

KIC 008095099

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})
008095099-01	OBS	6171.01	2.103242	132.866420	315889.4	3.500	16876.3	-1.0	0.96	6074	37.89	1104.82
008095099-02	OBS	No	7.361447	131.565483	19658.5	15.000	1252.0	-1.0	0.96	6074	13.53	207.90
008095099-03	OBS	No	7.361447	134.725874	19120.2	15.000	1236.7	-1.0	0.96	6074	13.35	207.90

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008095099-01	OBS	FP	0.00	0	1	0	0	DEPTH_ODDEVEN_ALT—MOD_ODDEVEN_ALT—CENT_NOFITS
008095099-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_NOFITS
008095099-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_NOFITS

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 008095099-01

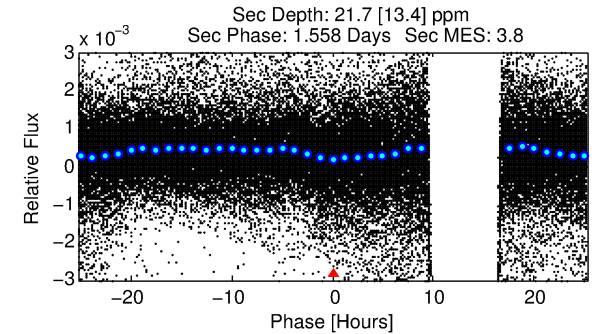
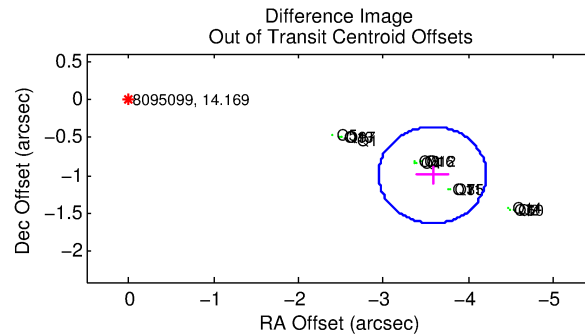
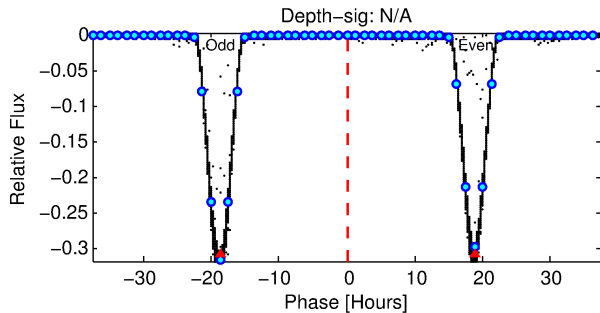
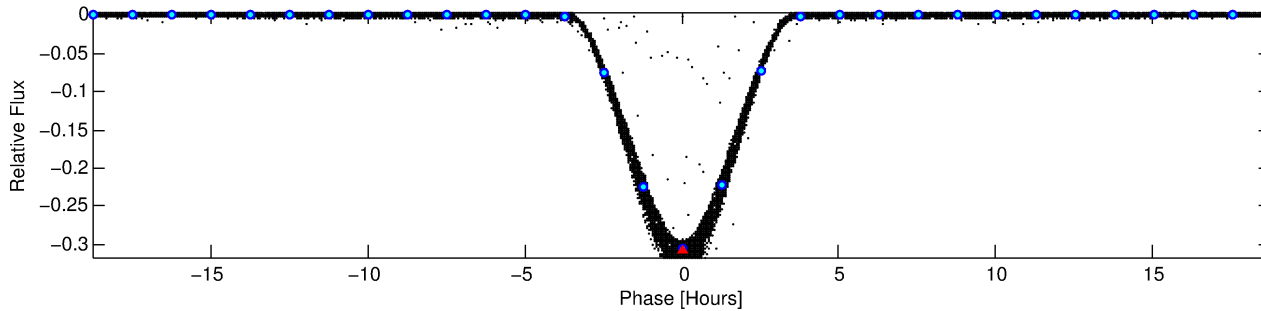
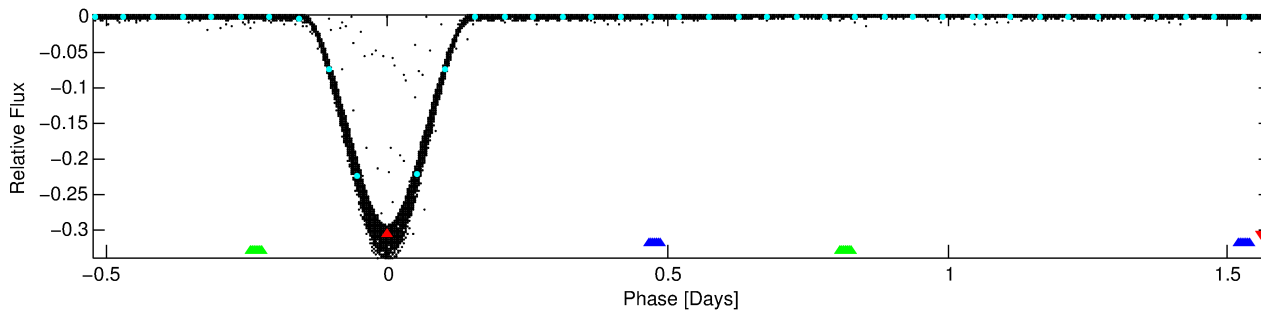
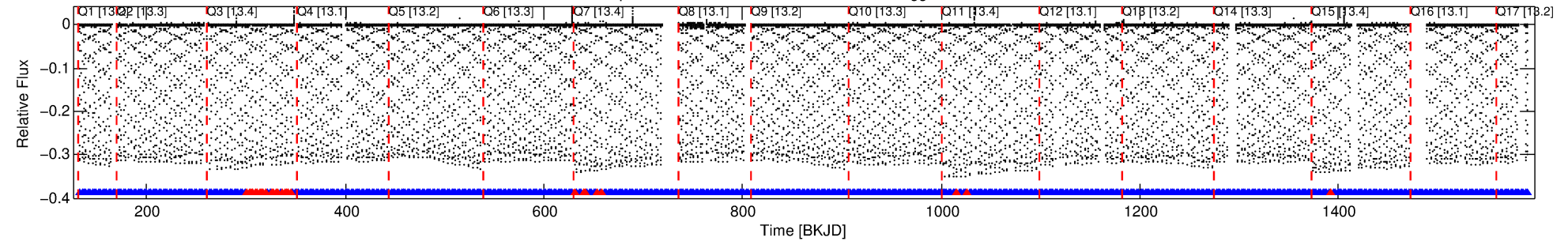
No Significant Match Found

DV One-Page Summary

KIC: 8095099 Candidate: 1 of 3 Period: 2.103 d

KOI: K06171 Corr: No Ephemeris Match

Kp: 14.17 R*: 0.96 Rs Teff: 6074.0 K Logg: 4.47 Fe/H: -0.240



TPS TCE Results:

Period = 2.10324 d
Epoch = 132.8664 BKJD

DV fit results are unavailable

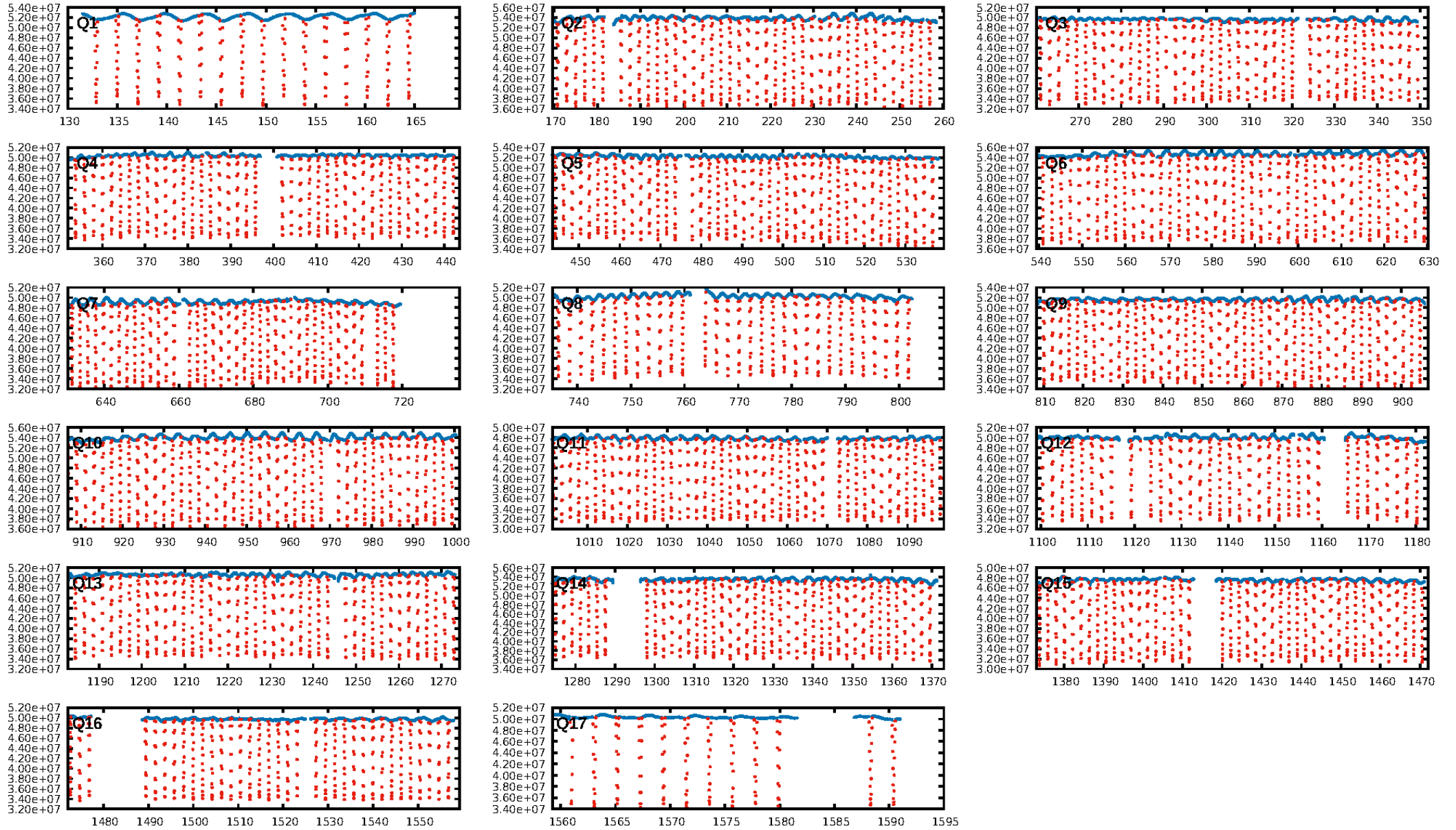
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [8.19σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.96 [588/615]
GhostDiagnostic-chr: 2.363
Centroid-sig: N/A
Centroid-so: 1.664 arcsec [5568.48σ]
OotOffset-rm: 3.717 arcsec [17.56σ]
KicOffset-rm: 0.079 arcsec [1.16σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 1.00 [17/17]

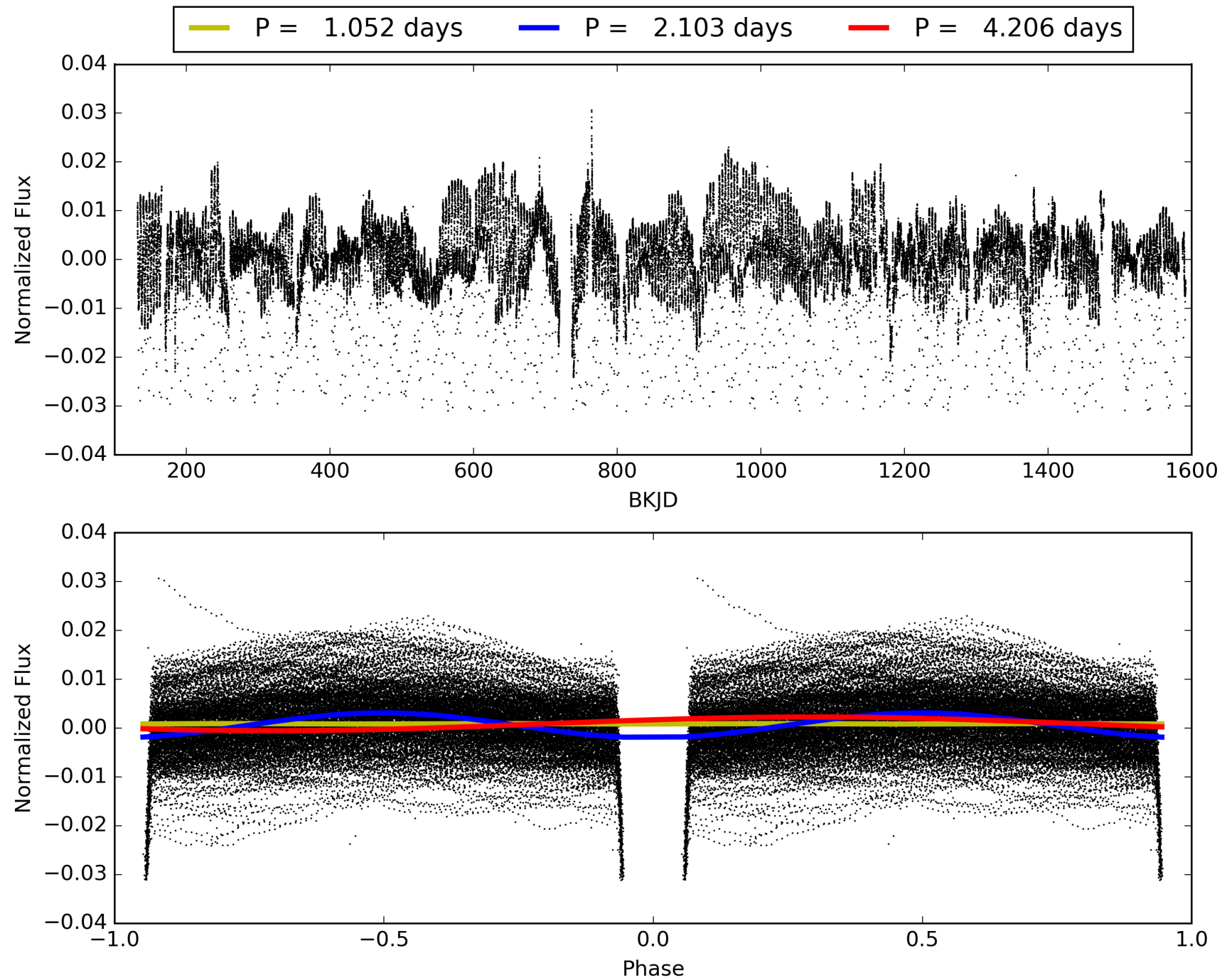
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 23:12:13 Z

