

KIC 012062660

Q1-17 DR25 TCE Parameters

TCE	Run Type	KOI?	Period (Days)	Epoch (BKJD)	Depth (ppm)	Duration (Hours)	MES	SNR	R_{\star} (R_{\odot})	T_{\star} (K)	R_p (R_{\oplus})	S_p (S_{\oplus})
012062660-01	OBS	3746.01	2.929297	133.718128	81936.4	6.793	603.6	453.0	1.00	5780	43.46	622.66
012062660-02	OBS	No	2.929314	132.246474	3524.3	5.300	26.1	29.2	1.00	5780	7.39	622.66
012062660-03	OBS	No	89.655875	210.081849	6288.9	12.340	8.4	5.3	1.00	5780	13.76	6.50

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
012062660-01	OBS	FP	0.00	0	1	0	0	SWEET_EB—MOD_SEC_DV—MOD_SEC_ALT—DEEP_V_SHAPED—HAS_SEC_TCE—CENT_KIC_POS
012062660-02	OBS	FP	0.00	1	1	0	0	IS_SEC_TCE—CENT_KIC_POS
012062660-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_POS_ALT—CENT_FEW_DIFFS

Notes: OBS = Observed. INJ = Injected. INV = Inverted. SCR = Scrambled.

N = Not Transit-Like. S = Stellar Eclipse. C = Centroid Offset. E = Ephemeris Match.

See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

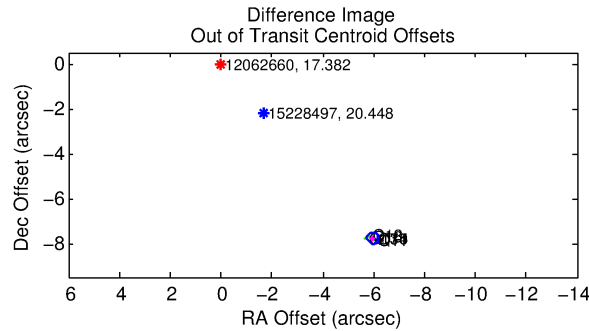
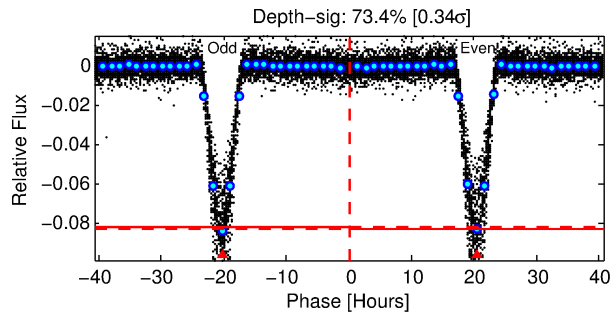
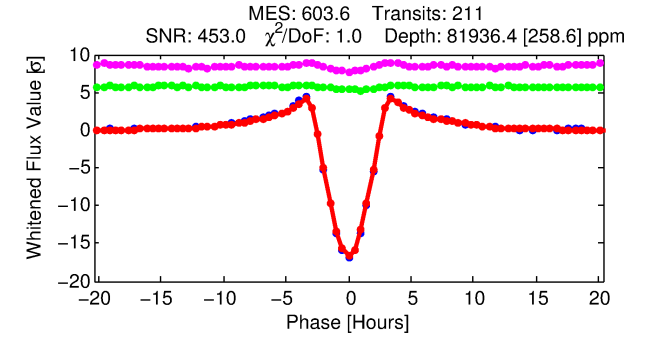
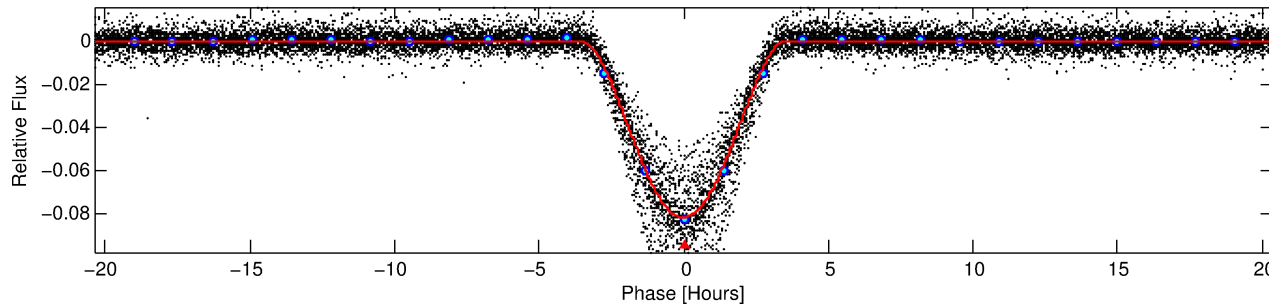
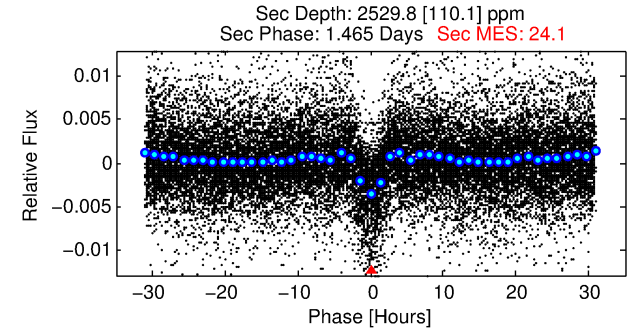
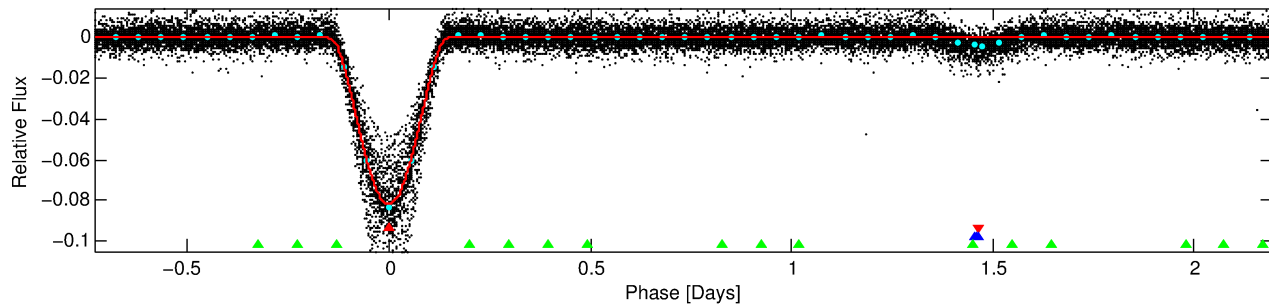
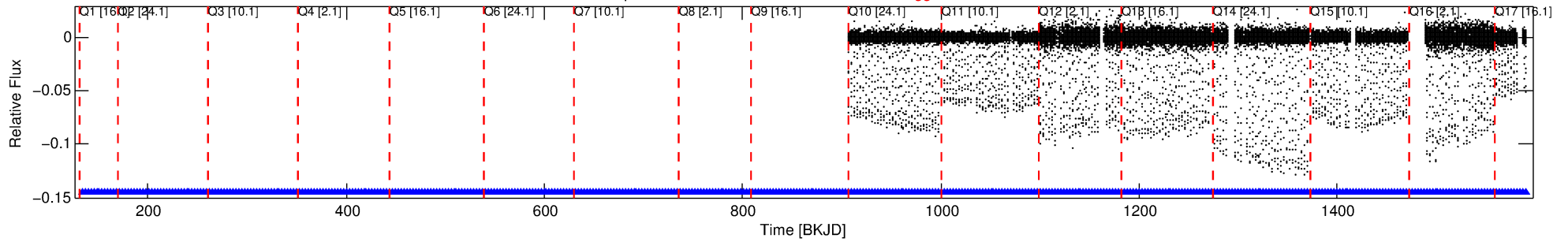
Ephemeris Match Information For 012062660-01

No Significant Match Found

DV One-Page Summary

KIC: 12062660 Candidate: 1 of 3 Period: 2.929 d
KOI: K03746.01 Corr: 0.994

Kp: 17.38 R*: 1.00 Rs Teff: 5780.0 K Logg: 4.44 Fe/H: 0.000



DV Fit Results:

Period = 2.92930 [0.00000] d
Epoch = 133.7181 [0.0004] BKJD
Rp/R* = 0.3983 [0.0536]
a/R* = 3.61 [0.02]
b = 0.93 [0.08]
Seff = 622.66 [0.00]
Teq = 1274 [0] K
Rp = 43.46 [5.85] Re
a = 0.0401 [0.0000] AU
Ag = 1.18 [0.32] [0.57σ]
Teffp = 2054 [140] K [5.57σ]

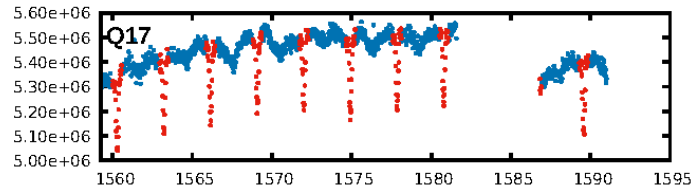
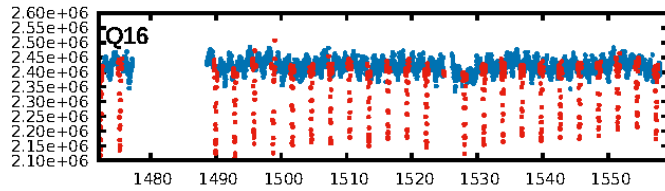
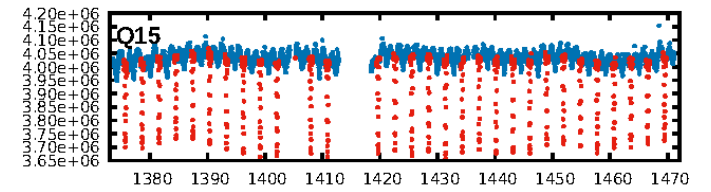
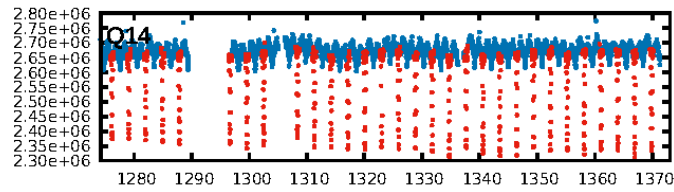
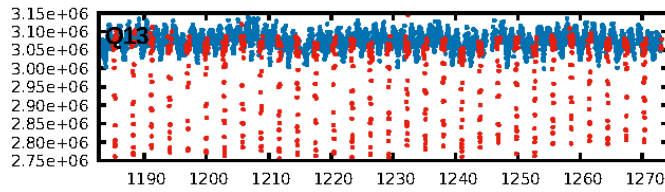
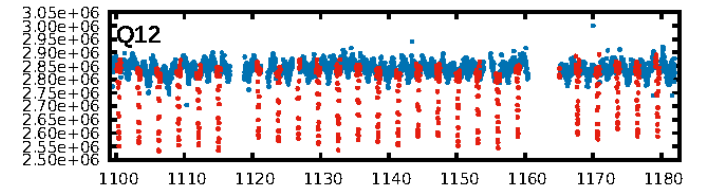
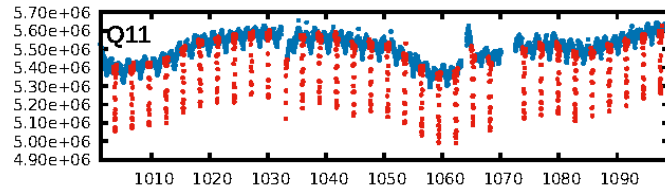
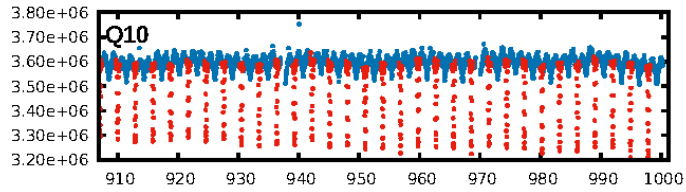
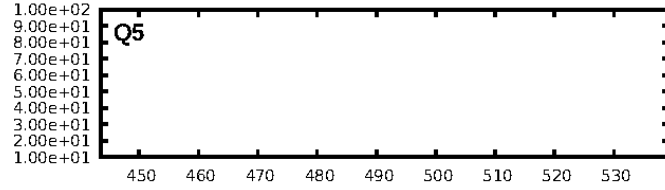
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 0.00e+00
RollingBand-fgt: 1.00 [202/202]
GhostDiagnostic-chr: 1.21
Centroid-sig: 0.0%
Centroid-so: 3.113 arcsec [2655.84σ]
OotOffset-rm: 9.798 arcsec [124.71σ]
KicOffset-rm: 2.870 arcsec [30.55σ]
OotOffset-st: 2/2/2/2 [8]
KicOffset-st: 2/2/2/2 [8]
DiffImageQuality-fgm: 1.00 [8/8]
DiffImageOverlap-fno: 1.00 [8/8]

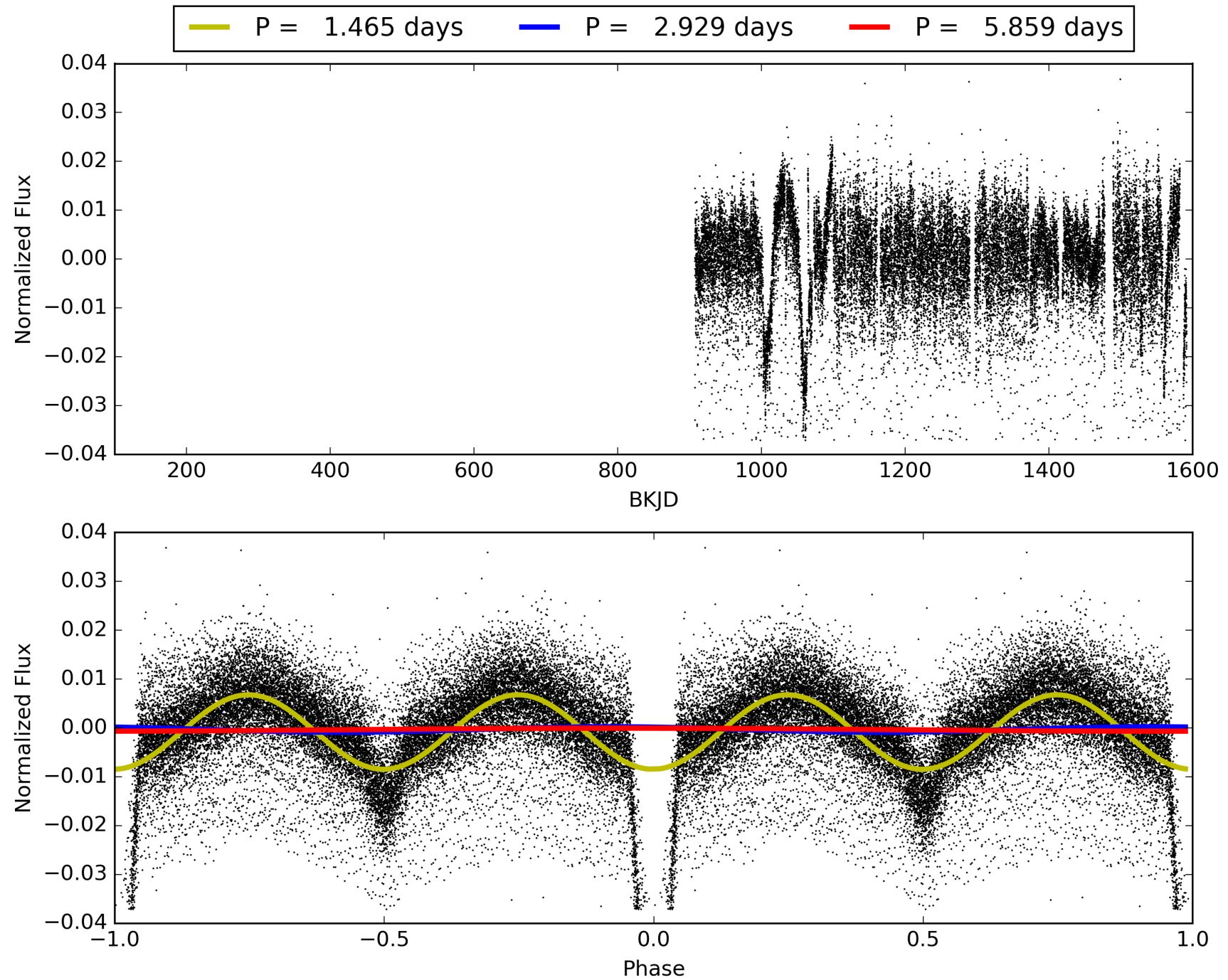
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This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 012062660-01, PDC Light Curves

