

KIC 006756669

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})
006756669-01	OBS	0862.01	5.851522	132.862079	33077.7	3.170	1762.9	1661.9	0.81	5532	14.77	156.18
006756669-02	OBS	No	5.851509	135.800878	506.7	3.426	26.6	29.5	0.81	5532	2.16	156.18
006756669-03	OBS	No	5.851217	132.659094	69.0	45.327	7.4	9.2	0.81	5532	0.66	156.19

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006756669-01	OBS	FP	0.00	0	1	0	0	MOD_SEC_DV—MOD_SEC_ALT—HAS_SEC_TCE
006756669-02	OBS	FP	0.00	1	1	0	0	IS_SEC_TCE
006756669-03	OBS	FP	0.00	1	0	0	0	LPP_DV—RESIDUAL_TCE

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.

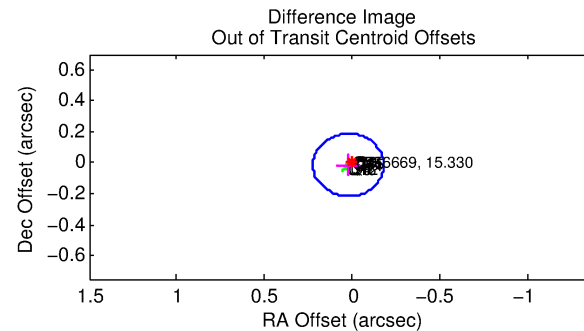
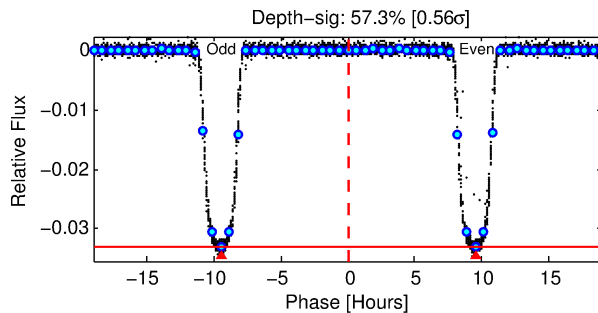
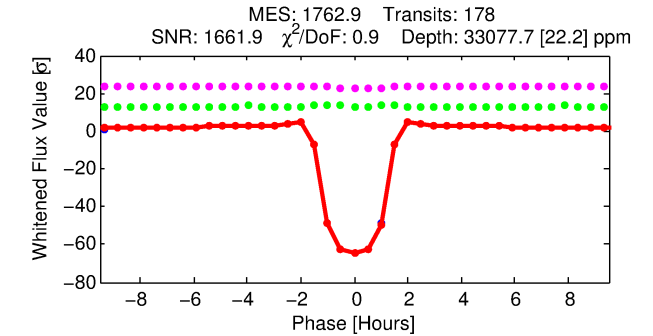
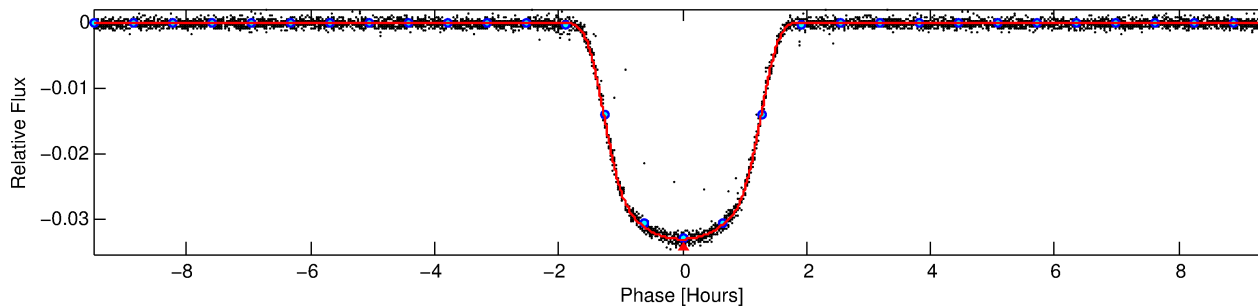
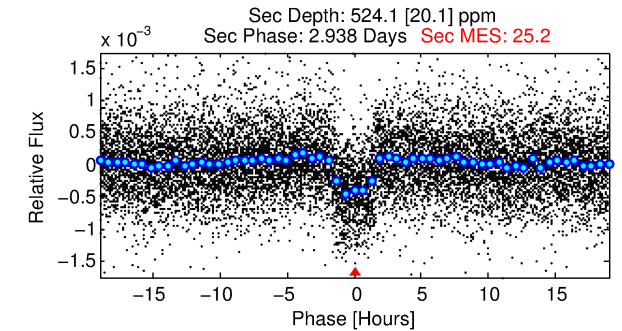
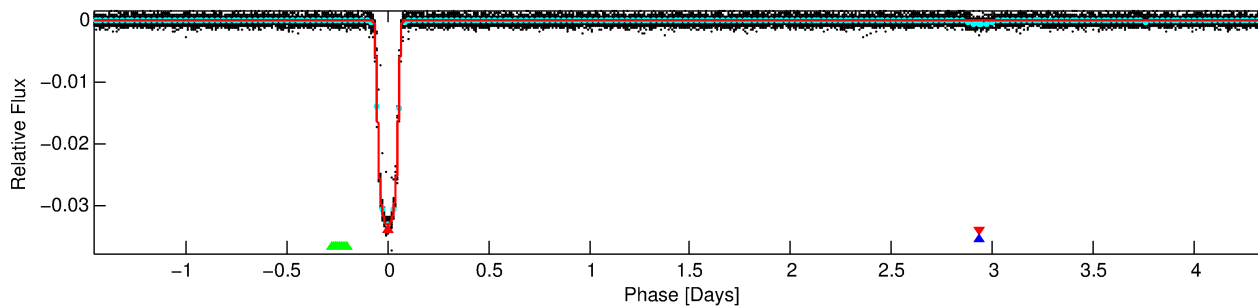
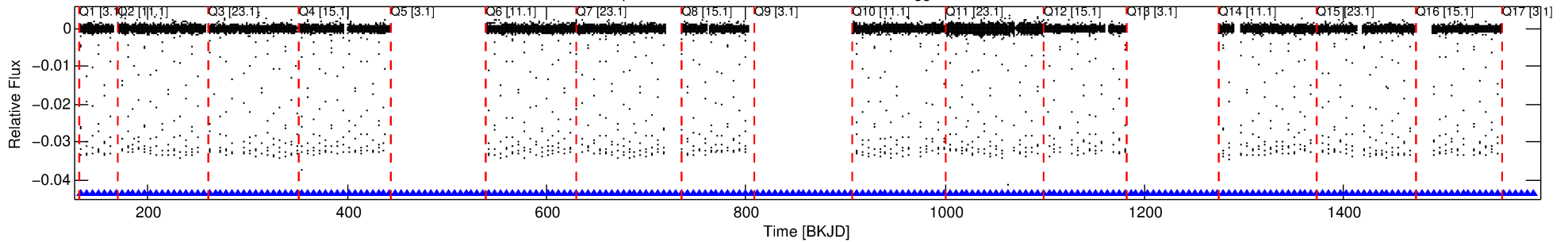
Ephemeris Match Information For 006756669-01

No Significant Match Found

DV One-Page Summary

KIC: 6756669 Candidate: 1 of 3 Period: 5.852 d
KOI: K00862.01 Corr: 0.991

Kp: 15.33 R*: 0.81 Rs Teff: 5532.0 K Logg: 4.53 Fe/H: -0.340



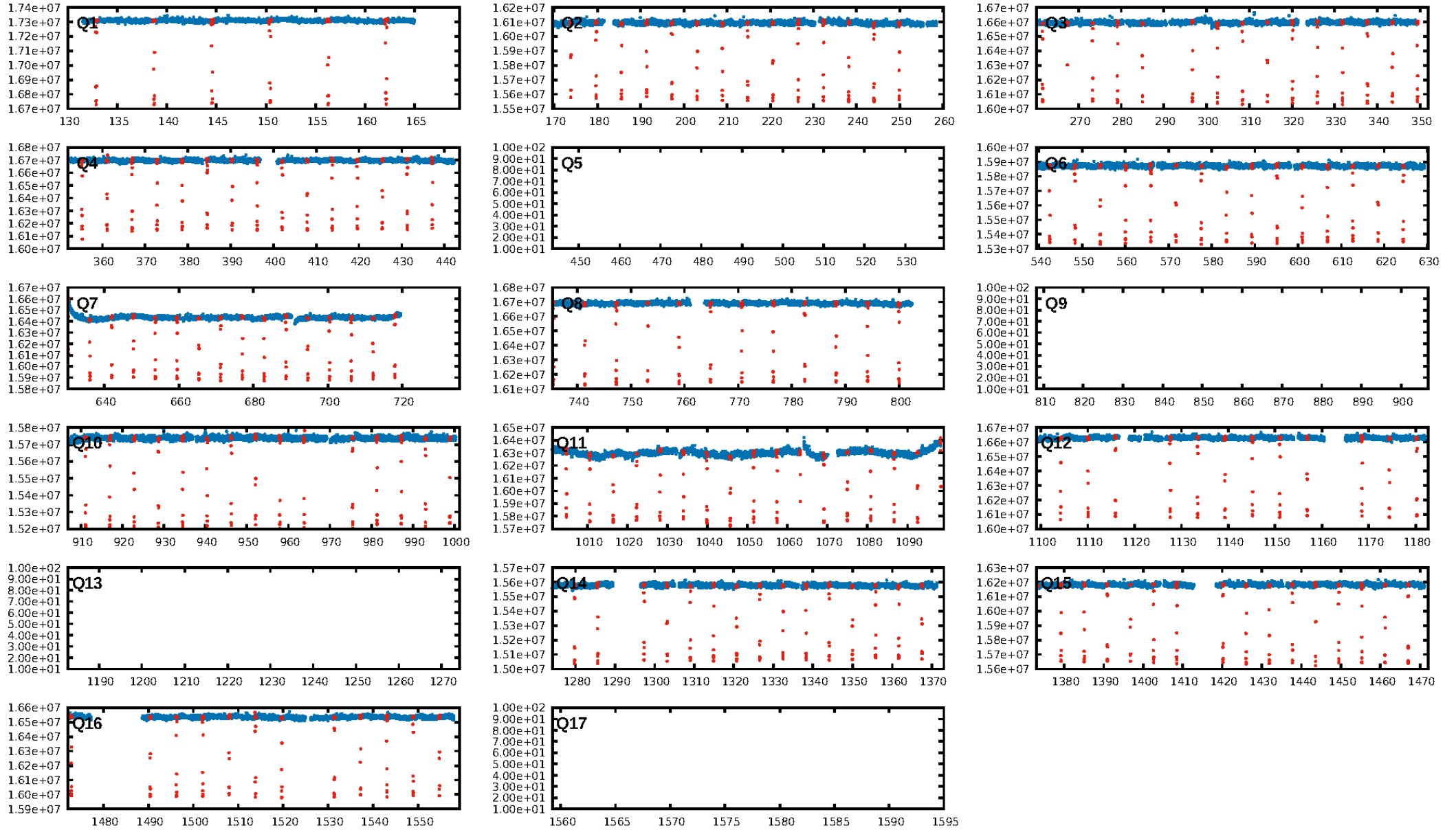
DV Fit Results:

Period = 5.85152 [0.00000] d
Epoch = 132.8621 [0.0000] BKJD
Rp/R* = 0.1679 [0.0002]
a/R* = 15.63 [0.07]
b = 0.37 [0.01]
Seff = 156.18 [41.95]
Teq = 901 [61] K
Rp = 14.77 [2.95] Re
a = 0.0591 [0.0098] AU
Ag = 4.61 [1.12] [3.22σ]
Teffp = 2042 [65] K [12.88σ]

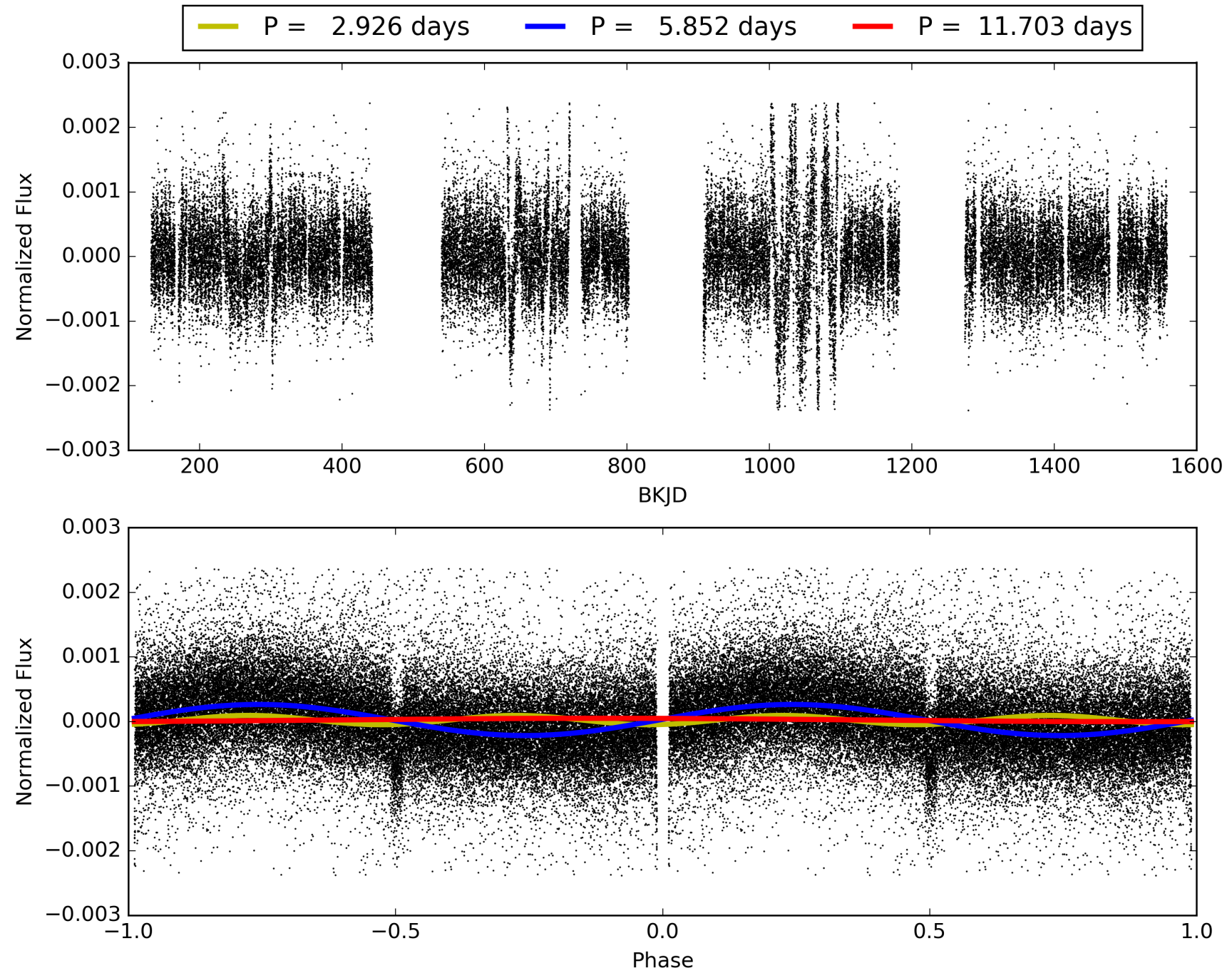
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 0.0%
ModelChiSquareGof-sig: 99.9%
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [172/172]
GhostDiagnostic-chr: 4.45
Centroid-sig: 0.2%
Centroid-so: 0.197 arcsec [23.21σ]
OotOffset-rm: 0.027 arcsec [0.41σ]
KicOffset-rm: 0.173 arcsec [2.29σ]
OotOffset-st: 4/4/4/1 [13]
KicOffset-st: 4/4/4/1 [13]
DiffImageQuality-fgm: 1.00 [13/13]
DiffImageOverlap-fno: 0.00 [0/13]