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

TCE 008095099-01, PDC Light Curves

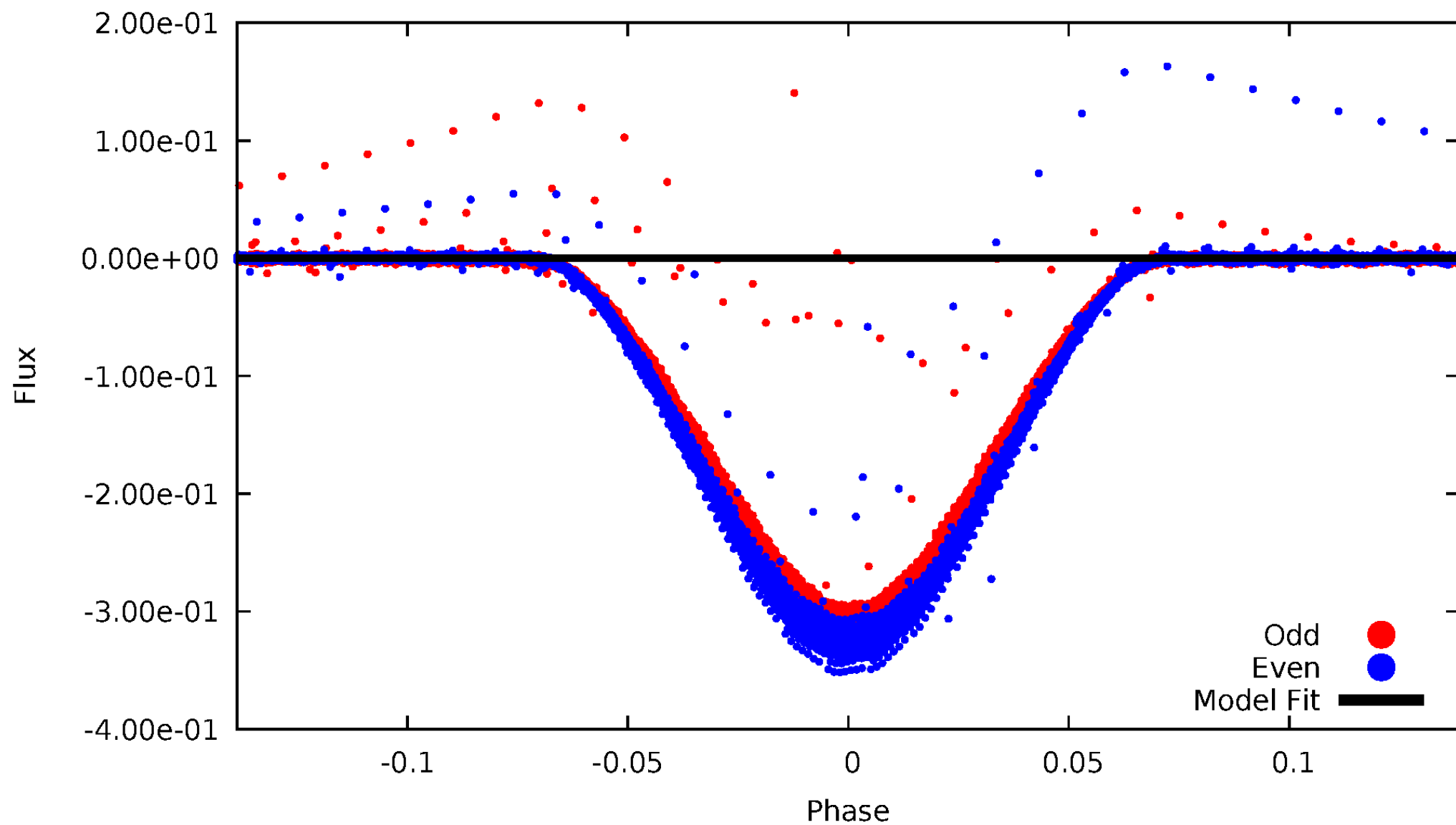


TCE 008095099-01



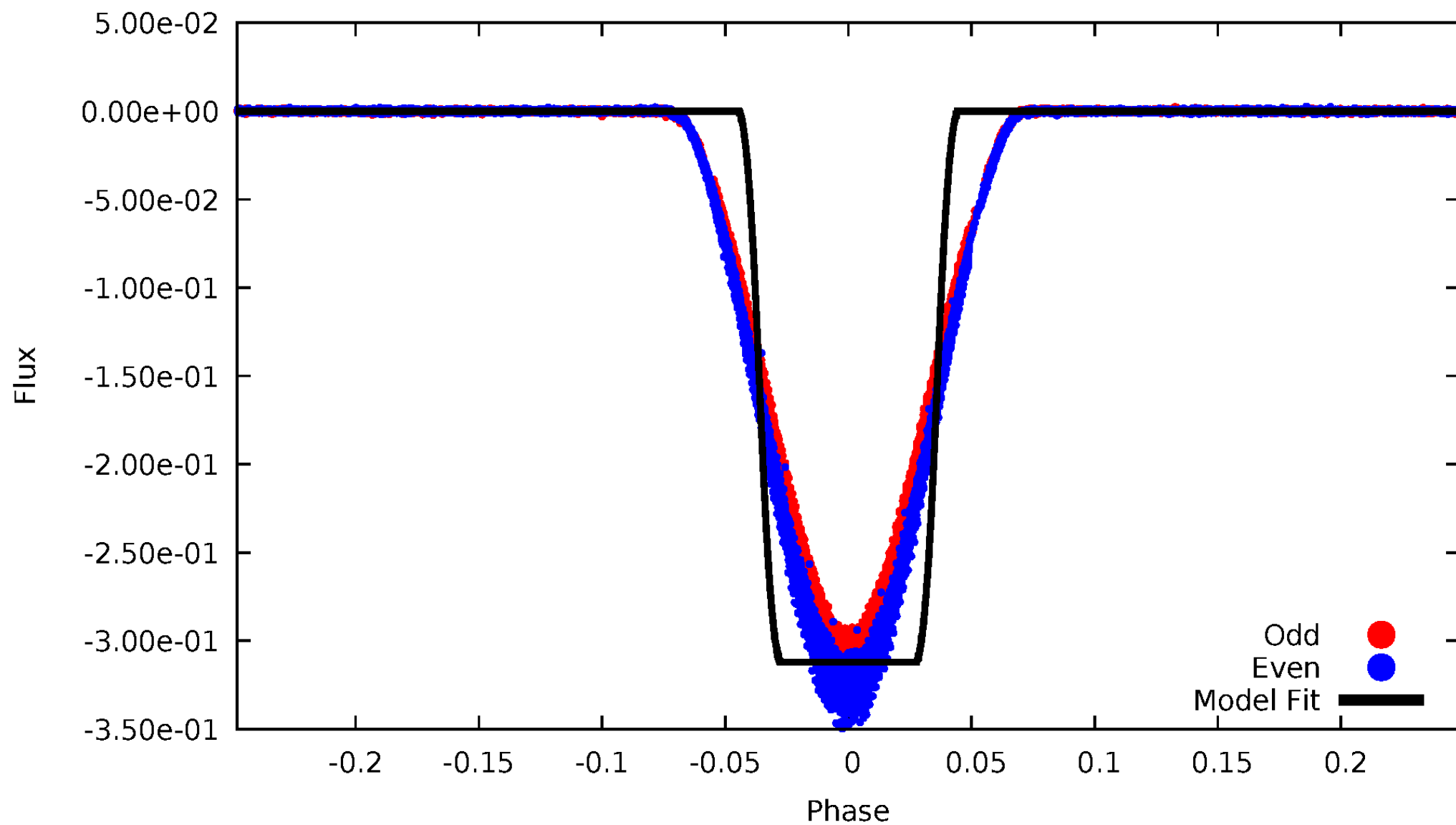
DV Odd/Even

TCE 008095099-01



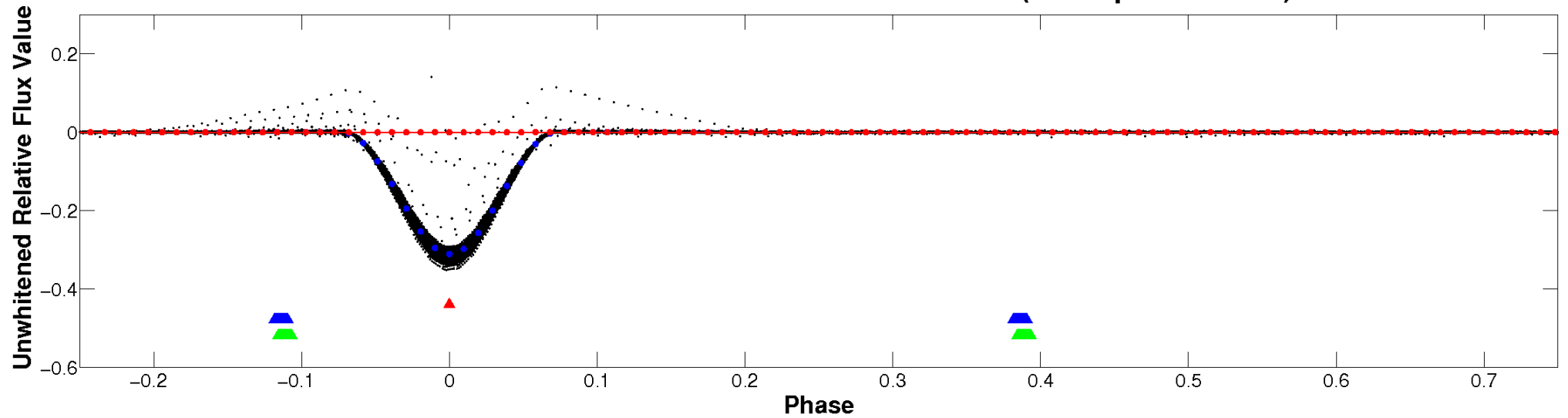
ALT Odd/Even

TCE 008095099-01



Non-Whitened Vs. Whitened Light Curve

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

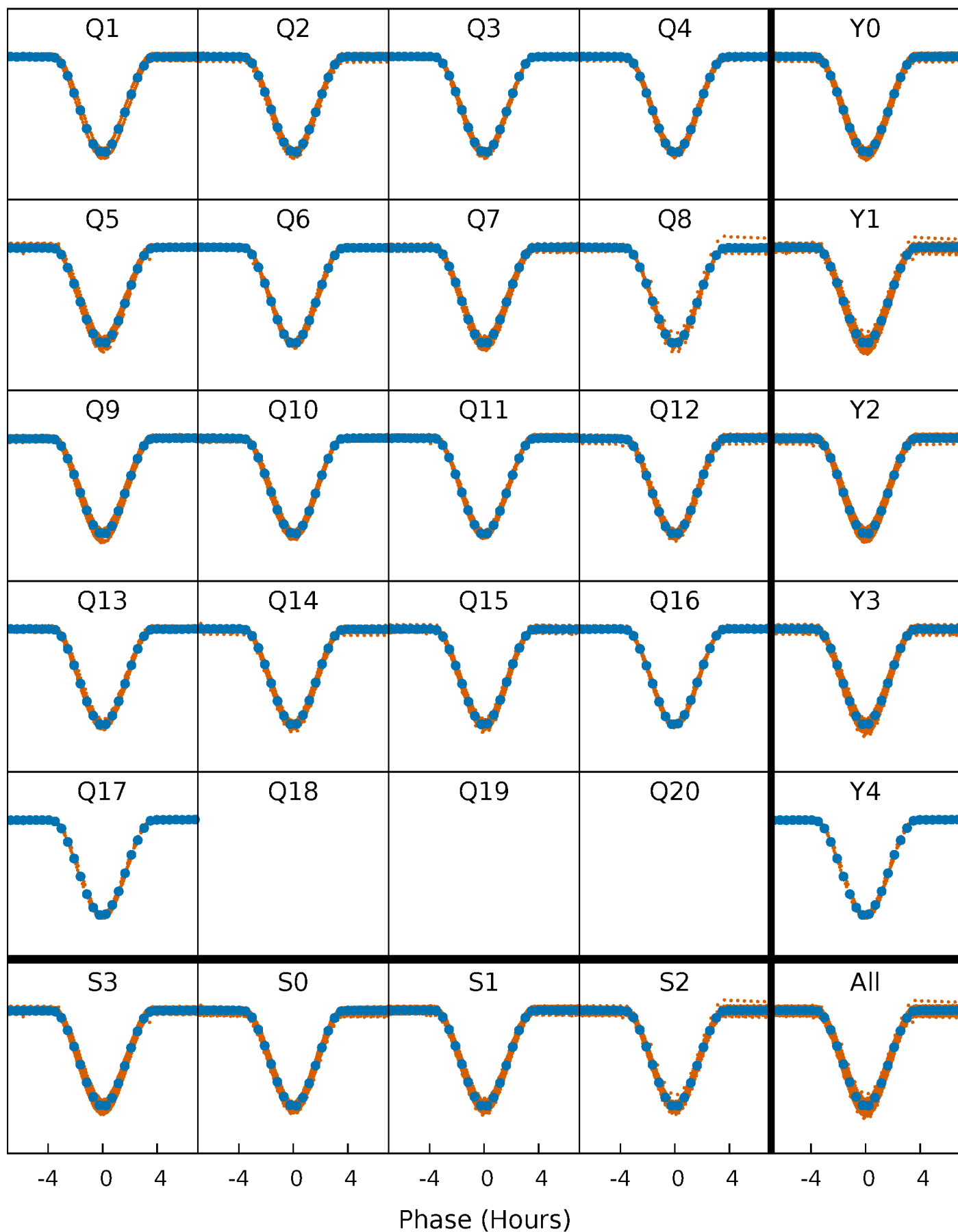


Planet 1 : Phased Whitened Flux Time Series (TPS Epoch/Period)



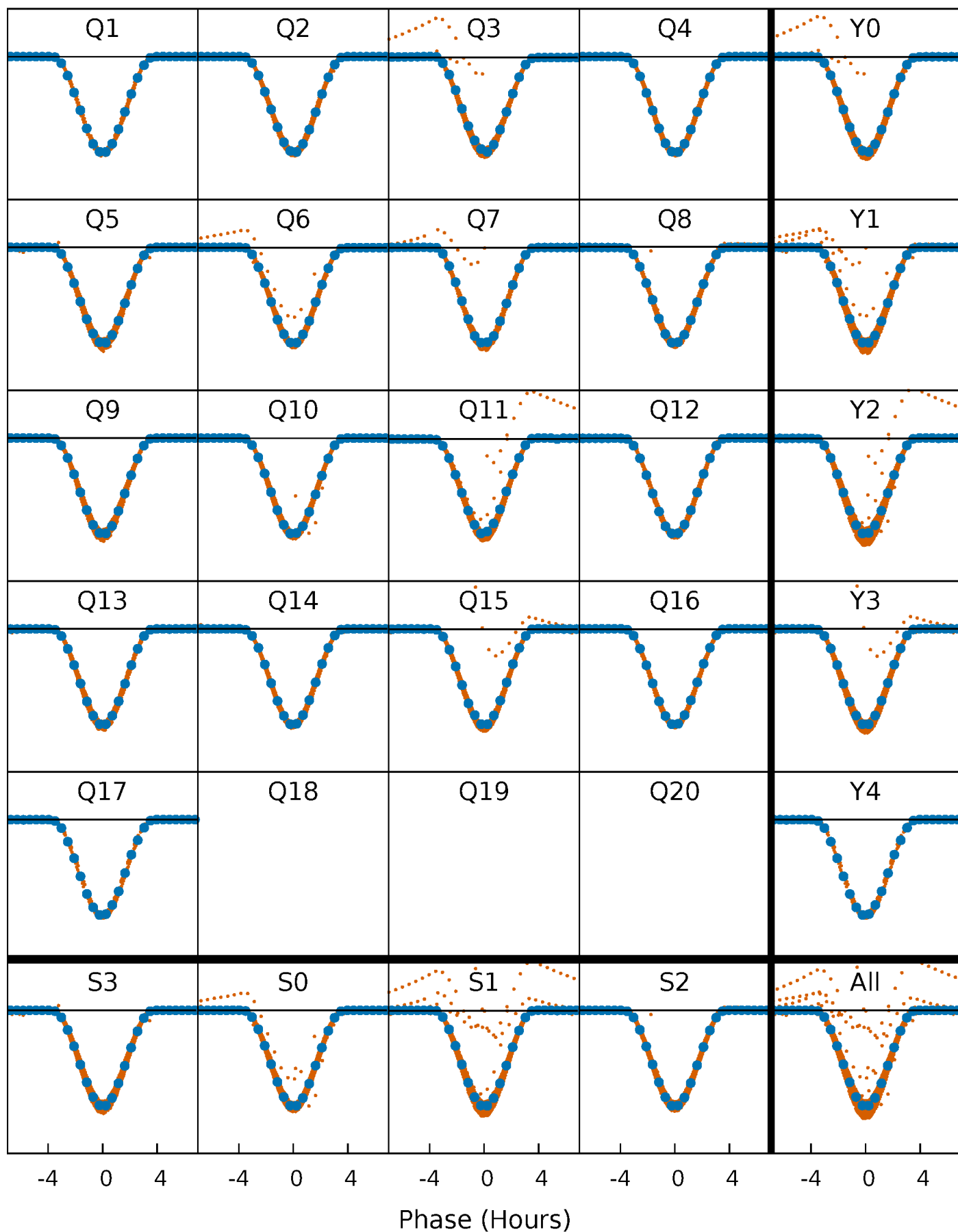
PDC Quarter-Phased Transit Curves

TCE 008095099-01 P= 2.103242 Days $T_0=132.866420$ (BKJD)



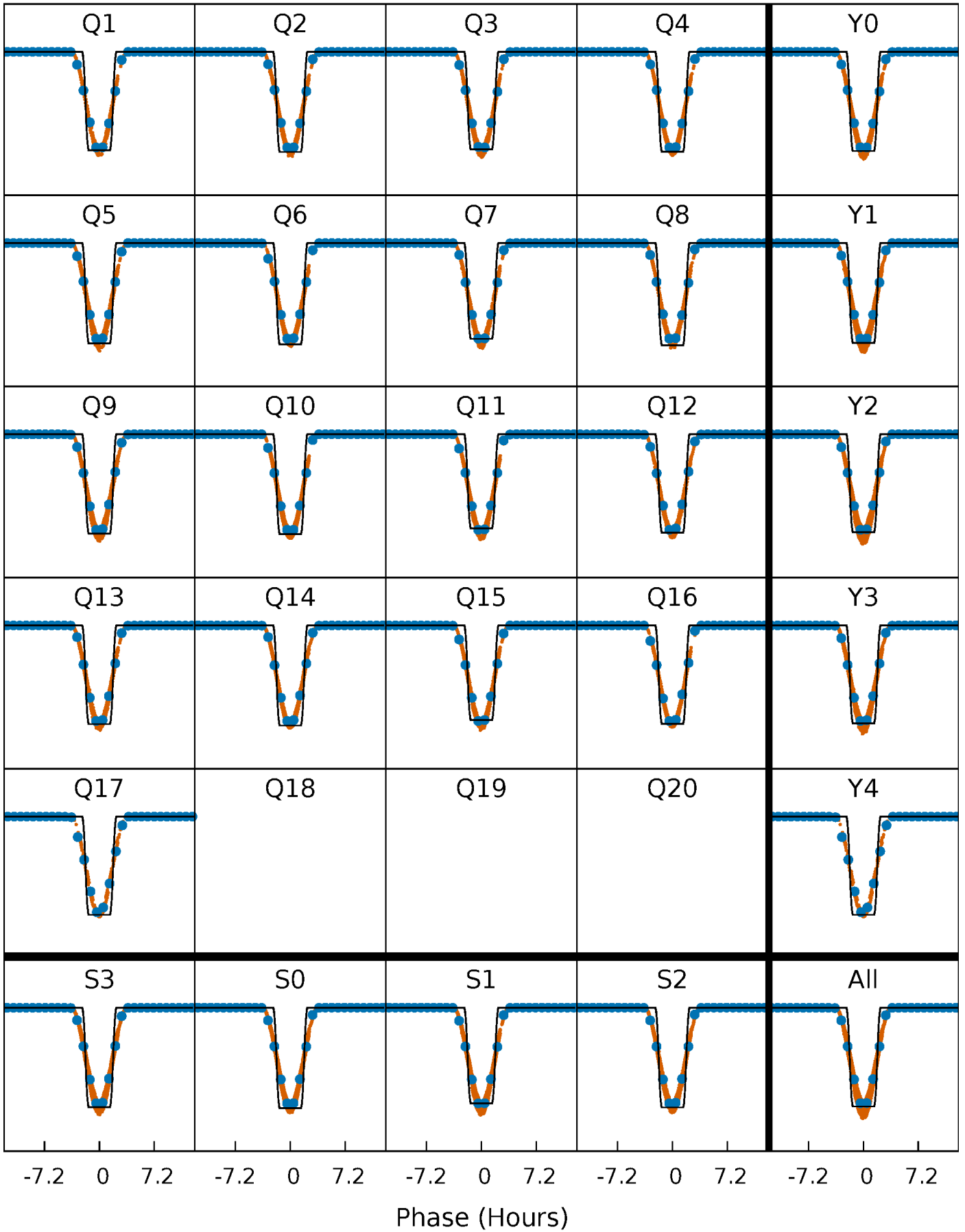
DV Quarter-Phased Transit Curves

TCE 008095099-01 P= 2.103242 Days $T_0=132.866420$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

