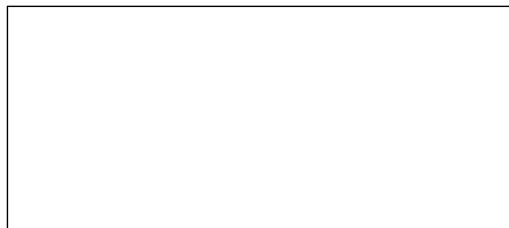
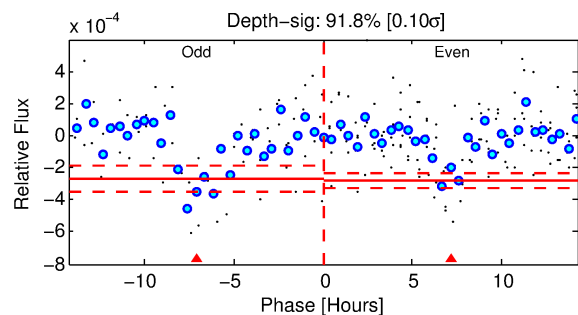
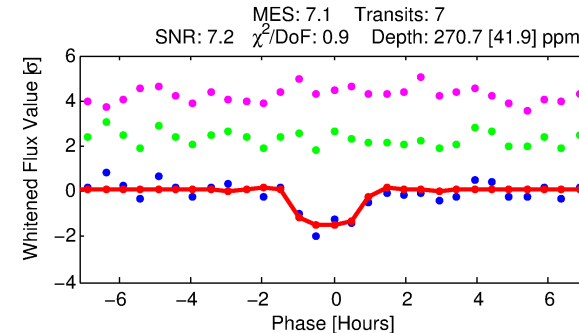
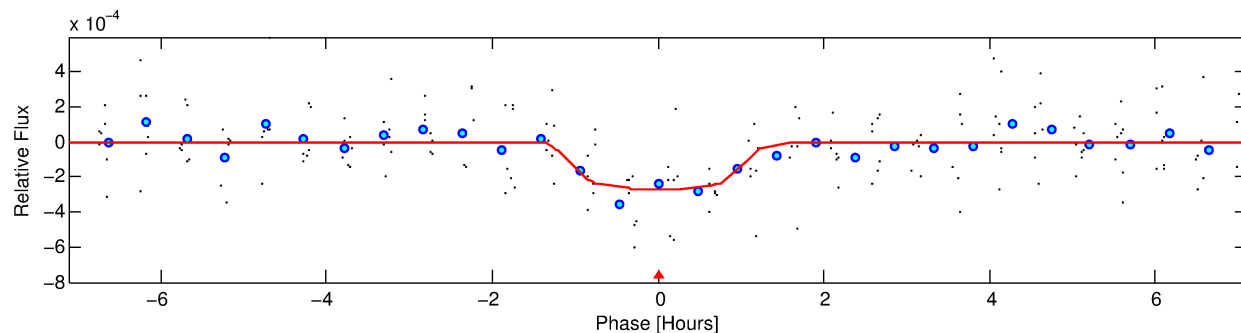
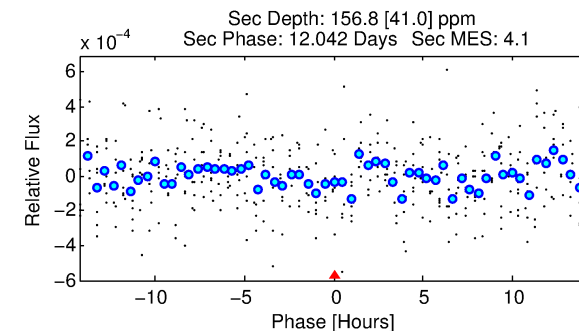
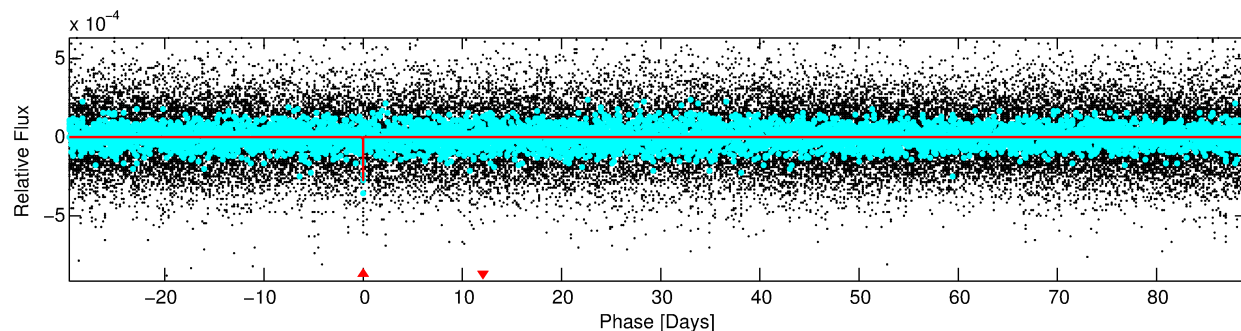
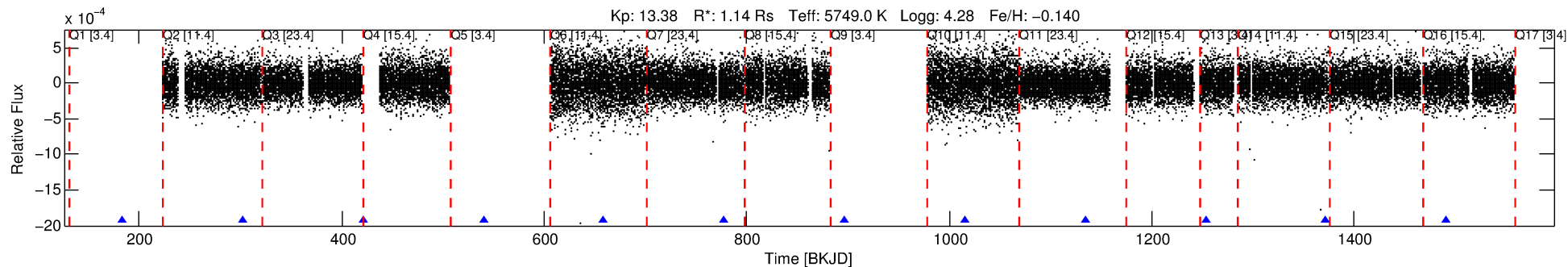


