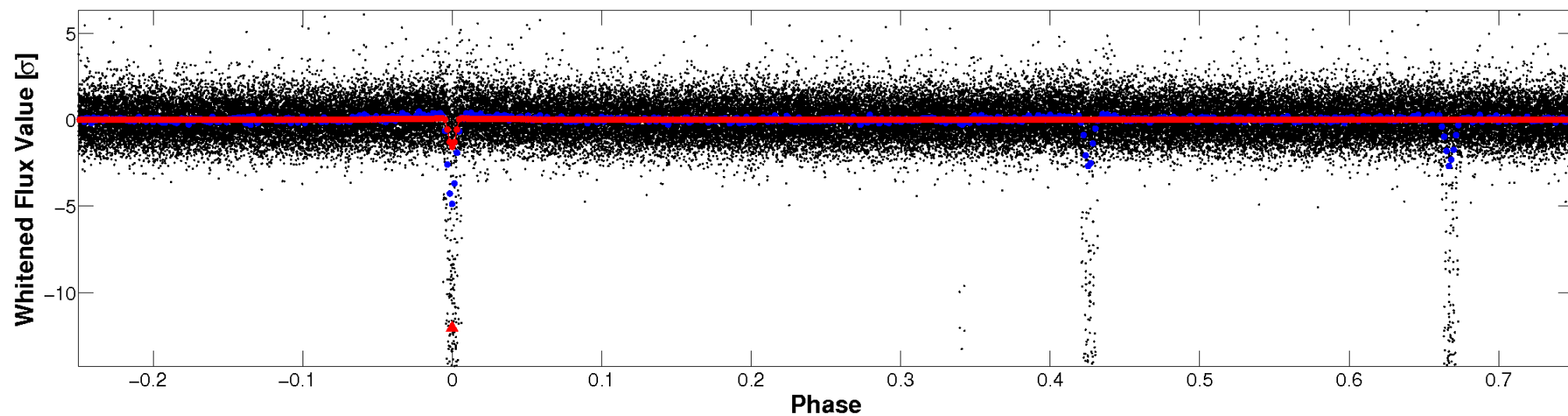


Non-Whitened Vs. Whitened Light Curve

Planet 1 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

