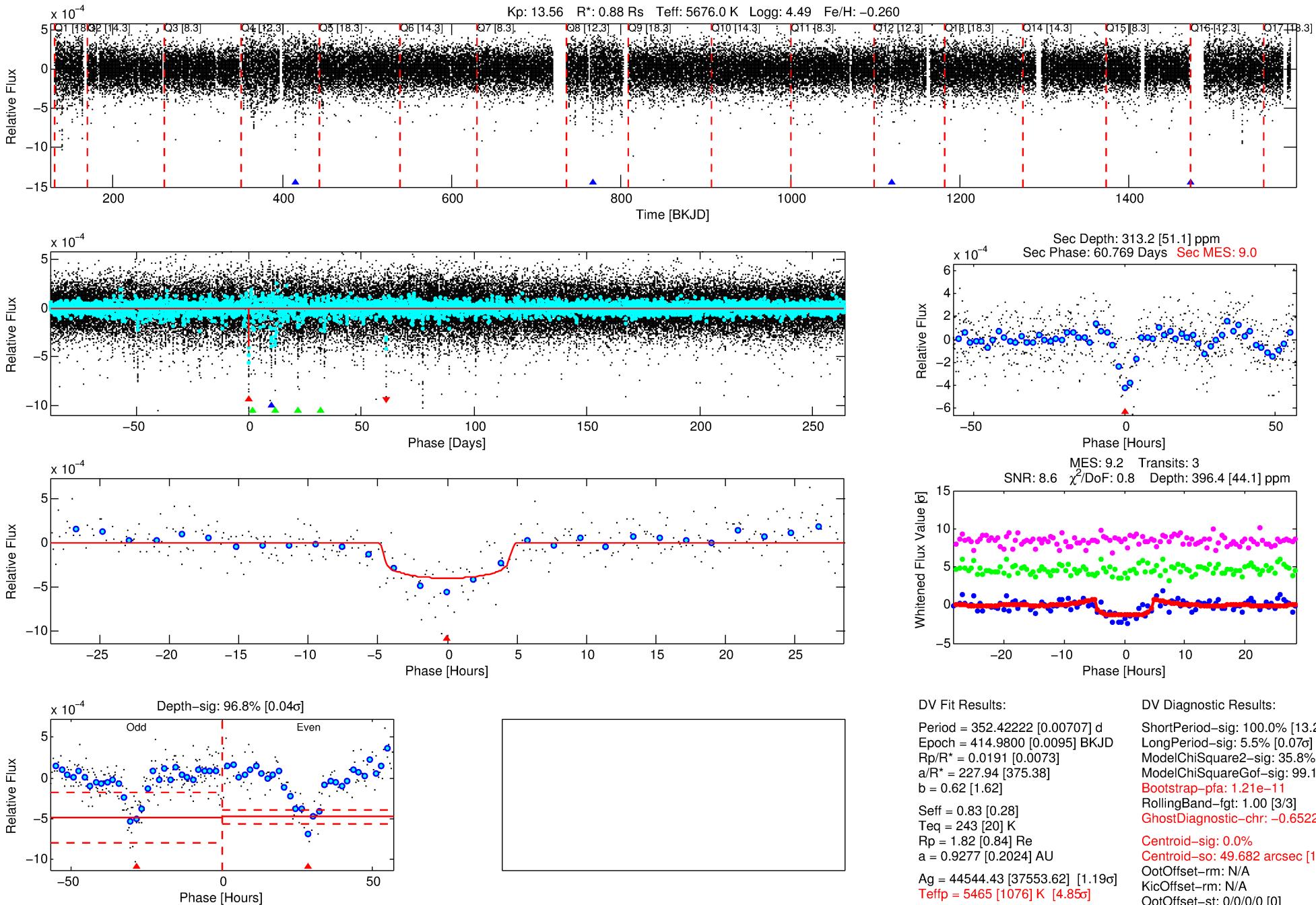


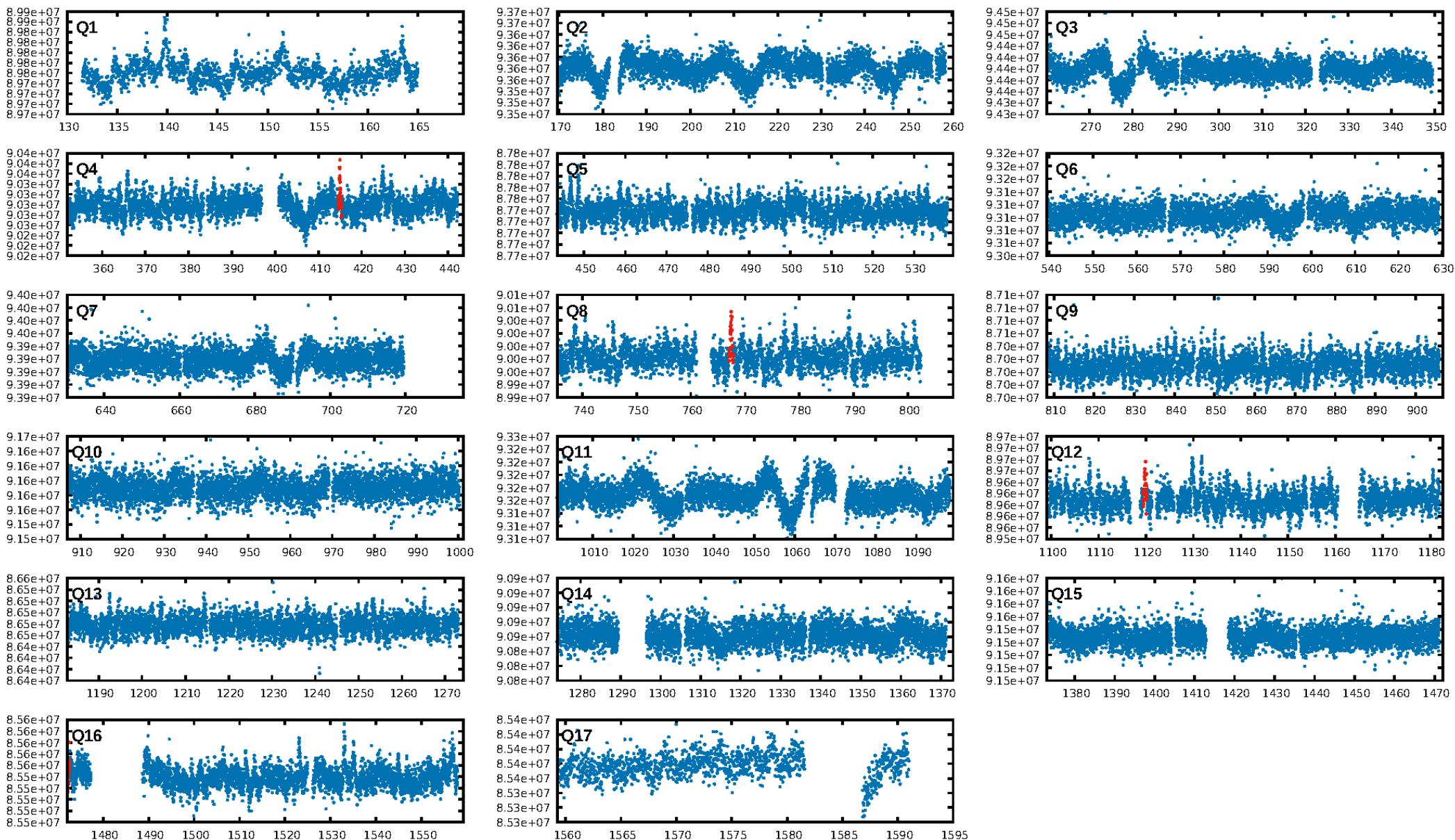
**WARNING: THIS DATA IS
SIMULATED, NOT OBSERVED**

DV One-Page Summary

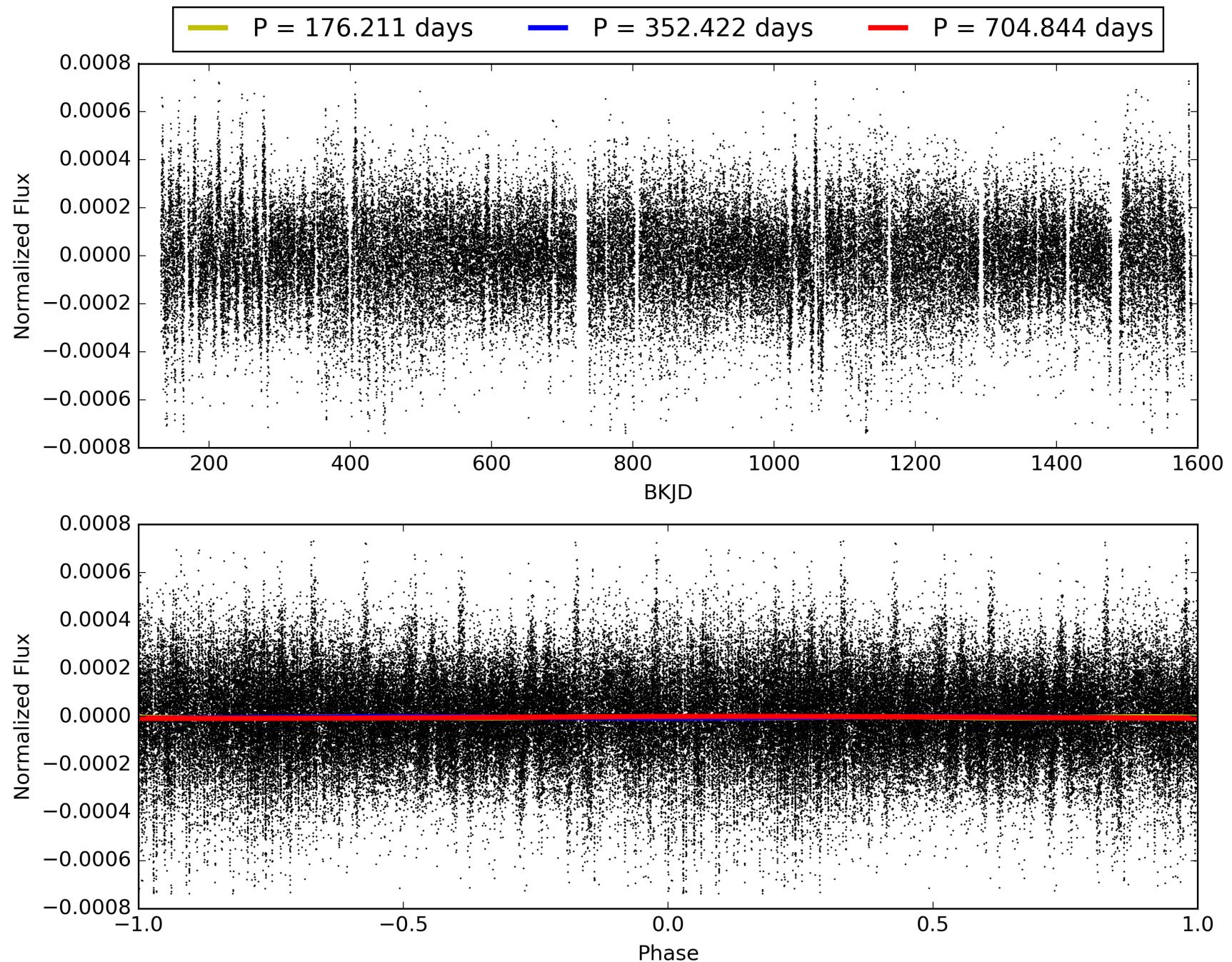
KIC: 9896456 Candidate: 1 of 3 Period: 352.422 d



TCE 009896456-01, PDC Light Curves

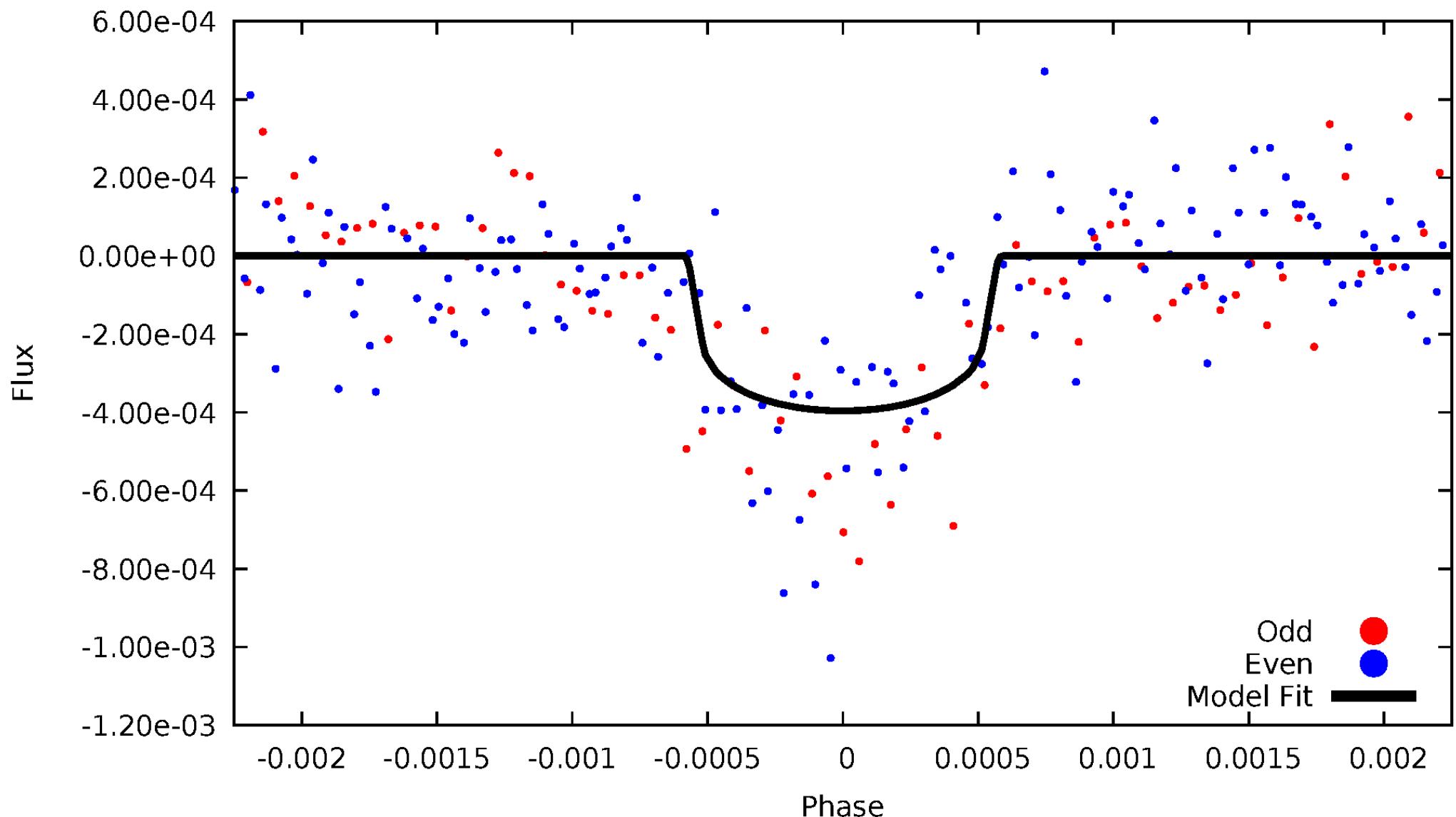


TCE 009896456-01



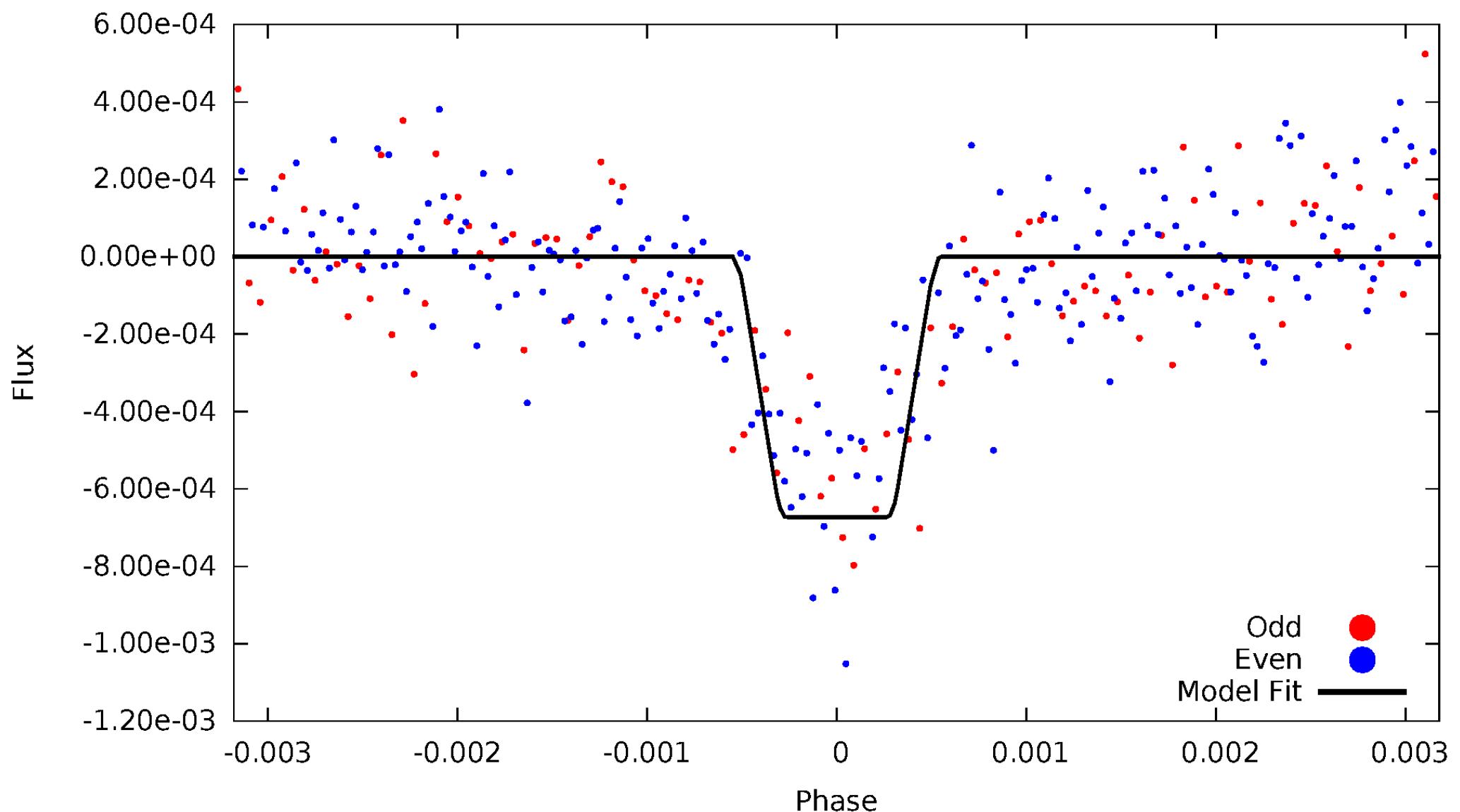
DV Odd/Even

TCE 009896456-01

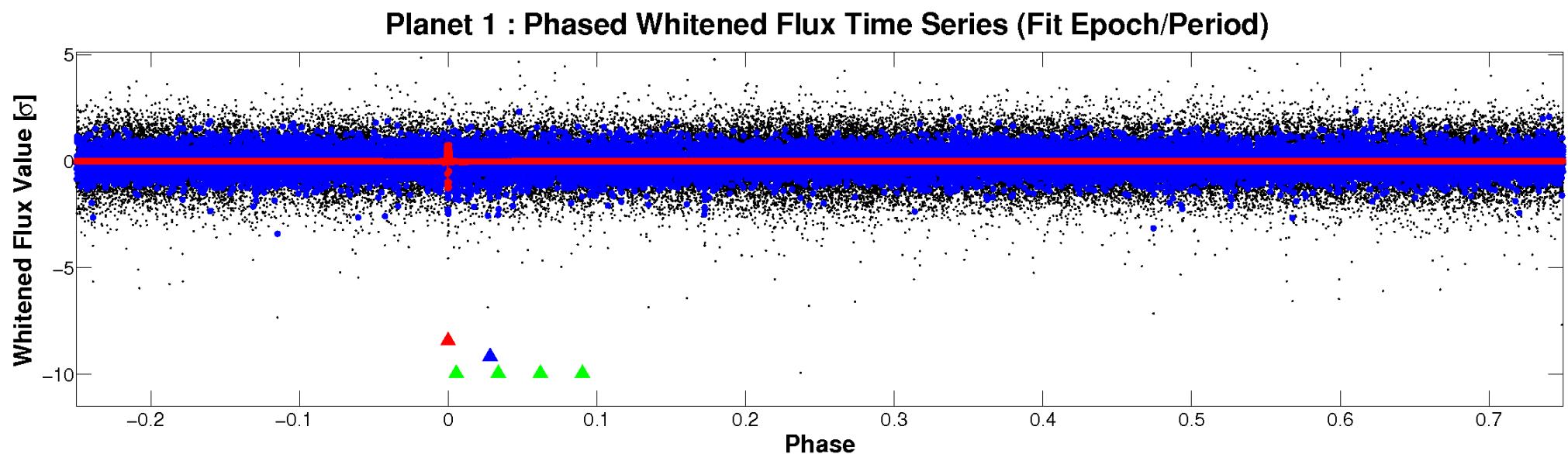
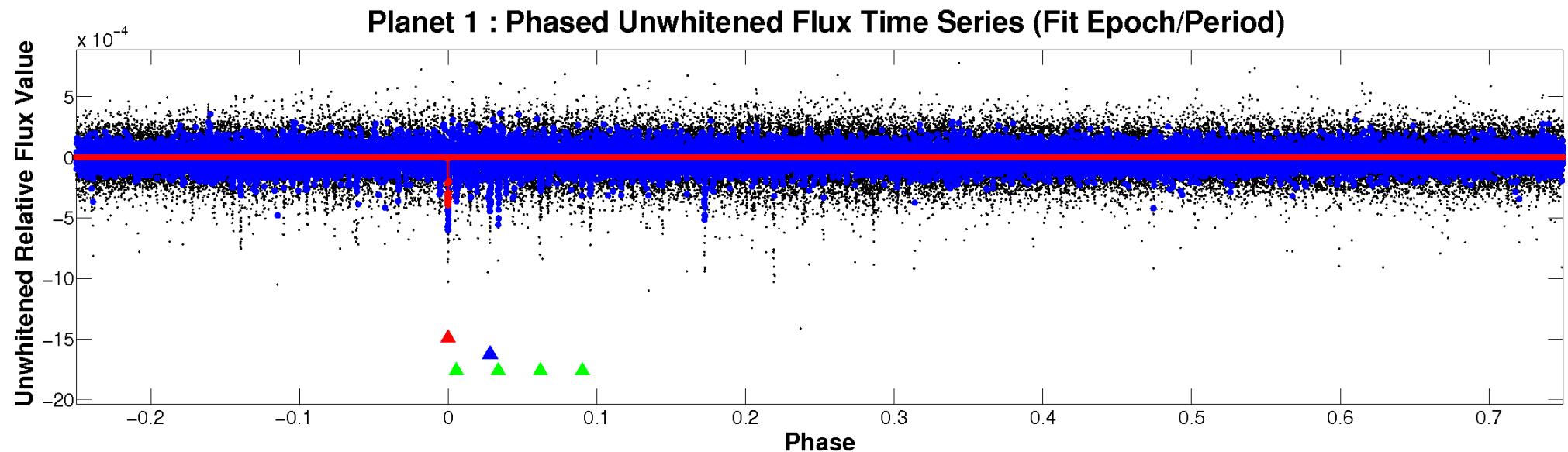


ALT Odd/Even

TCE 009896456-01

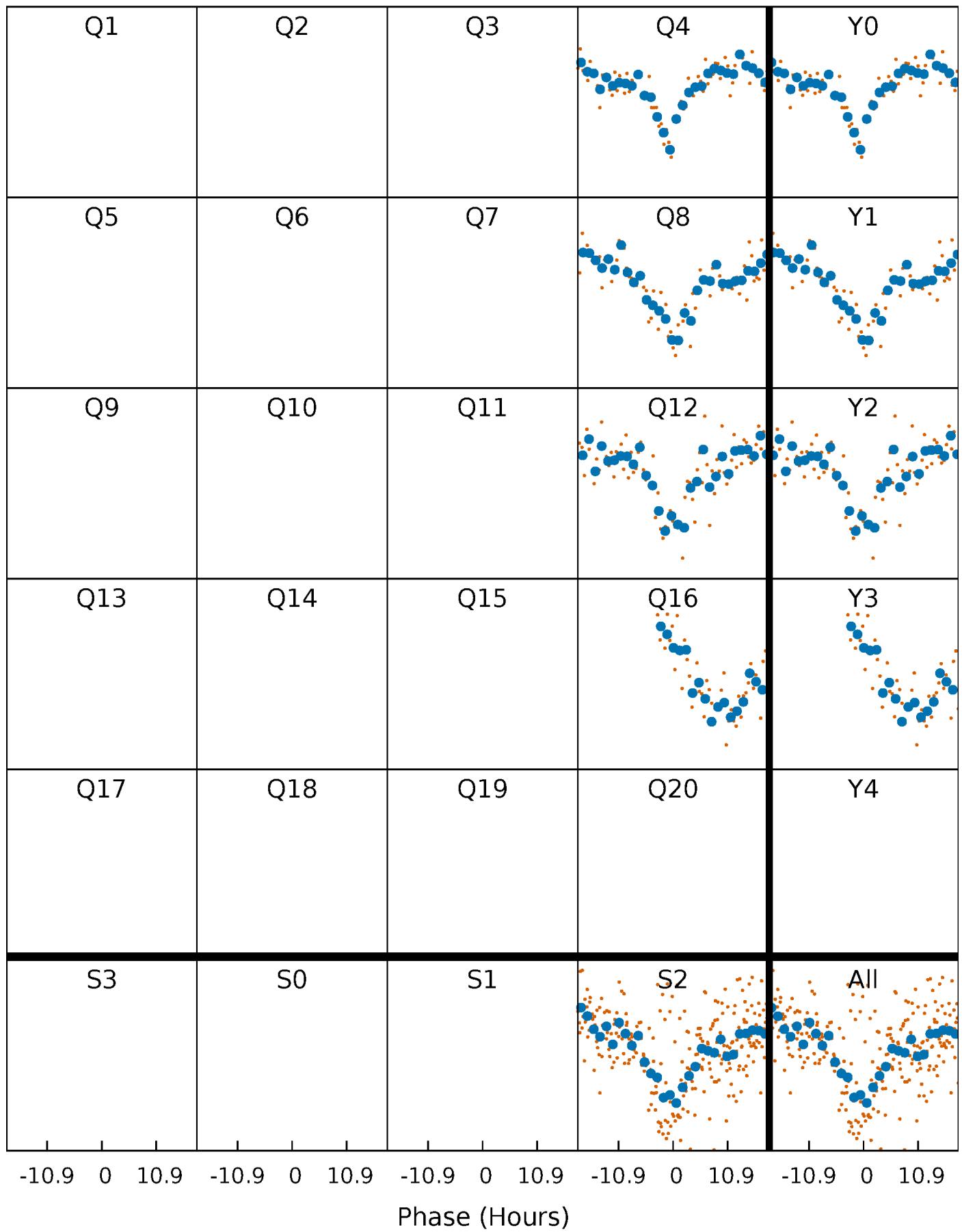


Non-Whitened Vs. Whitened Light Curve



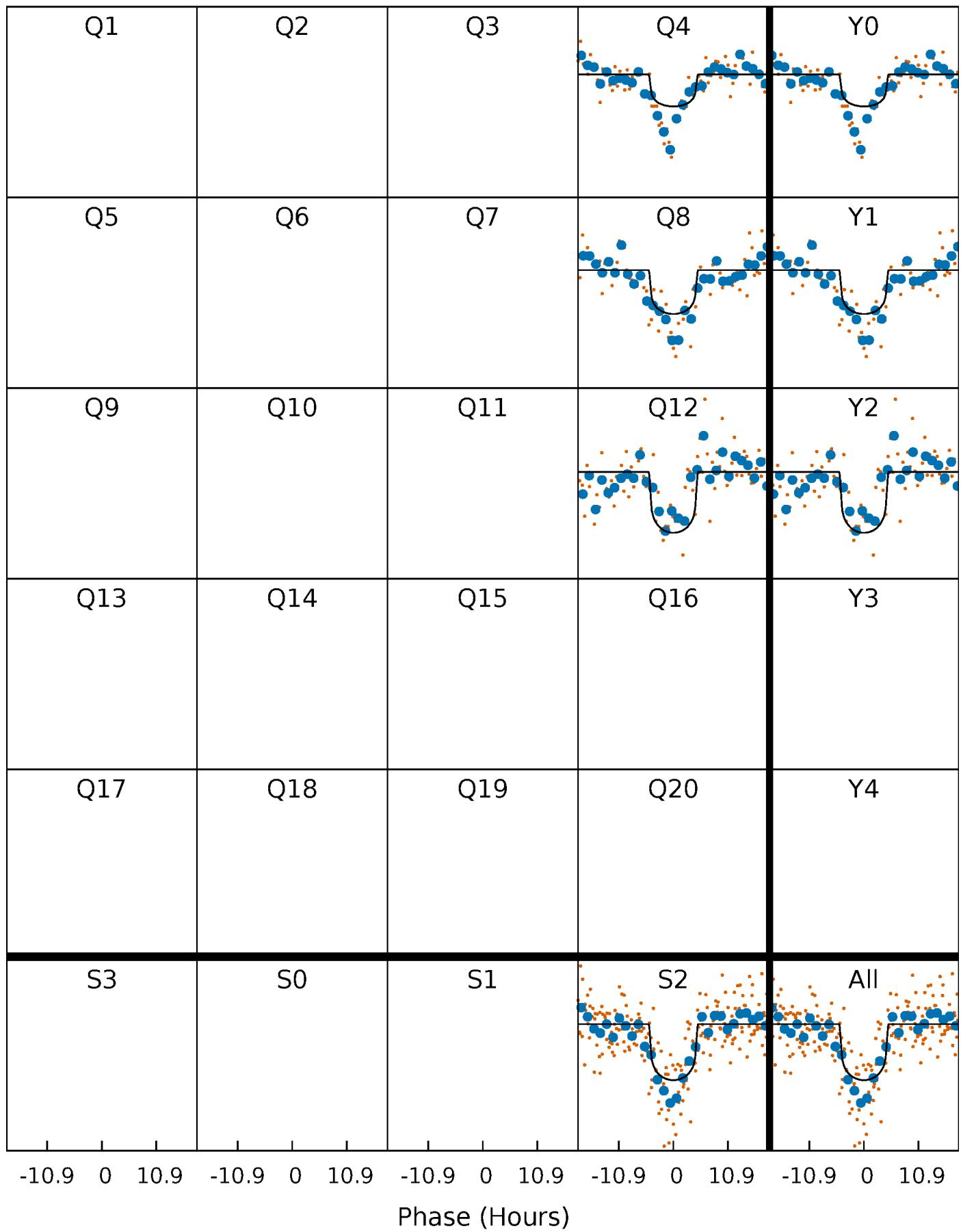
PDC Quarter-Phased Transit Curves

TCE 009896456-01 P=352.422219 Days $T_0=414.980044$ (BKJD)