**WARNING: THIS DATA IS
SIMULATED, NOT OBSERVED**

DV One-Page Summary

KIC: 5937733 Candidate: 1 of 1 Period: 118.862 d

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



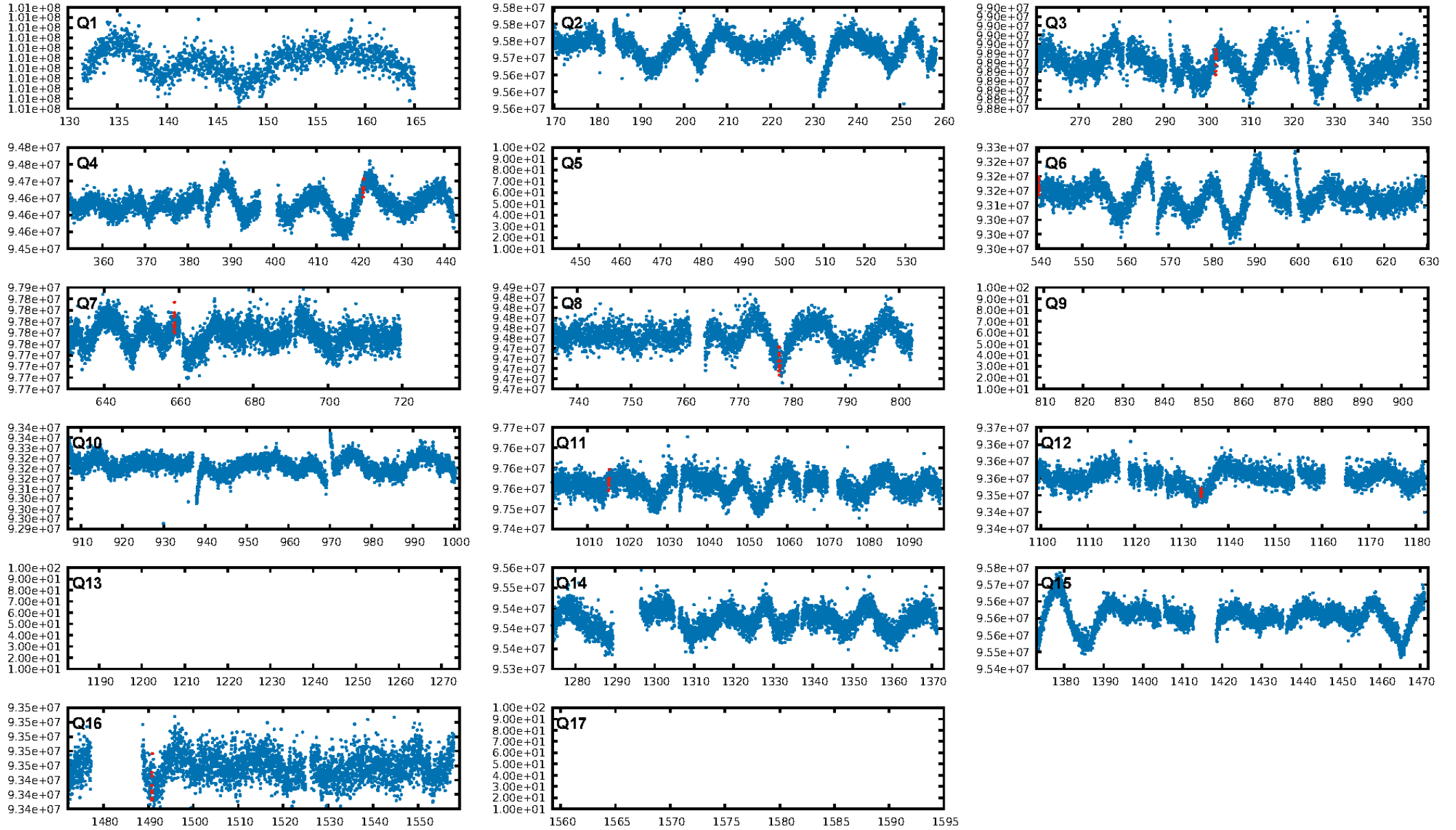
DV Fit Results:

Period = 118.86231 [0.00146] d
Epoch = 183.3229 [0.0105] BKJD
Rp/R* = 0.0177 [0.0176]
a/R* = 191.98 [907.26]
b = 0.89 [1.17]
Seff = 6.11 [2.46]
Teq = 401 [40] K
Rp = 2.21 [2.29] Re
a = 0.4575 [0.1169] AU
Ag = 3699.87 [7558.25] [0.49σ]
Teffp = 4834 [2427] K [1.83σ]