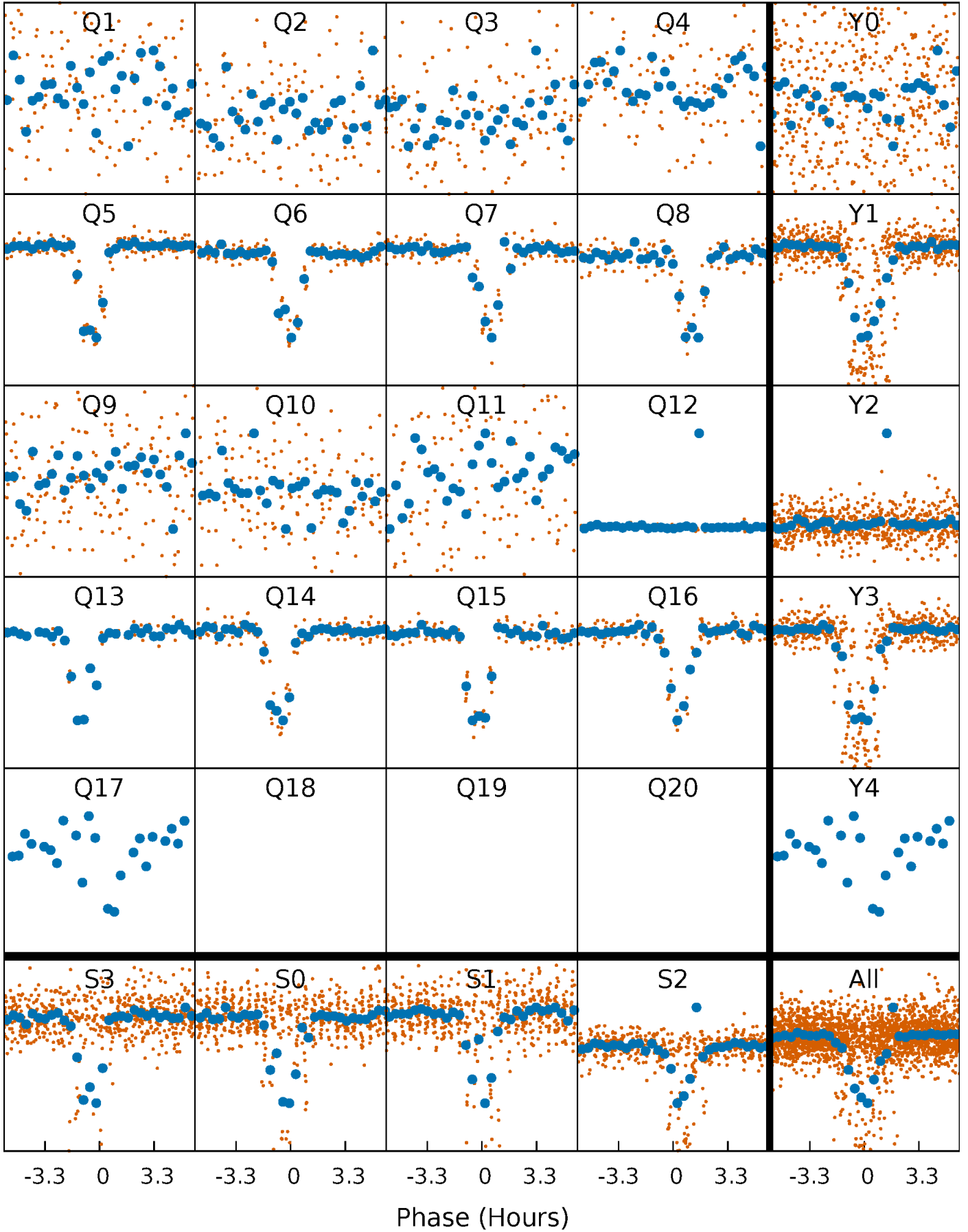


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