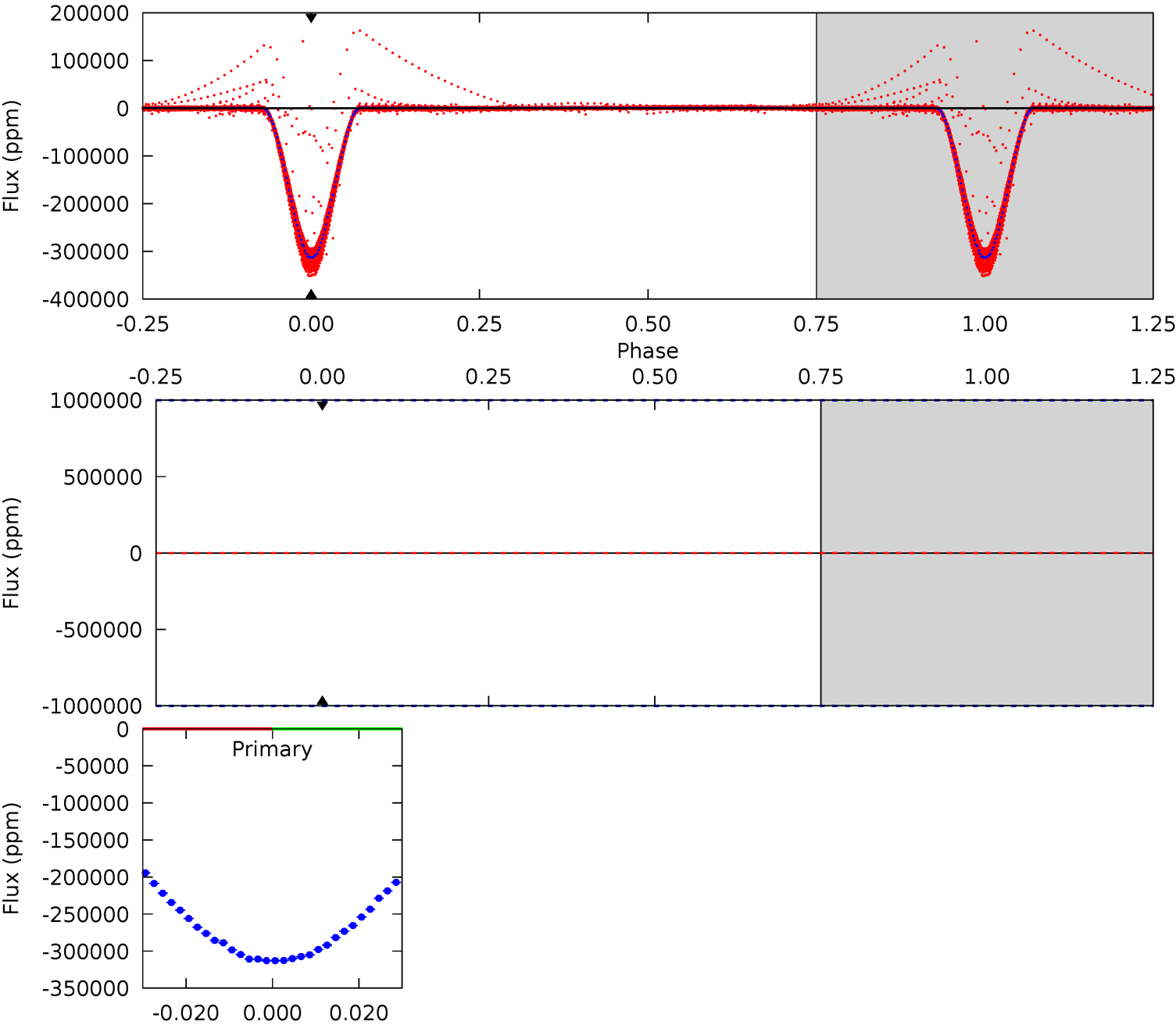
TCE 008095099-01 P= 2.103242 Days $T_0=132.867259$ (BKJD)



DV Model-Shift Uniqueness Test

008095099-01, P = 2.103242 Days, E = 130.763178 Days

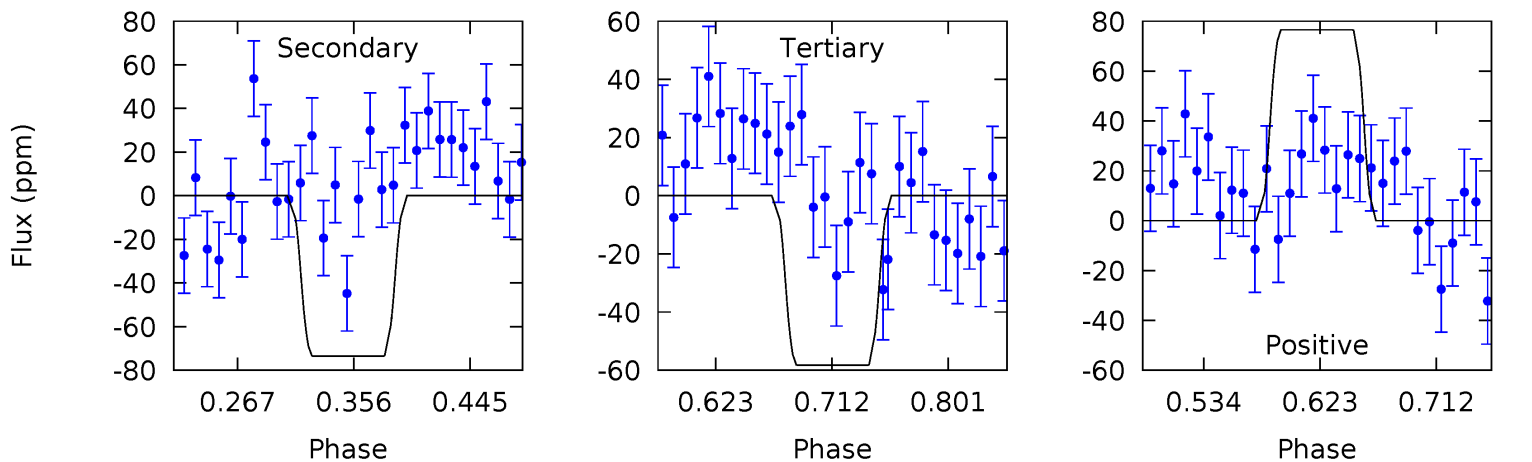
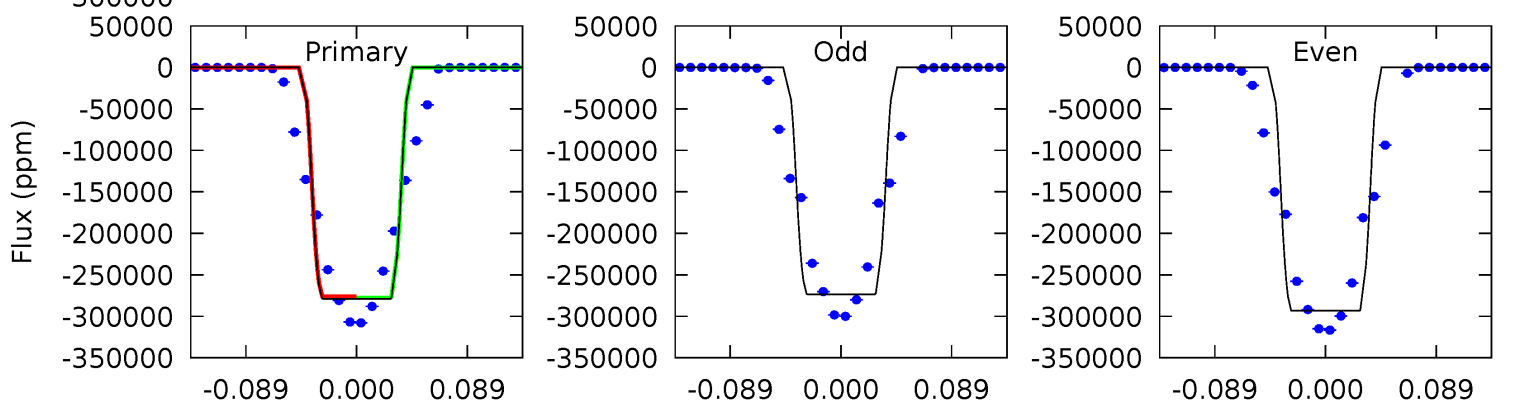
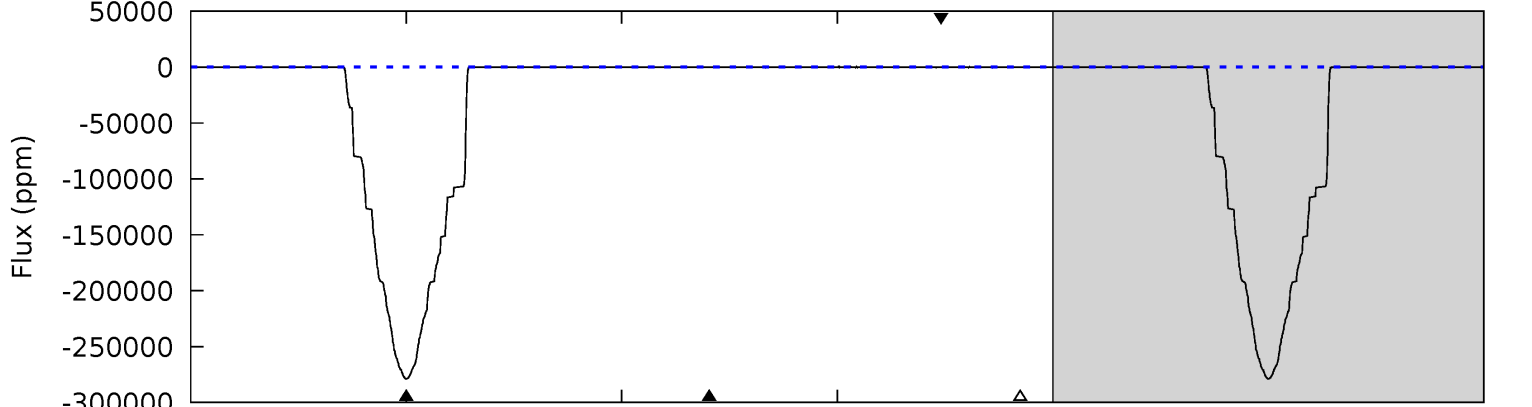
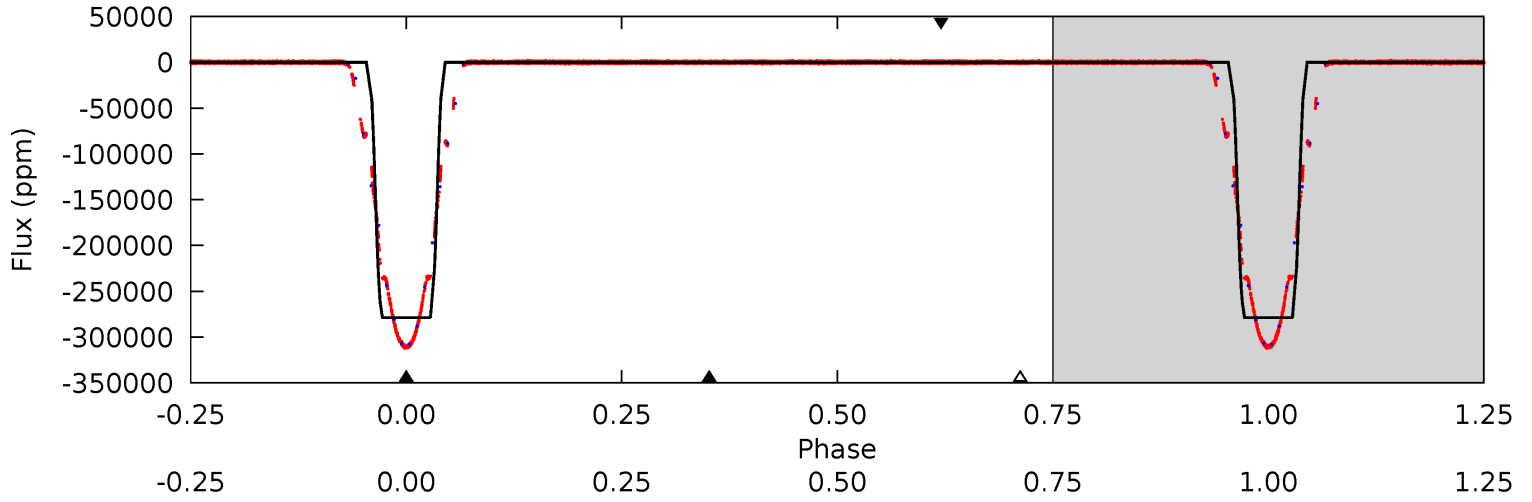
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

008095099-01, P = 2.103242 Days, E = 130.764017 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
13098	3.45	2.73	3.60	4.59	1.70	1.22	13095	13094	0.72	-0.15	724.3	1.00	0.00	0



Stellar Parameters For KIC 008095099

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6074^{+163}_{-200}	$4.466^{+0.067}_{-0.202}$	$-0.240^{+0.300}_{-0.300}$	$0.965^{+0.303}_{-0.101}$	$0.992^{+0.142}_{-0.116}$	$1.556^{+0.449}_{-0.830}$
	+3%/-3%	+2%/-5%	+125%/-125%	+31%/-10%	+14%/-12%	+29%/-53%
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 008095099-01 / KOI 6171.01

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 1000000	$38.78^{+13.25}_{-10.70}$	2089^{+147}_{-100}	-3049^{+8932}_{-2625}	$-0.845^{+41.953}_{-31.882}$
Alt.	-73 ± 21	$60.78^{+13.71}_{-12.65}$	2083^{+150}_{-107}	-2533^{+68}_{-93}	$0.011^{+0.008}_{-0.005}$

T_{max} = Theoretical Maximum Planetary Temperature
 T_{obs} = Observed Planetary Temperature (Assuming $A=0.3$)
 A_{obs} = Observed Albedo (Assuming $T=0$)

If a secondary eclipse is present, the system is likely an EB if $T_{\text{obs}} \gg T_{\text{max}}$ AND $A_{\text{obs}} \gg 1.0$

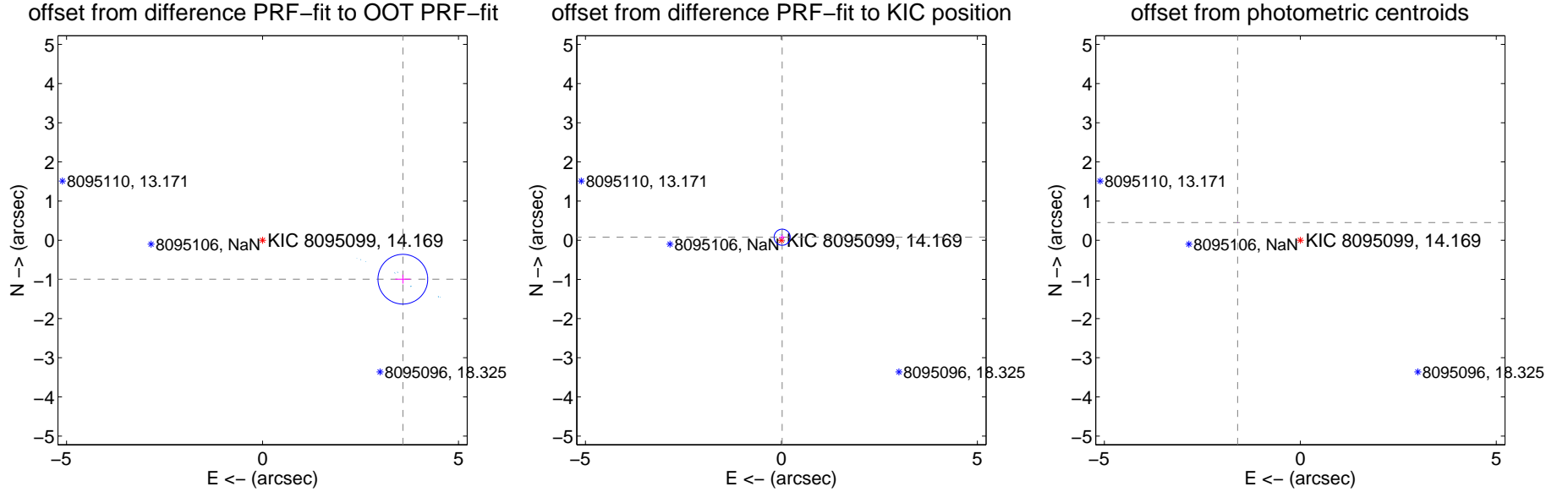
DV Centroid Data

Supplemental centroid analysis for 008095099-01. Kepler magnitude: 14.17. Transit SNR -1.00