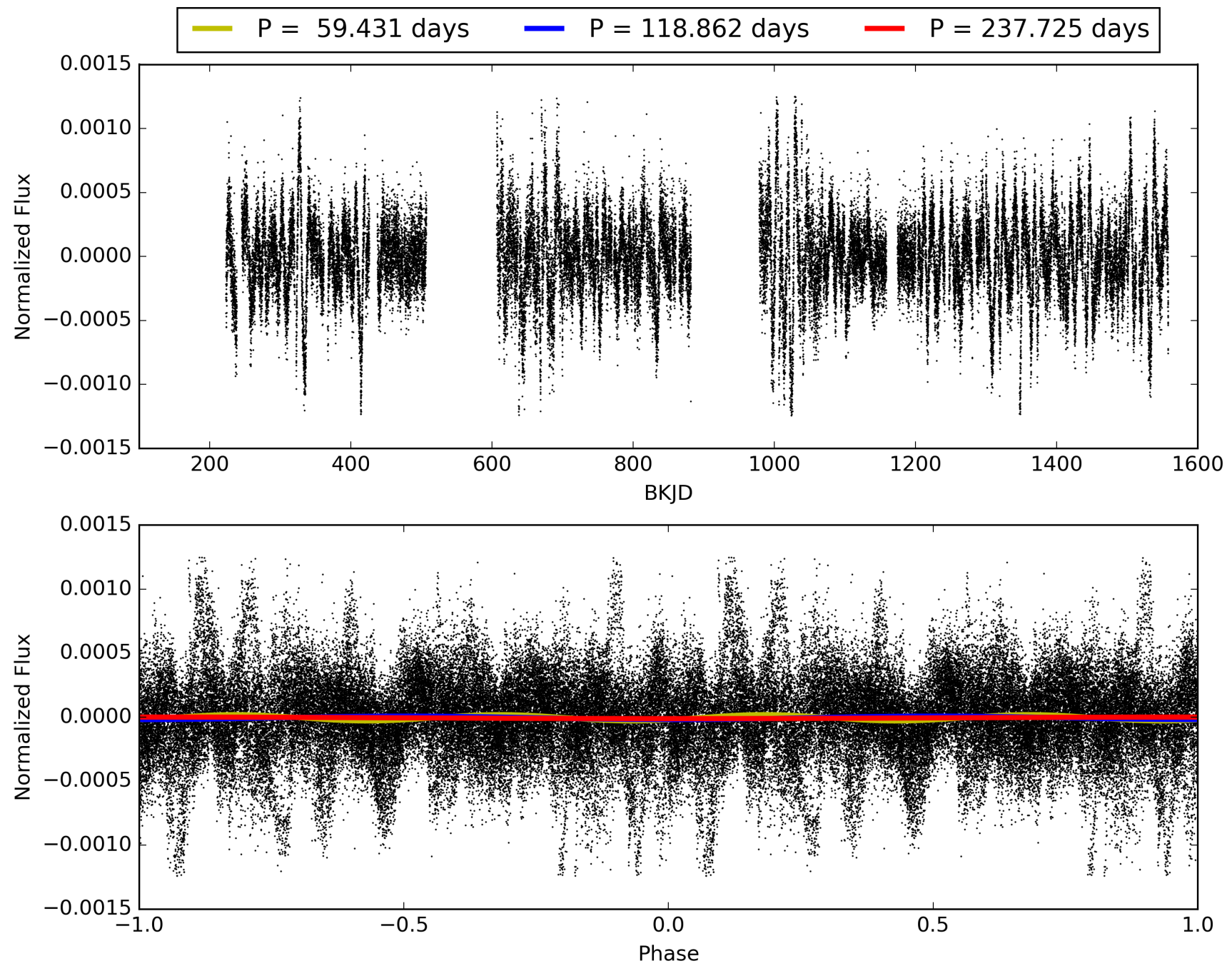
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: N/A
ModelChiSquare2-sig: 87.6%
ModelChiSquareGof-sig: 99.2%
Bootstrap-pfa: 7.58e-12
RollingBand-fgt: N/A
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: N/A
KicOffset-rm: N/A
OotOffset-st: 0/0/0 [0]
KicOffset-st: 0/0/0 [0]
DiffImageQuality-fgm: N/A
DiffImageOverlap-fno: N/A