TCE 006756669-01, PDC Light Curves

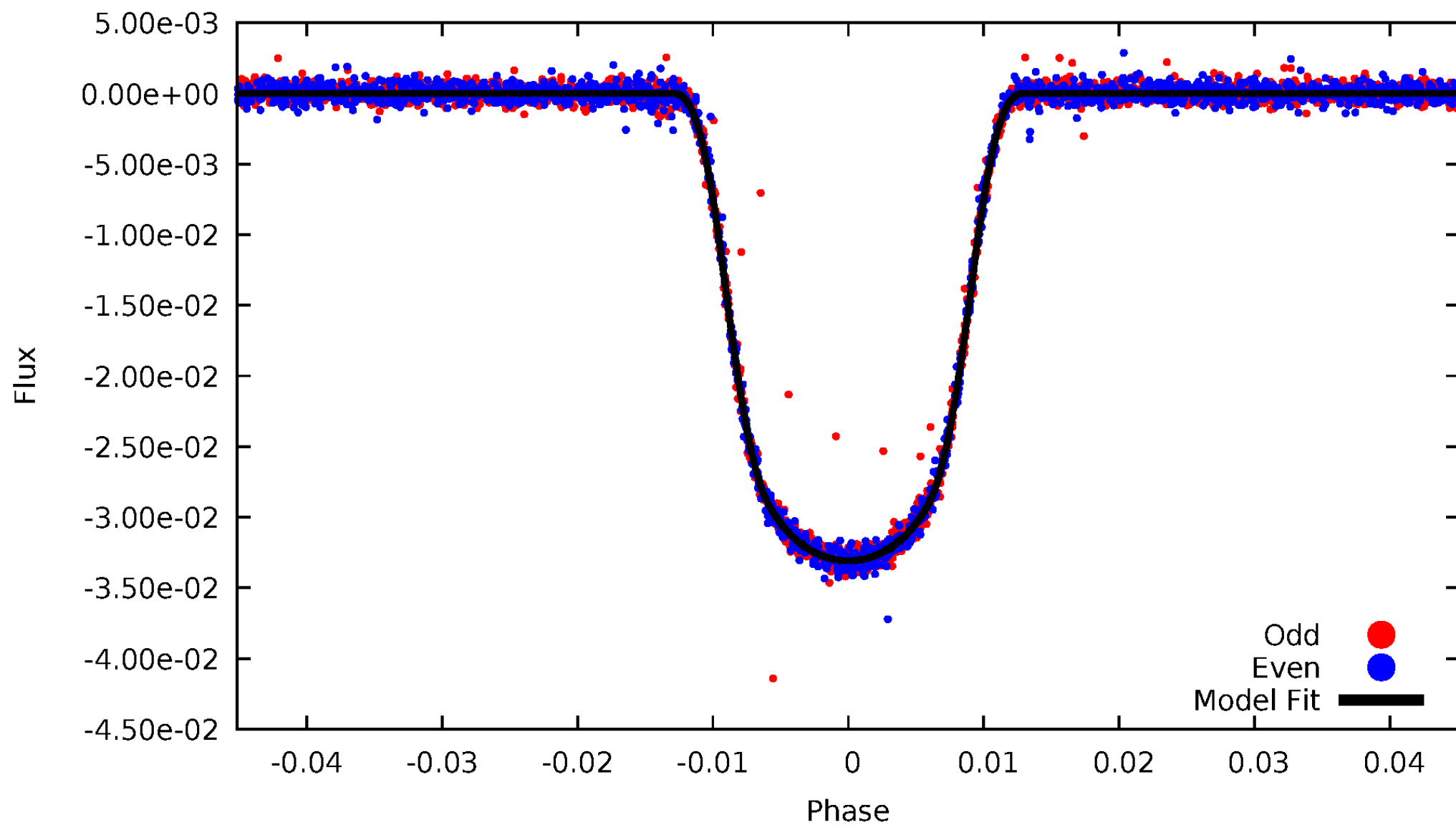


TCE 006756669-01



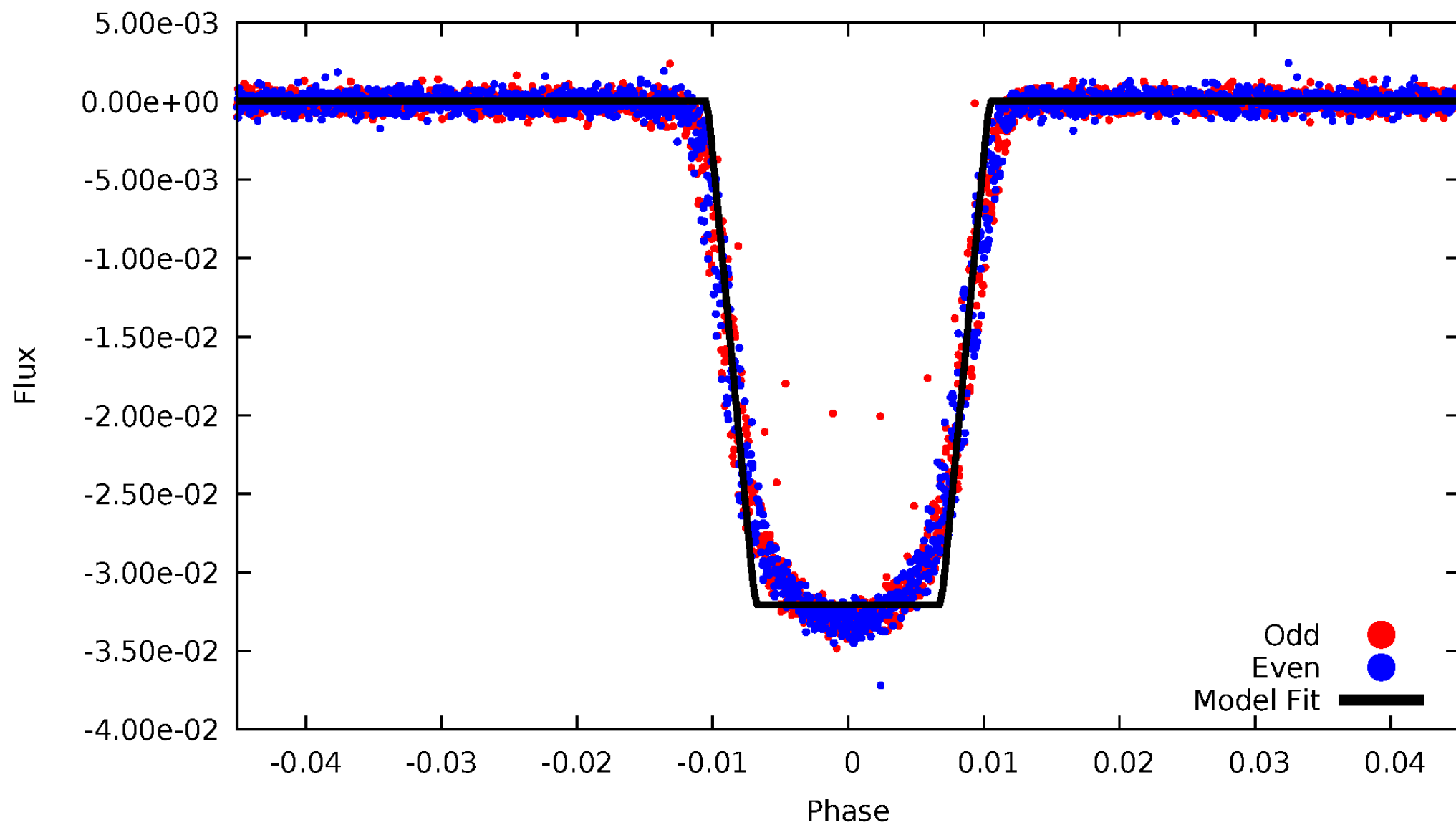
DV Odd/Even

TCE 006756669-01



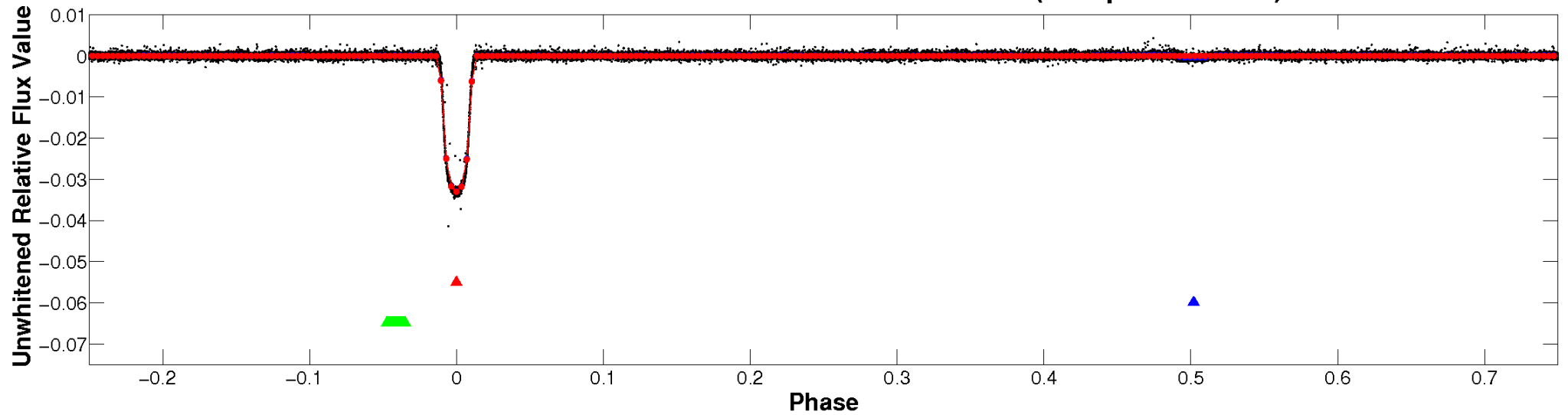
ALT Odd/Even

TCE 006756669-01

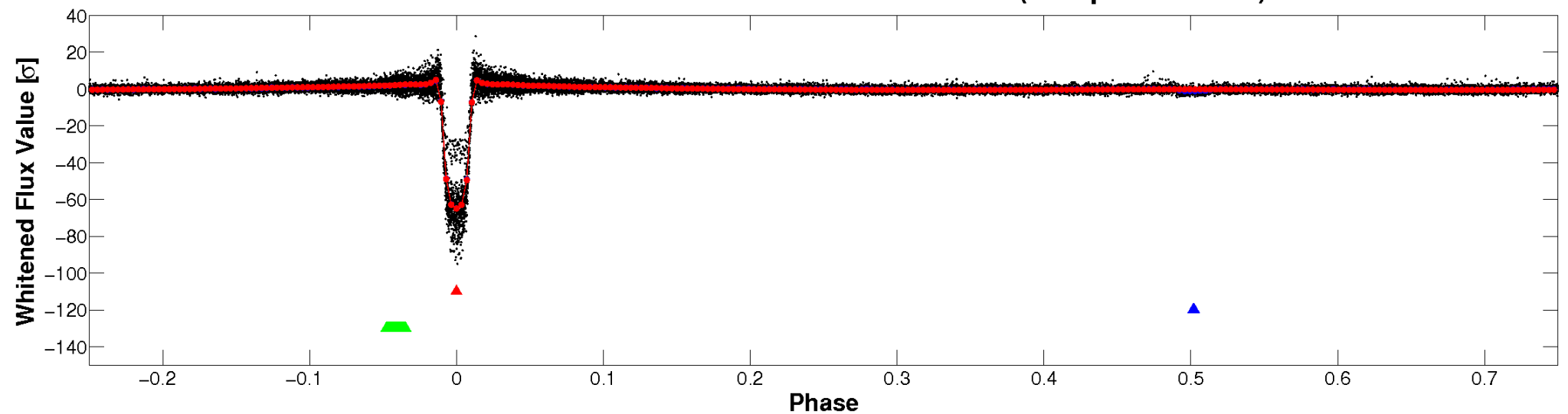


Non-Whitened Vs. Whitened Light Curve

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

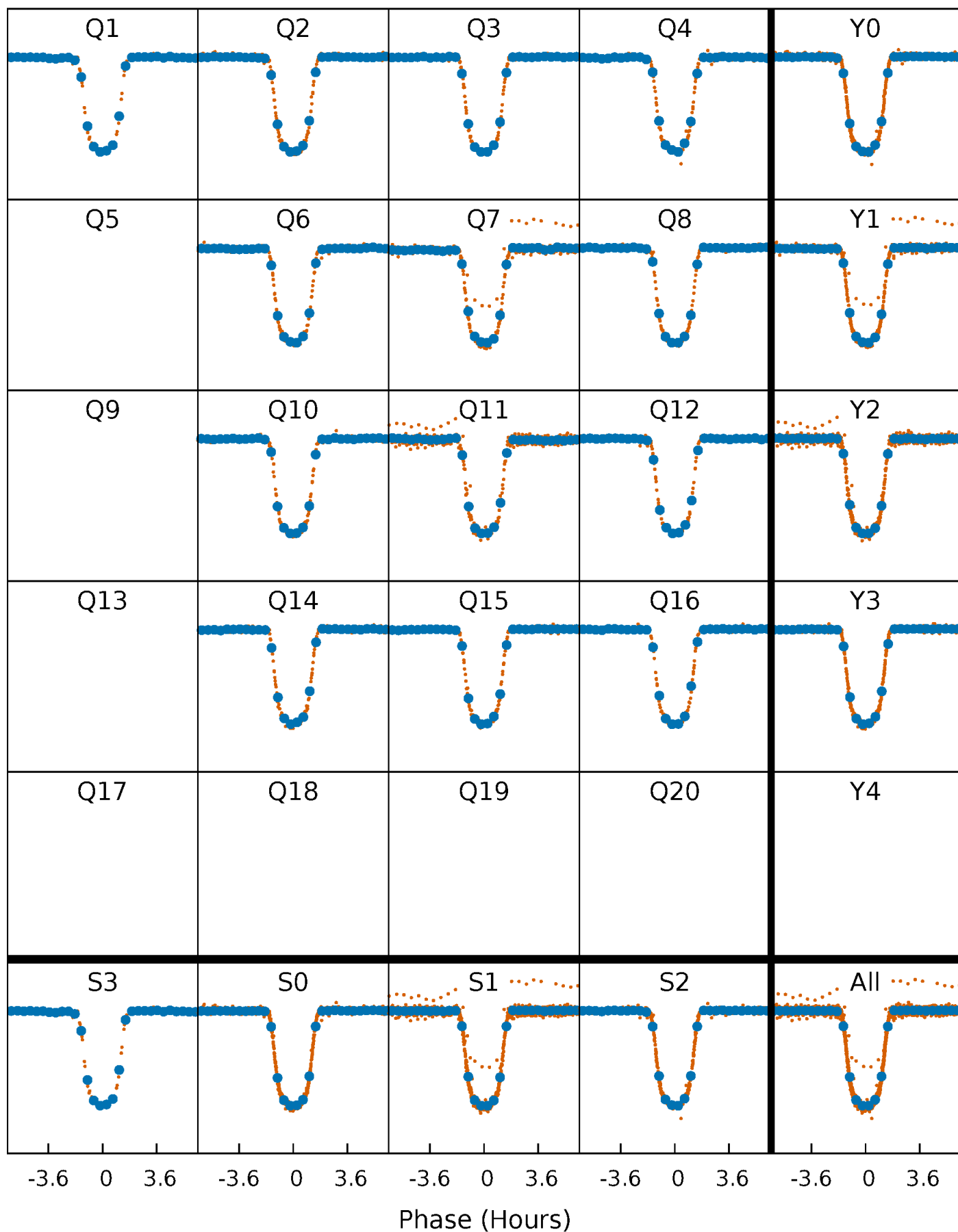


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



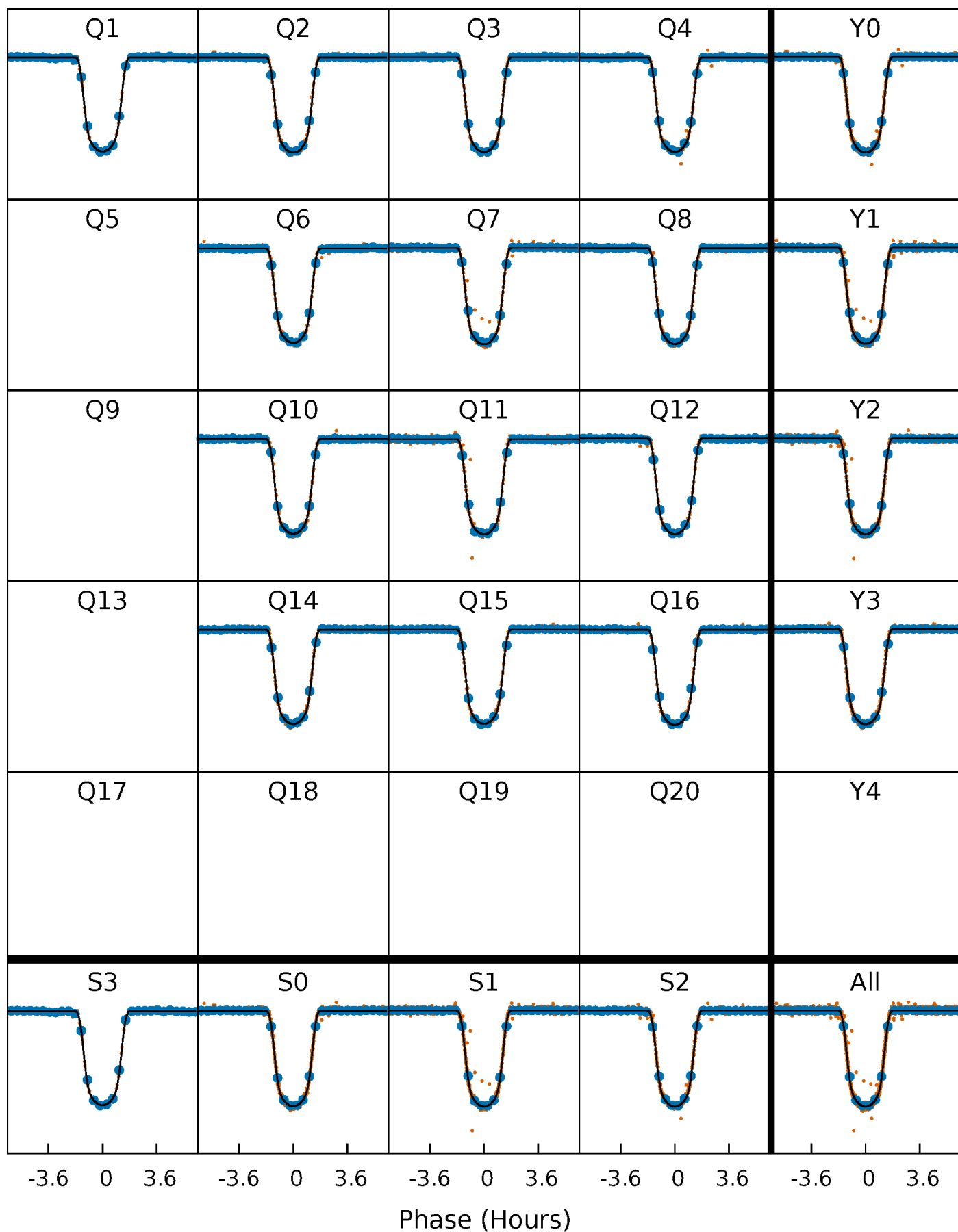
PDC Quarter-Phased Transit Curves

TCE 006756669-01 P= 5.851522 Days $T_0=132.862079$ (BKJD)



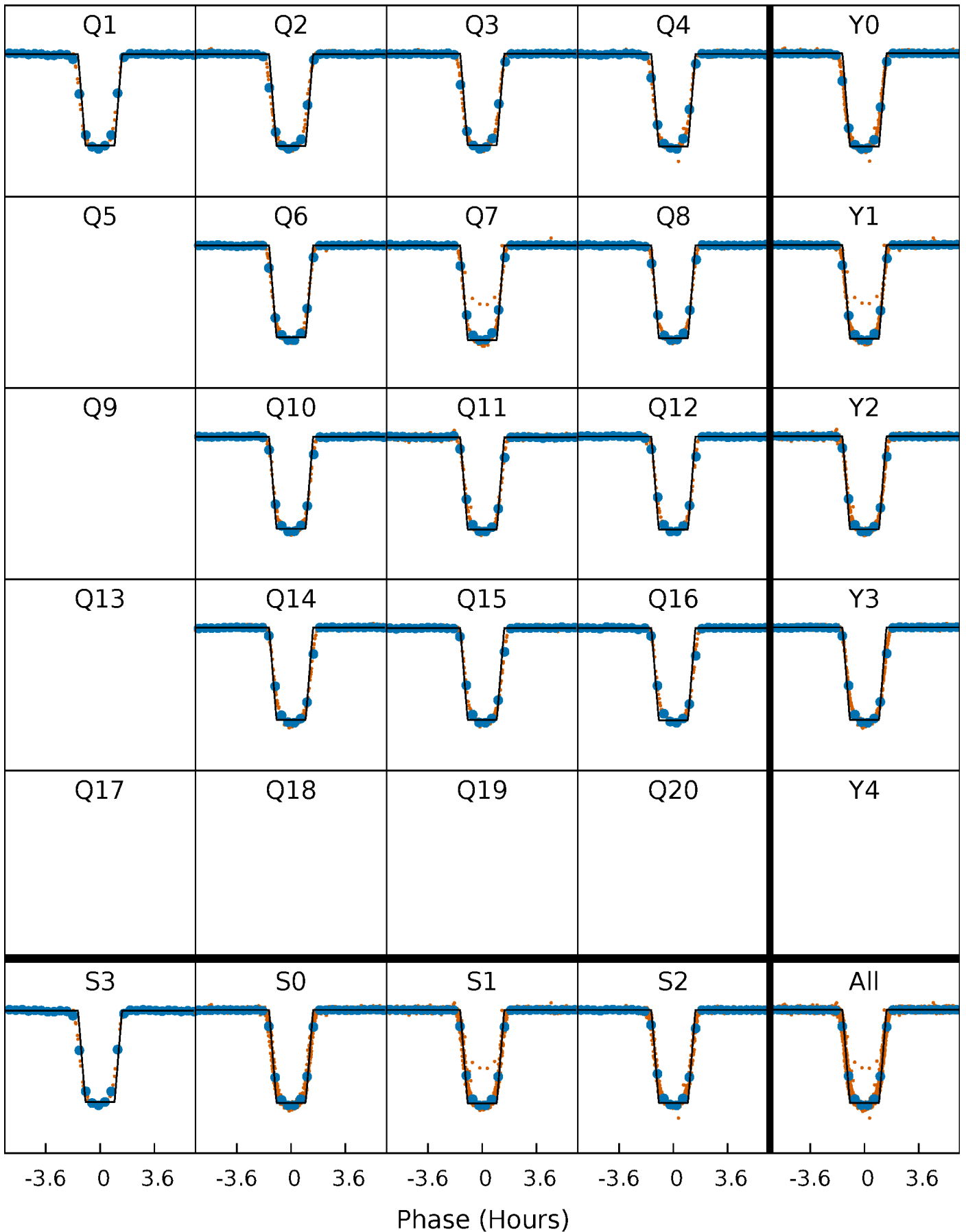
DV Quarter-Phased Transit Curves

TCE 006756669-01 P= 5.851522 Days $T_0=132.862079$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

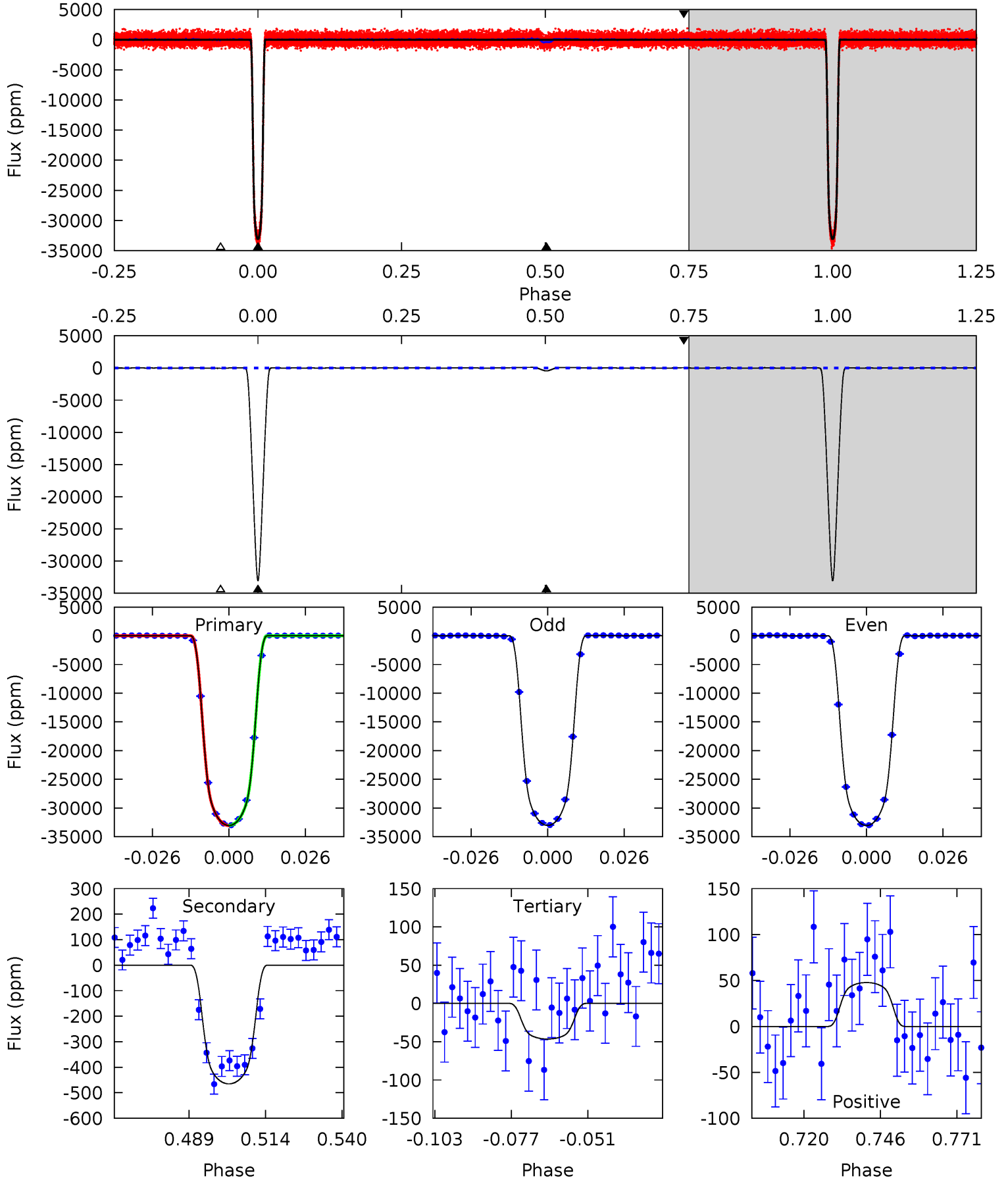
TCE 006756669-01 P= 5.851483 Days $T_0=132.866671$ (BKJD)



DV Model-Shift Uniqueness Test

006756669-01, P = 5.851522 Days, E = 127.010557 Days

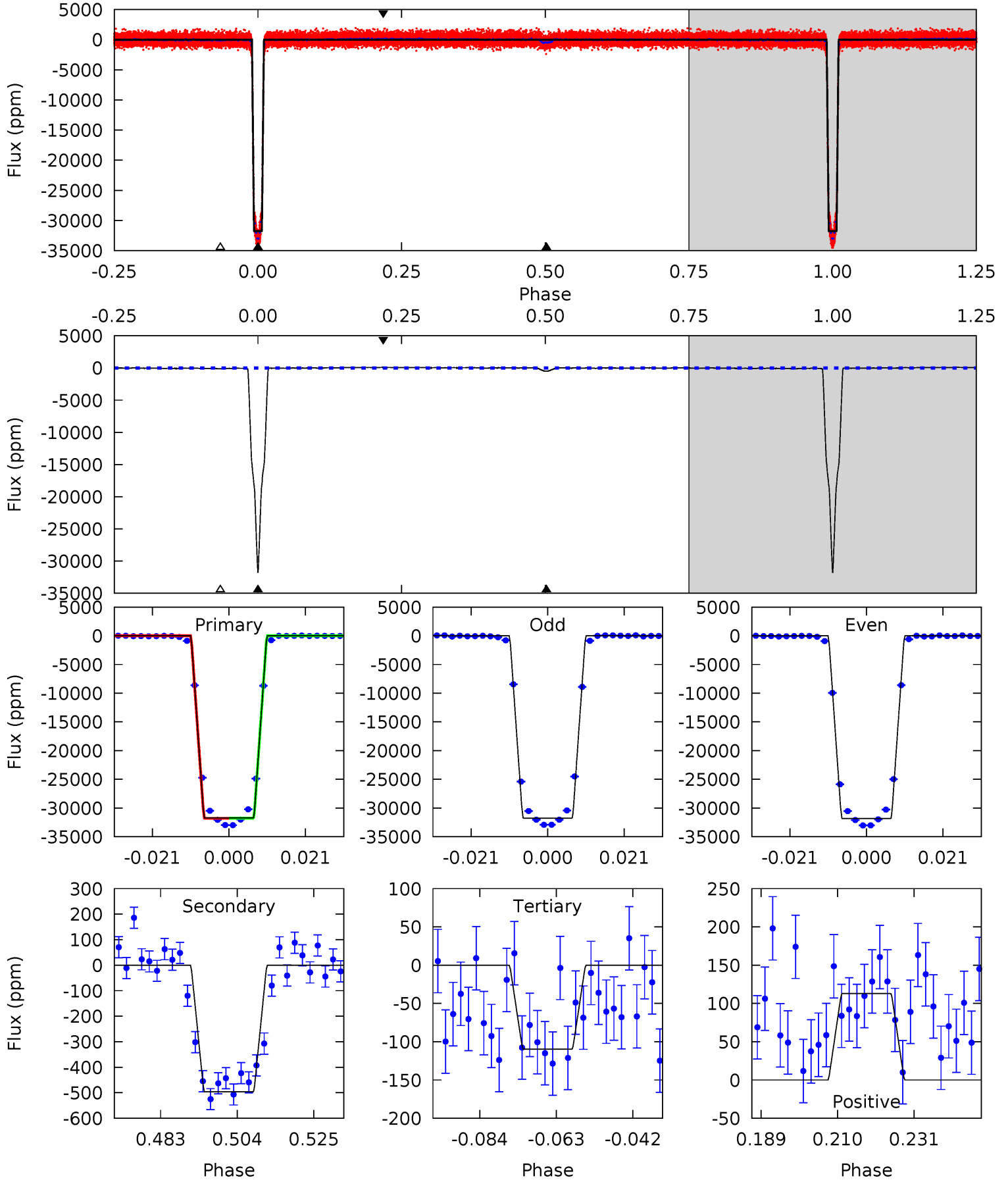
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2565	36.1	3.61	3.71	4.84	2.23	2.13	2562	2562	32.5	32.4	0.55	0.99	0.00	1.24



Alt Model-Shift Uniqueness Test

006756669-01, P = 5.851483 Days, E = 127.015188 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
1838	28.7	6.35	6.53	4.88	2.31	2.59	1831	1831	22.4	22.2	2.22	0.99	0.00	0.62



Stellar Parameters For KIC 006756669

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	5532^{+167}_{-167}	$4.530^{+0.070}_{-0.130}$	$-0.340^{+0.300}_{-0.300}$	$0.806^{+0.161}_{-0.087}$	$0.804^{+0.100}_{-0.072}$	$2.161^{+0.622}_{-0.813}$
	+3%/-3%	+2%/-3%	+88%/-88%	+20%/-11%	+12%/-9%	+29%/-38%
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 006756669-01 / KOI 0862.01

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-465 ± 13	$14.90^{+1.69}_{-0.97}$	1271^{+66}_{-60}	2712^{+47}_{-48}	$3.969^{+0.548}_{-0.641}$
Alt.	-496 ± 17	$15.87^{+1.77}_{-1.07}$	1268^{+72}_{-62}	2690^{+45}_{-51}	$3.772^{+0.526}_{-0.675}$

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 $A_{obs} \gg 1.0$

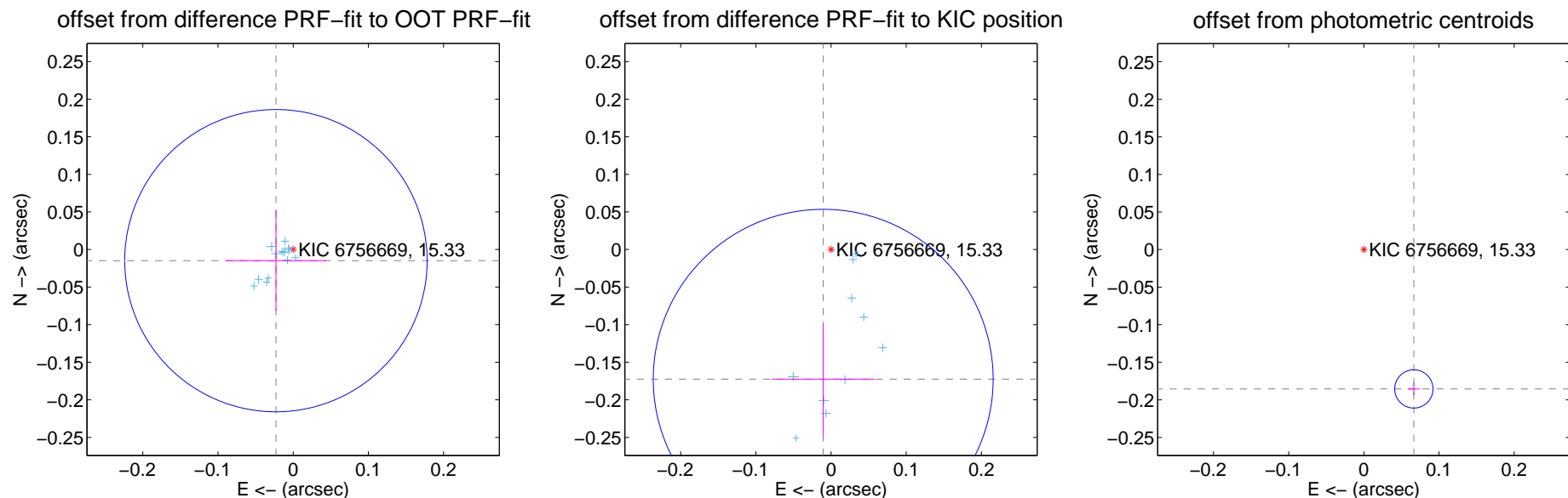
DV Centroid Data

Supplemental centroid analysis for 006756669-01. Kepler magnitude: 15.33. Transit SNR 1661.87

There are 13 quarters with good PRF difference image offsets

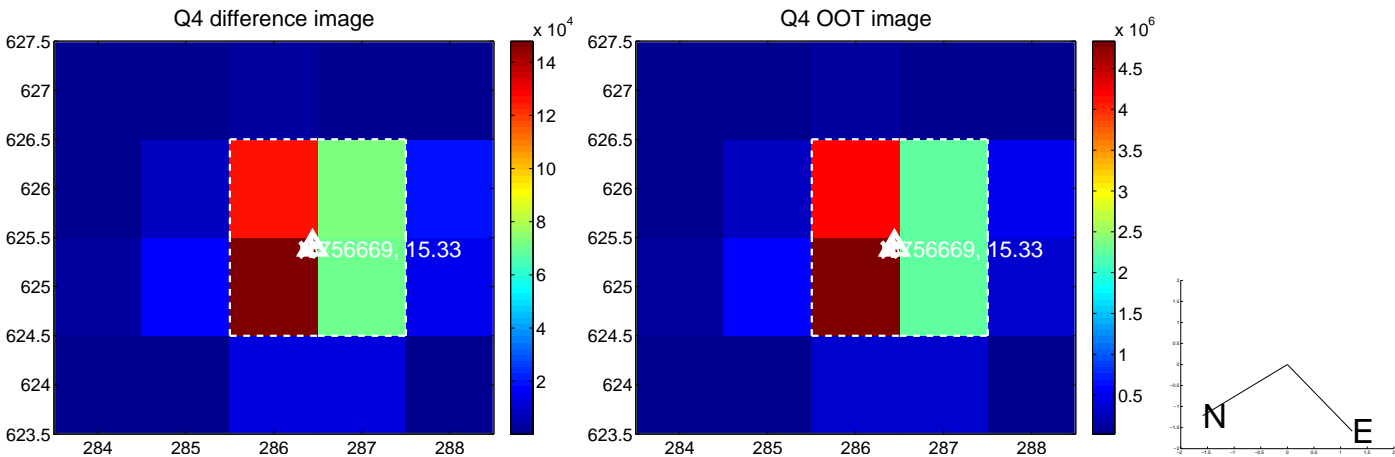
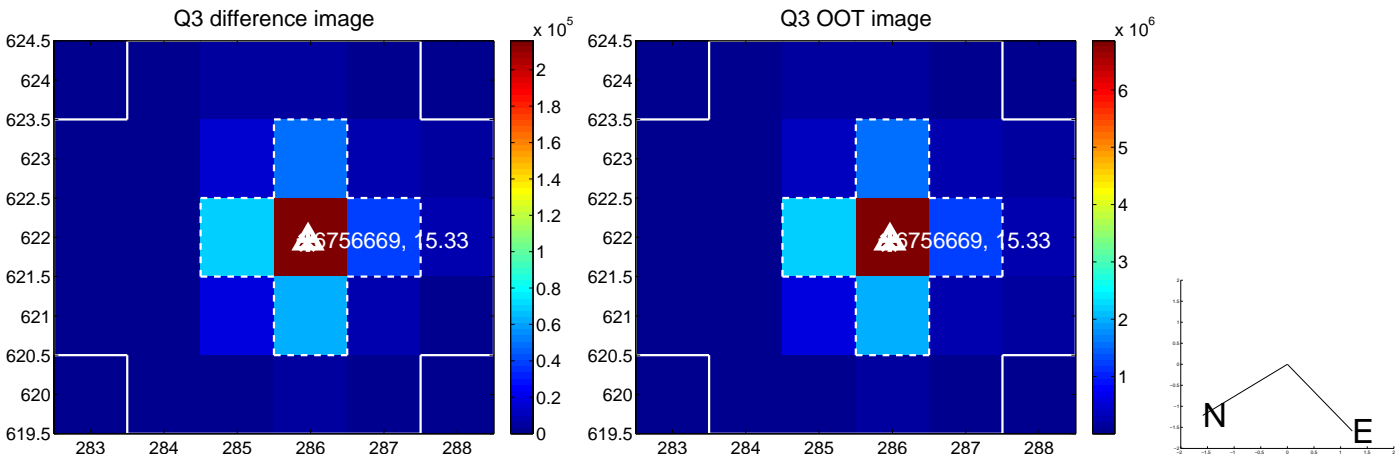
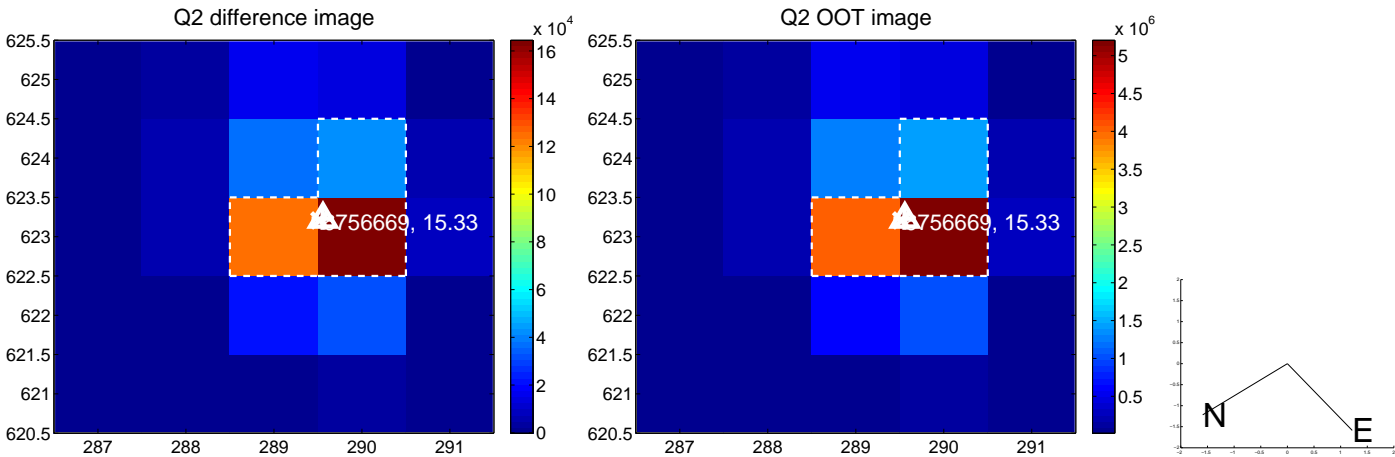
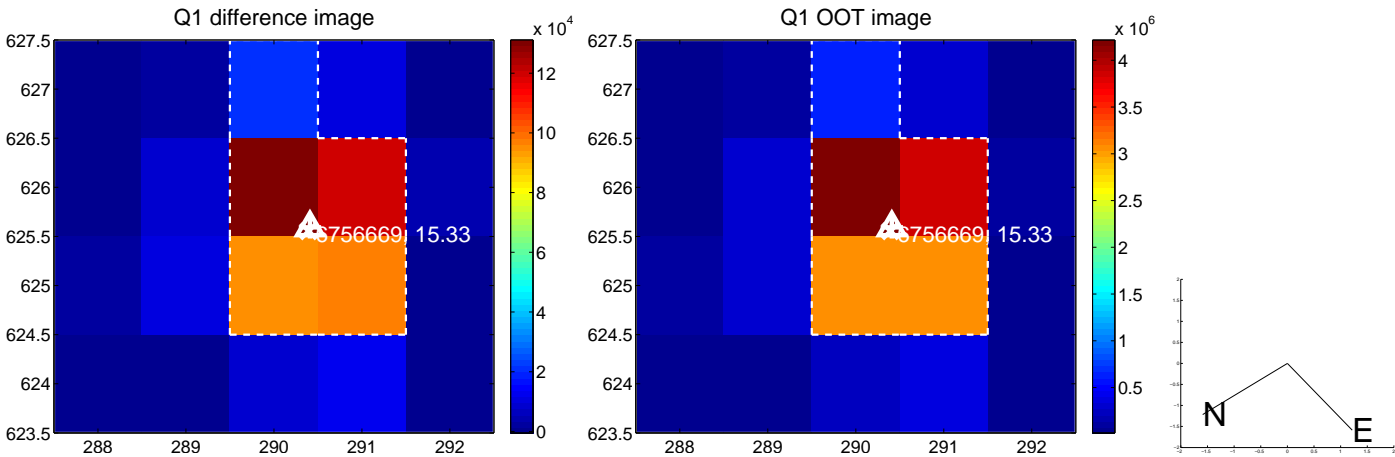
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.027 ± 0.067	0.41	0.023 ± 0.067	-0.015 ± 0.067
PRF-fit source offset from KIC position	0.173 ± 0.075	2.29	0.010 ± 0.068	-0.173 ± 0.075
photometric centroid source offset	0.20 ± 0.01	23.21	-0.07 ± 0.01	-0.19 ± 0.01