There are 17 quarters with good PRF difference image offsets

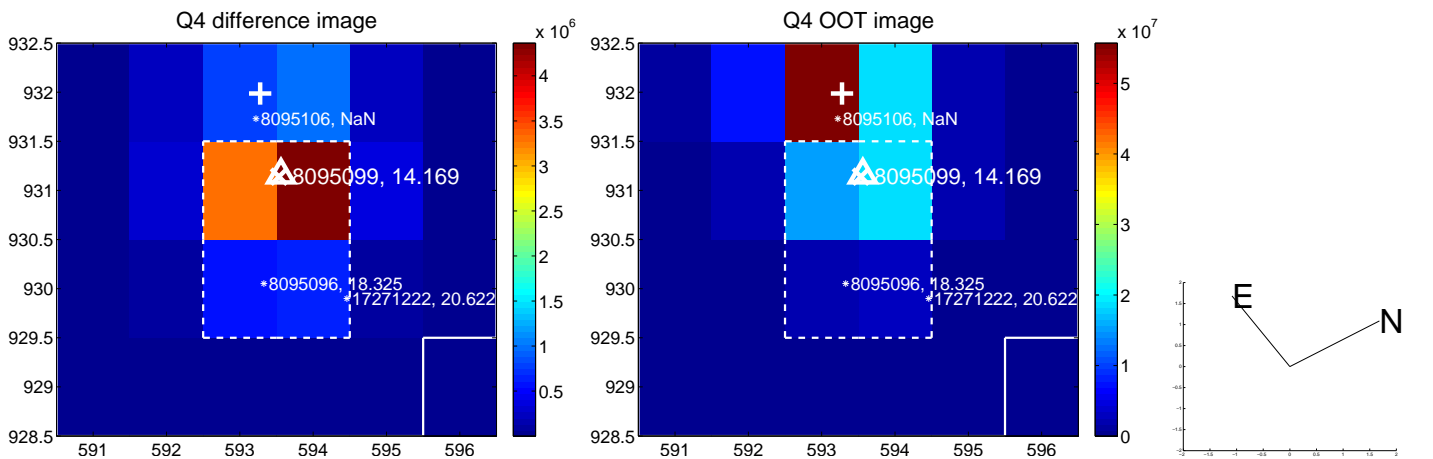
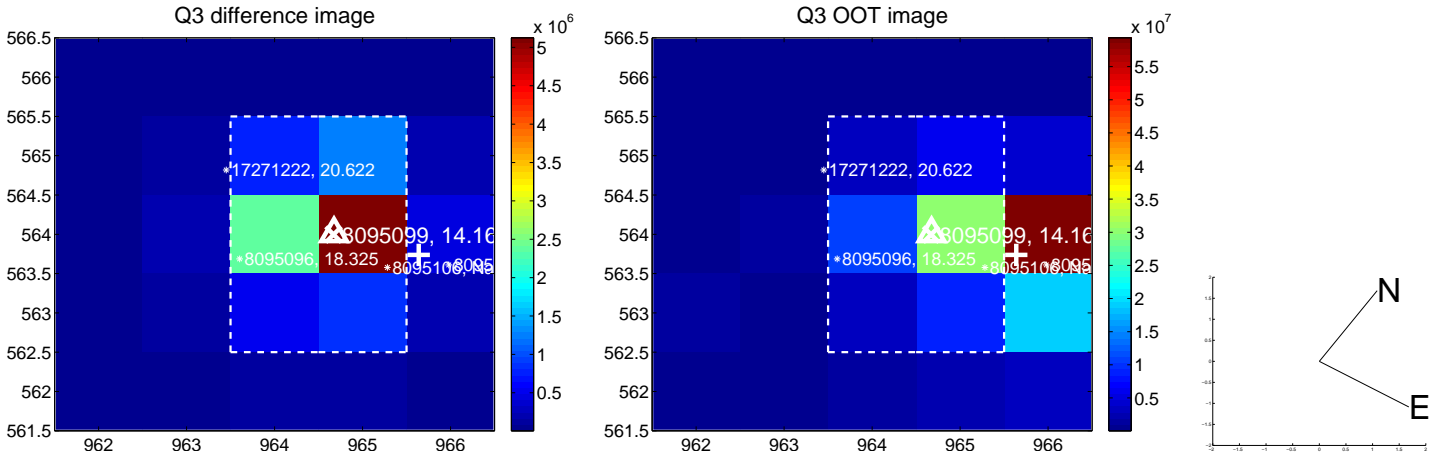
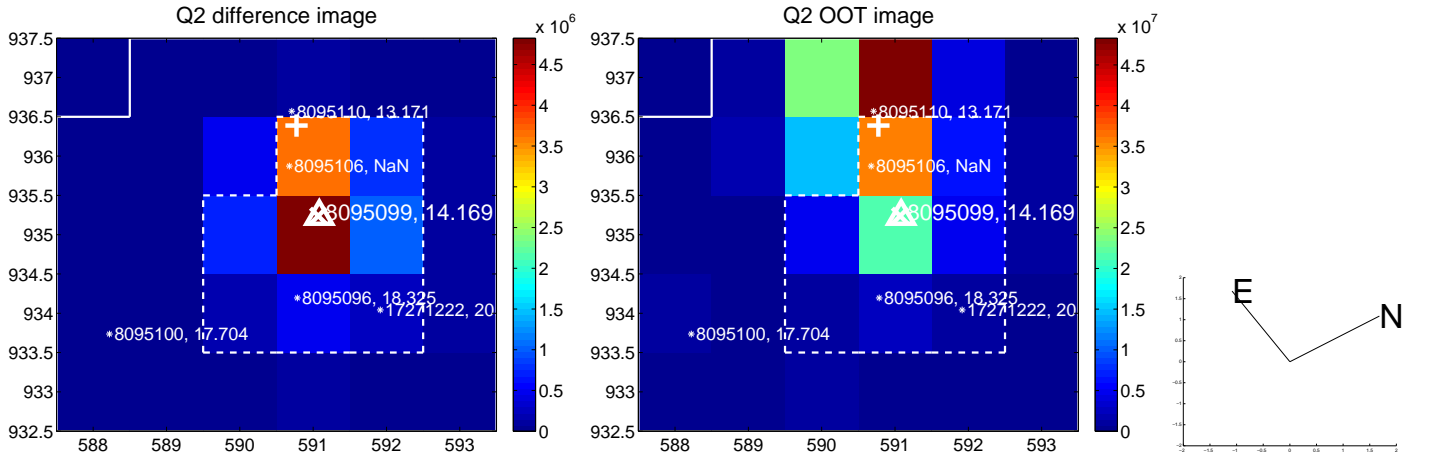
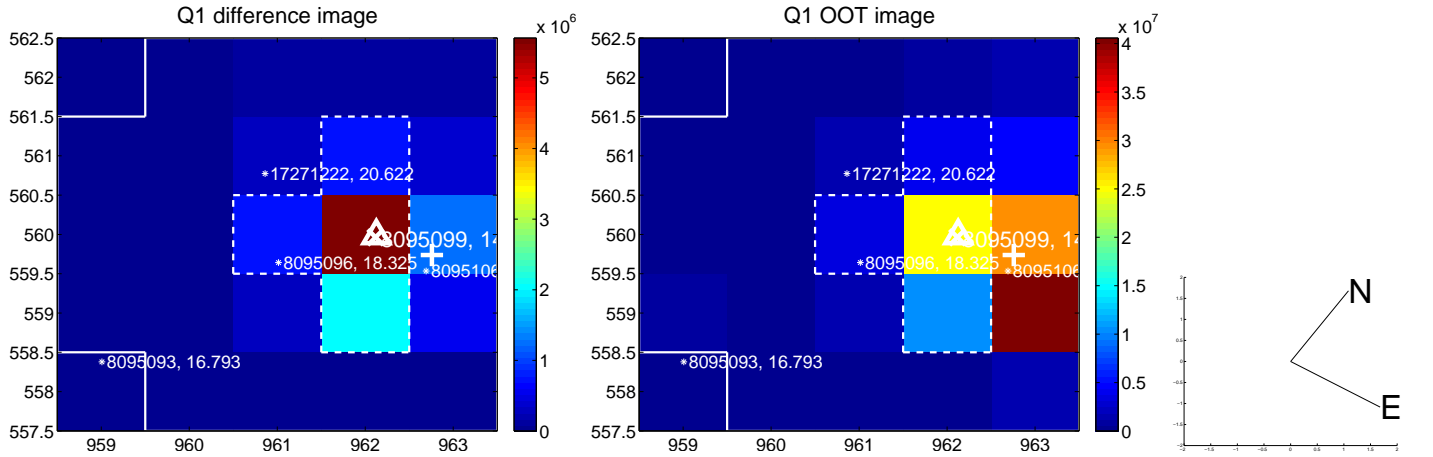
The OOT PRF centroid is offset from the target star catalog position by about 2.55 arcsec so the offset from difference PRF-fit to OOT-fit may be invalid.

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	3.717 ± 0.212	17.56	-3.581 ± 0.195	-0.995 ± 0.113
PRF-fit source offset from KIC position	0.079 ± 0.069	1.16	-0.019 ± 0.068	0.077 ± 0.069
photometric centroid source offset	1.66 ± 0.00	5568.48	1.60 ± 0.00	0.45 ± 0.00

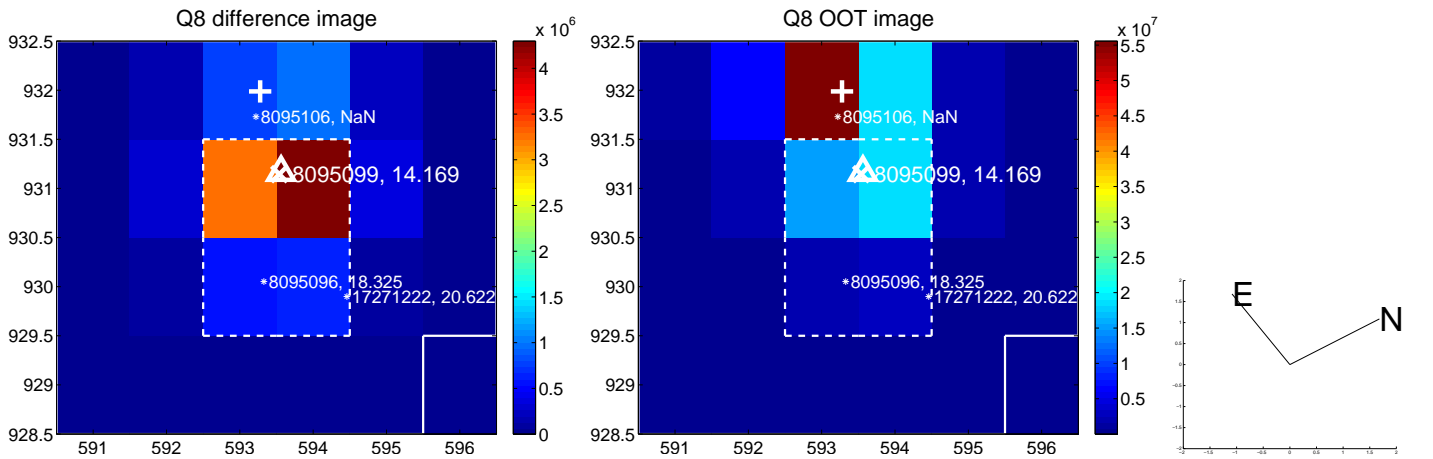
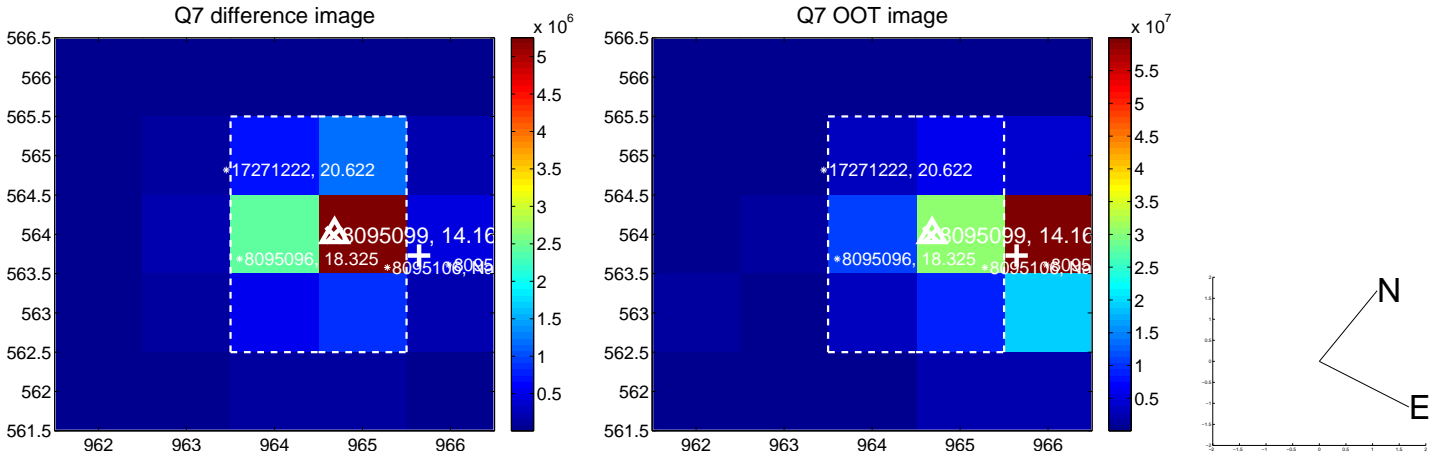
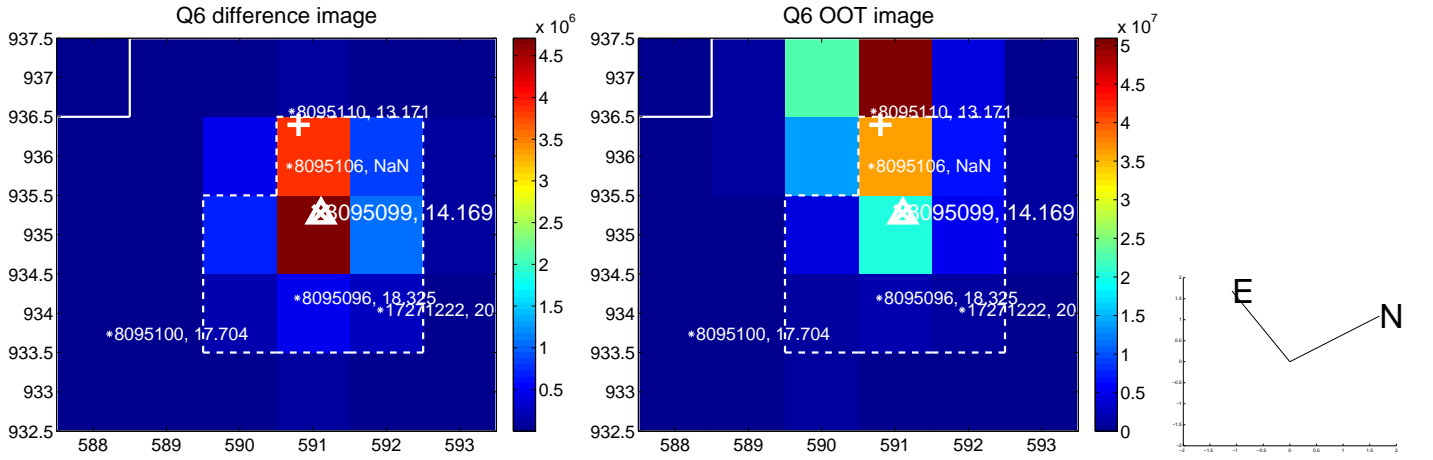
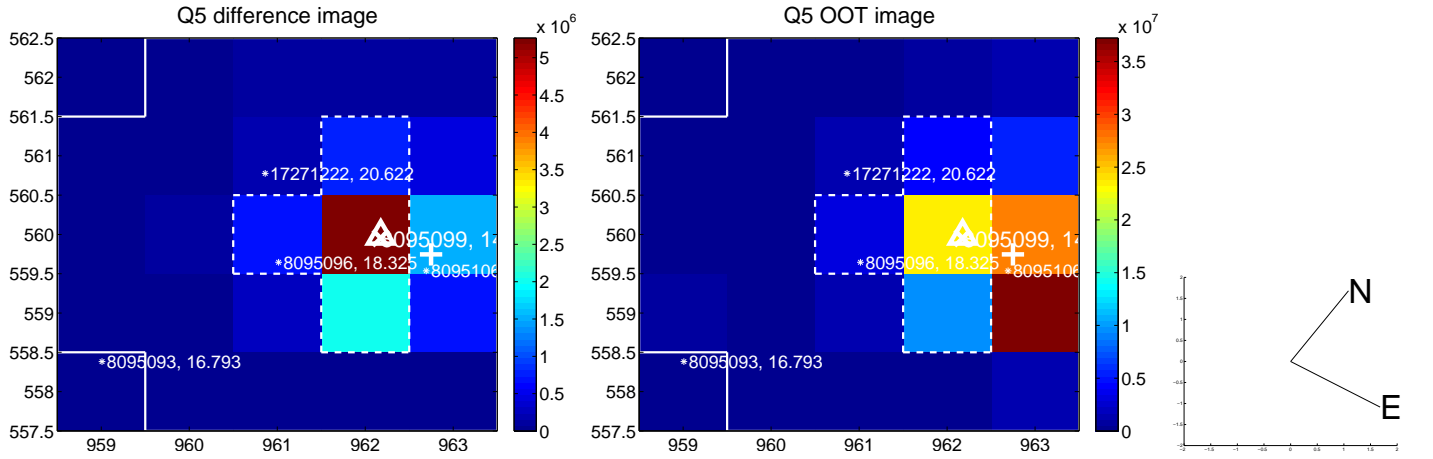