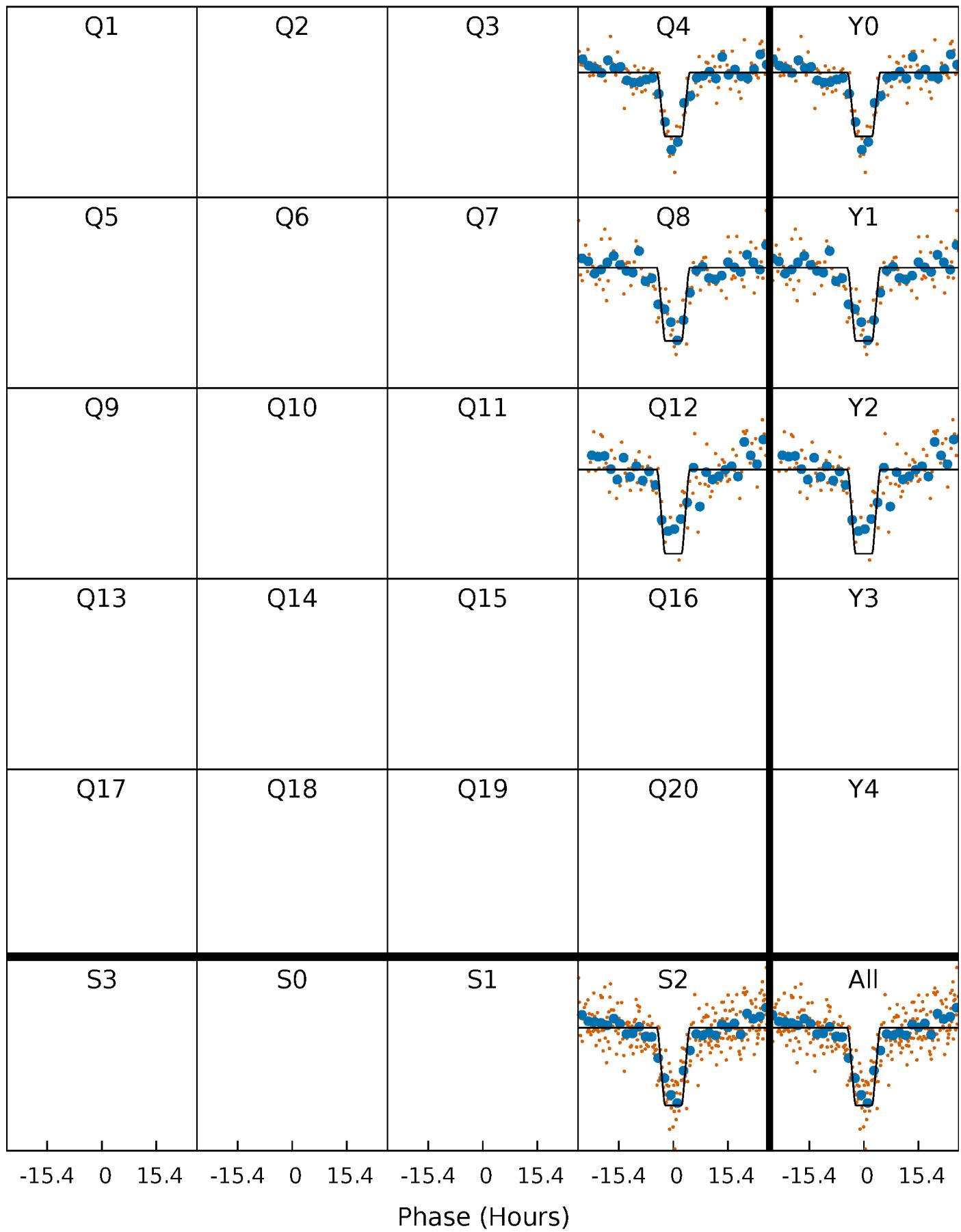
DV Quarter-Phased Transit Curves

TCE 009896456-01 P=352.422219 Days $T_0=414.980044$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

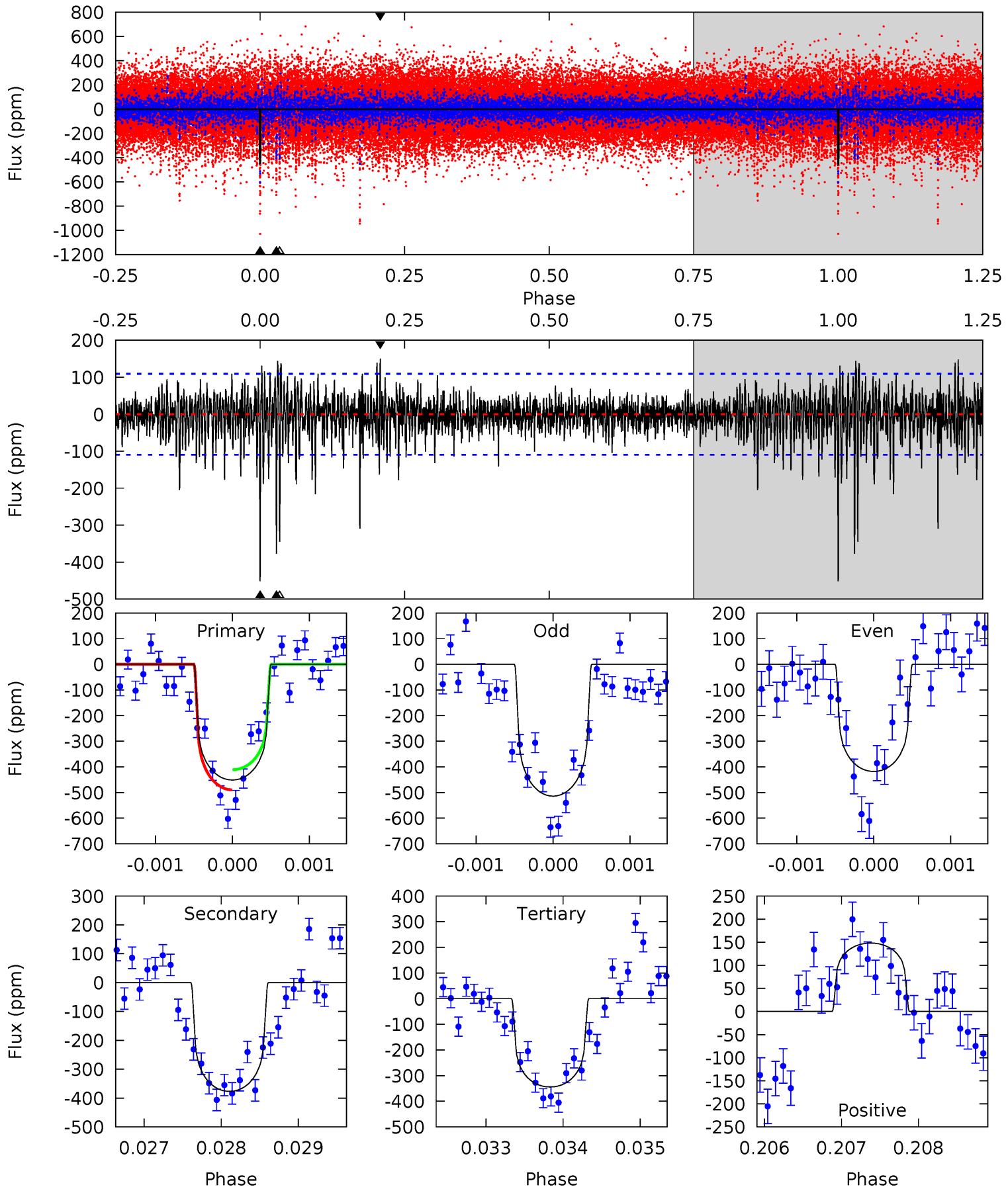
TCE 009896456-01 P=352.444854 Days $T_0=414.946959$ (BKJD)



DV Model-Shift Uniqueness Test

009896456-01, $P = 352.422219$ Days, $E = 62.557825$ Days

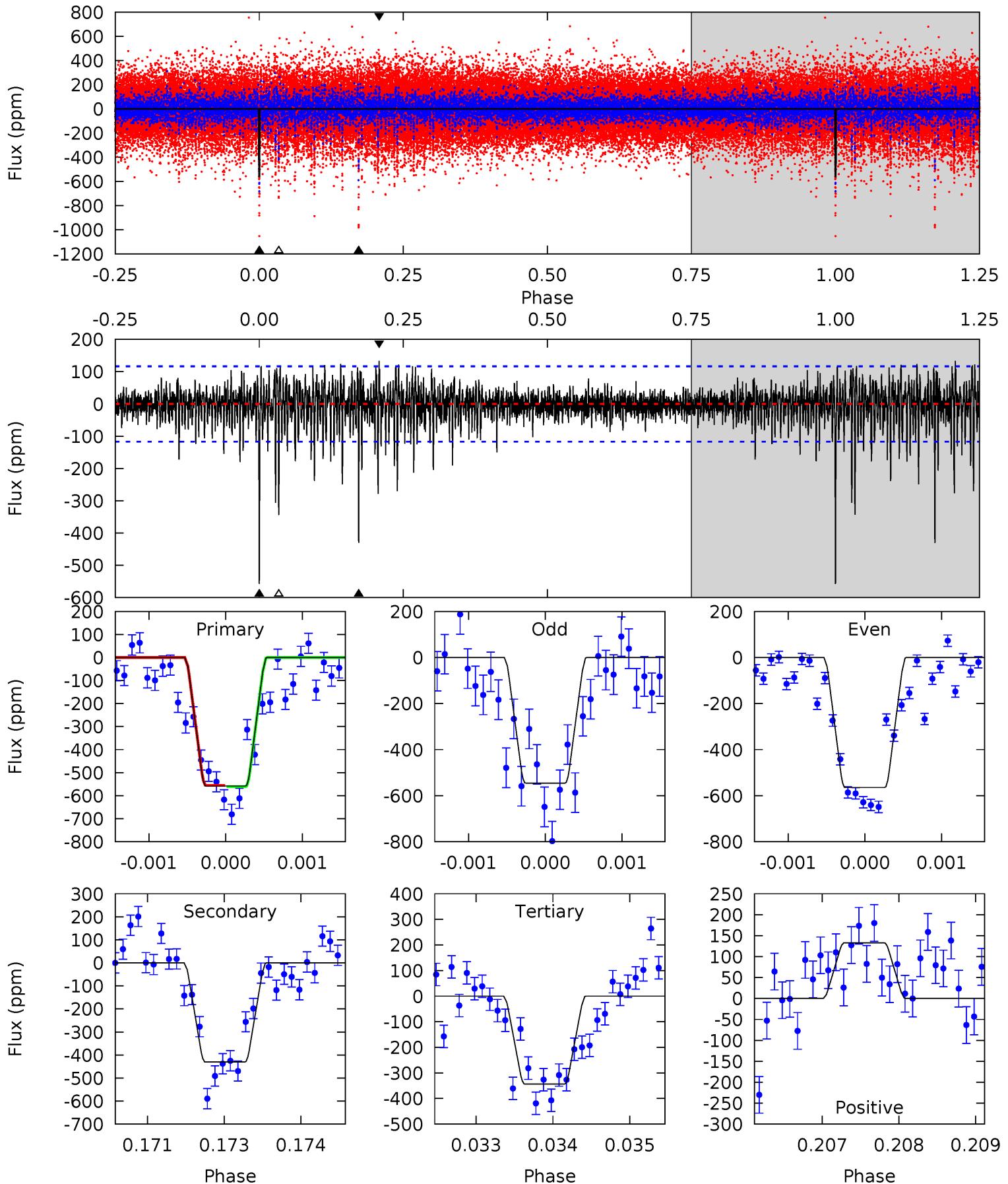
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
22.3	18.7	17.1	7.34	5.42	3.25	2.09	5.29	15.0	1.61	11.3	2.26	0.89	0.25	1.95



Alt Model-Shift Uniqueness Test

009896456-01, $P = 352.444854$ Days, $E = 62.502105$ Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
26.0	20.1	16.0	6.20	5.45	3.28	2.15	10.0	19.8	4.06	13.9	0.42	1.03	0.19	0.14



Stellar Parameters For KIC 009896456

	T _{eff} (K)	log(g)	[Fe/H]	R (R _⊕)	M(M _⊕)	p _★ (g·cm ⁻³)
	5676 ⁺¹⁵² ₋₁₅₂	4.486 ^{+0.075} _{-0.175}	-0.260 ^{+0.300} _{-0.300}	0.876 ^{+0.226} _{-0.097}	0.857 ^{+0.115} _{-0.080}	1.794 ^{+0.575} _{-0.813}
	+3%/-3%	+2%/-4%	+115%/-115%	+26%/-11%	+13%/-9%	+32%/-45%
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 009896456-01 / KOI

Detrend	Depth (ppm)	R _p (R _⊕)	T _{max} (K)	T _{obs} (K)	A _{obs}
DV	-377±20	1.84 ^{+0.78} _{-0.74}	344 ⁺²² ₋₁₇	5787 ⁺¹⁷⁶³ ₋₈₁₇	53257 ⁺⁹²⁸⁰⁹ ₋₂₆₉₃₉
Alt.	-430±21	2.57 ^{+0.84} _{-0.75}	344 ⁺²² ₋₁₅	5114 ⁺⁸⁹² ₋₅₀₁	30341 ⁺³⁰⁸⁹² ₋₁₂₆₅₂

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} ≫ T_{max} AND A_{obs} ≫ 1.0

DV Centroid Data

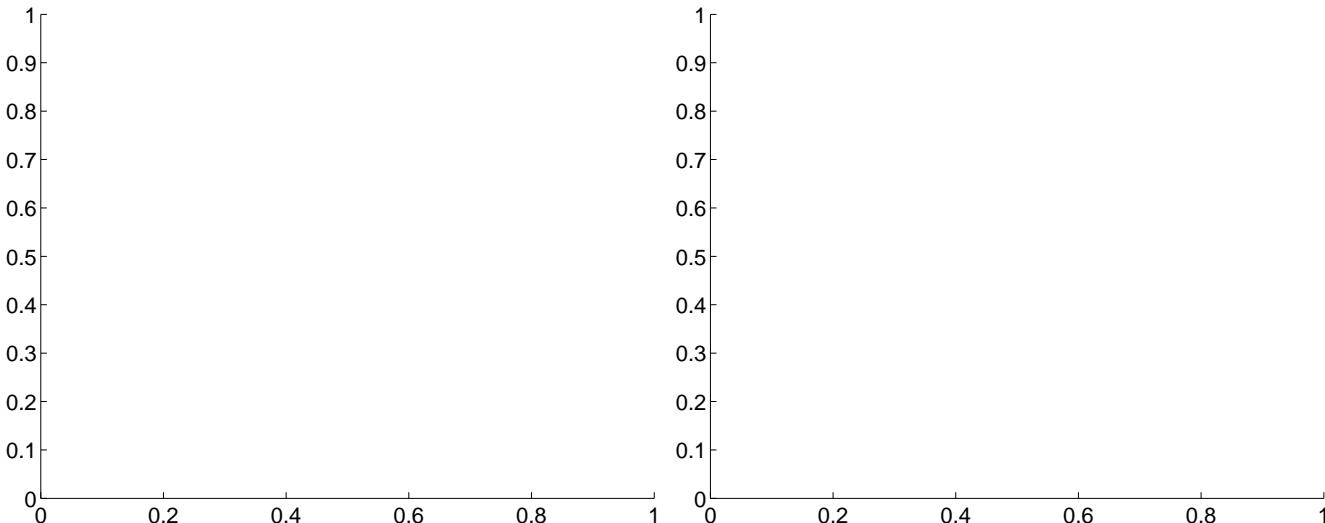
Supplemental centroid analysis for 009896456-01. Kepler magnitude: 13.56. Transit SNR 8.65

There are 0 quarters with good PRF difference image offsets

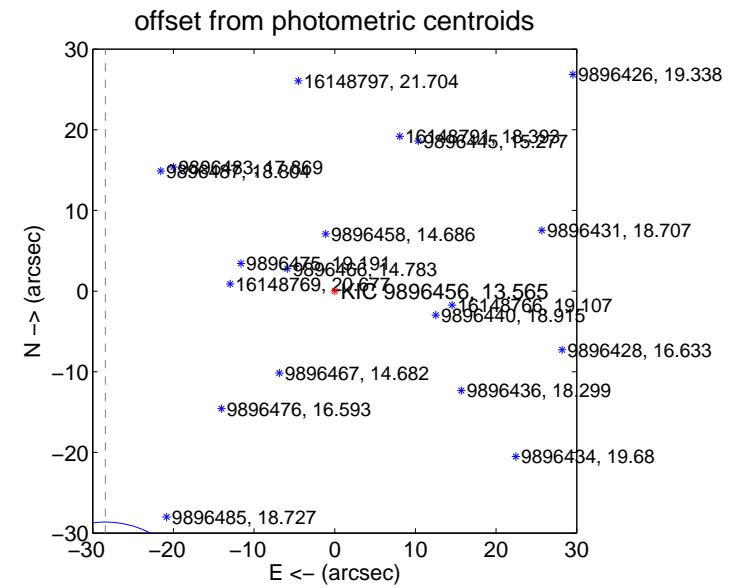
The direct PRF centroid is offset from the target star catalog position by about NaN arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	—	—	—	—
PRF-fit source offset from KIC position	—	—	—	—
photometric centroid source offset	49.69 ± 4.04	12.31	28.44 ± 2.70	-40.74 ± 4.55

There is no PRF-fit offset from OOT-fit



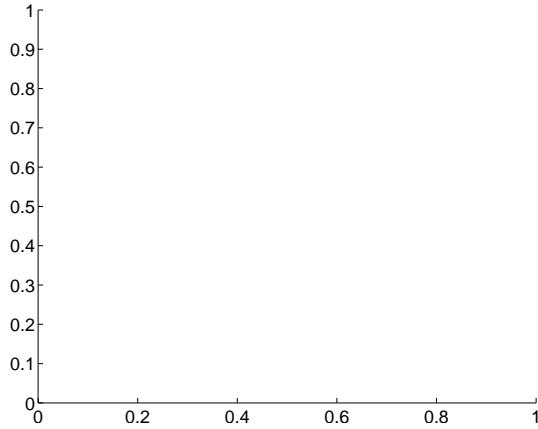
There is no PRF-fit offset from KIC



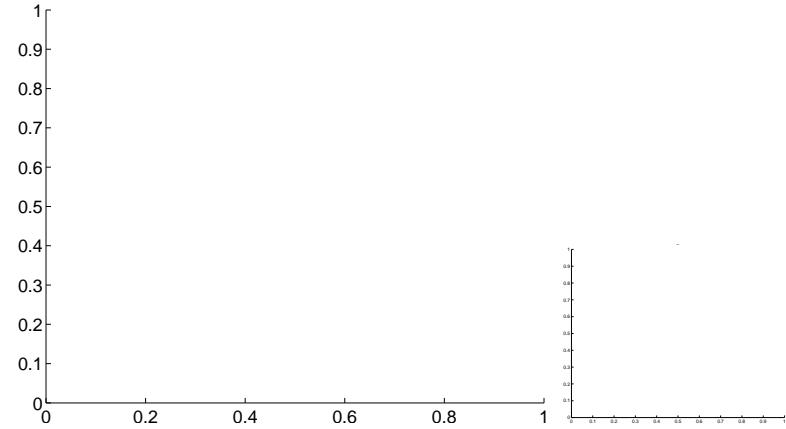
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

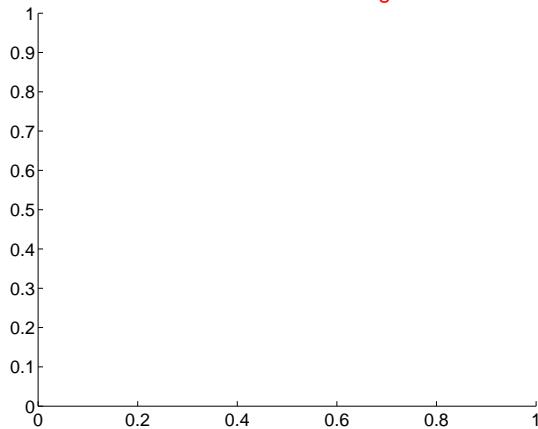
Q1 no difference image



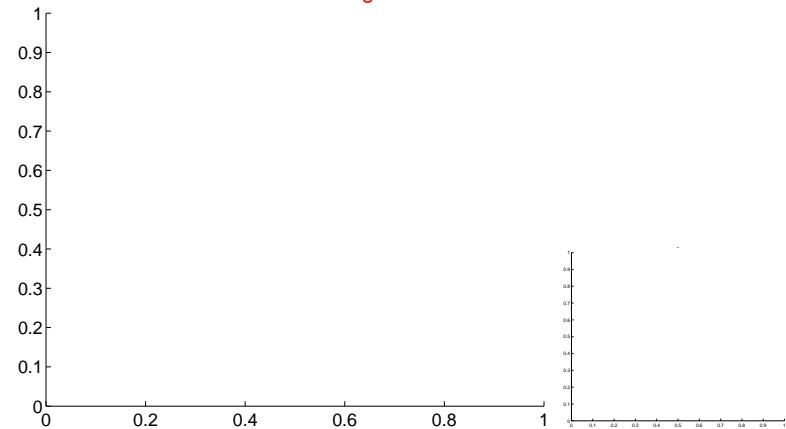
Q1 no OOT image



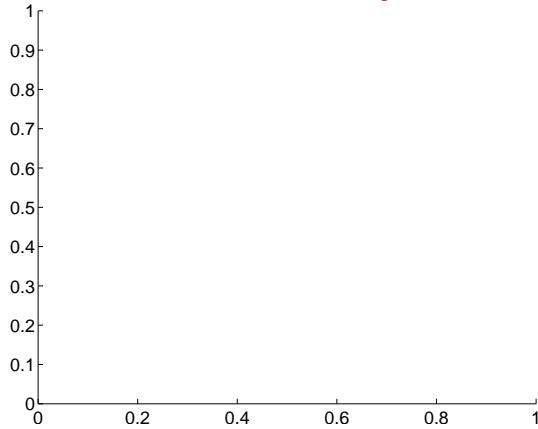
Q2 no difference image



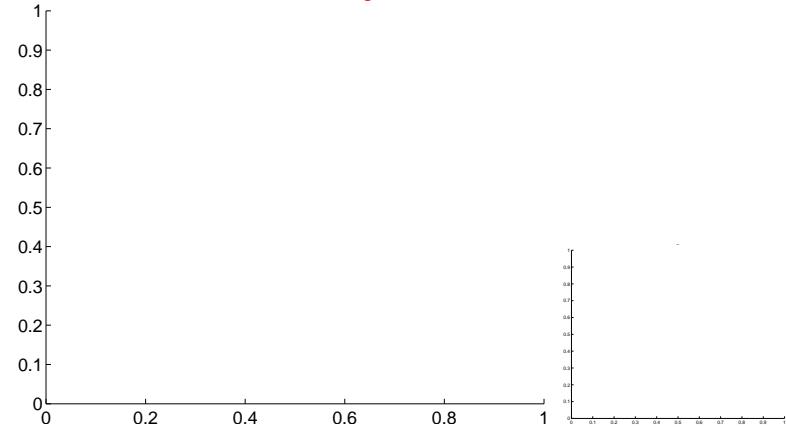
Q2 no OOT image



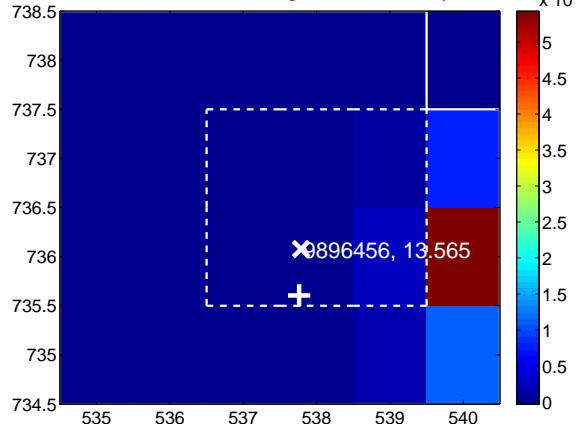
Q3 no difference image



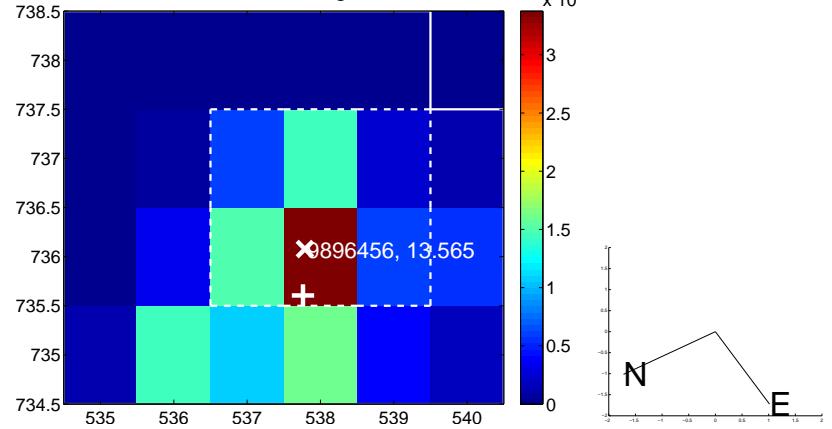
Q3 no OOT image



Q4 difference image. Poor Quality

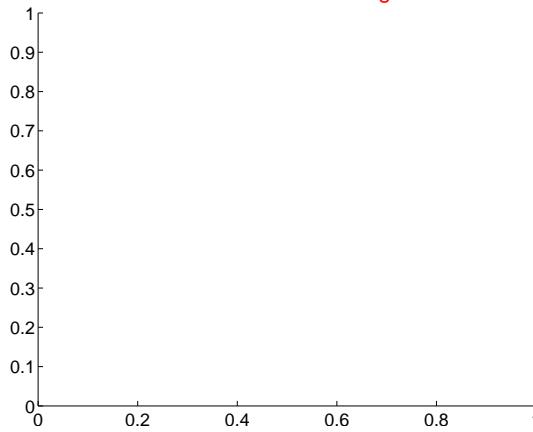


Q4 OOT image

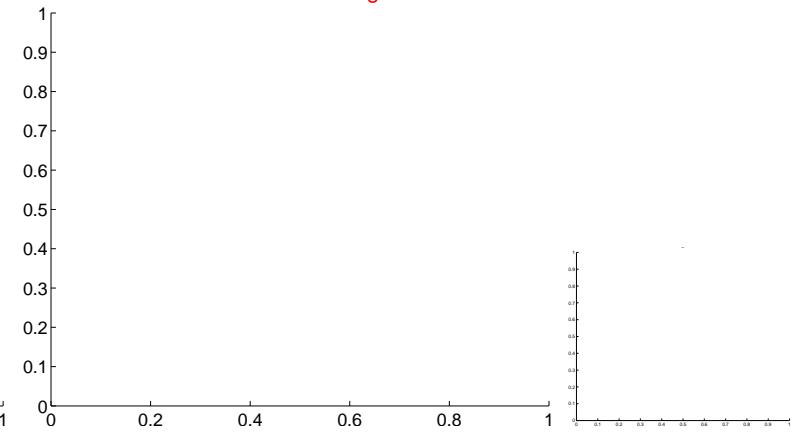


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red X : large negative pixel value.

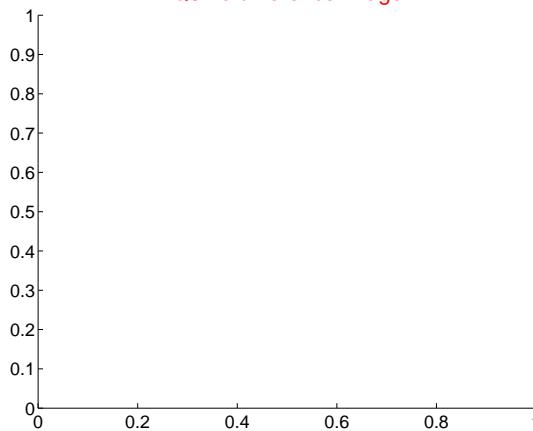
Q5 no difference image



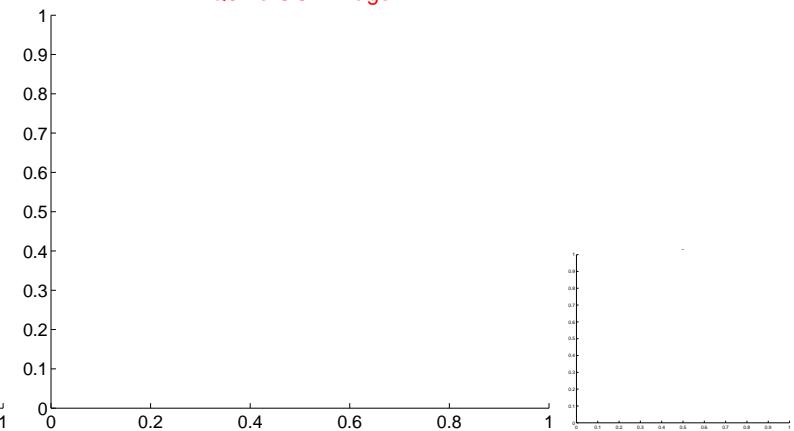
Q5 no OOT image



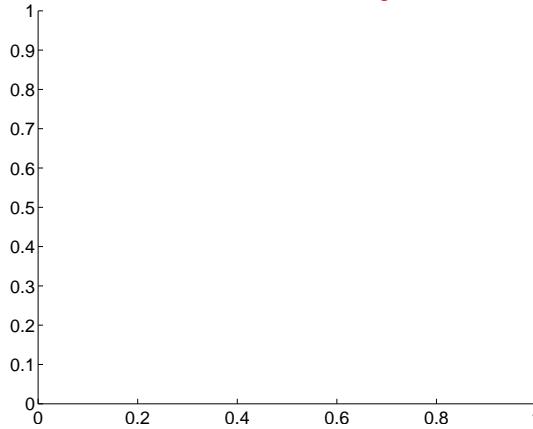
Q6 no difference image



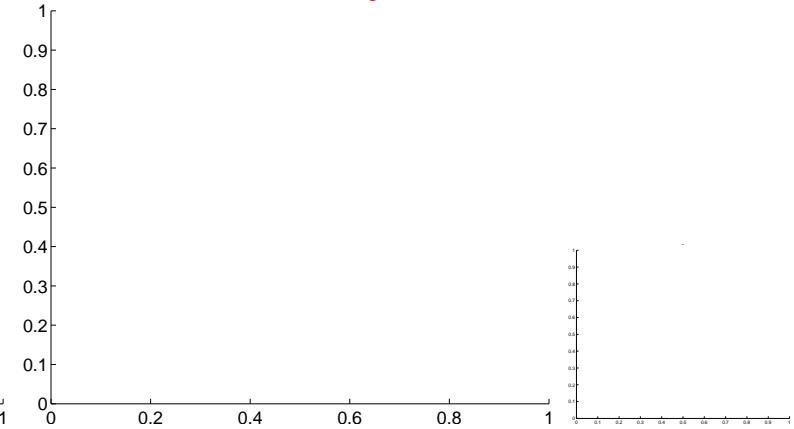
Q6 no OOT image



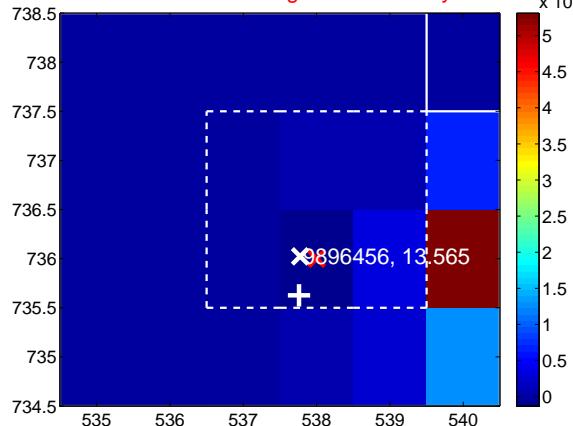
Q7 no difference image



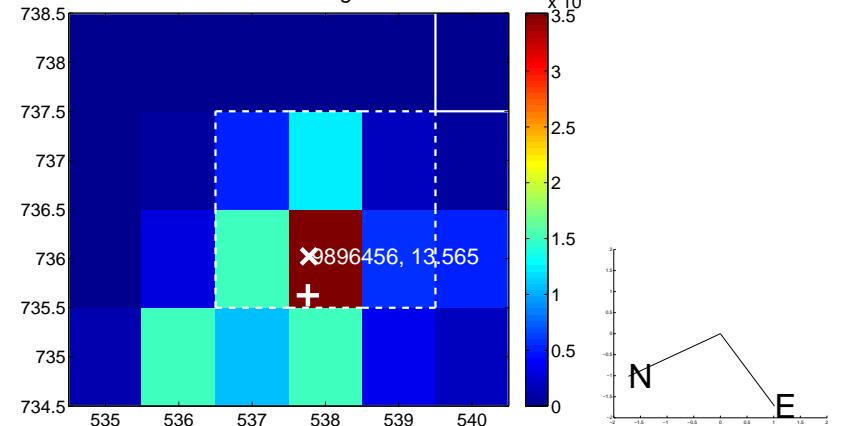
Q7 no OOT image



Q8 difference image. Poor Quality

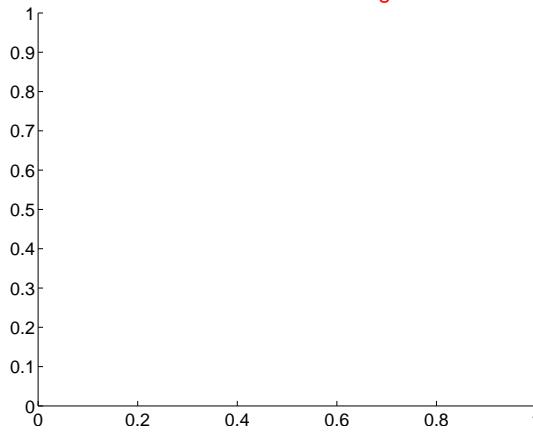


Q8 OOT image

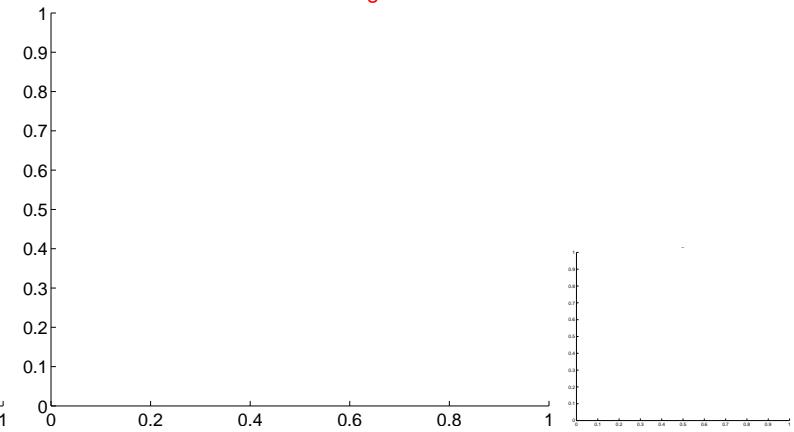


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red X : large negative pixel value.