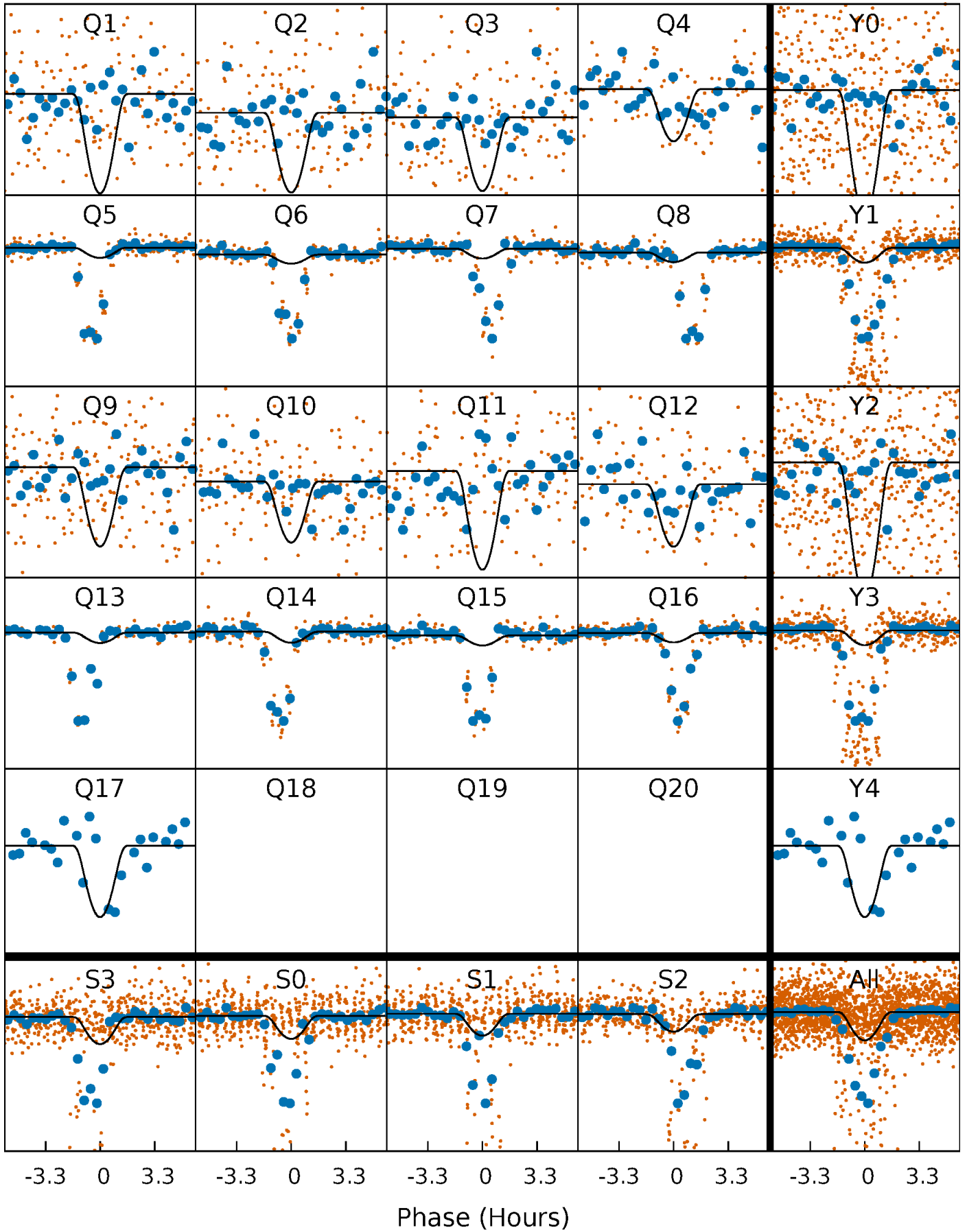
PDC Quarter-Phased Transit Curves

TCE 007368664-01 P= 12.871683 Days $T_0=140.218795$ (BKJD)