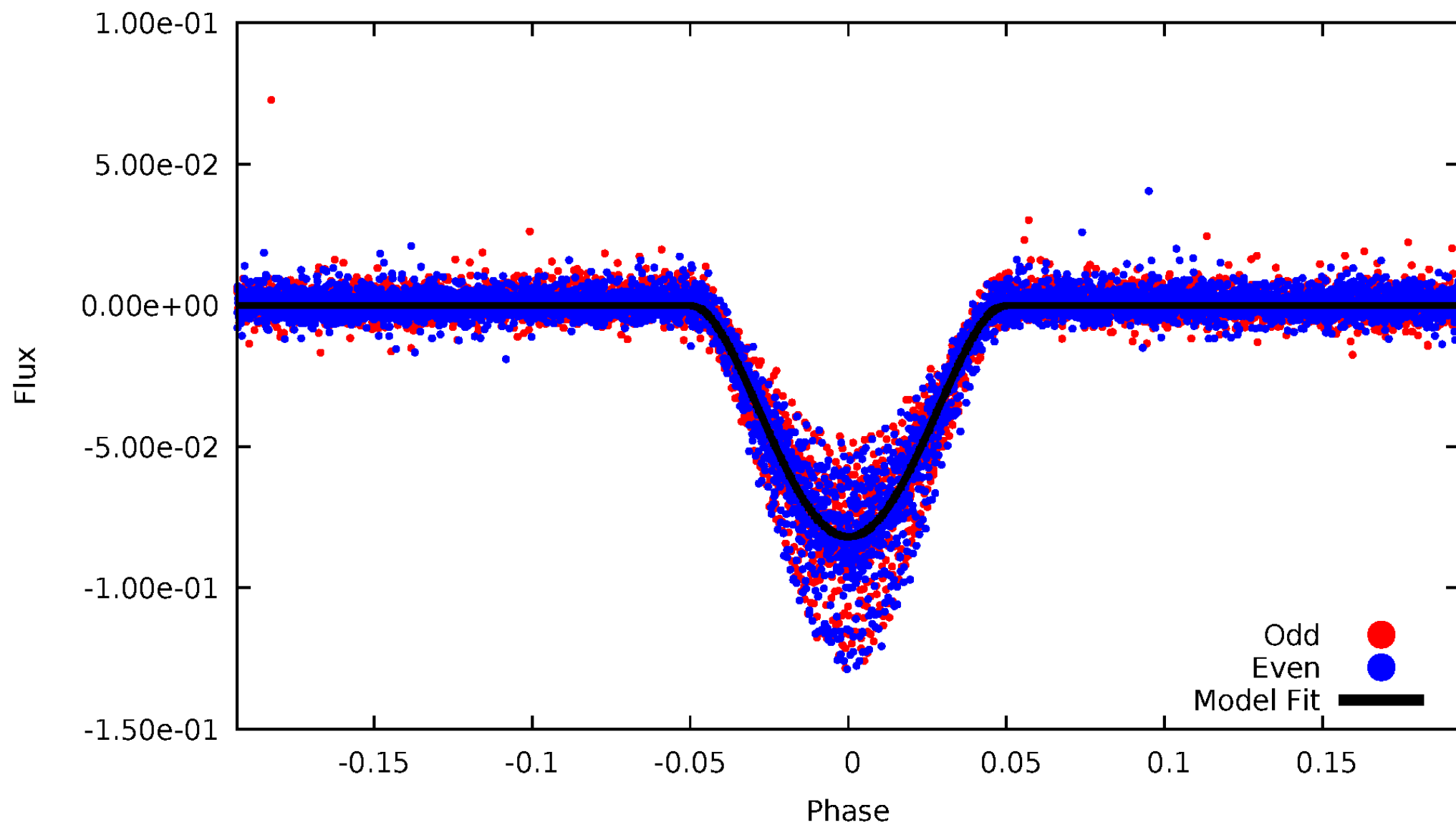


TCE 012062660-01



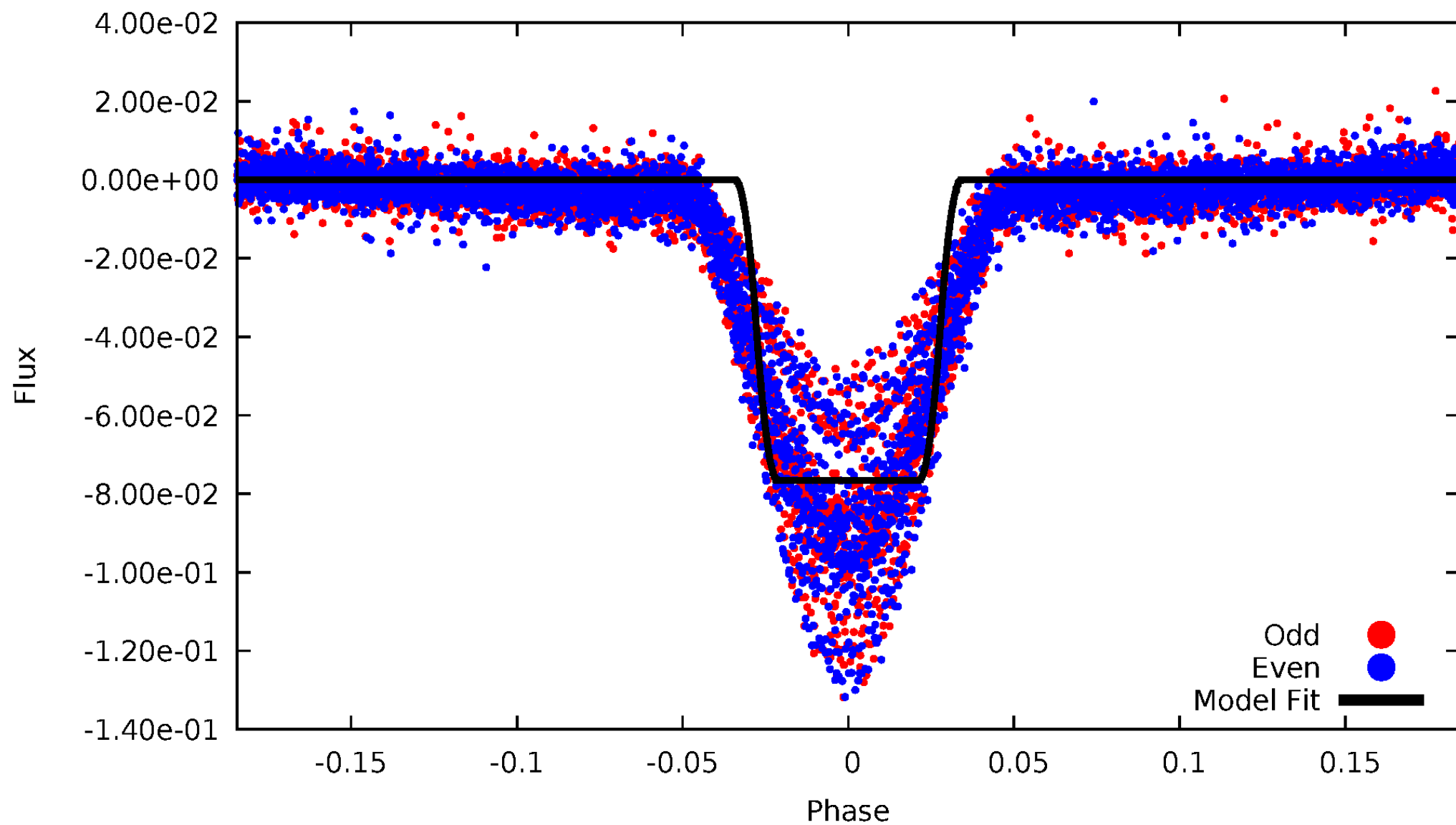
DV Odd/Even

TCE 012062660-01



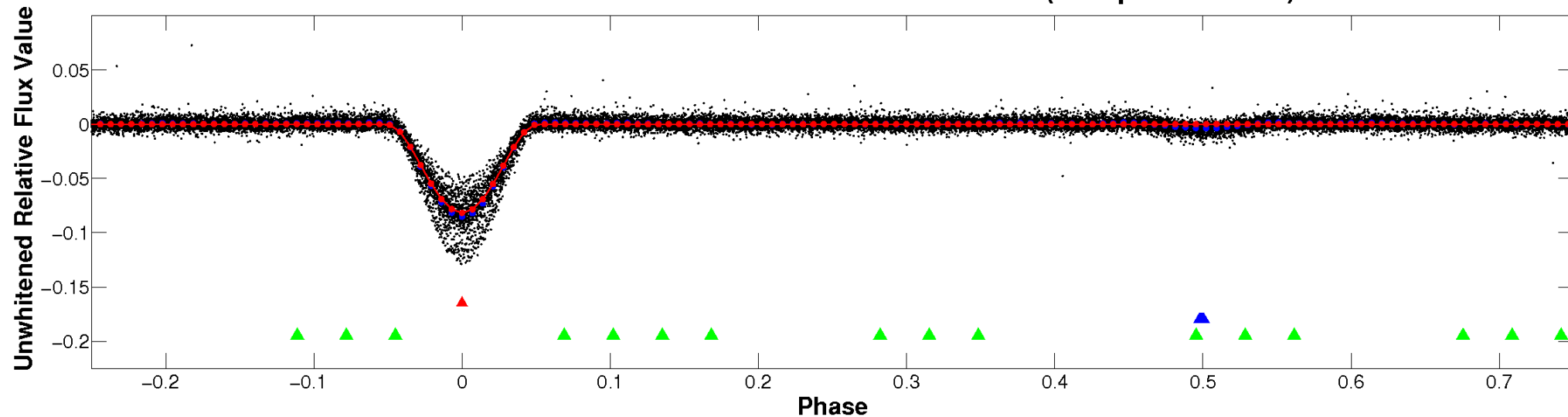
ALT Odd/Even

TCE 012062660-01

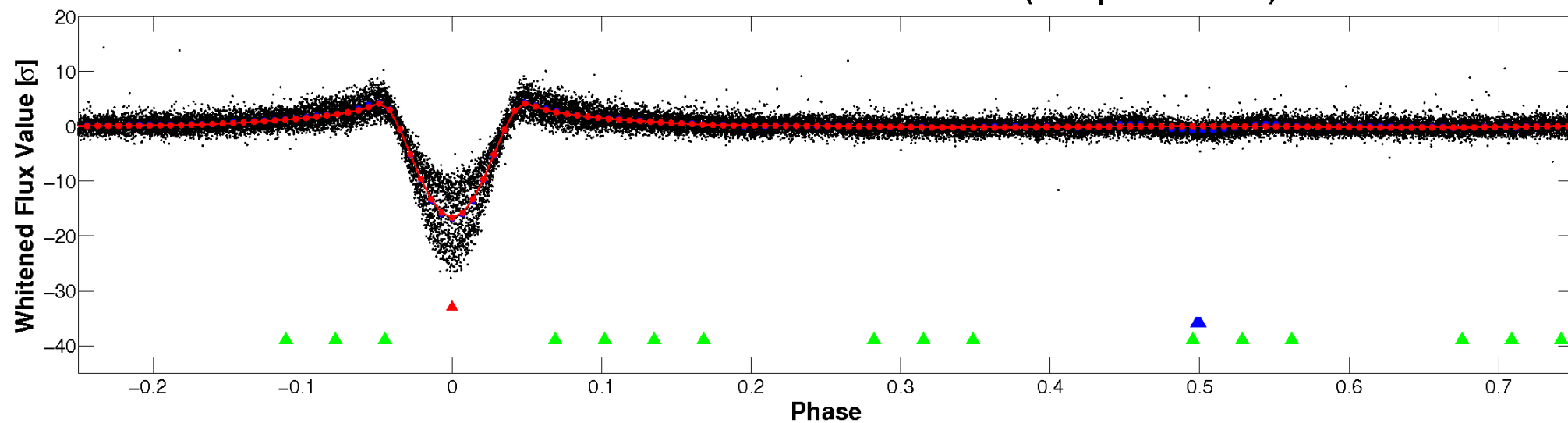


Non-Whitened Vs. Whitened Light Curve

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

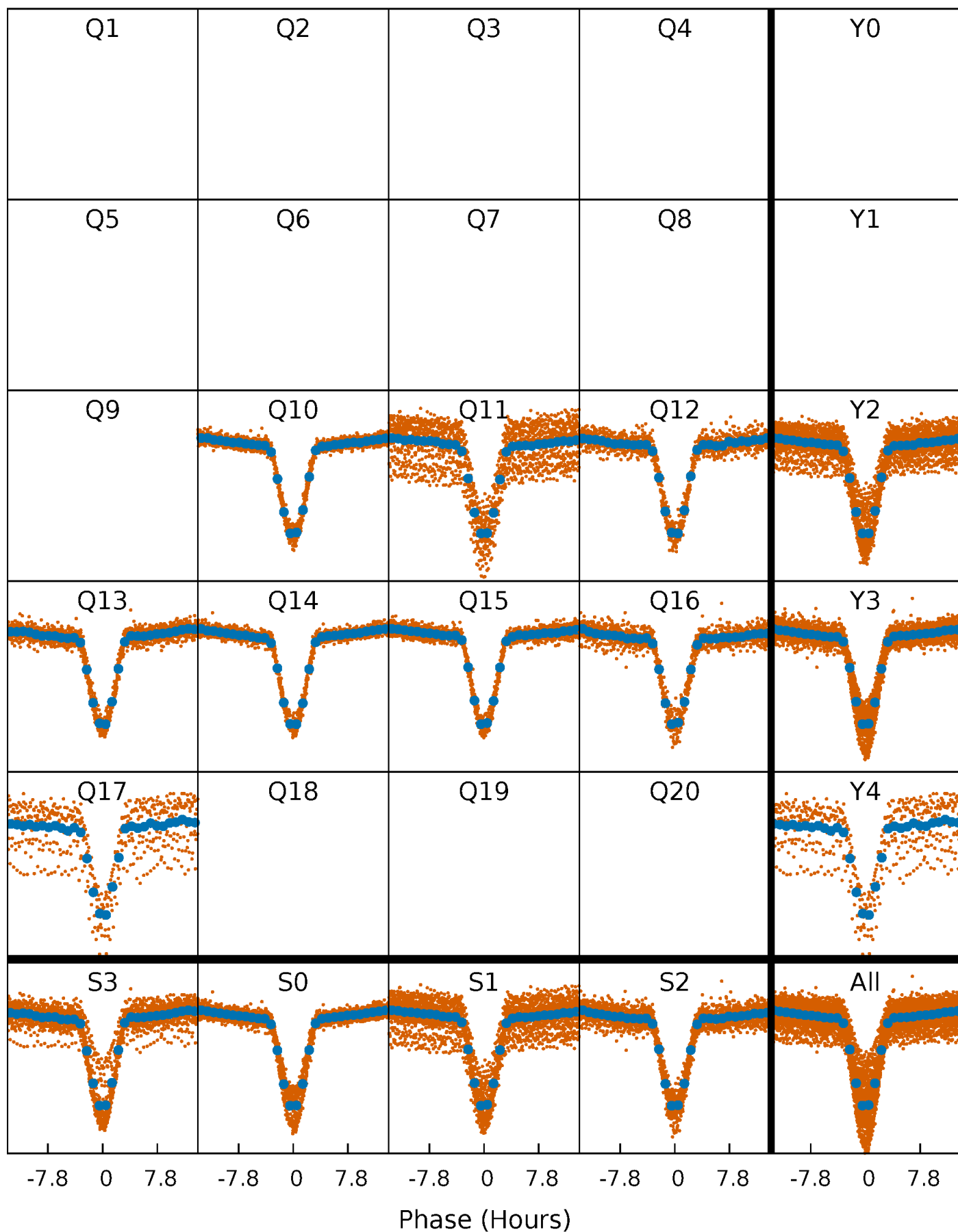


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



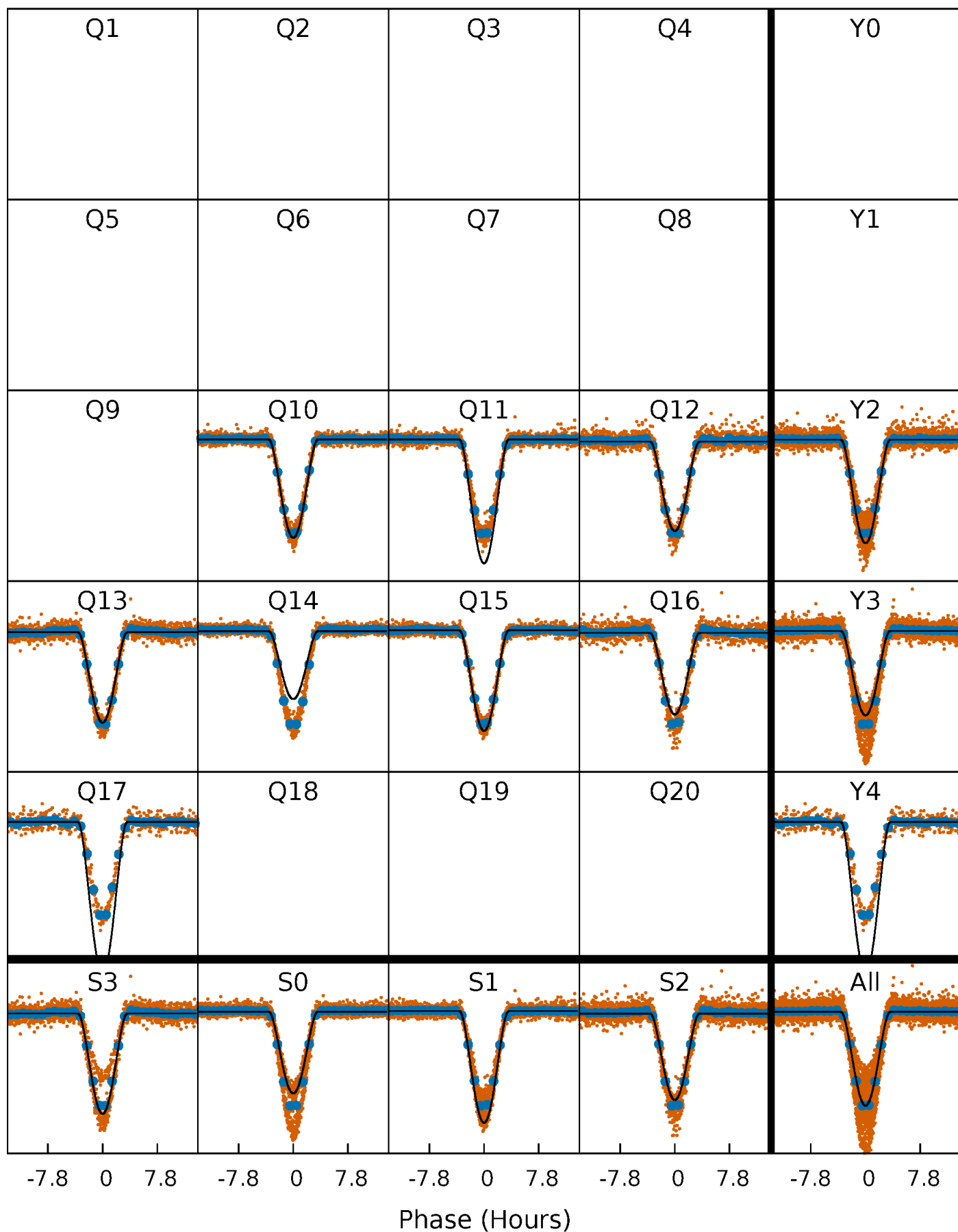
PDC Quarter-Phased Transit Curves

TCE 012062660-01 P= 2.929297 Days $T_0=133.718128$ (BKJD)



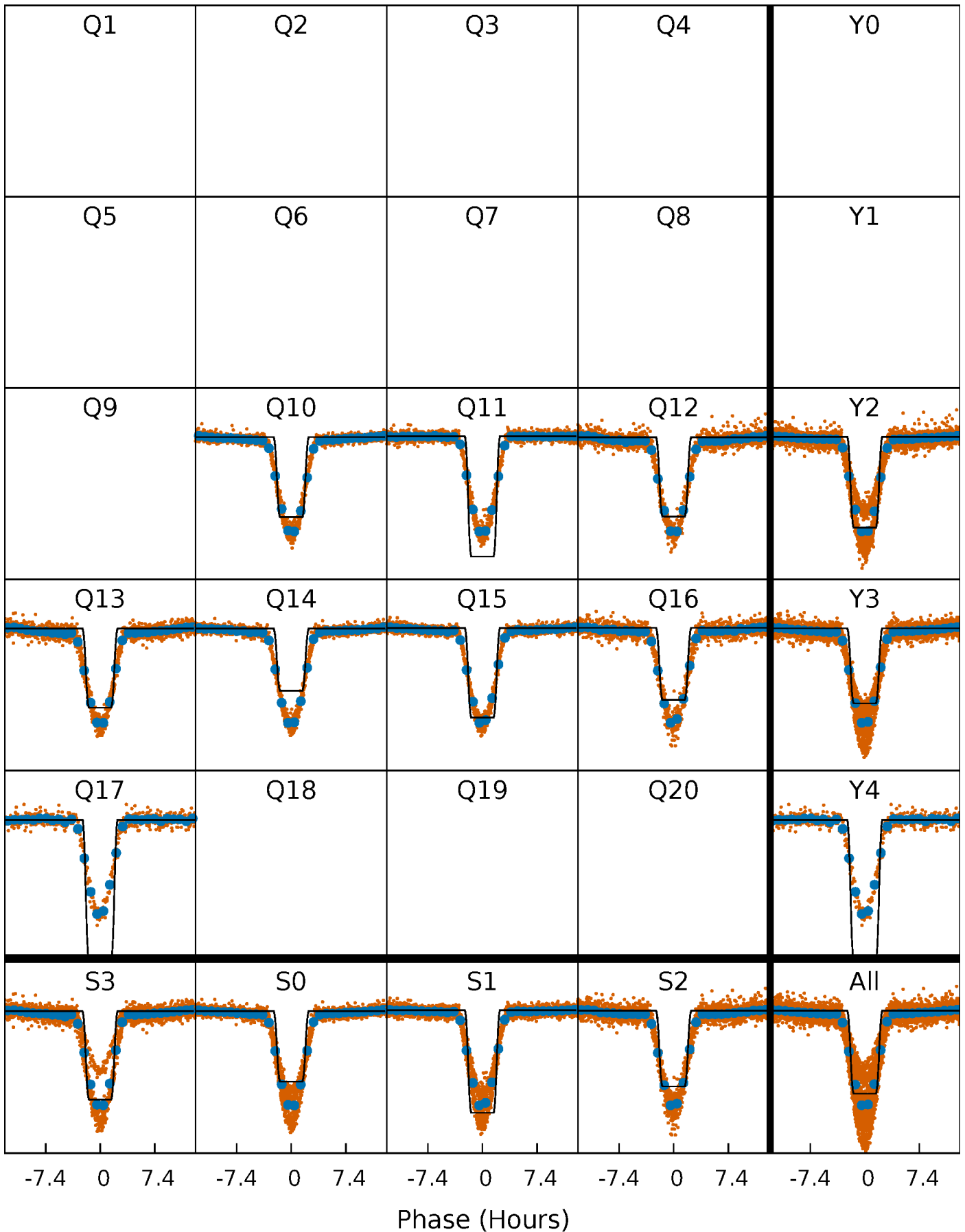
DV Quarter-Phased Transit Curves

TCE 012062660-01 P= 2.929297 Days $T_0=133.718128$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

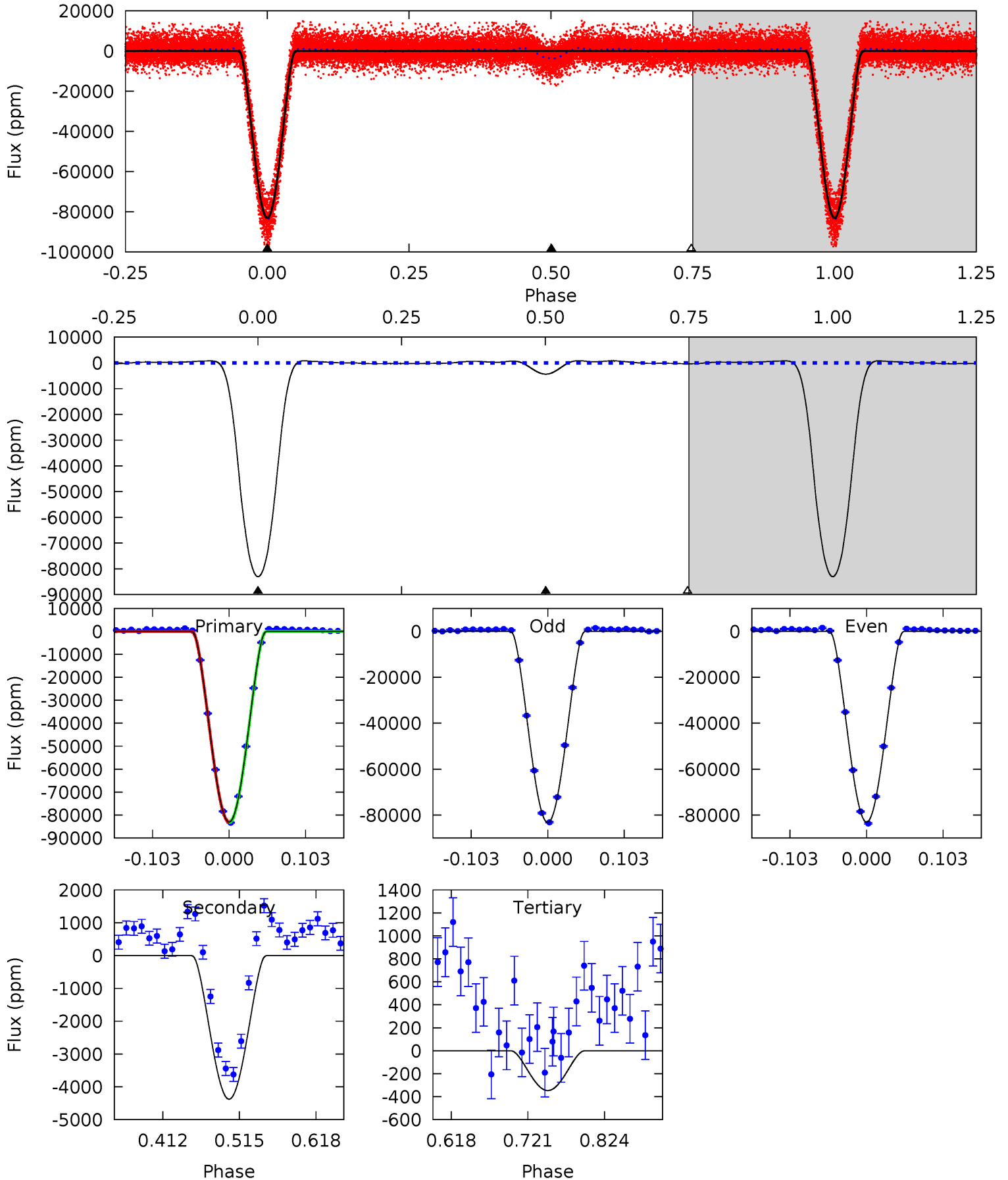
TCE 012062660-01 P= 2.929324 Days $T_0=133.708497$ (BKJD)



DV Model-Shift Uniqueness Test

012062660-01, P = 2.929297 Days, E = 133.718128 Days

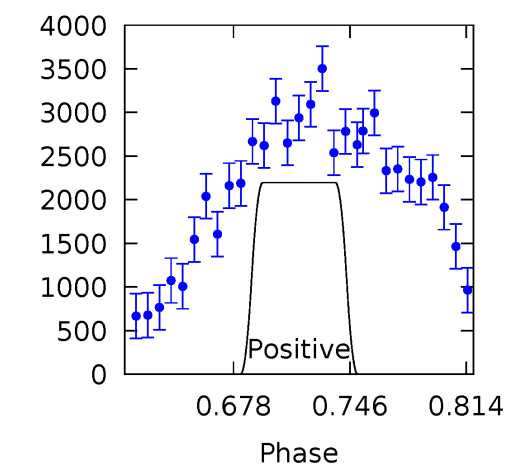
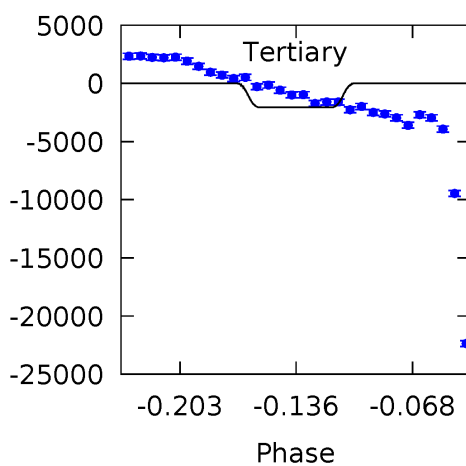
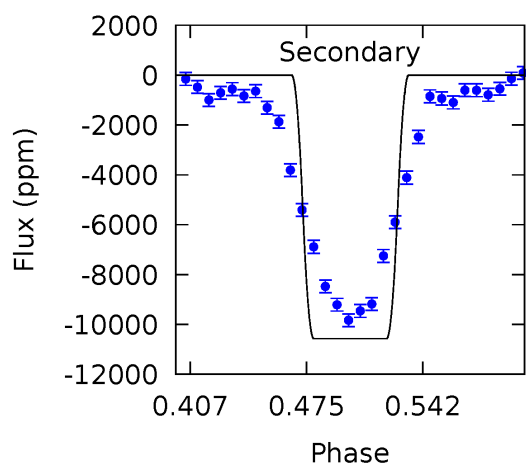
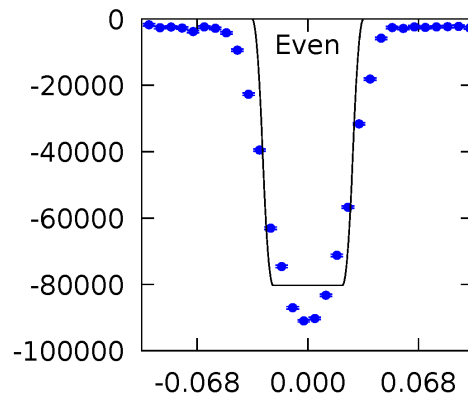
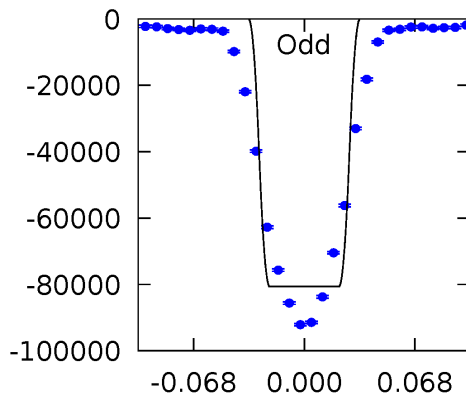
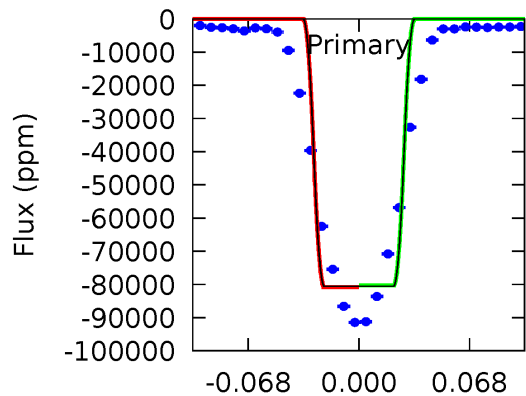
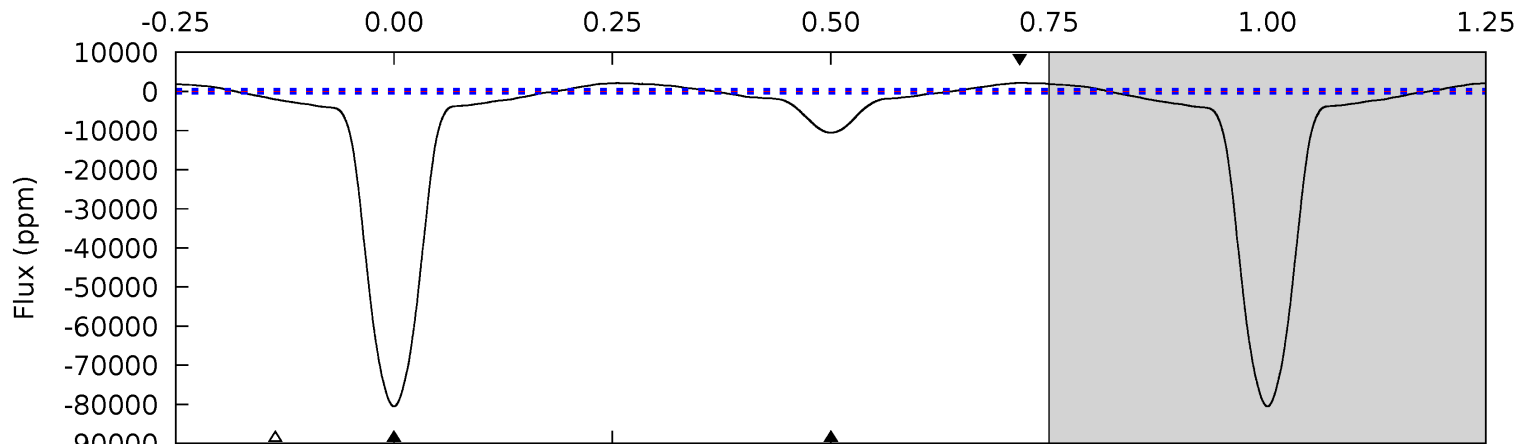
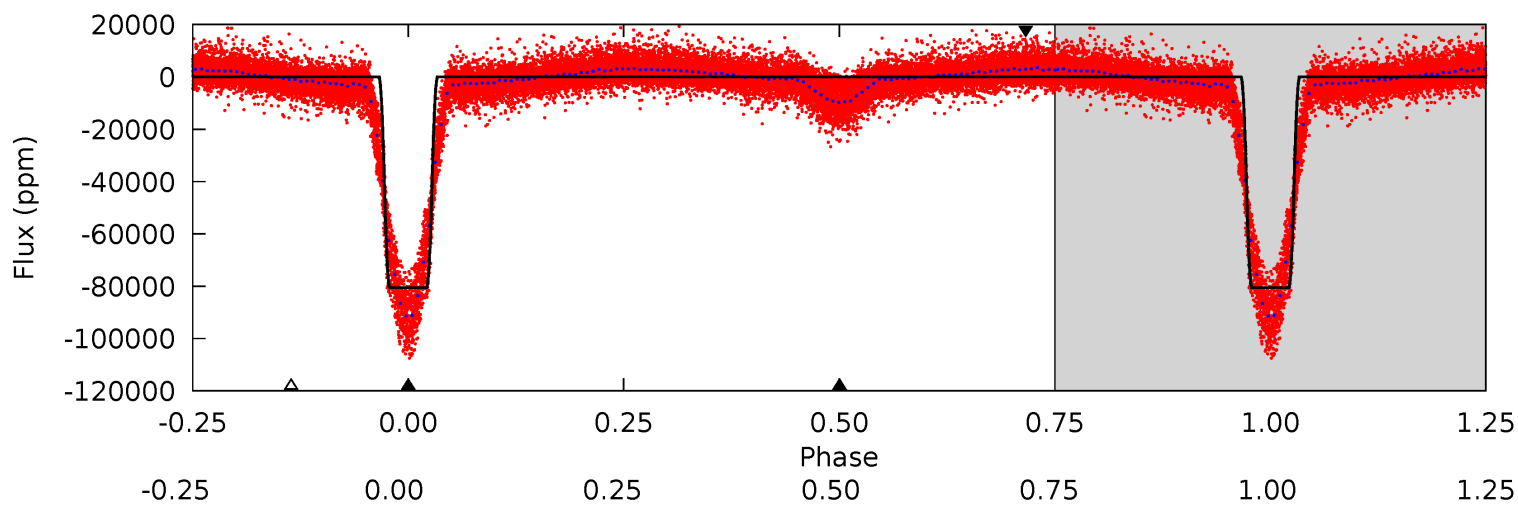
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
1146	60.4	4.79	0	4.56	1.63	4.33	1141	1146	55.6	60.4	1.40	1.02	0.01	1.34