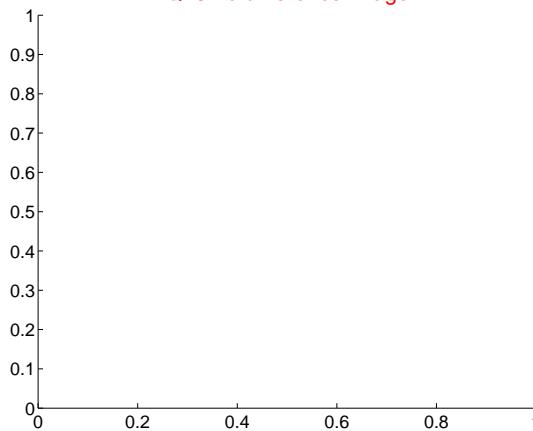
Q9 no difference image



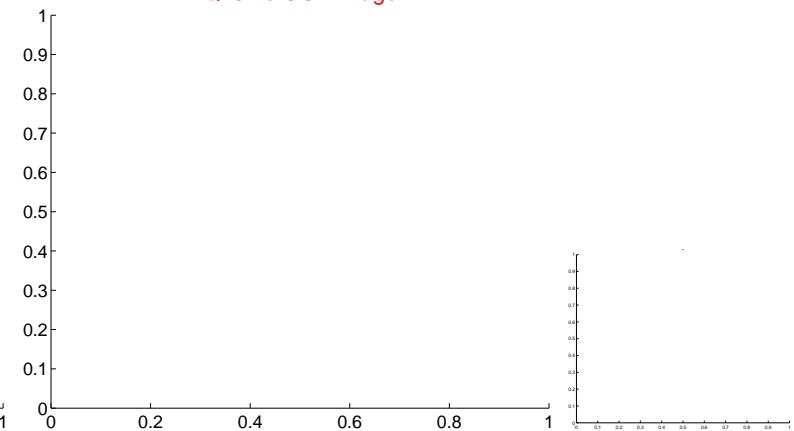
Q9 no OOT image



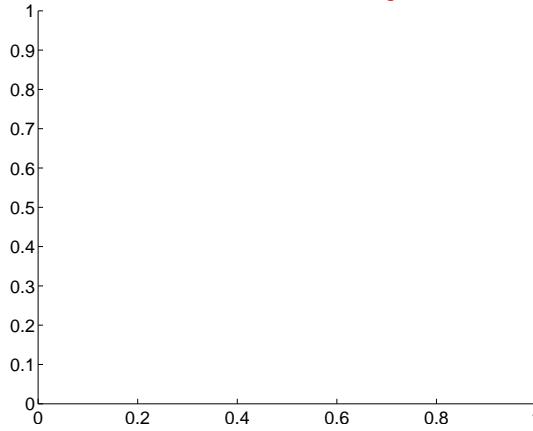
Q10 no difference image



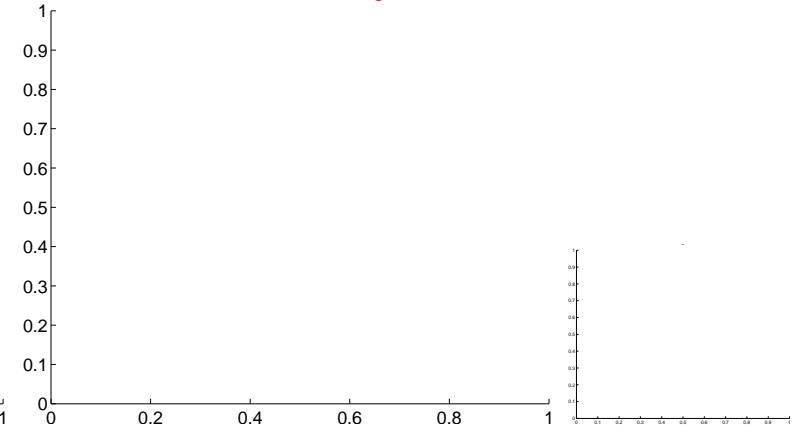
Q10 no OOT image



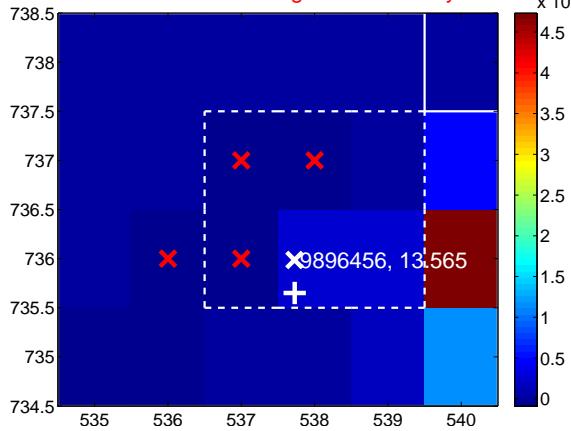
Q11 no difference image



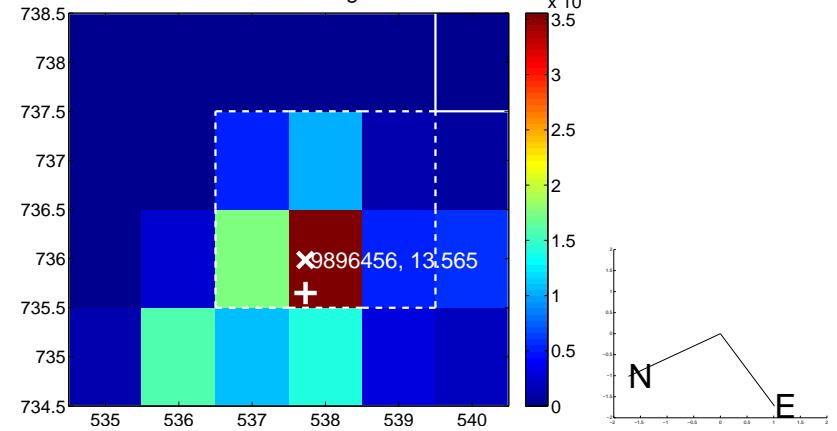
Q11 no OOT image



Q12 difference image. Poor Quality

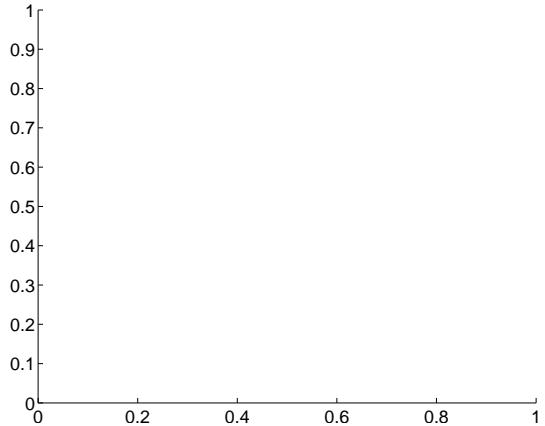


Q12 OOT image

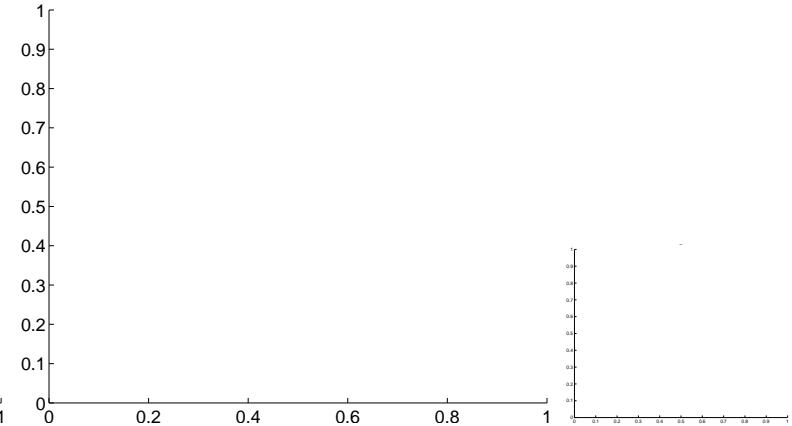


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

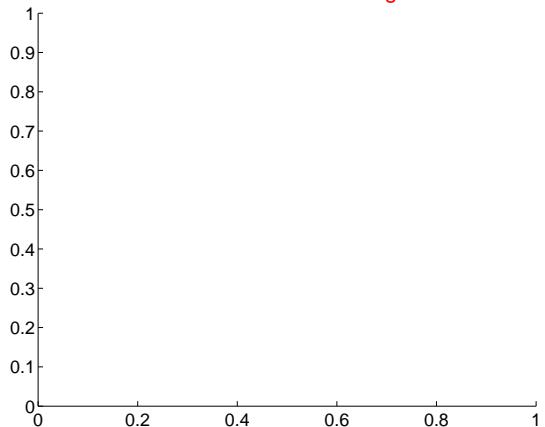
Q13 no difference image



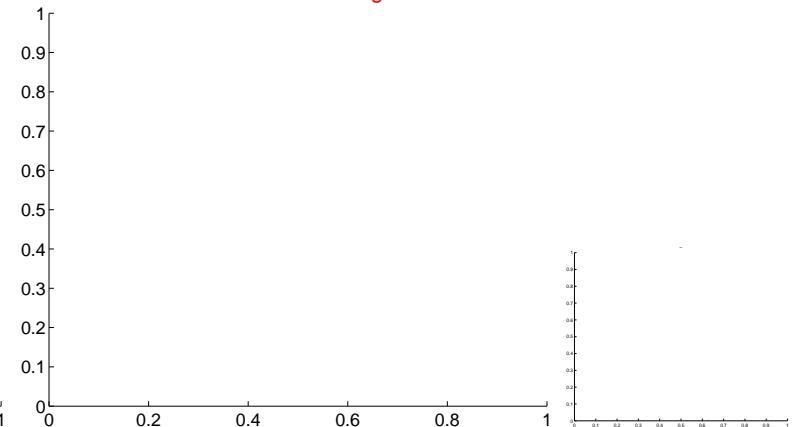
Q13 no OOT image



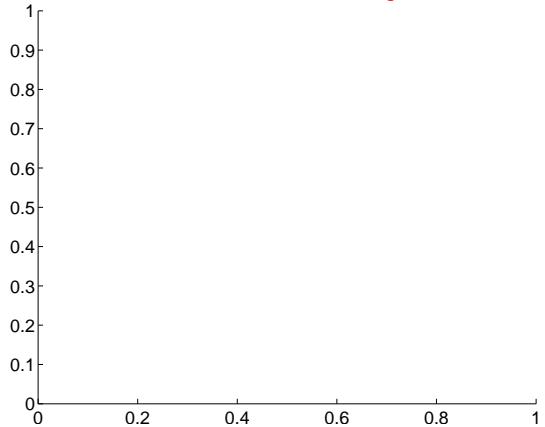
Q14 no difference image



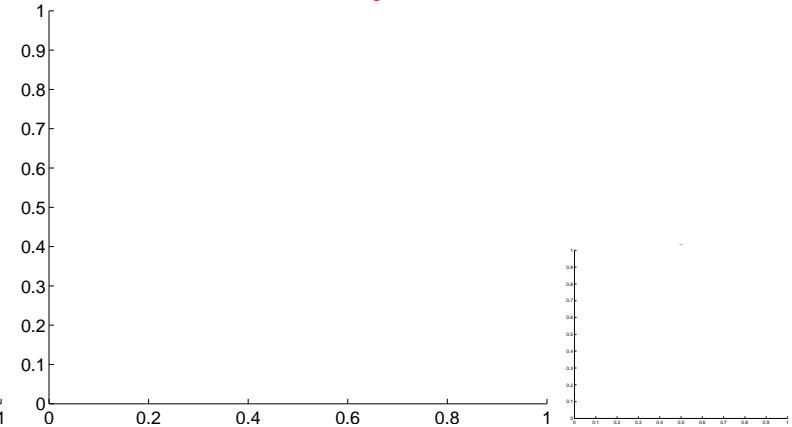
Q14 no OOT image



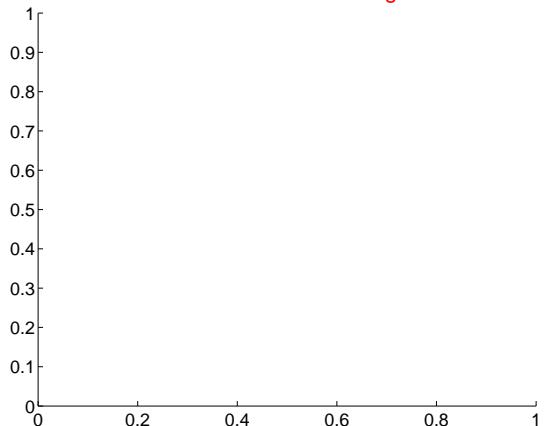
Q15 no difference image



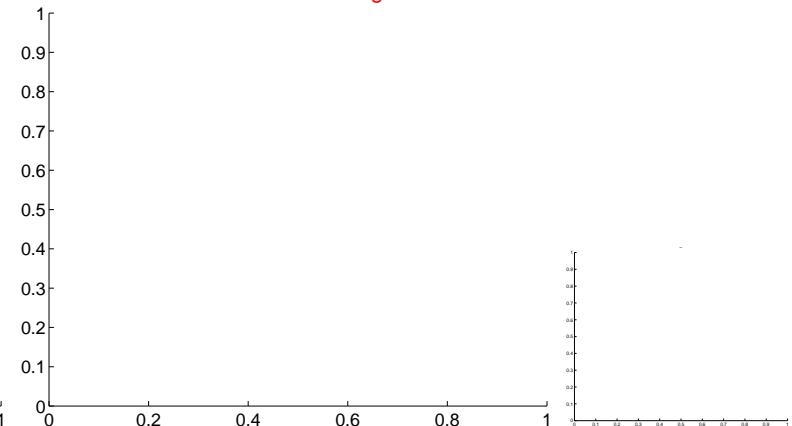
Q15 no OOT image



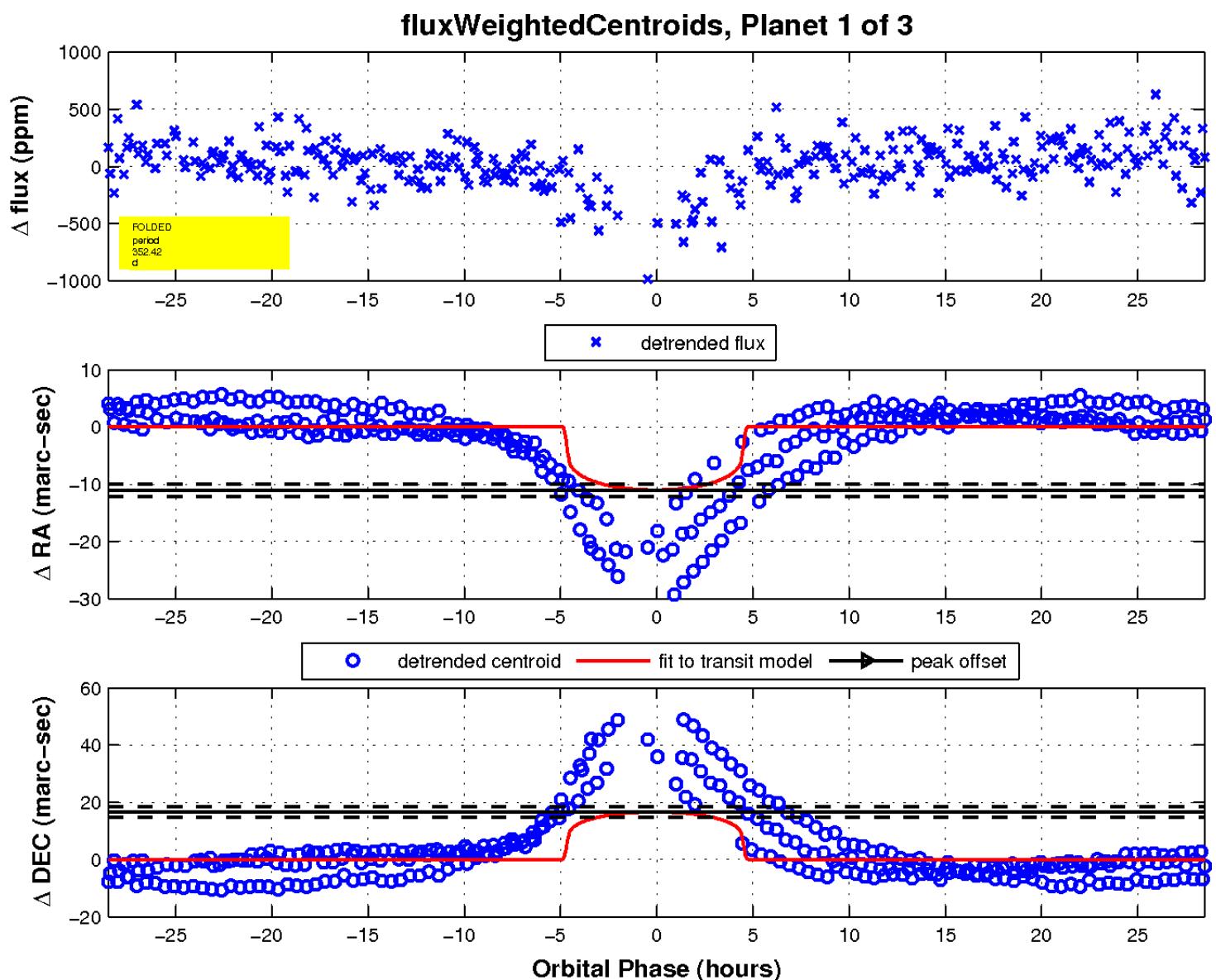
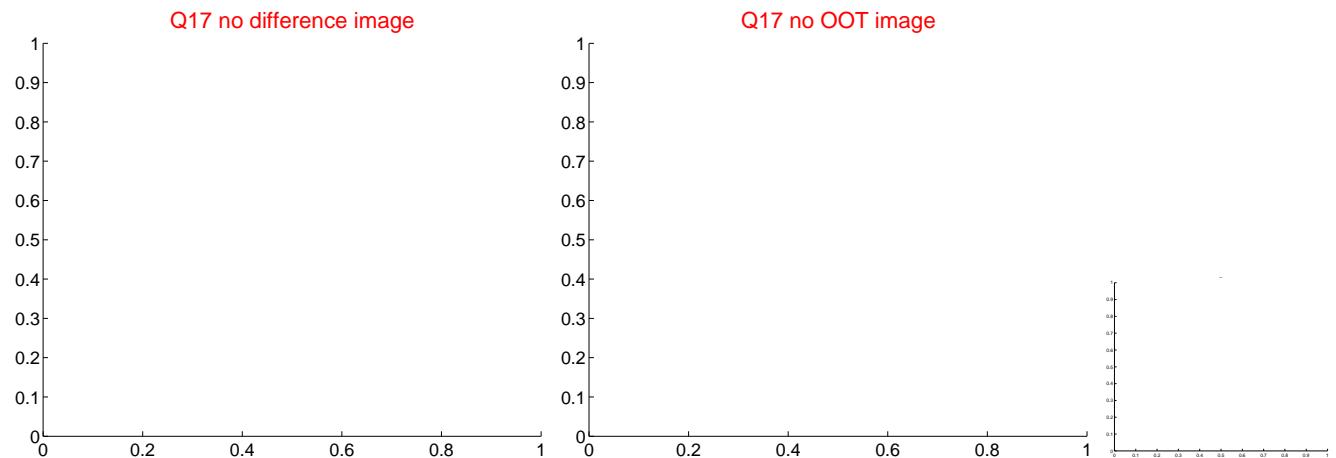
Q16 no difference image



Q16 no OOT image

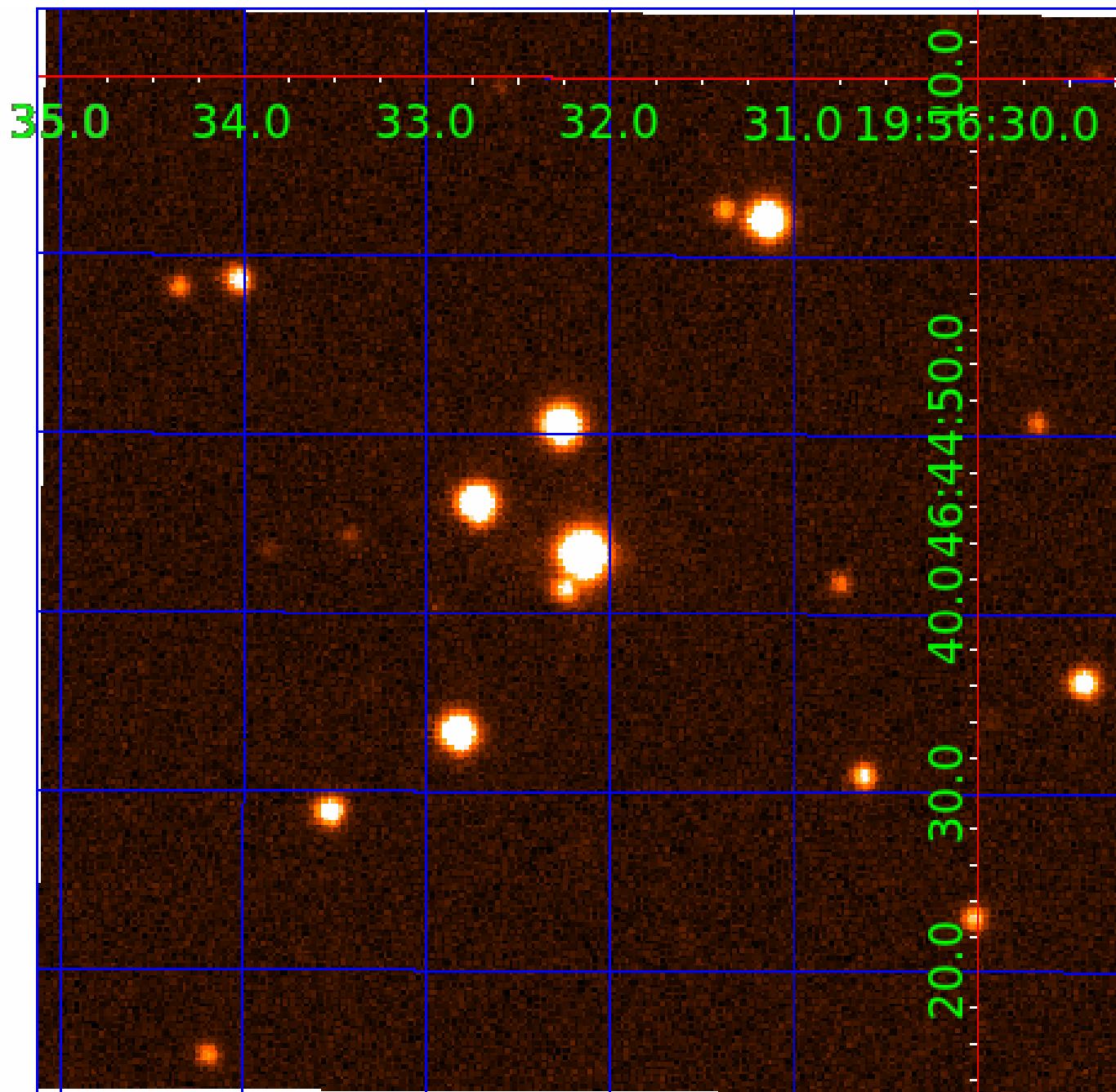


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 009896456

Q1-17 DR25 TCE Parameters

TCE	Run Type	KOI?	Period (Days)	Epoch (BKJD)	Depth (ppm)	Duration (Hours)	MES	SNR	R_* (R_{\odot})	T_* (K)	R_p (R_{\oplus})	S_p (S_{\oplus})
009896456-01	INV	No	352.422219	414.980044	396.4	9.512	9.2	8.6	0.88	5676	1.82	0.83
009896456-02	INV	No	352.474774	424.848789	327.8	15.484	7.7	7.6	0.88	5676	1.69	0.83
009896456-03	INV	No	342.451574	446.812562	278.2	15.341	8.1	7.1	0.88	5676	1.51	0.86

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
009896456-01	INV	FP	0.00	1	0	0	0	INDIV_TRANS_SKYE—CENT_FEW_DIFFS
009896456-02	INV	FP	0.00	1	0	0	0	MOD_NONUNIQ_ALT—SAME_NTL_PERIOD—CENT_FEW_DIFFS
009896456-03	INV	PC	0.08	0	0	0	0	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 009896456-02