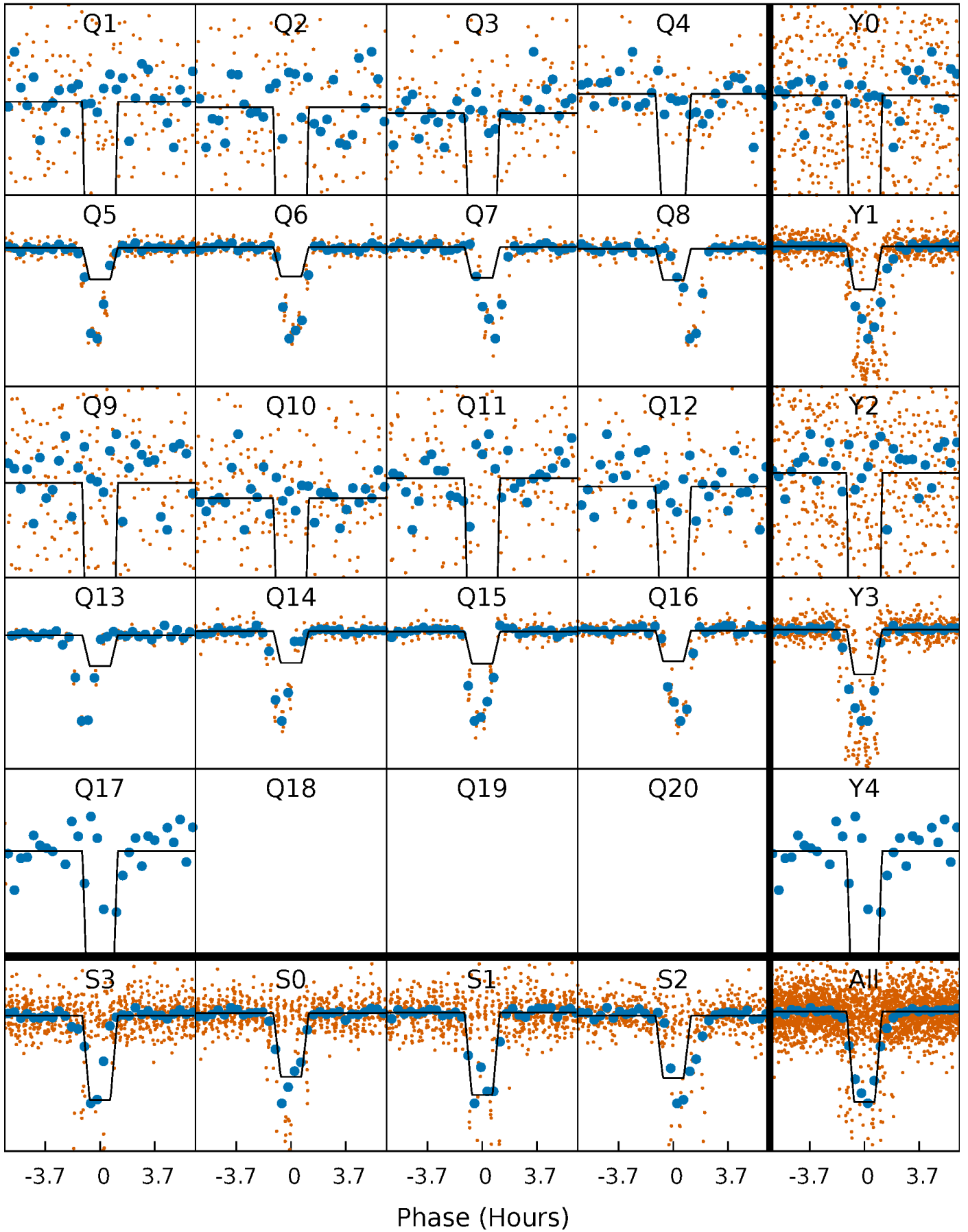
DV Quarter-Phased Transit Curves

TCE 007368664-01 P= 12.871683 Days $T_0=140.218795$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