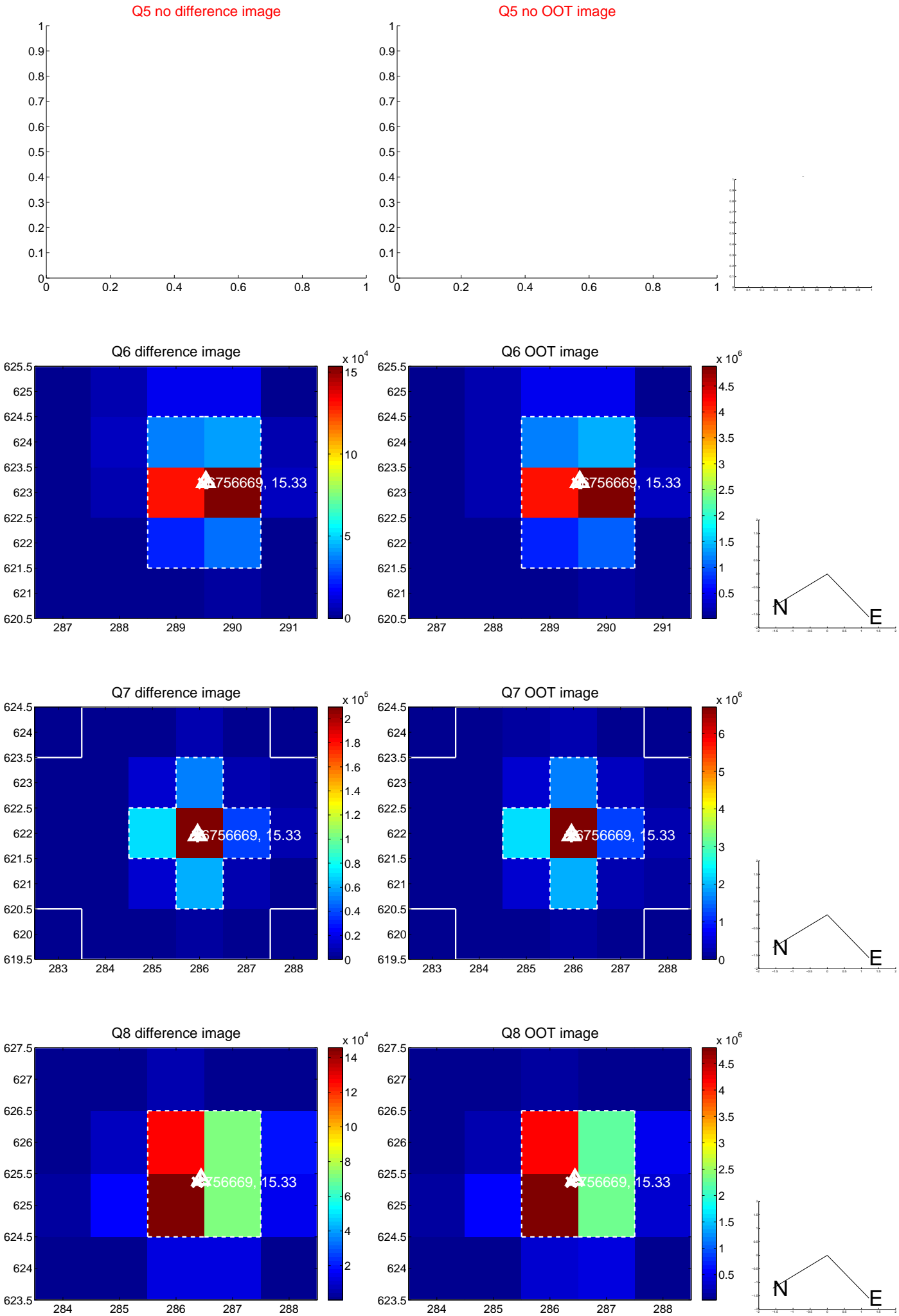


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

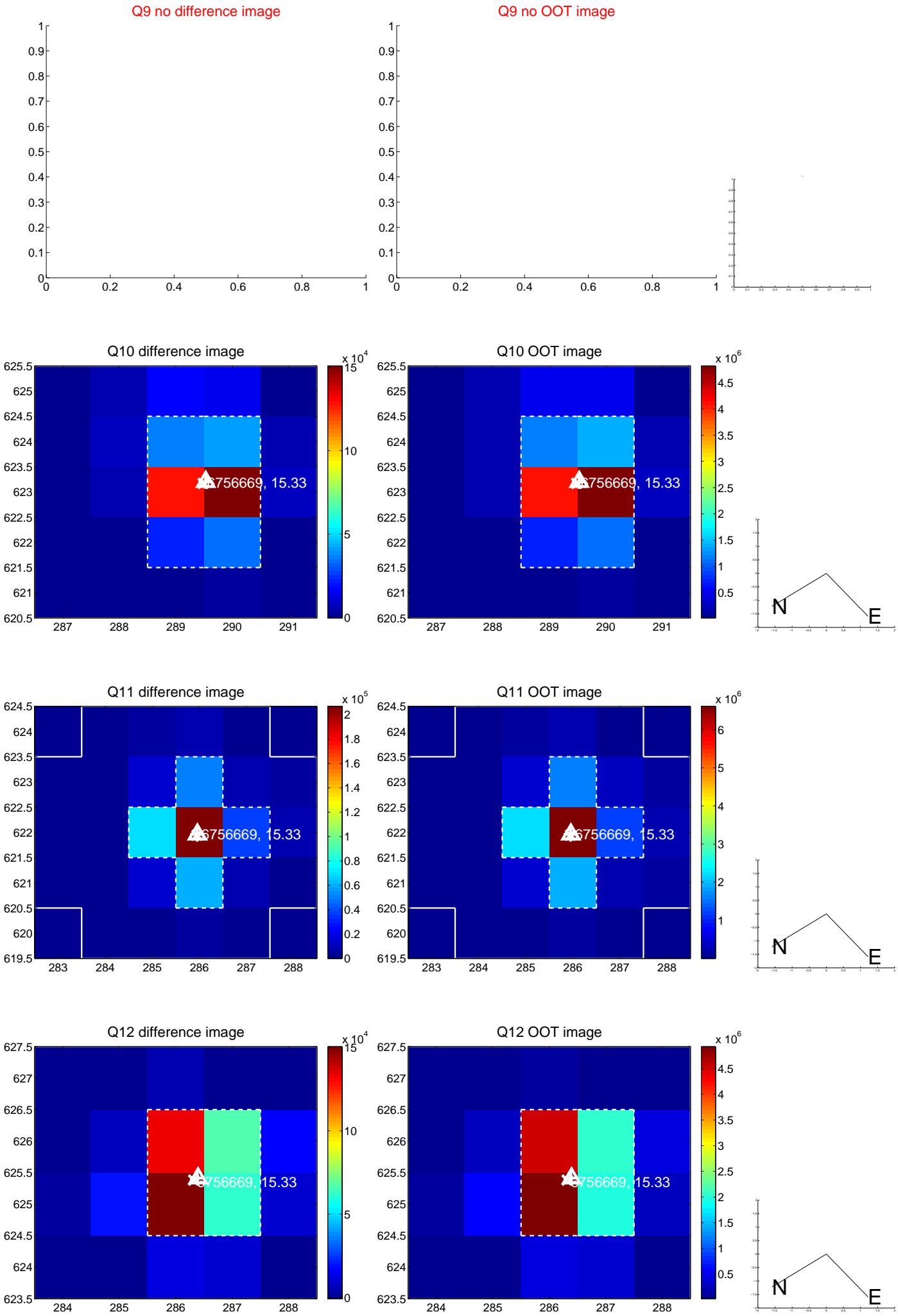
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



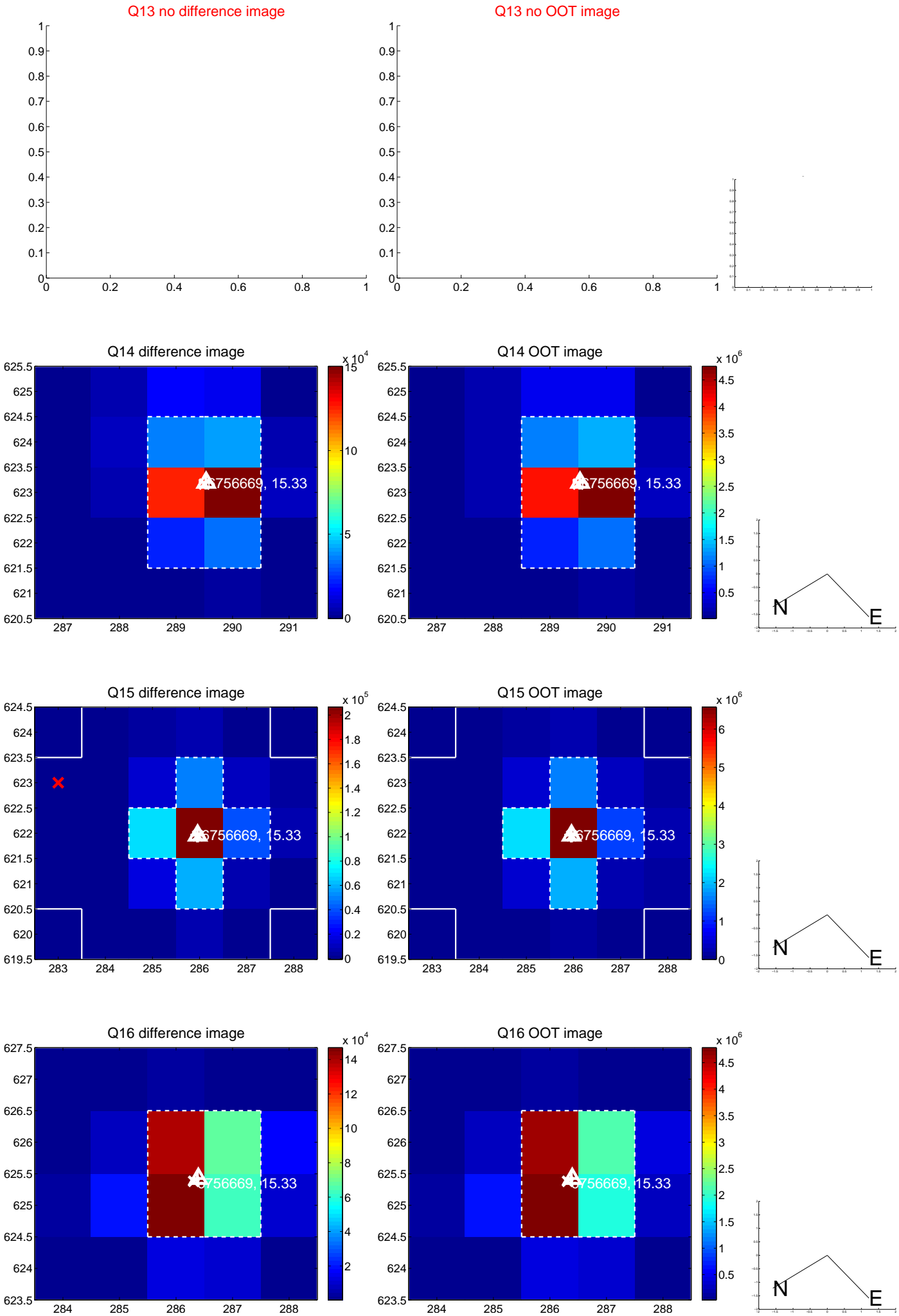
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



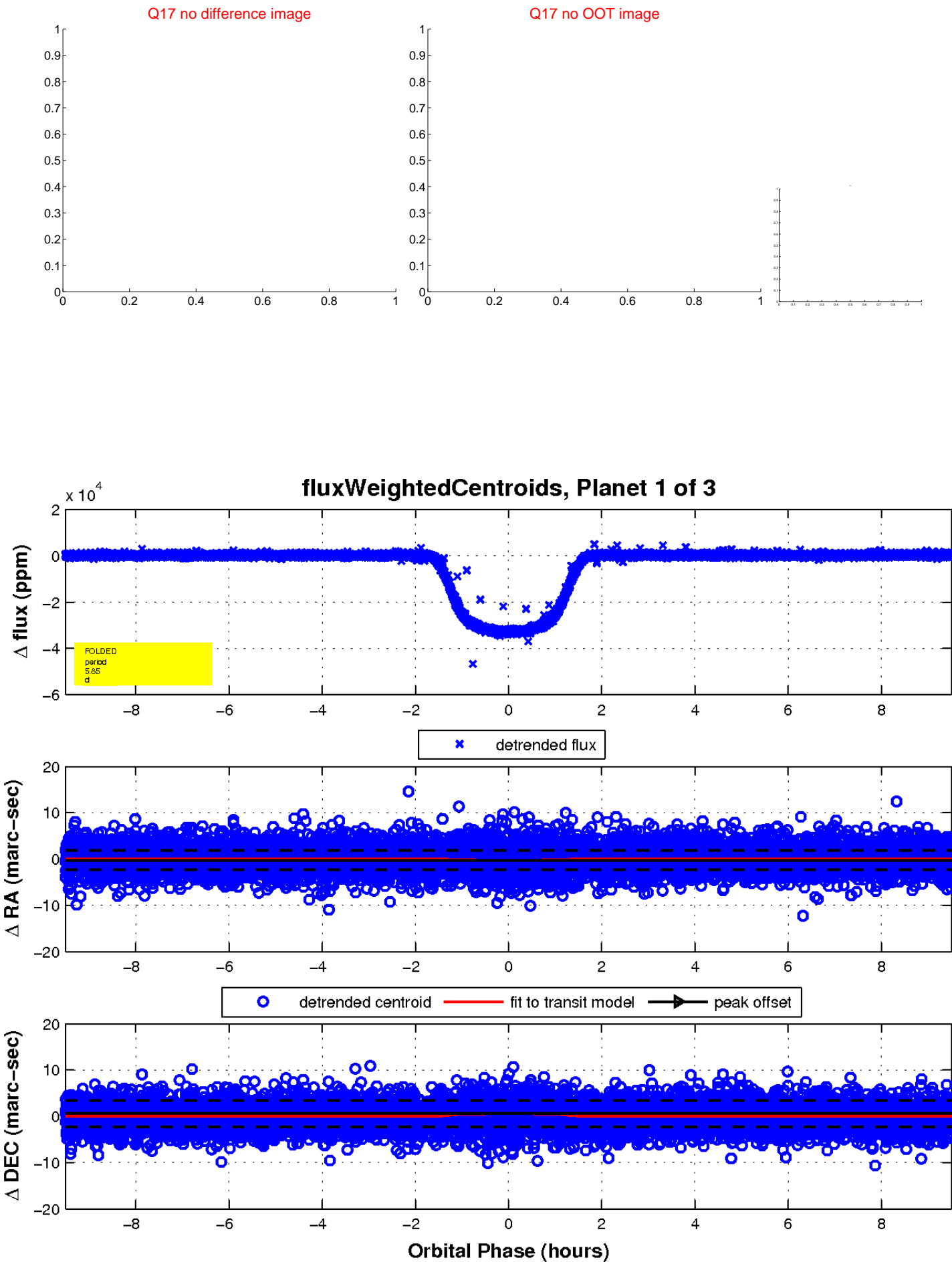
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

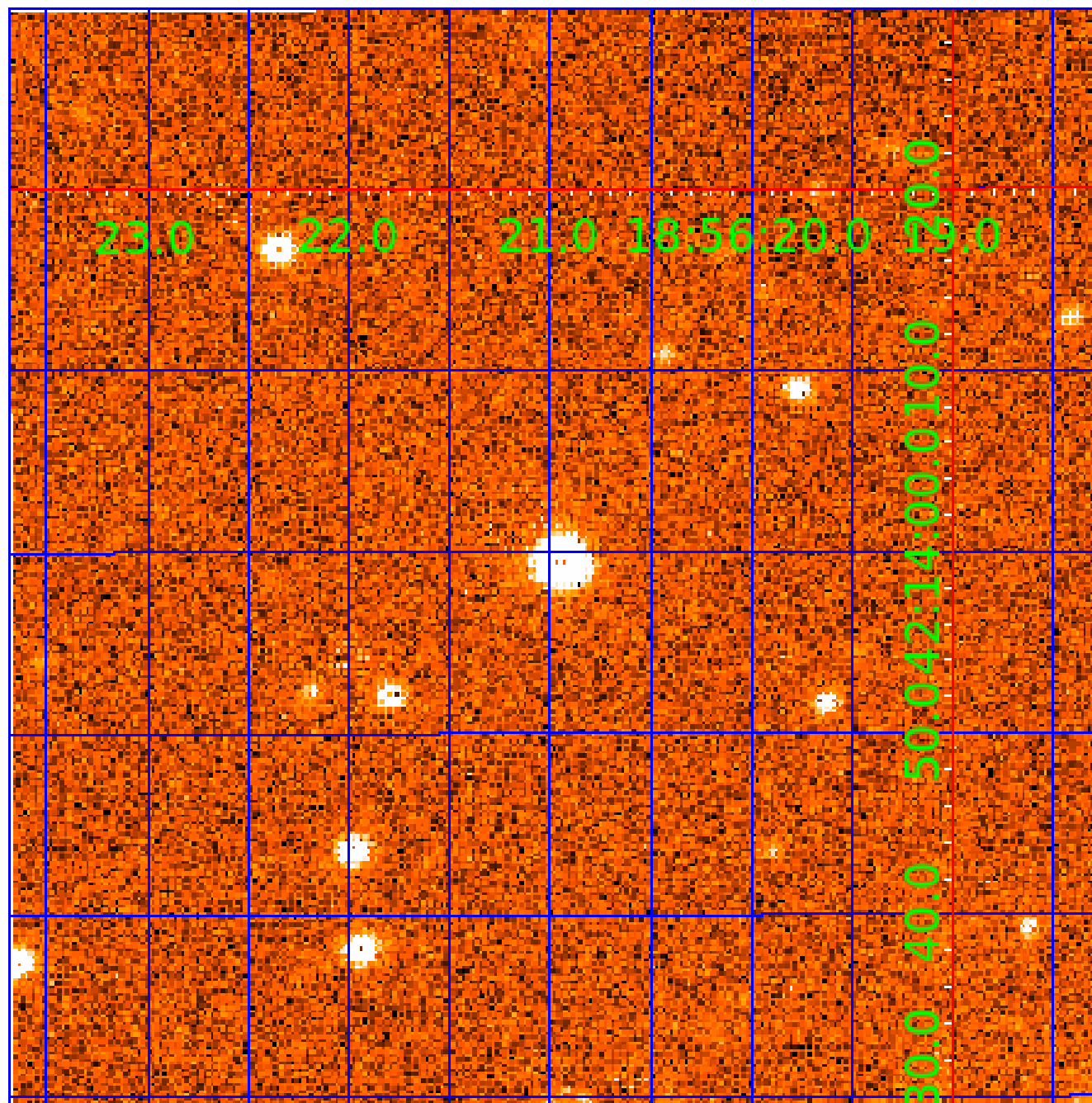


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006756669

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})
006756669-01	OBS	0862.01	5.851522	132.862079	33077.7	3.170	1762.9	1661.9	0.81	5532	14.77	156.18
006756669-02	OBS	No	5.851509	135.800878	506.7	3.426	26.6	29.5	0.81	5532	2.16	156.18
006756669-03	OBS	No	5.851217	132.659094	69.0	45.327	7.4	9.2	0.81	5532	0.66	156.19

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006756669-01	OBS	FP	0.00	0	1	0	0	MOD_SEC_DV—MOD_SEC_ALT—HAS_SEC_TCE
006756669-02	OBS	FP	0.00	1	1	0	0	IS_SEC_TCE
006756669-03	OBS	FP	0.00	1	0	0	0	LPP_DV—RESIDUAL_TCE

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.

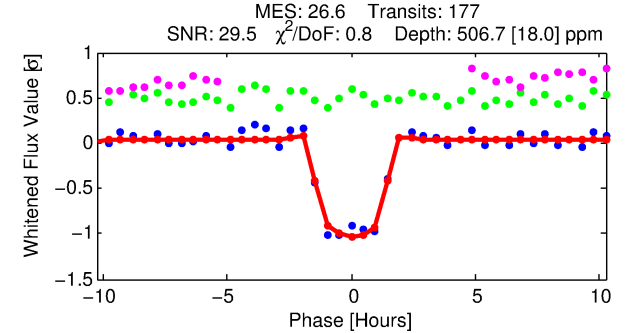
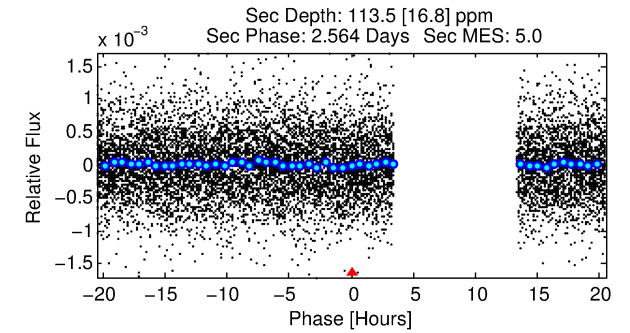
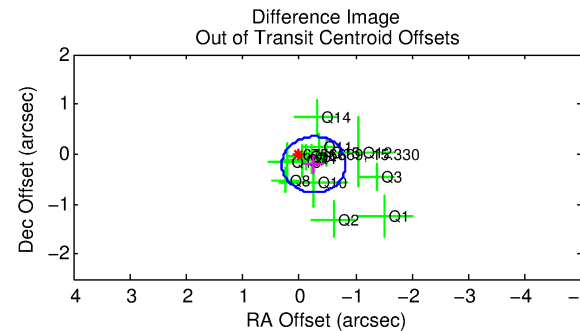
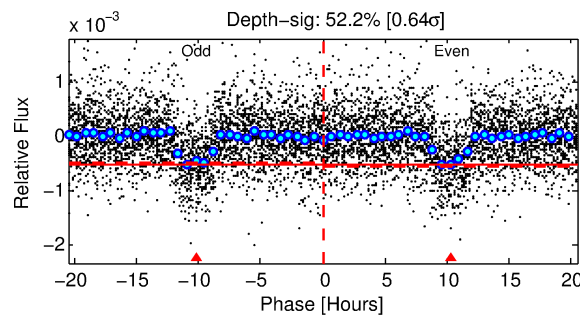
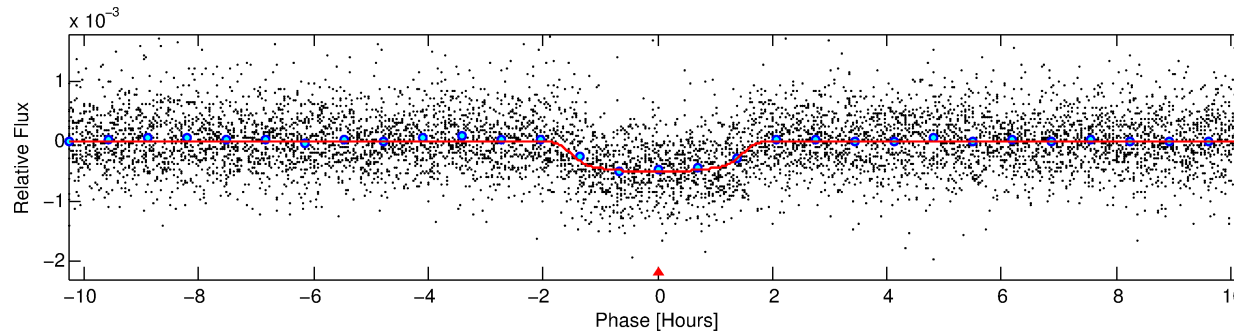
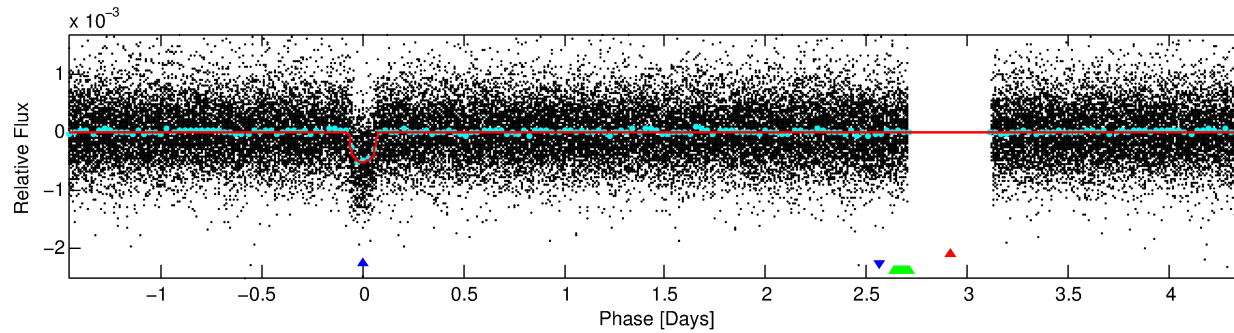
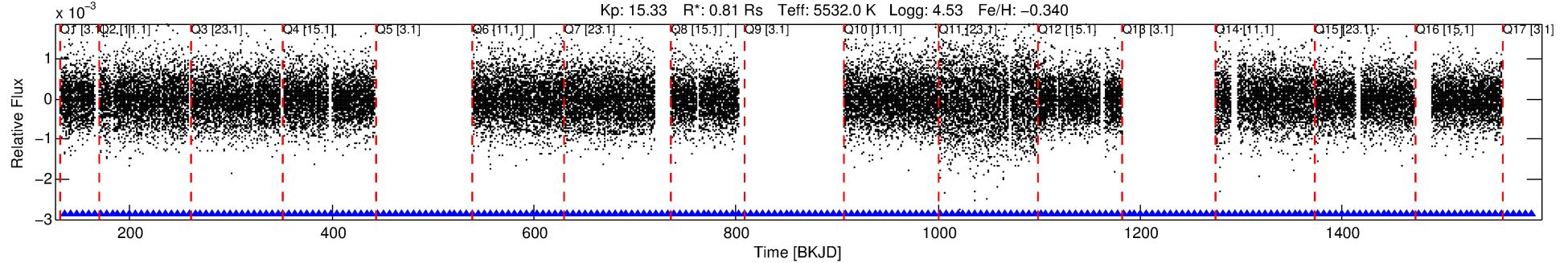
Ephemeris Match Information For 006756669-02

No Significant Match Found

DV One-Page Summary

KIC: 6756669 Candidate: 2 of 3 Period: 5.852 d
KOI: K00862 Corr: No Ephemeris Match

Kp: 15.33 R*: 0.81 Rs Teff: 5532.0 K Logg: 4.53 Fe/H: -0.340



DV Fit Results:

Period = 5.85151 [0.00002] d
Epoch = 135.8009 [0.0020] BKJD
Rp/R* = 0.0245 [0.0026]
a/R* = 6.54 [2.98]
b = 0.90 [0.10]
Seff = 156.18 [41.95]
Teq = 901 [61] K
Rp = 2.16 [0.49] Re
a = 0.0591 [0.0098] AU
Ag = 46.91 [16.45] [2.79σ]
Teffp = 3647 [258] K [10.37σ]