TCE 005937733-01, PDC Light Curves

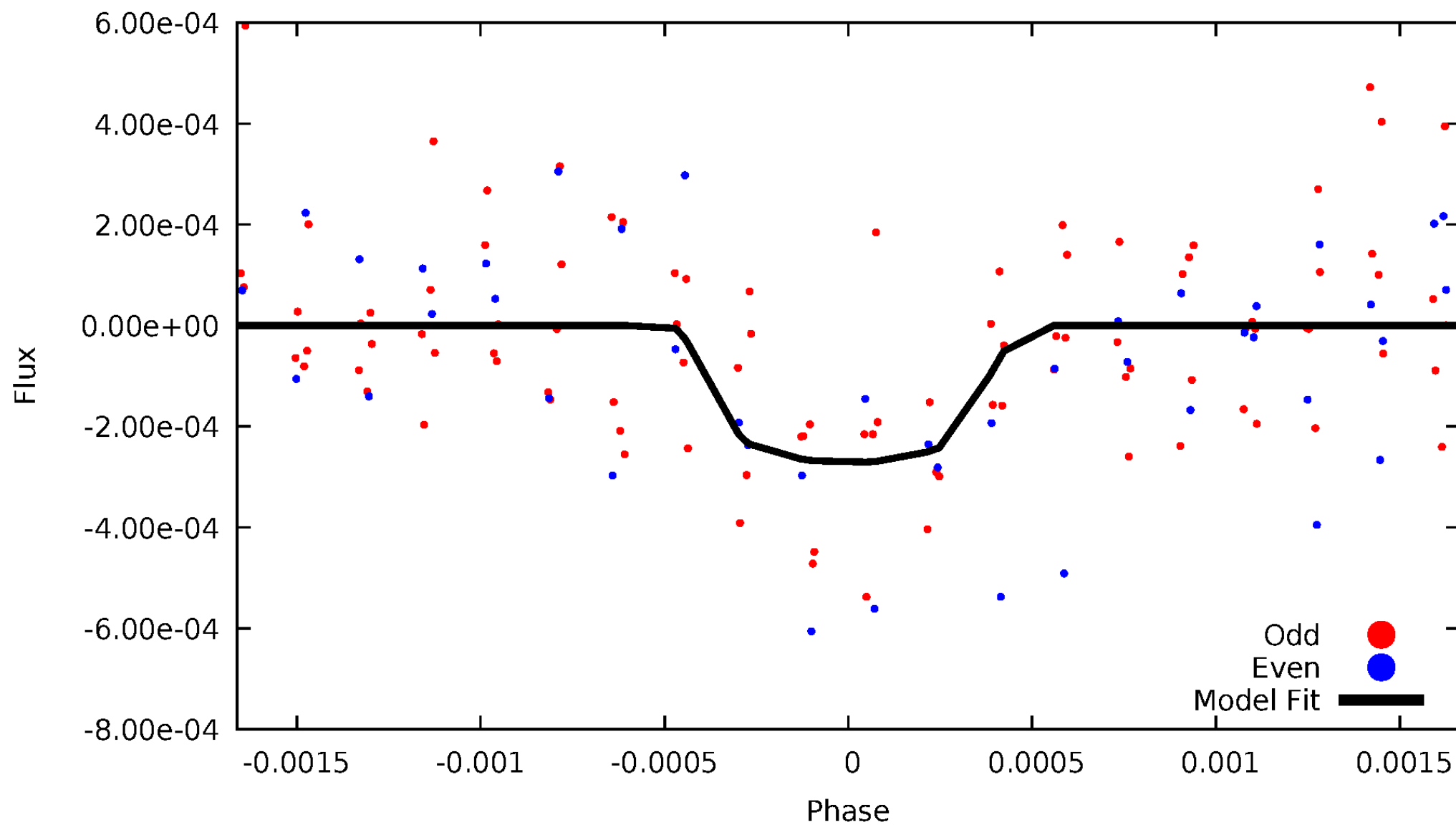


TCE 005937733-01



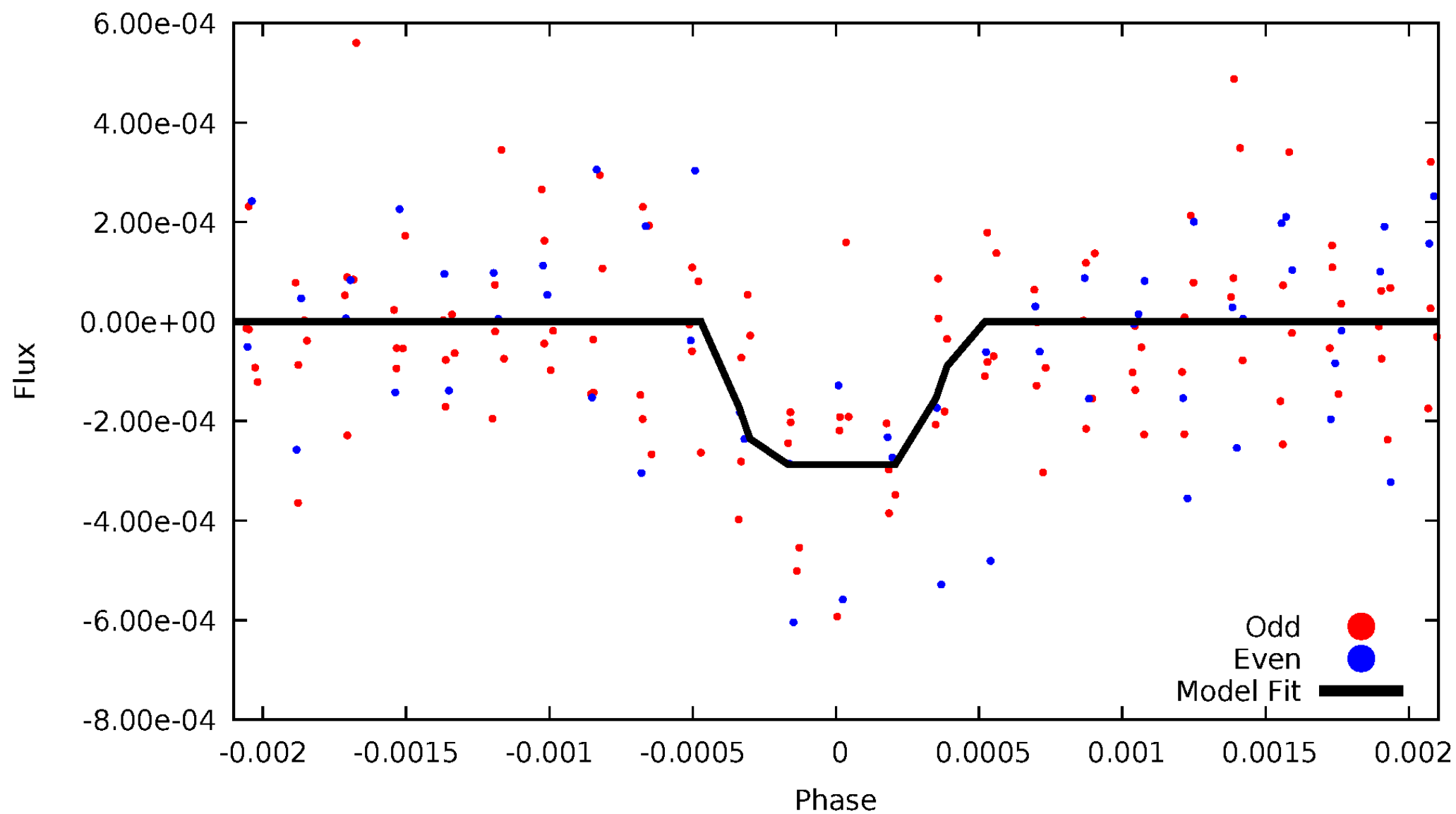