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

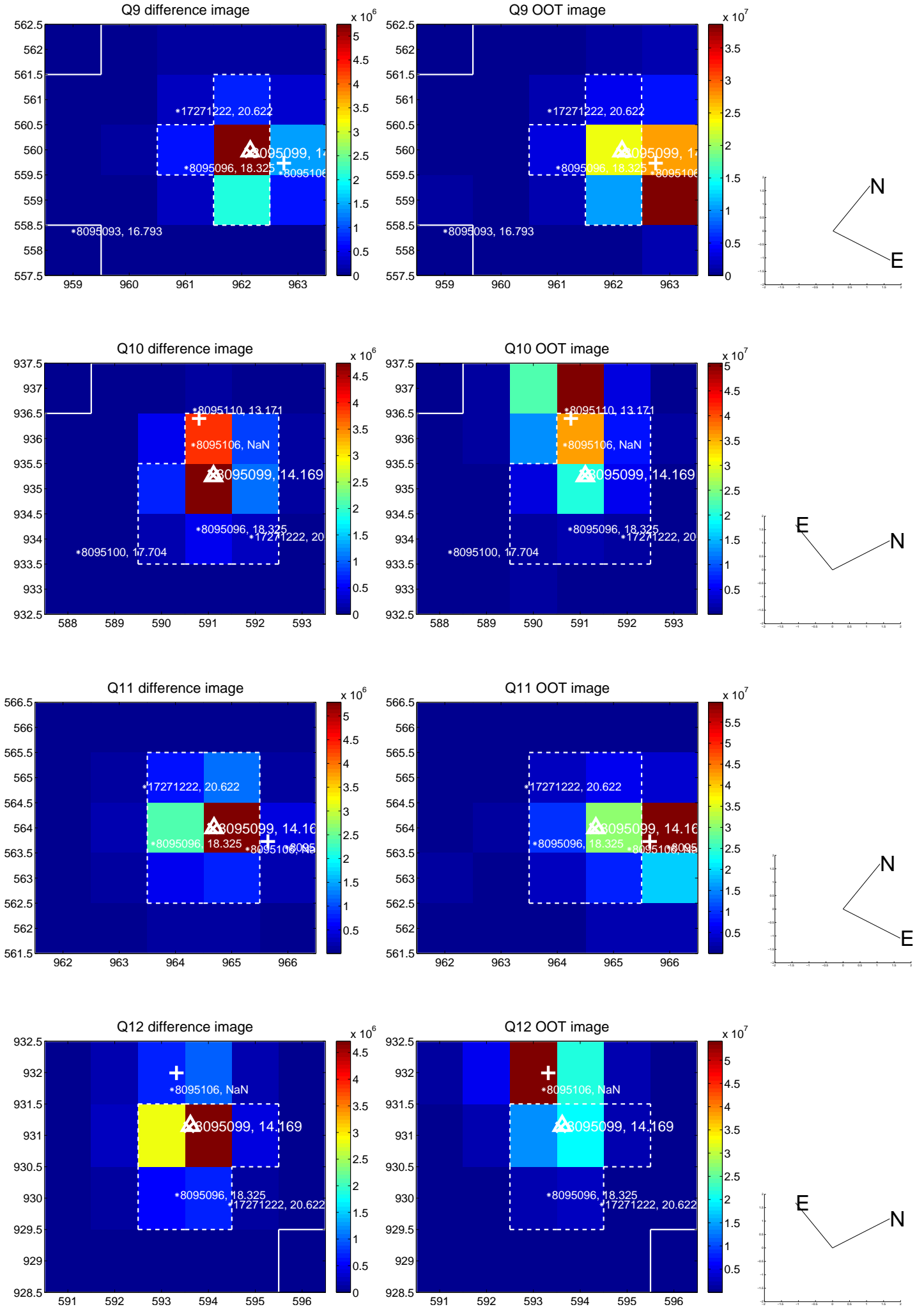
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



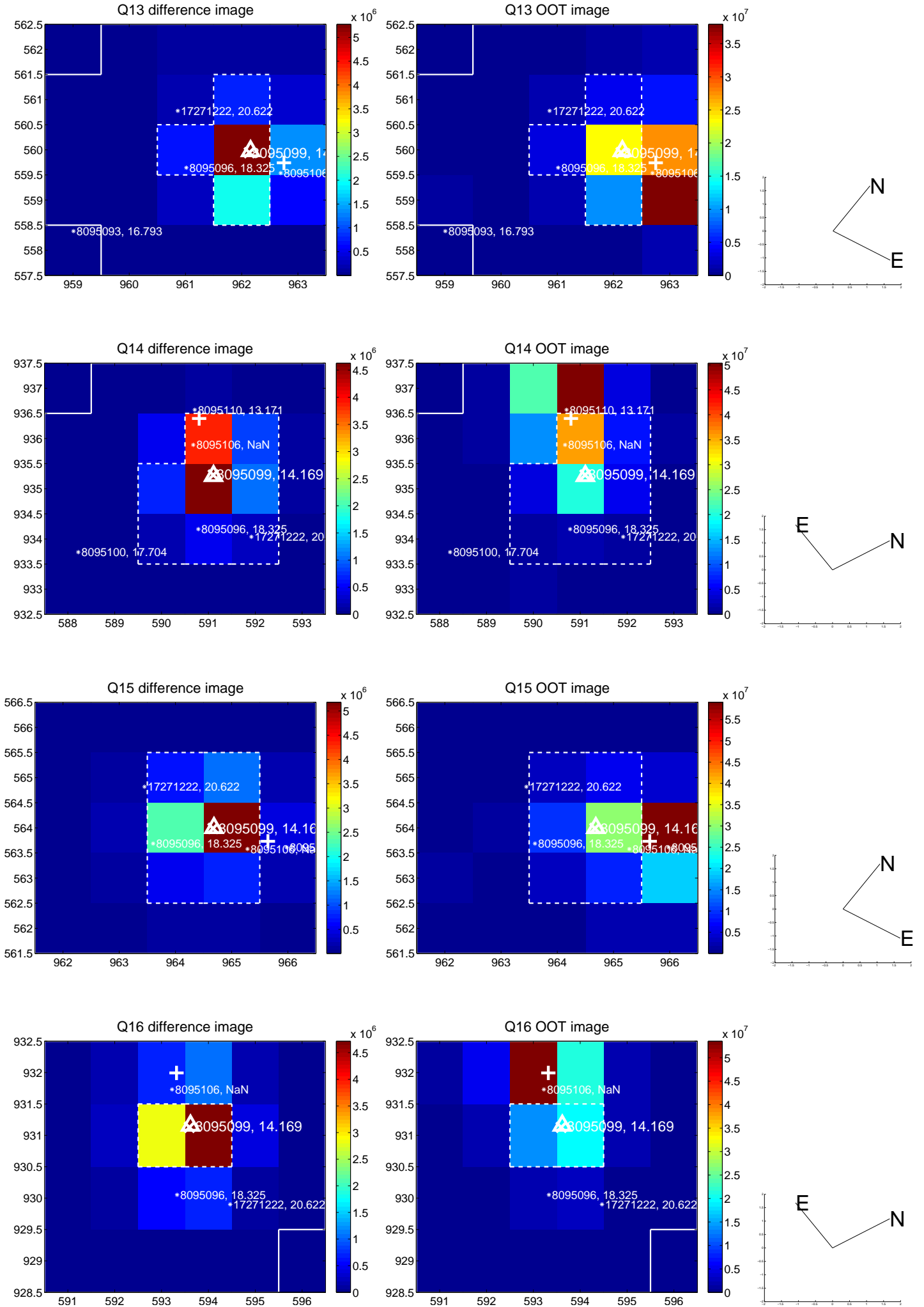
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



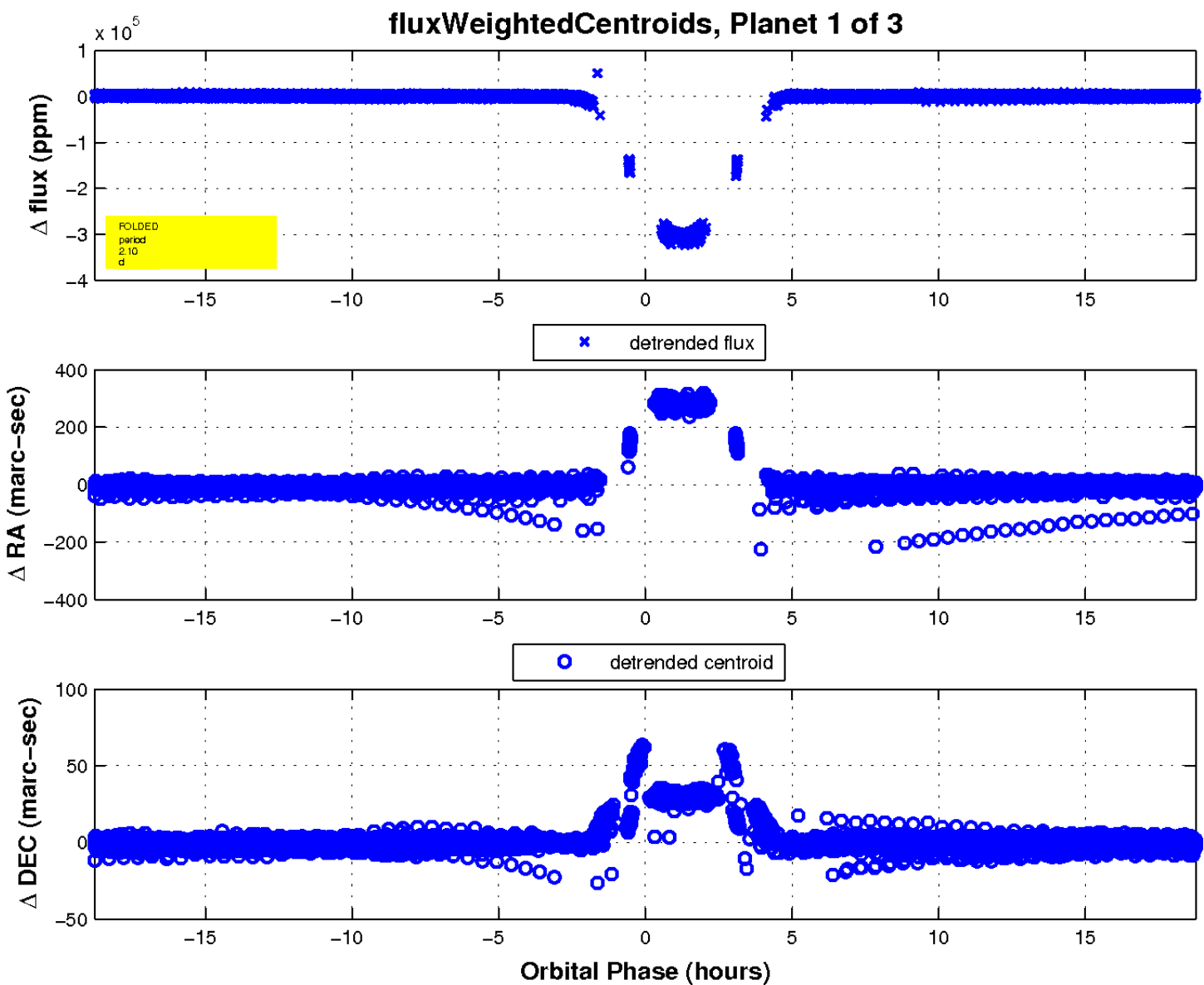
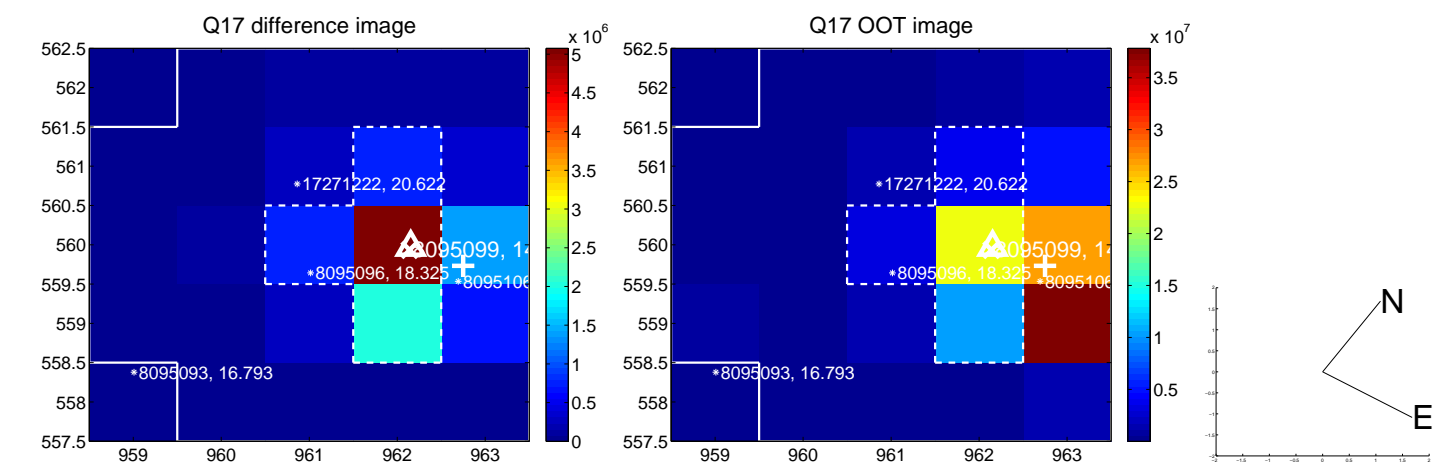
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

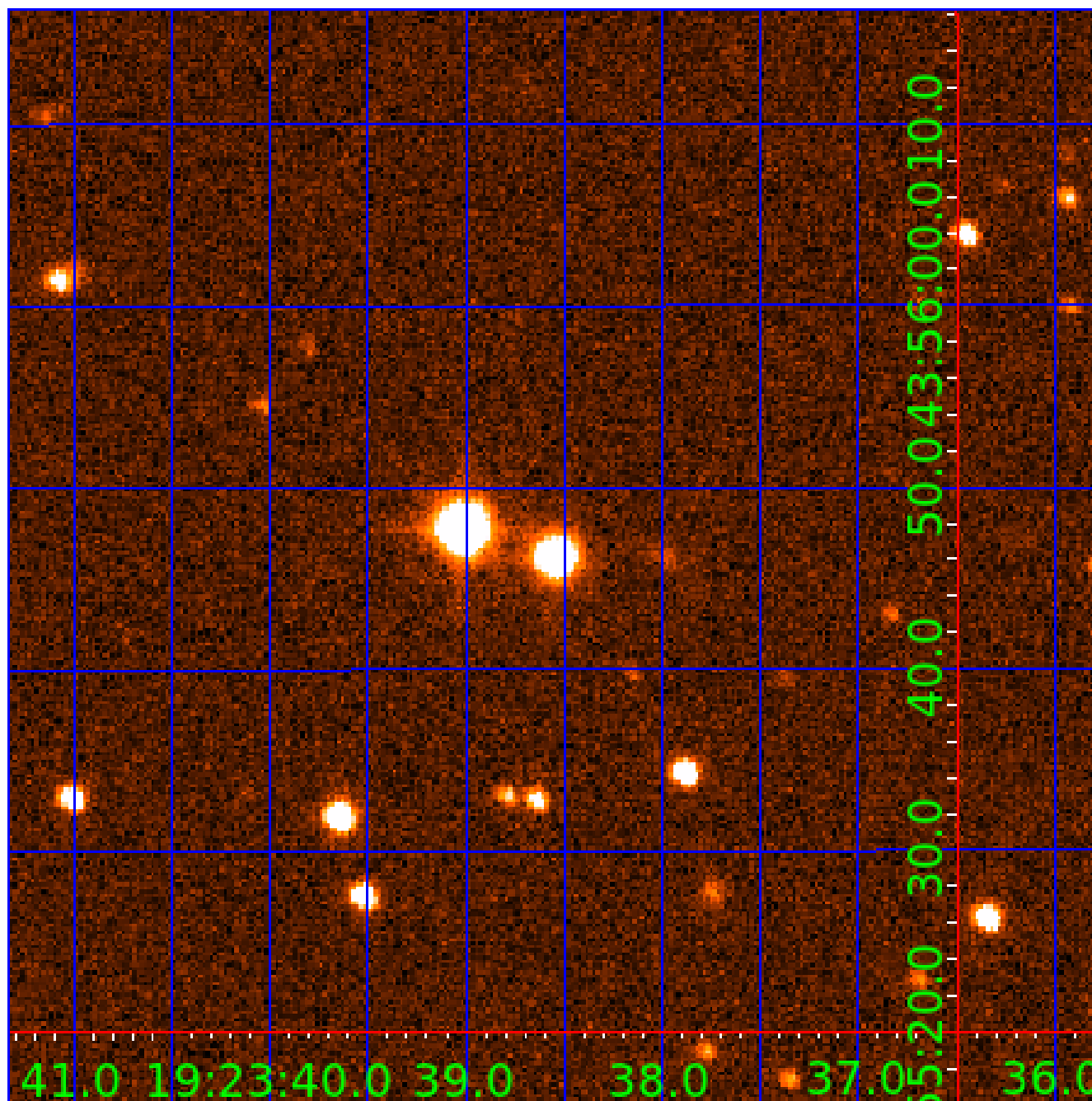


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 008095099

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})
008095099-01	OBS	6171.01	2.103242	132.866420	315889.4	3.500	16876.3	-1.0	0.96	6074	37.89	1104.82
008095099-02	OBS	No	7.361447	131.565483	19658.5	15.000	1252.0	-1.0	0.96	6074	13.53	207.90
008095099-03	OBS	No	7.361447	134.725874	19120.2	15.000	1236.7	-1.0	0.96	6074	13.35	207.90