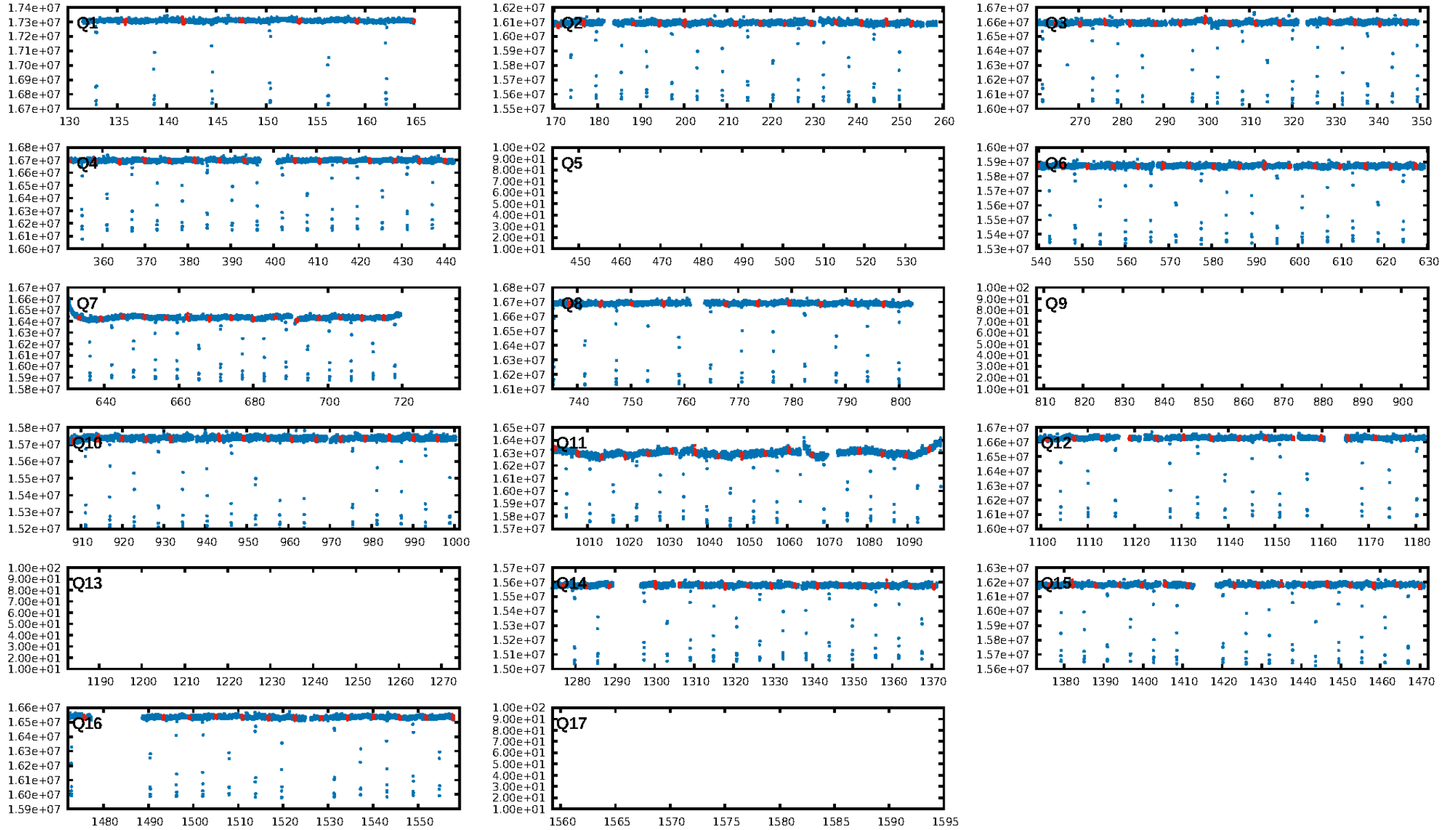
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: 100.0%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [171/171]
GhostDiagnostic-chr: 6.322
Centroid-sig: 91.6%
Centroid-so: 0.143 arcsec [0.30σ]
OotOffset-rm: 0.330 arcsec [1.76σ]
KicOffset-rm: 0.446 arcsec [2.32σ]
OotOffset-st: 4/4/4/1 [13]
KicOffset-st: 4/4/4/1 [13]
DiffImageQuality-fgm: 1.00 [13/13]
DiffImageOverlap-fno: 1.00 [13/13]

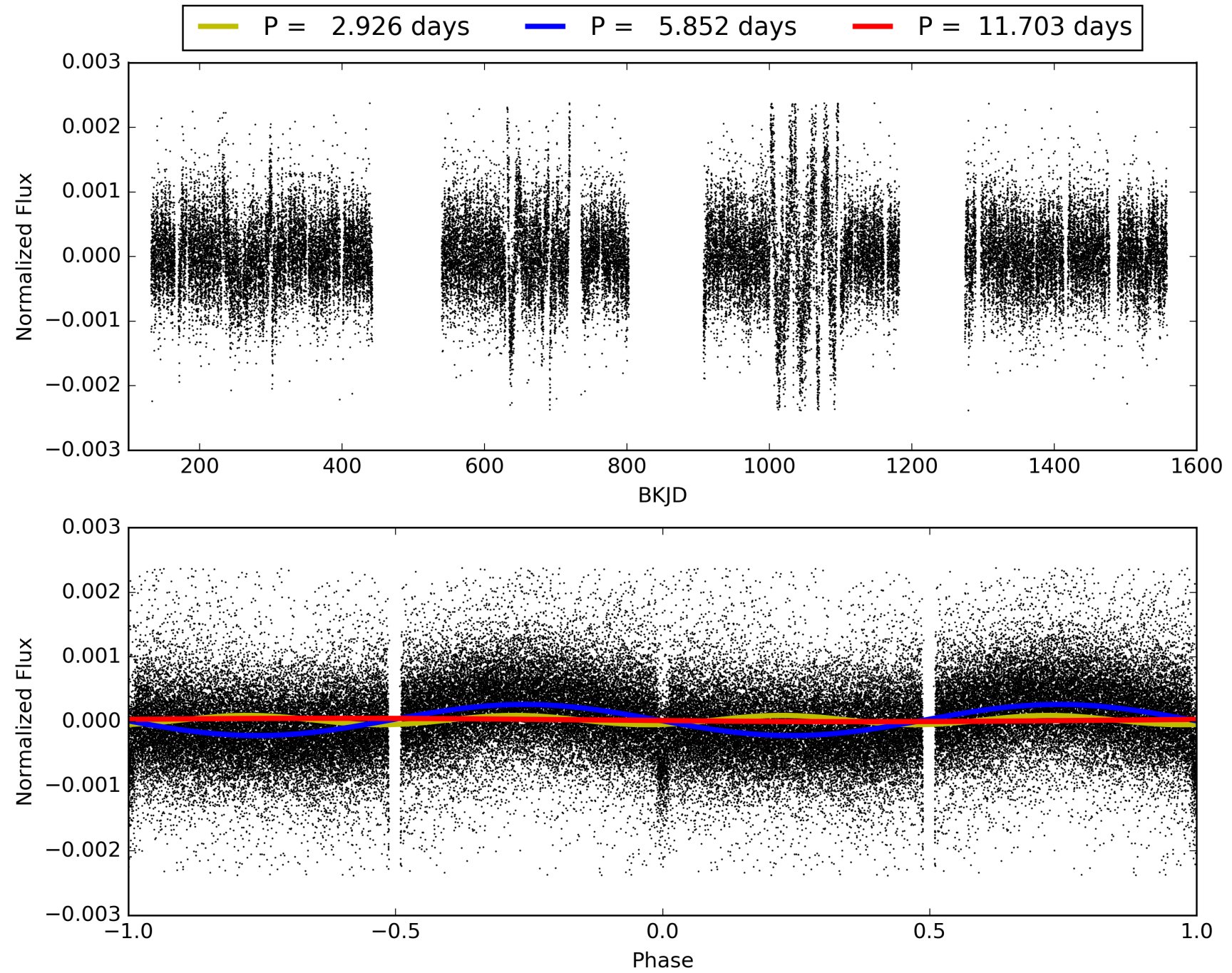
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:51:07 Z

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

TCE 006756669-02, PDC Light Curves

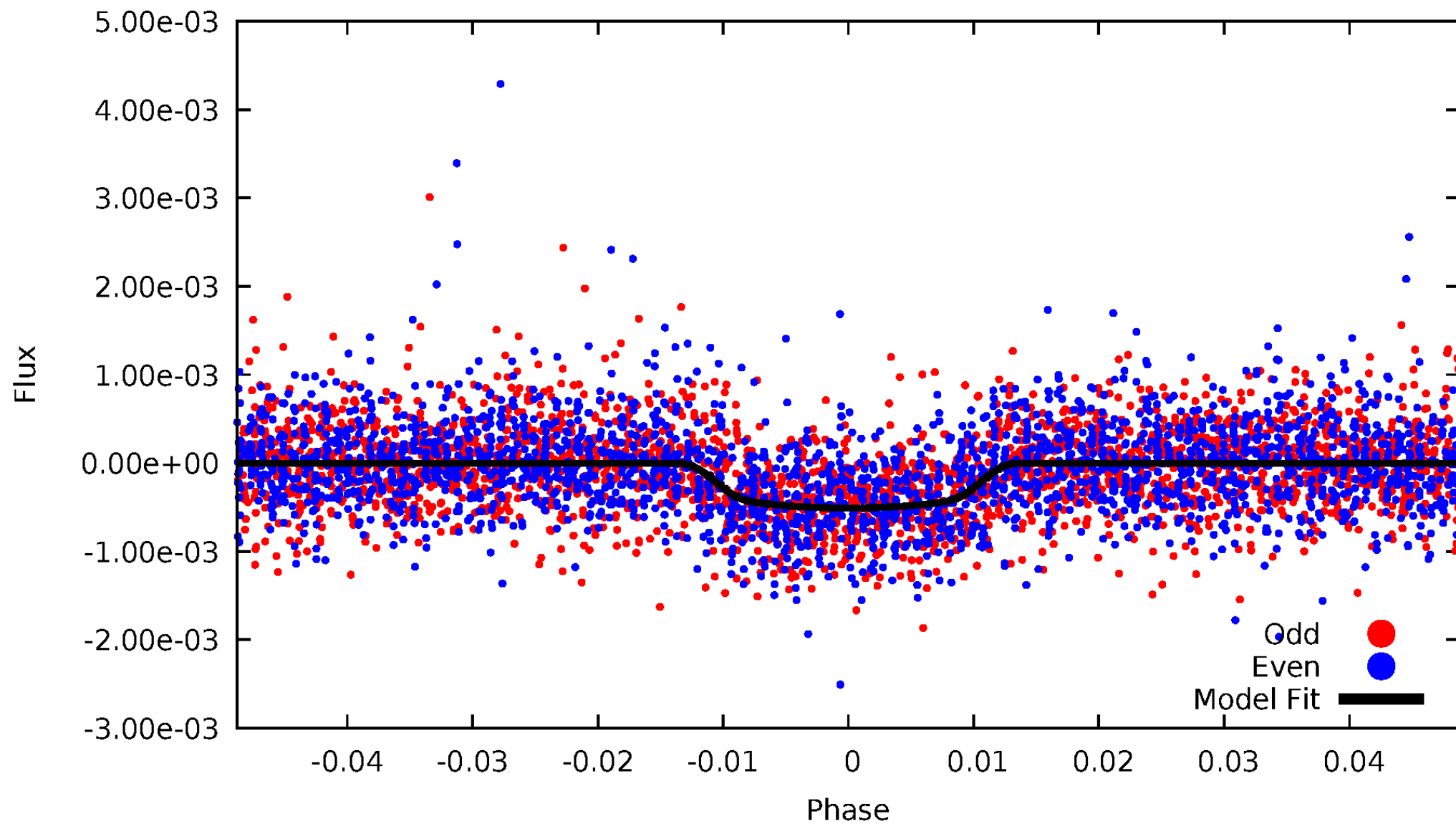


TCE 006756669-02



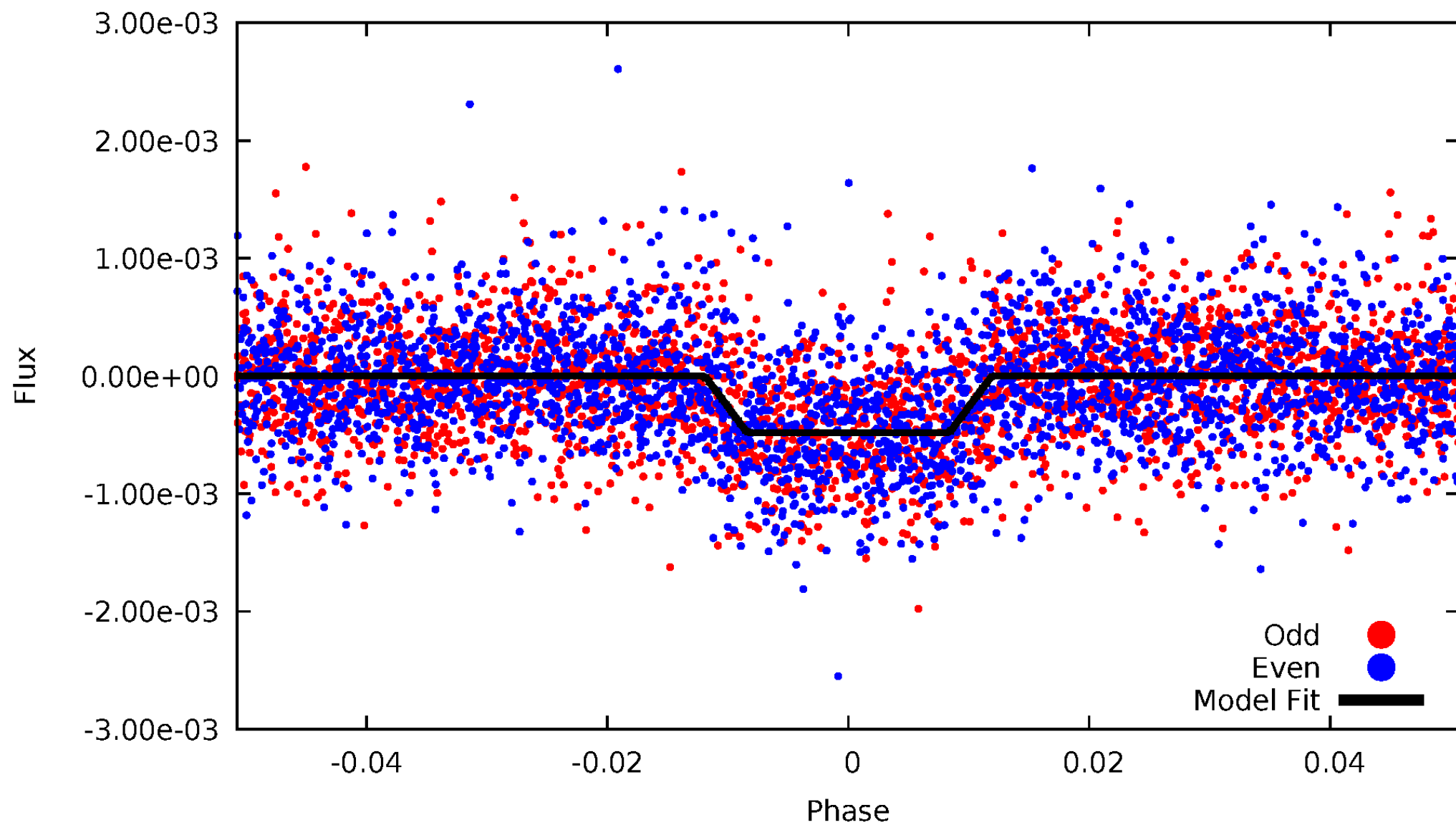
DV Odd/Even

TCE 006756669-02



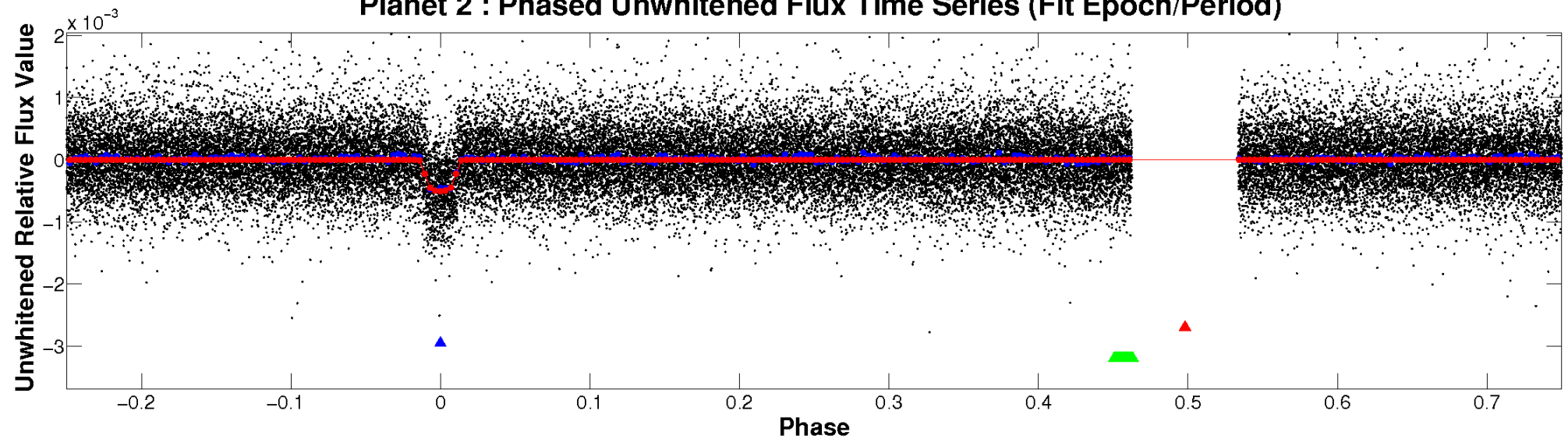
ALT Odd/Even

TCE 006756669-02

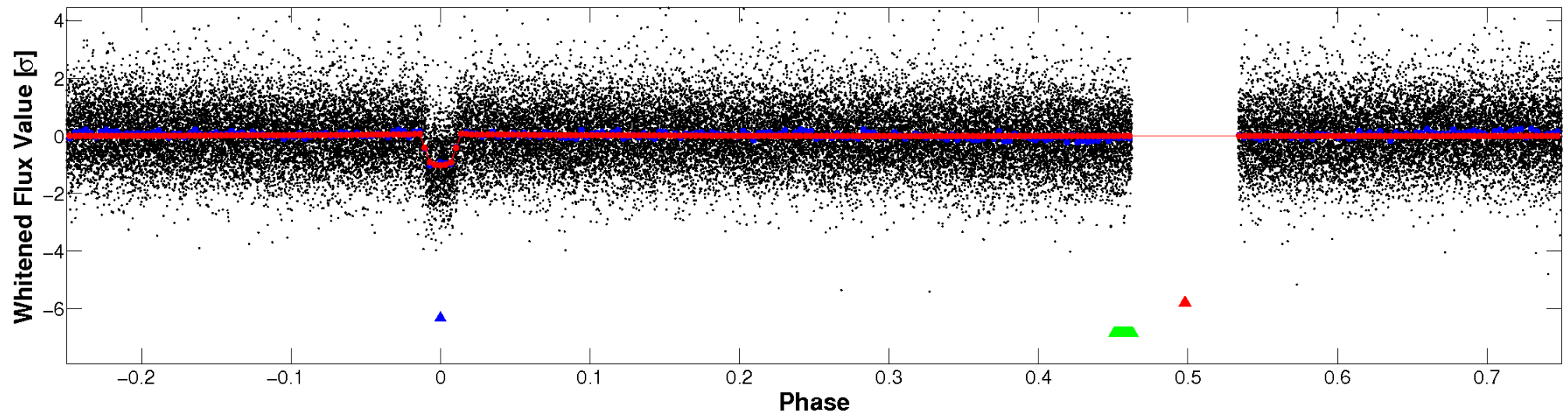


Non-Whitened Vs. Whitened Light Curve

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

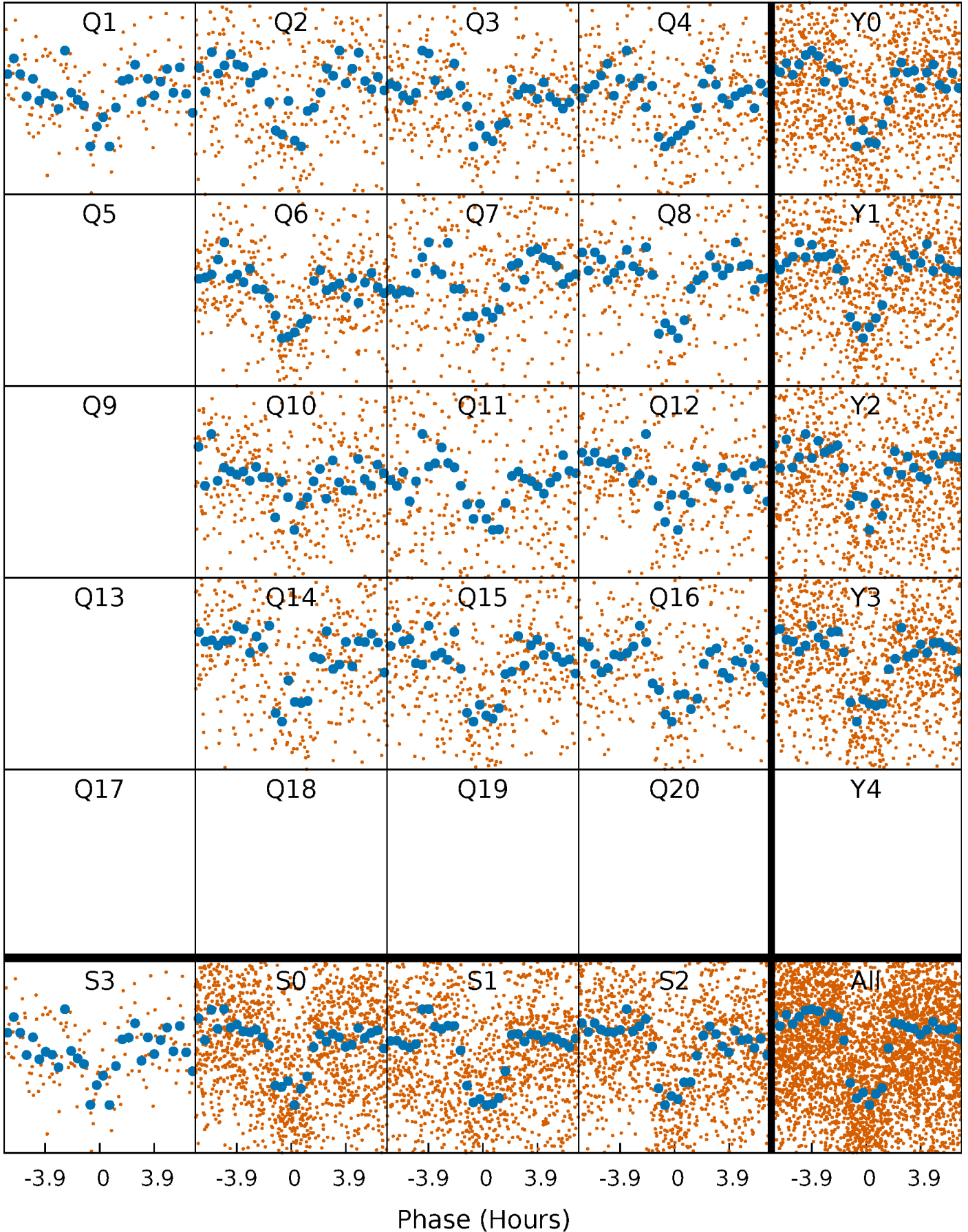


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



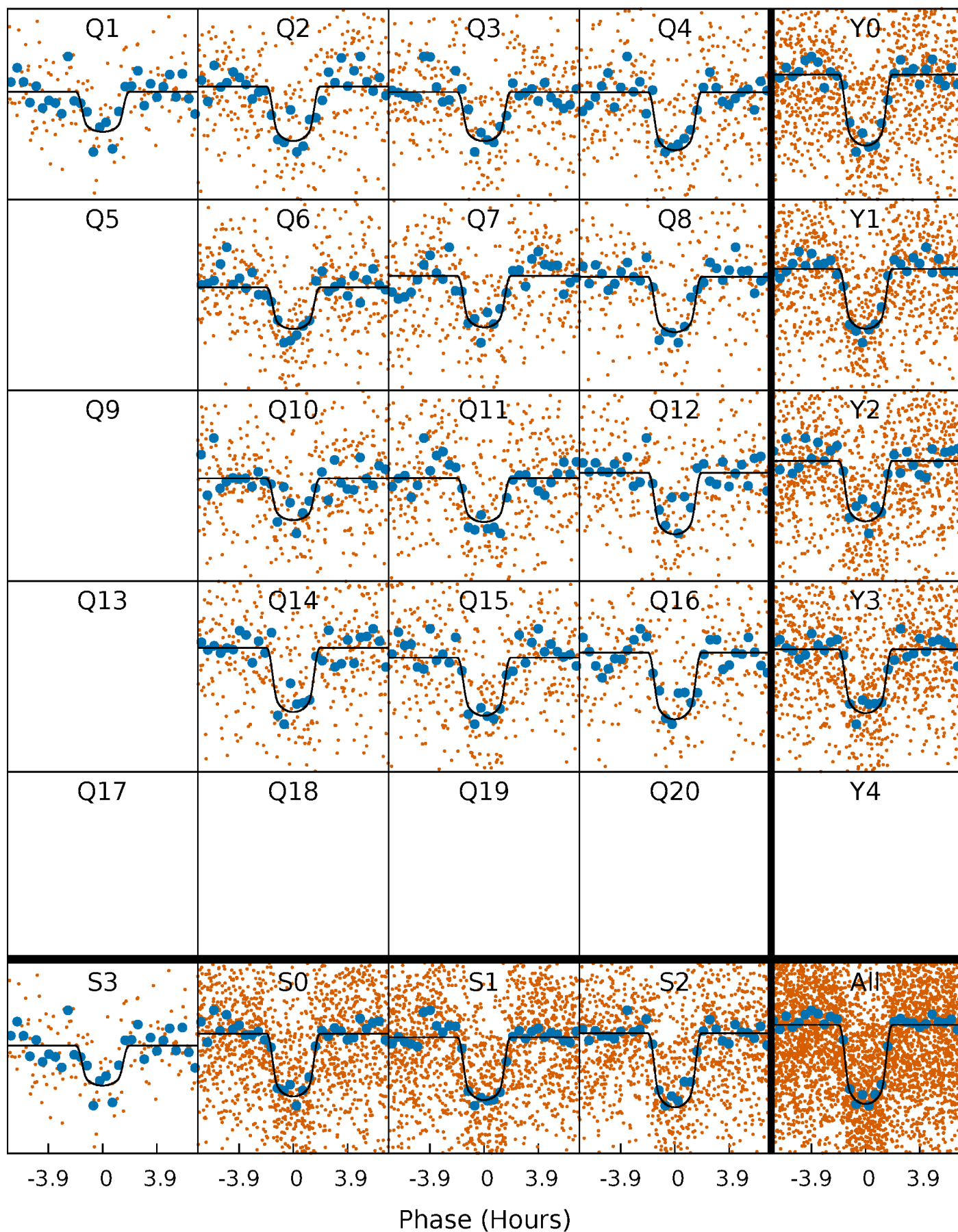
PDC Quarter-Phased Transit Curves

TCE 006756669-02 P= 5.851509 Days $T_0=135.800878$ (BKJD)



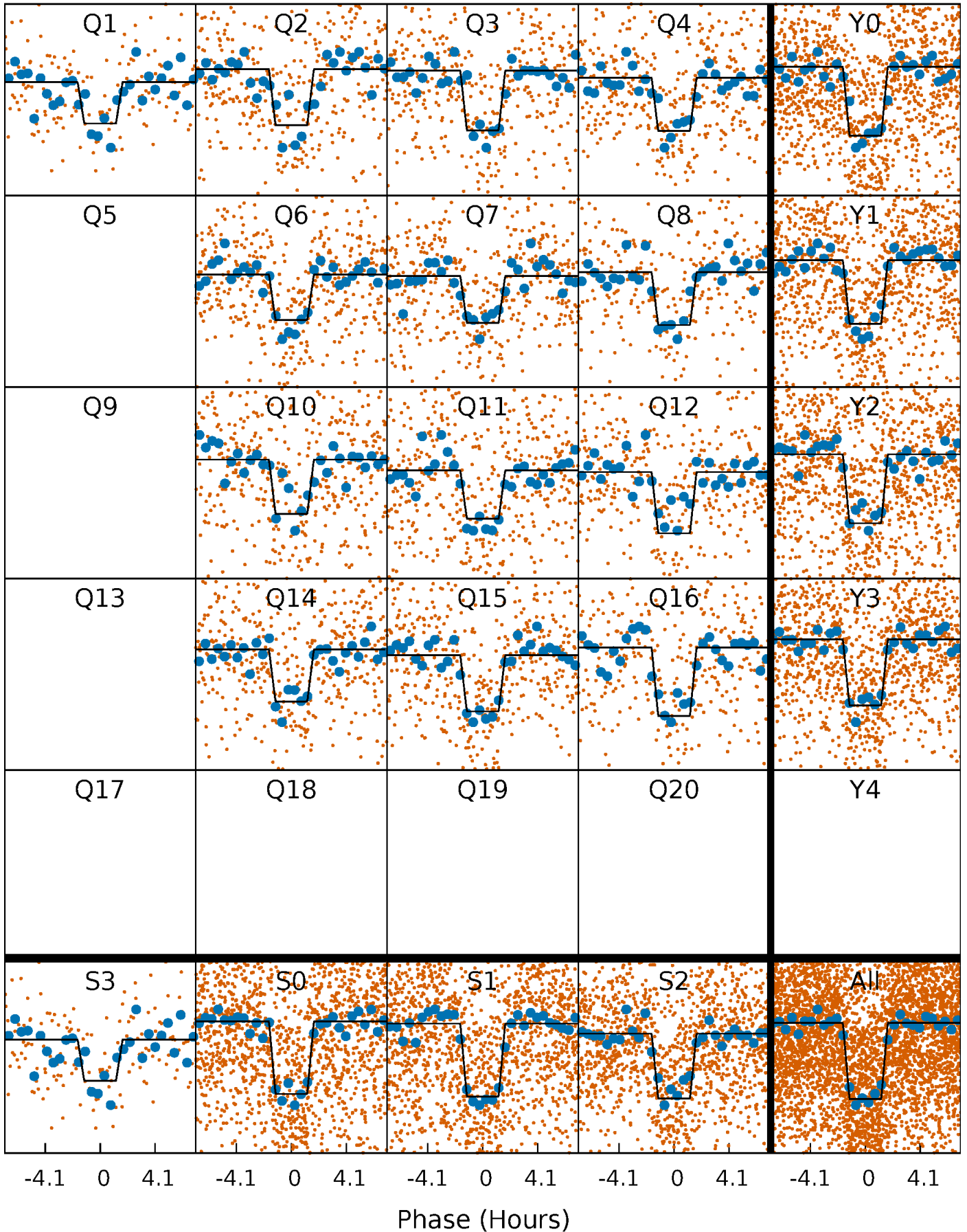
DV Quarter-Phased Transit Curves

TCE 006756669-02 P= 5.851509 Days $T_0=135.800878$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