Alt Model-Shift Uniqueness Test

012062660-01, P = 2.929324 Days, E = 133.708497 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
747.0	98.1	19.0	20.4	4.65	1.83	16.9	728.0	726.7	79.1	77.7	1.79	0.98	0.03	2.41



Stellar Parameters For KIC 012062660

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5780^{+1}_{-1}	$4.438^{+1.000}_{-1.000}$	$0.000^{+1.000}_{-1.000}$	$1.000^{+1.000}_{-1.000}$	$-1.000^{+1.000}_{-1.000}$	$-1.000^{+1.000}_{-1.000}$
	+0%/-0%	+23%/-23%	+inf%/-inf%	+100%/-100%	+100%/-100%	+100%/-100%
Source	Solar	Solar	Solar	Solar		

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

Secondary Eclipse Parameters for KIC 012062660-01 / KOI 3746.01

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-4378 ± 72	$43.33^{+7.07}_{-6.50}$	1778^{+85}_{-79}	2954^{+167}_{-131}	$2.078^{+0.780}_{-0.524}$
Alt.	-10575 ± 108	$30.29^{+5.93}_{-5.83}$	1781^{+91}_{-82}	3868^{+320}_{-251}	10^{+6}_{-3}

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

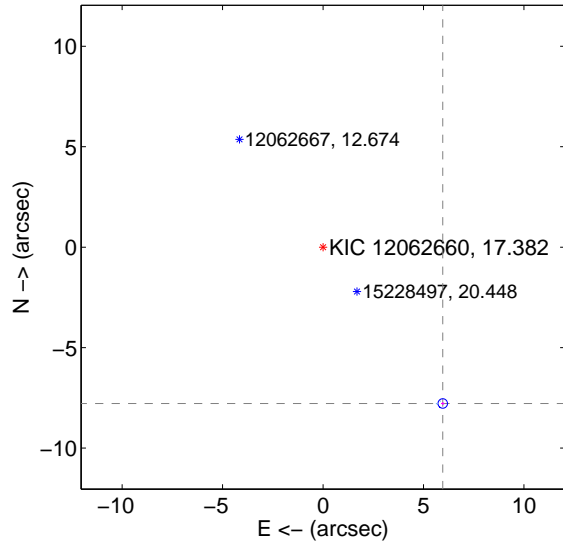
Supplemental centroid analysis for 012062660-01. Kepler magnitude: 17.38. Transit SNR 453.03

There are 8 quarters with good PRF difference image offsets

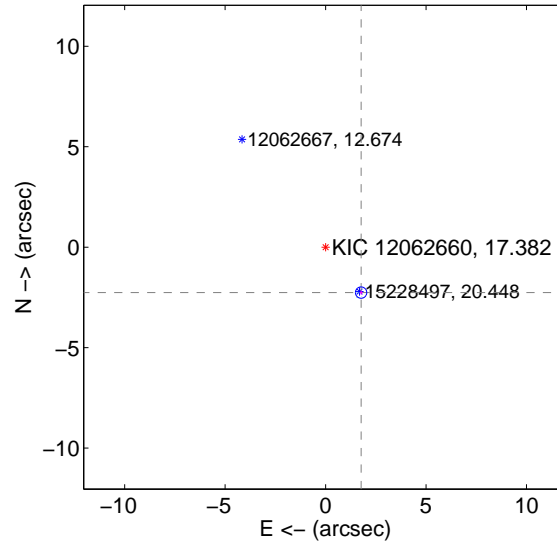
The OOT PRF centroid is offset from the target star catalog position by about 6.68 arcsec so the offset from difference PRF-fit to OOT-fit may be invalid.

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	9.798 ± 0.079	124.71	-5.958 ± 0.088	-7.778 ± 0.072
PRF-fit source offset from KIC position	2.870 ± 0.094	30.55	-1.768 ± 0.075	-2.261 ± 0.104
photometric centroid source offset	3.11 ± 0.00	2655.84	1.82 ± 0.00	2.52 ± 0.00

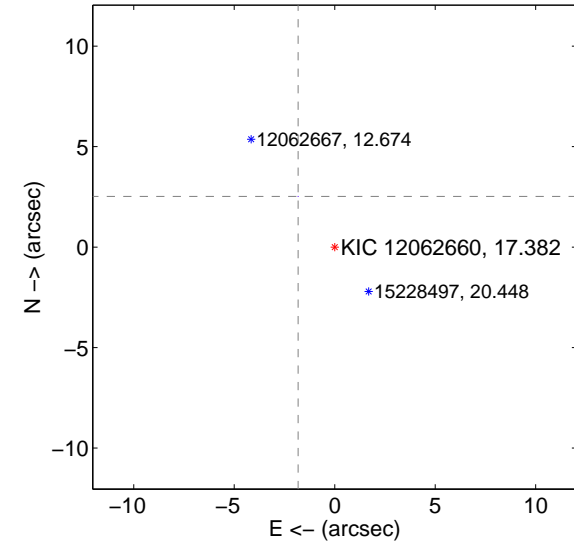
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position



offset from photometric centroids



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.

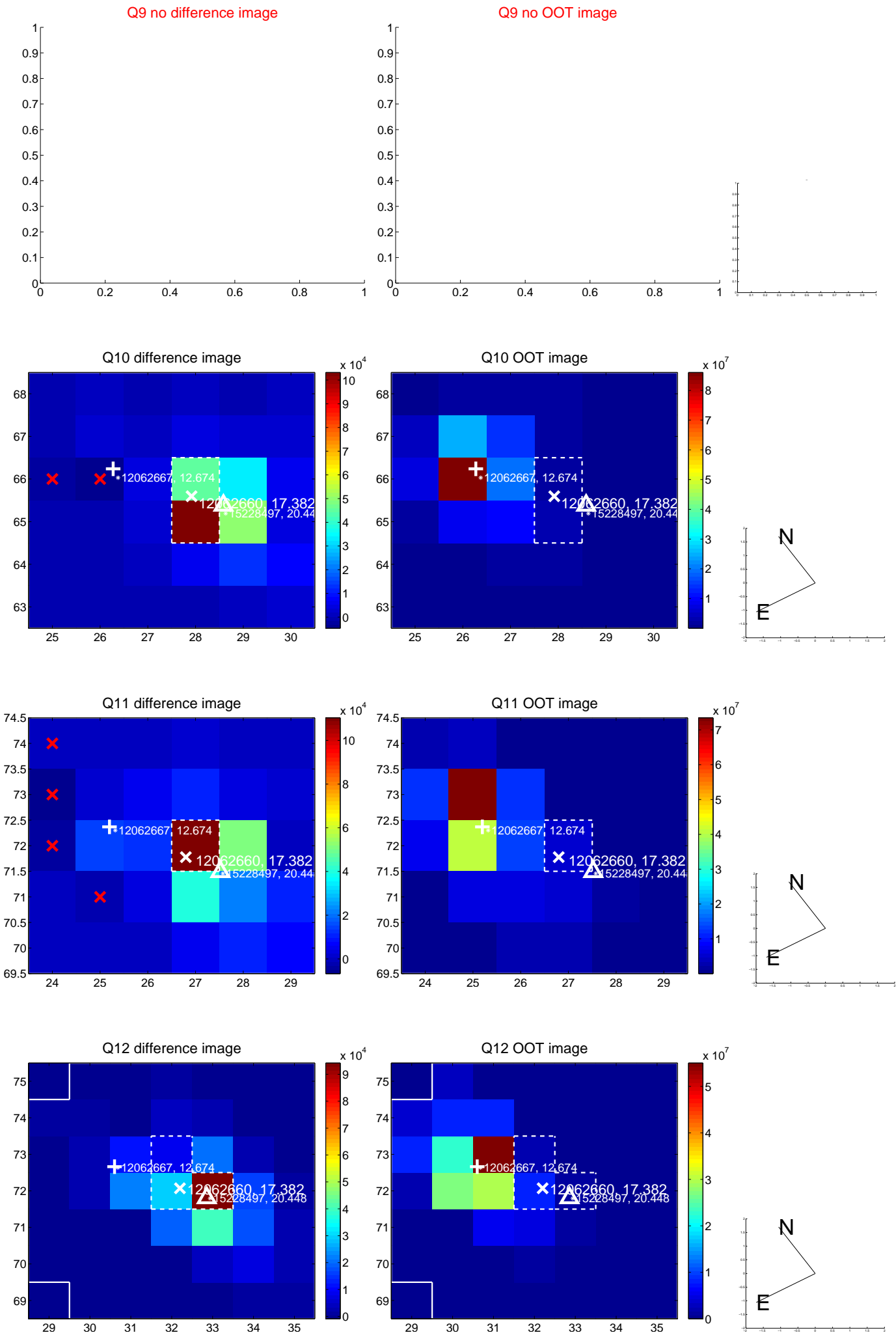
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



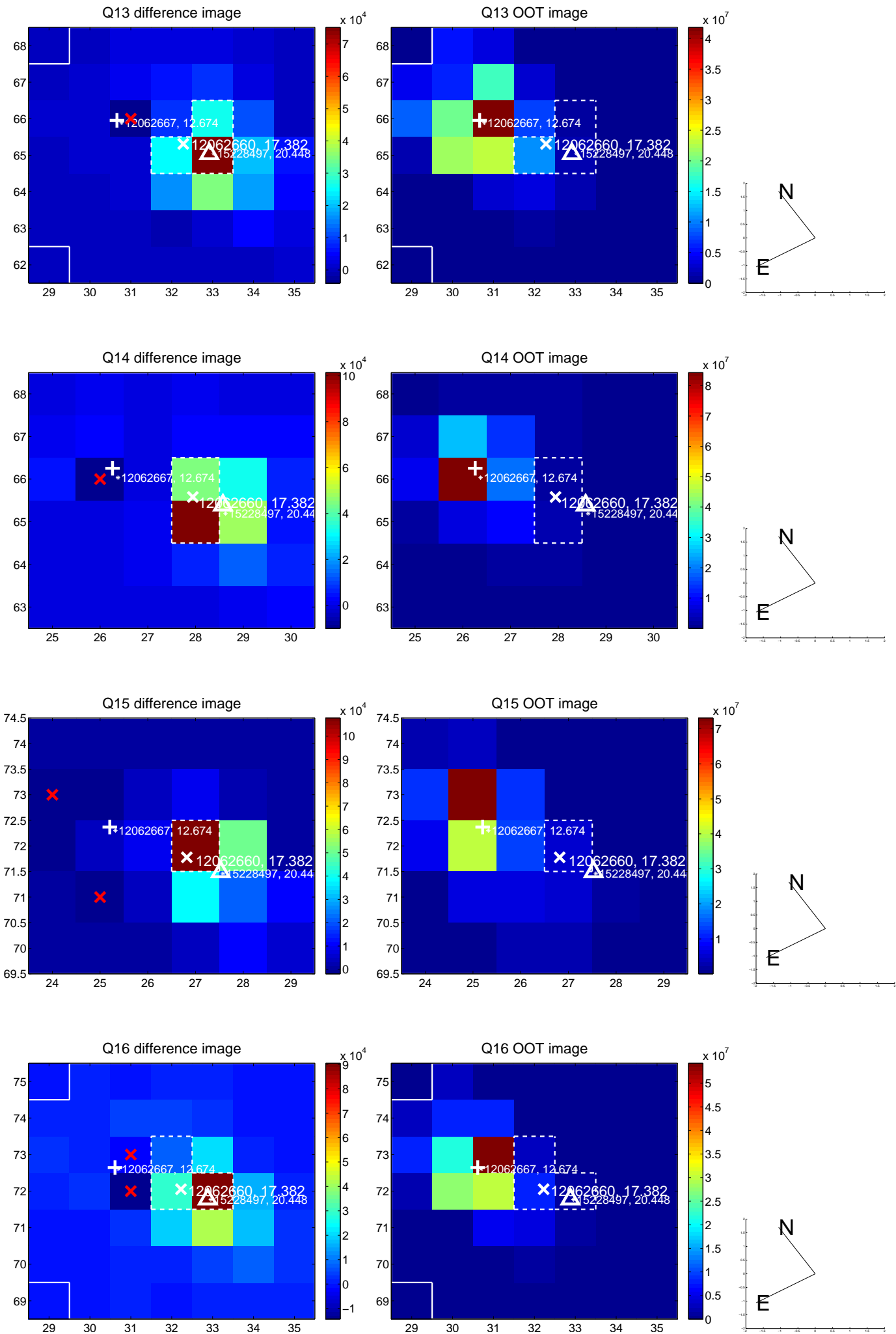
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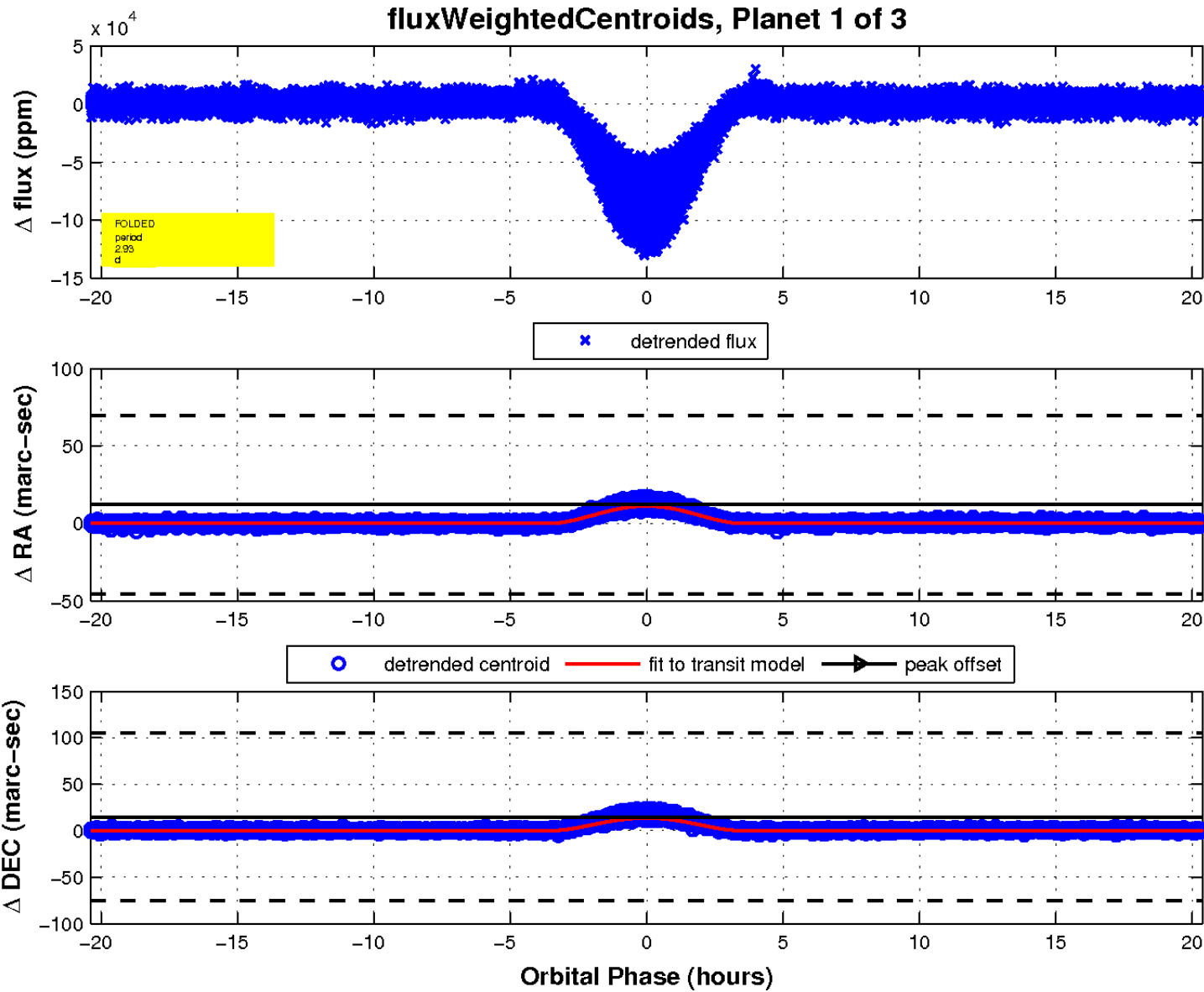
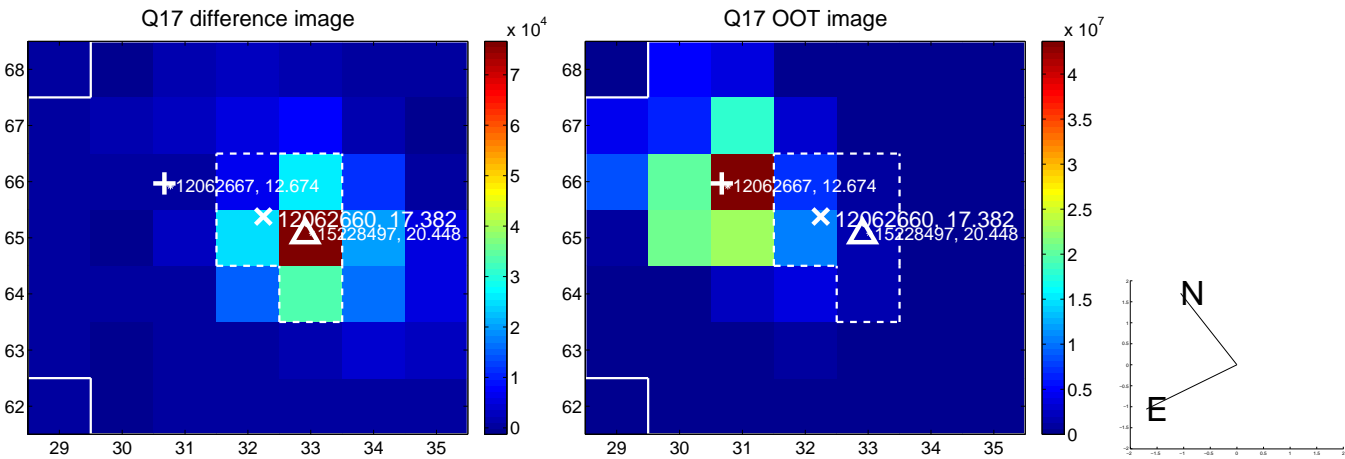
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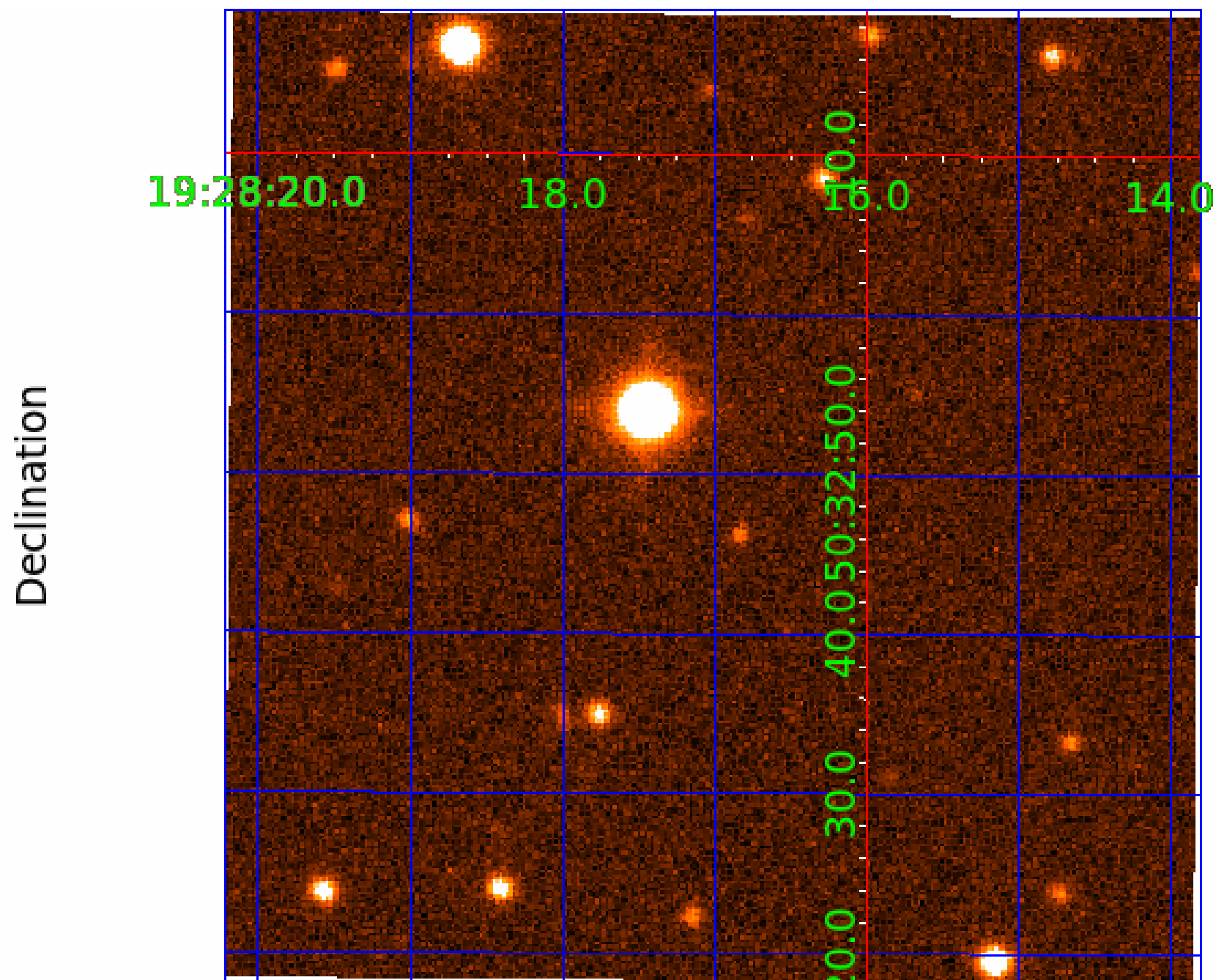
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UKIRT Image



KIC 012062660

Q1-17 DR25 TCE Parameters

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012062660-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_POS_ALT—CENT_FEW_DIFFS

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N = Not Transit-Like. S = Stellar Eclipse. C = Centroid Offset. E = Ephemeris Match.