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008095099-01	OBS	FP	0.00	0	1	0	0	DEPTH_ODDEVEN_ALT—MOD_ODDEVEN_ALT—CENT_NOFITS
008095099-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_NOFITS
008095099-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_NOFITS

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 008095099-02

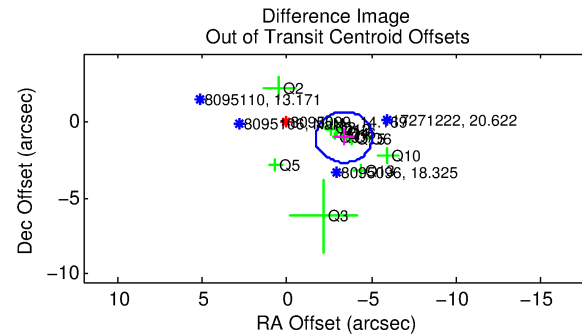
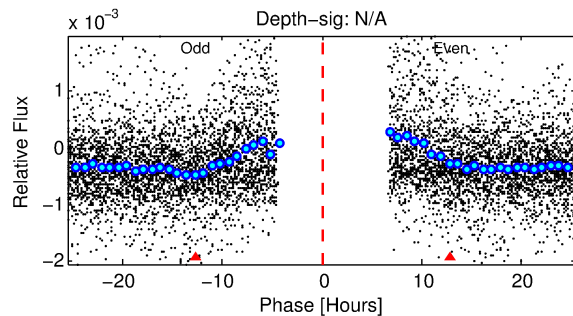
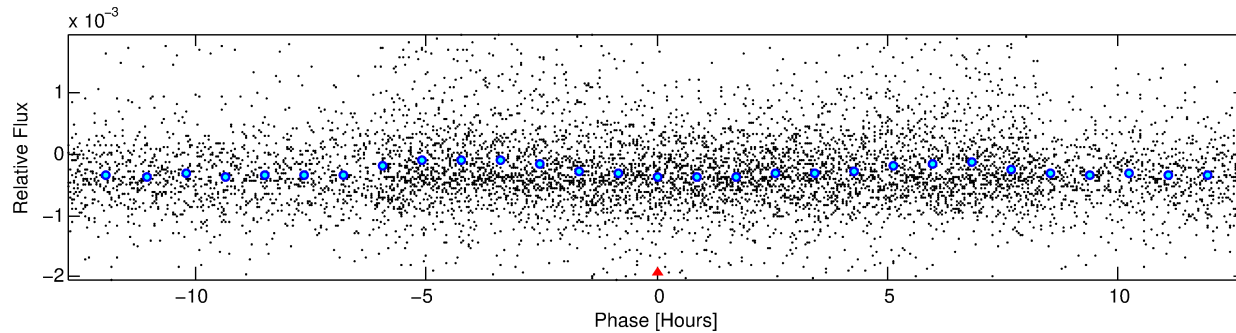
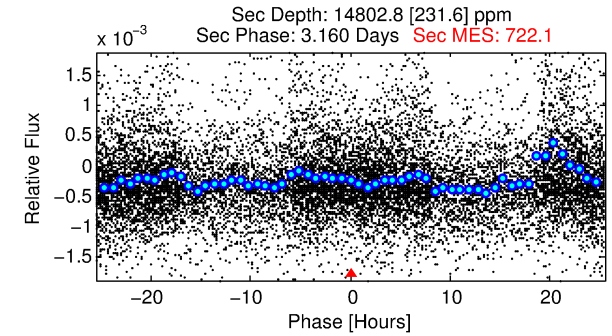
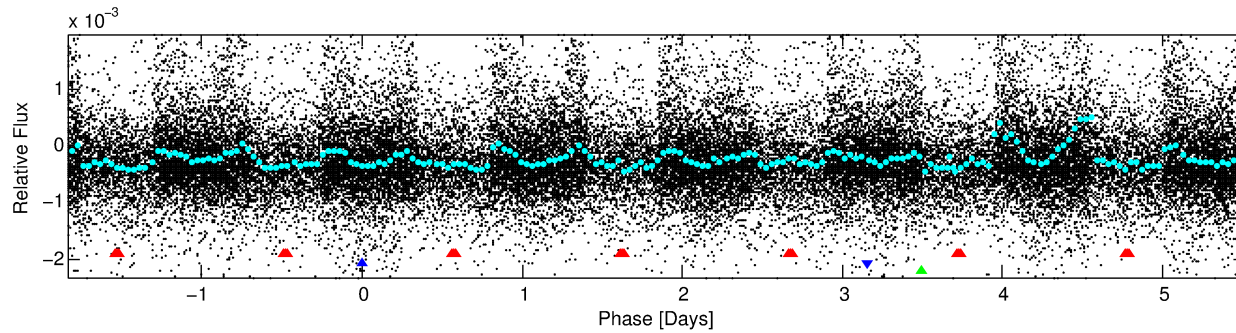
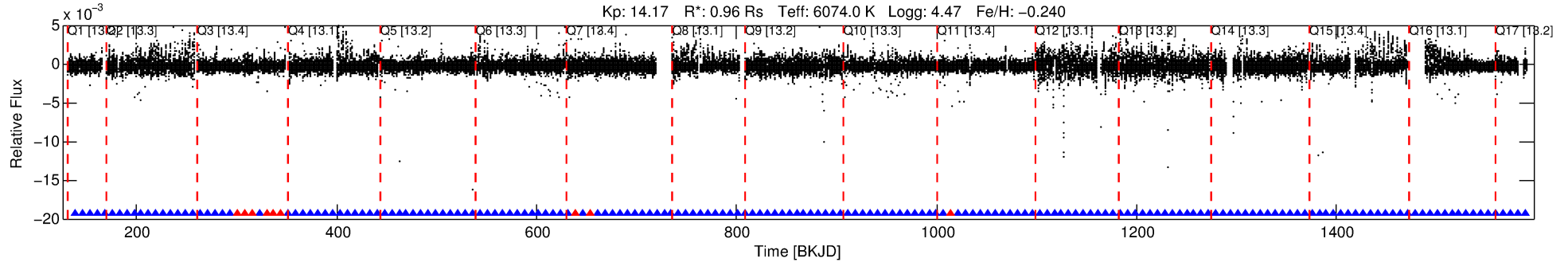
No Significant Match Found

DV One-Page Summary

KIC: 8095099 Candidate: 2 of 3 Period: 7.361 d

KOI: K06171 Corr: No Ephemeris Match

Kp: 14.17 R*: 0.96 Rs Teff: 6074.0 K Logg: 4.47 Fe/H: -0.240



TPS TCE Results:

Period = 7.36145 d
Epoch = 131.5655 BKJD

DV fit results are unavailable

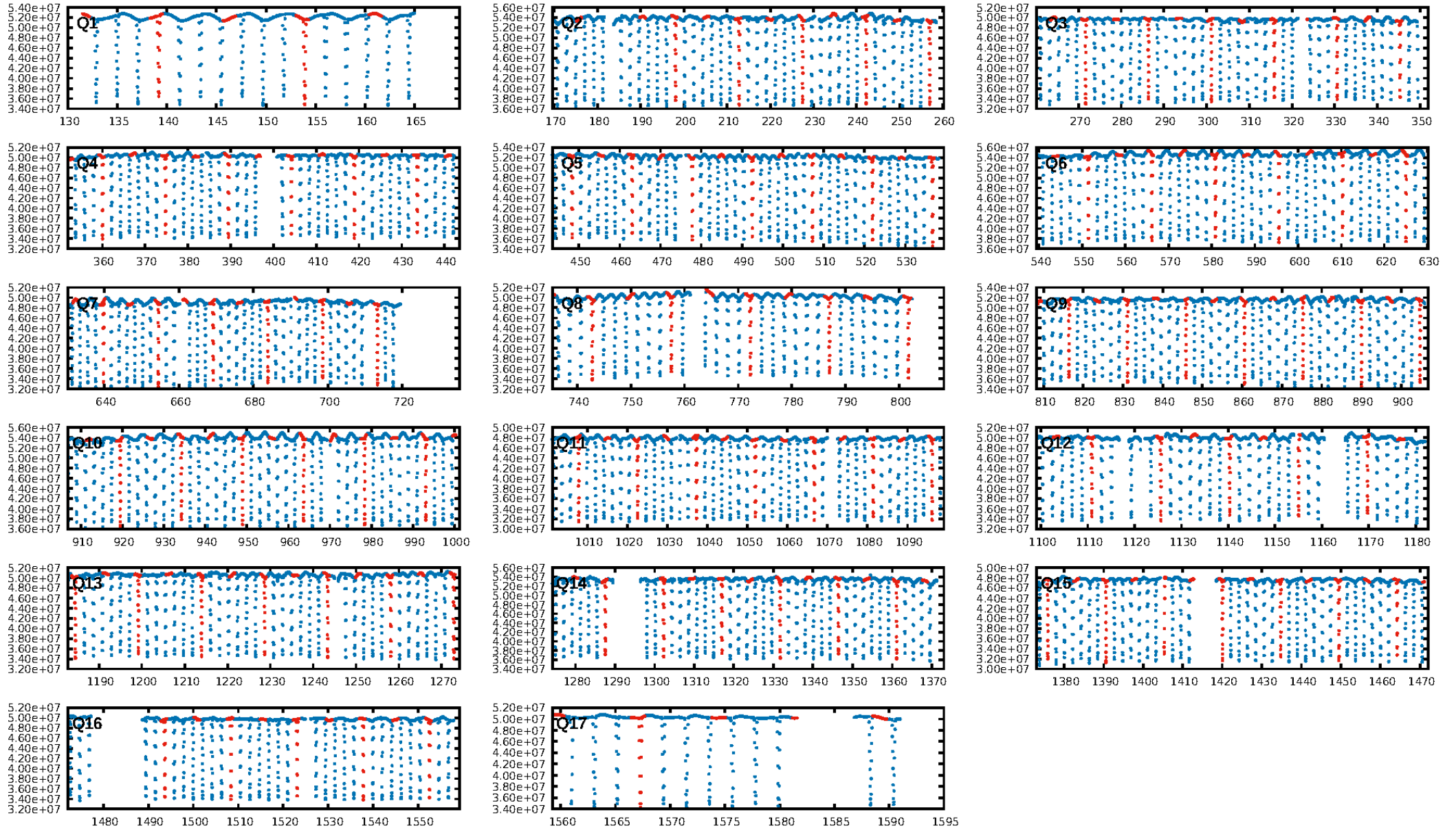
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [8.19 σ]
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.95 [163/172]
GhostDiagnostic-chr: -1.23
Centroid-sig: N/A
Centroid-so: 5.397 arcsec [2.34 σ]
OotOffset-rm: 3.505 arcsec [6.30 σ]
KicOffset-rm: 0.169 arcsec [0.39 σ]
OotOffset-st: 3/3/4/3 [13]
KicOffset-st: 3/3/4/3 [13]
DiffImageQuality-fgm: 0.31 [4/13]
DiffImageOverlap-fno: 1.00 [17/17]

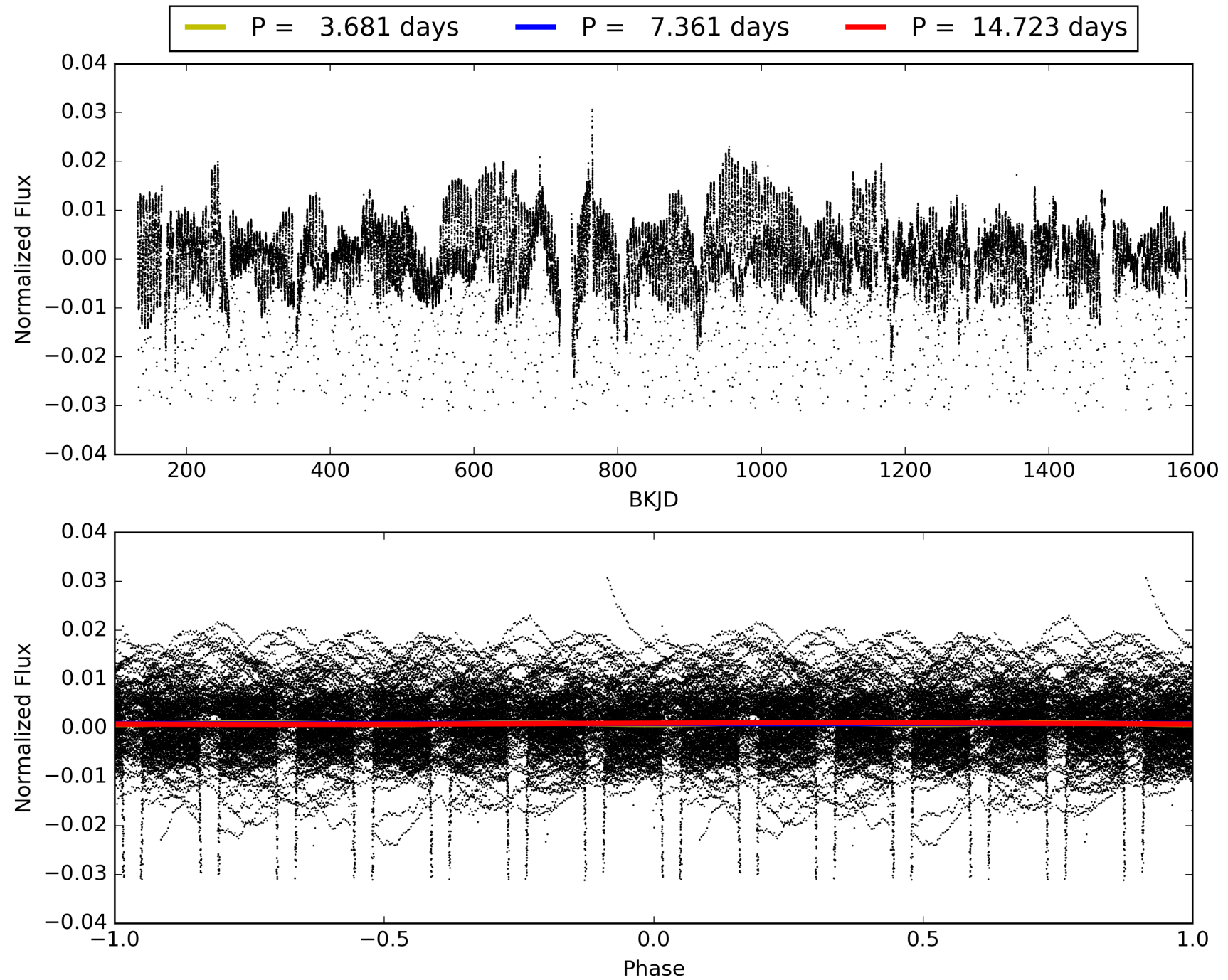
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 23:12:20 Z

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TCE 008095099-02, PDC Light Curves