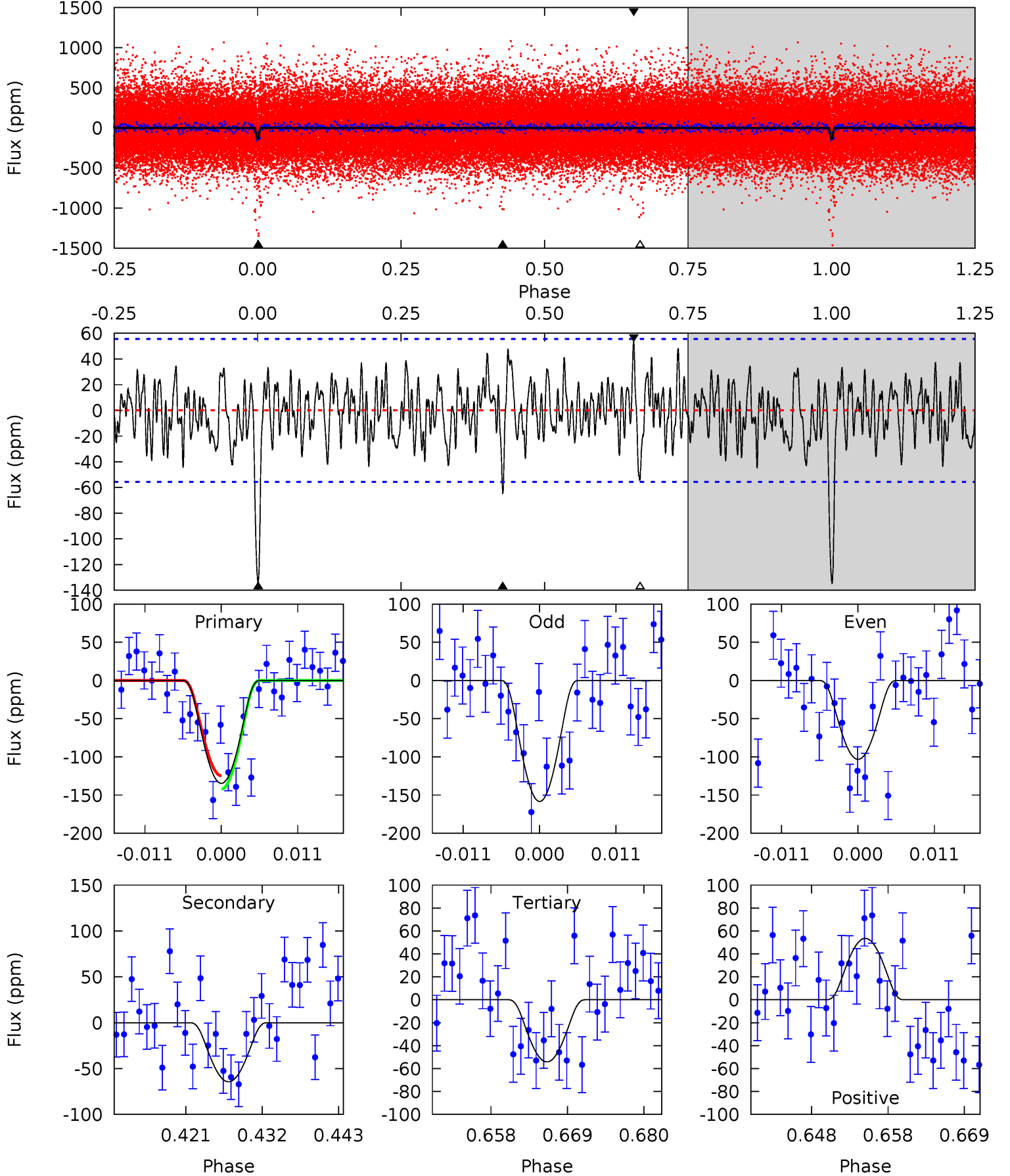
TCE 007368664-01 P= 12.871764 Days $T_0=140.208969$ (BKJD)