DV Odd/Even

TCE 005937733-01

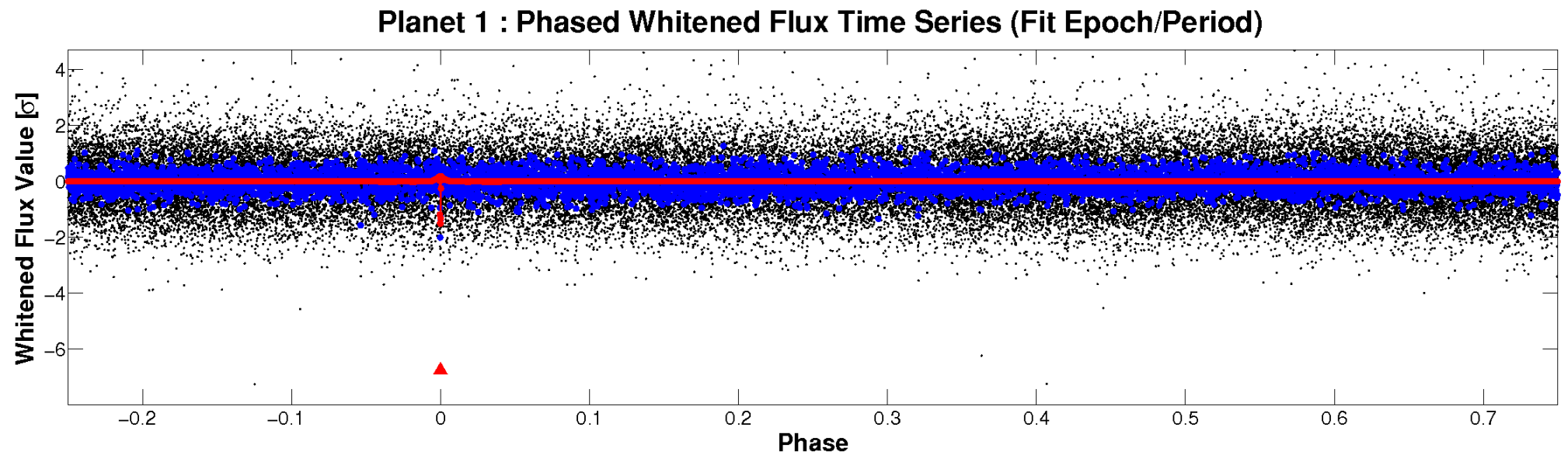
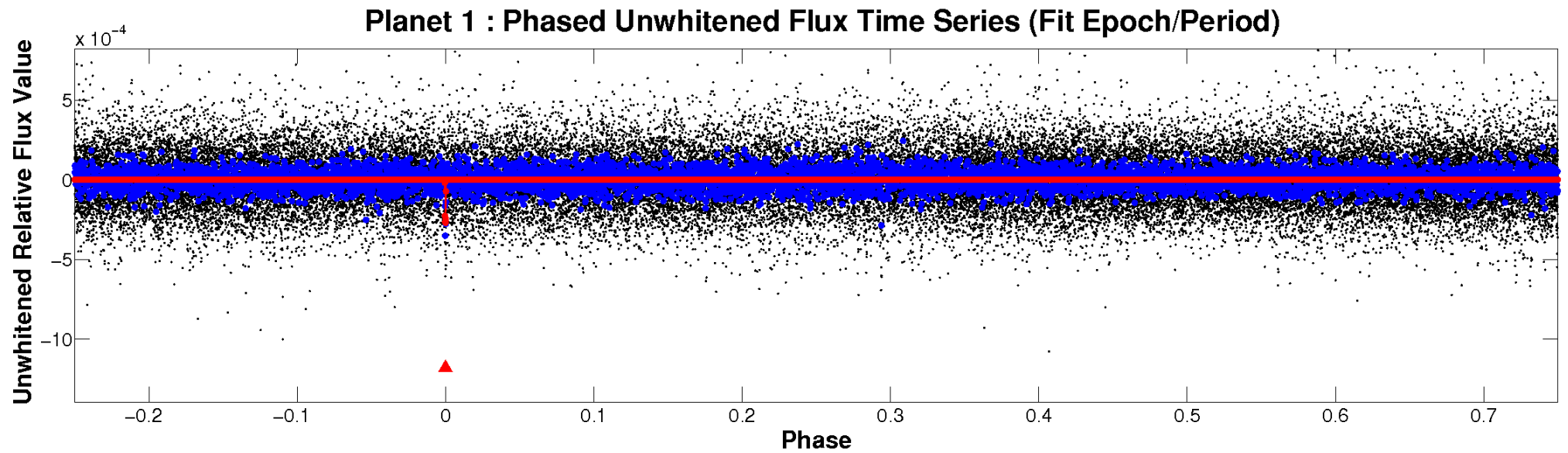