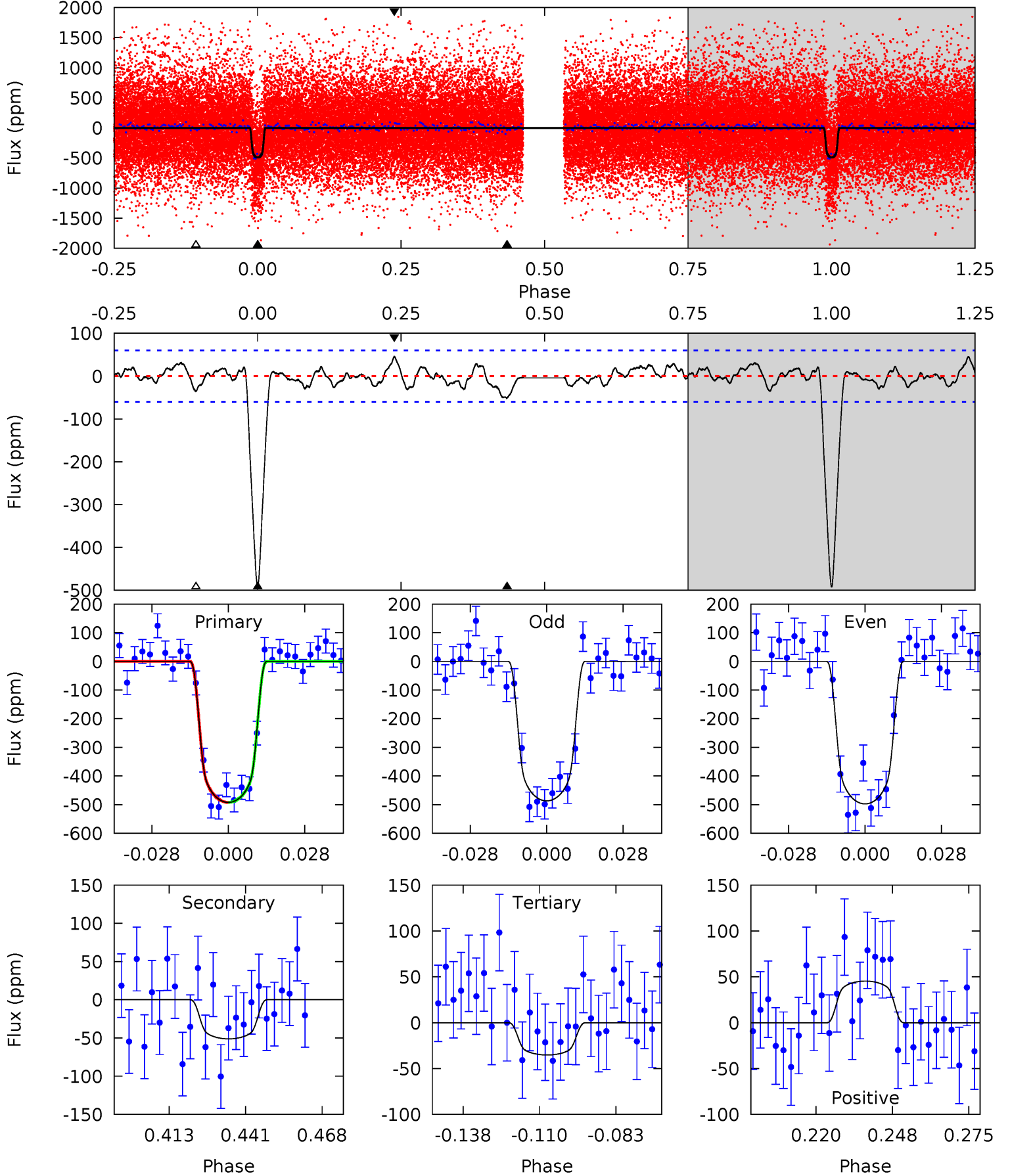
TCE 006756669-02 P= 5.851551 Days $T_0=135.795546$ (BKJD)



DV Model-Shift Uniqueness Test

006756669-02, P = 5.851509 Days, E = 129.949369 Days

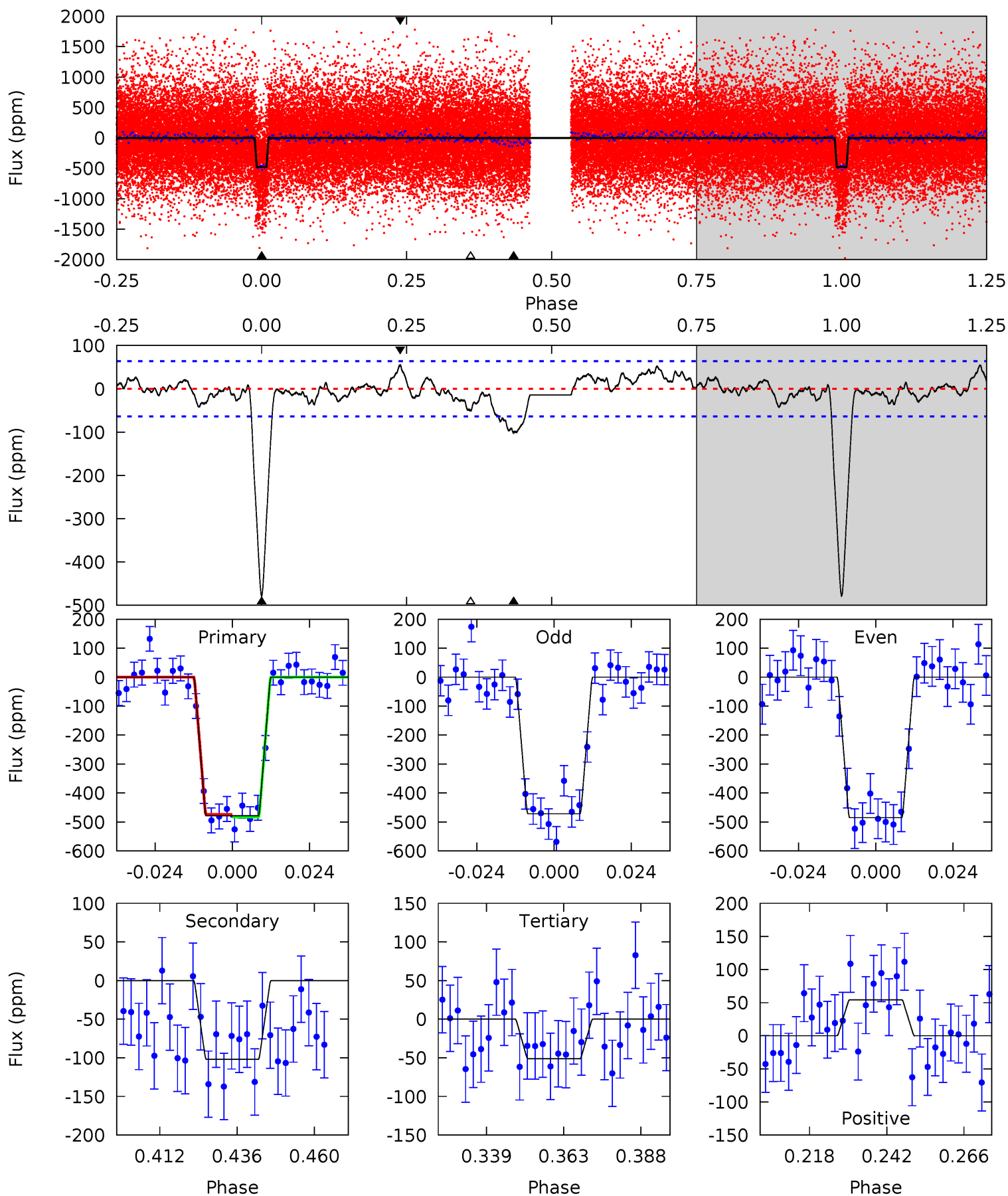
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
39.7	4.13	2.84	3.66	4.83	2.20	1.25	36.9	36.0	1.29	0.47	0.43	0.99	0.08	0.02



Alt Model-Shift Uniqueness Test

006756669-02, P = 5.851551 Days, E = 129.943995 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
36.4	7.76	3.89	4.14	4.85	2.25	1.69	32.5	32.3	3.87	3.62	0.52	0.97	0.10	0.32



Stellar Parameters For KIC 006756669

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	5532^{+167}_{-167}	$4.530^{+0.070}_{-0.130}$	$-0.340^{+0.300}_{-0.300}$	$0.806^{+0.161}_{-0.087}$	$0.804^{+0.100}_{-0.072}$	$2.161^{+0.622}_{-0.813}$
	+3%/-3%	+2%/-3%	+88%/-88%	+20%/-11%	+12%/-9%	+29%/-38%
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 006756669-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-51 ± 12	$2.20^{+0.31}_{-0.27}$	1265^{+70}_{-56}	3450^{+180}_{-198}	20^{+8}_{-6}
Alt.	-102 ± 13	$1.97^{+0.29}_{-0.29}$	1272^{+65}_{-60}	4039^{+227}_{-196}	51^{+18}_{-12}

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 $A_{obs} \gg 1.0$

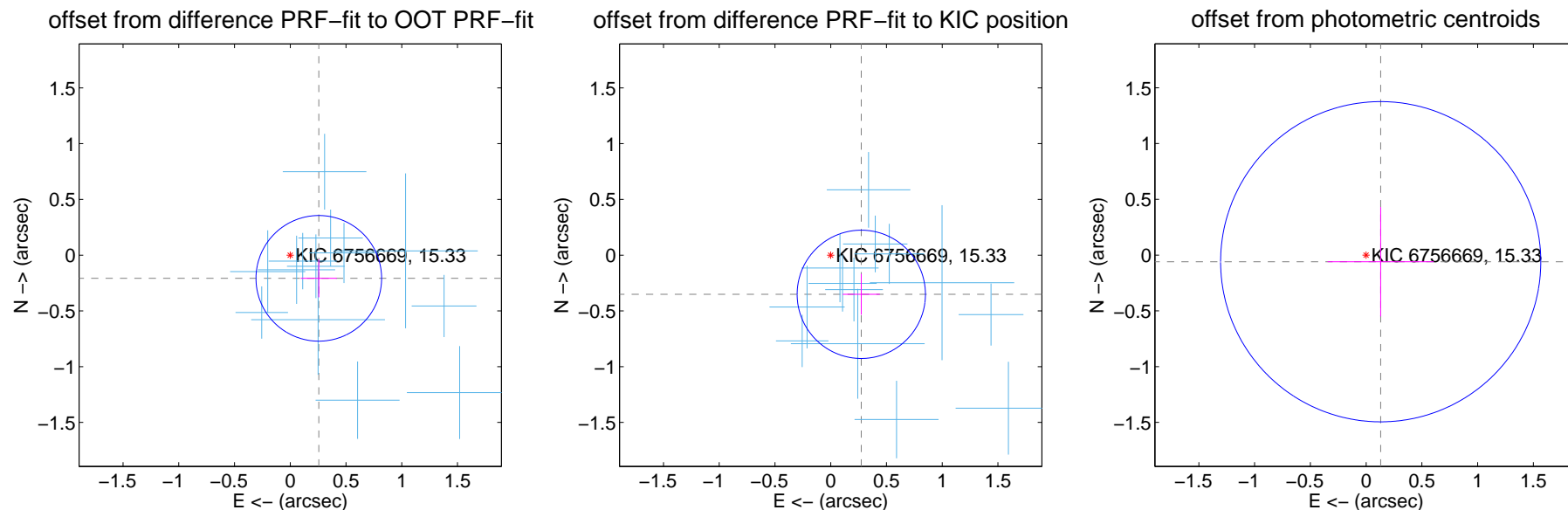
DV Centroid Data

Supplemental centroid analysis for 006756669-02. Kepler magnitude: 15.33. Transit SNR 29.52

There are 13 quarters with good PRF difference image offsets

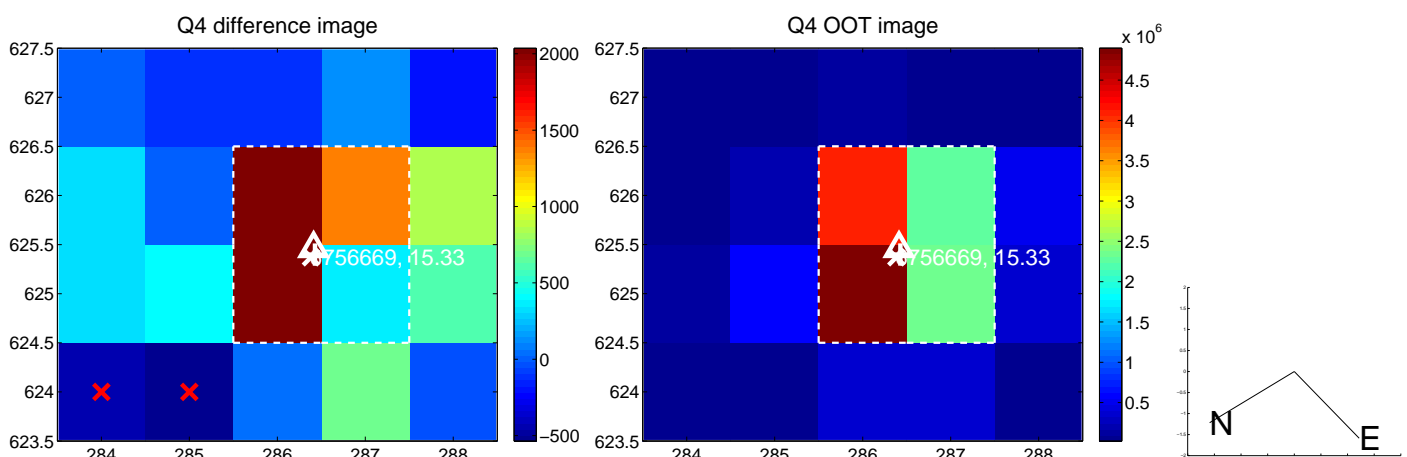
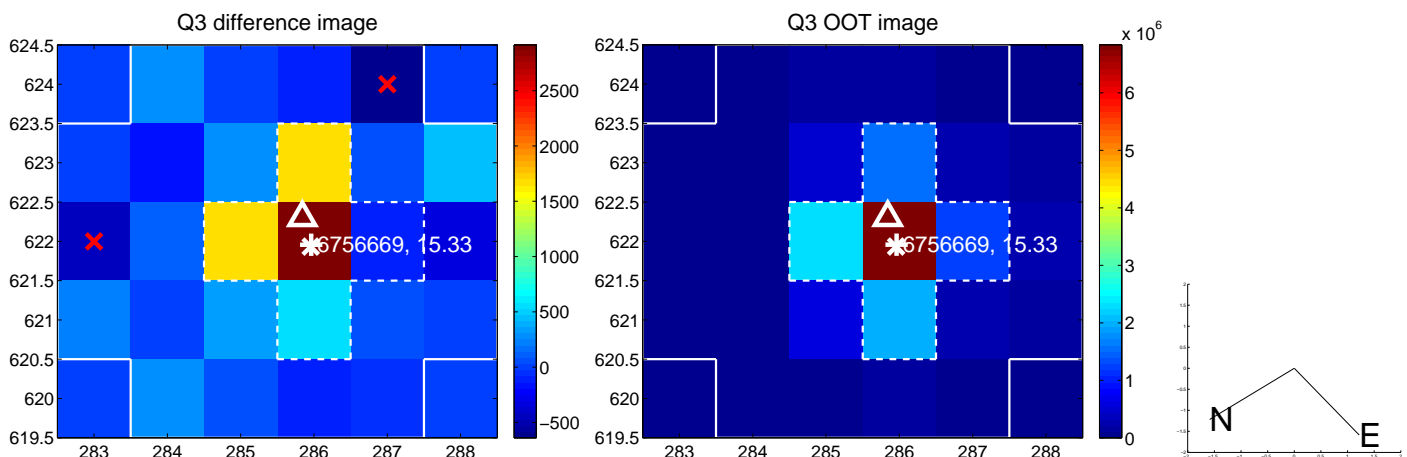
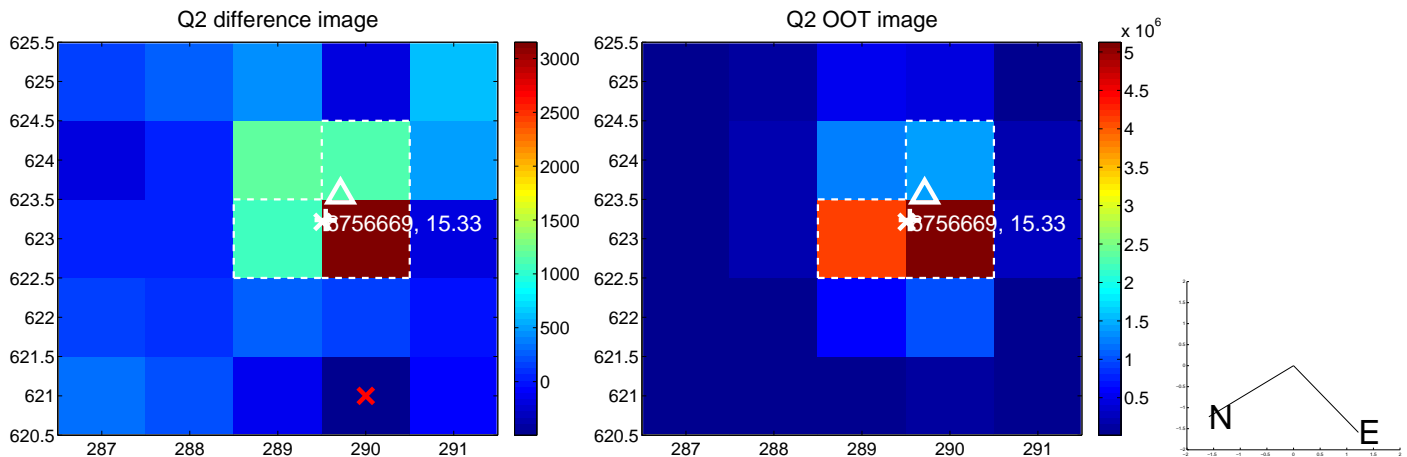
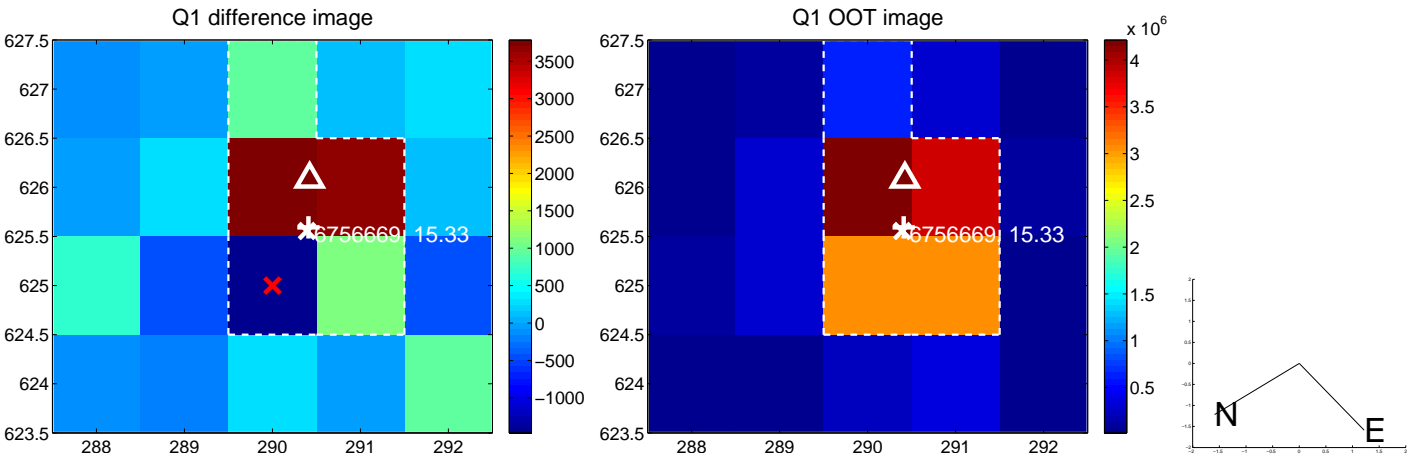
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.330 ± 0.188	1.76	-0.256 ± 0.162	-0.208 ± 0.170
PRF-fit source offset from KIC position	0.446 ± 0.192	2.32	-0.274 ± 0.167	-0.351 ± 0.183
photometric centroid source offset	0.14 ± 0.48	0.30	-0.13 ± 0.48	-0.06 ± 0.49

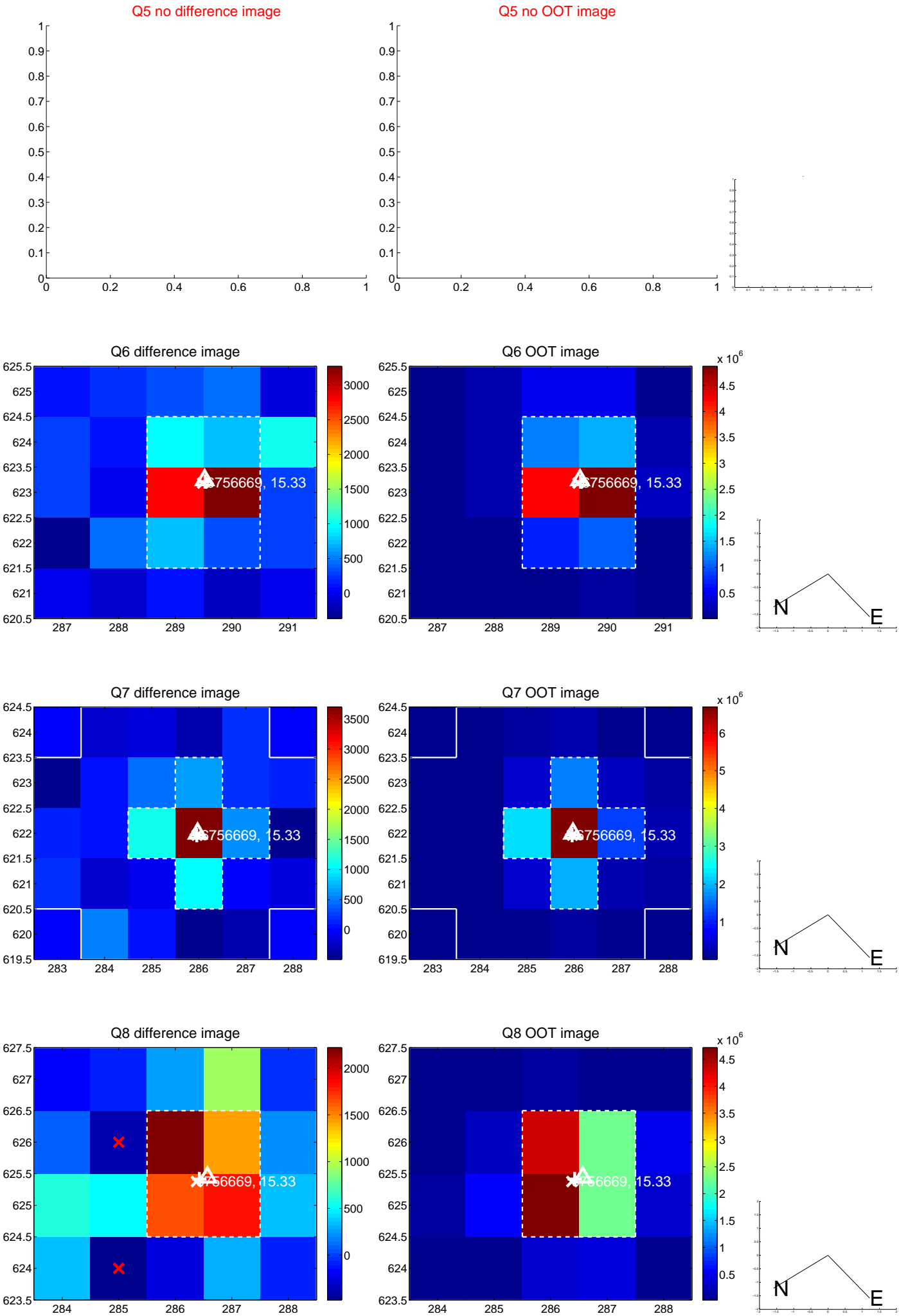


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

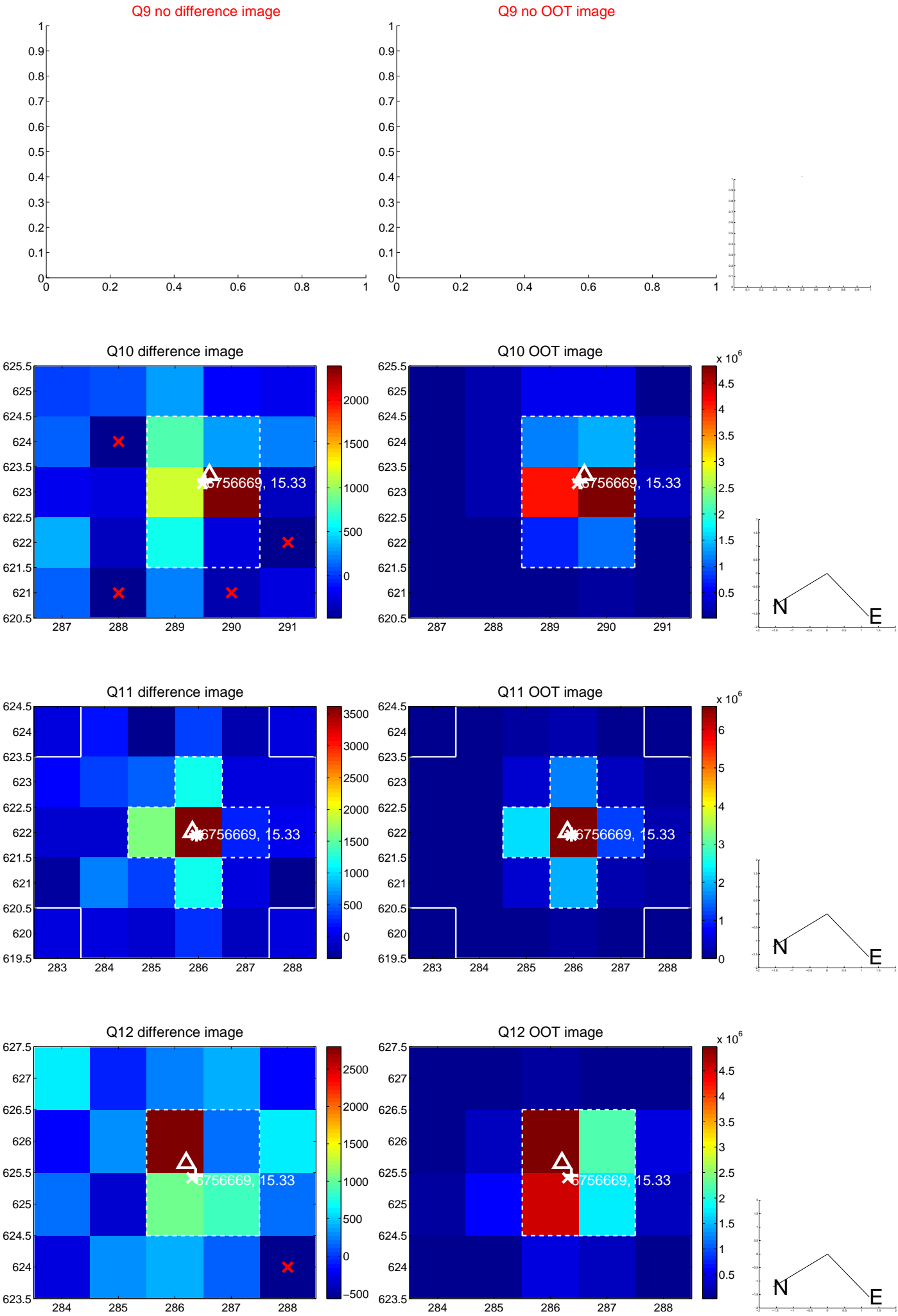
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