DV Model-Shift Uniqueness Test

007368664-01, P = 12.871683 Days, E = 127.347112 Days

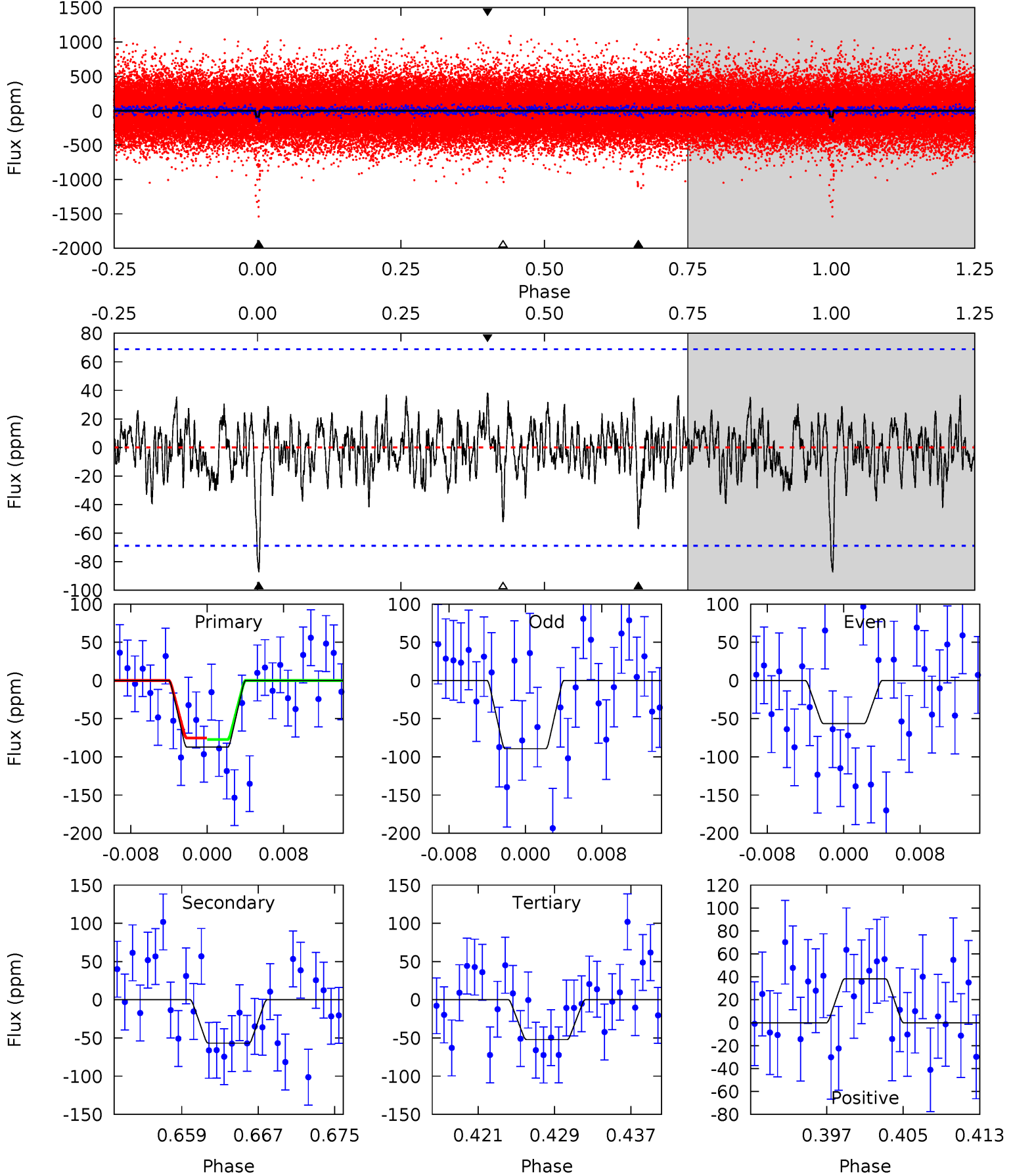
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
12.1	5.81	4.88	4.83	5.01	2.55	1.63	7.25	7.31	0.92	0.98	2.48	4.20	0.28	0.79



Alt Model-Shift Uniqueness Test

007368664-01, P = 12.871764 Days, E = 127.337205 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.43	4.18	3.84	2.82	5.07	2.65	1.04	2.59	3.61	0.34	1.36	1.20	4.35	0.30	0.07



Stellar Parameters For KIC 007368664

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	5963^{+80}_{-80}	$4.218^{+0.143}_{-0.117}$	$0.340^{+0.100}_{-0.150}$	$1.424^{+0.249}_{-0.249}$	$1.220^{+0.086}_{-0.086}$	$0.595^{+0.409}_{-0.208}$
	+1%/-1%	+3%/-3%	+29%/-44%	+17%/-17%	+7%/-7%	+69%/-35%
Source	SPE76	SPE76	SPE76	DSEP		

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

Secondary Eclipse Parameters for KIC 007368664-01 / KOI 0614.01

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-64 ± 11	$11.84^{+12.03}_{-7.85}$	1298^{+57}_{-65}	2663^{+1059}_{-495}	$3.334^{+26.223}_{-2.510}$
Alt.	-57 ± 14	$11.21^{+11.05}_{-7.66}$	1291^{+62}_{-63}	2668^{+1119}_{-506}	$3.268^{+31.580}_{-2.460}$

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 $T_{\text{obs}} \gg T_{\text{max}}$ AND $A_{\text{obs}} \gg 1.0$

UKIRT Image

Declination