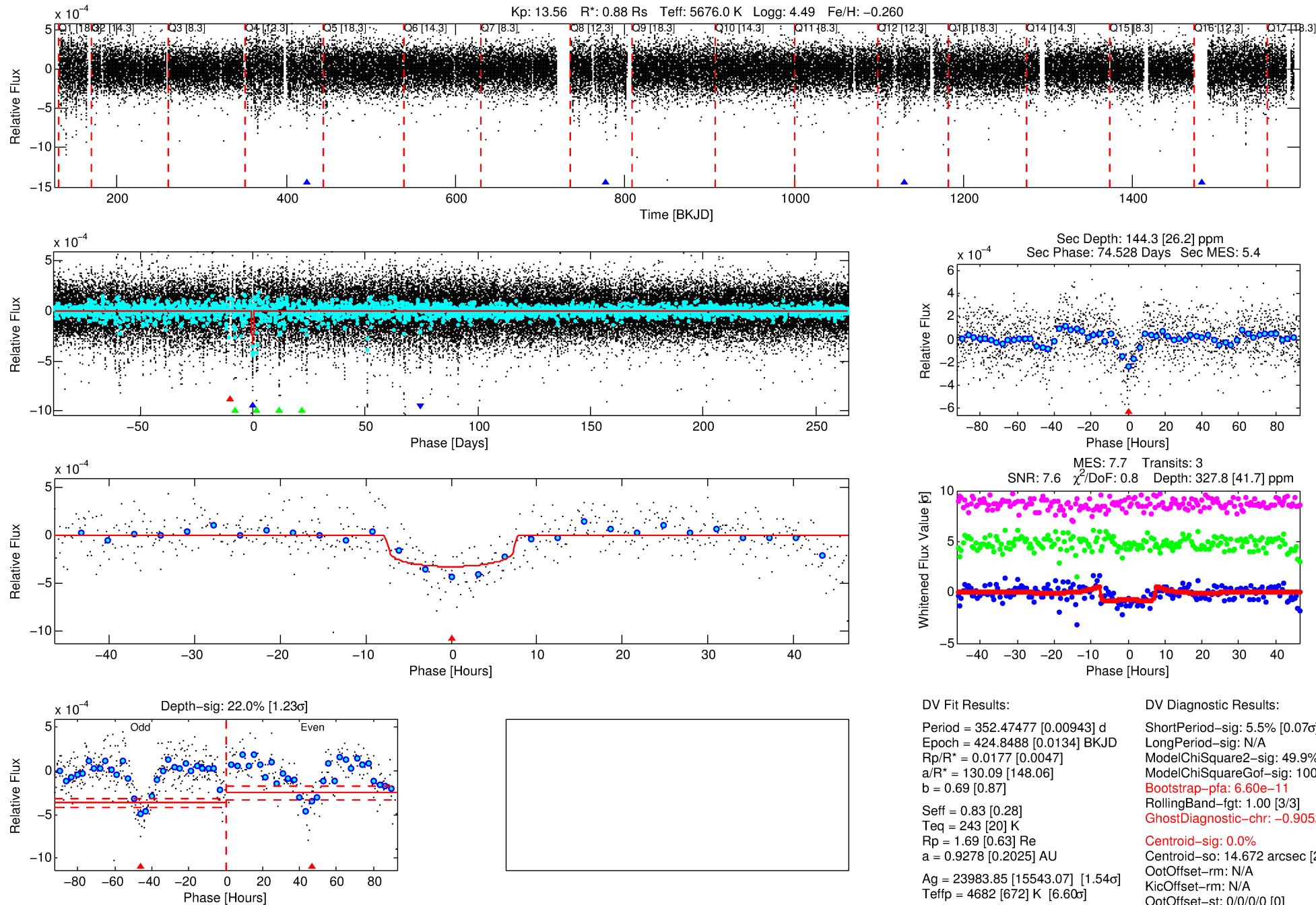
No Significant Match Found

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

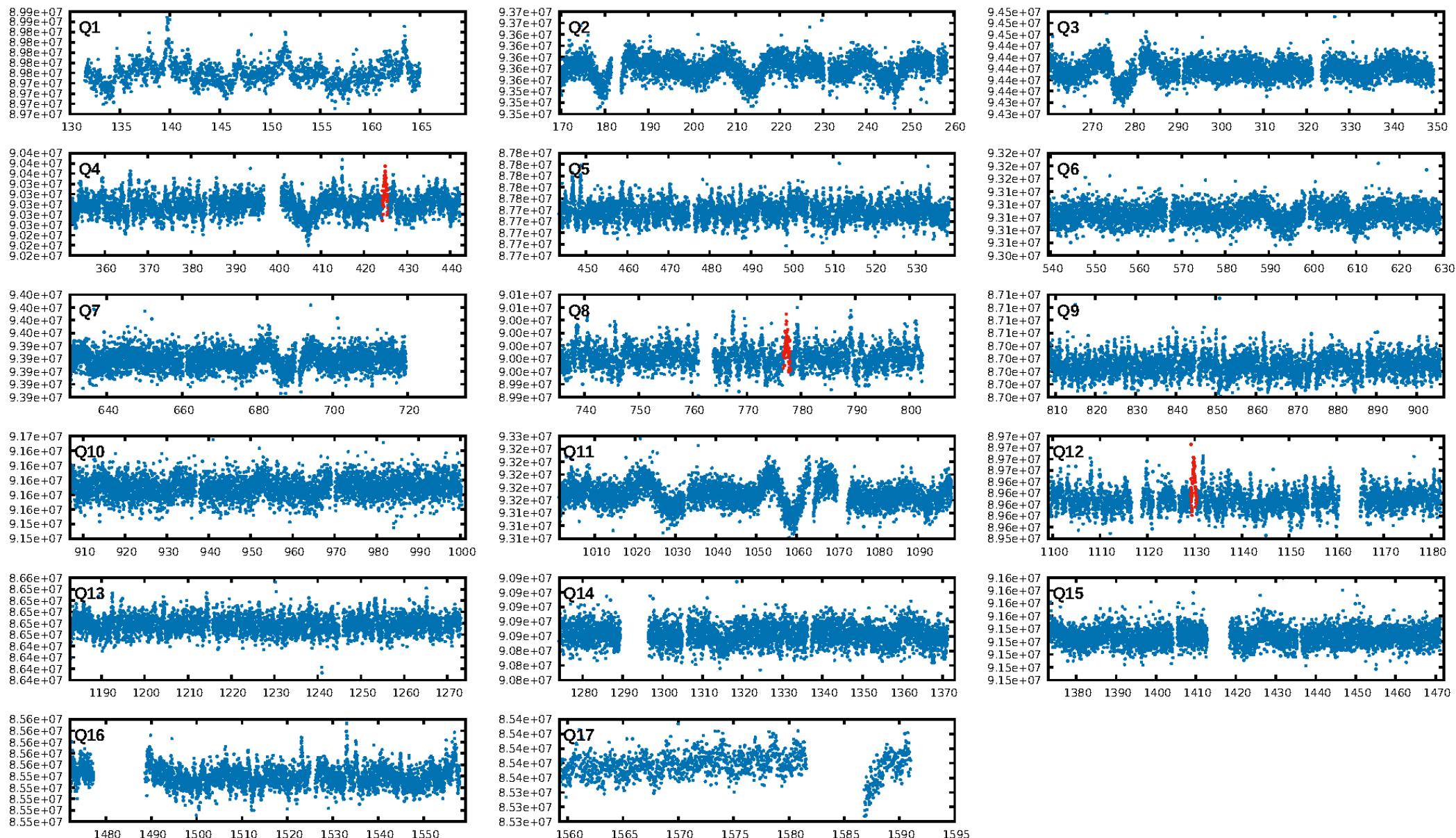
DV One-Page Summary

KIC: 9896456 Candidate: 2 of 3 Period: 352.475 d

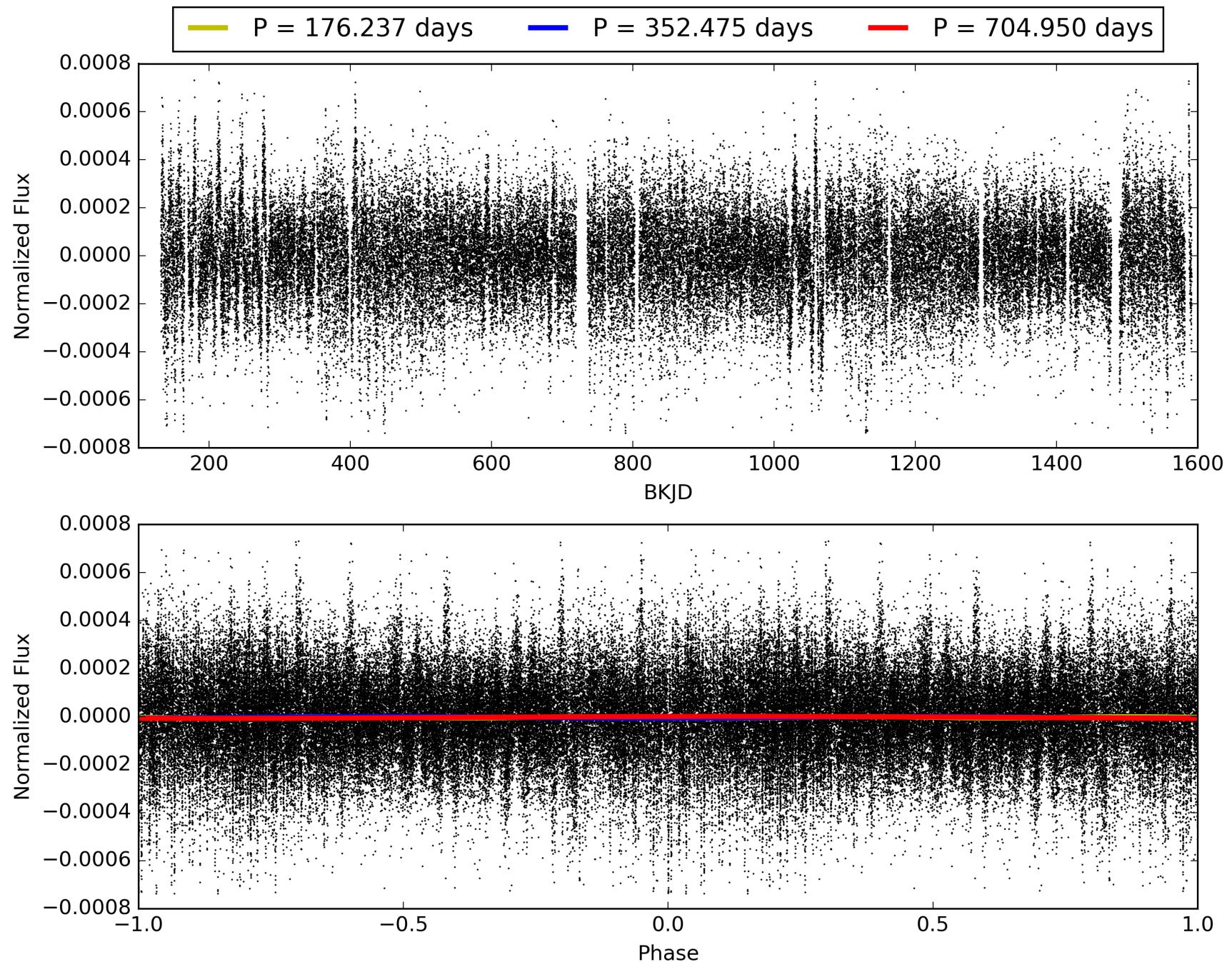
**WARNING: THIS DATA IS
SIMULATED, NOT OBSERVED**



TCE 009896456-02, PDC Light Curves

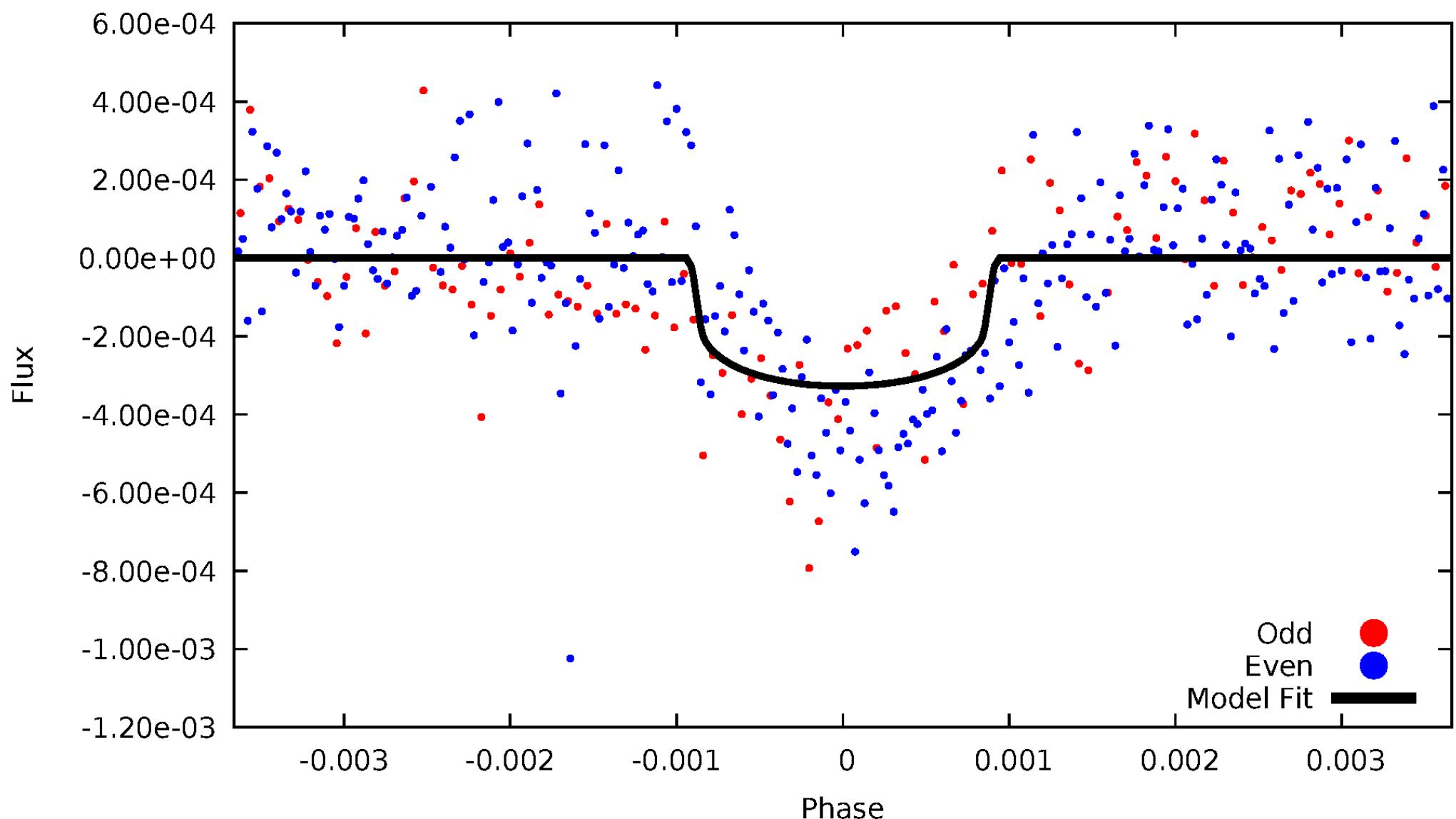


TCE 009896456-02



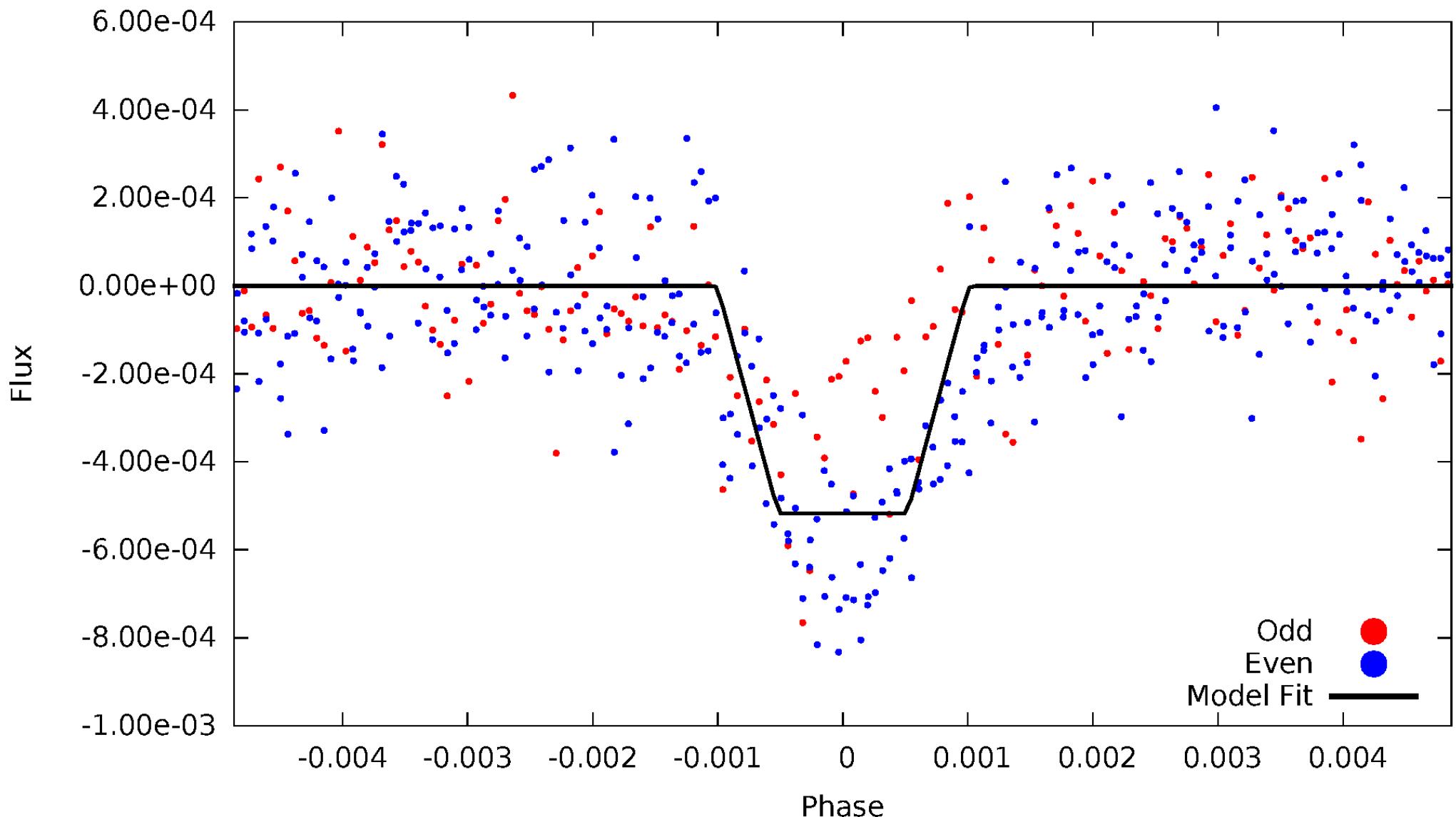
DV Odd/Even

TCE 009896456-02

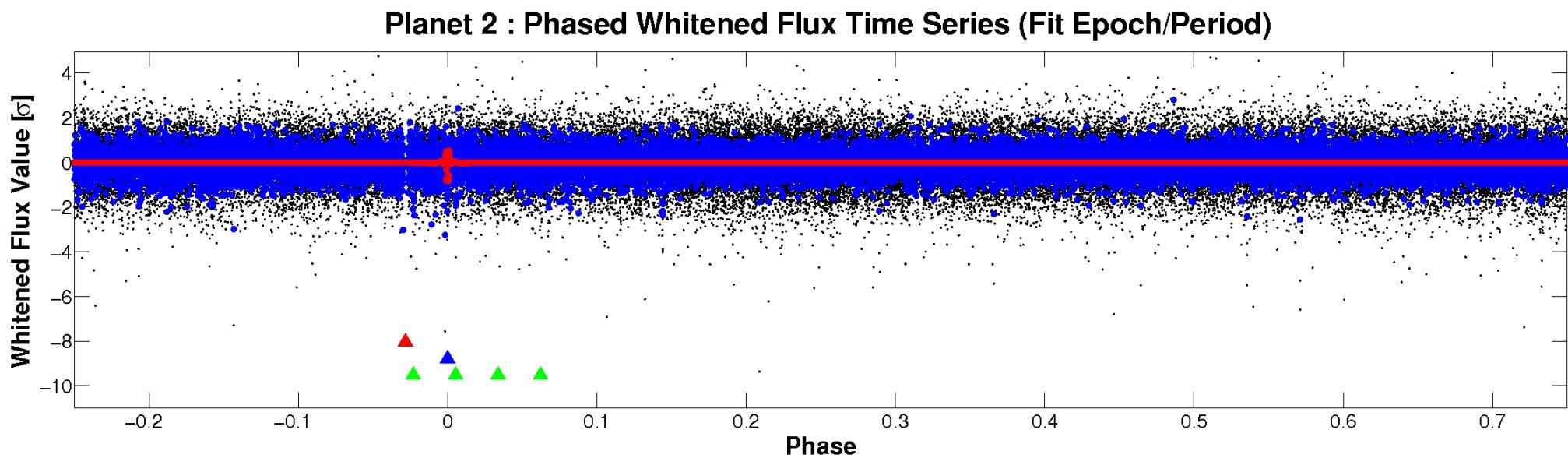
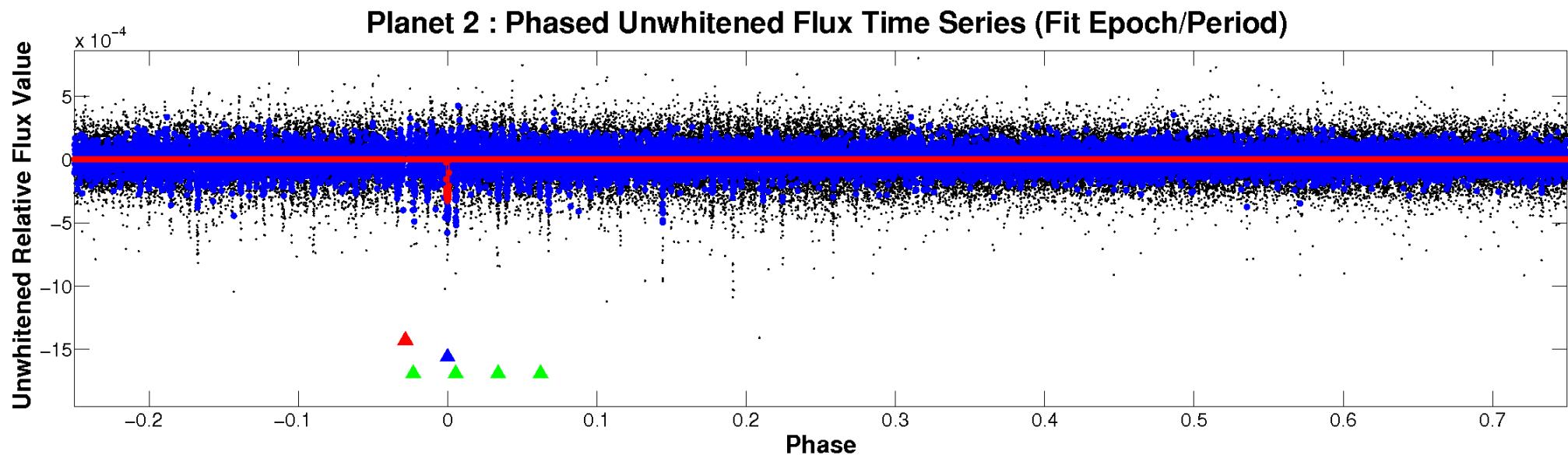


ALT Odd/Even

TCE 009896456-02

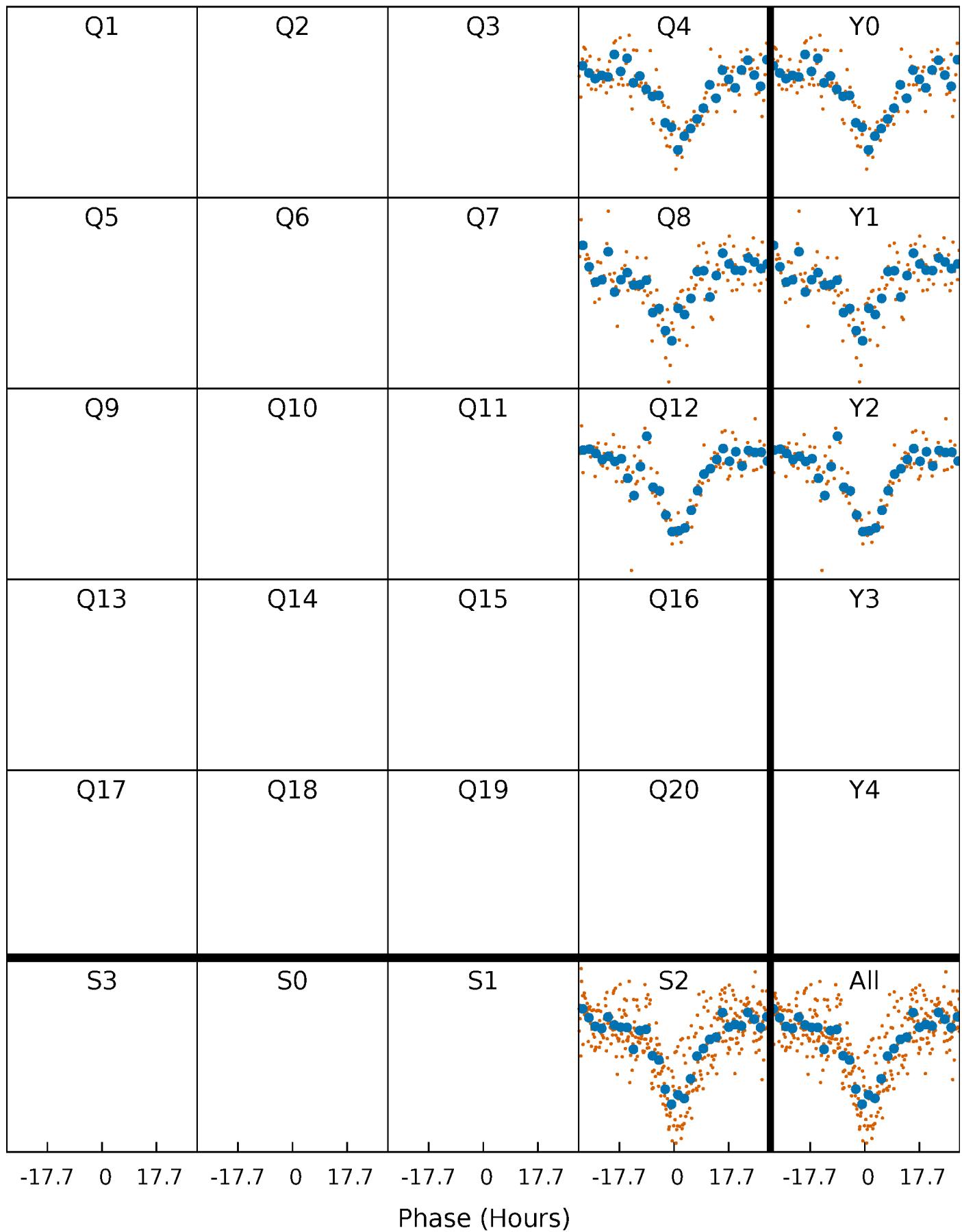


Non-Whitened Vs. Whitened Light Curve



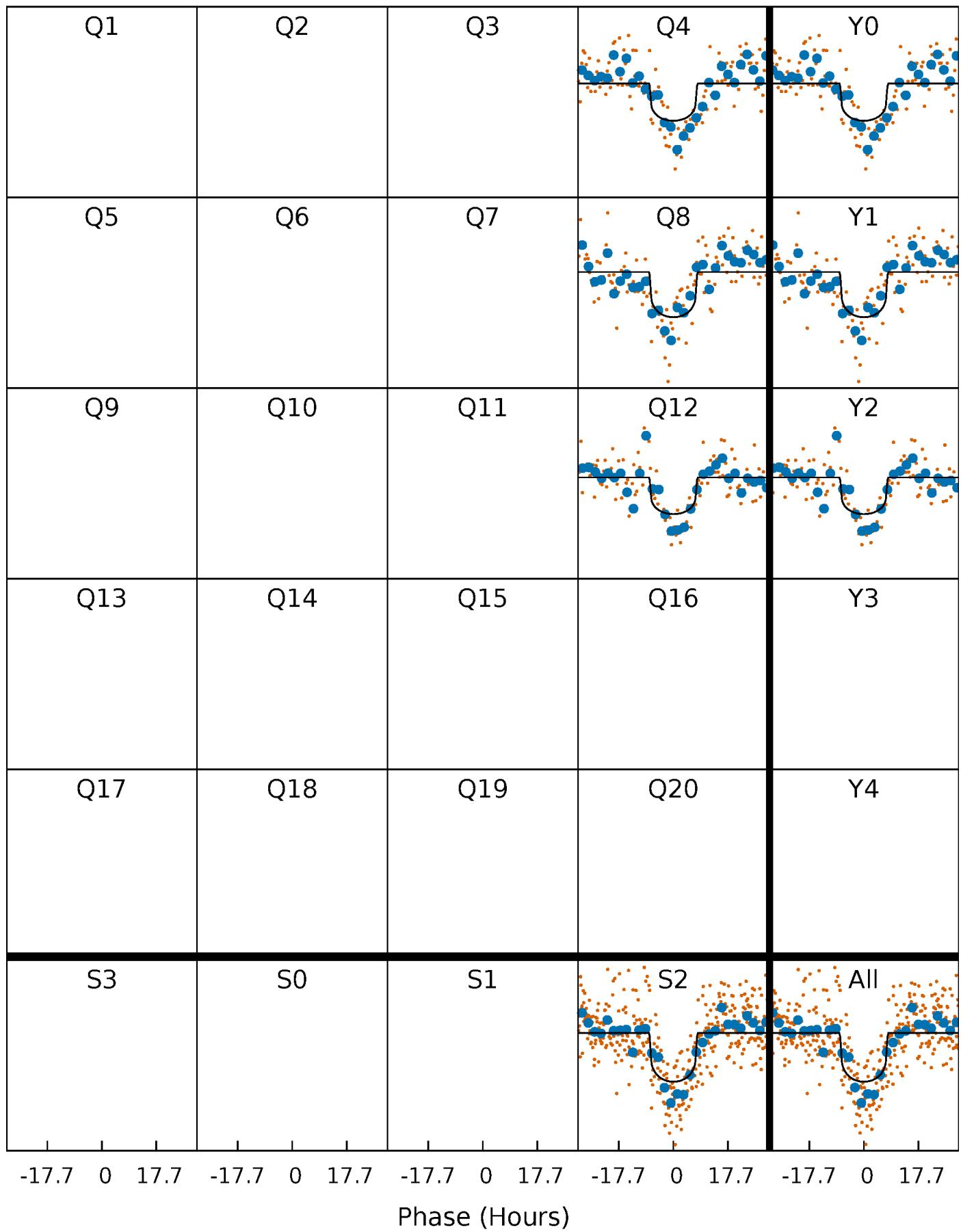
PDC Quarter-Phased Transit Curves

TCE 009896456-02 $P=352.474774$ Days $T_0=424.848789$ (BKJD)



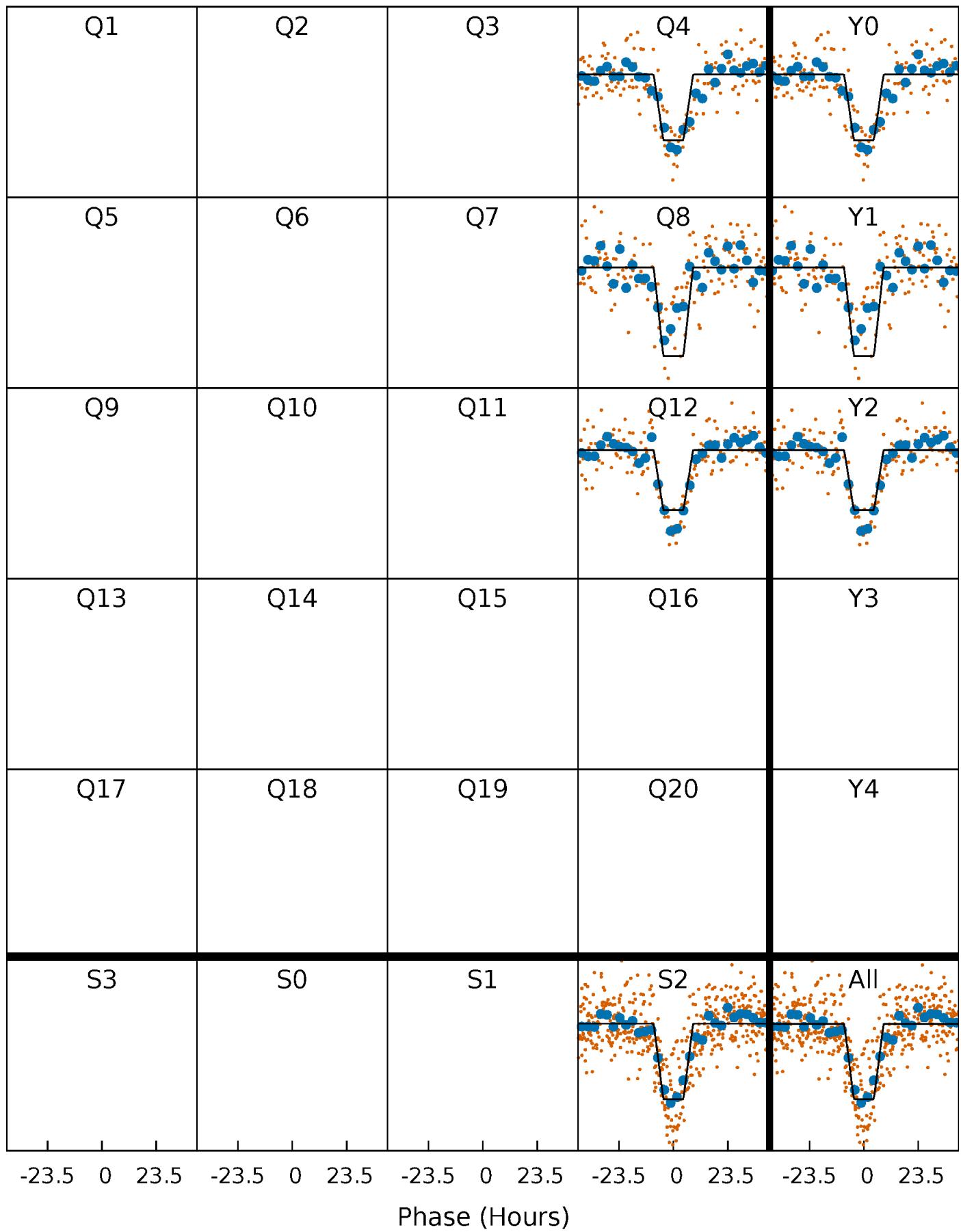
DV Quarter-Phased Transit Curves

TCE 009896456-02 P=352.474774 Days $T_0=424.848789$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

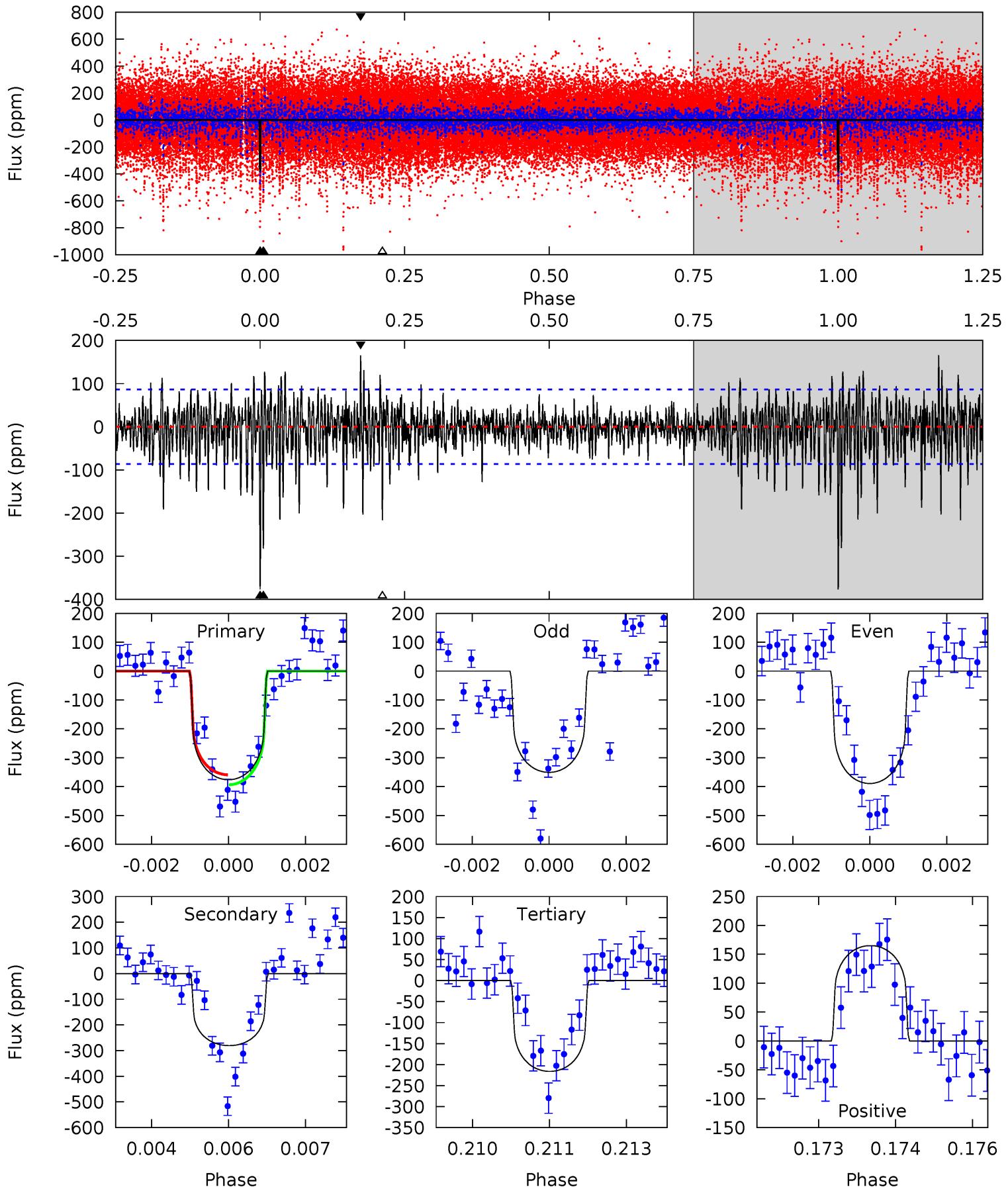
TCE 009896456-02 $P=352.478910$ Days $T_0=424.886576$ (BKJD)