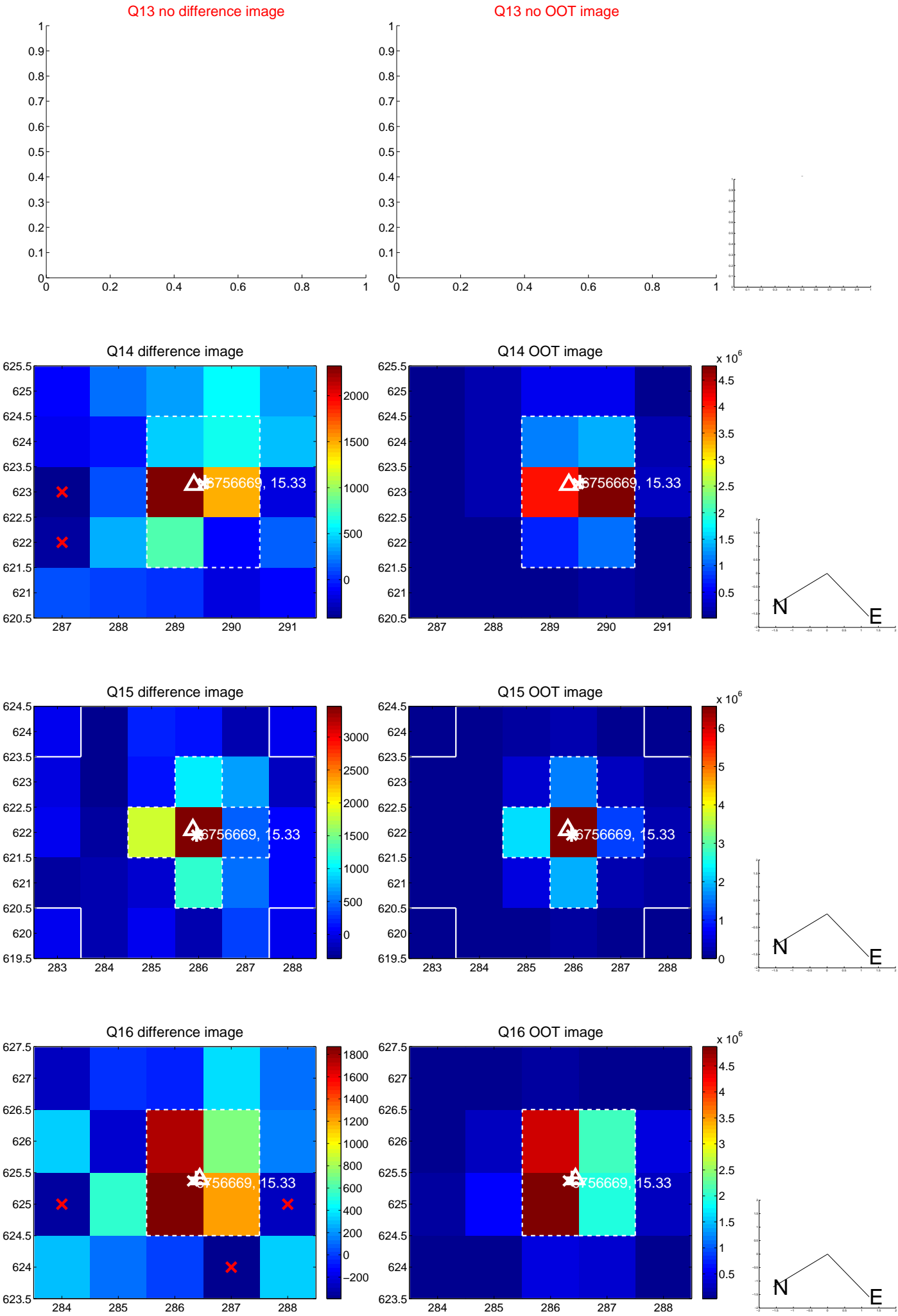
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



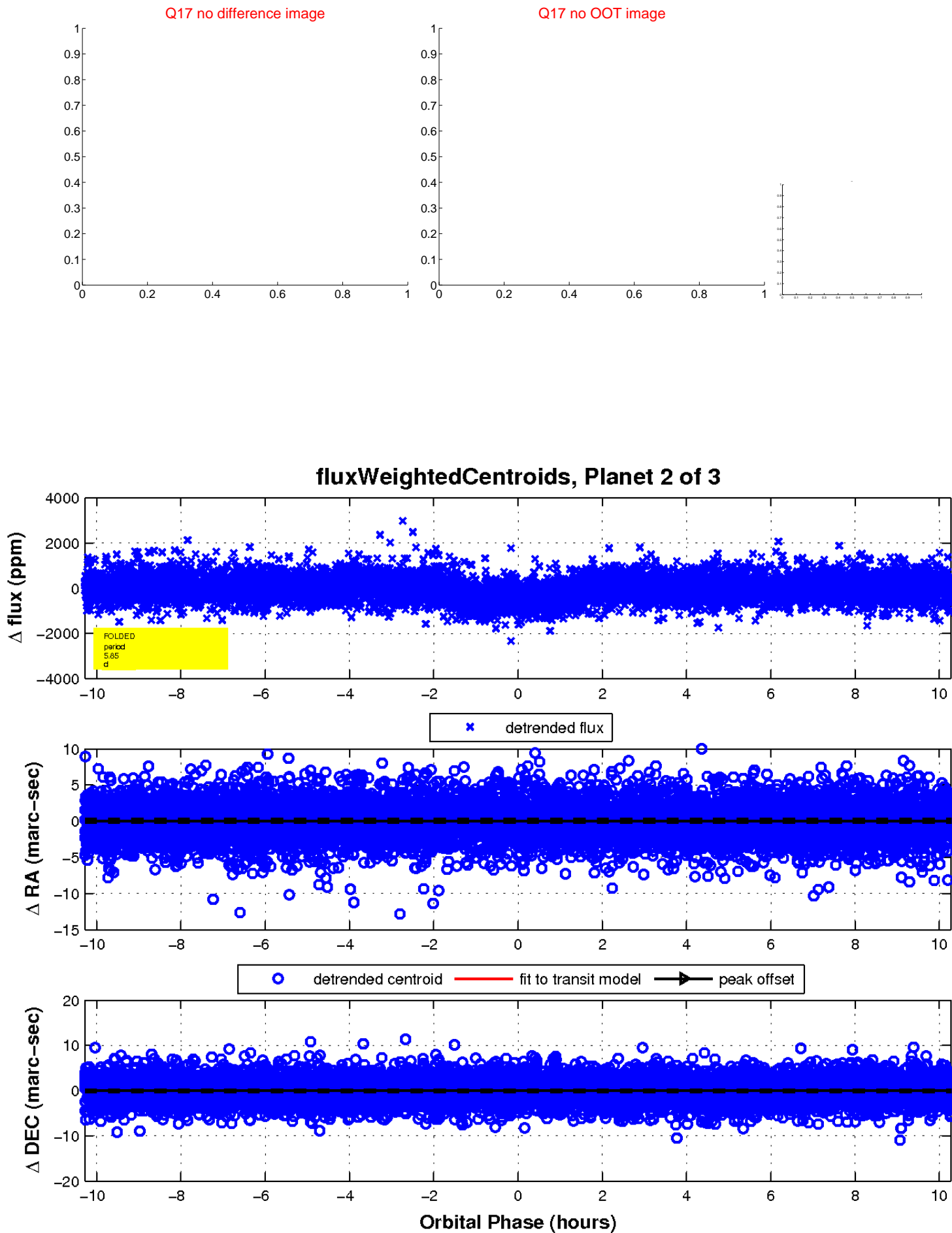
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

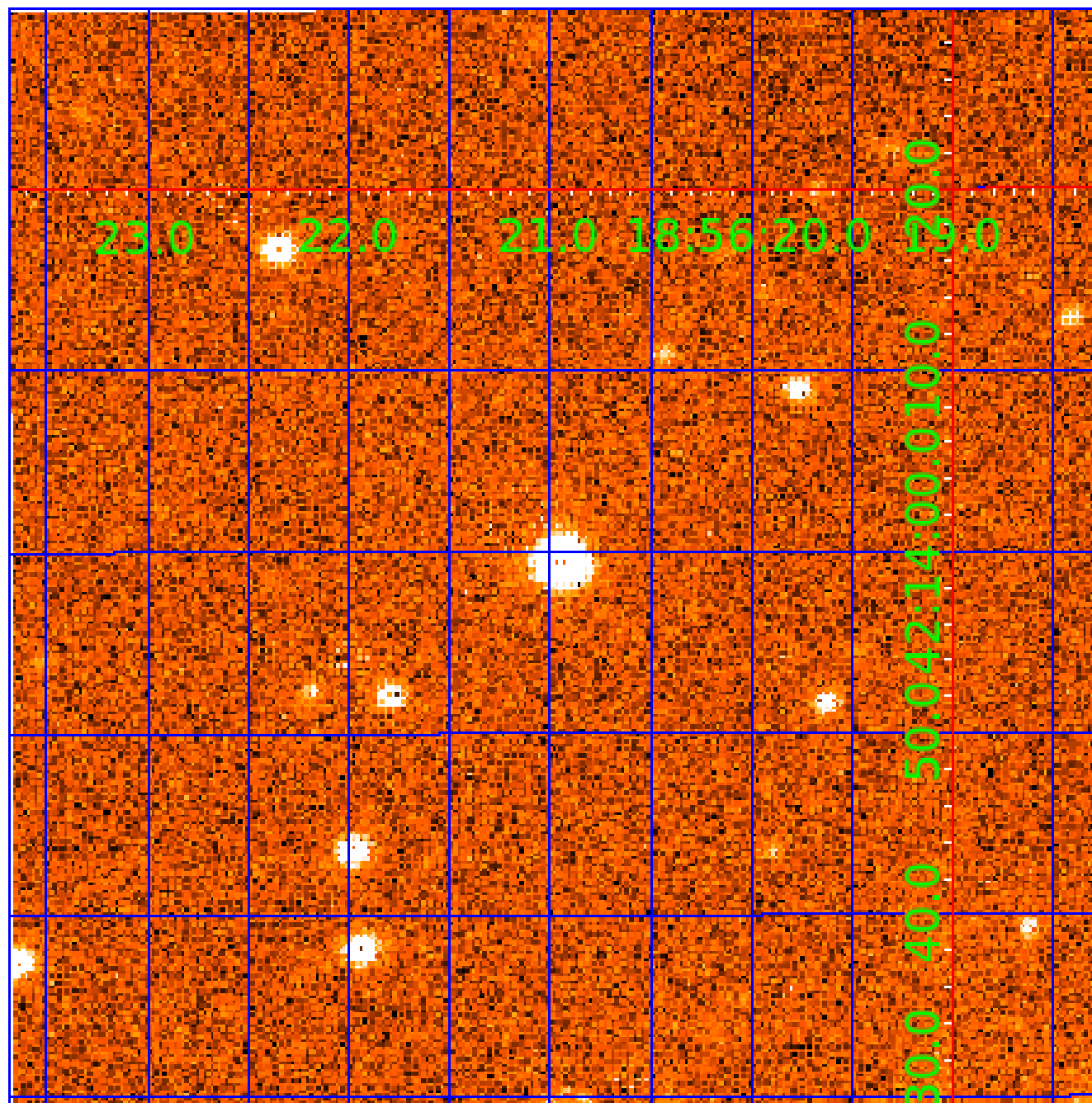


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006756669

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})
006756669-01	OBS	0862.01	5.851522	132.862079	33077.7	3.170	1762.9	1661.9	0.81	5532	14.77	156.18
006756669-02	OBS	No	5.851509	135.800878	506.7	3.426	26.6	29.5	0.81	5532	2.16	156.18
006756669-03	OBS	No	5.851217	132.659094	69.0	45.327	7.4	9.2	0.81	5532	0.66	156.19

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006756669-01	OBS	FP	0.00	0	1	0	0	MOD_SEC_DV—MOD_SEC_ALT—HAS_SEC_TCE
006756669-02	OBS	FP	0.00	1	1	0	0	IS_SEC_TCE
006756669-03	OBS	FP	0.00	1	0	0	0	LPP_DV—RESIDUAL_TCE

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 006756669-03

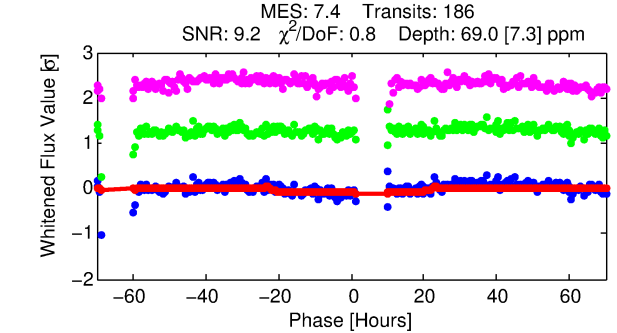
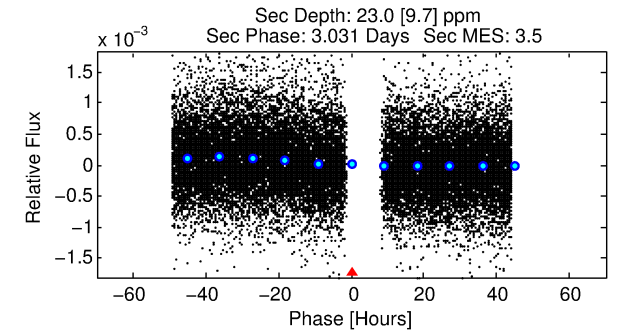
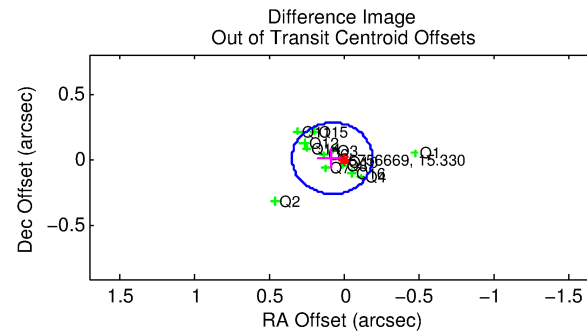
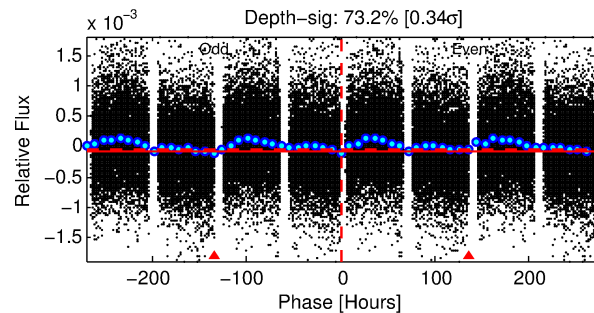
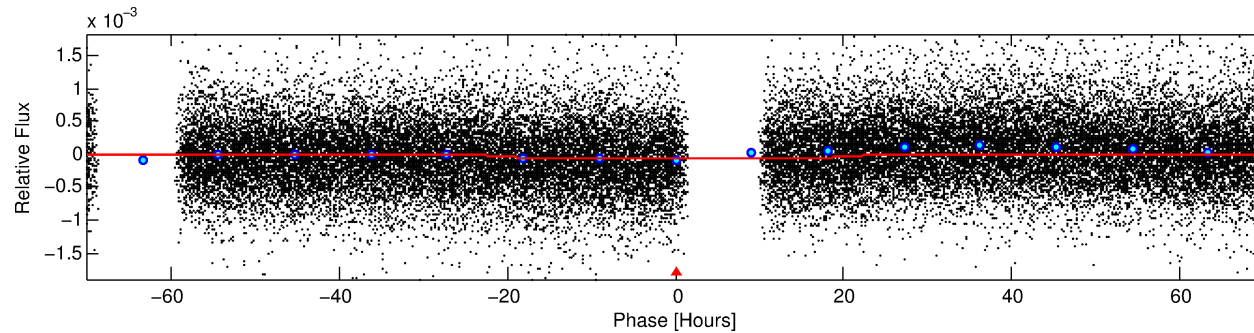
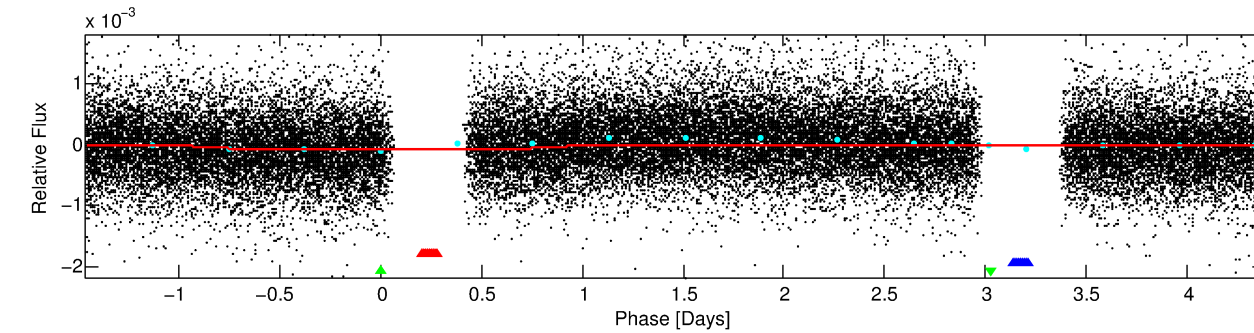
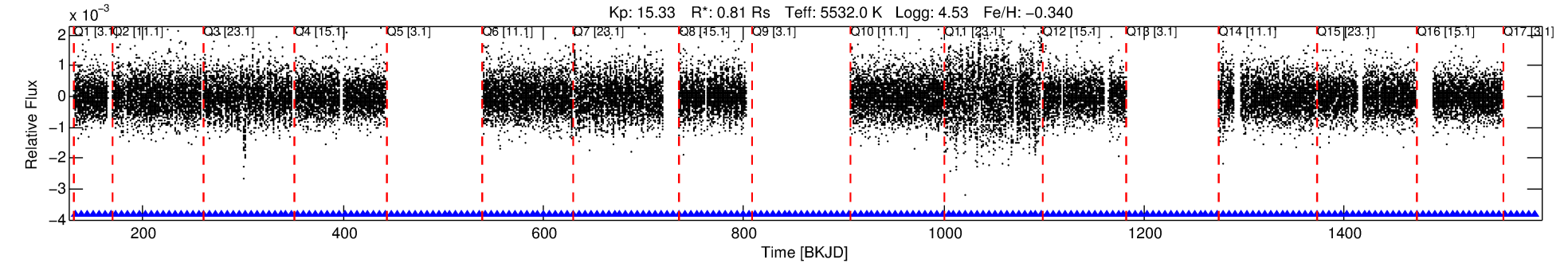
No Significant Match Found

DV One-Page Summary

KIC: 6756669 Candidate: 3 of 3 Period: 5.851 d

KOI: K00862 Corr: No Ephemeris Match

Kp: 15.33 R*: 0.81 Rs Teff: 5532.0 K Logg: 4.53 Fe/H: -0.340



DV Fit Results:

Period = 5.85122 [0.00022] d
Epoch = 132.6591 [0.0284] BKJD
Rp/R* = 0.0075 [0.0052]
a/R* = 1.19 [1.04]
b = 0.06 [48.32]
Seff = 156.19 [41.95]
Teff = 901 [61] K
Rp = 0.66 [0.48] Re
a = 0.0591 [0.0098] AU
Ag = 100.82 [148.04] [0.67σ]
Teffp = 4416 [1605] K [2.19σ]

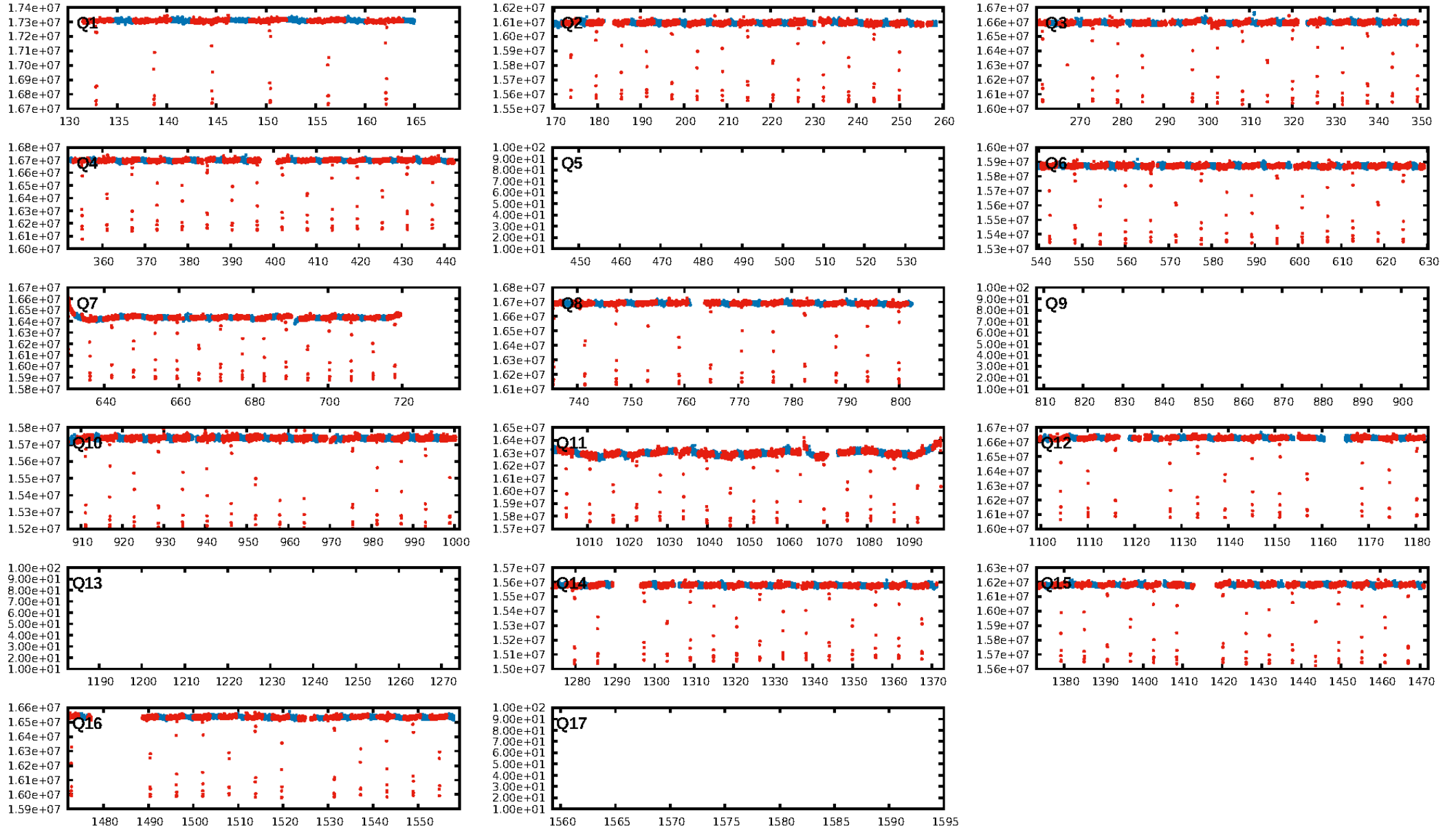
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: 95.7%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [180/180]
GhostDiagnostic-chr: 1.448
Centroid-sig: 63.1%
Centroid-so: 0.658 arcsec [0.68σ]
OotOffset-rm: 0.076 arcsec [0.85σ]
KicOffset-rm: 0.176 arcsec [2.04σ]
OotOffset-st: 4/4/4/1 [13]
KicOffset-st: 4/4/4/1 [13]
DiffImageQuality-fgm: 1.00 [13/13]
DiffImageOverlap-fno: 0.00 [0/13]

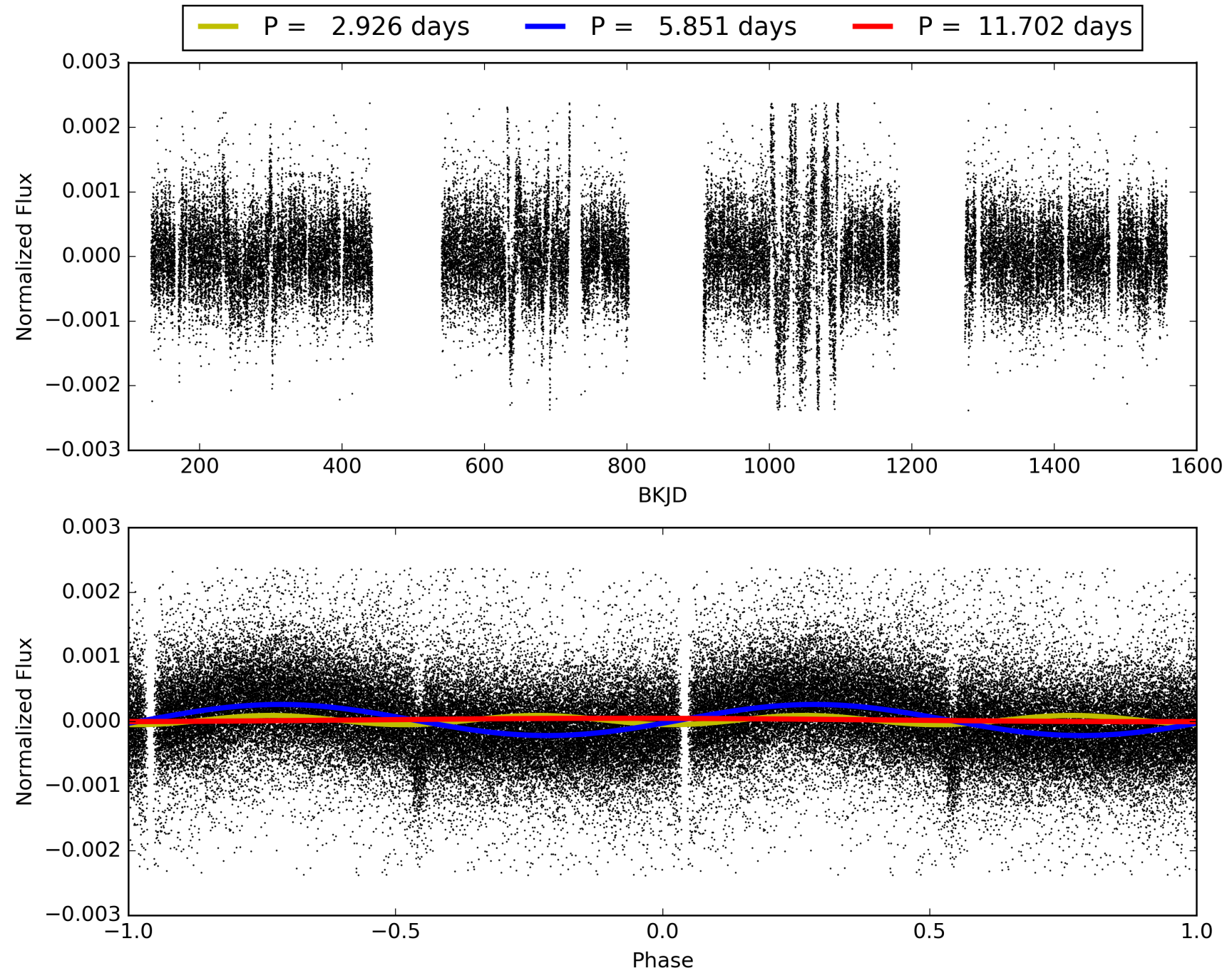
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:51:18 Z