See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 012062660-02

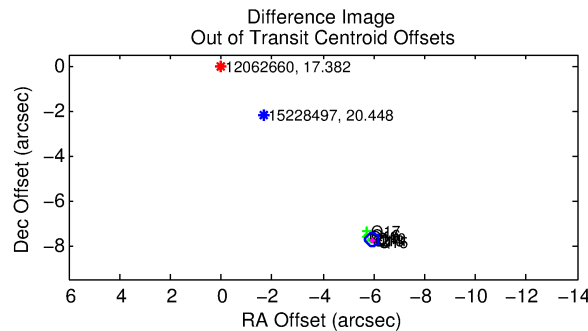
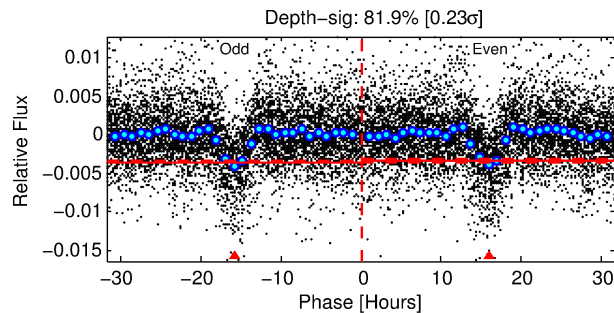
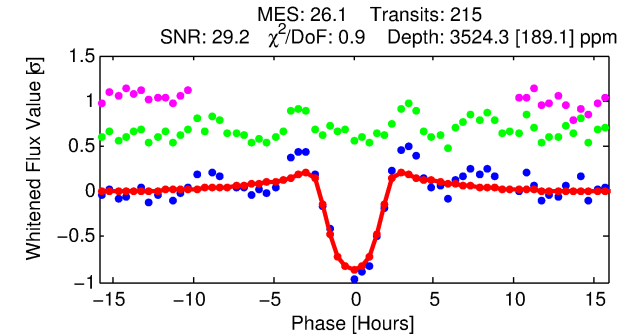
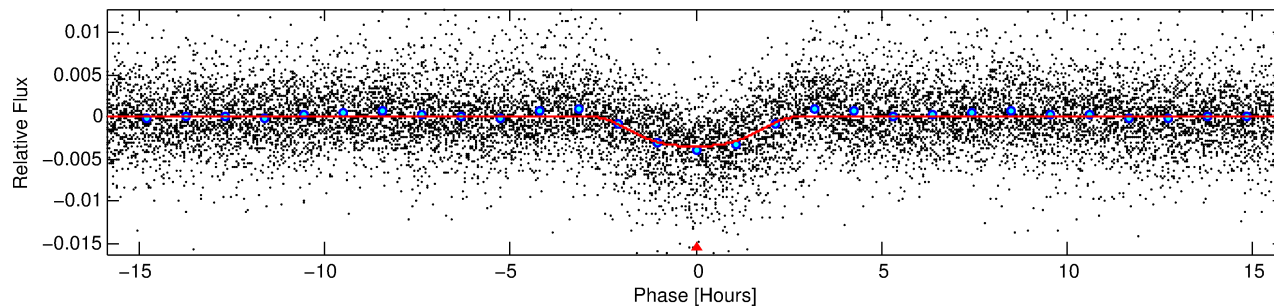
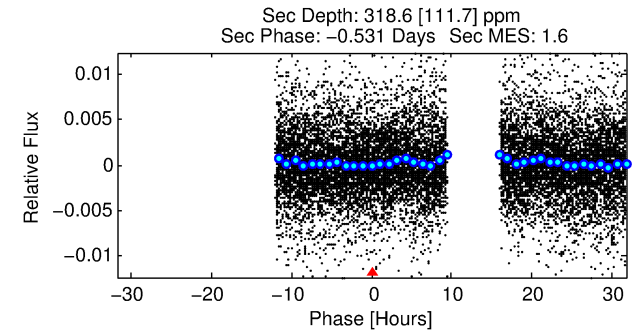
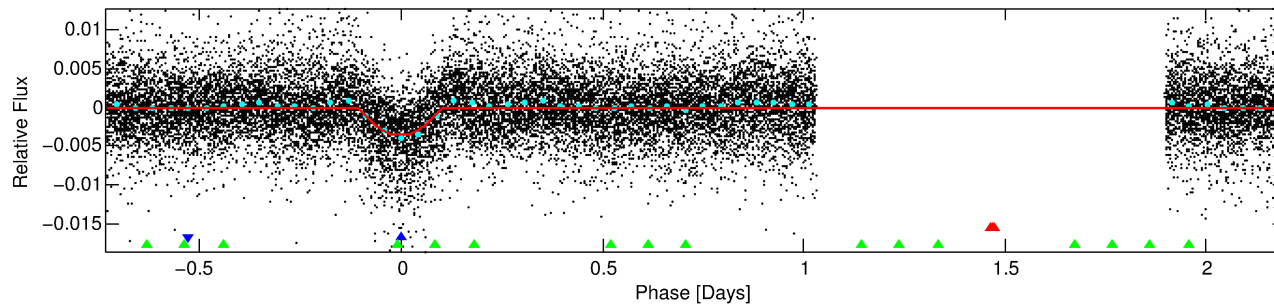
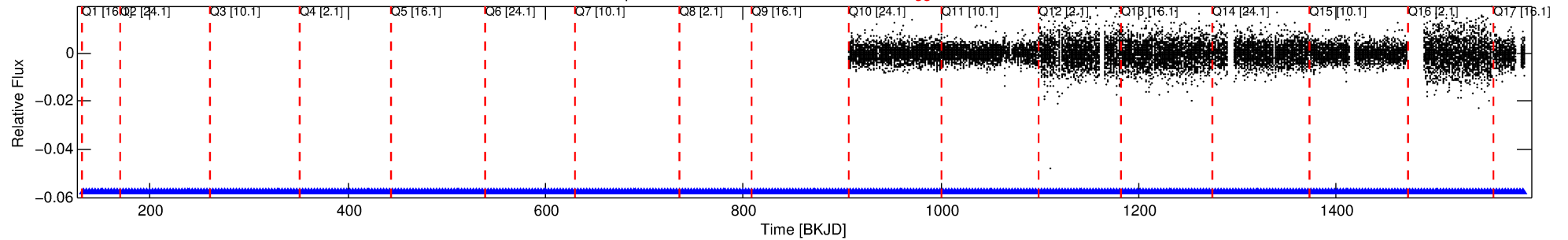
No Significant Match Found

DV One-Page Summary

KIC: 12062660 Candidate: 2 of 3 Period: 2.929 d

KOI: K03746 Corr: No Ephemeris Match

Kp: 17.38 R*: 1.00 Rs Teff: 5780.0 K Logg: 4.44 Fe/H: 0.000



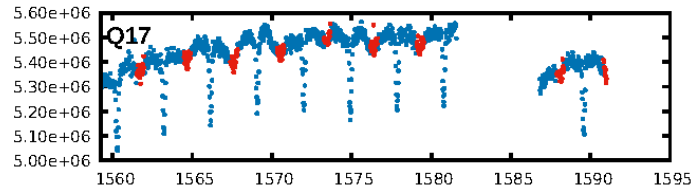
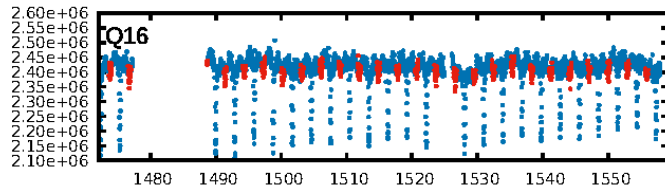
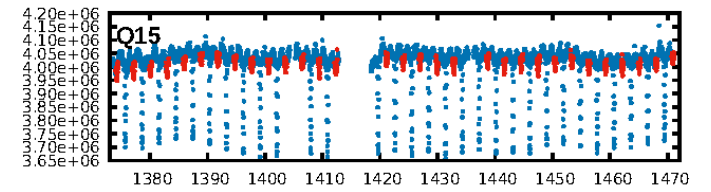
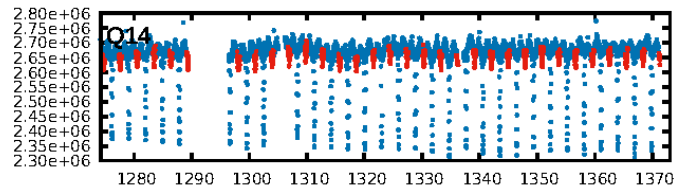
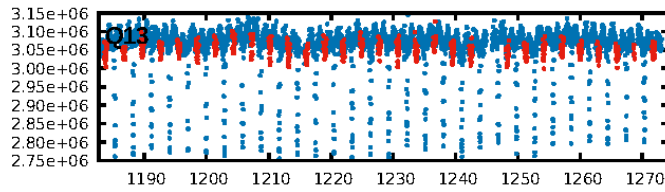
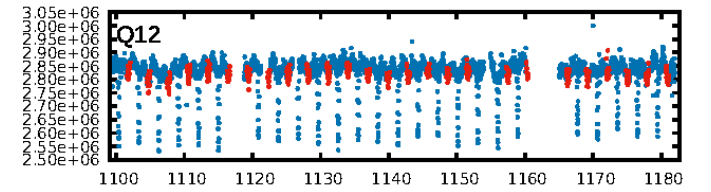
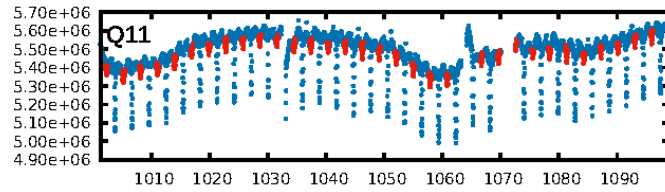
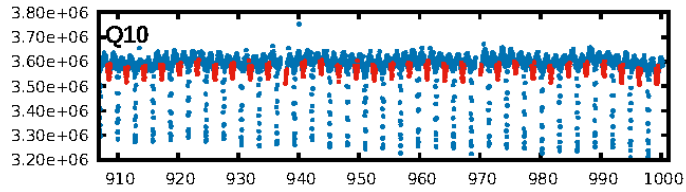
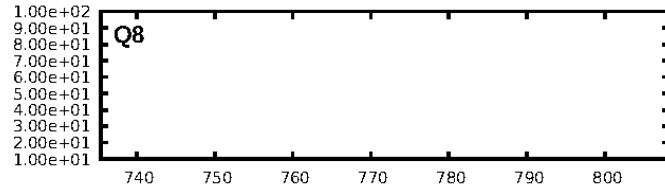
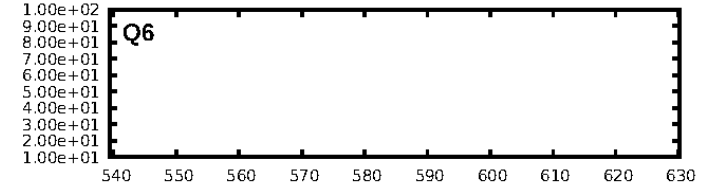
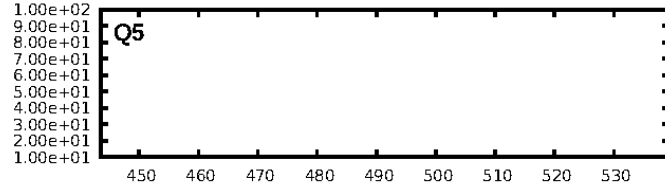
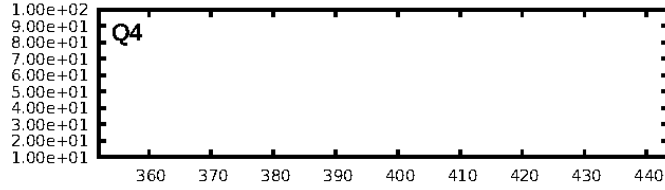
DV Fit Results:

Period = 2.92931 [0.00002] d
Epoch = 132.2465 [0.0047] BKJD
Rp/R* = 0.0677 [0.0029]
a/R* = 2.42 [0.15]
b = 0.93 [0.01]
Seff = 622.66 [0.00]
Teff = 1274 [0] K
Rp = 7.39 [0.32] Re
a = 0.0401 [0.0000] AU
Ag = 5.16 [1.86] [2.23σ]
Teffp = 2968 [268] K [6.32σ]

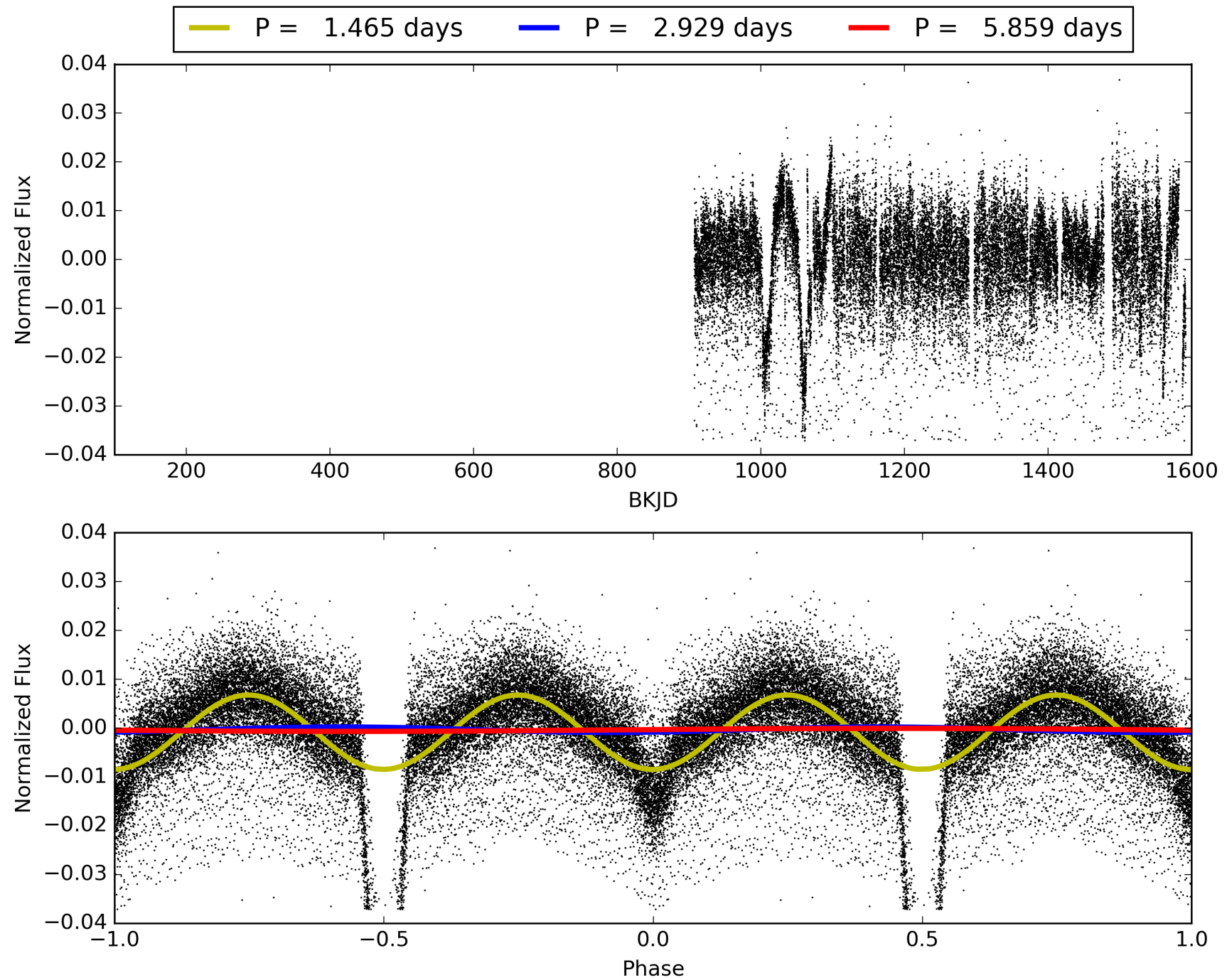
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 100.0% [154.98σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.18e-126
RollingBand-fgt: 1.00 [206/206]
GhostDiagnostic-chr: 1.23
Centroid-sig: 0.0%
Centroid-so: 2.978 arcsec [118.70σ]
OotOffset-rm: 9.759 arcsec [104.59σ]
KicOffset-rm: 2.825 arcsec [27.32σ]
OotOffset-st: 2/2/2/2 [8]
KicOffset-st: 2/2/2/2 [8]
DiffImageQuality-fgm: 1.00 [8/8]
DiffImageOverlap-fno: 1.00 [8/8]