DV Model-Shift Uniqueness Test

009896456-02, P = 352.474774 Days, E = 72.374015 Days

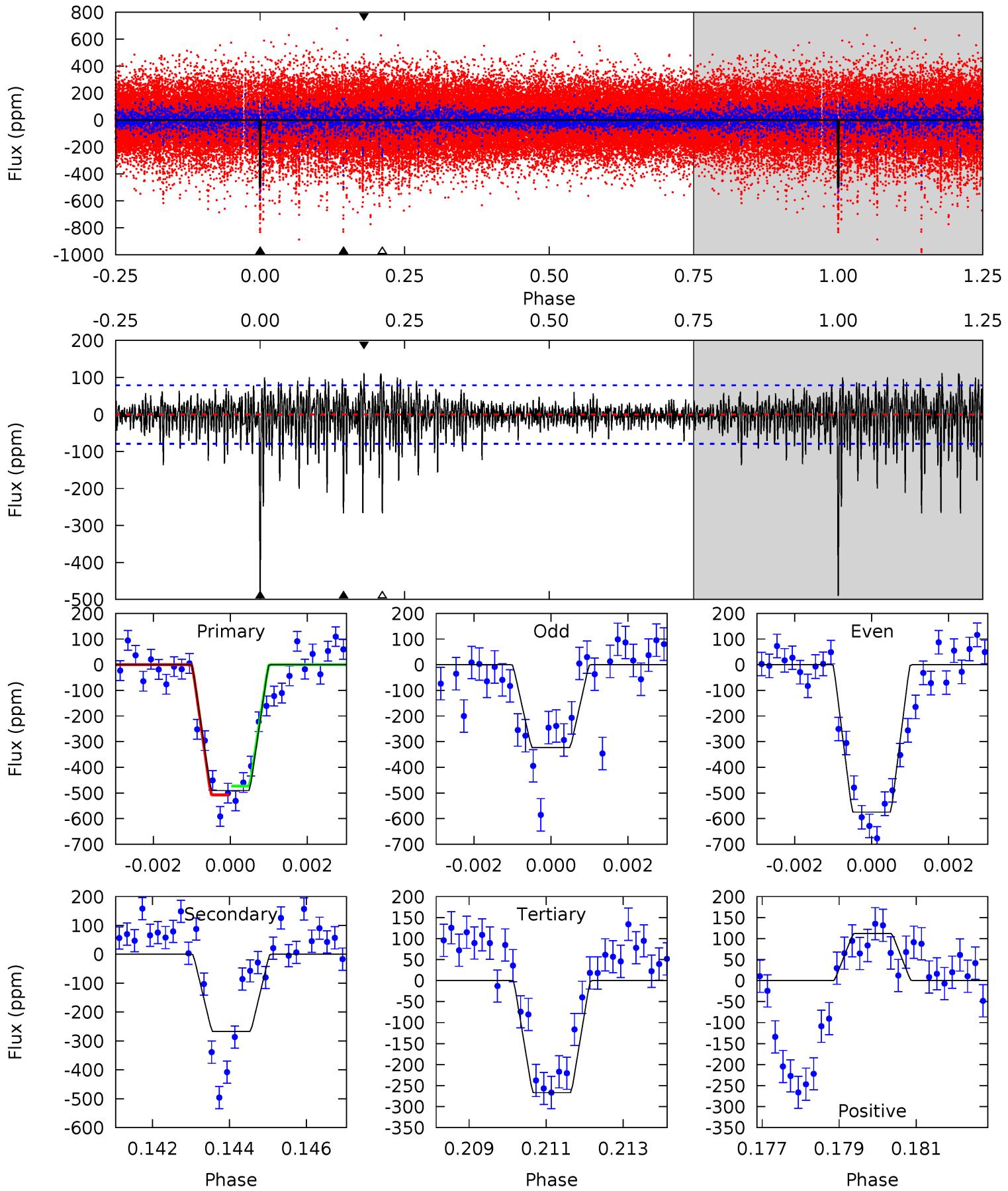
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
23.3	17.4	13.4	10.2	5.34	3.11	2.57	9.90	13.1	3.99	7.15	1.13	1.01	0.30	1.07



Alt Model-Shift Uniqueness Test

009896456-02, P = 352.478910 Days, E = 72.407666 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
33.0	18.0	18.0	7.53	5.32	3.09	2.71	15.0	25.5	0.03	10.5	8.01	0.94	0.19	1.16



Stellar Parameters For KIC 009896456

	T _{eff} (K)	log(g)	[Fe/H]	R (R _⊕)	M(M _⊕)	p _★ (g·cm ⁻³)
	5676 ⁺¹⁵² ₋₁₅₂	4.486 ^{+0.075} _{-0.175}	-0.260 ^{+0.300} _{-0.300}	0.876 ^{+0.226} _{-0.097}	0.857 ^{+0.115} _{-0.080}	1.794 ^{+0.575} _{-0.813}
	+3%/-3%	+2%/-4%	+115%/-115%	+26%/-11%	+13%/-9%	+32%/-45%
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 009896456-02 / KOI

Detrend	Depth (ppm)	R _p (R _⊕)	T _{max} (K)	T _{obs} (K)	A _{obs}
DV	-281±16	1.70 ^{+0.56} _{-0.47}	344 ⁺²² ₋₁₆	5558 ⁺⁹⁹⁷ ₋₅₇₈	44890 ⁺⁴²⁹⁰³ ₋₁₈₅₆₆
Alt.	-267±15	2.28 ^{+0.53} _{-0.52}	345 ⁺²¹ ₋₁₅	4874 ⁺⁵⁴⁴ ₋₃₄₇	24129 ⁺¹⁶⁹⁰¹ ₋₇₇₅₄

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} ≫ T_{max} AND A_{obs} ≫ 1.0

DV Centroid Data

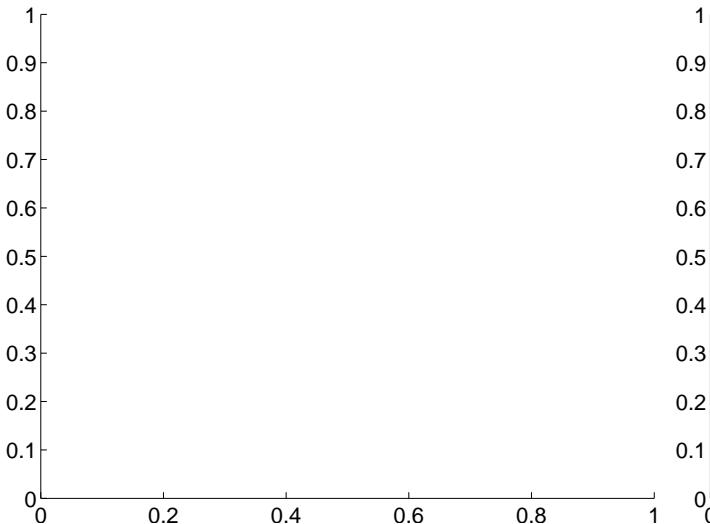
Supplemental centroid analysis for 009896456-02. Kepler magnitude: 13.56. Transit SNR 7.55

There are 0 quarters with good PRF difference image offsets

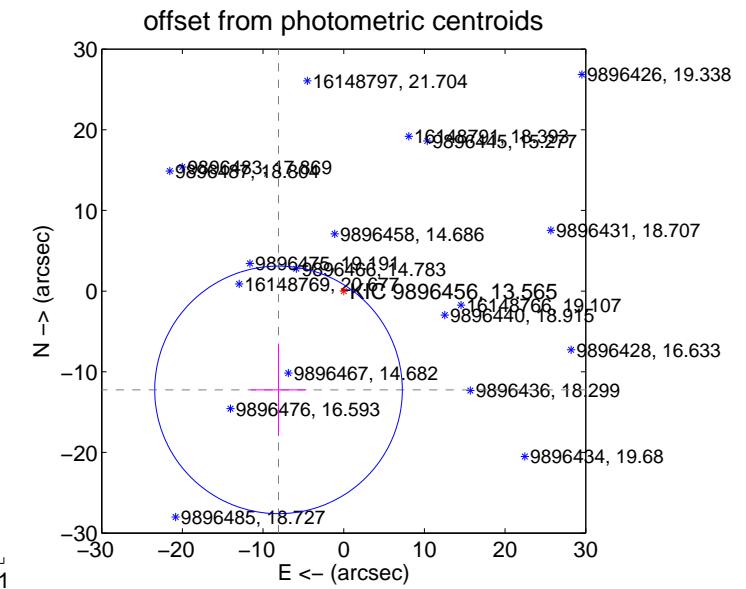
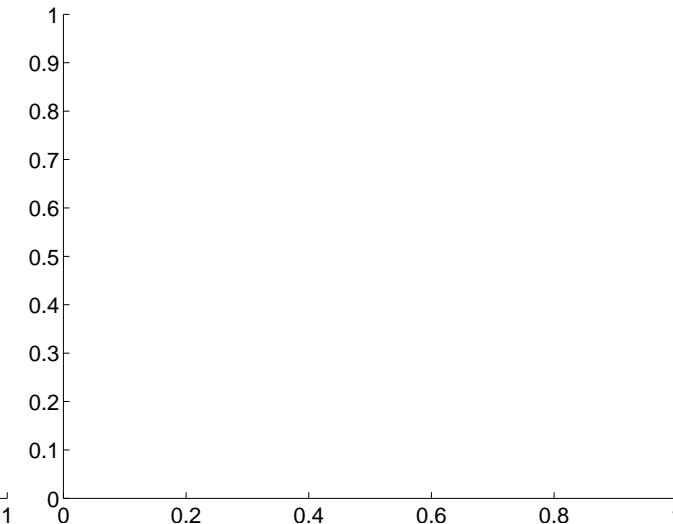
The direct PRF centroid is offset from the target star catalog position by about NaN arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	—	—	—	—
PRF-fit source offset from KIC position	—	—	—	—
photometric centroid source offset	14.67 ± 5.11	2.87	8.08 ± 3.44	-12.25 ± 5.69

There is no PRF-fit offset from OOT-fit



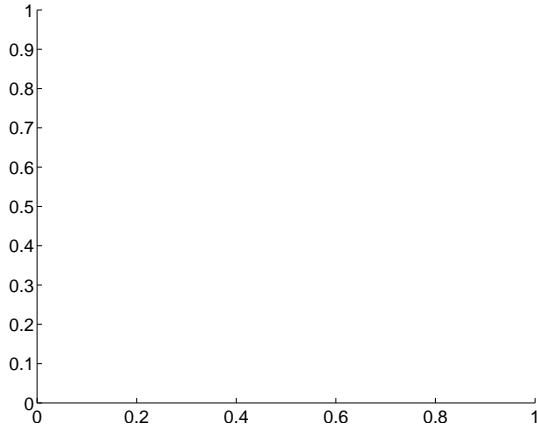
There is no PRF-fit offset from KIC



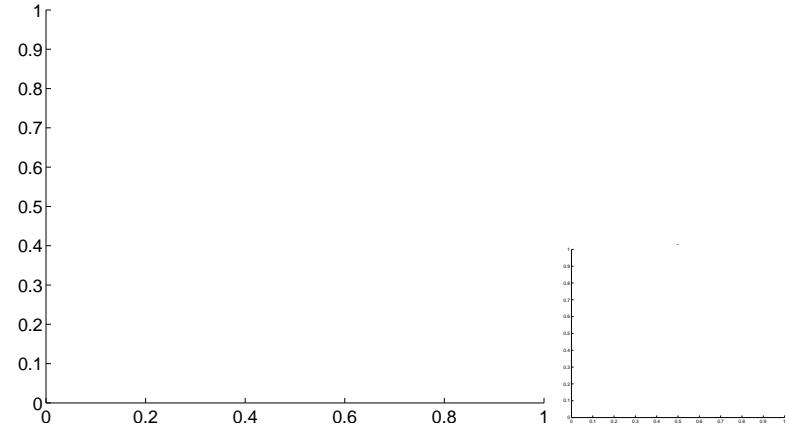
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

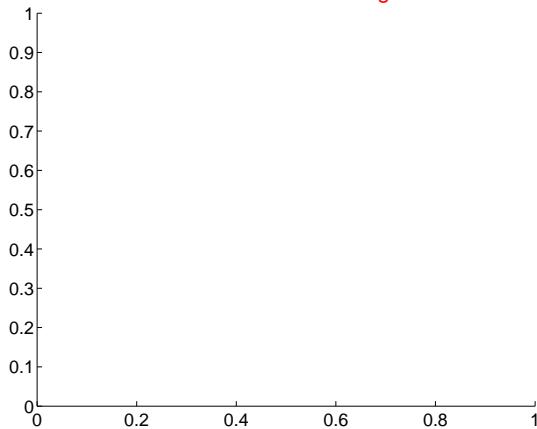
Q1 no difference image



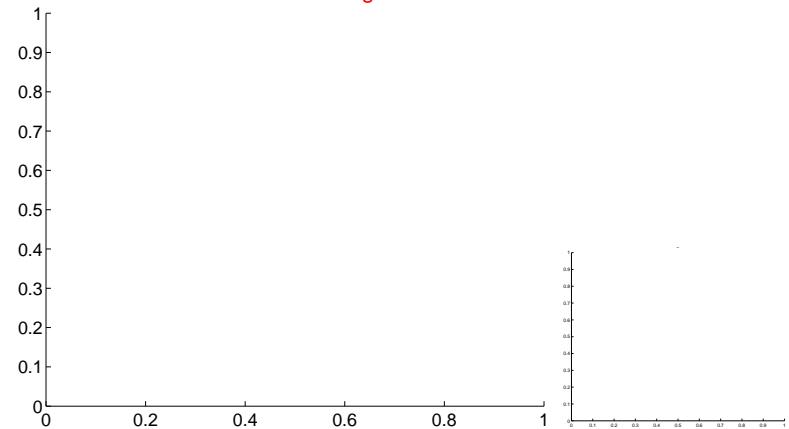
Q1 no OOT image



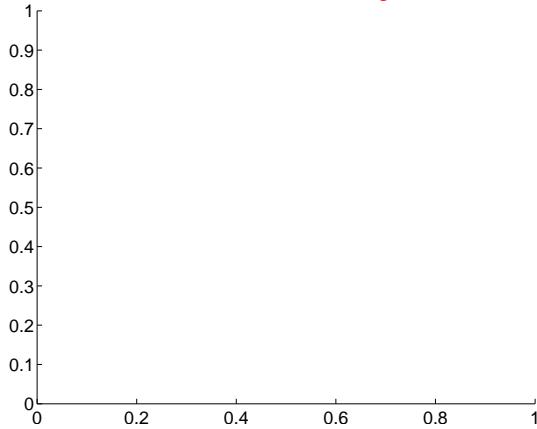
Q2 no difference image



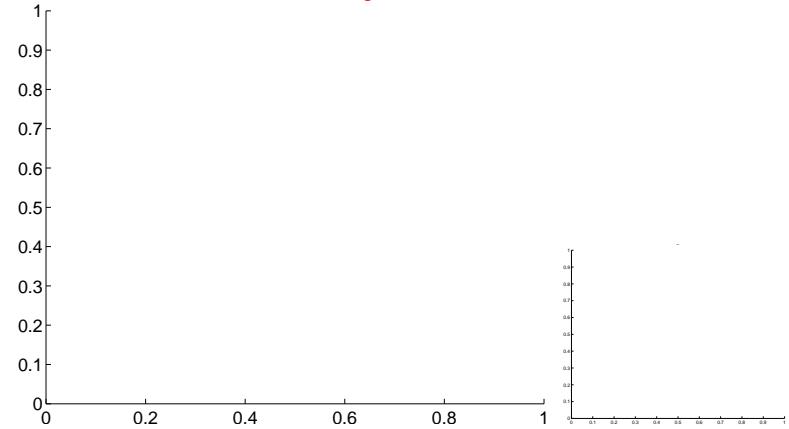
Q2 no OOT image



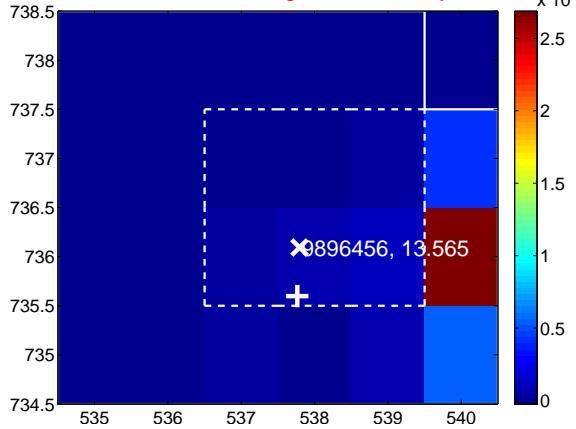
Q3 no difference image



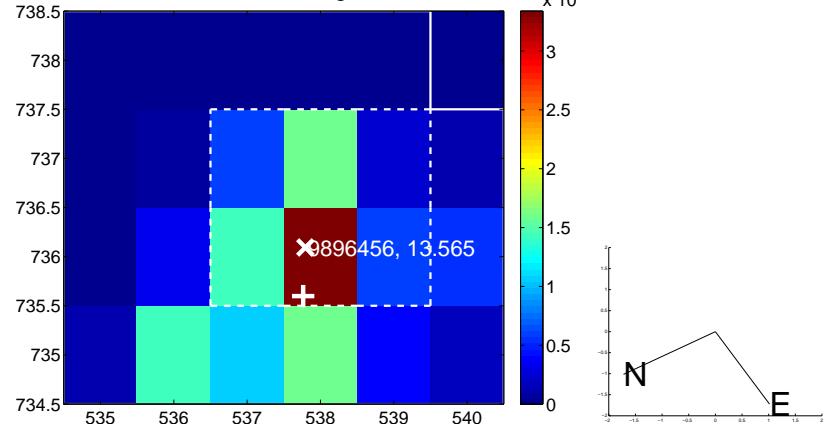
Q3 no OOT image



Q4 difference image. Poor Quality

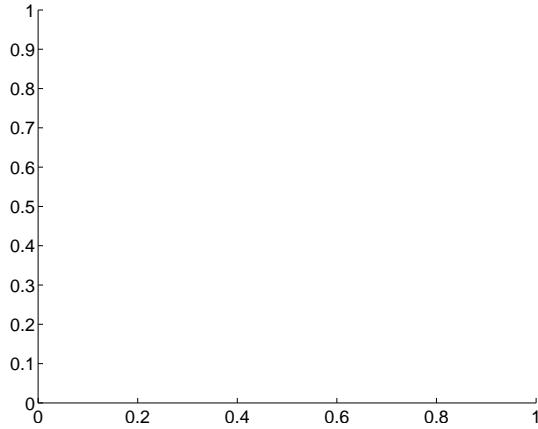


Q4 OOT image

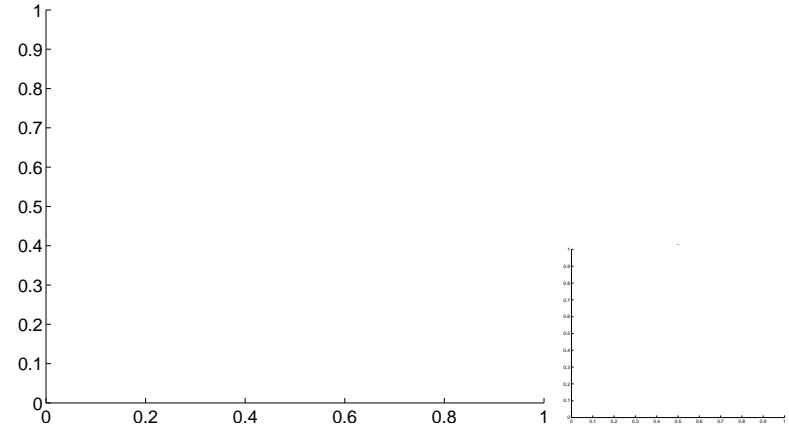


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red X : large negative pixel value.