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

TCE 006756669-03, PDC Light Curves

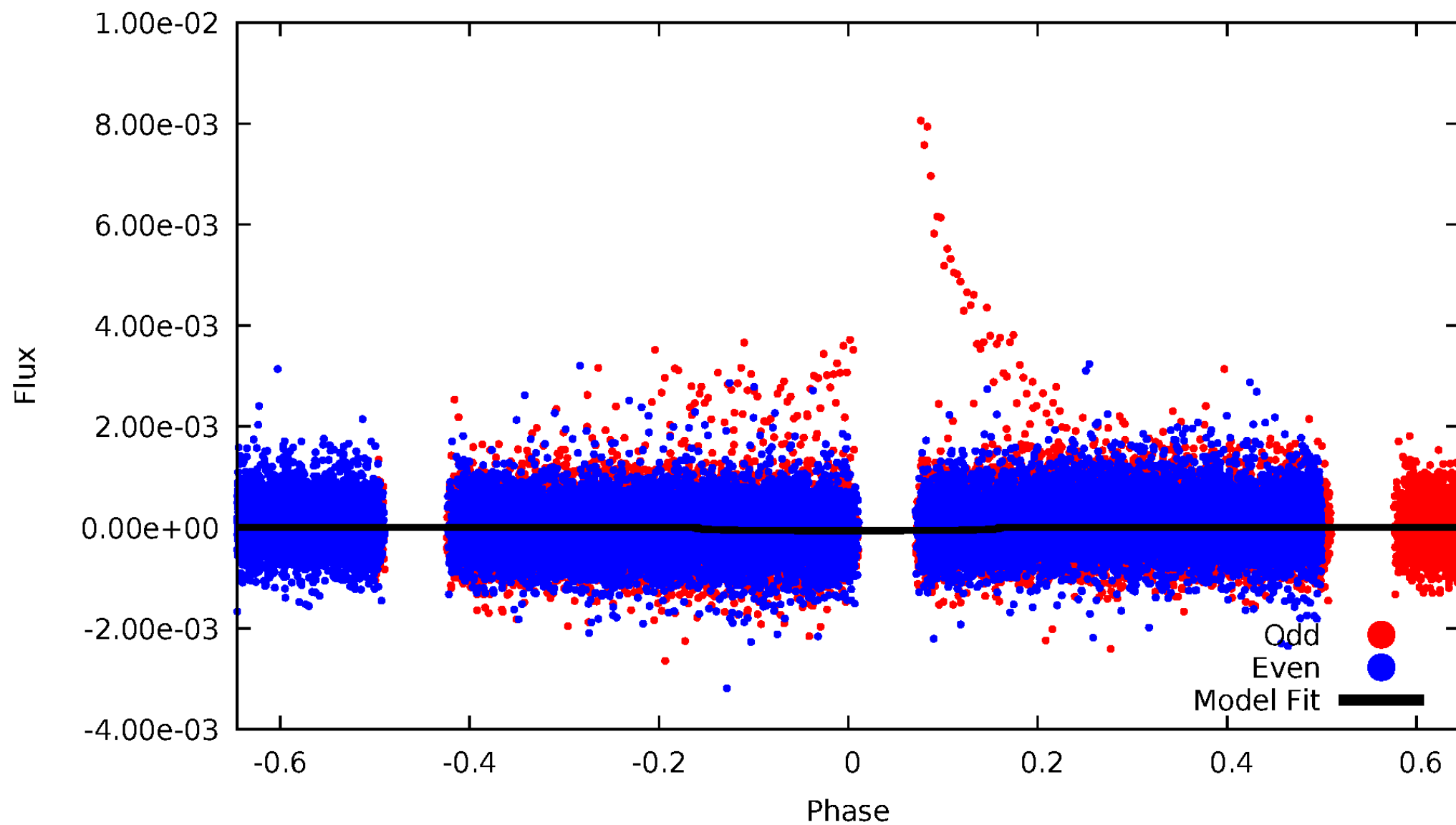


TCE 006756669-03



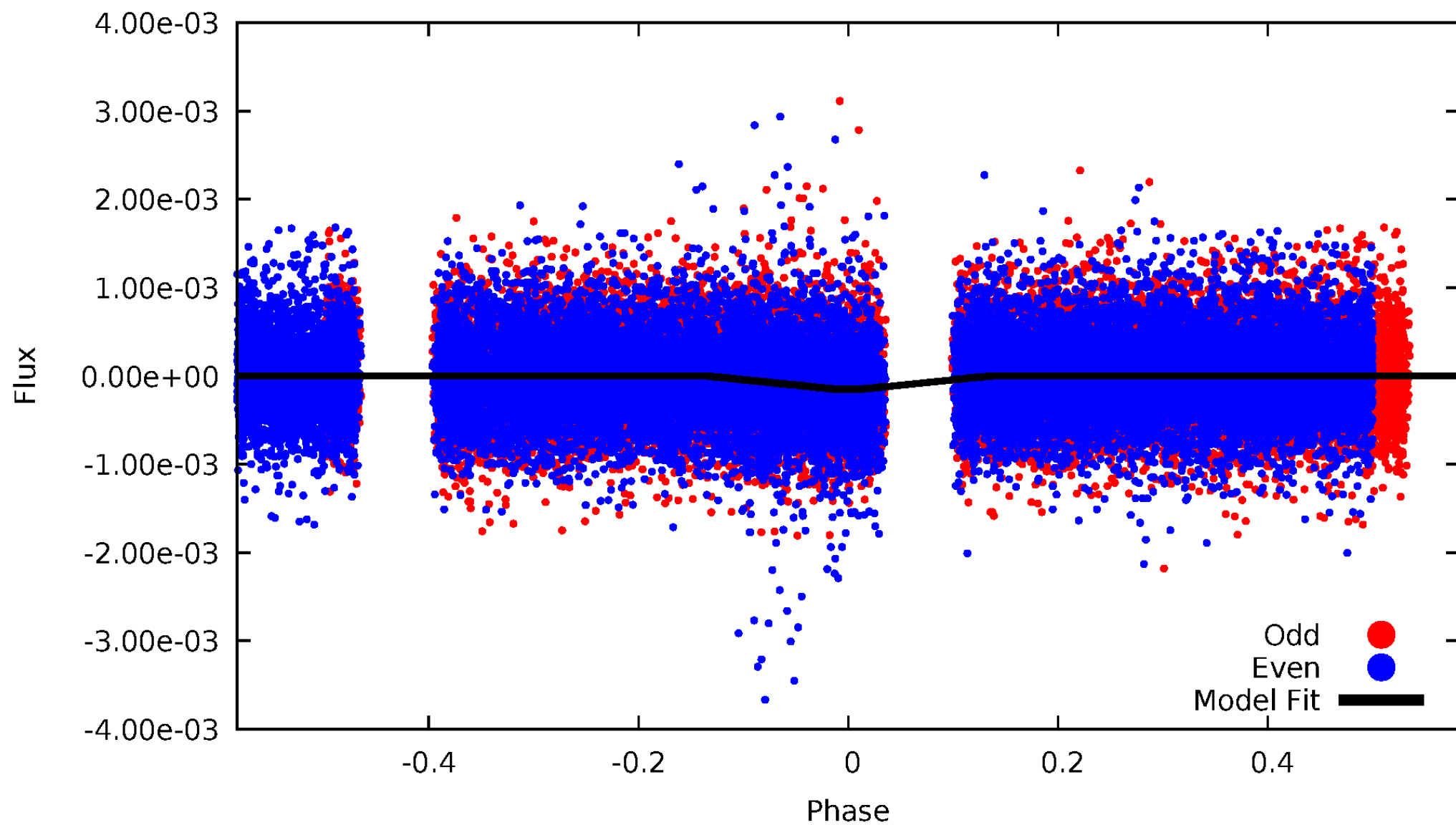
DV Odd/Even

TCE 006756669-03



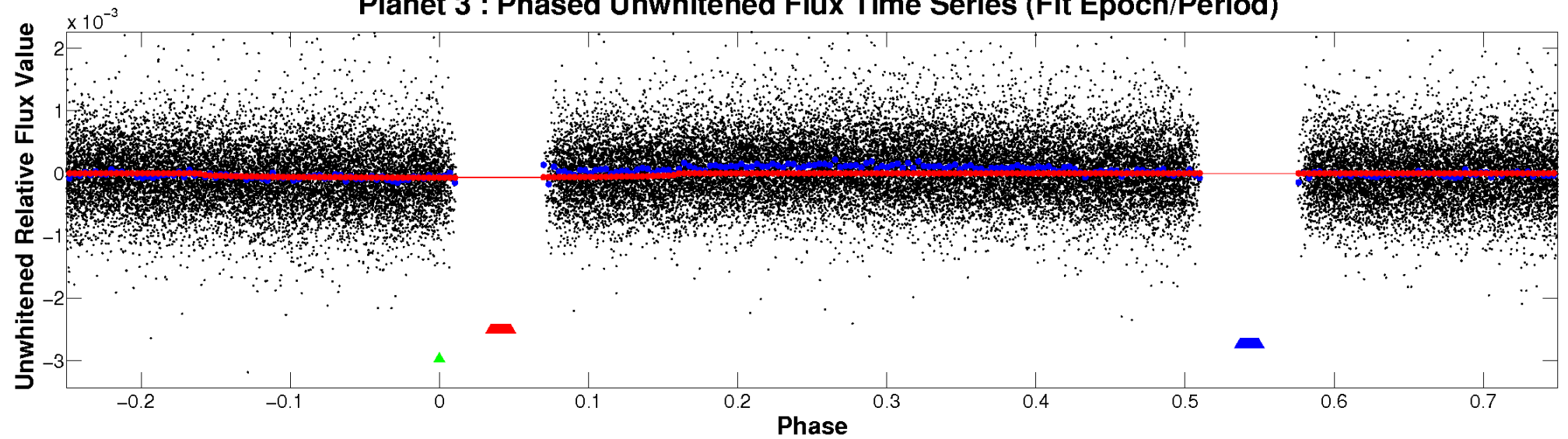
ALT Odd/Even

TCE 006756669-03

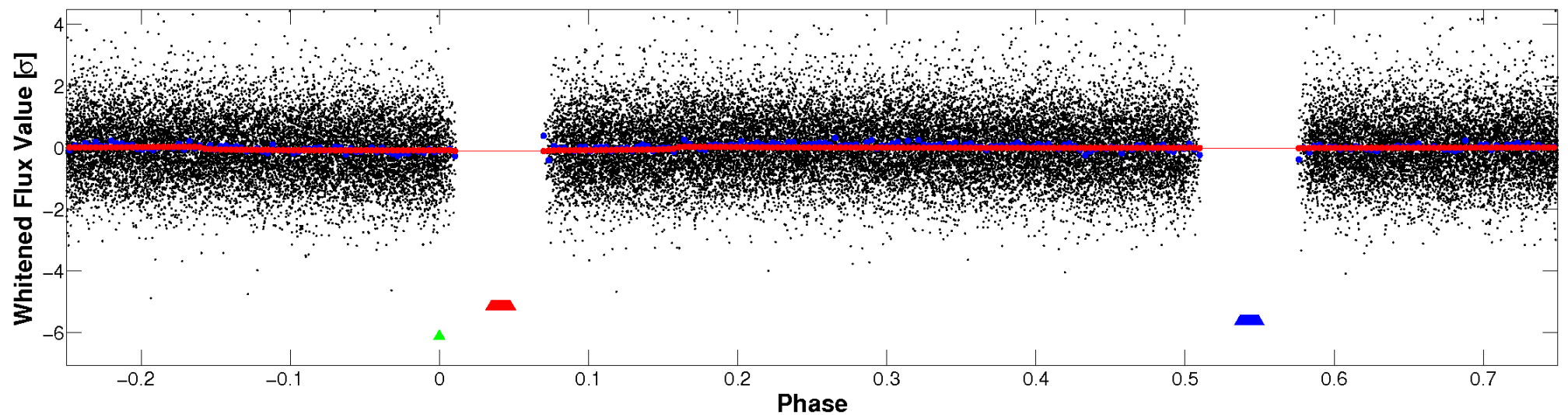


Non-Whitened Vs. Whitened Light Curve

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

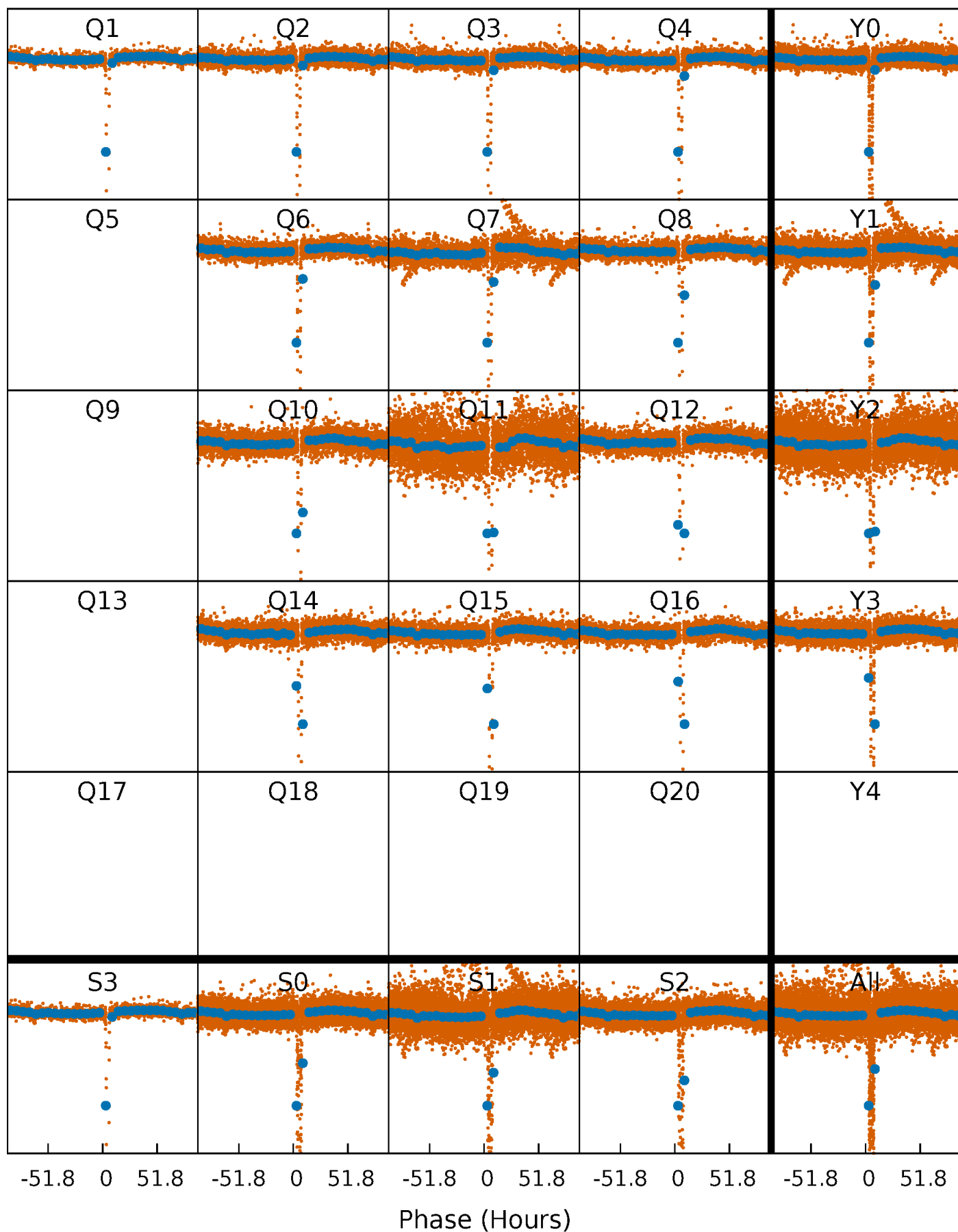


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



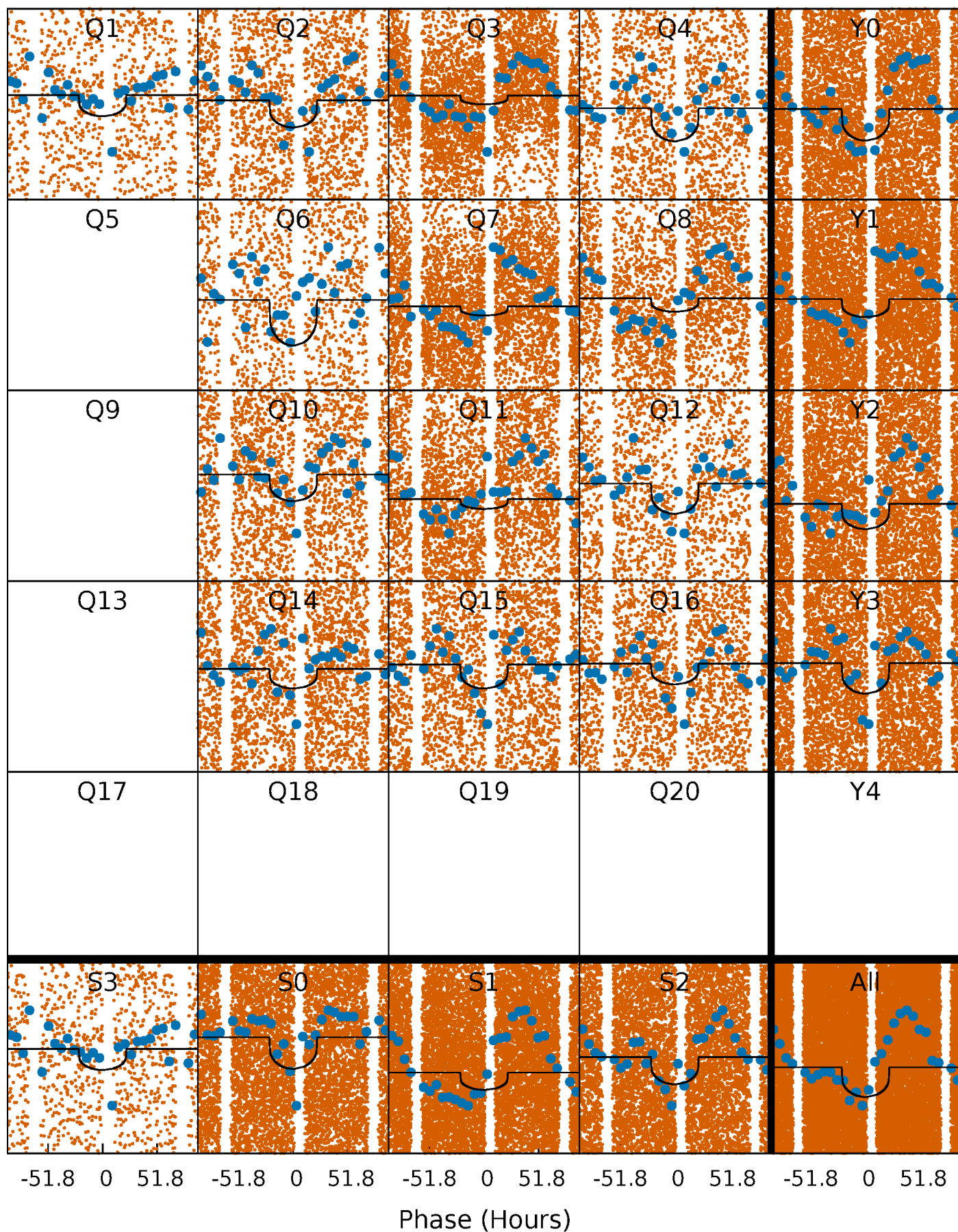
PDC Quarter-Phased Transit Curves

TCE 006756669-03 P= 5.851217 Days $T_0=132.659094$ (BKJD)



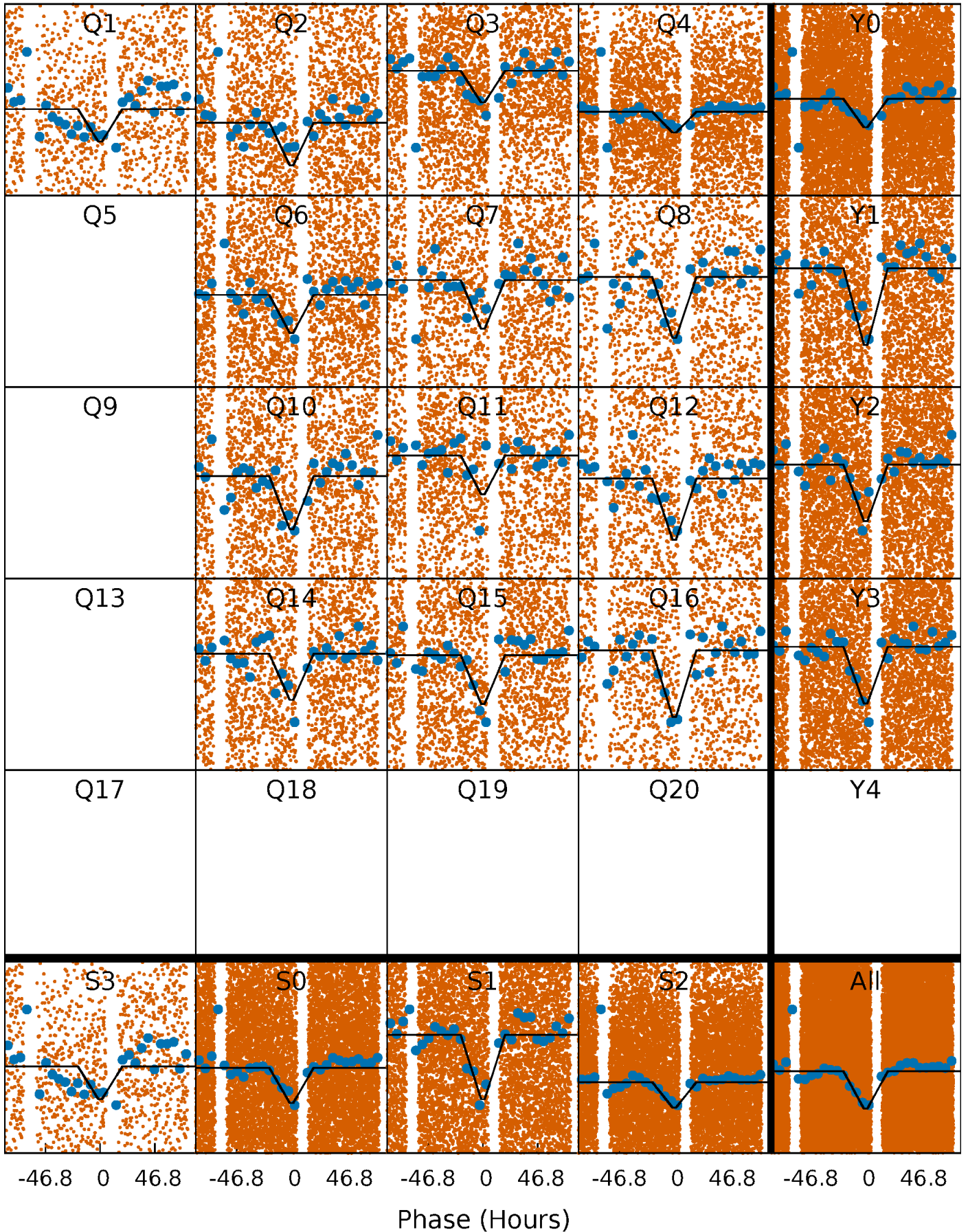
DV Quarter-Phased Transit Curves

TCE 006756669-03 P= 5.851217 Days $T_0=132.659094$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

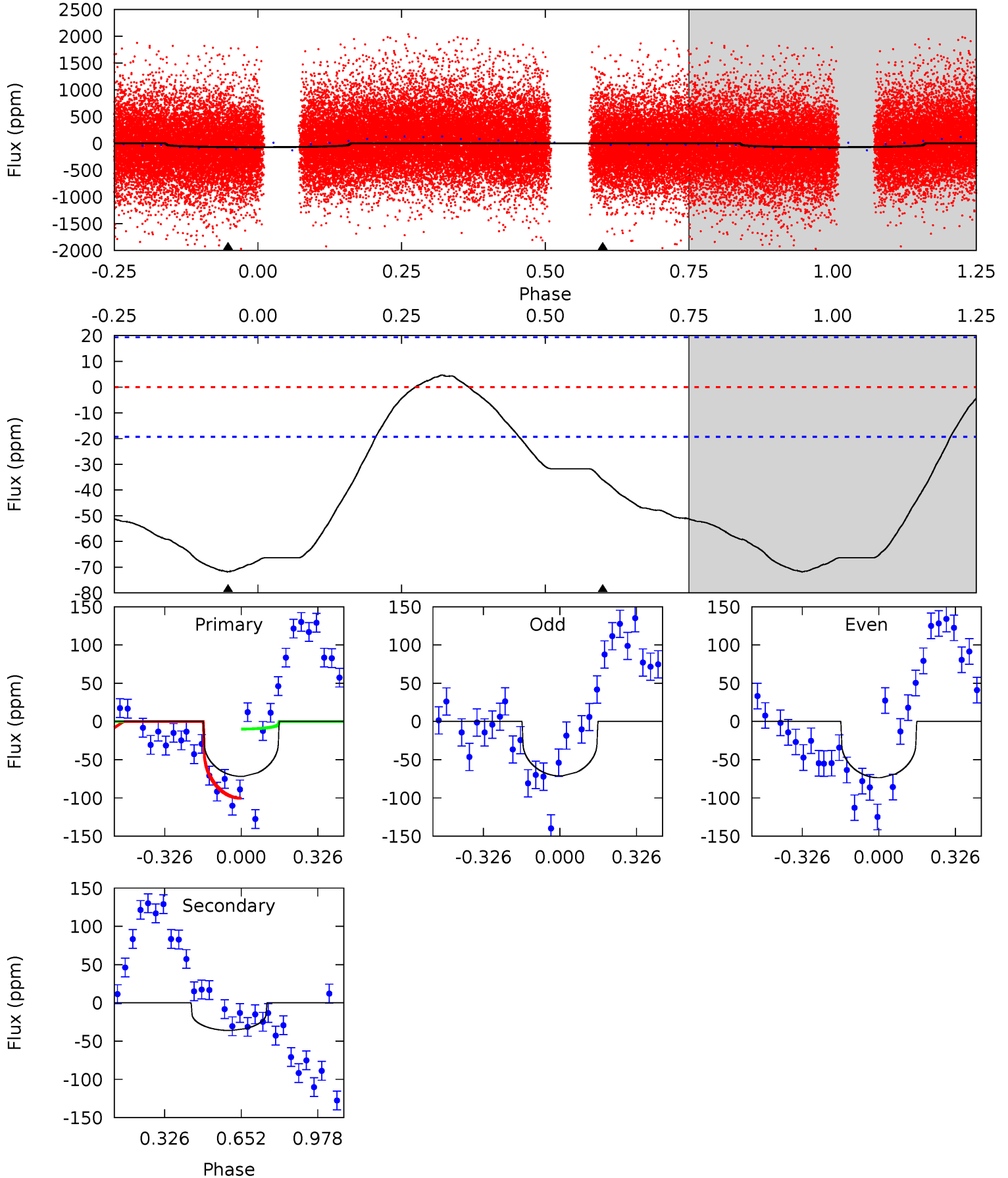
TCE 006756669-03 P= 5.851744 Days $T_0=132.440626$ (BKJD)



DV Model-Shift Uniqueness Test

006756669-03, P = 5.851217 Days, E = 126.807877 Days

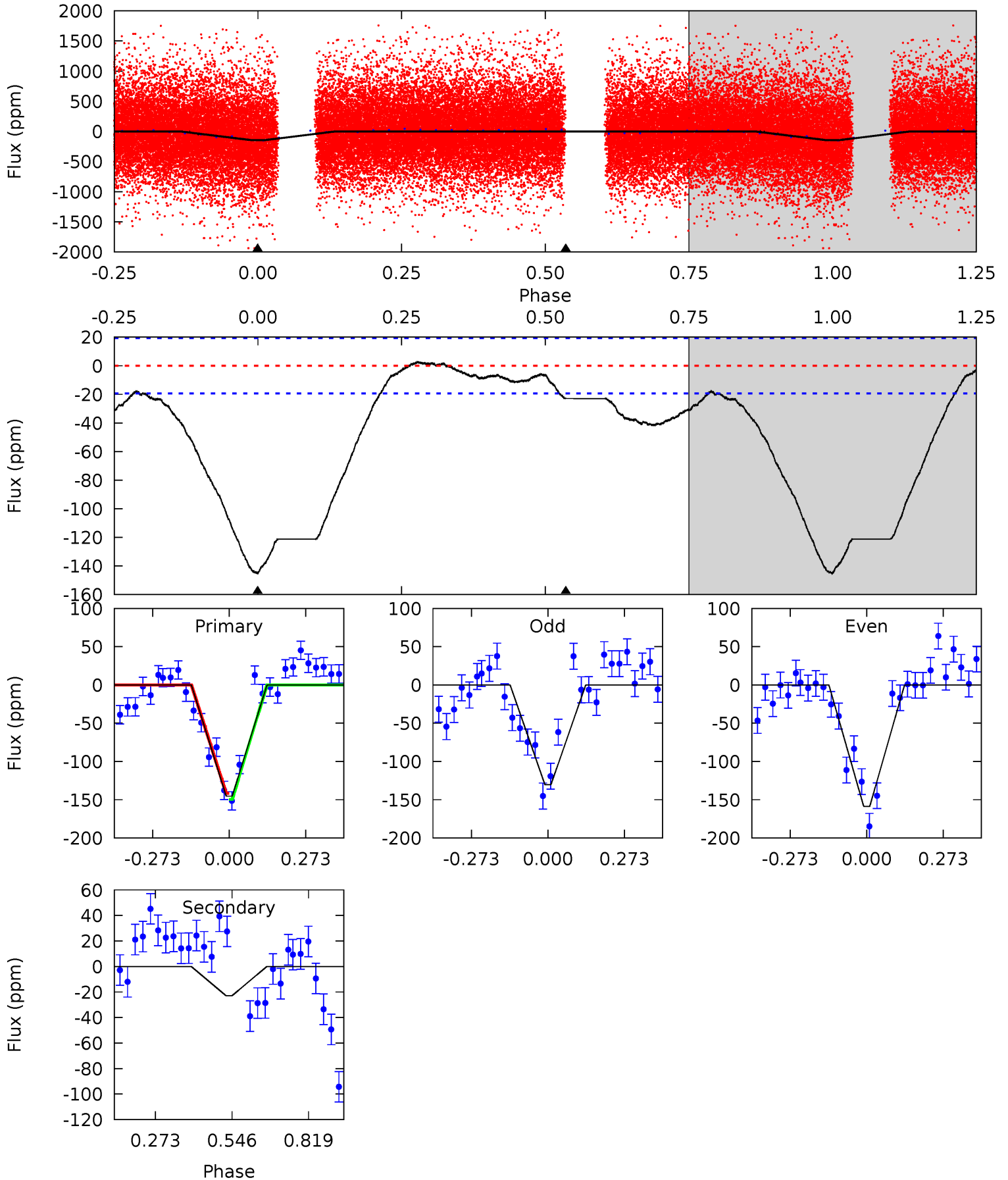
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
16.0	8.04	0	0	4.31	0.98	0.87	16.0	16.0	8.04	8.04	0.27	0.38	0.06	10.3