TCE 012062660-02, PDC Light Curves

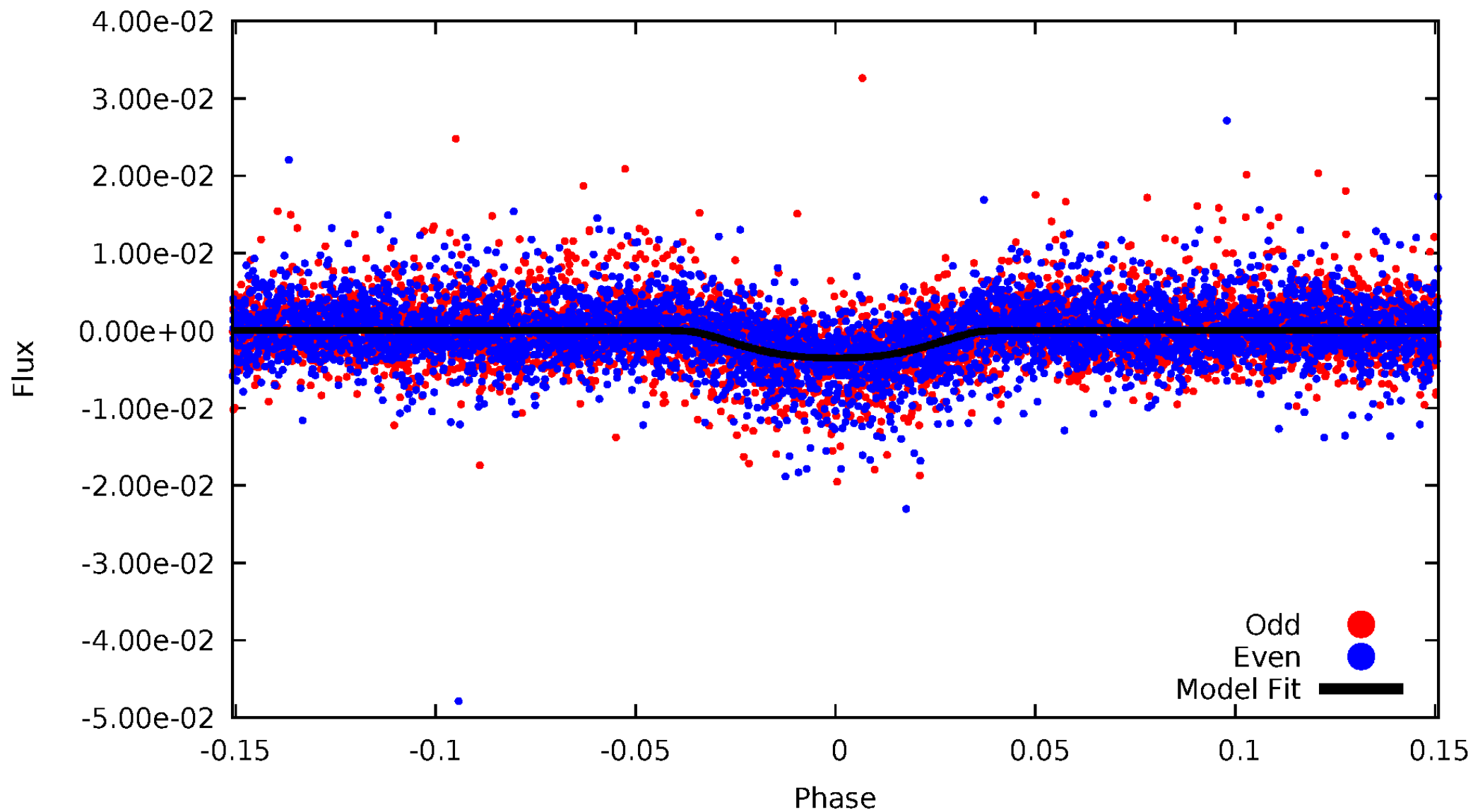


TCE 012062660-02



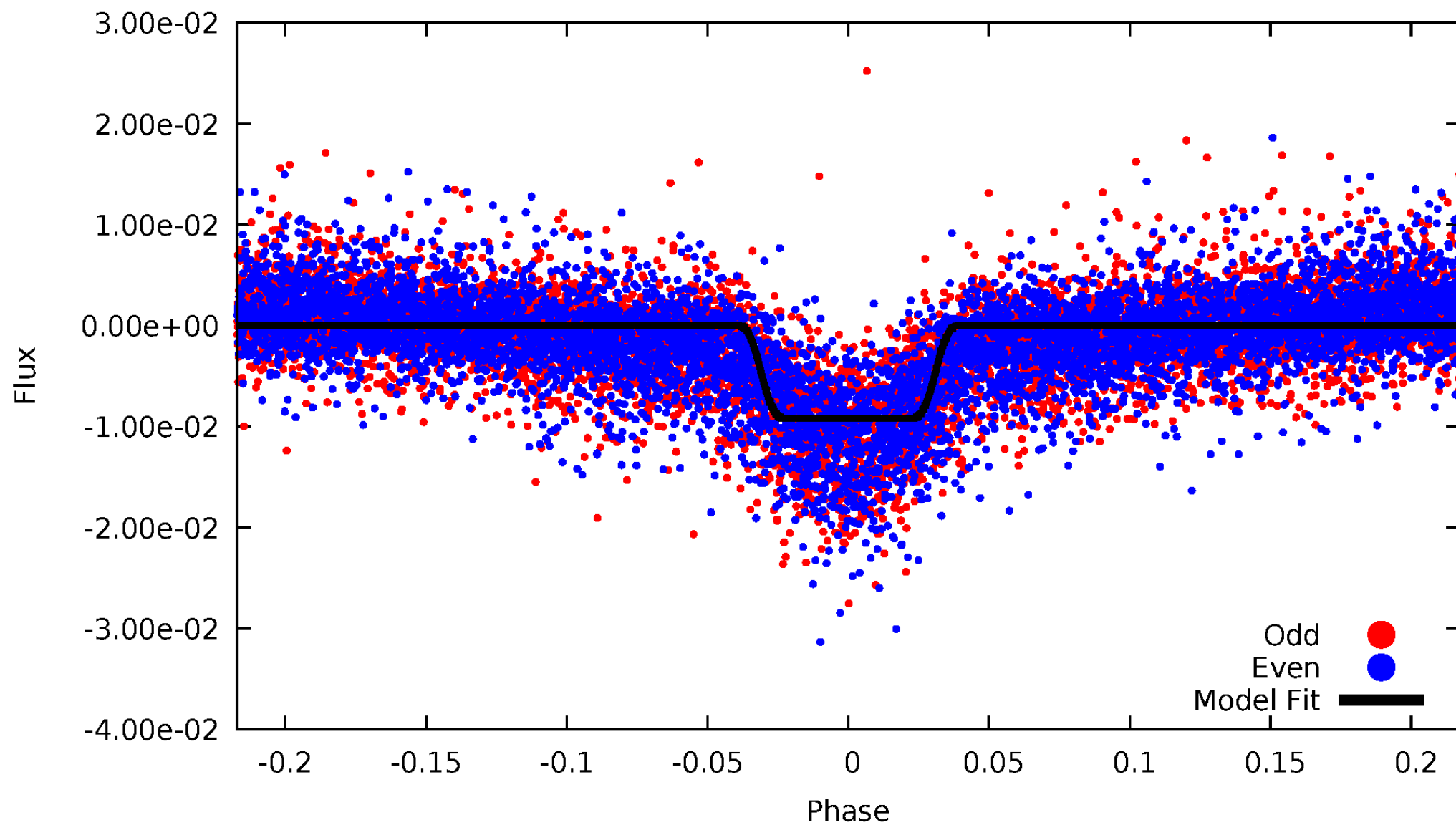
DV Odd/Even

TCE 012062660-02



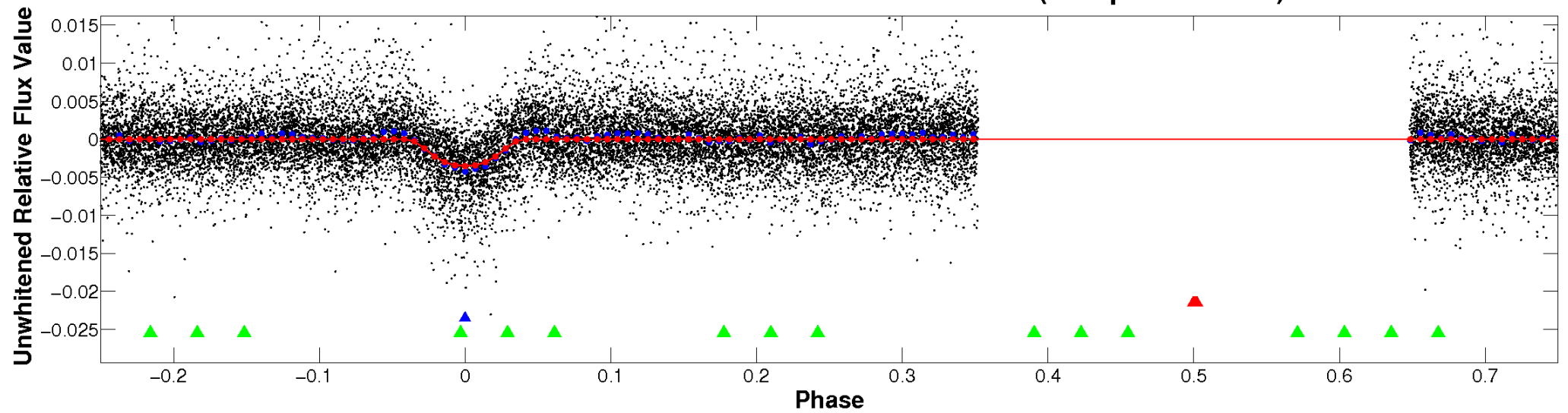
ALT Odd/Even

TCE 012062660-02

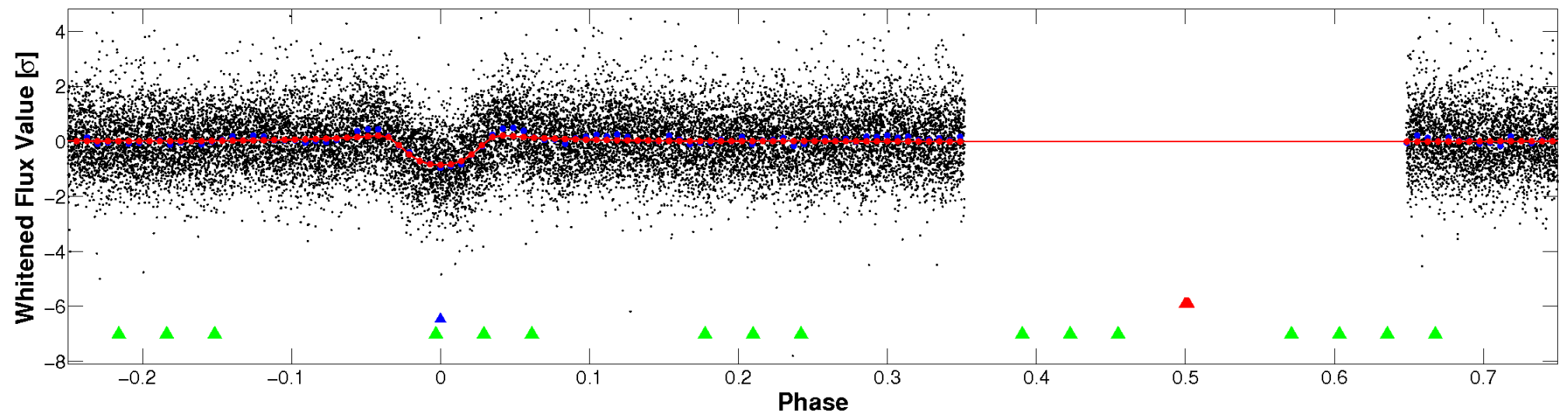


Non-Whitened Vs. Whitened Light Curve

Planet 2 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

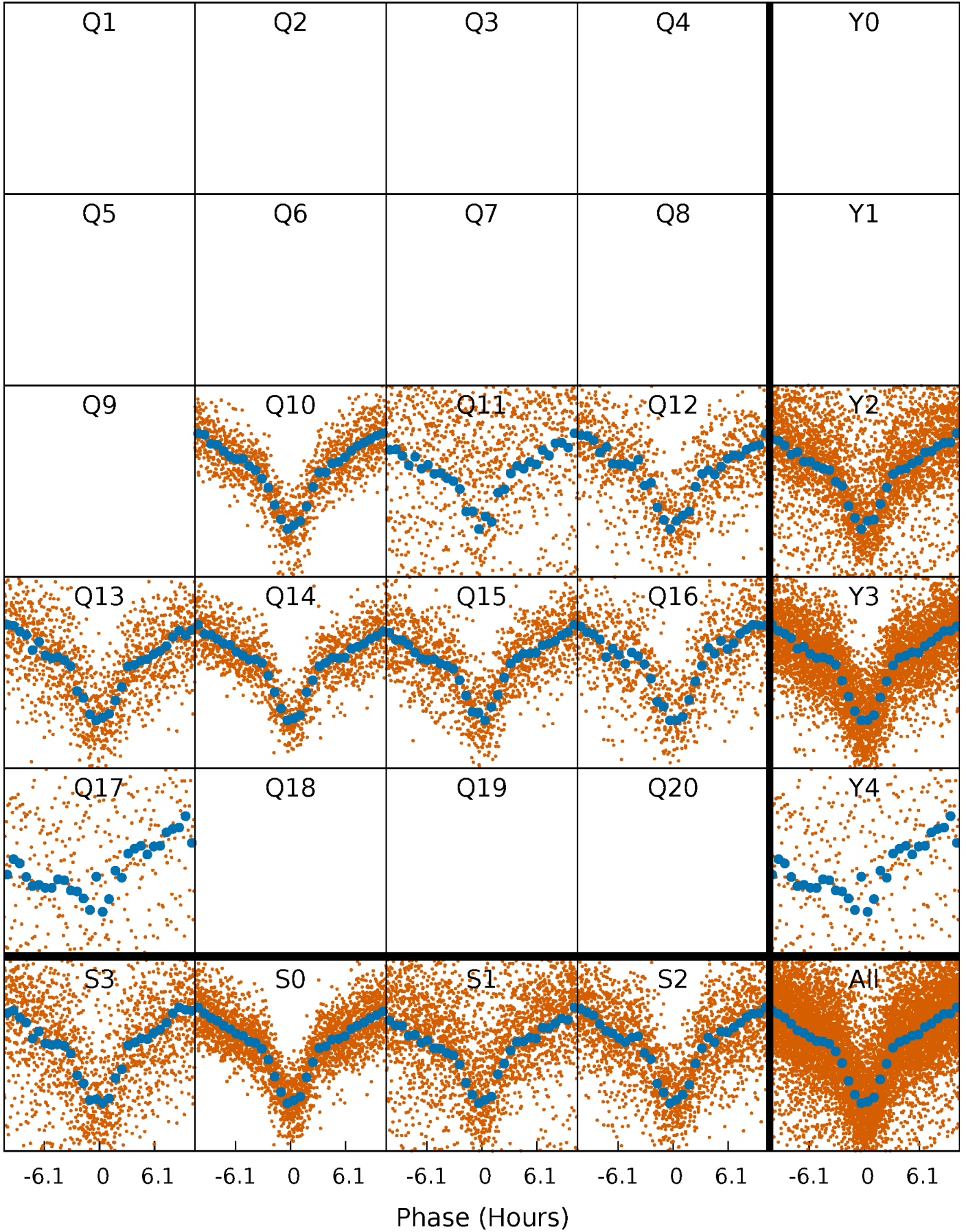


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



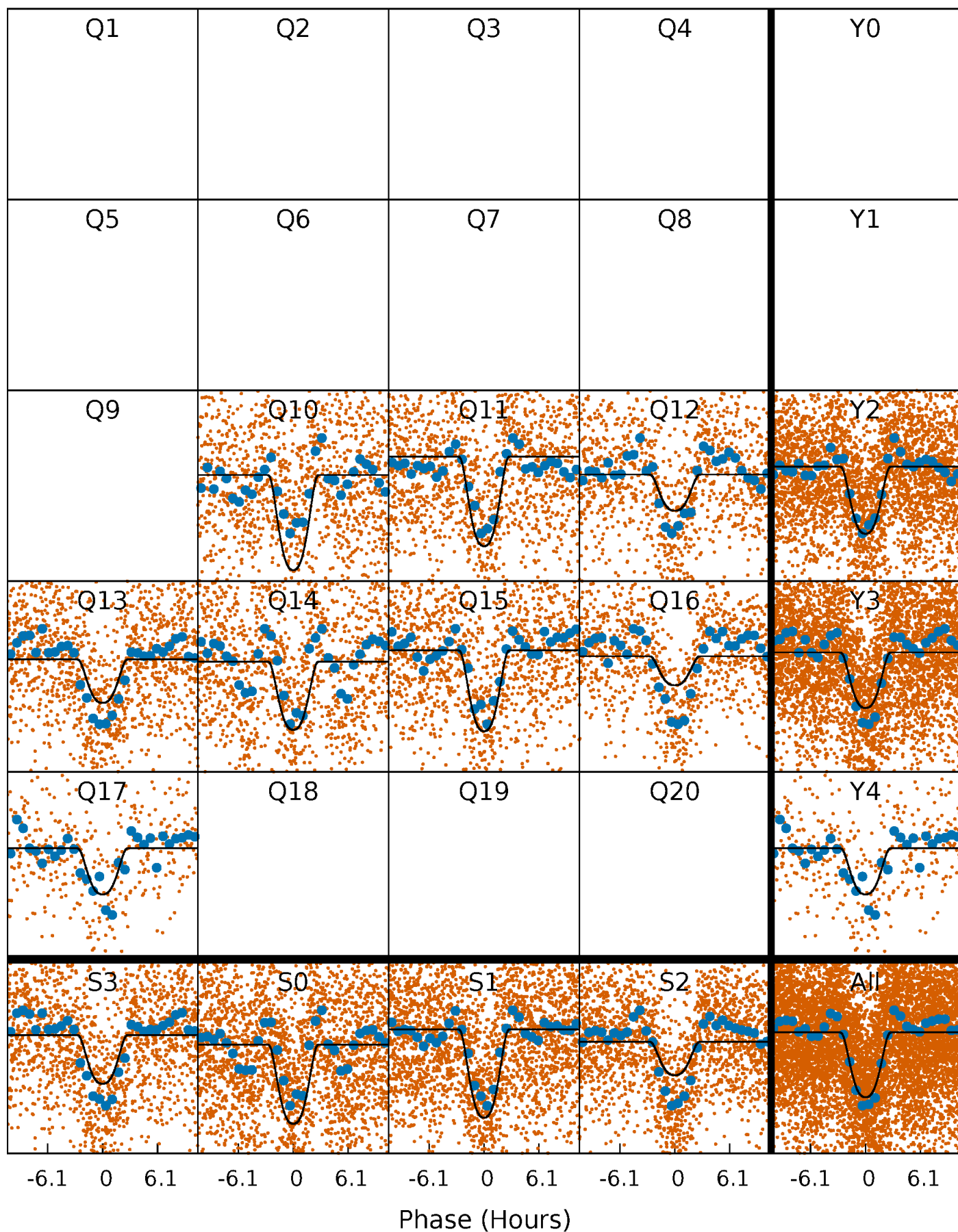
PDC Quarter-Phased Transit Curves

TCE 012062660-02 $P = 2.929314$ Days $T_0 = 132.246474$ (BKJD)



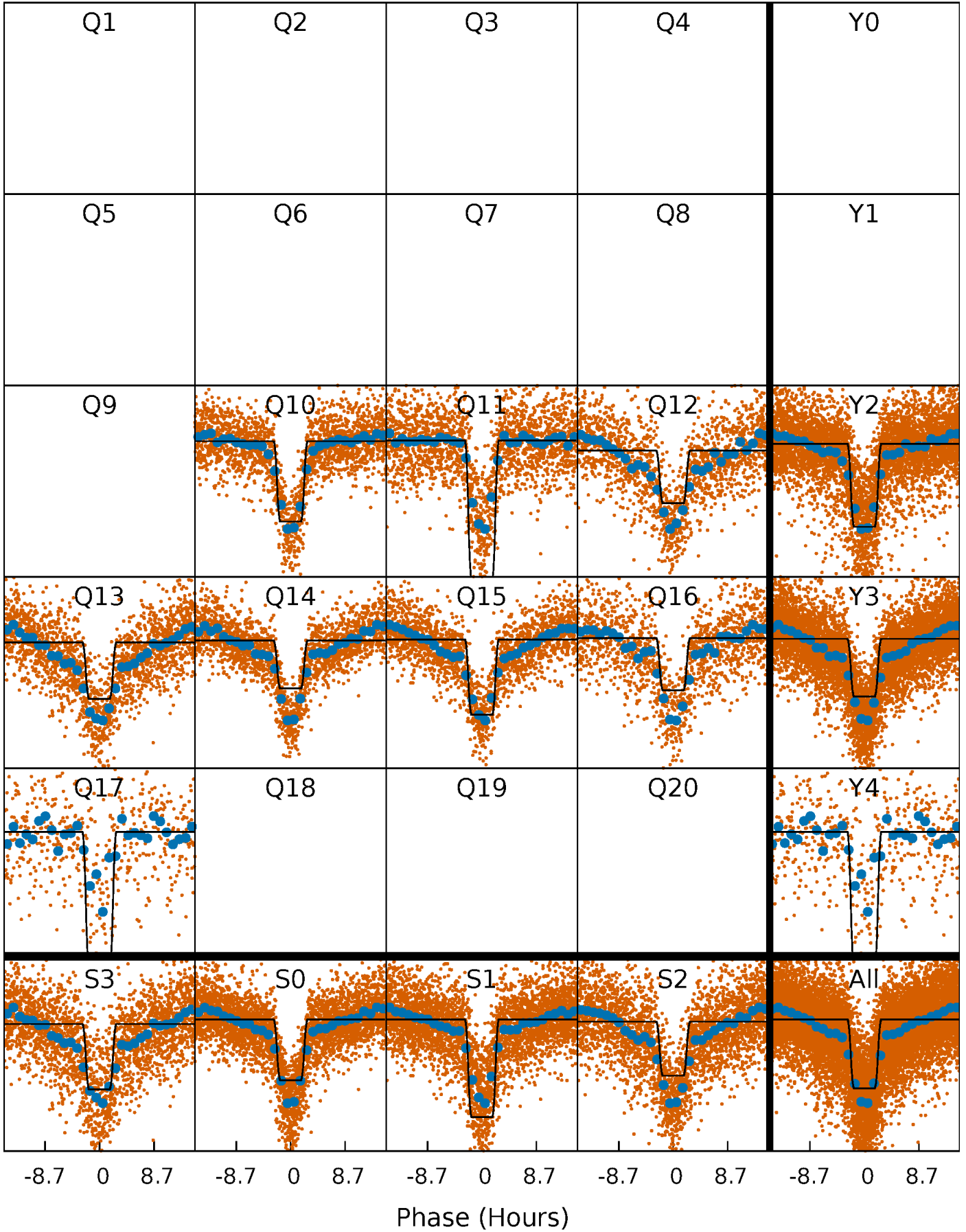
DV Quarter-Phased Transit Curves

TCE 012062660-02 P= 2.929314 Days $T_0=132.246474$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

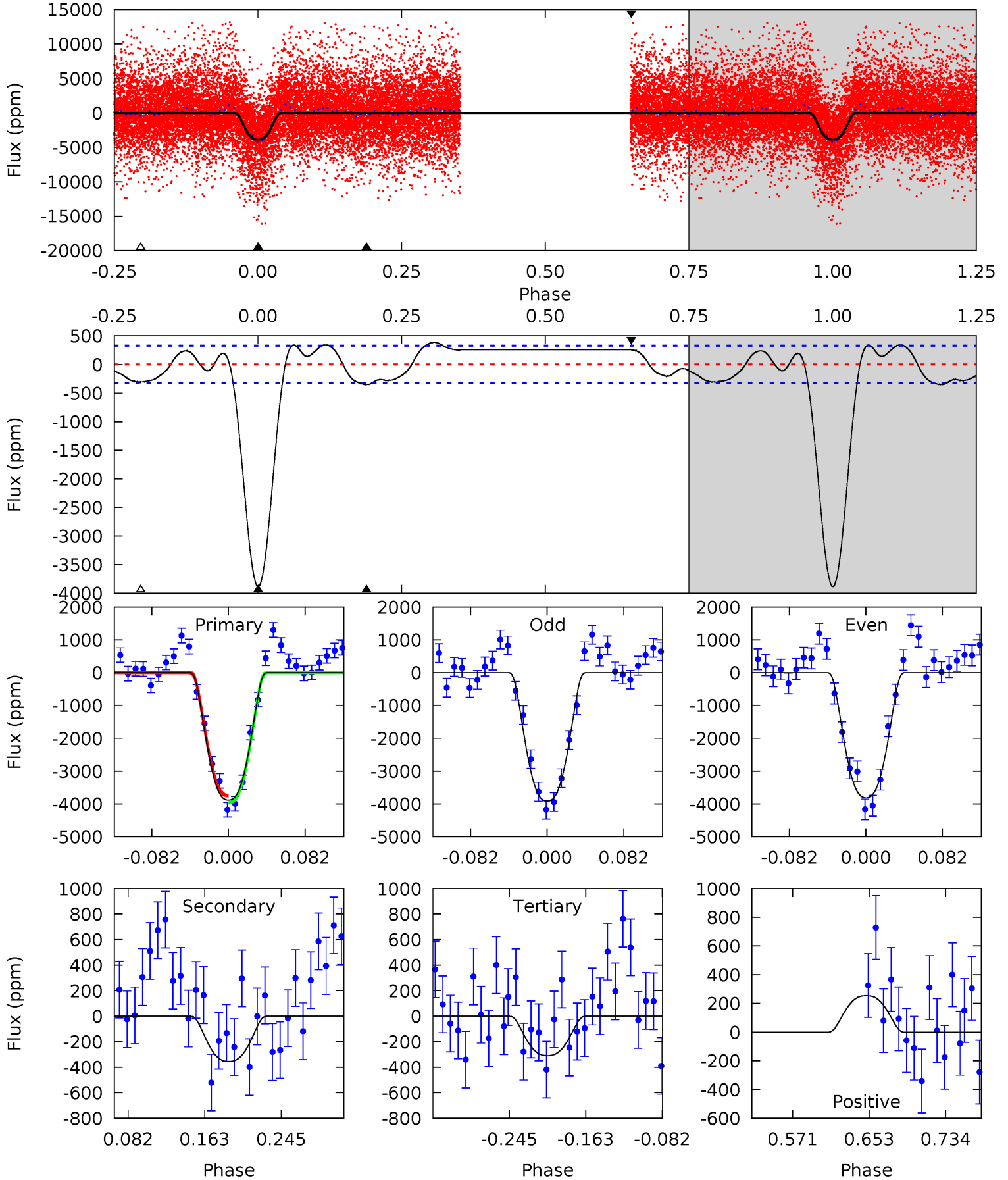
TCE 012062660-02 P= 2.929326 Days $T_0=132.242715$ (BKJD)



DV Model-Shift Uniqueness Test

012062660-02, P = 2.929314 Days, E = 132.246474 Days

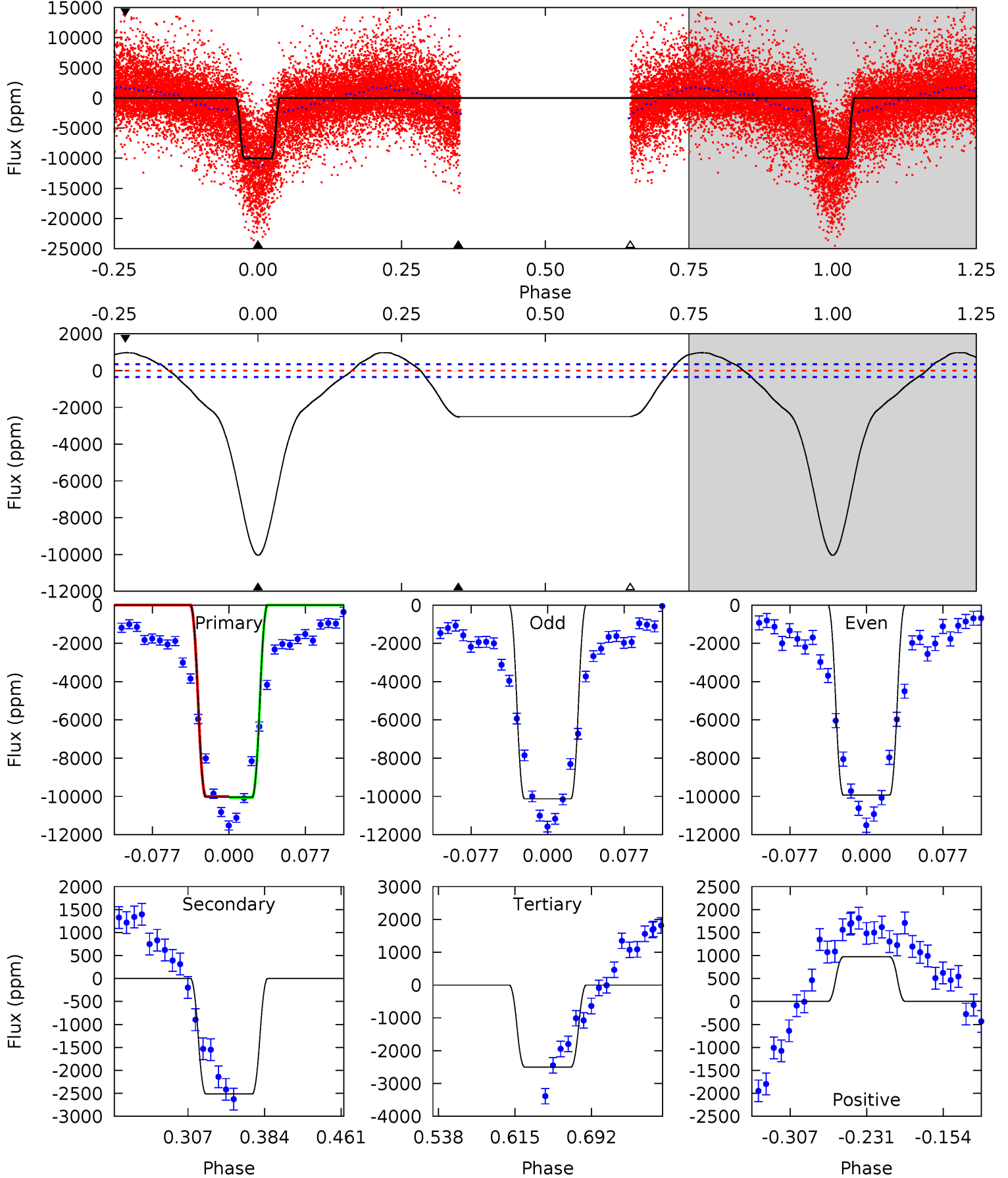
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
54.6	4.98	4.34	3.57	4.61	1.74	3.06	50.2	51.0	0.64	1.41	0.70	1.21	0.09	1.50



Alt Model-Shift Uniqueness Test

012062660-02, P = 2.929326 Days, E = 132.242715 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
132.2	33.1	32.9	12.8	4.62	1.77	14.2	99.3	119.4	0.15	20.3	1.29	0.98	0.09	0.37



Stellar Parameters For KIC 012062660

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5780^{+1}_{-1}	$4.438^{+1.000}_{-1.000}$	$0.000^{+1.000}_{-1.000}$	$1.000^{+1.000}_{-1.000}$	$-1.000^{+1.000}_{-1.000}$	$-1.000^{+1.000}_{-1.000}$
	+0%/-0%	+23%/-23%	+inf%/-inf%	+100%/-100%	+100%/-100%	+100%/-100%
Source	Solar	Solar	Solar	Solar		

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

Secondary Eclipse Parameters for KIC 012062660-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-354 ± 71	$7.39^{+0.65}_{-0.60}$	1780^{+87}_{-86}	3485^{+157}_{-140}	$5.678^{+1.788}_{-1.314}$
Alt.	-2513 ± 76	$10.51^{+0.81}_{-0.78}$	1790^{+84}_{-85}	4386^{+135}_{-132}	20^{+3}_{-3}

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 $A_{obs} \gg 1.0$

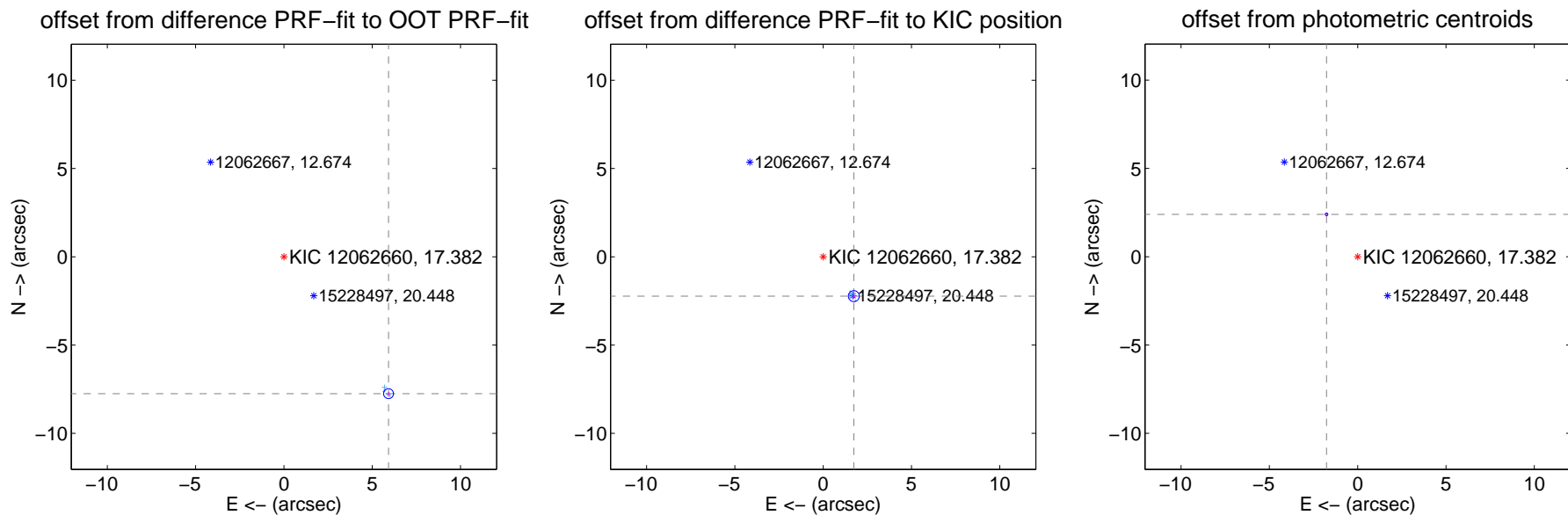
DV Centroid Data

Supplemental centroid analysis for 012062660-02. Kepler magnitude: 17.38. Transit SNR 29.16

There are 8 quarters with good PRF difference image offsets

The OOT PRF centroid is offset from the target star catalog position by about 6.69 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	9.759 ± 0.093	104.59	-5.925 ± 0.080	-7.754 ± 0.085
PRF-fit source offset from KIC position	2.825 ± 0.103	27.32	-1.735 ± 0.083	-2.230 ± 0.114
photometric centroid source offset	2.98 ± 0.03	118.70	1.76 ± 0.02	2.40 ± 0.03



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.