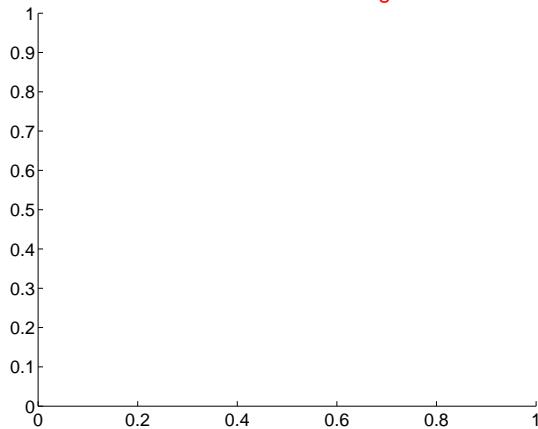
Q5 no difference image



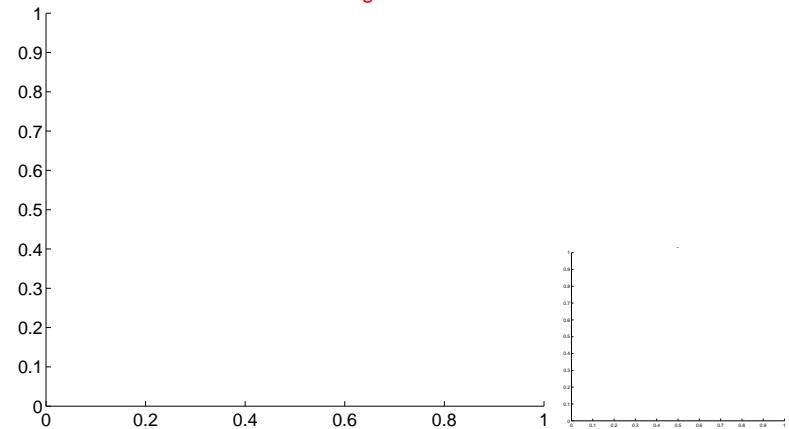
Q5 no OOT image



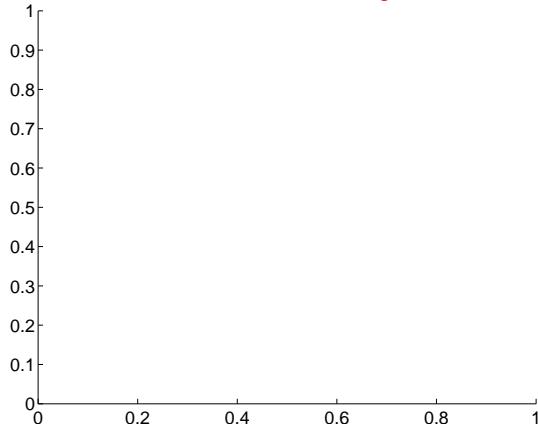
Q6 no difference image



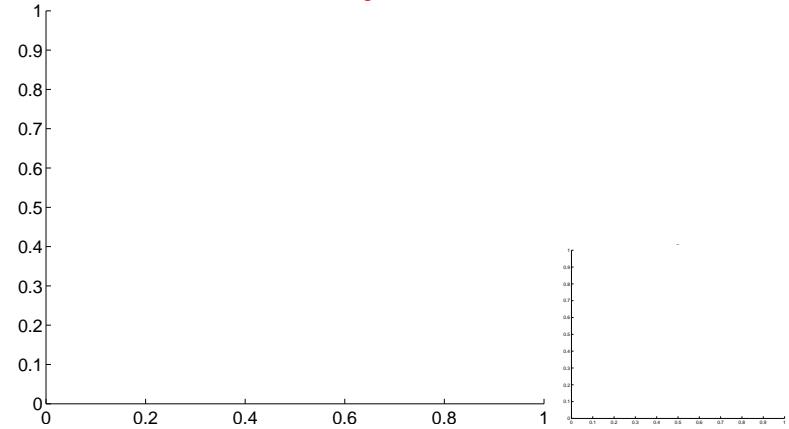
Q6 no OOT image



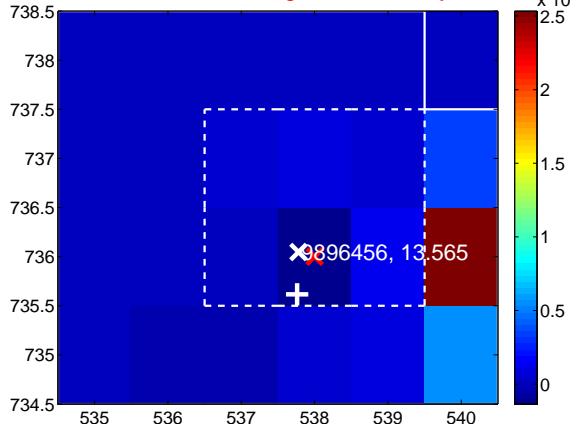
Q7 no difference image



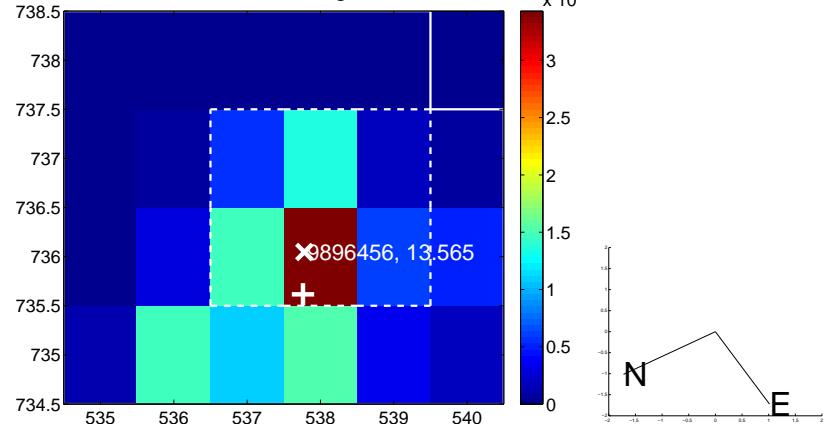
Q7 no OOT image



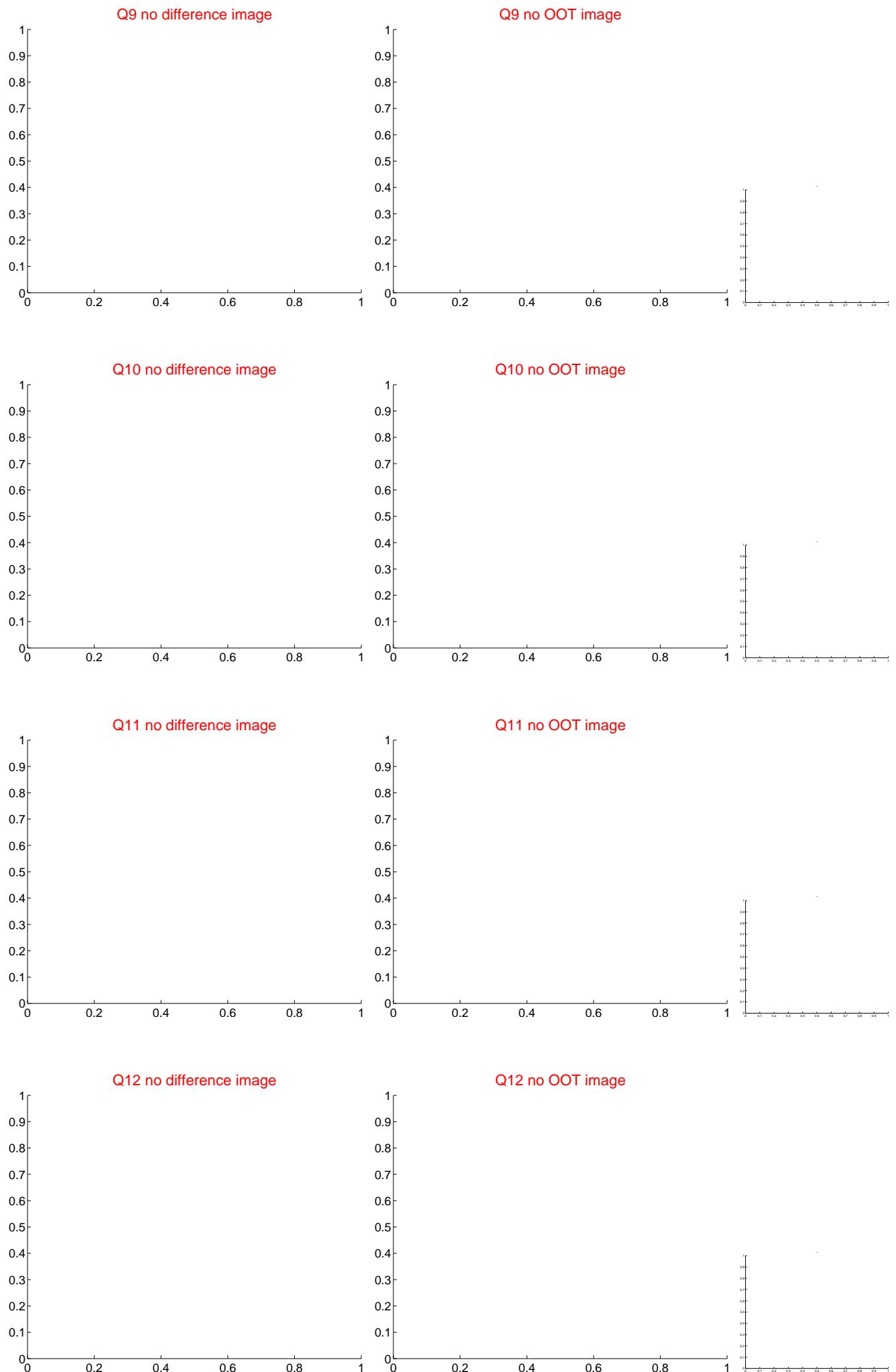
Q8 difference image. Poor Quality



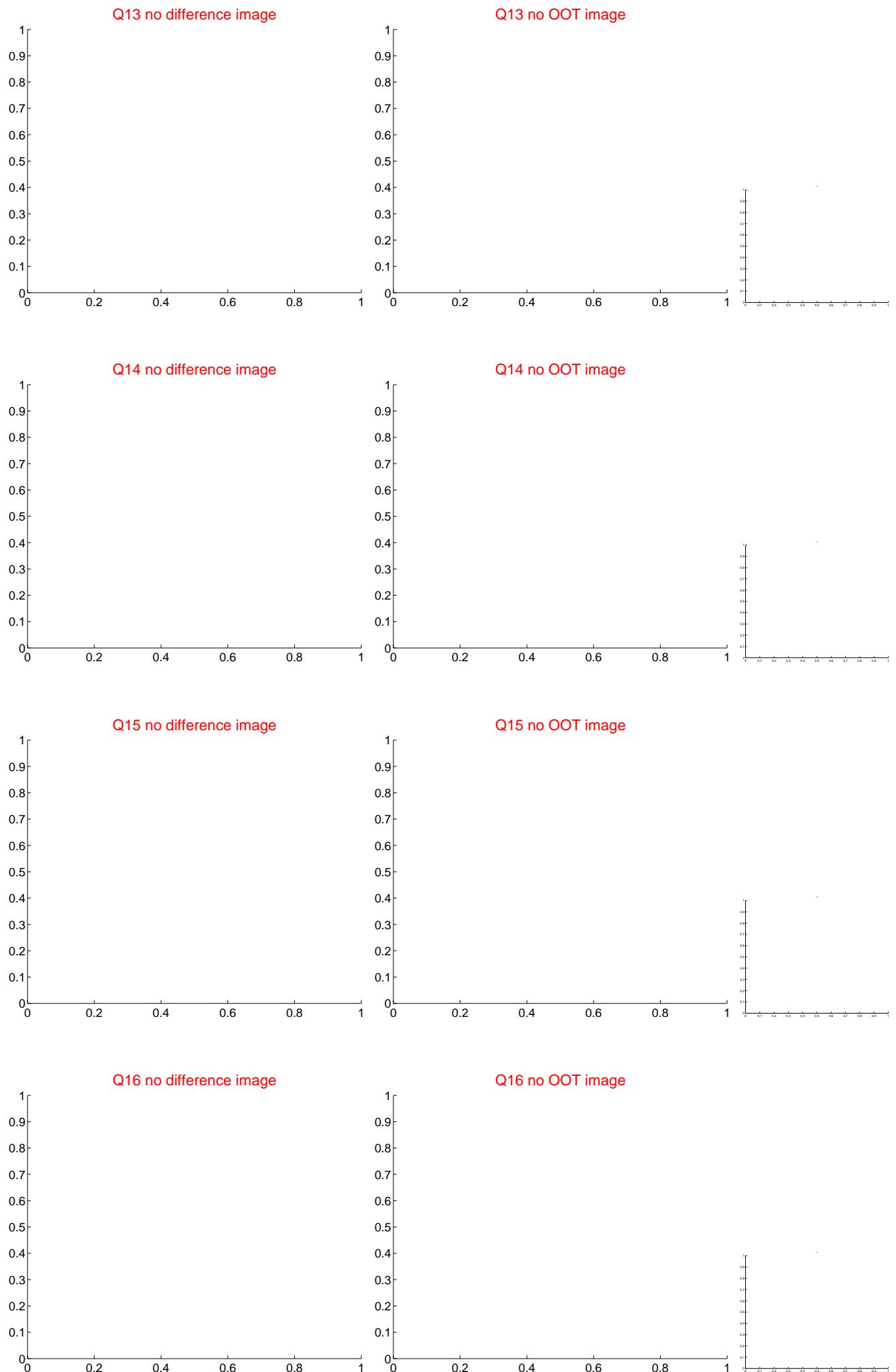
Q8 OOT image



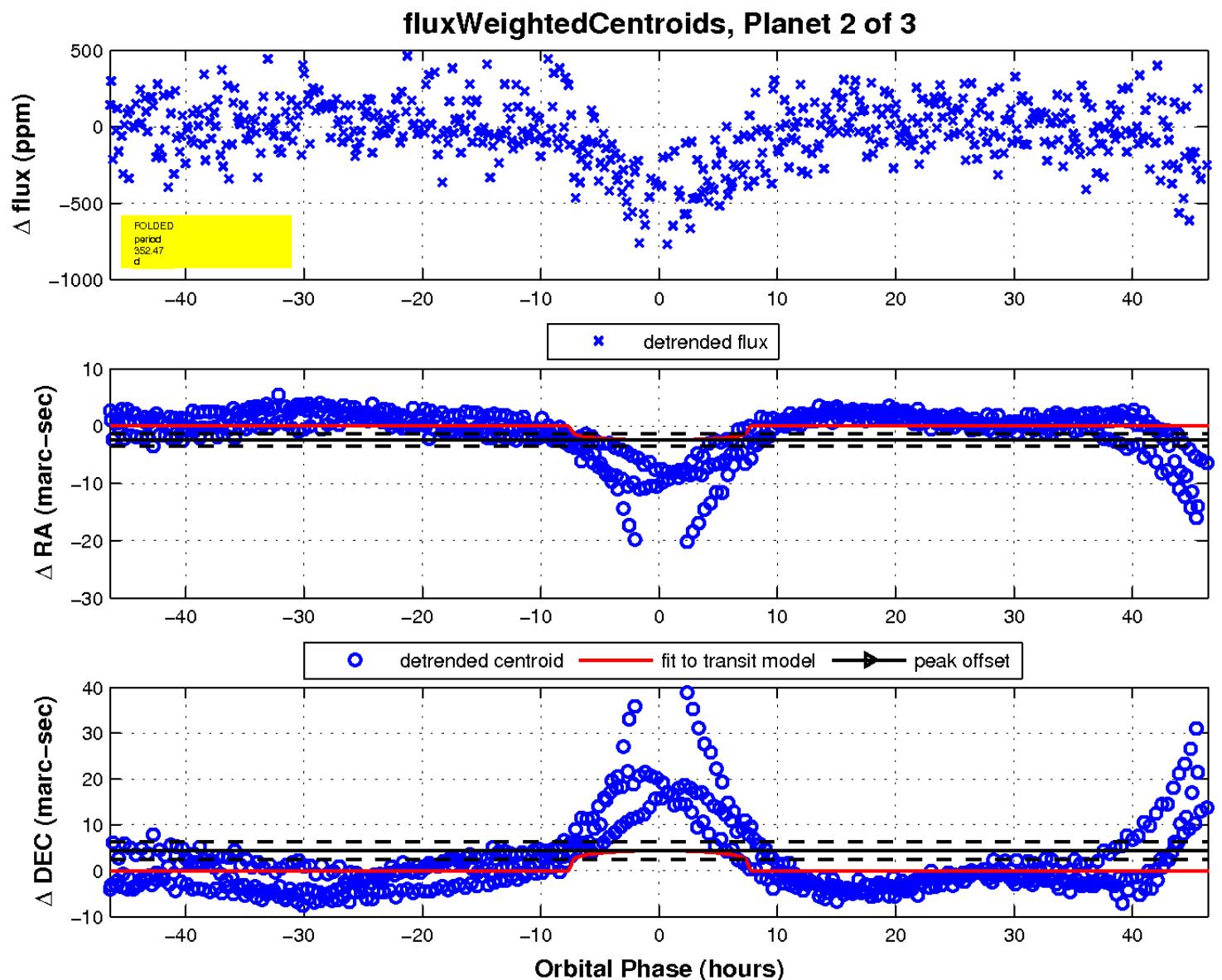
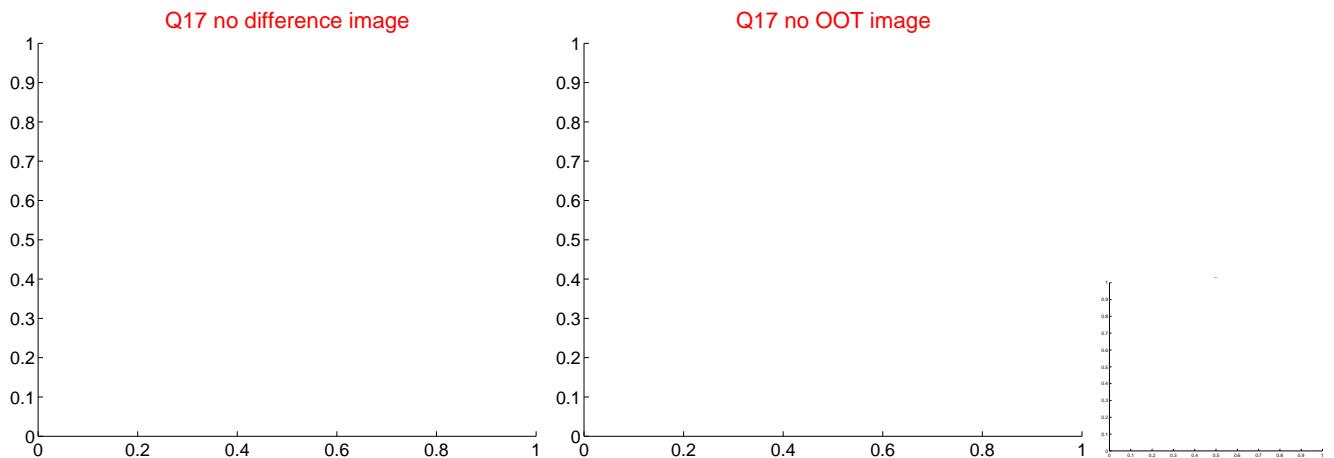
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

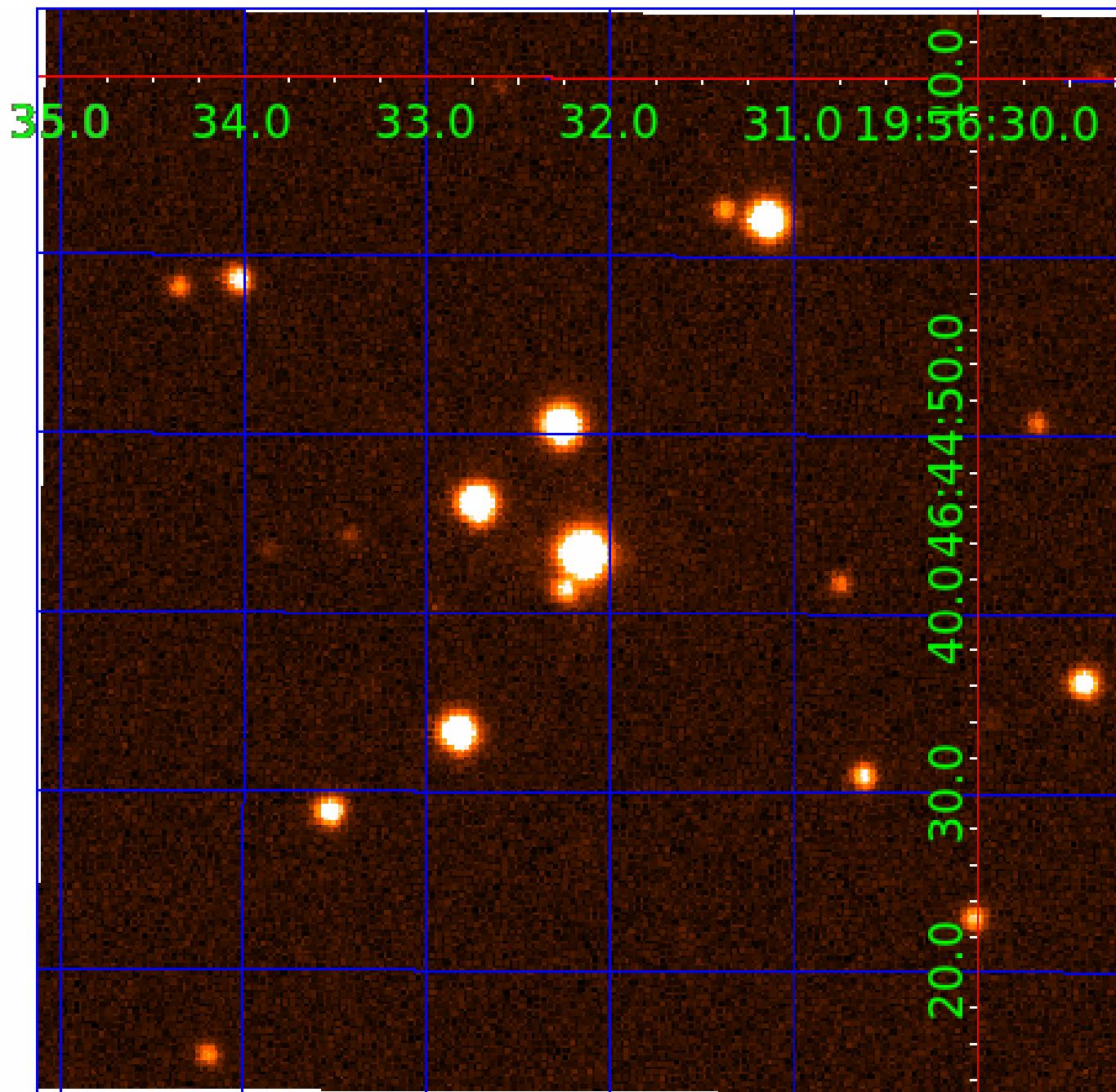


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red X : large negative pixel value.



UKIRT Image

Declination



KIC 009896456

Q1-17 DR25 TCE Parameters

TCE	Run Type	KOI?	Period (Days)	Epoch (BKJD)	Depth (ppm)	Duration (Hours)	MES	SNR	R_* (R_{\odot})	T_* (K)	R_p (R_{\oplus})	S_p (S_{\oplus})
009896456-01	INV	No	352.422219	414.980044	396.4	9.512	9.2	8.6	0.88	5676	1.82	0.83
009896456-02	INV	No	352.474774	424.848789	327.8	15.484	7.7	7.6	0.88	5676	1.69	0.83
009896456-03	INV	No	342.451574	446.812562	278.2	15.341	8.1	7.1	0.88	5676	1.51	0.86

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
009896456-01	INV	FP	0.00	1	0	0	0	INDIV_TRANS_SKYE—CENT_FEW_DIFFS
009896456-02	INV	FP	0.00	1	0	0	0	MOD_NONUNIQ_ALT—SAME_NTL_PERIOD—CENT_FEW_DIFFS
009896456-03	INV	PC	0.08	0	0	0	0	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 009896456-03

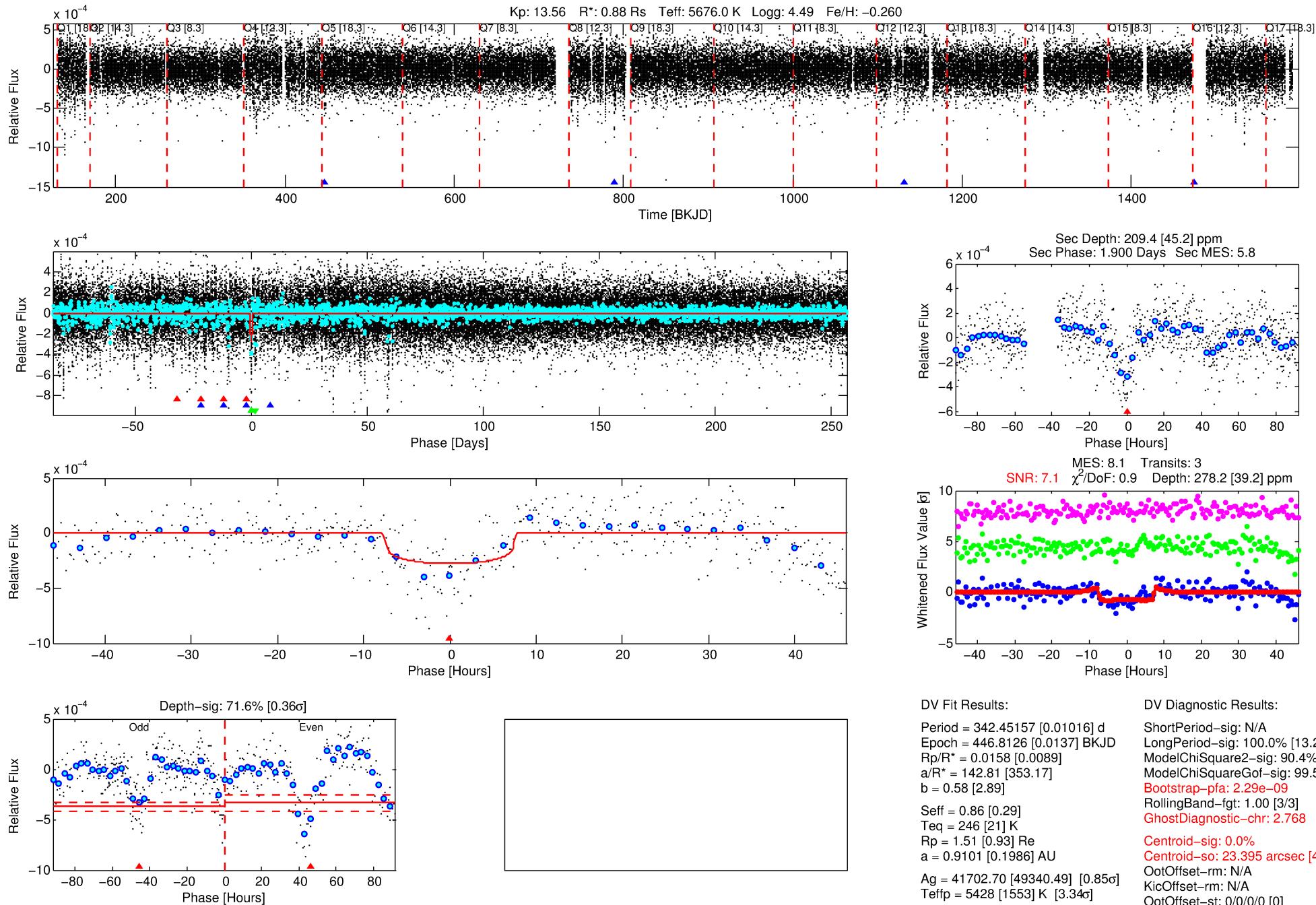
No Significant Match Found

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

DV One-Page Summary

KIC: 9896456 Candidate: 3 of 3 Period: 342.452 d

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

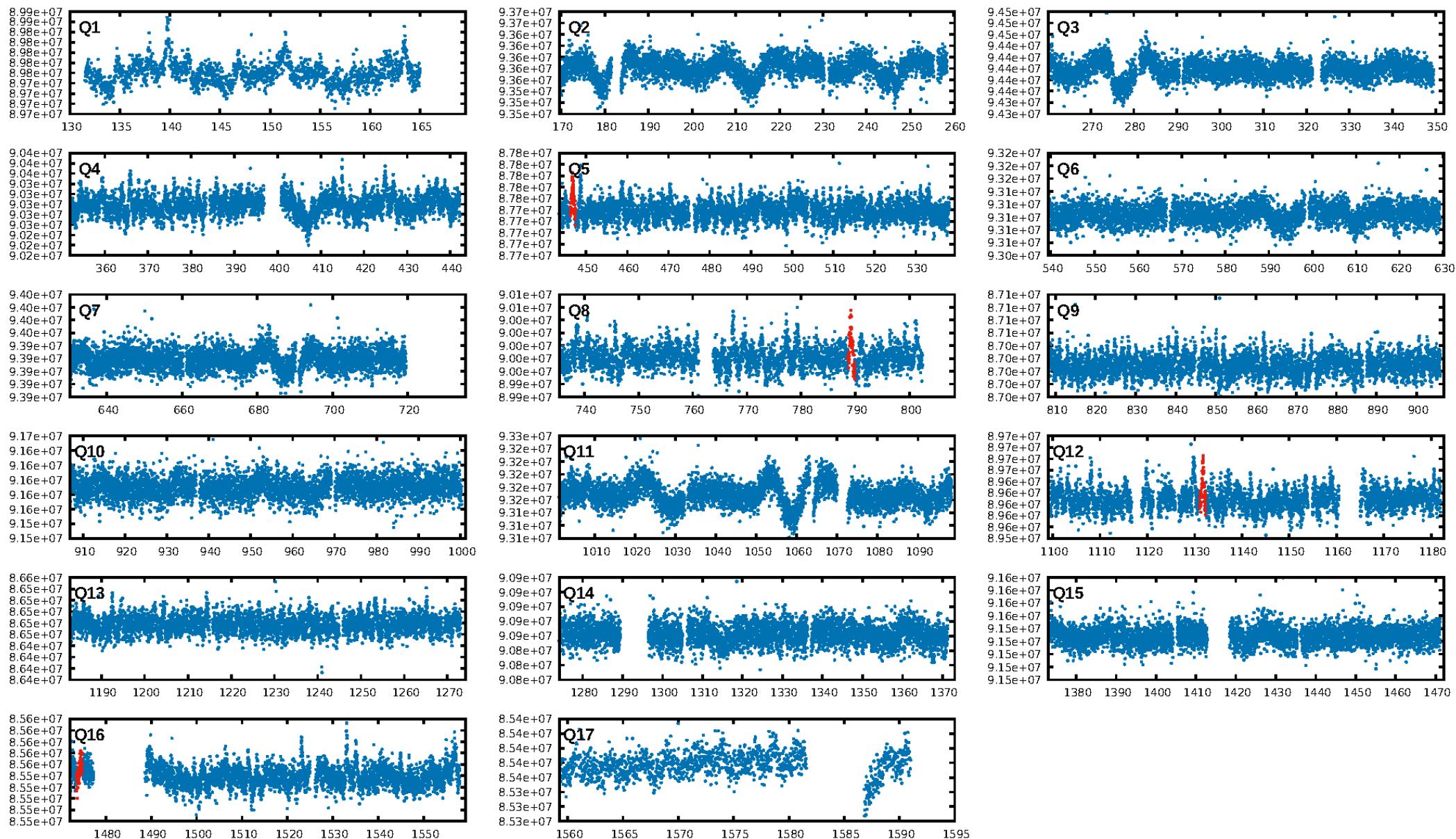


DV Fit Results:

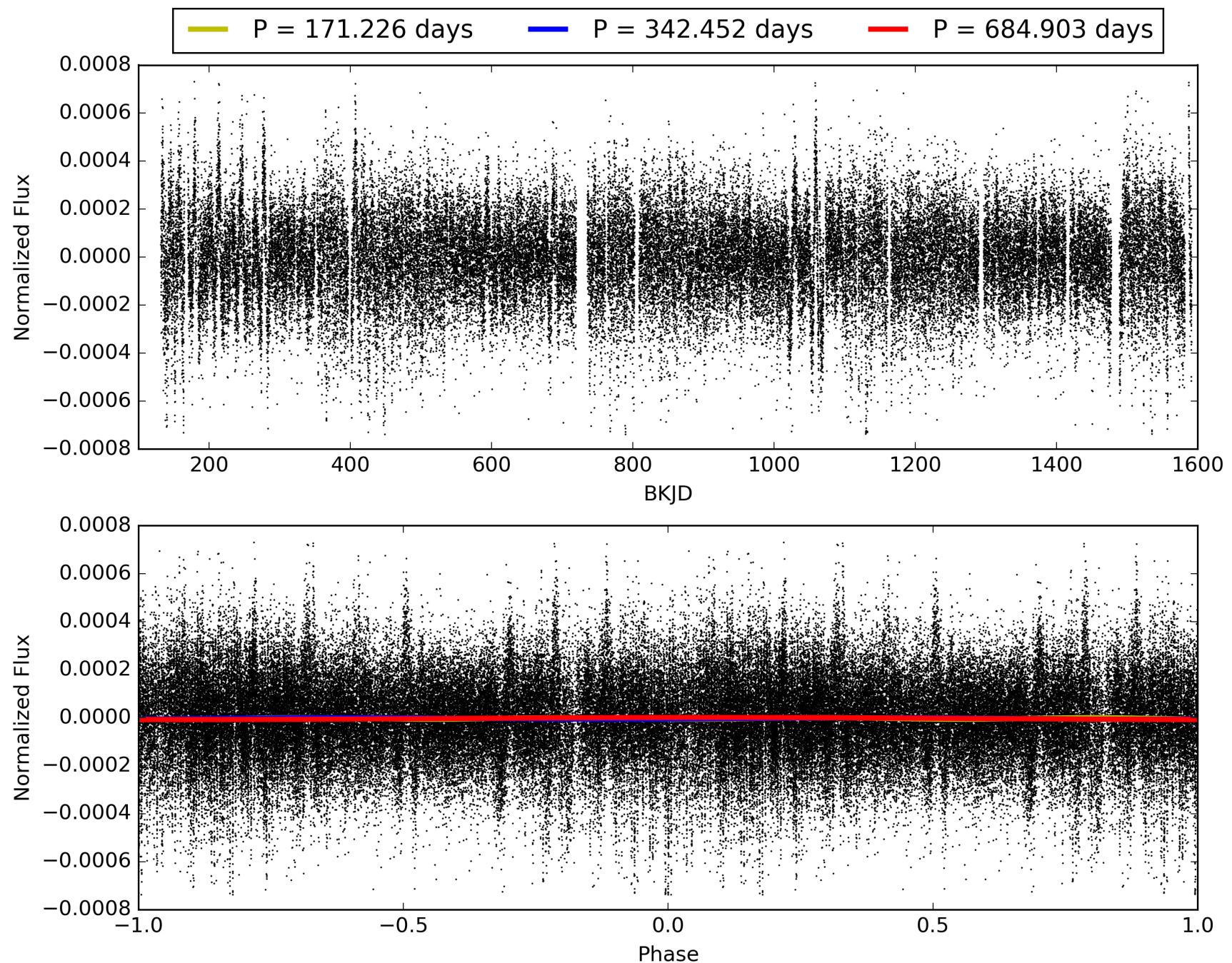
Period = 342.45157 [0.01016] d
Epoch = 446.8126 [0.0137] BKJD
Rp/R* = 0.0158 [0.0089]
a/R* = 142.81 [353.17]
b = 0.58 [2.89]
Seff = 0.86 [0.29]
Teq = 246 [21] K
Rp = 1.51 [0.93] Re
a = 0.9101 [0.1986] AU
Ag = 41702.70 [49340.49] [0.85 σ]
Teffp = 5428 [1553] K [3.34 σ]

DV Diagnostic Results:
ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [13.26 σ]
ModelChiSquare2-sig: 90.4%
ModelChiSquareGof-sig: 99.5%
Bootstrap-pfa: 2.29e-09
RollingBand-fgt: 1.00 [3/3]
GhostDiagnostic-chr: 2.768
Centroid-sig: 0.0%
Centroid-so: 23.395 arcsec [4.74 σ]
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: 1.00 [3/3]