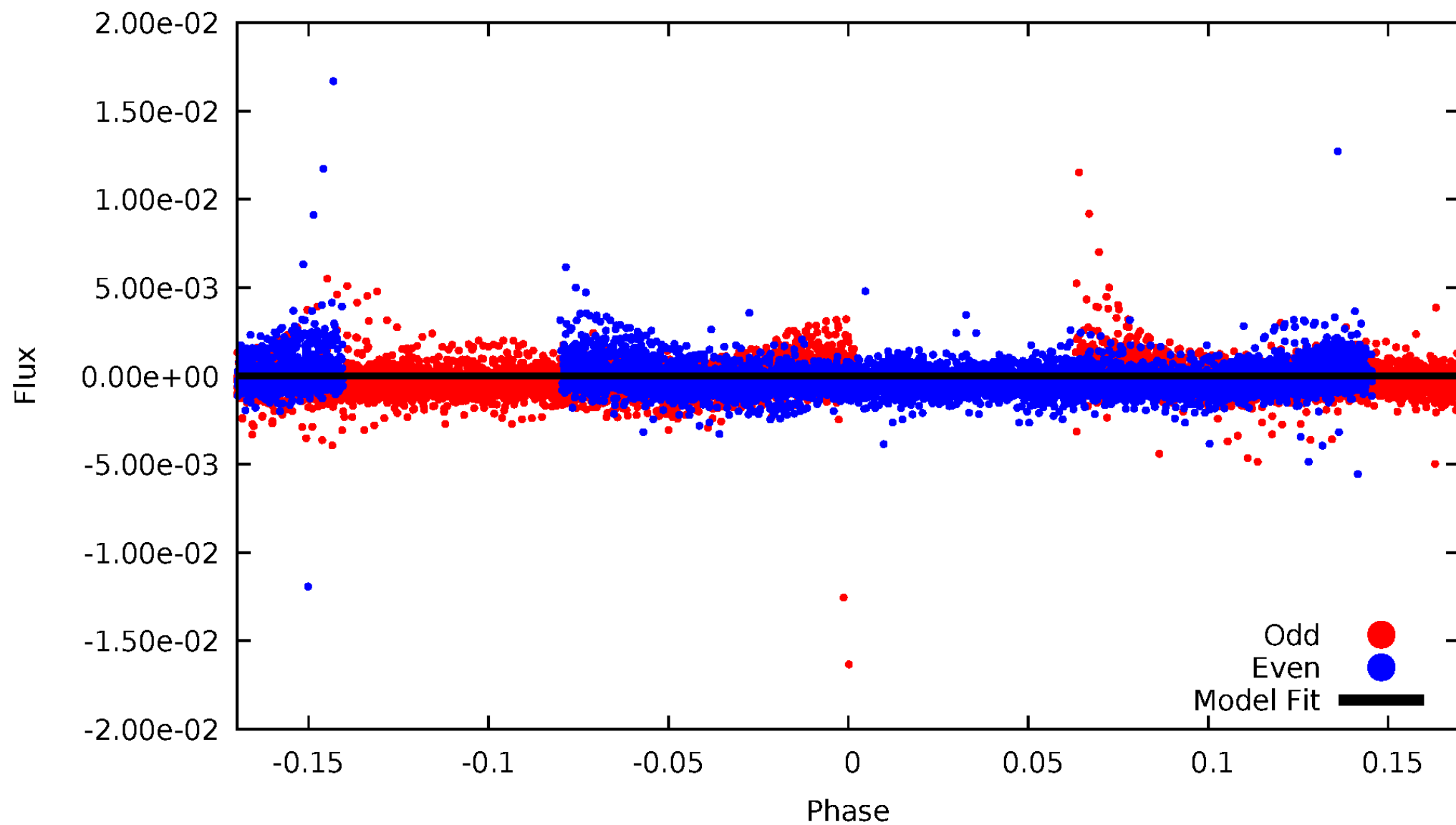


TCE 008095099-02



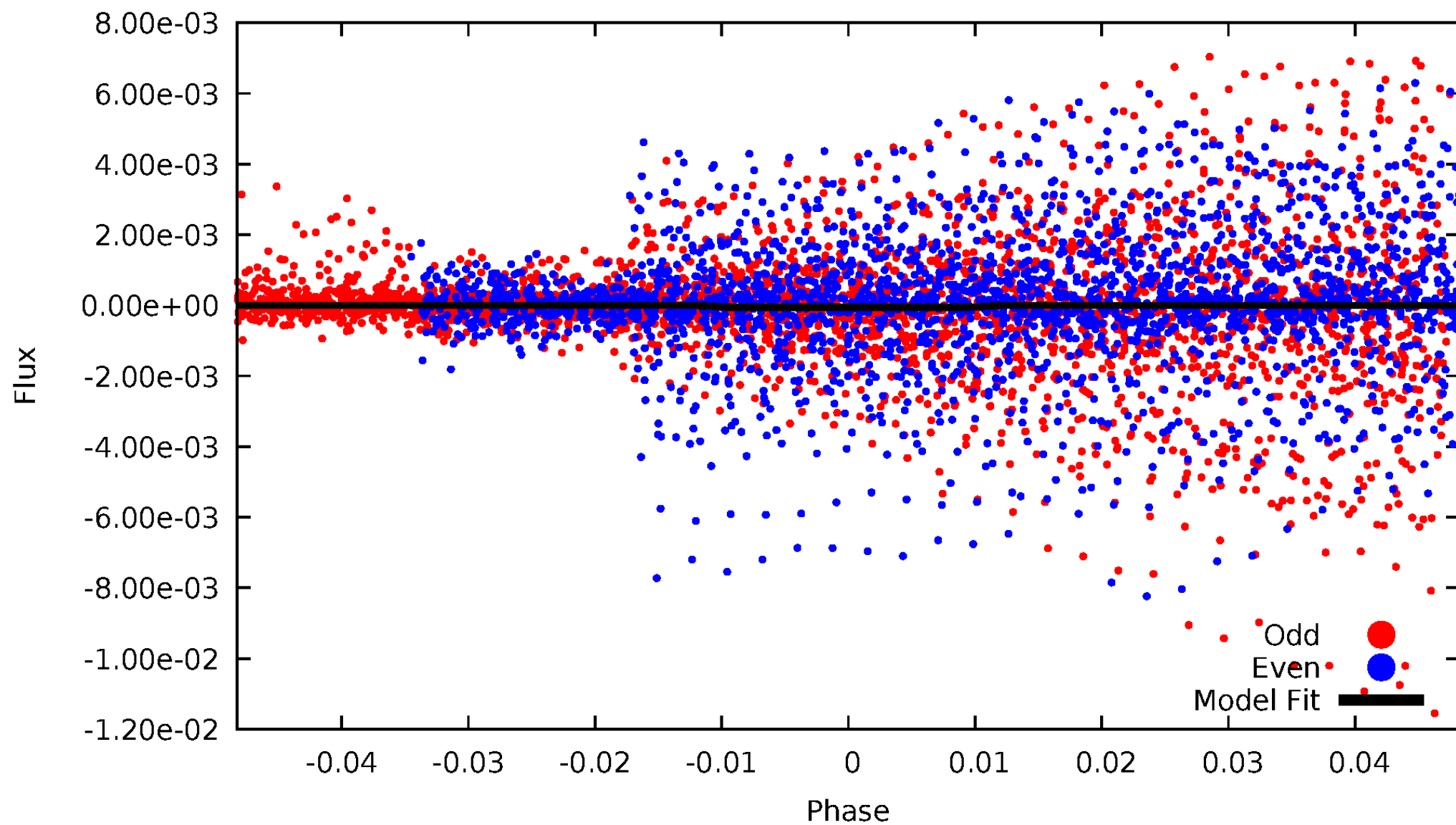
DV Odd/Even

TCE 008095099-02



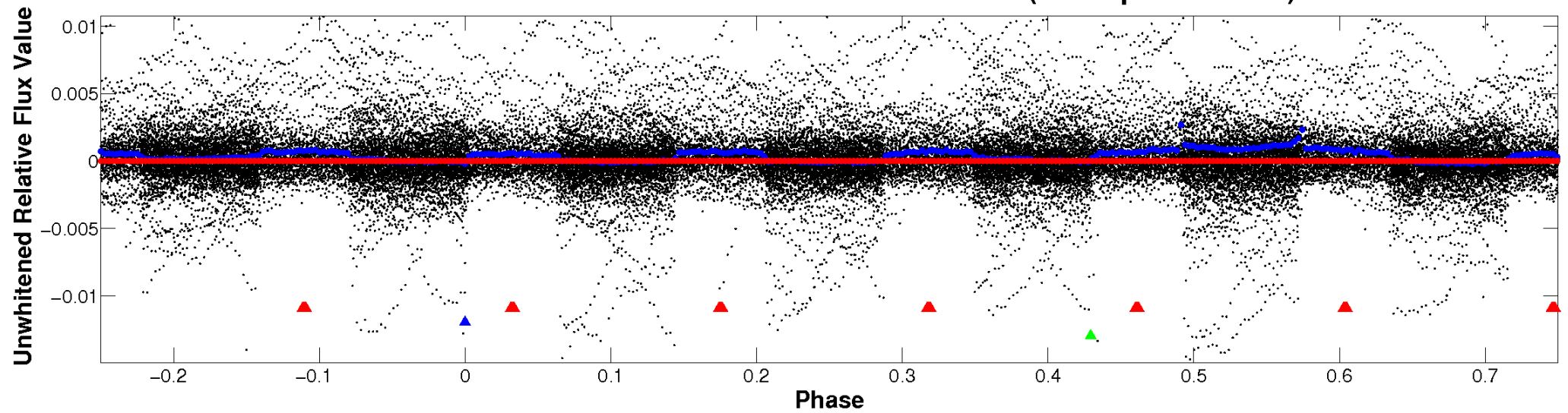
ALT Odd/Even

TCE 008095099-02



Non-Whitened Vs. Whitened Light Curve

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

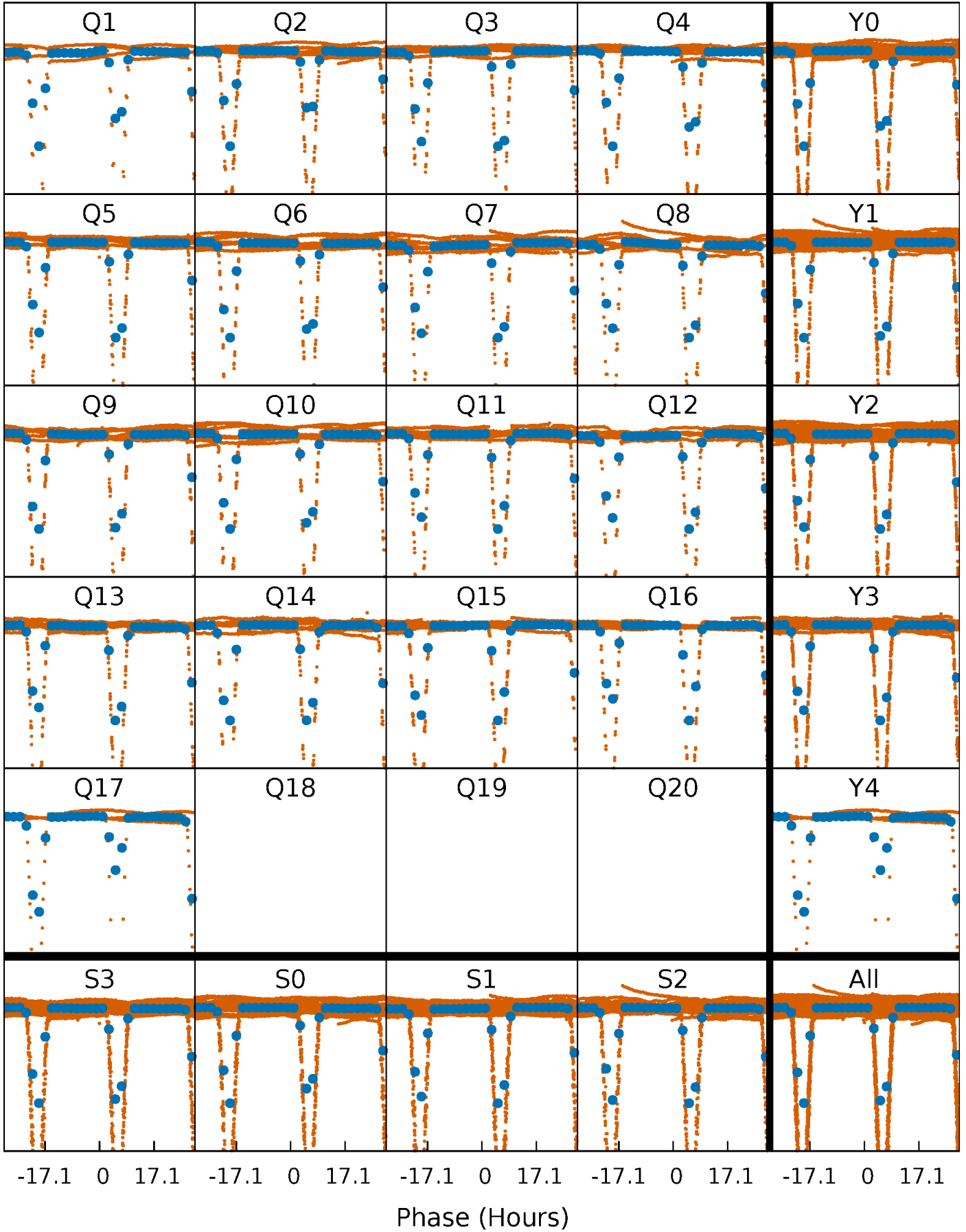


Planet 2 : Phased Whitened Flux Time Series (TPS Epoch/Period)



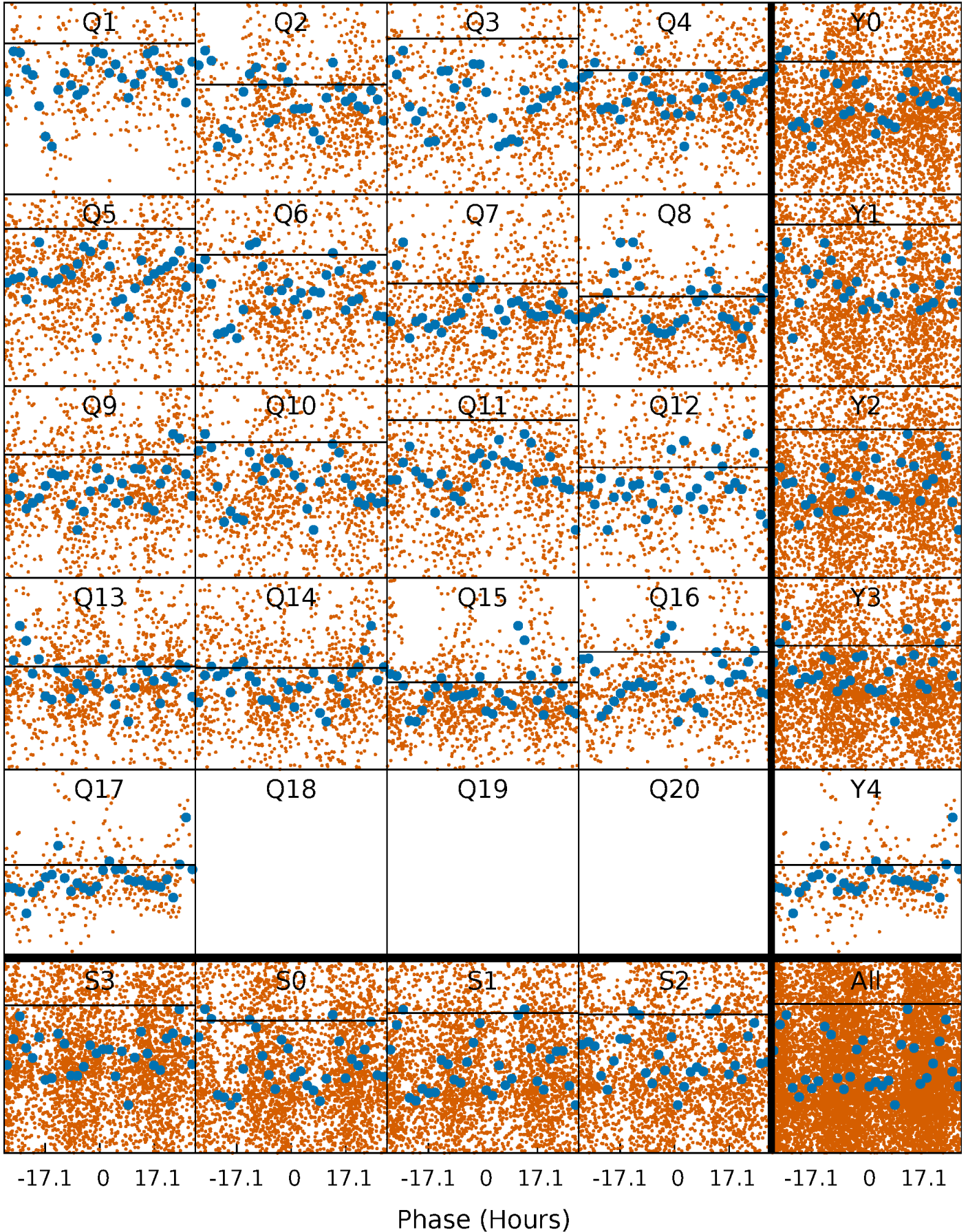
PDC Quarter-Phased Transit Curves

TCE 008095099-02 $P = 7.361447$ Days $T_0 = 131.565483$ (BKJD)