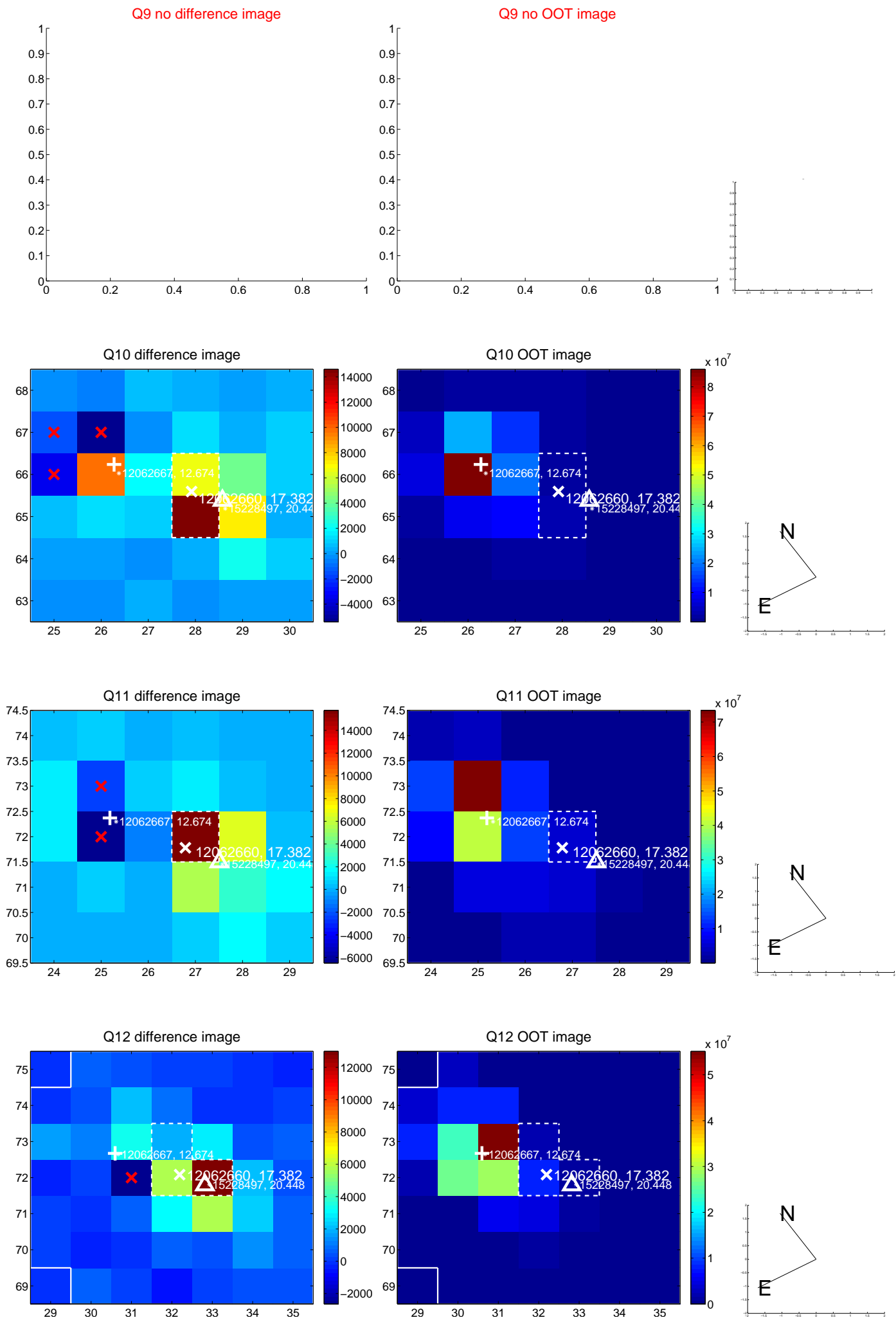
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



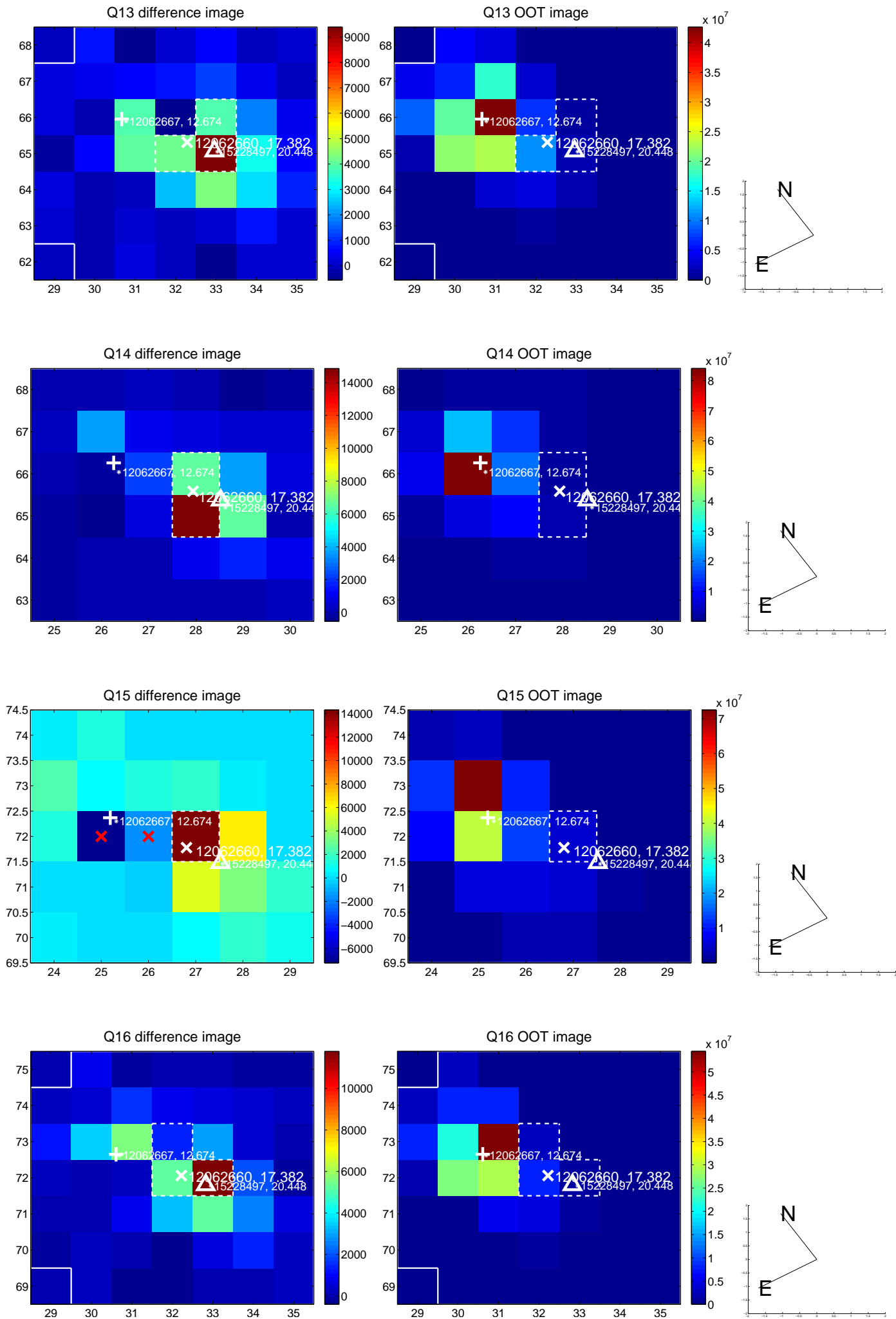
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



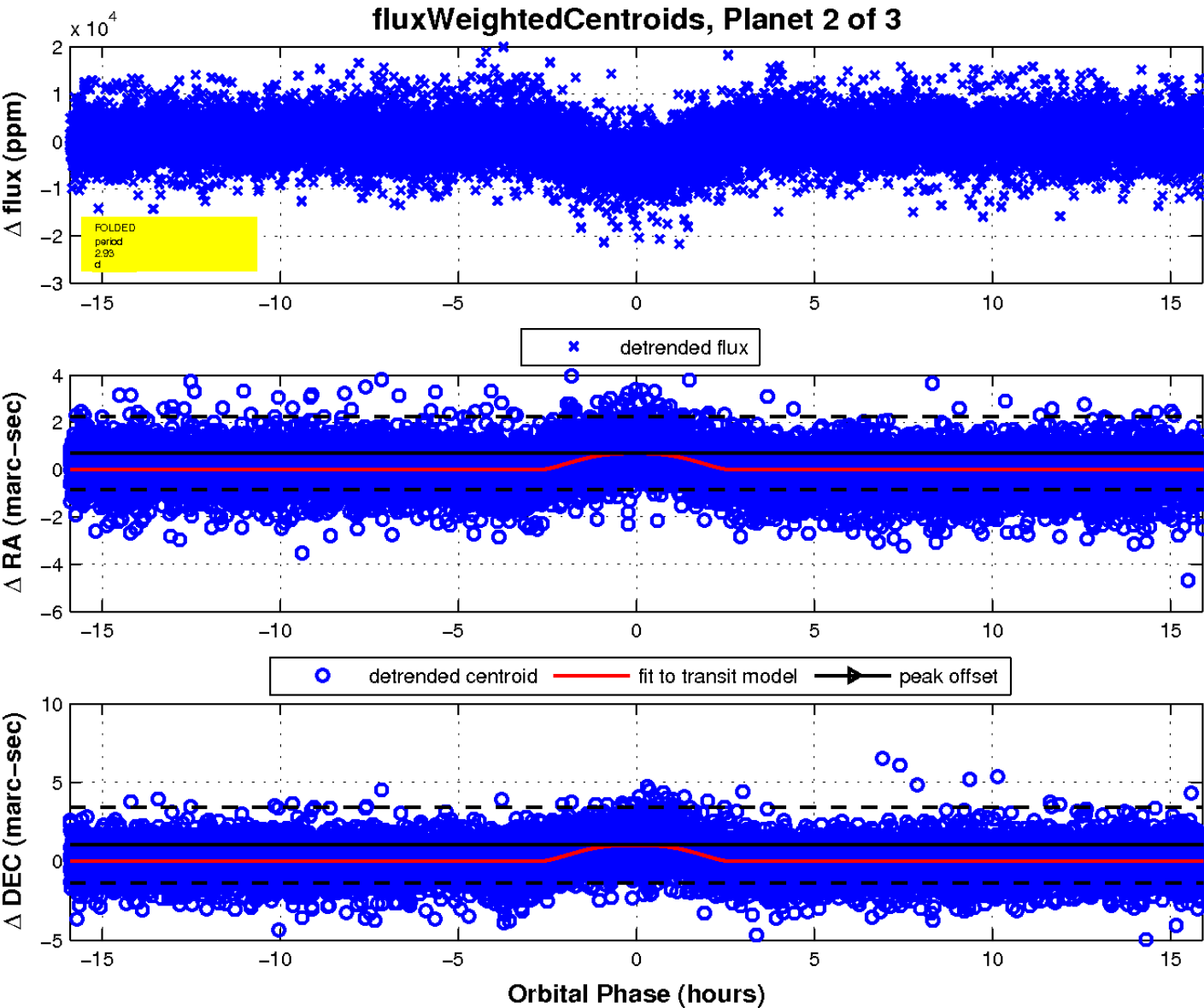
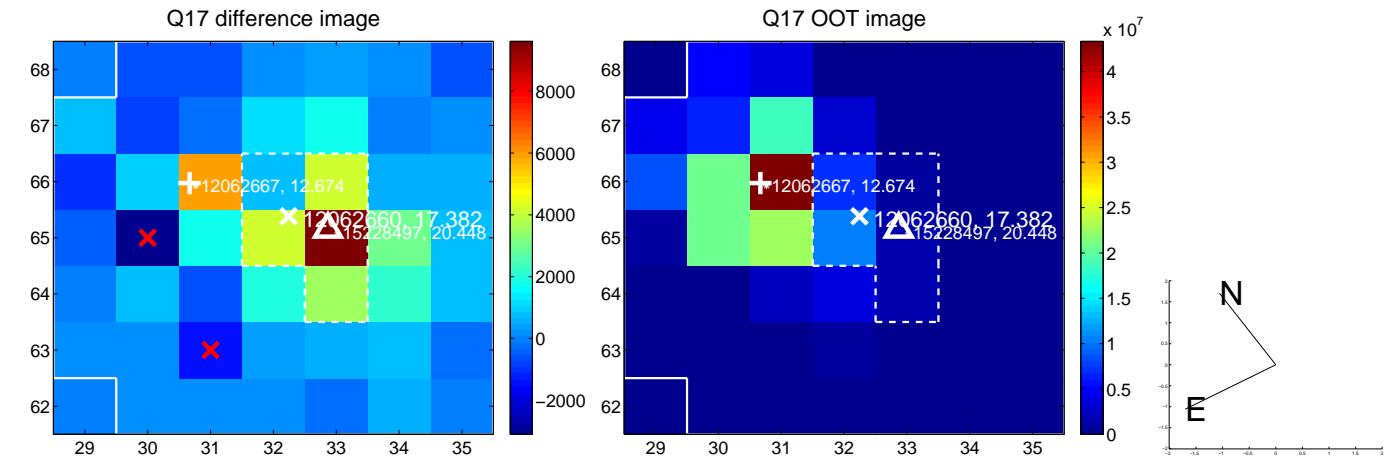
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



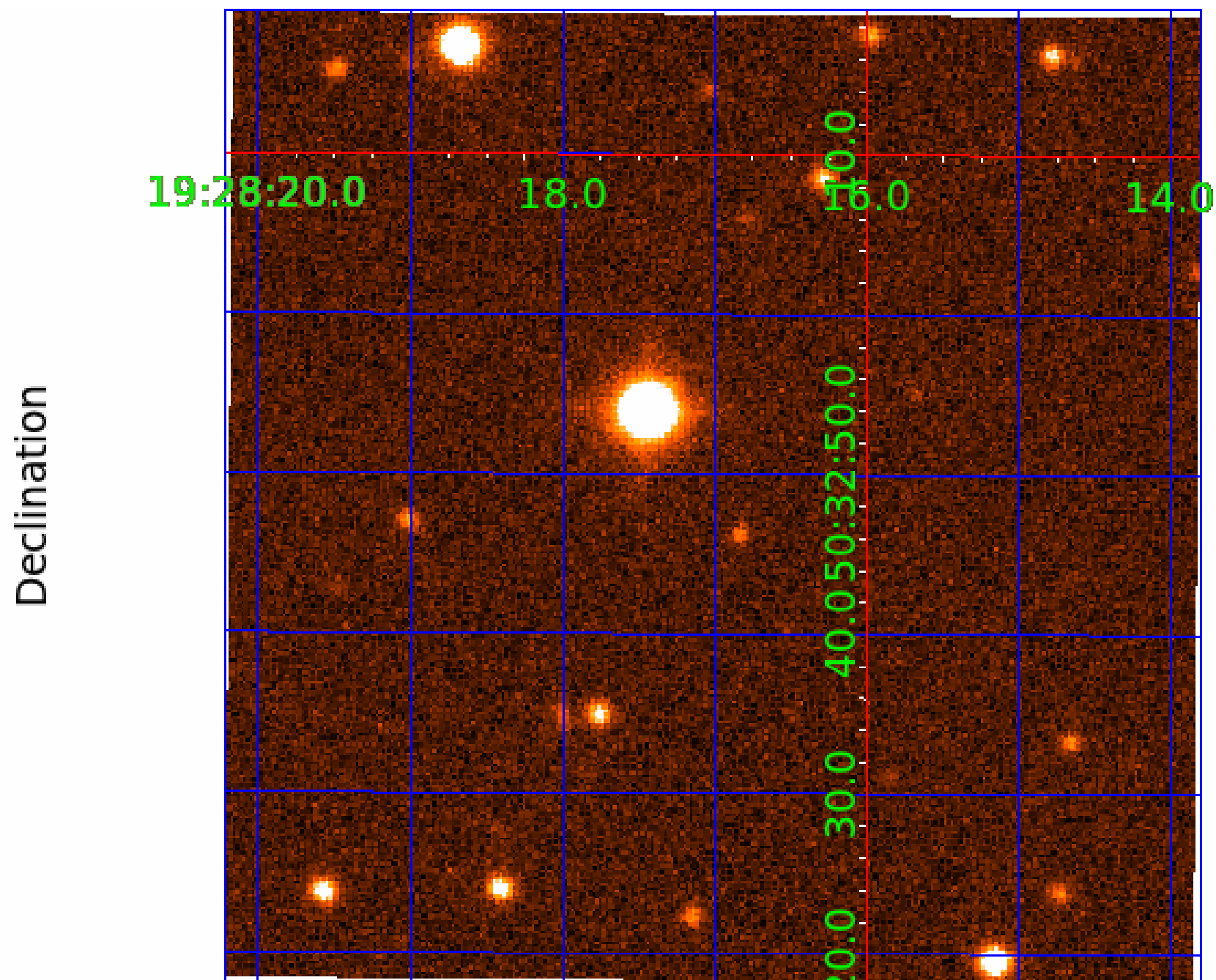
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 012062660

Q1-17 DR25 TCE Parameters

TCE	Run Type	KOI?	Period (Days)	Epoch (BKJD)	Depth (ppm)	Duration (Hours)	MES	SNR	R_{\star} (R_{\odot})	T_{\star} (K)	R_p (R_{\oplus})	S_p (S_{\oplus})
012062660-01	OBS	3746.01	2.929297	133.718128	81936.4	6.793	603.6	453.0	1.00	5780	43.46	622.66
012062660-02	OBS	No	2.929314	132.246474	3524.3	5.300	26.1	29.2	1.00	5780	7.39	622.66
012062660-03	OBS	No	89.655875	210.081849	6288.9	12.340	8.4	5.3	1.00	5780	13.76	6.50

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
012062660-01	OBS	FP	0.00	0	1	0	0	SWEET_EB—MOD_SEC_DV—MOD_SEC_ALT—DEEP_V_SHAPED—HAS_SEC_TCE—CENT_KIC_POS
012062660-02	OBS	FP	0.00	1	1	0	0	IS_SEC_TCE—CENT_KIC_POS
012062660-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_POS_ALT—CENT_FEW_DIFFS

Notes: OBS = Observed. INJ = Injected. INV = Inverted. SCR = Scrambled.

N = Not Transit-Like. S = Stellar Eclipse. C = Centroid Offset. E = Ephemeris Match.

See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 012062660-03

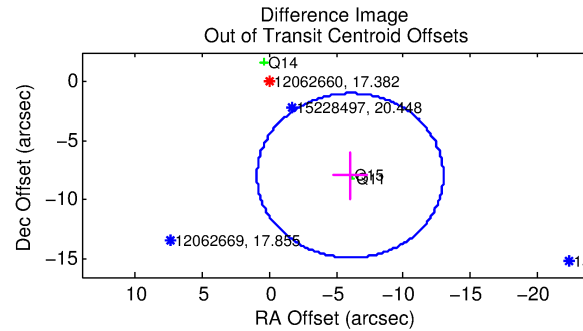
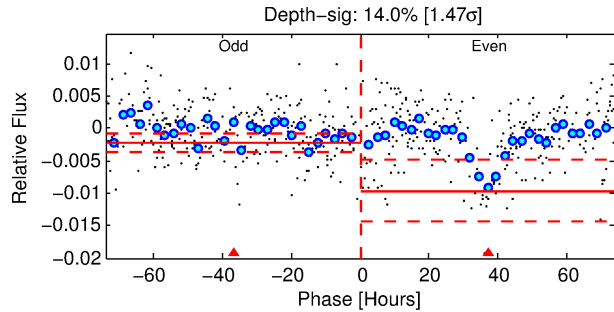
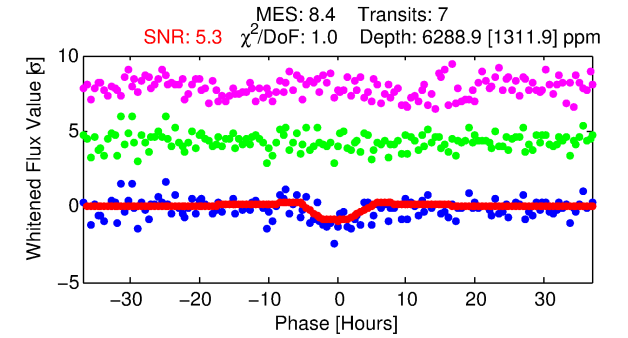
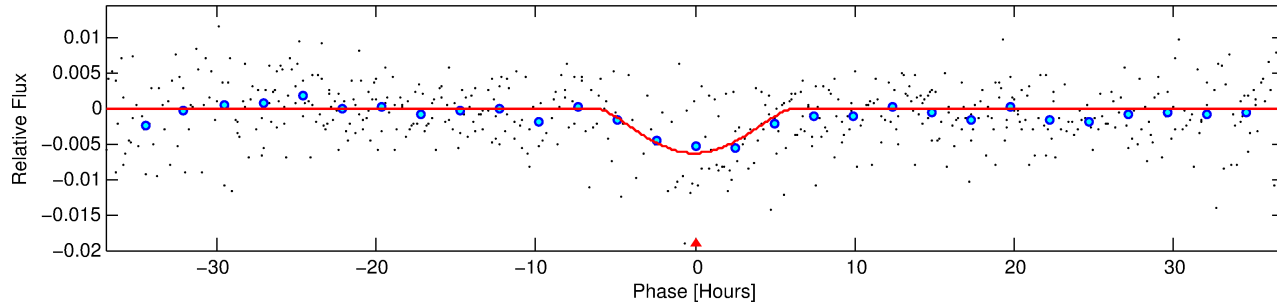
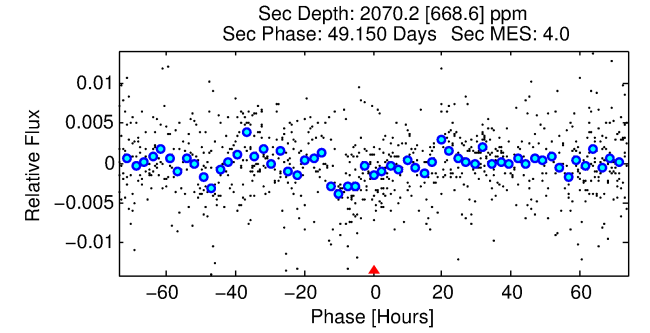
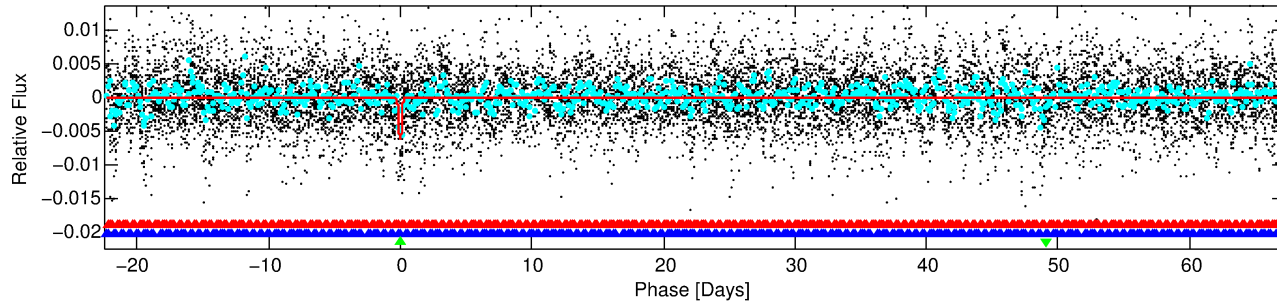
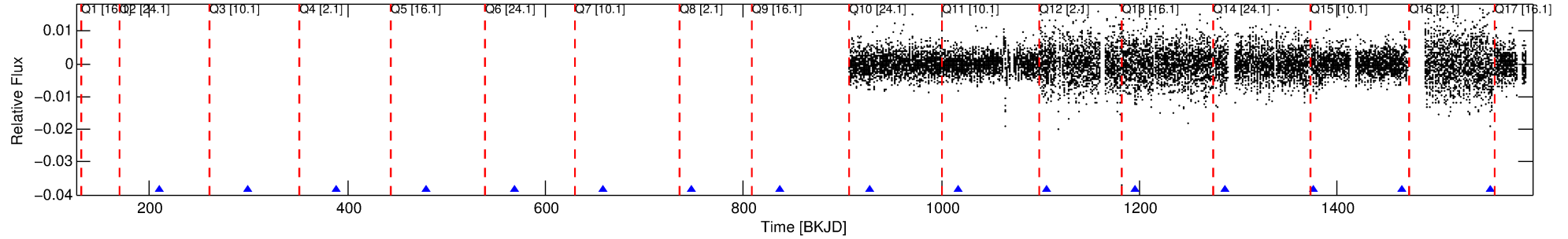
No Significant Match Found

DV One-Page Summary

KIC: 12062660 Candidate: 3 of 3 Period: 89.656 d

KOI: K03746 Corr: No Ephemeris Match

Kp: 17.38 R*: 1.00 Rs Teff: 5780.0 K Logg: 4.44 Fe/H: 0.000



DV Fit Results:

Period = 89.65588 [0.01248] d
Epoch = 210.0818 [0.1461] BKJD
Rp/R* = 0.1261 [0.6095]
a/R* = 29.85 [26.59]
b = 0.99 [0.90]
Seff = 6.50 [0.00]
Teq = 407 [0] K
Rp = 13.76 [66.51] Re
a = 0.3921 [0.0000] AU
Ag = 924.51 [8940.87] [0.10σ]
Teff = 3472 [8394] K [0.37σ]

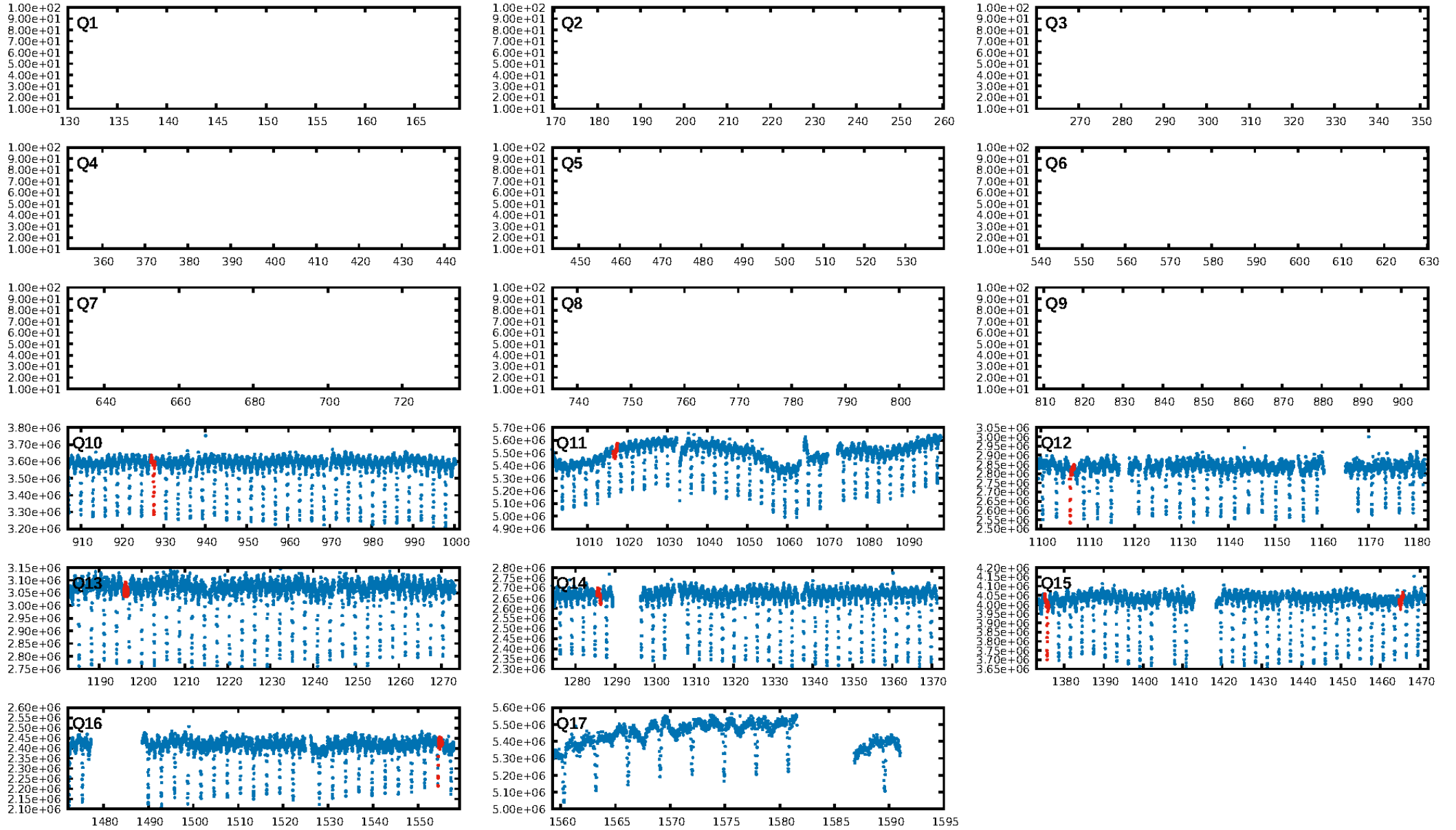
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [154.98σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 0.3%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 1.41e-10
RollingBand-fgt: 1.00 [7/7]
GhostDiagnostic-chr: 0.4279
Centroid-sig: 64.2%
Centroid-so: 3.290 arcsec [48.59σ]
OotOffset-rm: 9.969 arcsec [4.30σ]
KicOffset-rm: 3.144 arcsec [0.75σ]
OotOffset-st: 1/2/0/0 [3]
KicOffset-st: 1/2/0/0 [3]
DiffImageQuality-fgm: 0.33 [1/3]
DiffImageOverlap-fno: 0.00 [0/6]