TCE 009896456-03, PDC Light Curves

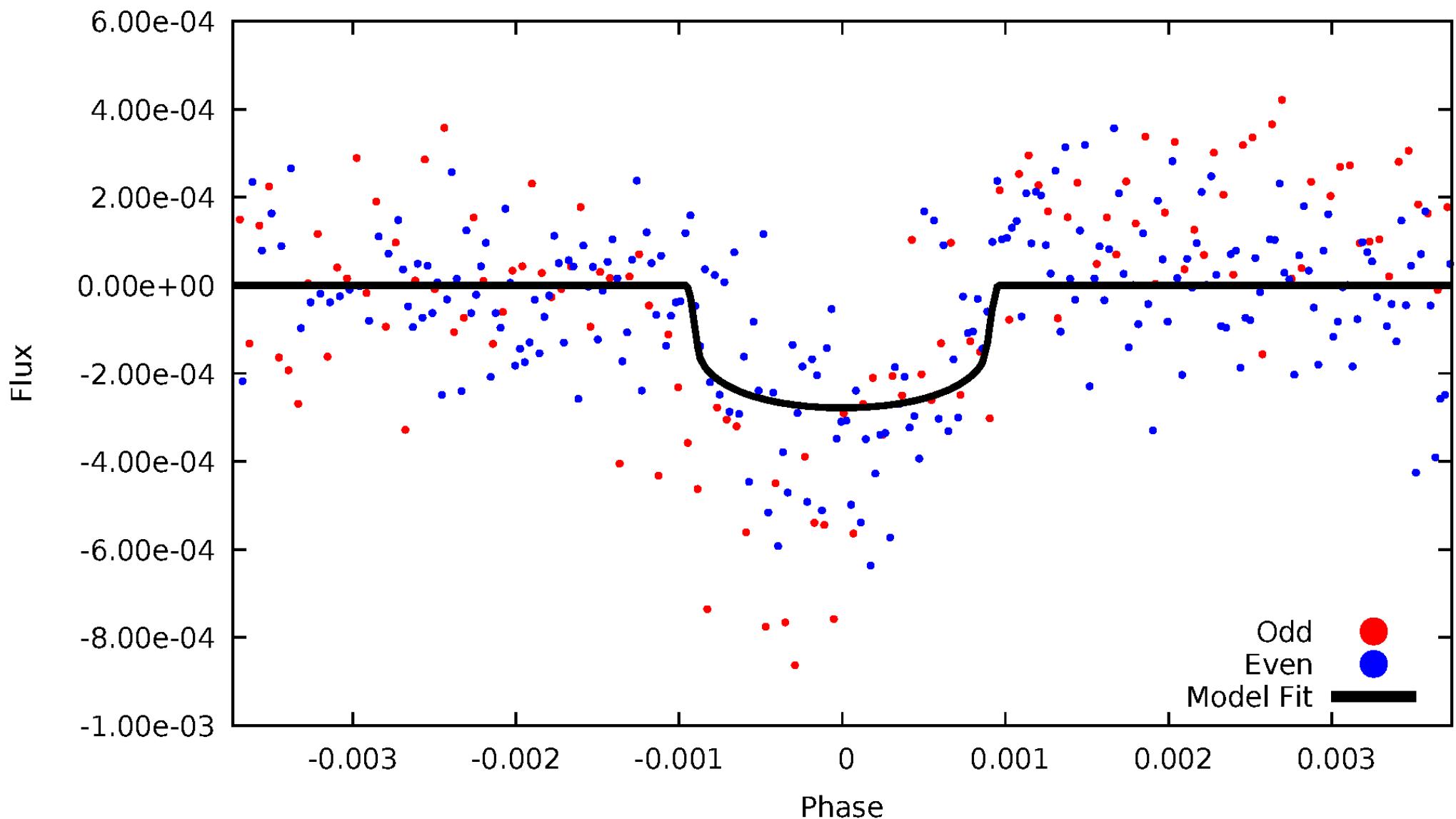


TCE 009896456-03



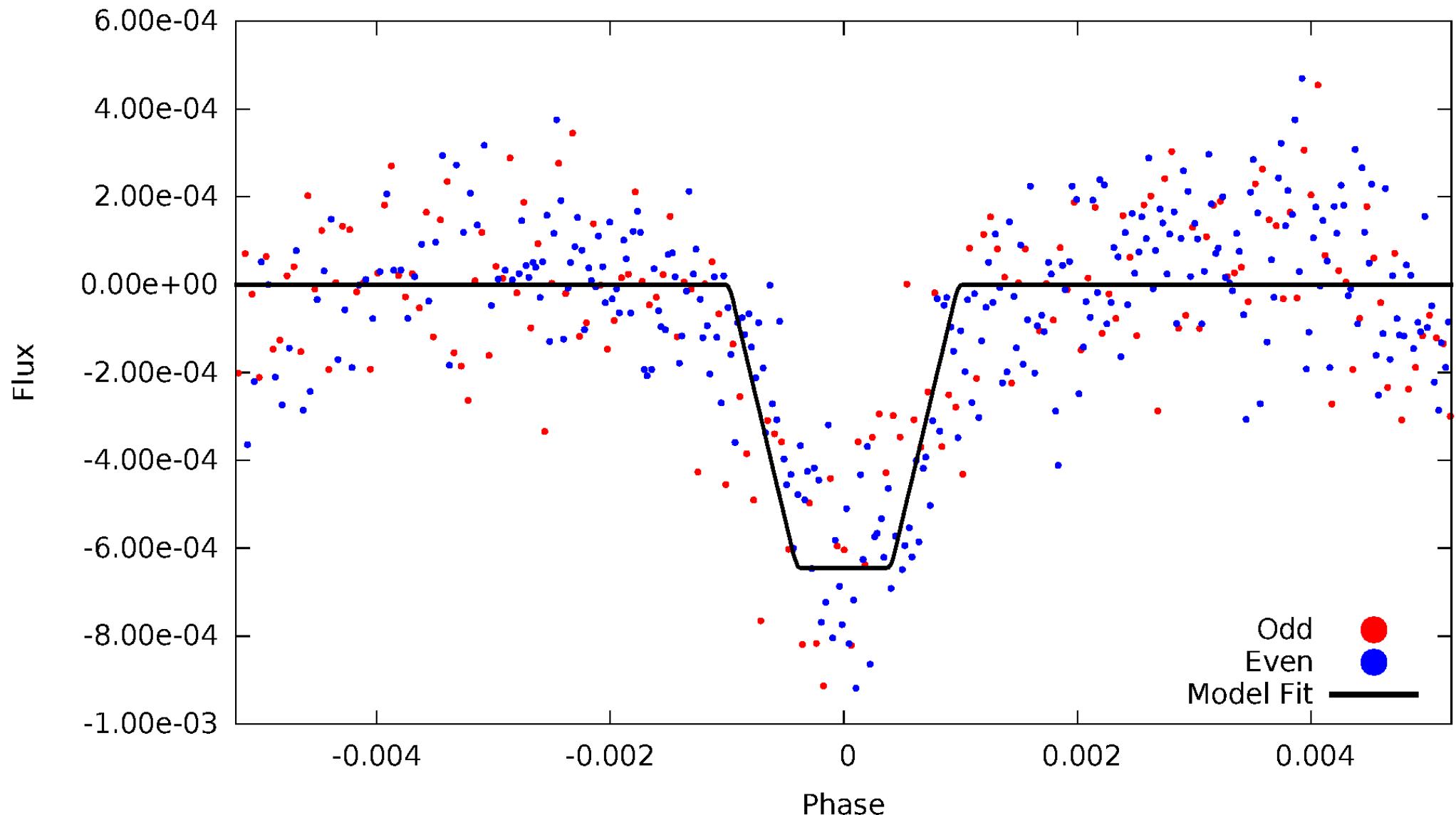
DV Odd/Even

TCE 009896456-03

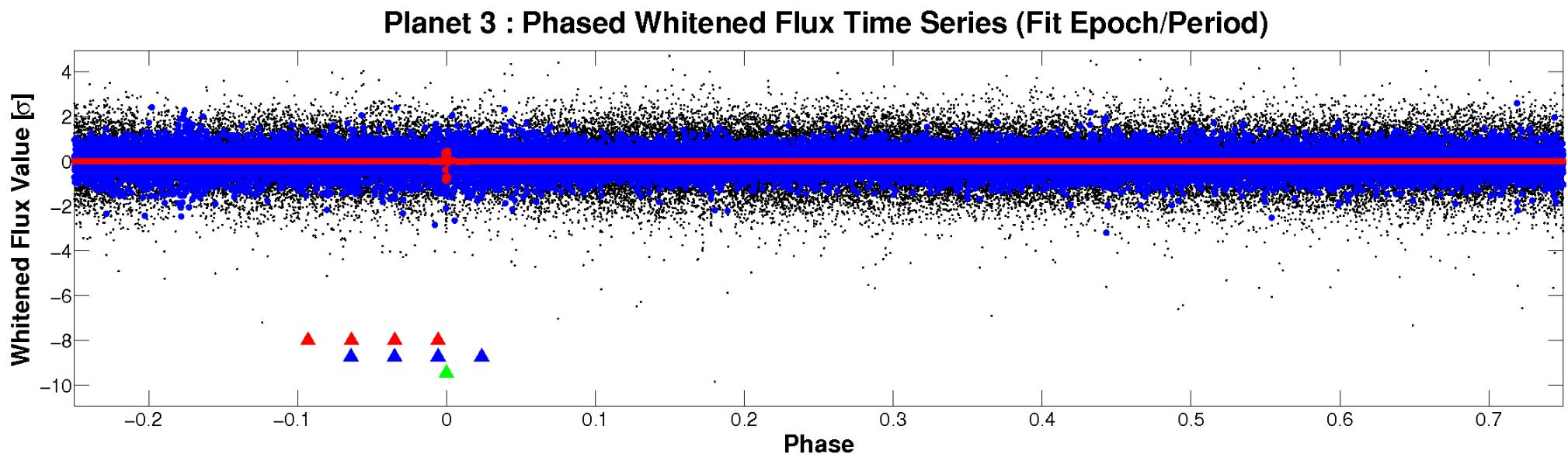
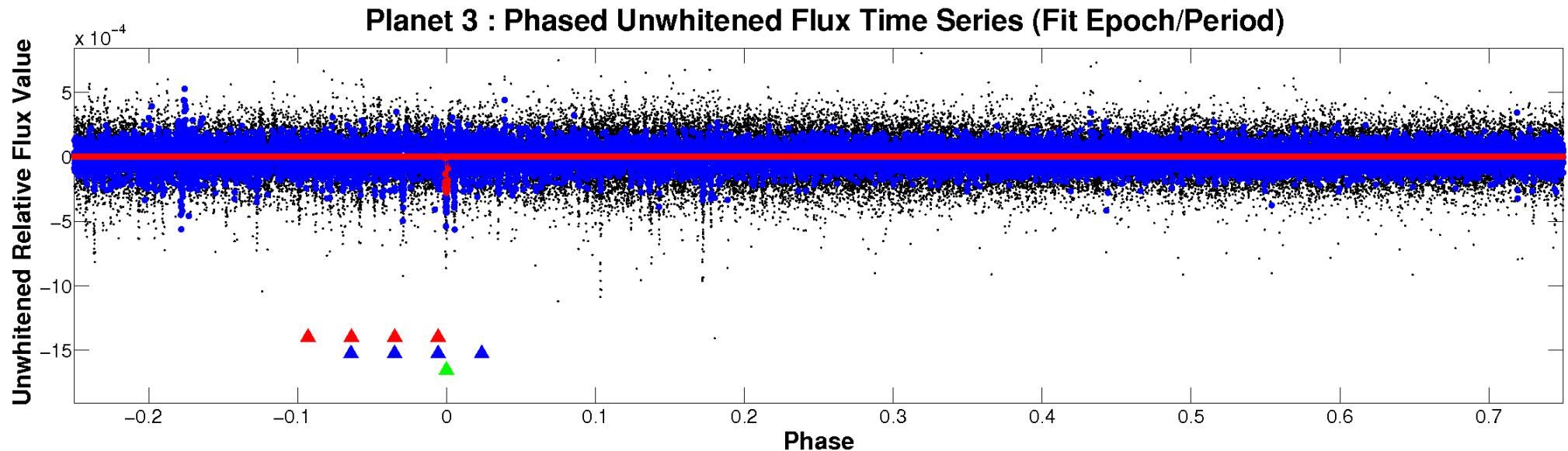


ALT Odd/Even

TCE 009896456-03

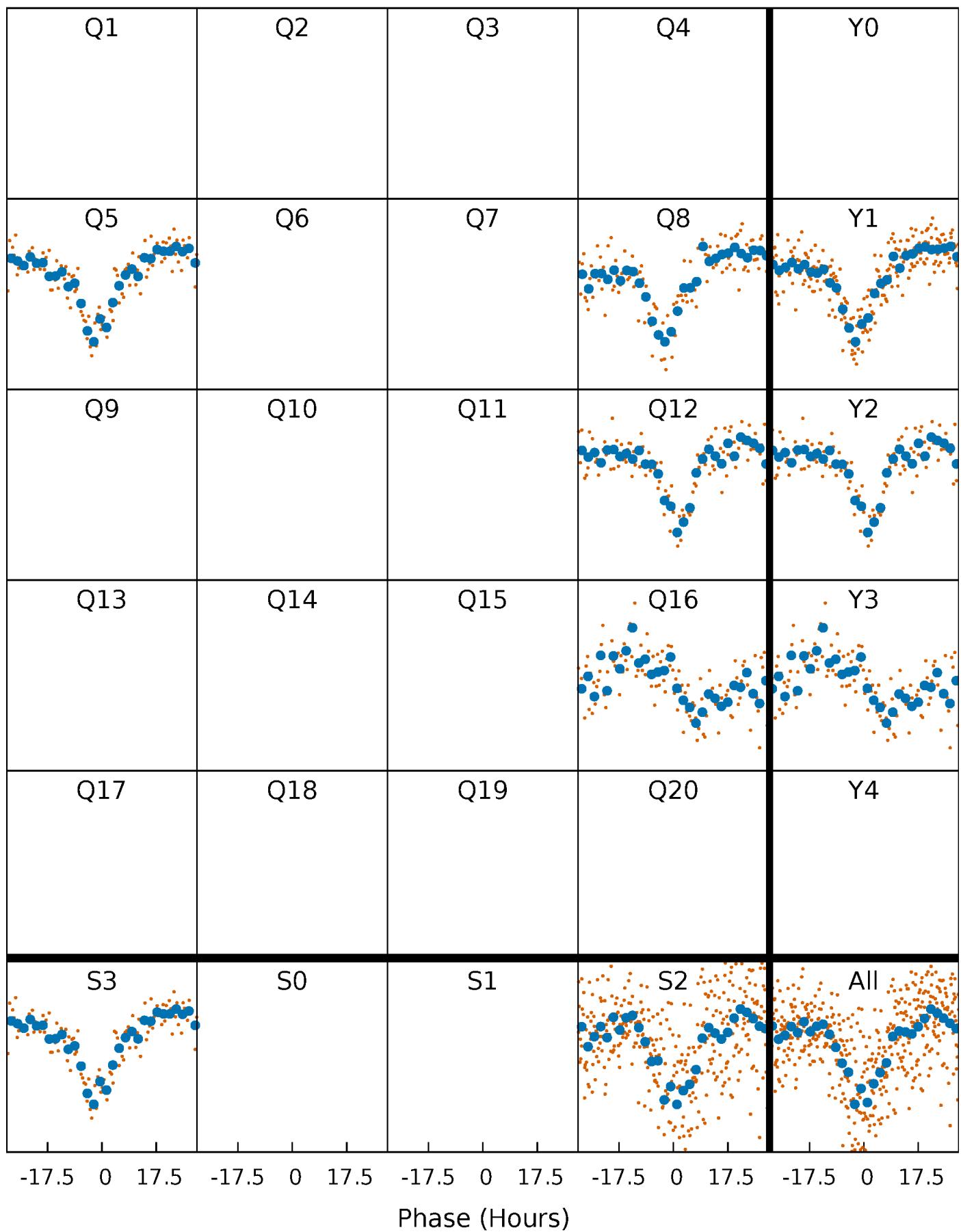


Non-Whitened Vs. Whitened Light Curve



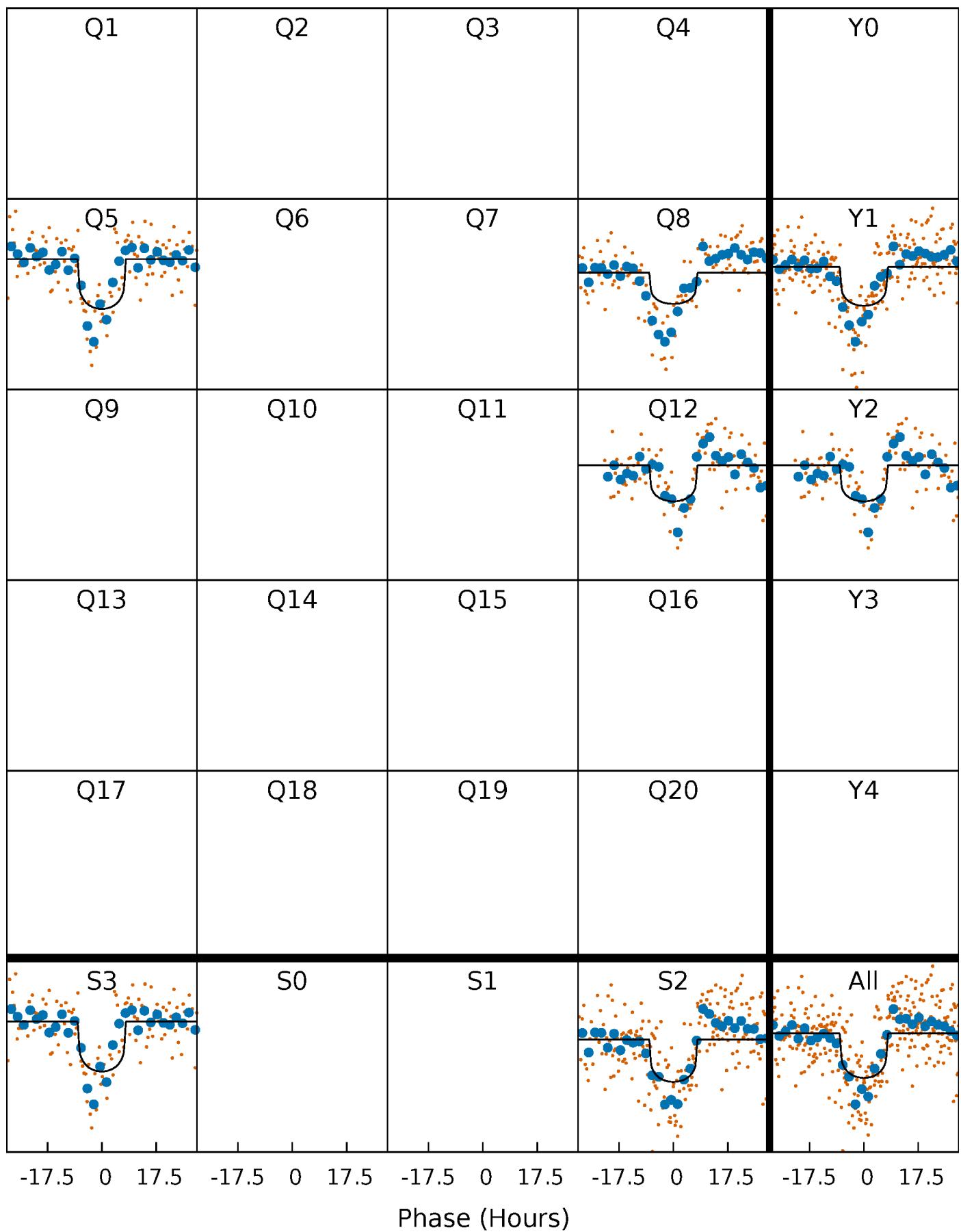
PDC Quarter-Phased Transit Curves

TCE 009896456-03 $P=342.451574$ Days $T_0=446.812562$ (BKJD)



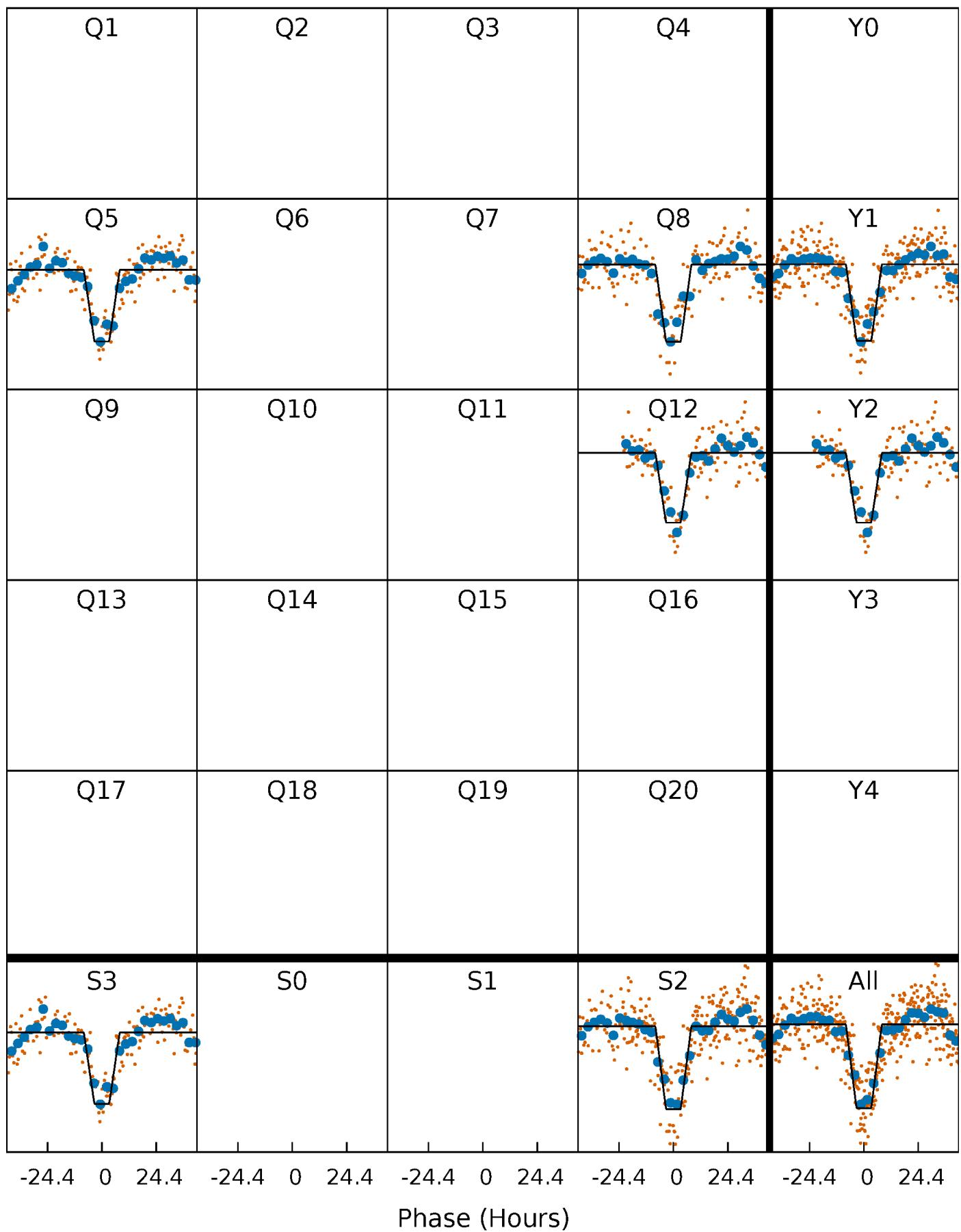
DV Quarter-Phased Transit Curves

TCE 009896456-03 $P=342.451574$ Days $T_0=446.812562$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

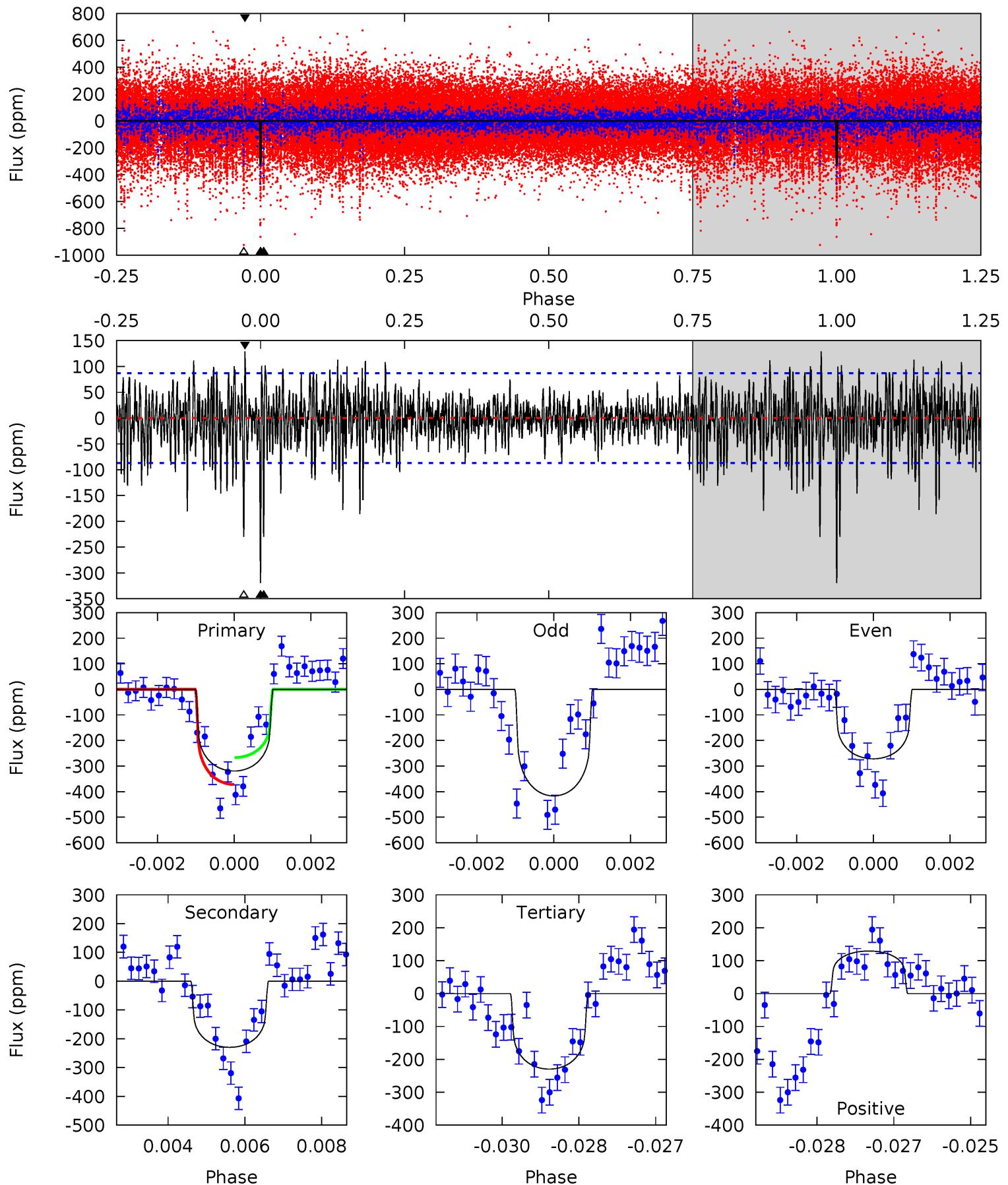
TCE 009896456-03 $P=342.514144$ Days $T_0=446.710509$ (BKJD)



DV Model-Shift Uniqueness Test

009896456-03, $P = 342.451574$ Days, $E = 104.360988$ Days

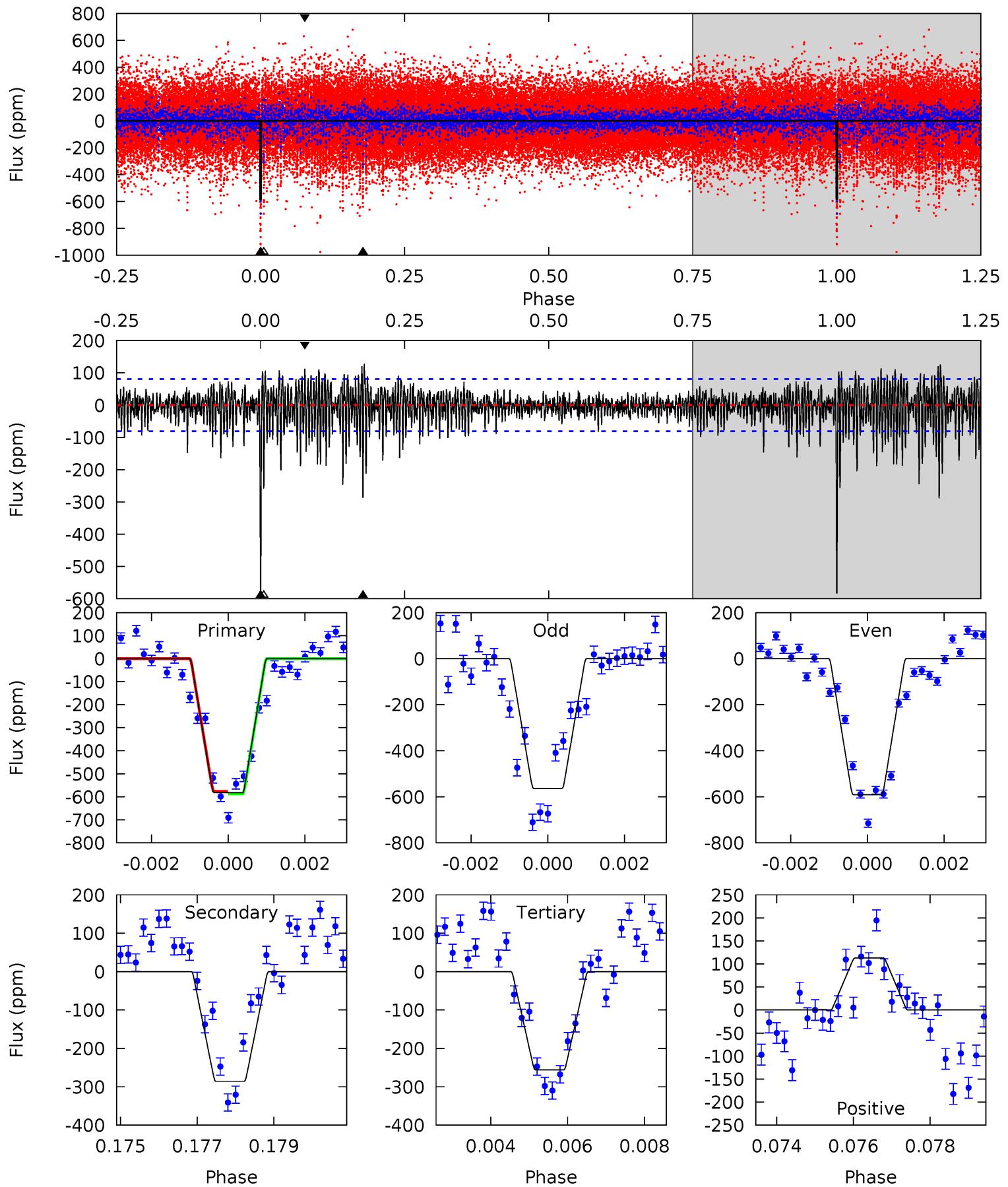
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.6	14.1	14.1	7.94	5.34	3.11	2.43	5.50	11.7	0.00	6.16	4.19	1.17	0.29	3.23



Alt Model-Shift Uniqueness Test

009896456-03, $P = 342.514144$ Days, $E = 104.196365$ Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
38.3	18.8	16.8	7.42	5.33	3.09	2.81	21.5	30.9	1.97	11.4	0.85	1.03	0.18	0.36



Stellar Parameters For KIC 009896456

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5676^{+152}_{-152}	$4.486^{+0.075}_{-0.175}$	$-0.260^{+0.300}_{-0.300}$	$0.876^{+0.226}_{-0.097}$	$0.857^{+0.115}_{-0.080}$	$1.794^{+0.575}_{-0.813}$
	$+3\%/-3\%$	$+2\%/-4\%$	$+115\%/-115\%$	$+26\%/-11\%$	$+13\%/-9\%$	$+32\%/-45\%$
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 009896456-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (\text{K})$	$T_{obs} (\text{K})$	A_{obs}
DV	-230 ± 16	$1.61^{+0.86}_{-0.84}$	348^{+20}_{-17}	5516^{+2500}_{-927}	$40863^{+122582}_{-23543}$
Alt.	-286 ± 15	$2.50^{+0.97}_{-0.87}$	348^{+22}_{-17}	4764^{+970}_{-553}	21204^{+27192}_{-10442}

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

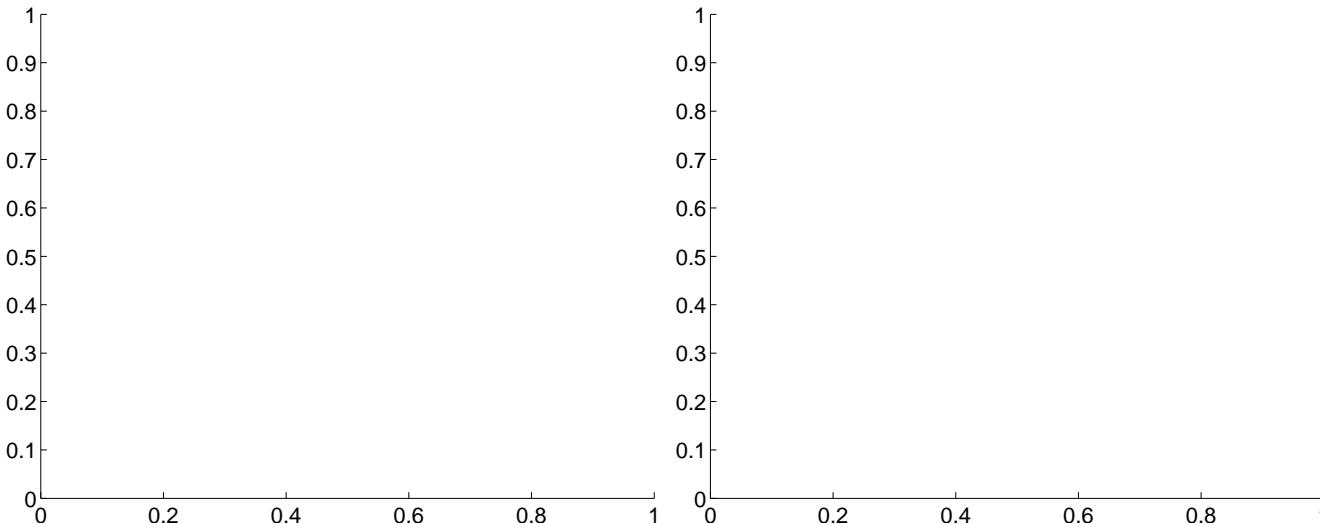
Supplemental centroid analysis for 009896456-03. Kepler magnitude: 13.56. Transit SNR 7.06

There are 0 quarters with good PRF difference image offsets

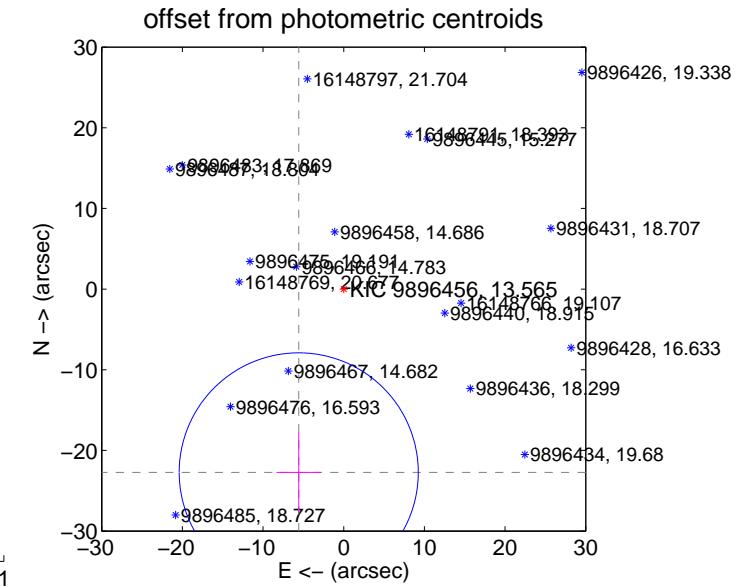
The direct PRF centroid is offset from the target star catalog position by about NaN arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	—	—	—	—
PRF-fit source offset from KIC position	—	—	—	—
photometric centroid source offset	23.39 ± 4.94	4.74	5.58 ± 2.76	-22.72 ± 5.04

There is no PRF-fit offset from OOT-fit



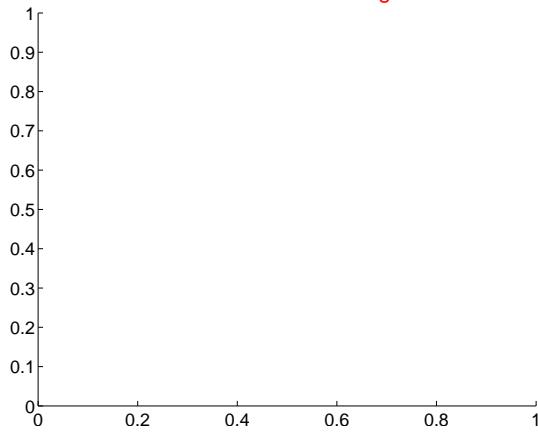
There is no PRF-fit offset from KIC



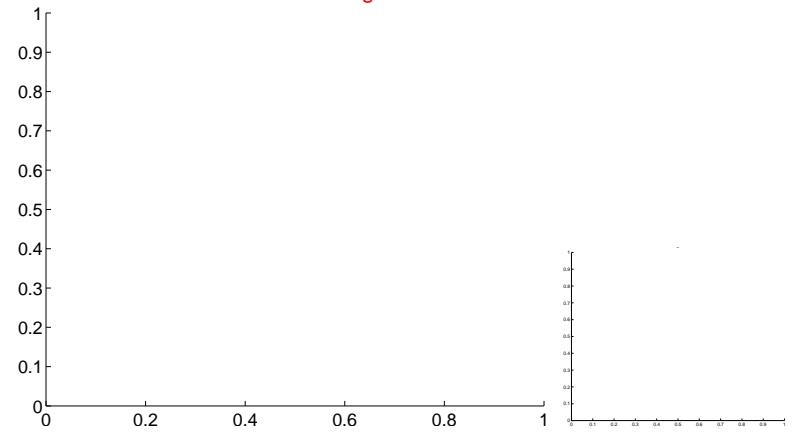
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