ALT Odd/Even

TCE 005937733-01

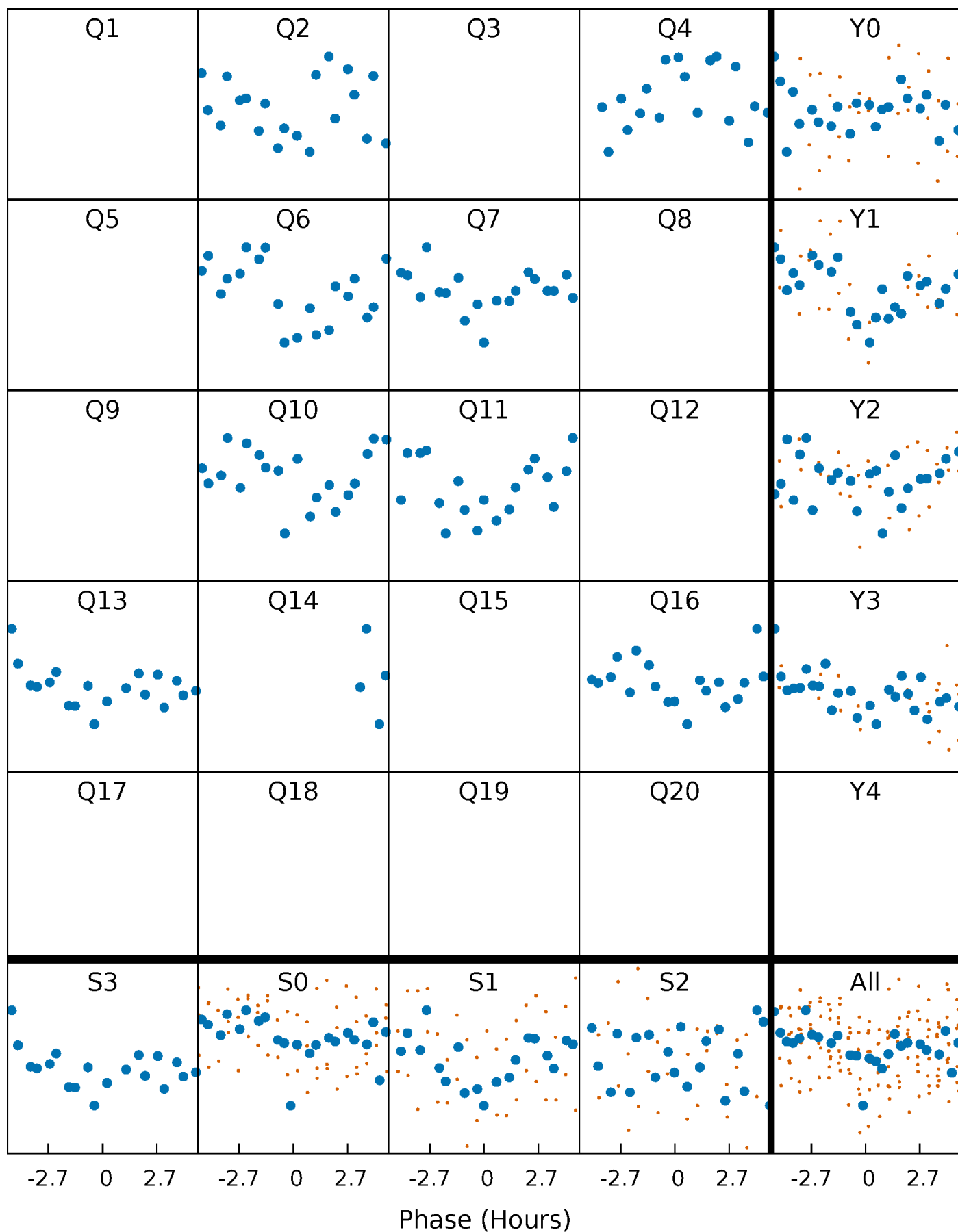


Non-Whitened Vs. Whitened Light Curve



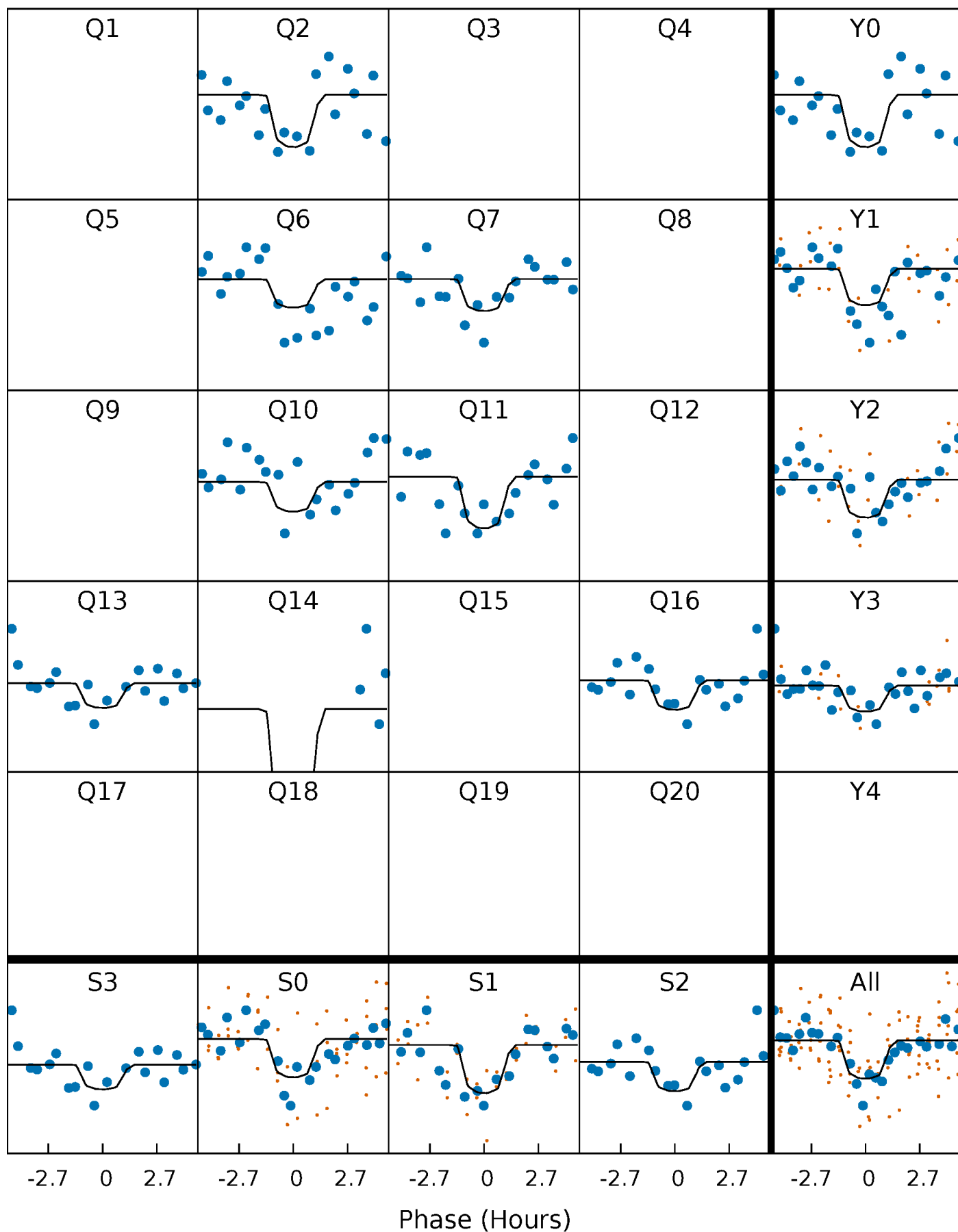
PDC Quarter-Phased Transit Curves

TCE 005937733-01 P=118.862310 Days $T_0=183.322861$ (BKJD)