Alt Model-Shift Uniqueness Test

006756669-03, P = 5.851744 Days, E = 126.588882 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
32.6	5.13	0	0	4.35	1.10	1.73	32.6	32.6	5.13	5.13	3.18	1.10	0.02	0.85



Stellar Parameters For KIC 006756669

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	5532^{+167}_{-167}	$4.530^{+0.070}_{-0.130}$	$-0.340^{+0.300}_{-0.300}$	$0.806^{+0.161}_{-0.087}$	$0.804^{+0.100}_{-0.072}$	$2.161^{+0.622}_{-0.813}$
	+3%/-3%	+2%/-3%	+88%/-88%	+20%/-11%	+12%/-9%	+29%/-38%
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 006756669-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-36 ± 4	$0.73^{+0.44}_{-0.40}$	1270^{+66}_{-54}	4847^{+2198}_{-778}	129^{+508}_{-80}
Alt.	-23 ± 4	$1.08^{+0.47}_{-0.46}$	1272^{+70}_{-59}	3824^{+915}_{-420}	37^{+80}_{-19}

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 $A_{obs} \gg 1.0$

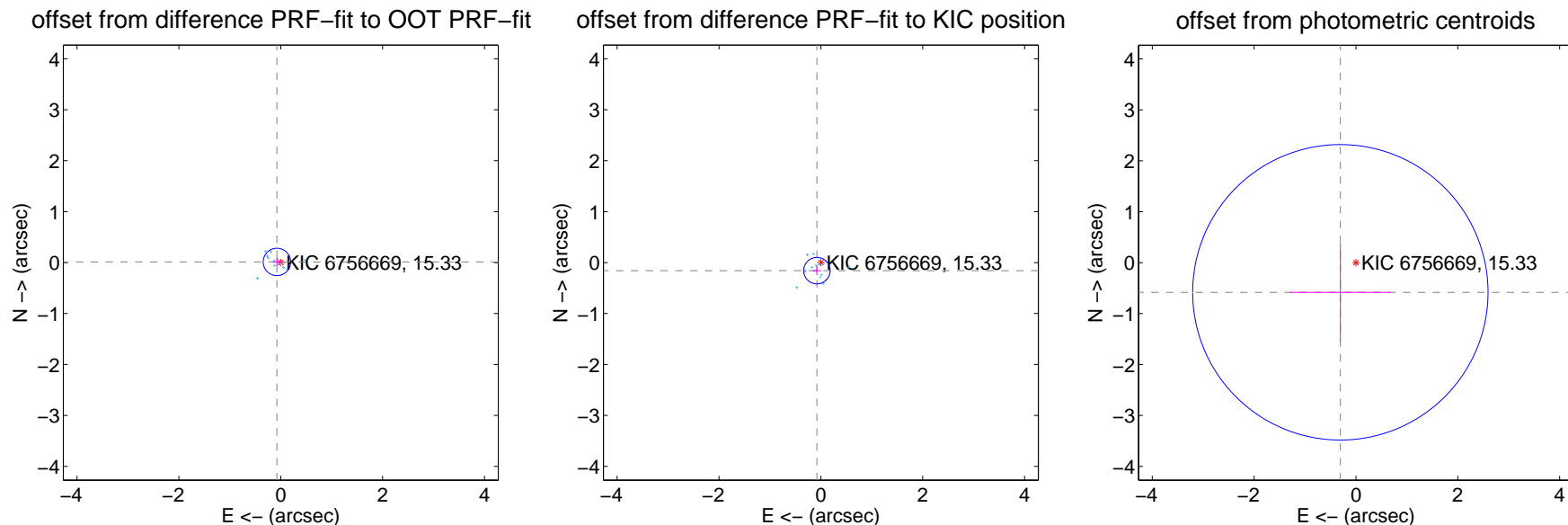
DV Centroid Data

Supplemental centroid analysis for 006756669-03. Kepler magnitude: 15.33. Transit SNR 9.25

There are 13 quarters with good PRF difference image offsets

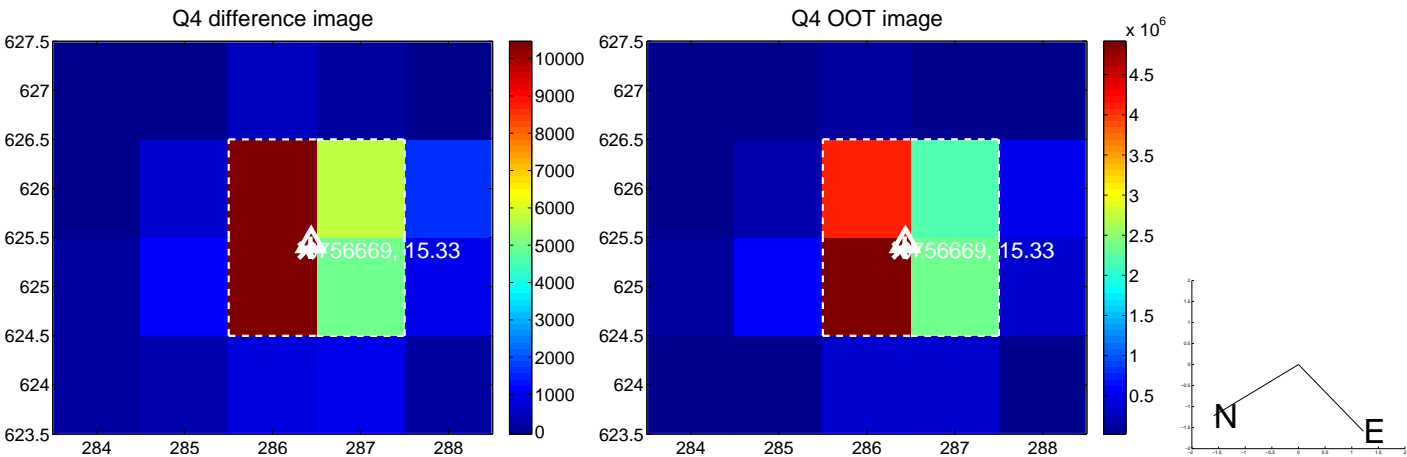
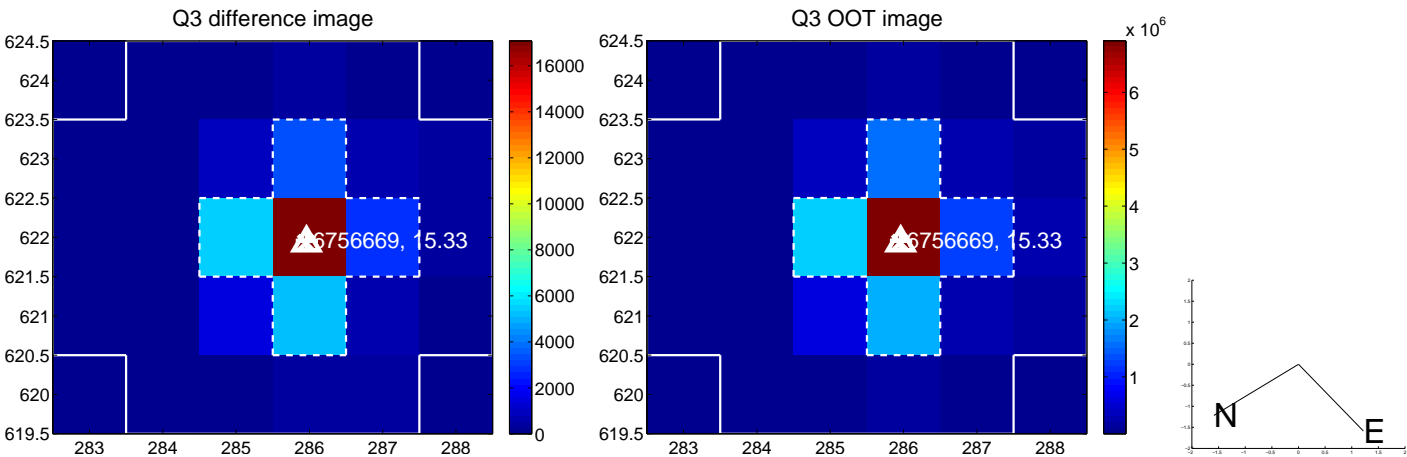
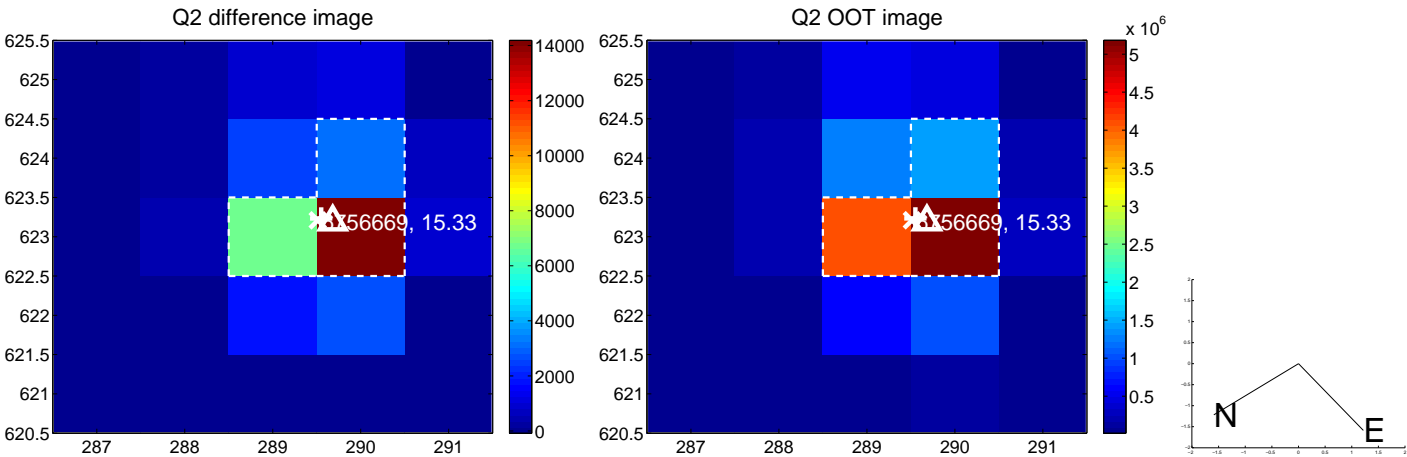
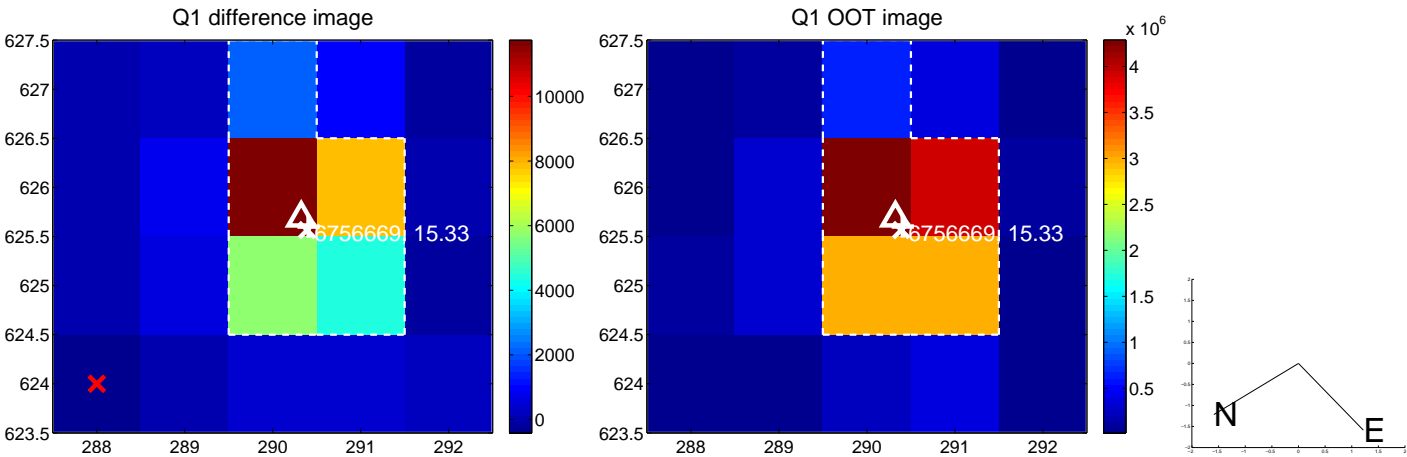
The direct PRF centroid is offset from the target star catalog position by about 0.31 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.076 ± 0.090	0.85	0.075 ± 0.090	0.013 ± 0.076
PRF-fit source offset from KIC position	0.176 ± 0.086	2.04	0.078 ± 0.084	-0.158 ± 0.087
photometric centroid source offset	0.66 ± 0.97	0.68	0.31 ± 0.99	-0.58 ± 0.96

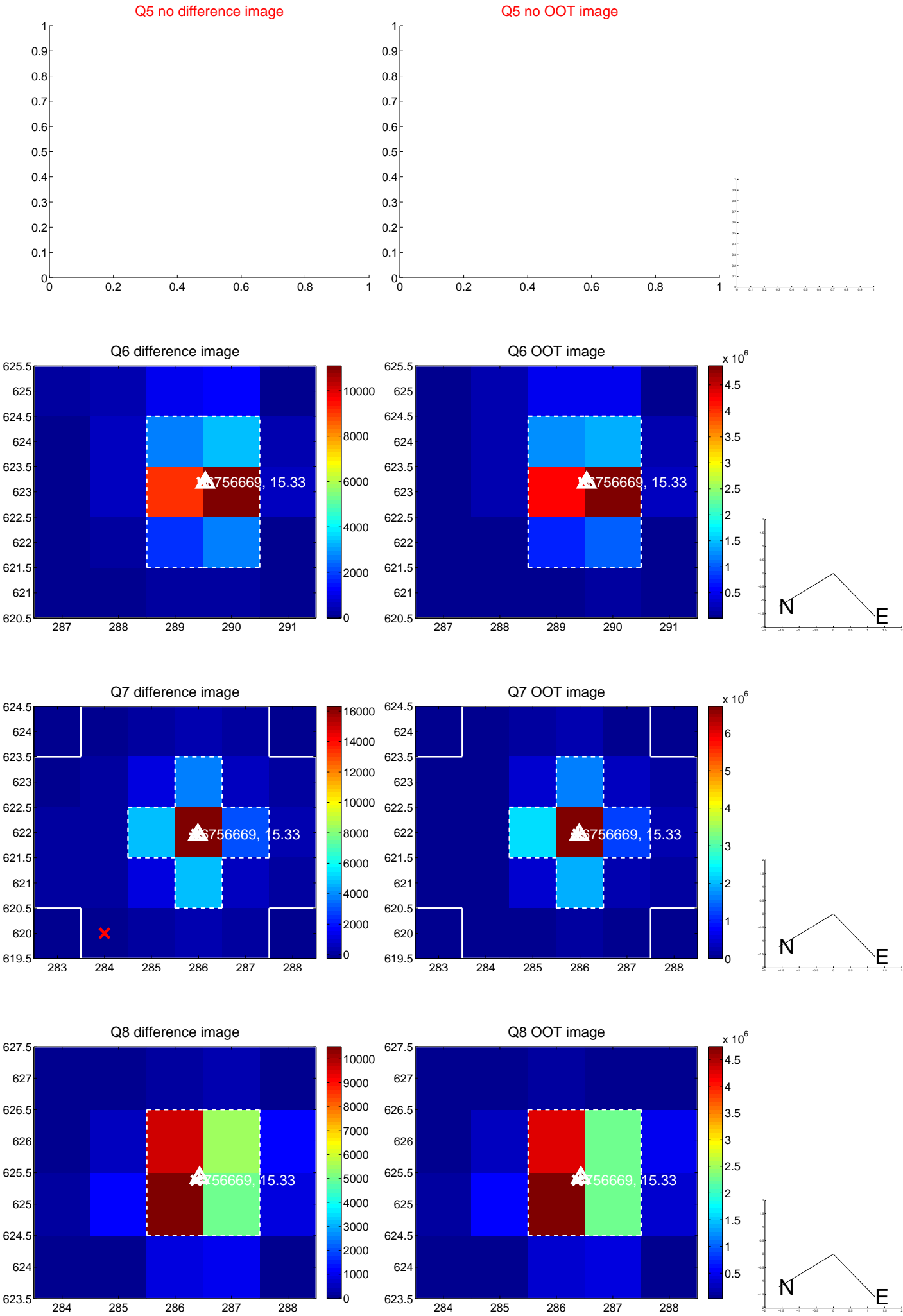


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

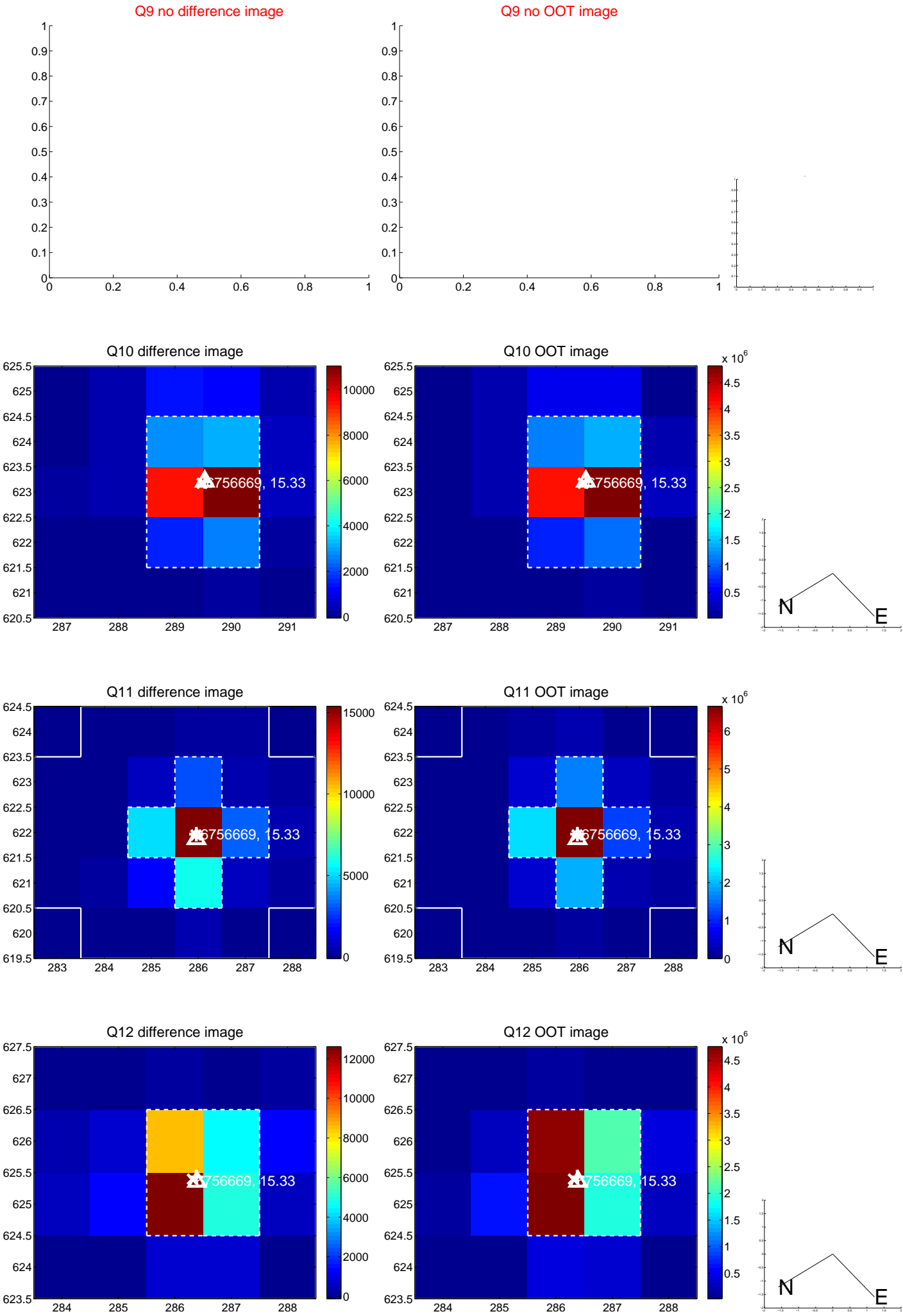
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



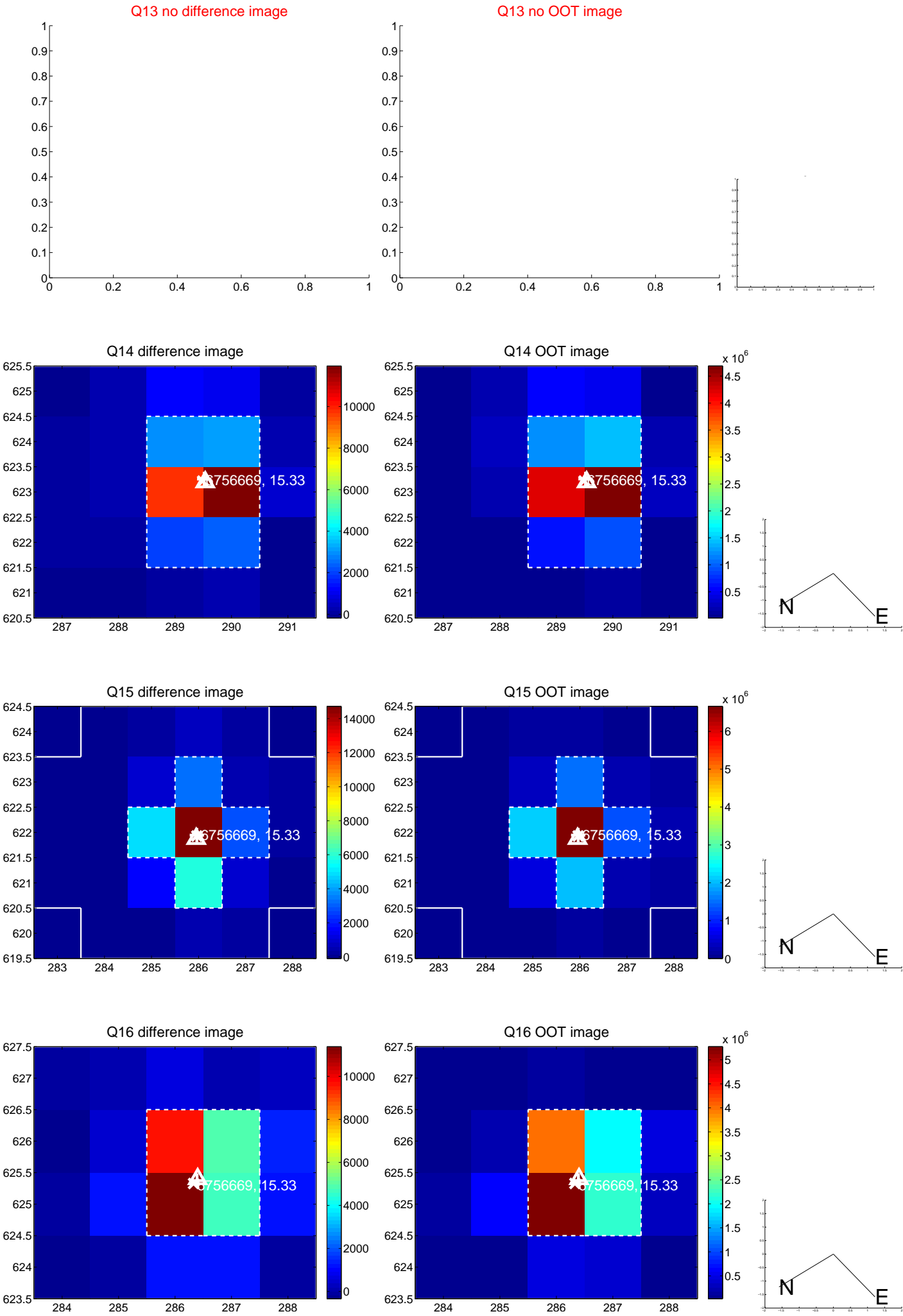
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



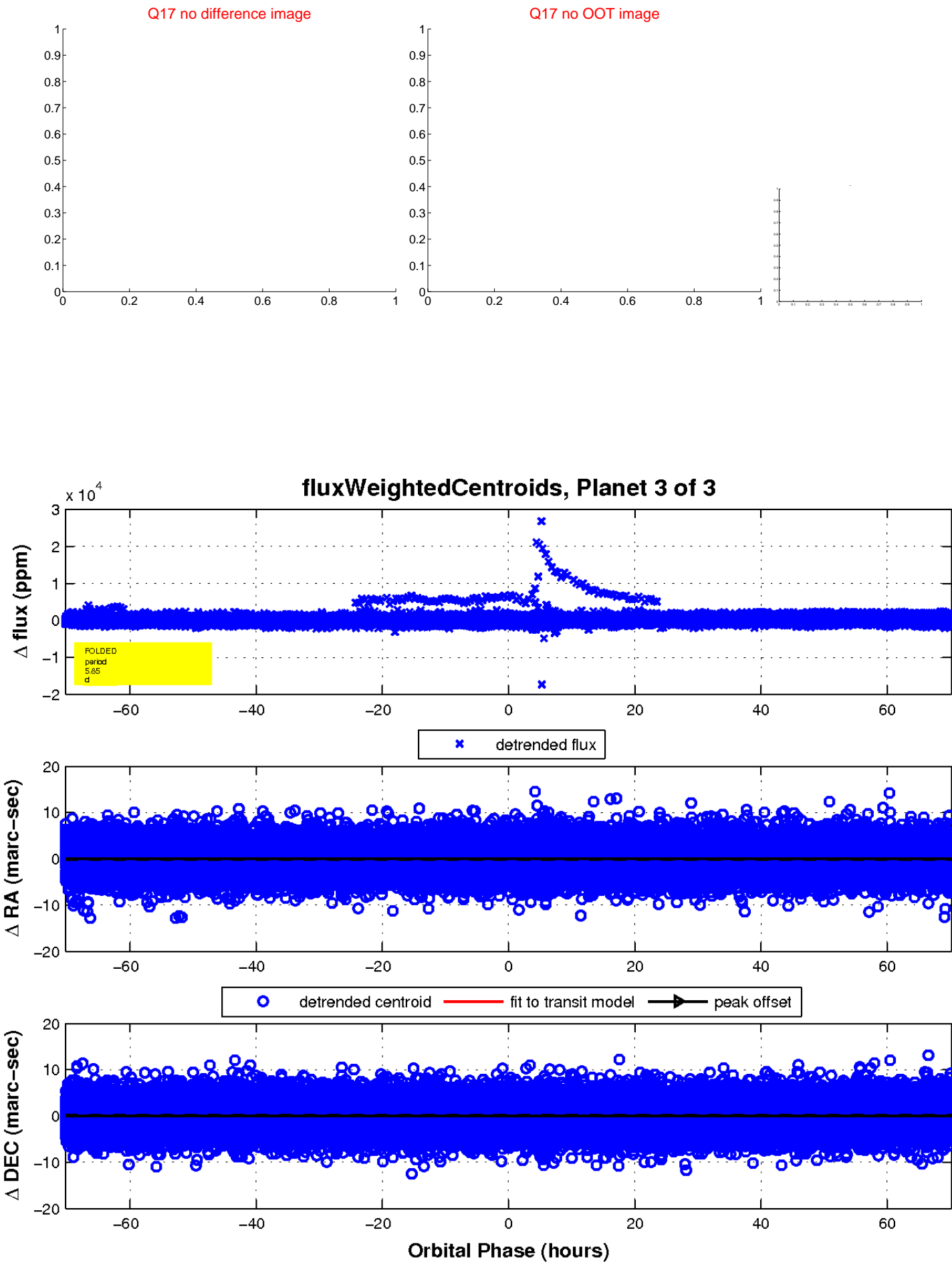
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

Declination