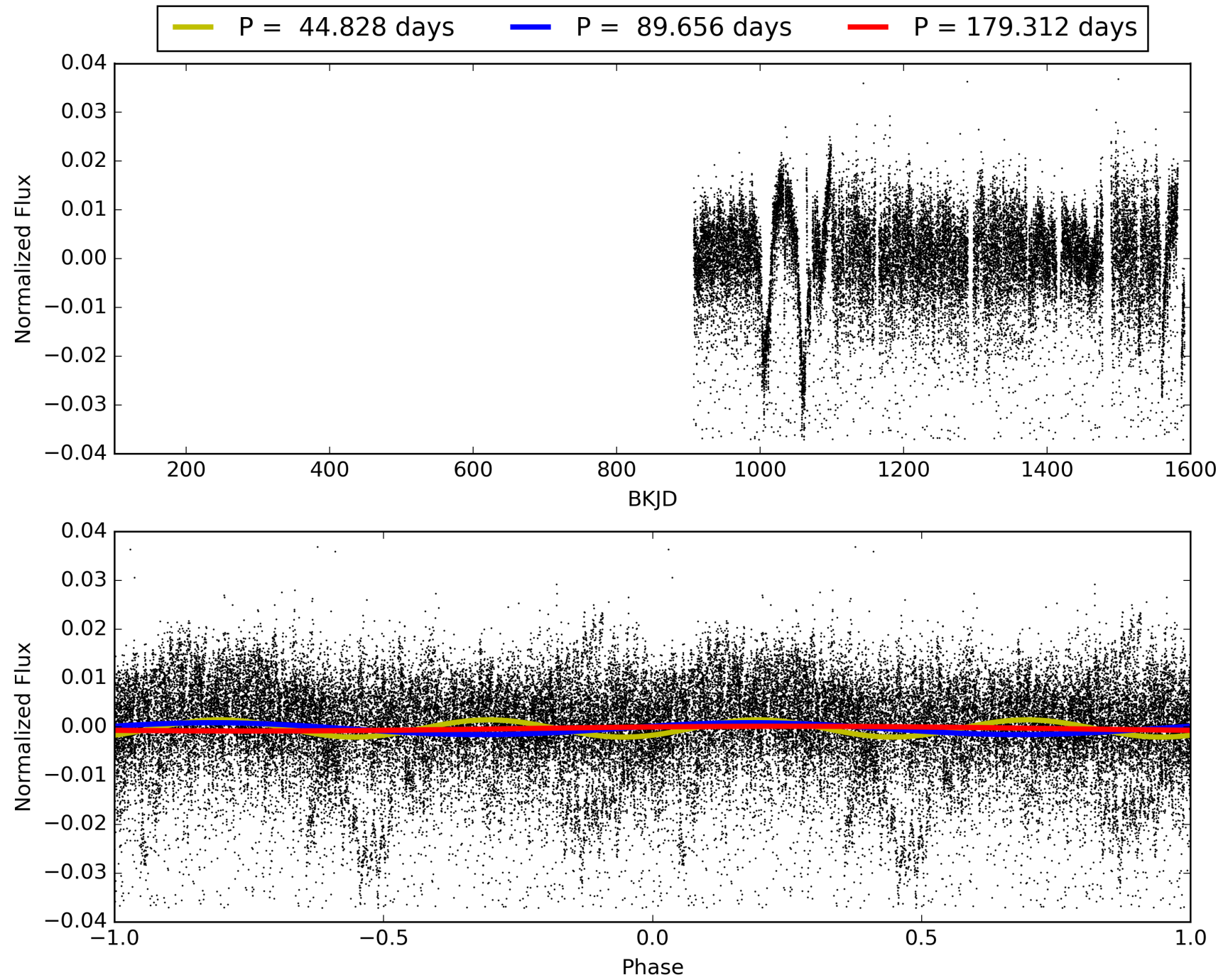
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:56:16 Z

This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 012062660-03, PDC Light Curves

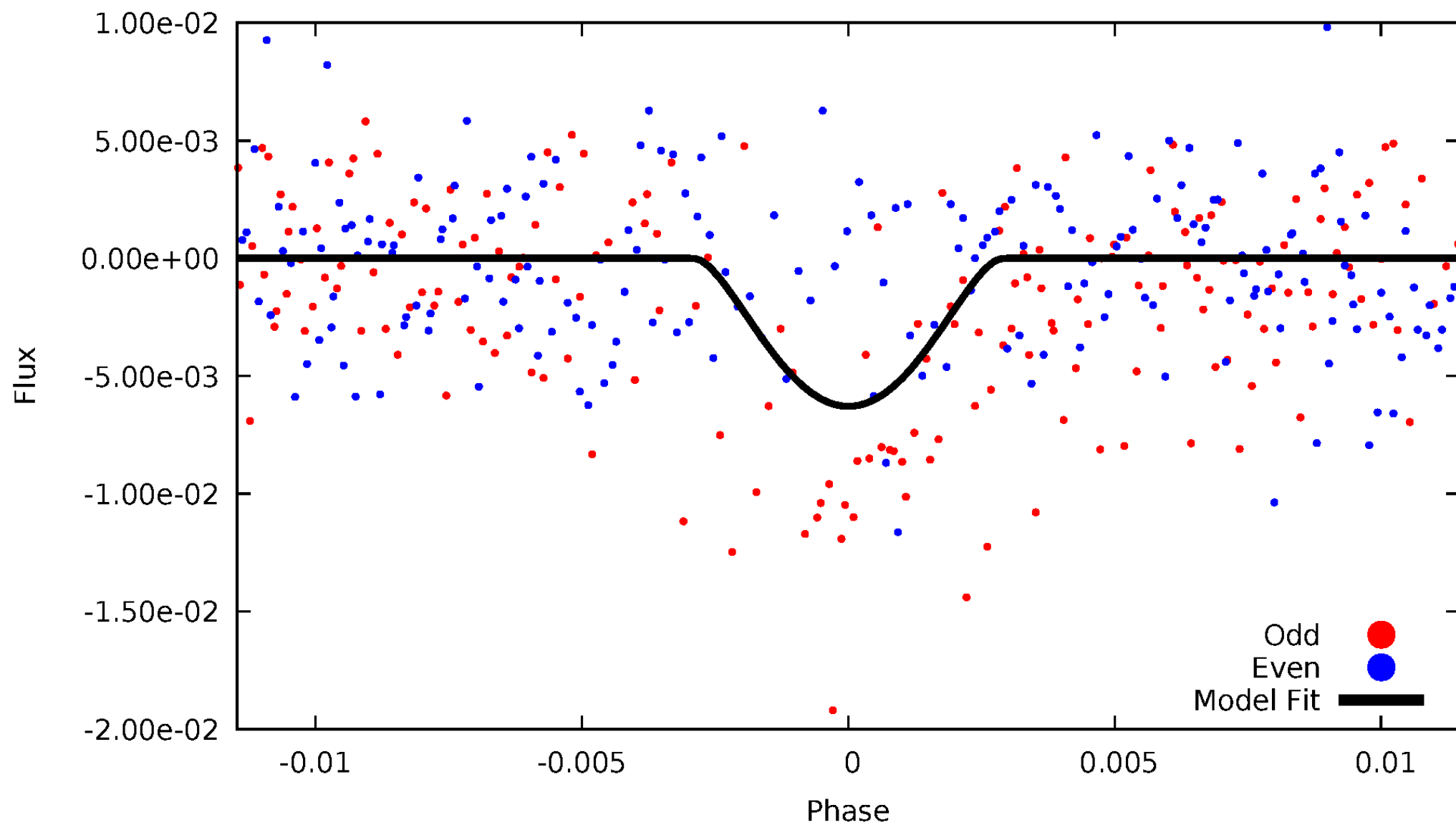


TCE 012062660-03



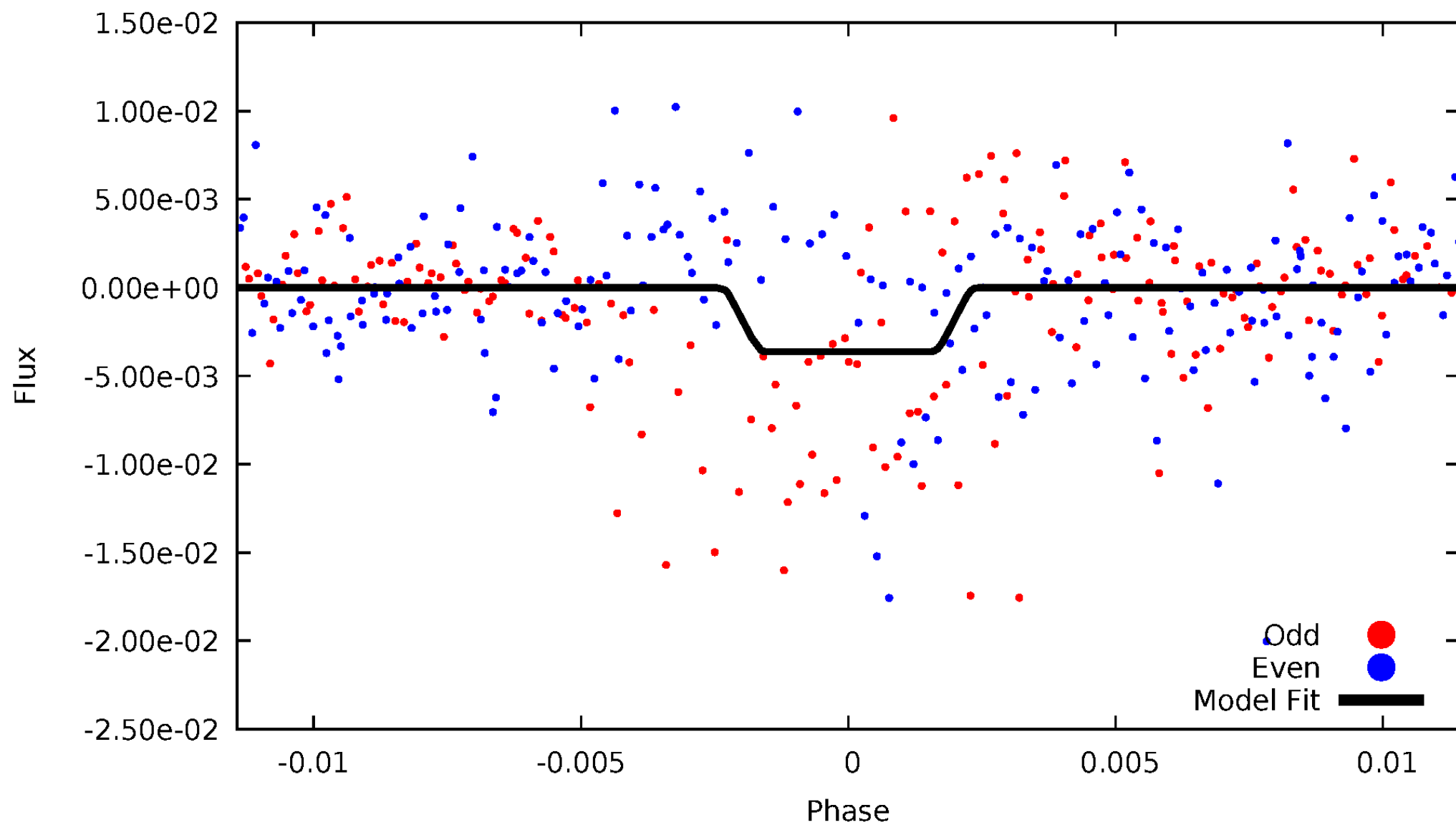
DV Odd/Even

TCE 012062660-03



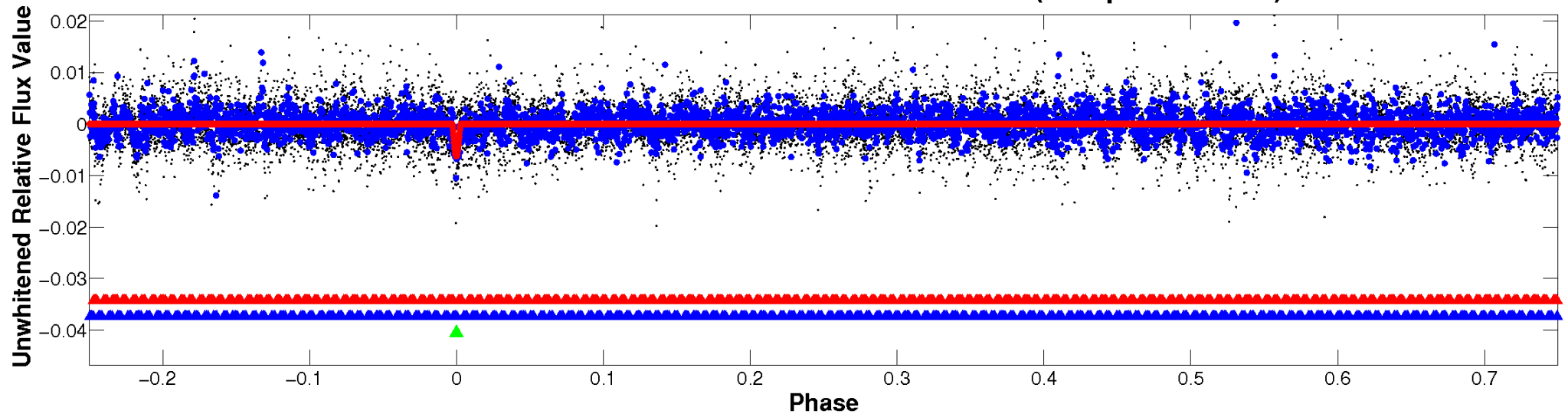
ALT Odd/Even

TCE 012062660-03

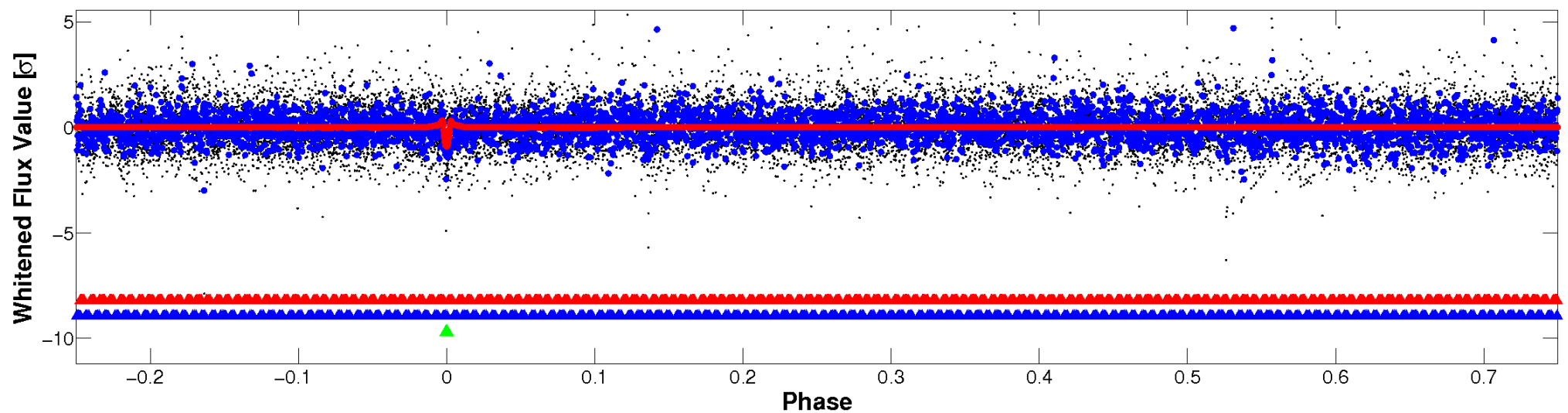


Non-Whitened Vs. Whitened Light Curve

Planet 3 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

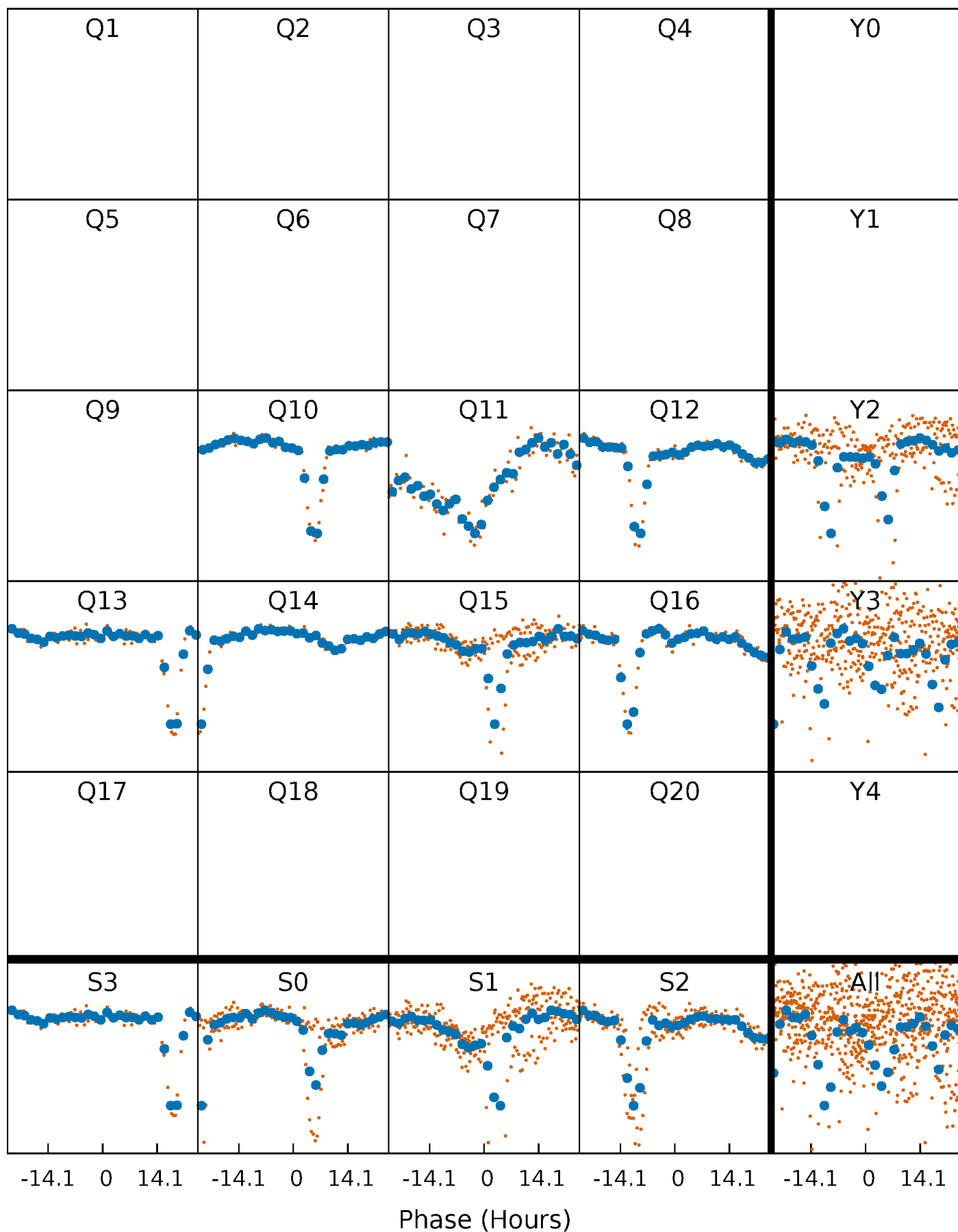


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



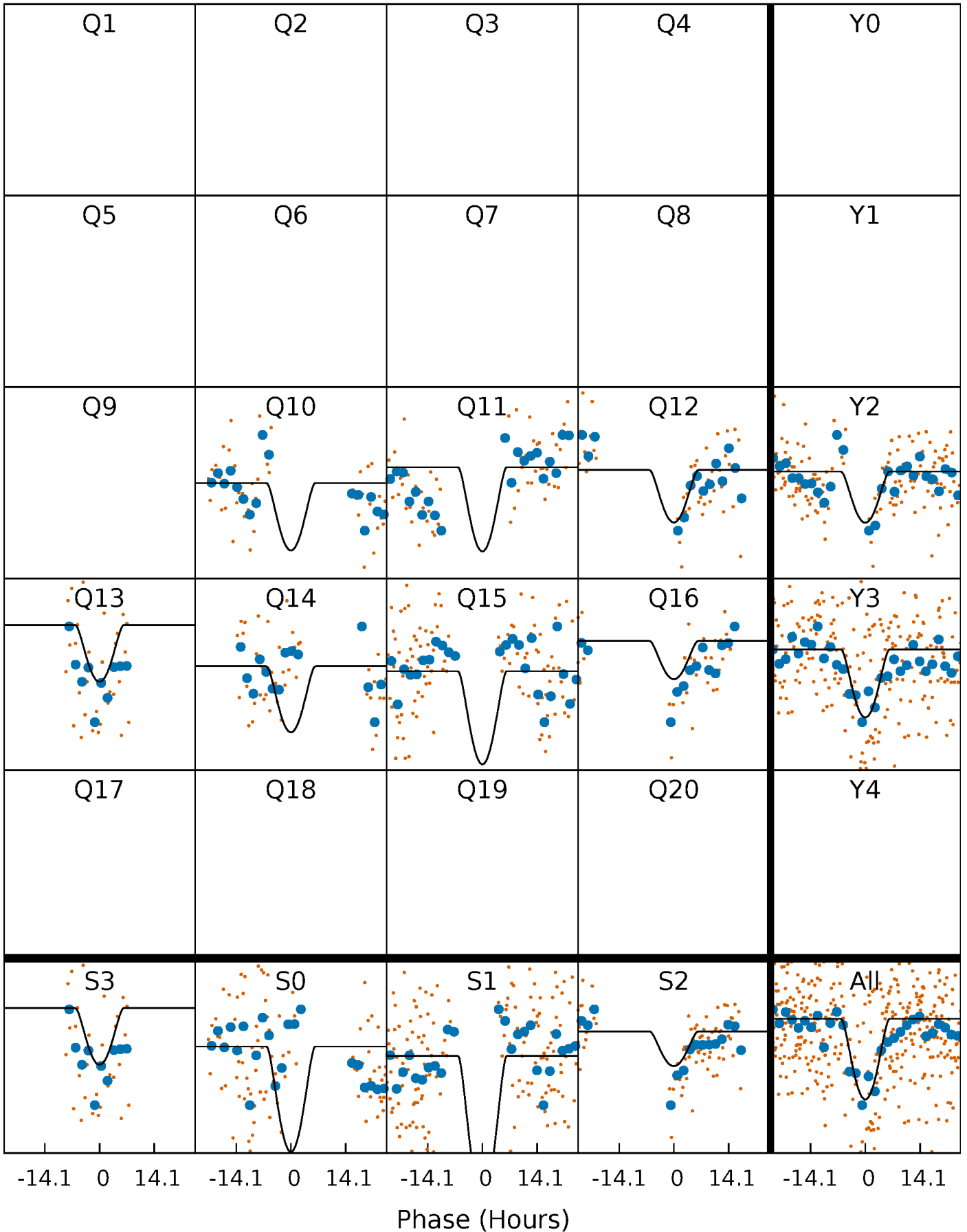
PDC Quarter-Phased Transit Curves

TCE 012062660-03 $P = 89.655875$ Days $T_0 = 210.081849$ (BKJD)