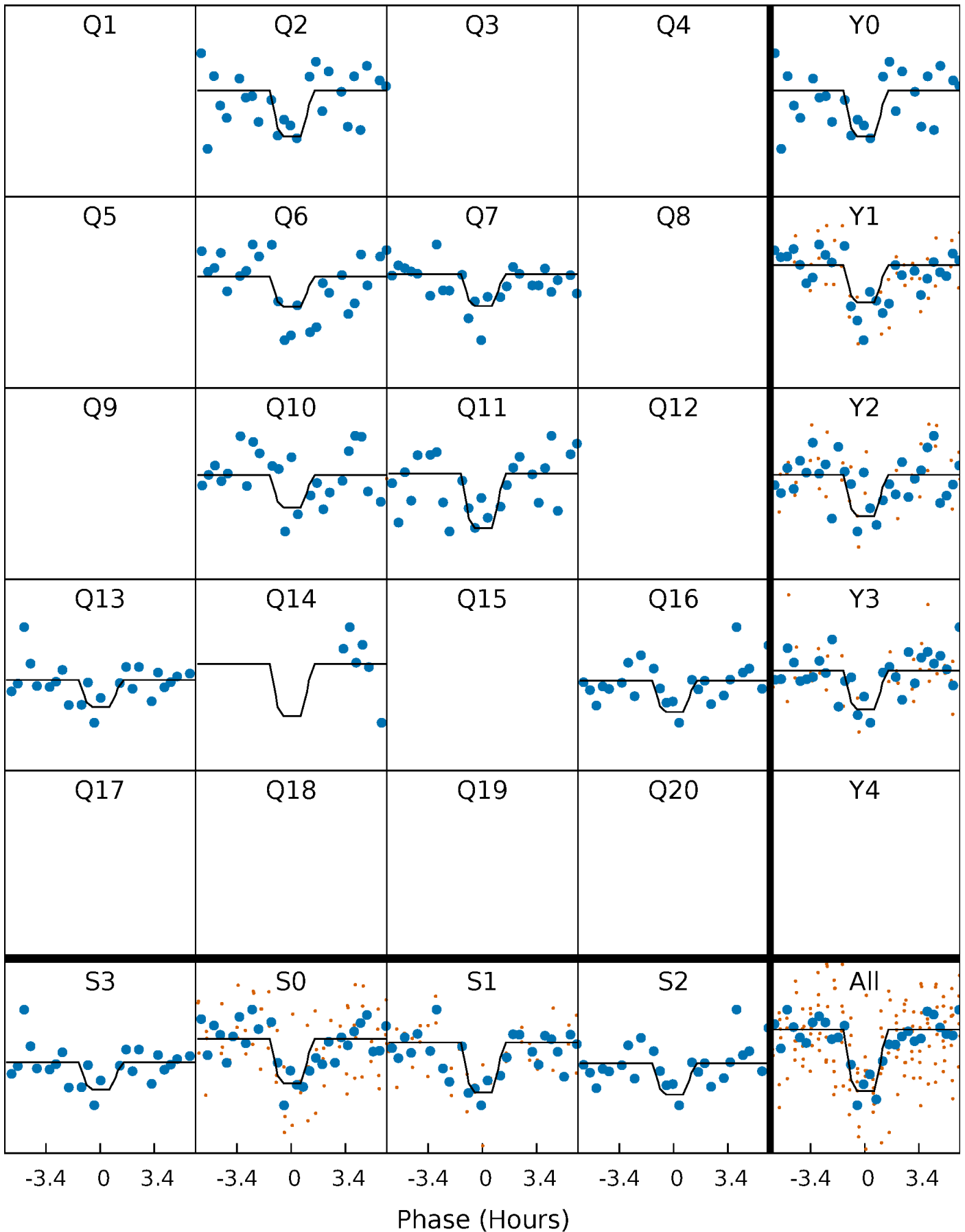
DV Quarter-Phased Transit Curves

TCE 005937733-01 P=118.862310 Days $T_0=183.322861$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

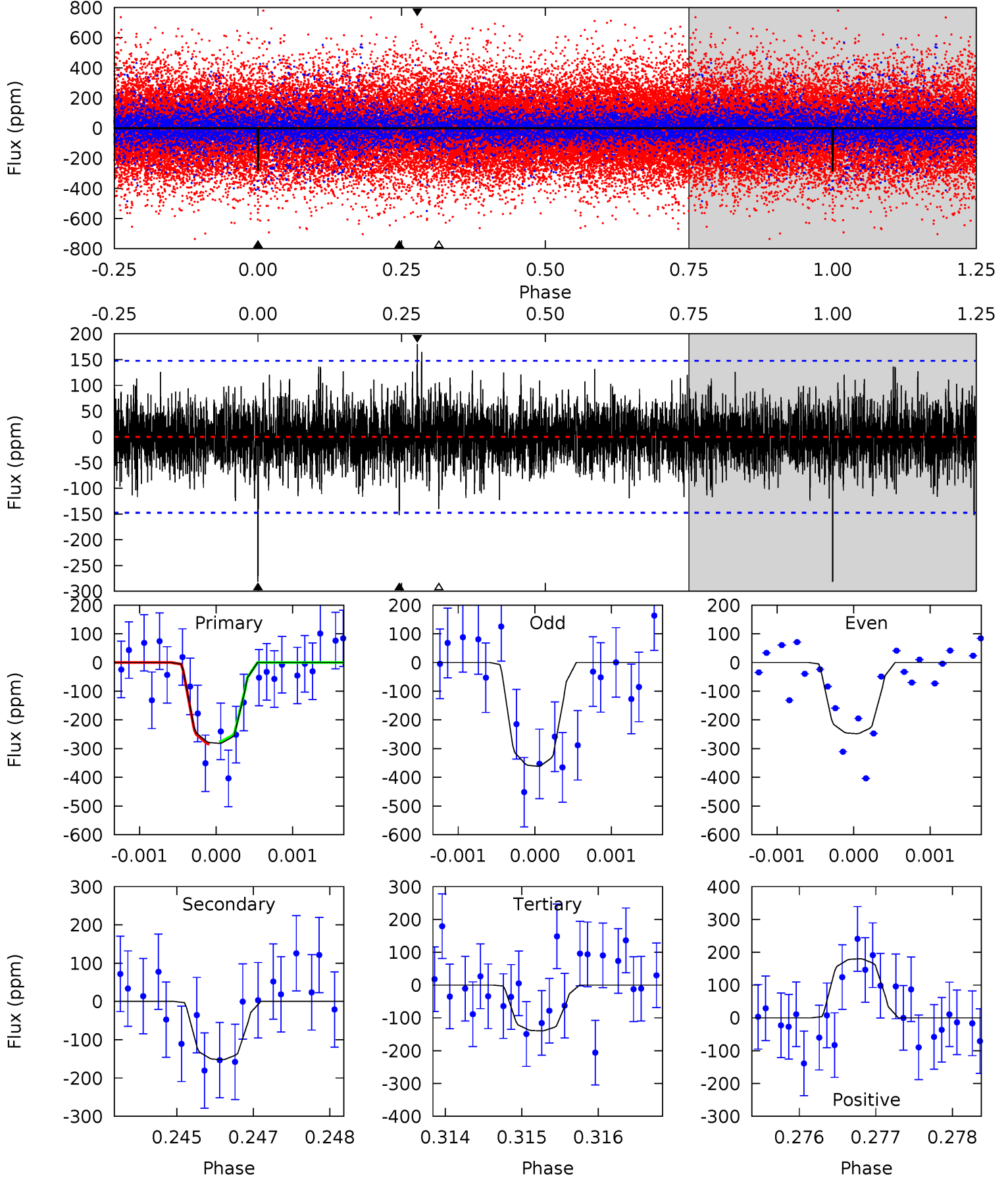
TCE 005937733-01 P=118.862022 Days $T_0=183.329629$ (BKJD)