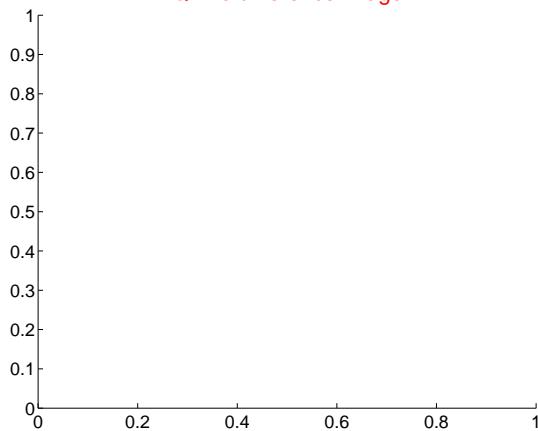
Q1 no difference image



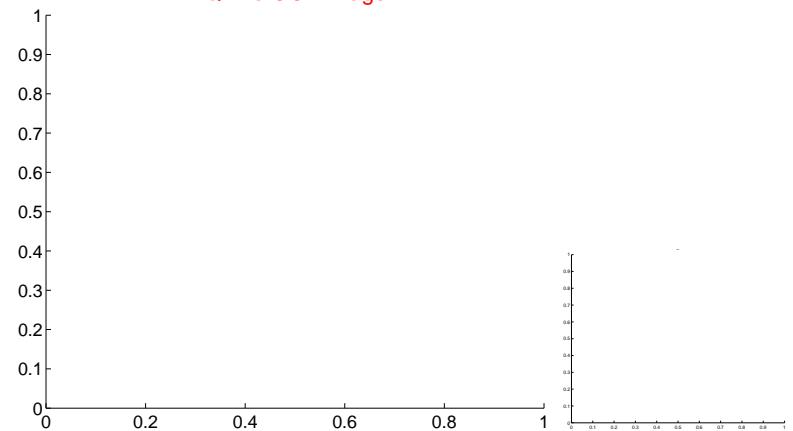
Q1 no OOT image



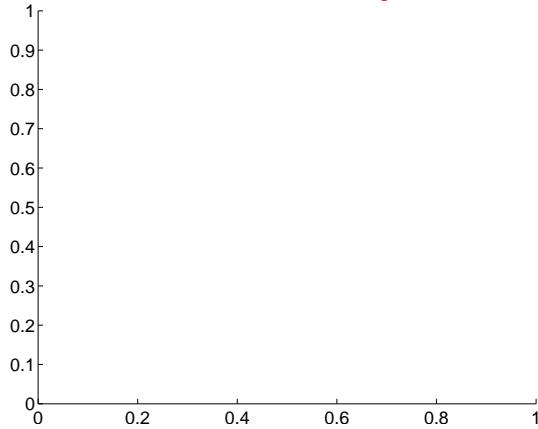
Q2 no difference image



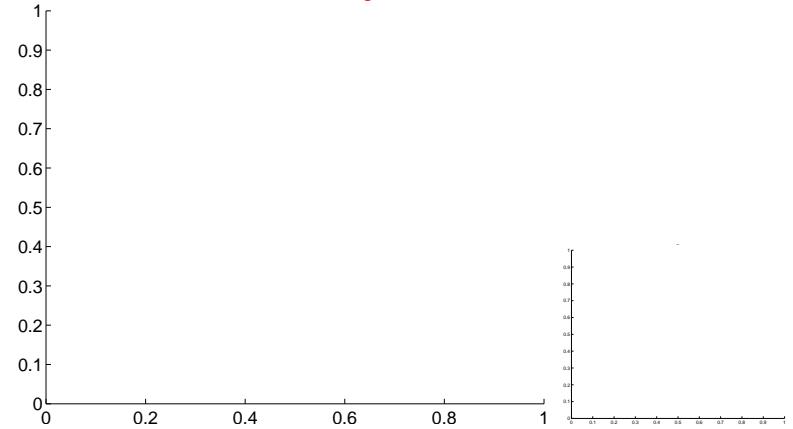
Q2 no OOT image



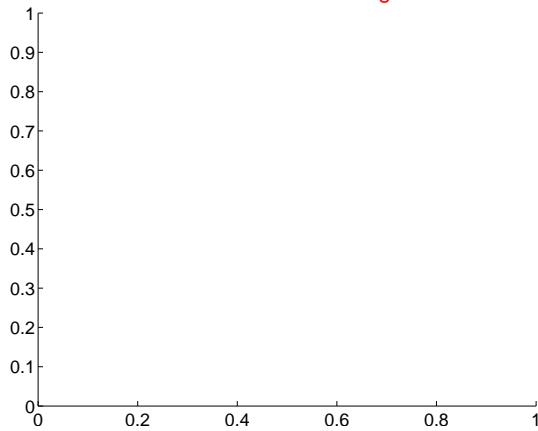
Q3 no difference image



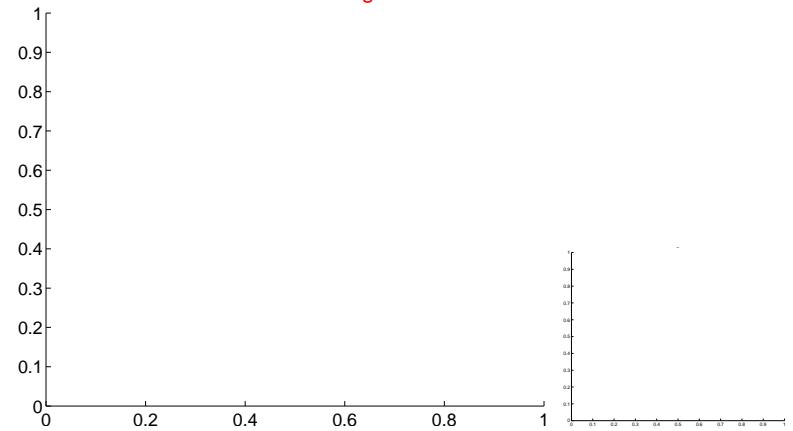
Q3 no OOT image



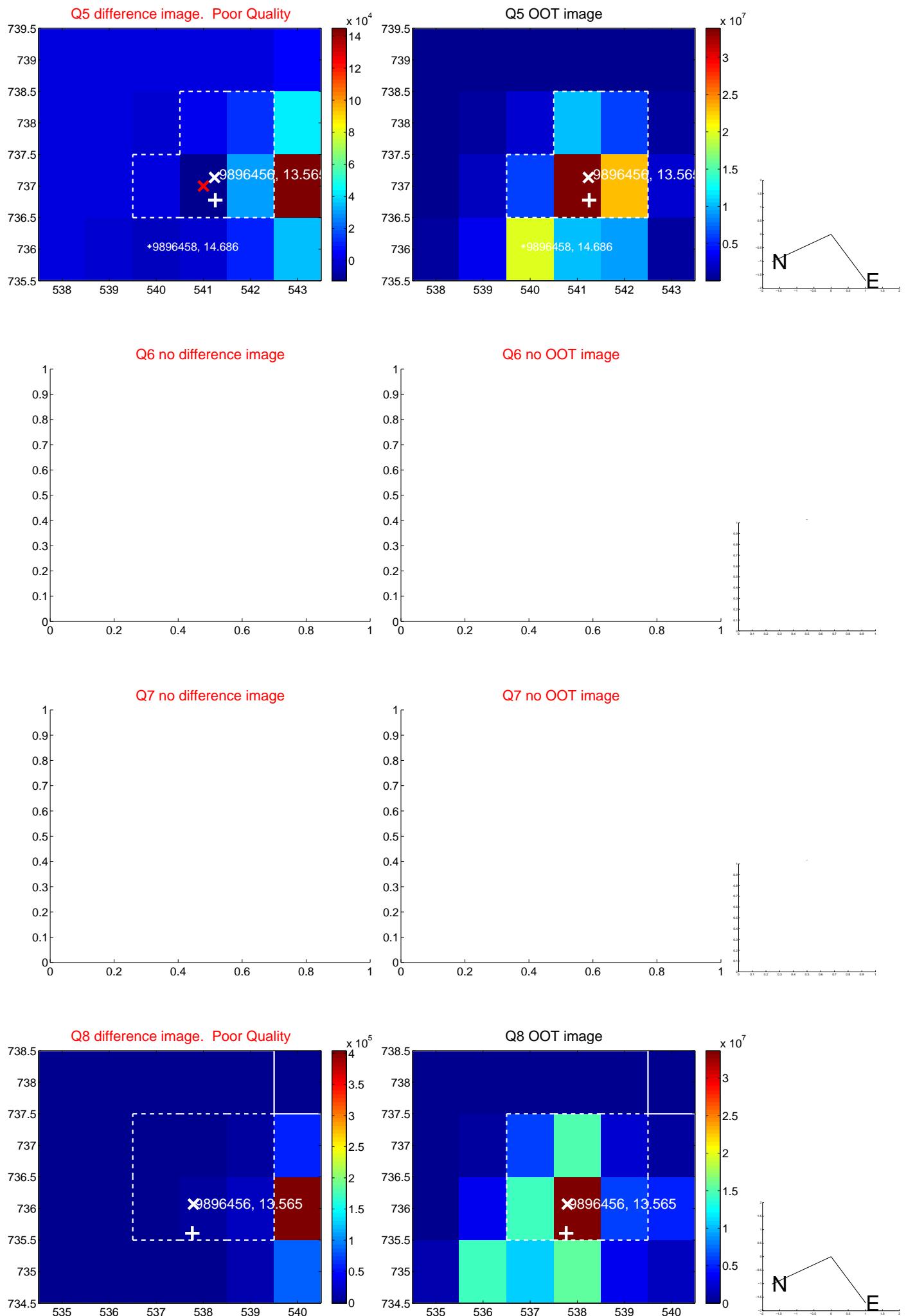
Q4 no difference image



Q4 no OOT image

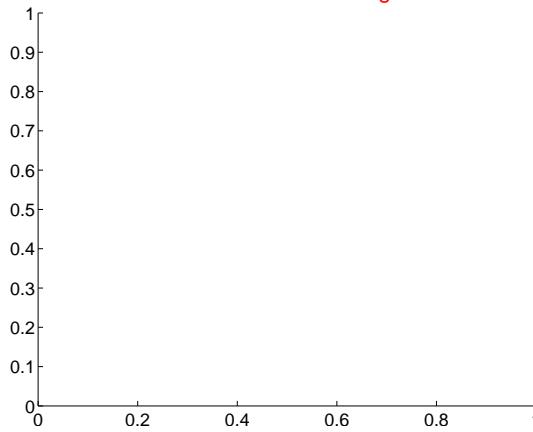


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

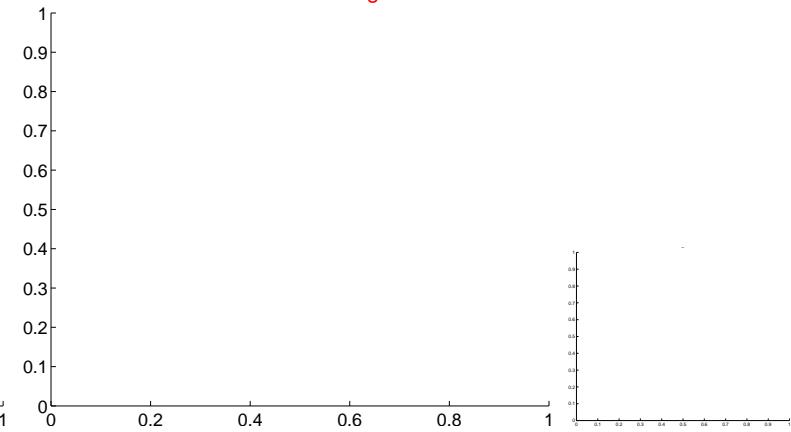


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red X : large negative pixel value.

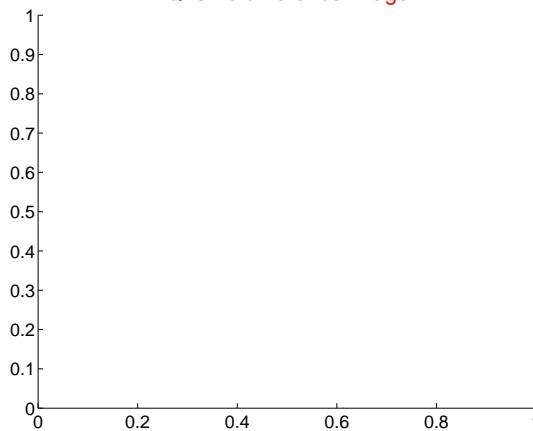
Q9 no difference image



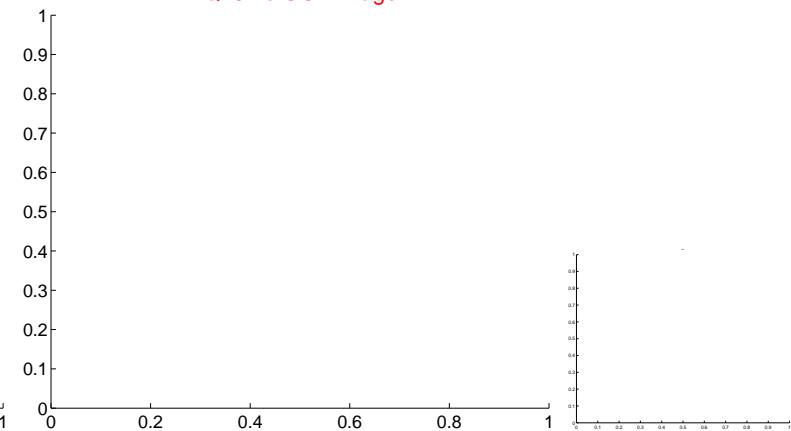
Q9 no OOT image



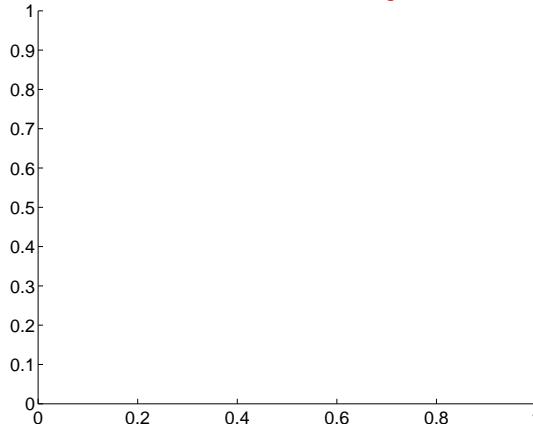
Q10 no difference image



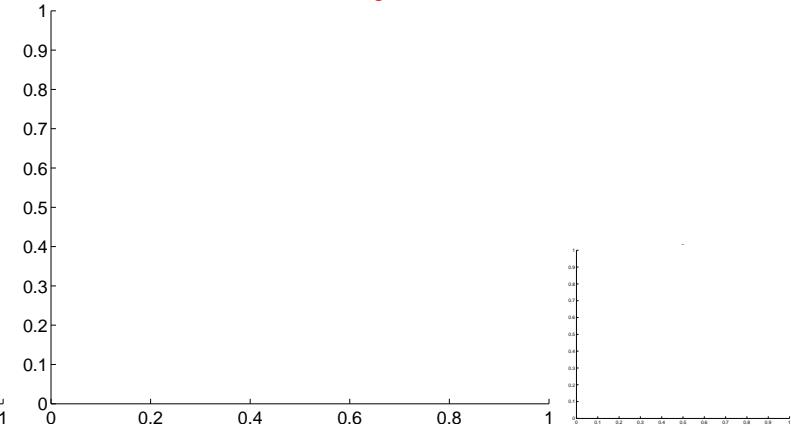
Q10 no OOT image



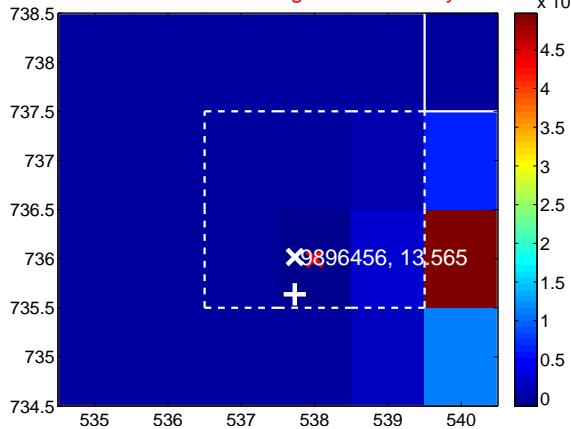
Q11 no difference image



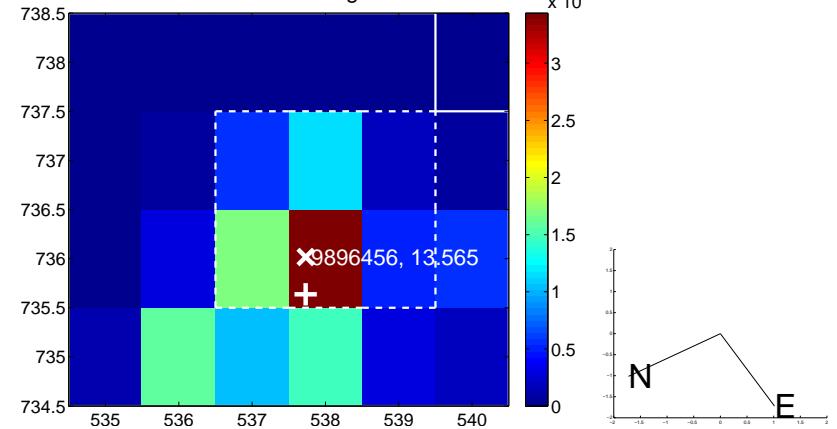
Q11 no OOT image



Q12 difference image. Poor Quality

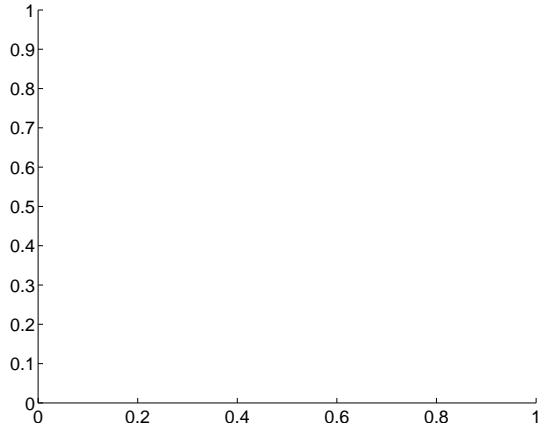


Q12 OOT image

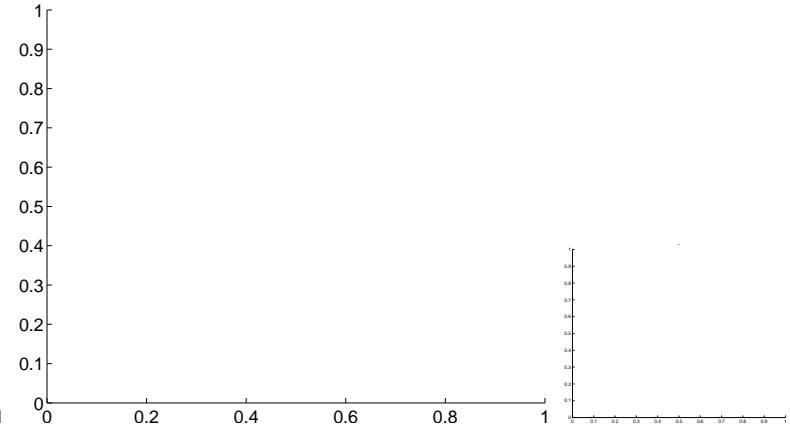


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

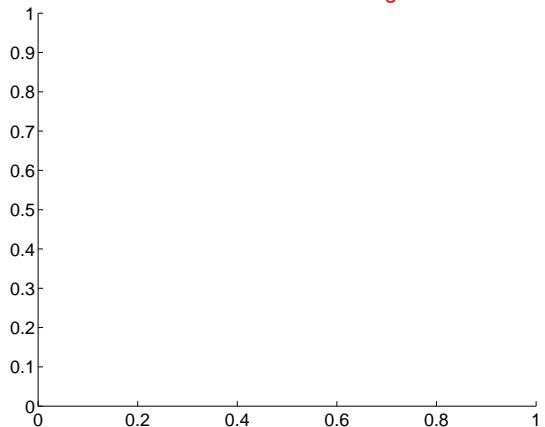
Q13 no difference image



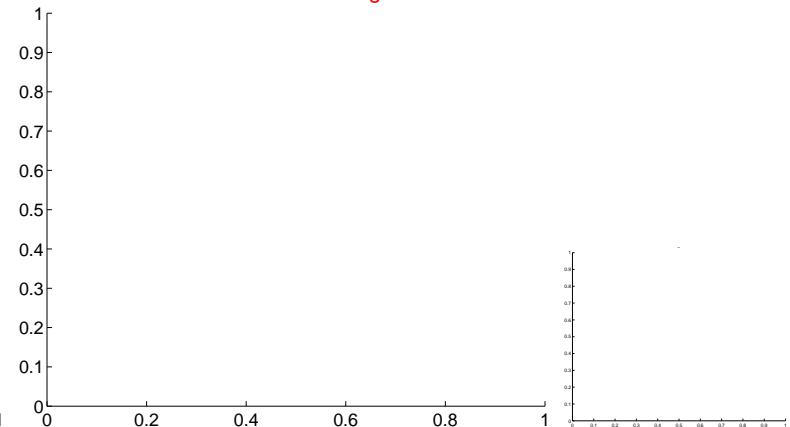
Q13 no OOT image



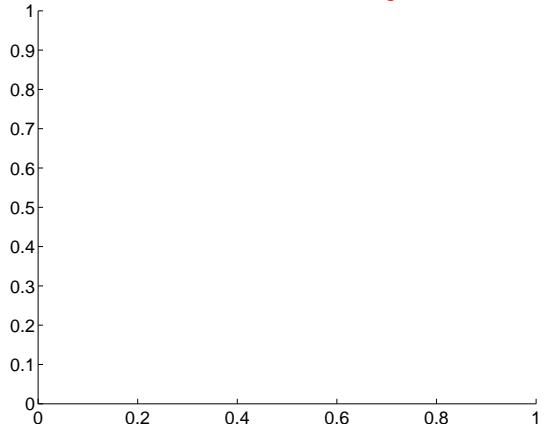
Q14 no difference image



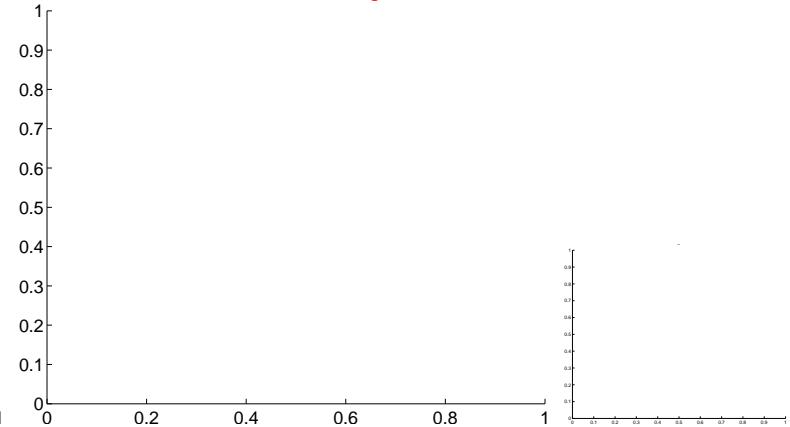
Q14 no OOT image



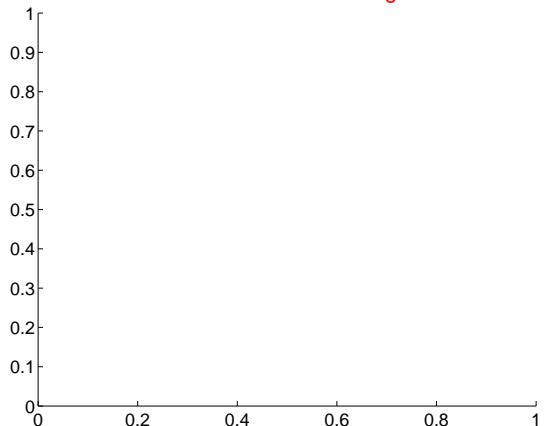
Q15 no difference image



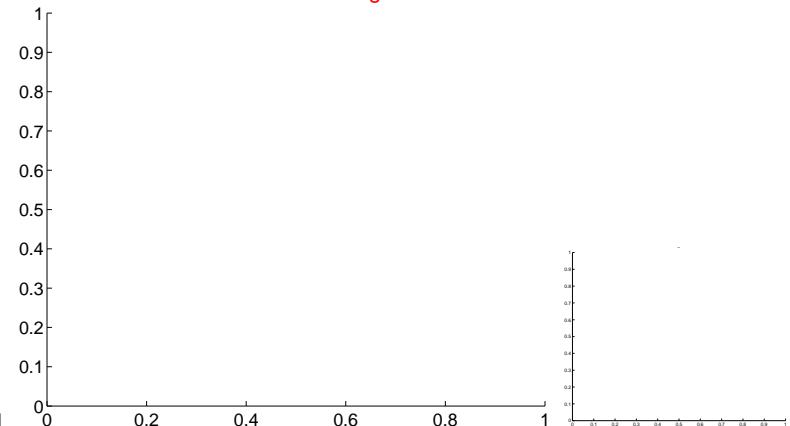
Q15 no OOT image



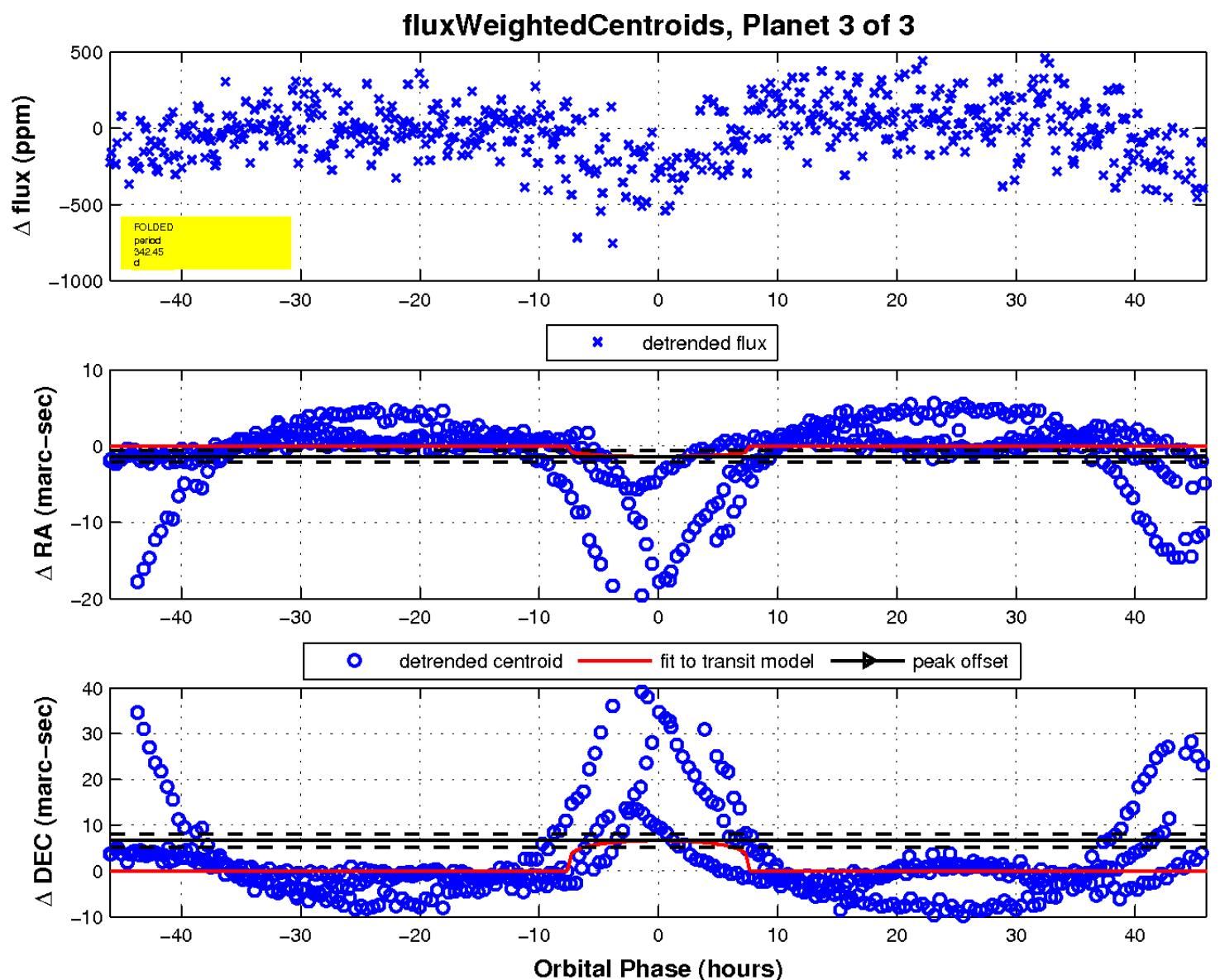
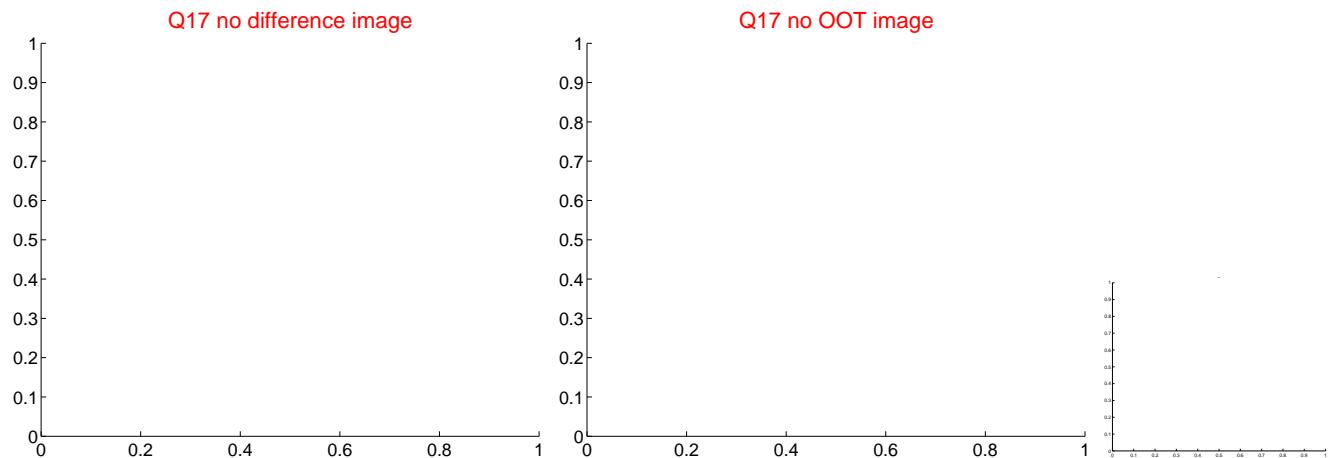
Q16 no difference image



Q16 no OOT image



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



UKIRT Image

Declination