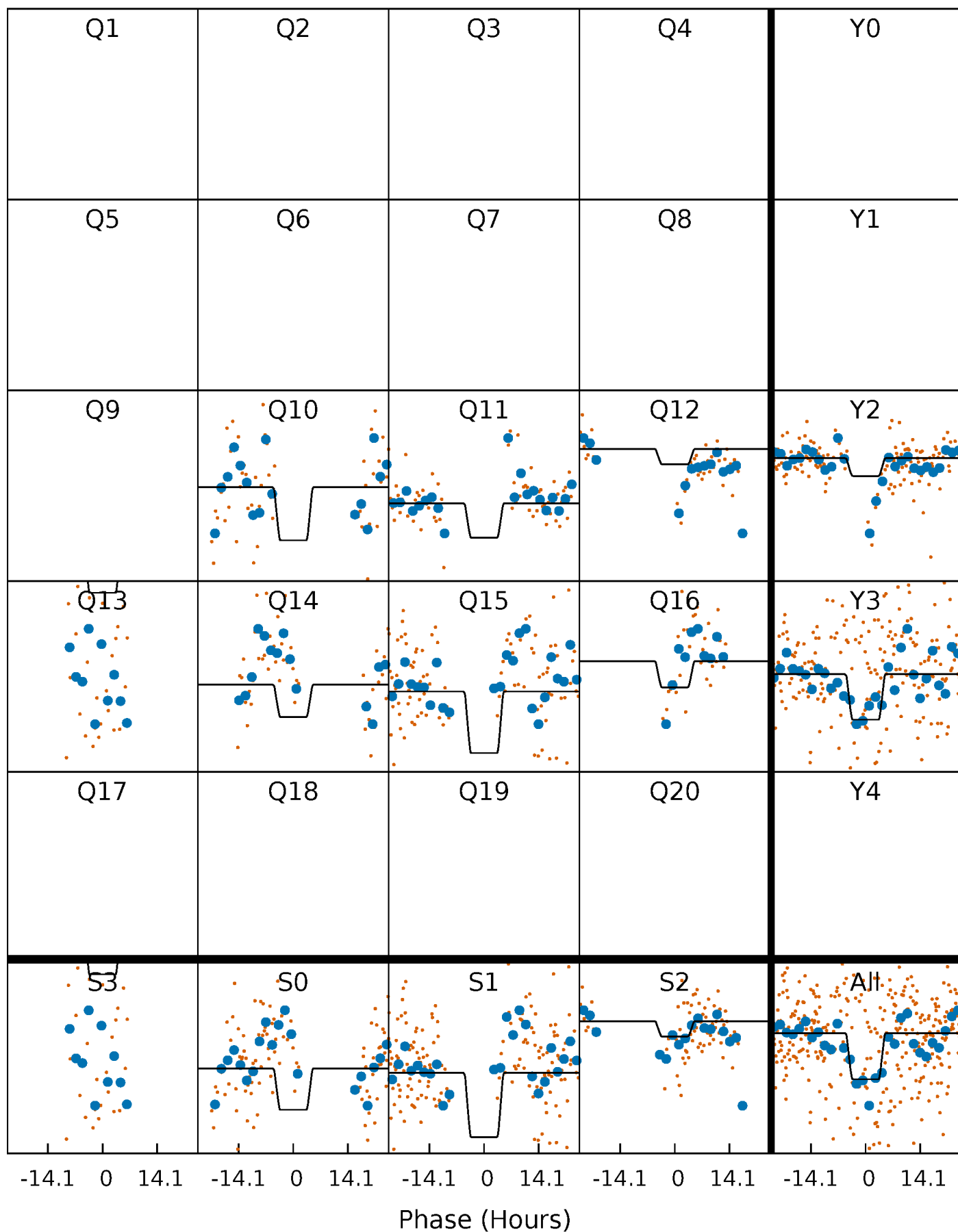
DV Quarter-Phased Transit Curves

TCE 012062660-03 $P = 89.655875$ Days $T_0 = 210.081849$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

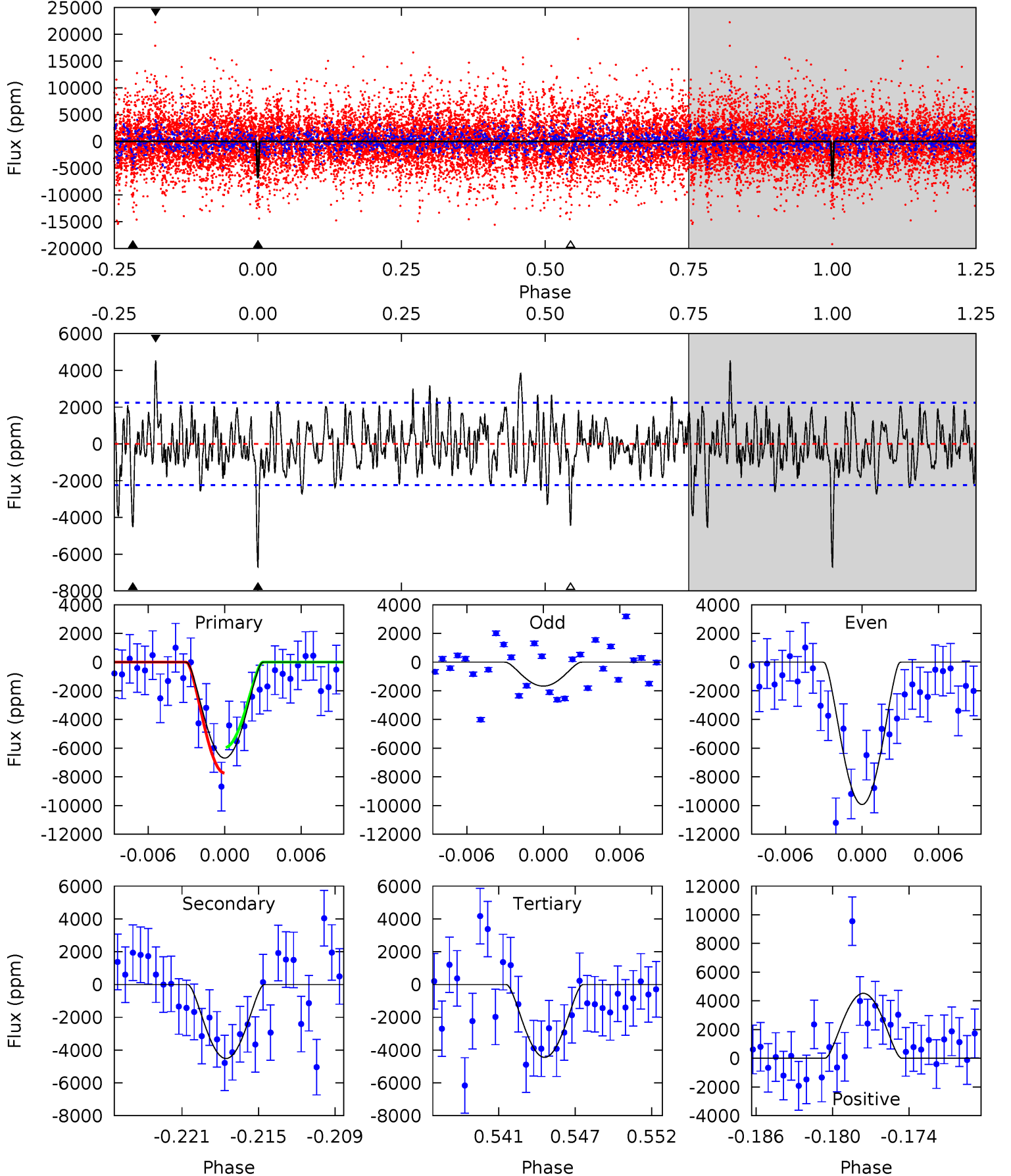
TCE 012062660-03 P= 89.669272 Days $T_0=209.963052$ (BKJD)



DV Model-Shift Uniqueness Test

012062660-03, P = 89.655875 Days, E = 210.081849 Days

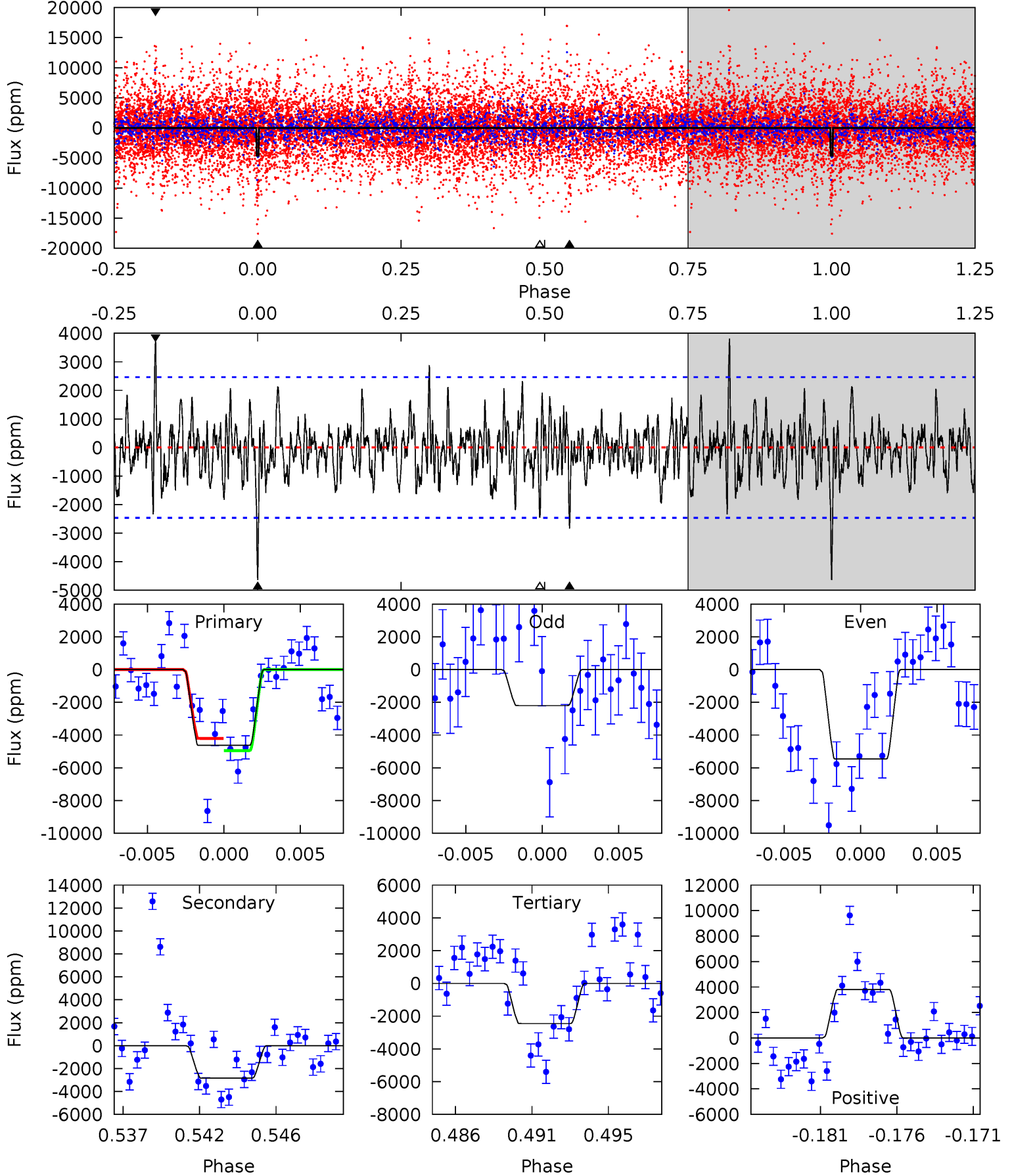
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
15.3	10.3	10.2	10.3	5.13	2.76	2.61	5.14	4.96	0.17	-0.01	9.39	-0.46	0.40	1.98



Alt Model-Shift Uniqueness Test

012062660-03, P = 89.669272 Days, E = 209.963052 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.72	5.94	5.14	7.99	5.17	2.83	1.64	4.57	1.72	0.80	-2.05	3.40	1.80	0.45	0.77



Stellar Parameters For KIC 012062660

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5780^{+1}_{-1}	$4.438^{+1.000}_{-1.000}$	$0.000^{+1.000}_{-1.000}$	$1.000^{+1.000}_{-1.000}$	$-1.000^{+1.000}_{-1.000}$	$-1.000^{+1.000}_{-1.000}$
	+0%/-0%	+23%/-23%	+inf%/-inf%	+100%/-100%	+100%/-100%	+100%/-100%
Source	Solar	Solar	Solar	Solar		

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

Secondary Eclipse Parameters for KIC 012062660-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-4518 ± 437	$48.89^{+57.21}_{-34.06}$	568^{+32}_{-27}	2924^{+1368}_{-536}	156^{+1573}_{-123}
Alt.	-2831 ± 477	$48.72^{+46.27}_{-33.84}$	569^{+27}_{-28}	2755^{+1165}_{-436}	101^{+947}_{-75}

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 $A_{obs} \gg 1.0$

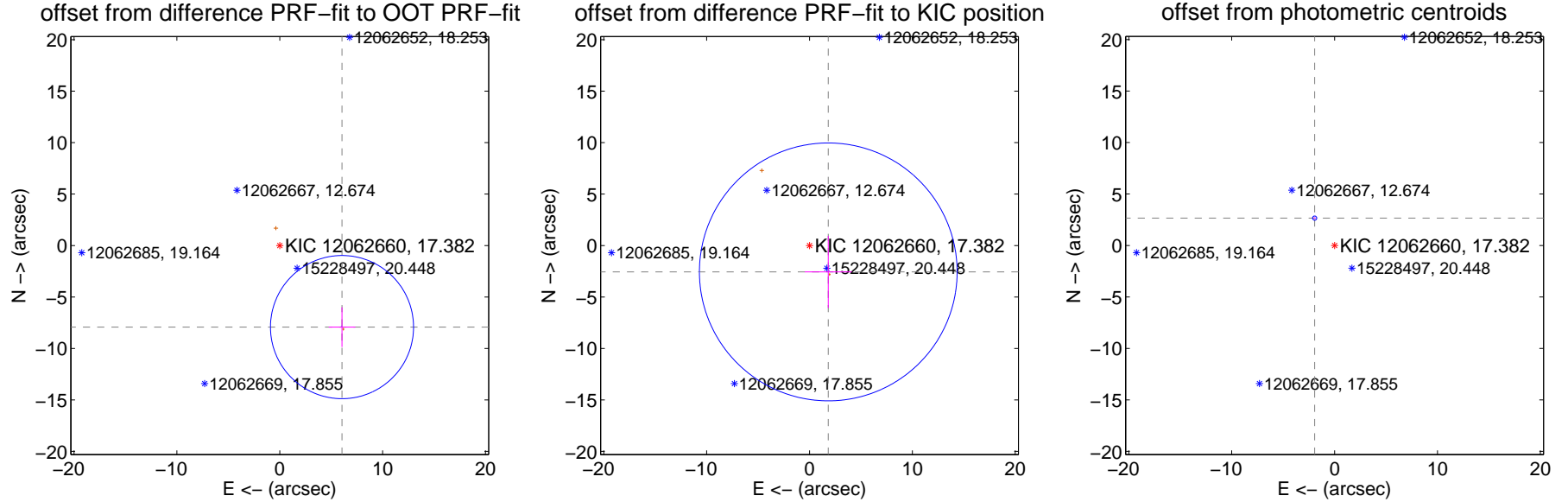
DV Centroid Data

Supplemental centroid analysis for 012062660-03. Kepler magnitude: 17.38. Transit SNR 5.32

There are 1 quarters with good PRF difference image offsets

The OOT PRF centroid is offset from the target star catalog position by about 6.84 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	9.969 ± 2.318	4.30	-6.051 ± 1.293	-7.923 ± 1.931
PRF-fit source offset from KIC position	3.144 ± 4.175	0.75	-1.824 ± 2.289	-2.562 ± 3.496
photometric centroid source offset	3.29 ± 0.07	48.59	1.94 ± 0.07	2.66 ± 0.07



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.

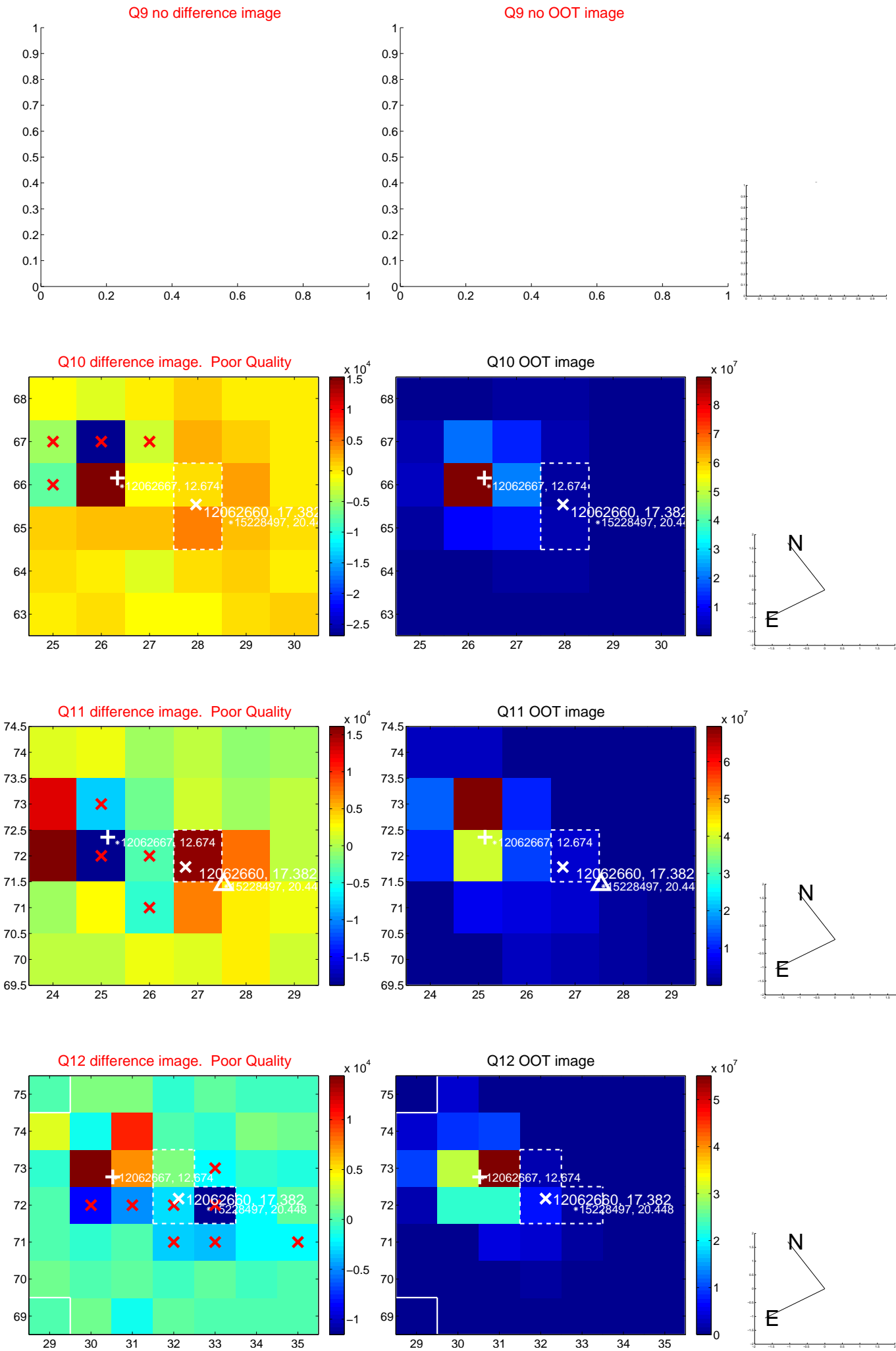
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



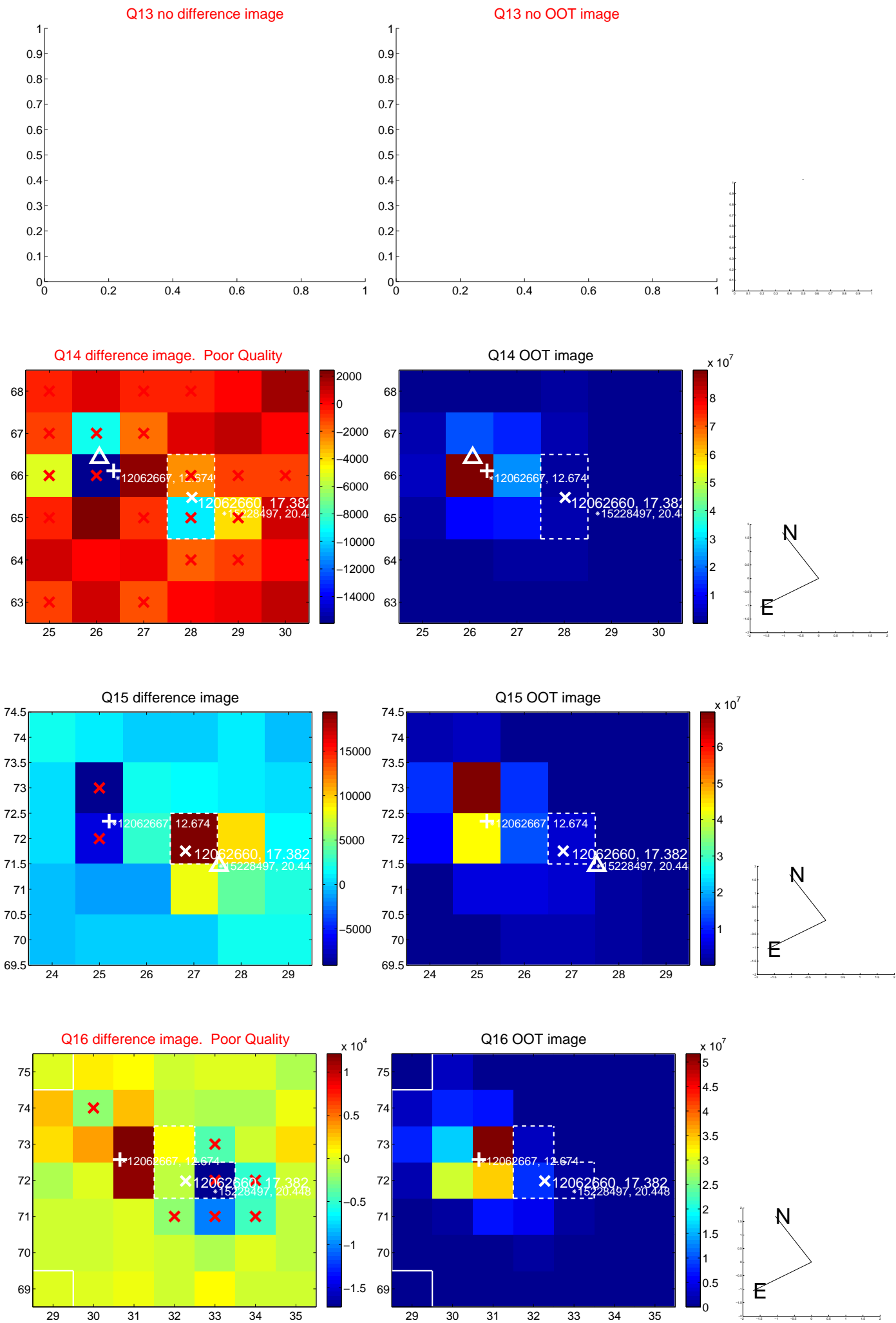
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



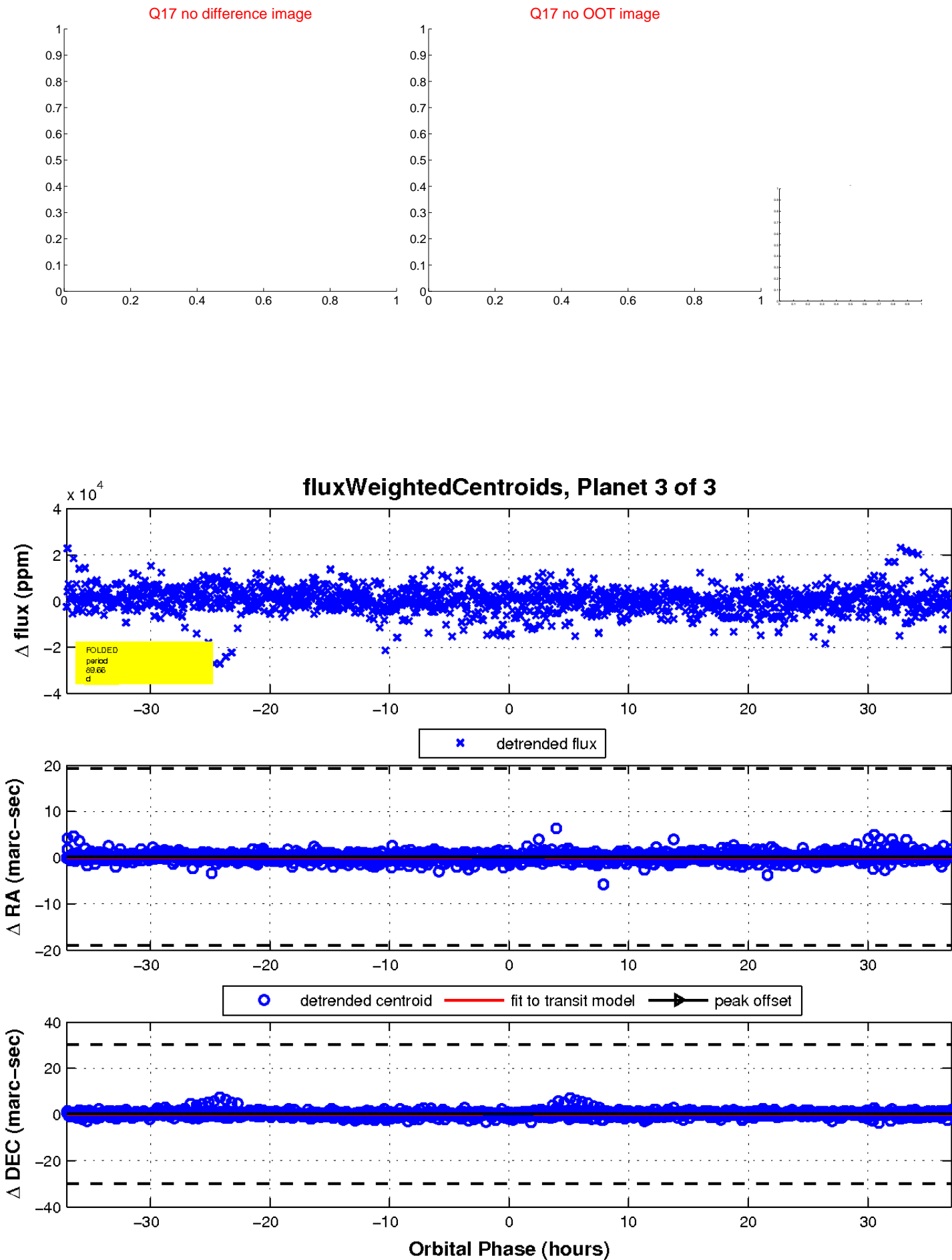
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



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



UKIRT Image