DV Model-Shift Uniqueness Test

005937733-01, P = 118.862310 Days, E = 183.322861 Days

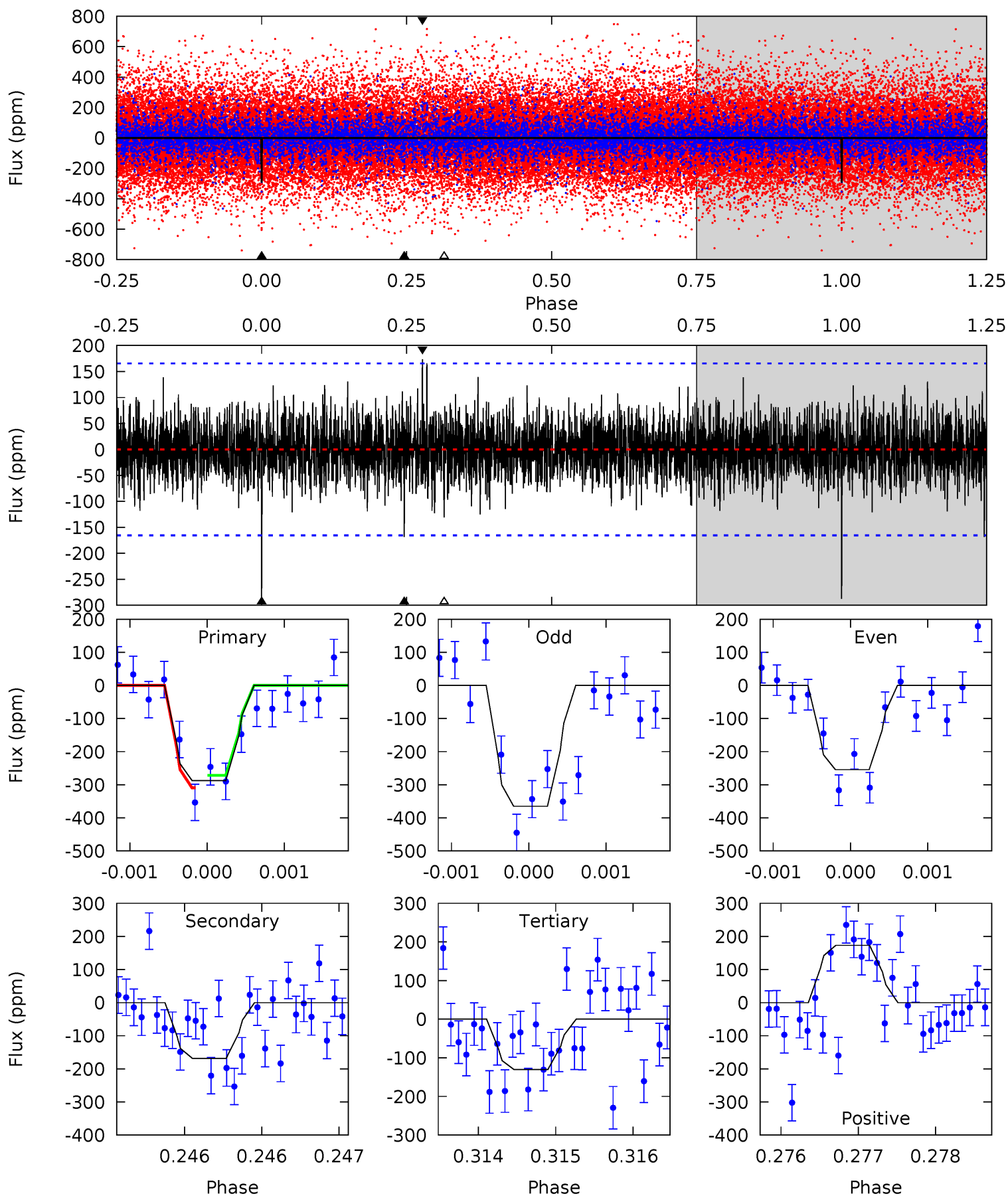
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.4	5.61	5.16	6.66	5.45	3.28	1.40	5.24	3.74	0.45	-1.05	1.93	1.14	0.39	0.16



Alt Model-Shift Uniqueness Test

005937733-01, P = 118.862022 Days, E = 183.329629 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.51	5.57	4.32	5.73	5.48	3.33	1.25	5.19	3.78	1.25	-0.15	1.65	1.23	0.38	0.61



Stellar Parameters For KIC 005937733

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5749^{+154}_{-154}	$4.278^{+0.220}_{-0.180}$	$-0.140^{+0.300}_{-0.300}$	$1.143^{+0.329}_{-0.269}$	$0.904^{+0.134}_{-0.082}$	$0.853^{+0.987}_{-0.427}$
	+3%/-3%	+5%/-4%	+214%/-214%	+29%/-24%	+15%/-9%	+116%/-50%
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 005937733-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-152 ± 27	$2.67^{+1.90}_{-1.59}$	559^{+44}_{-43}	4487^{+2493}_{-769}	2521^{+13223}_{-1697}
Alt.	-168 ± 30	$2.60^{+2.15}_{-1.60}$	555^{+44}_{-41}	4637^{+2648}_{-910}	2824^{+15687}_{-1989}

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