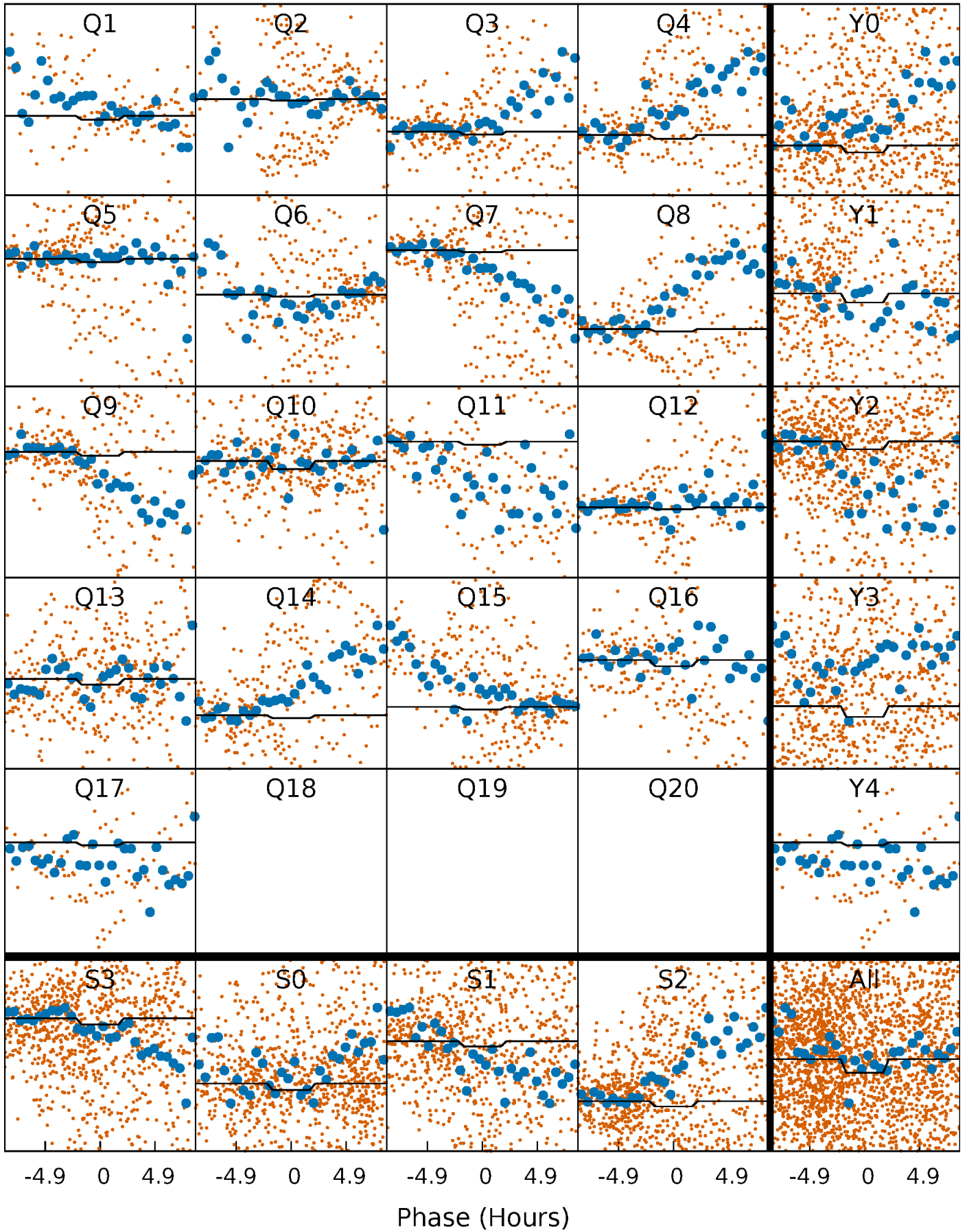
DV Quarter-Phased Transit Curves

TCE 008095099-02 P= 7.361447 Days $T_0=131.565483$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

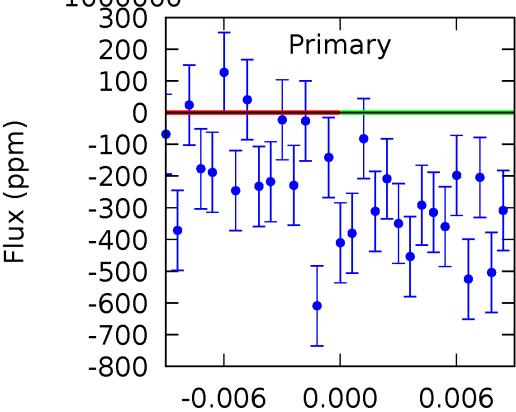
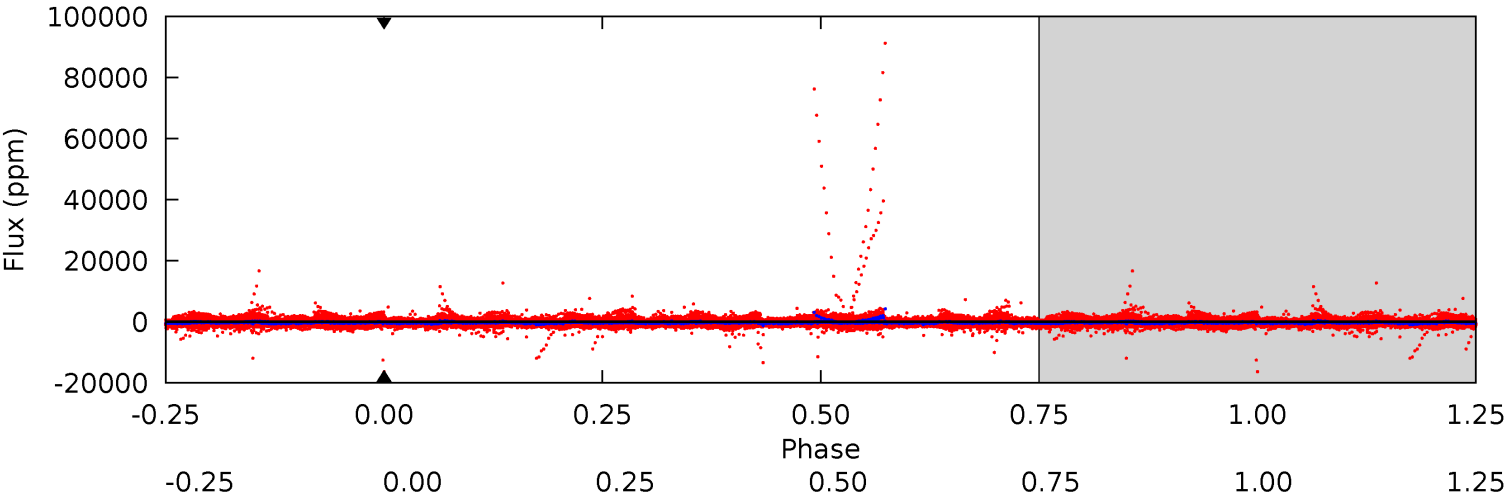
TCE 008095099-02 P= 7.361447 Days $T_0=138.593718$ (BKJD)



DV Model-Shift Uniqueness Test

008095099-02, P = 7.361447 Days, E = 124.204036 Days

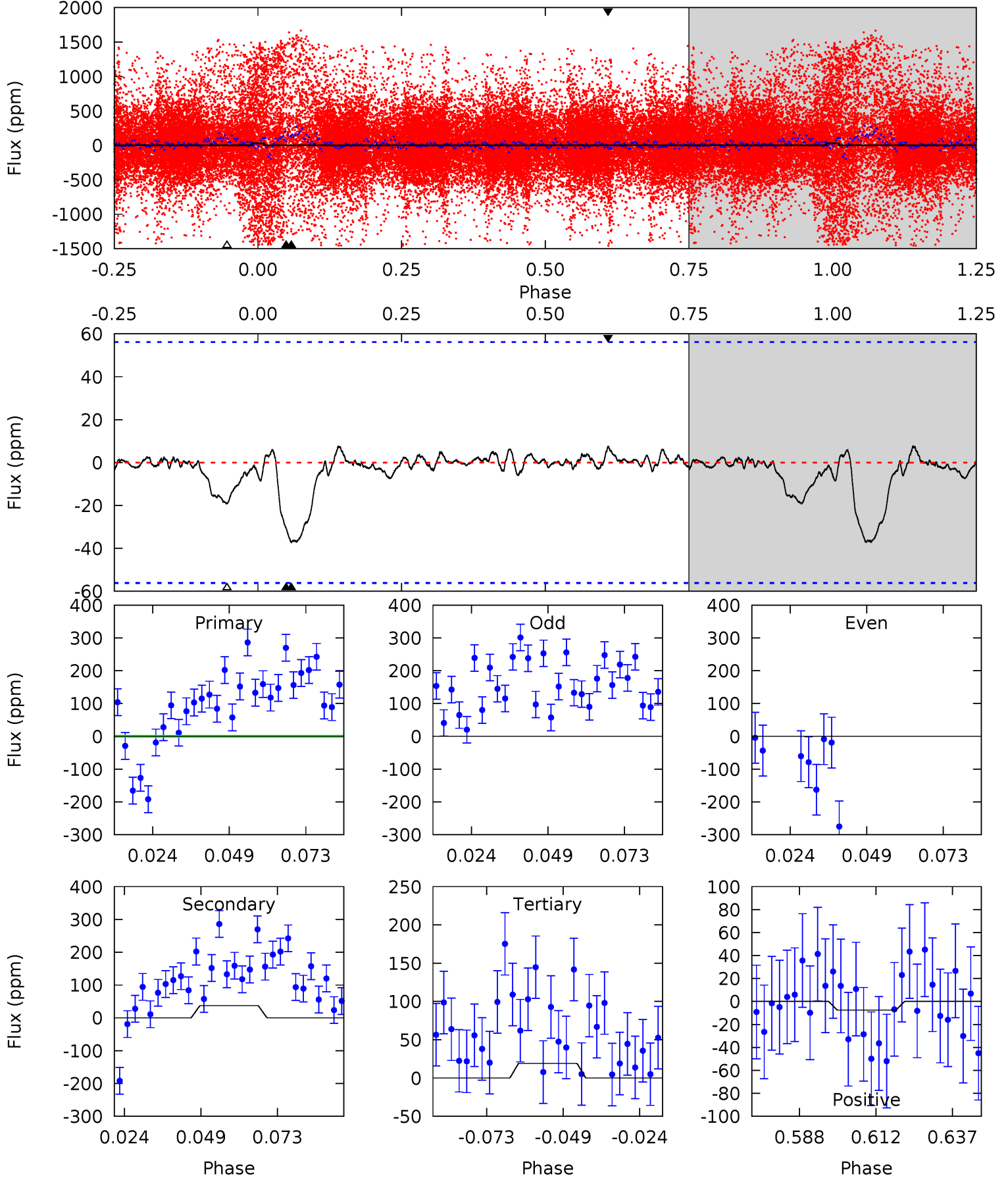
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

008095099-02, P = 7.361447 Days, E = 131.232271 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.65	3.21	1.65	0.65	4.85	2.25	0.40	1.00	2.00	1.55	2.55	2.45	-3.91	0.17	2.45



Stellar Parameters For KIC 008095099

	$T_{\text{eff}} (K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M (M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6074^{+163}_{-200}	$4.466^{+0.067}_{-0.202}$	$-0.240^{+0.300}_{-0.300}$	$0.965^{+0.303}_{-0.101}$	$0.992^{+0.142}_{-0.116}$	$1.556^{+0.449}_{-0.830}$
	+3%/-3%	+2%/-5%	+125%/-125%	+31%/-10%	+14%/-12%	+29%/-53%
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 008095099-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 1000000	$15.06^{+10.38}_{-8.93}$	1367^{+98}_{-61}	-4461^{+16521}_{-6985}	$-61.126^{+2201.236}_{-1914.550}$
Alt.	-37 ± 12	$7.28^{+8.28}_{-5.03}$	1372^{+94}_{-69}	2569^{+1067}_{-672}	$1.913^{+19.304}_{-1.499}$

T_{max} = Theoretical Maximum Planetary Temperature
 T_{obs} = Observed Planetary Temperature (Assuming A=0.3)
 A_{obs} = Observed Albedo (Assuming T=0)

If a secondary eclipse is present, the system is likely an EB if $T_{\text{obs}} \gg T_{\text{max}}$ AND $A_{\text{obs}} \gg 1.0$

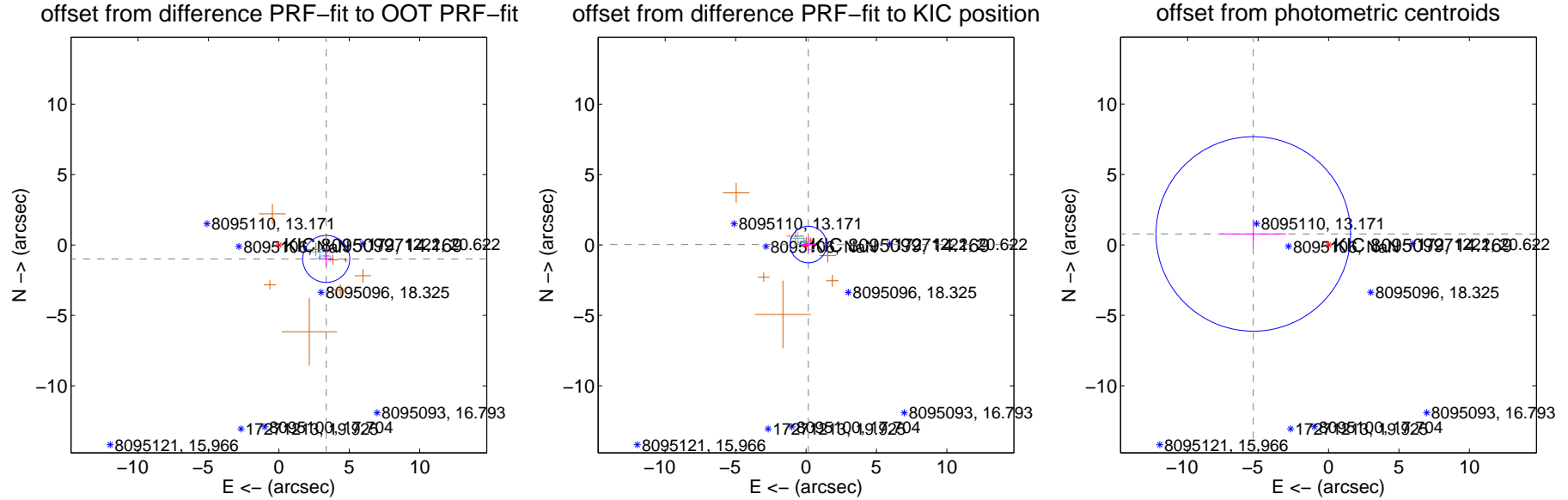
DV Centroid Data

Supplemental centroid analysis for 008095099-02. Kepler magnitude: 14.17. Transit SNR -1.00

There are 4 quarters with good PRF difference image offsets

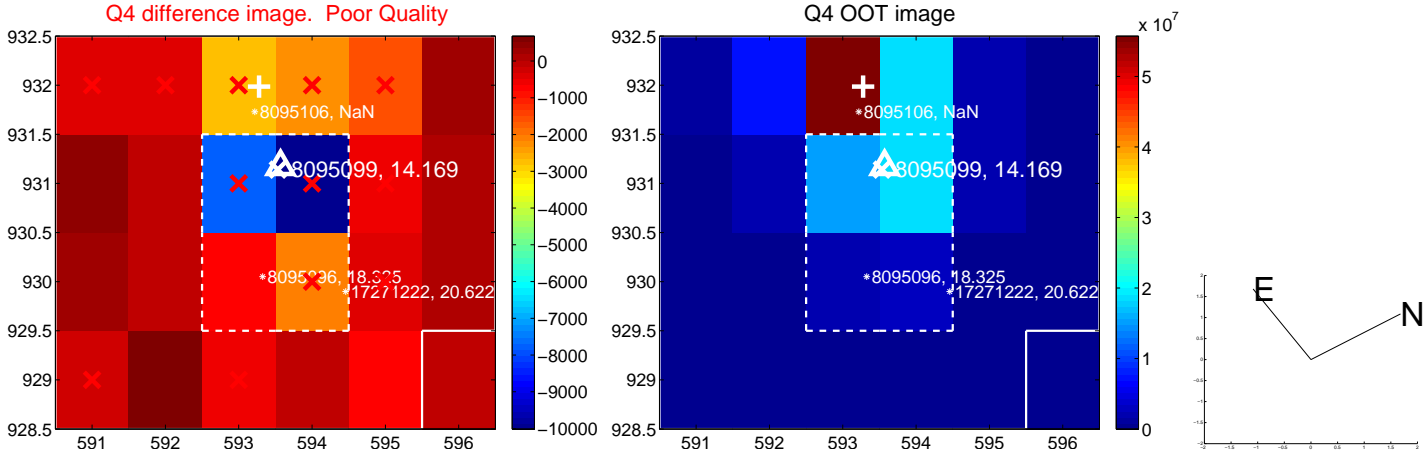
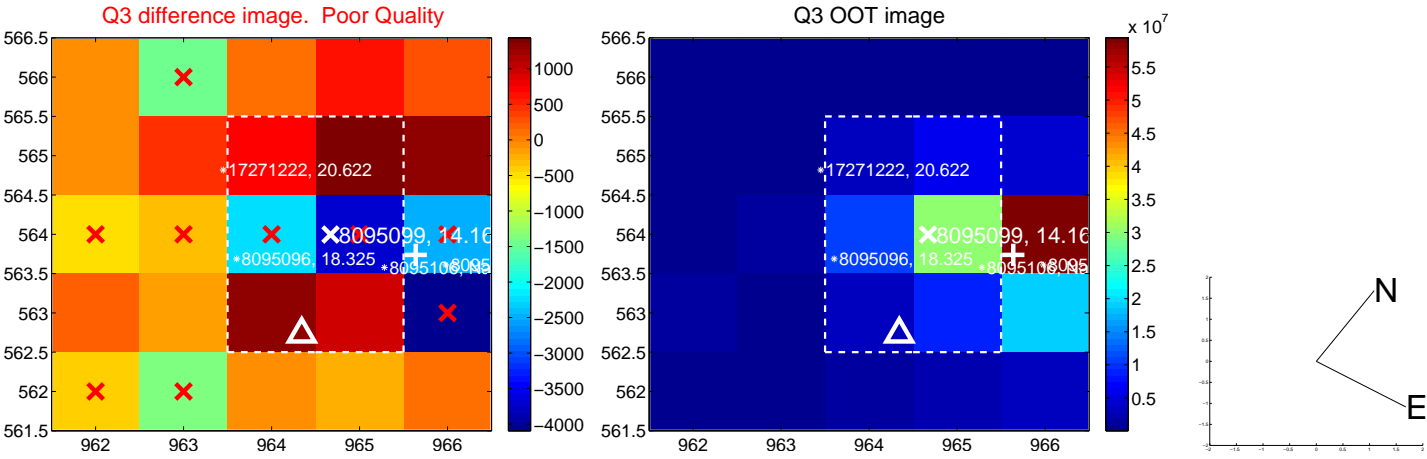
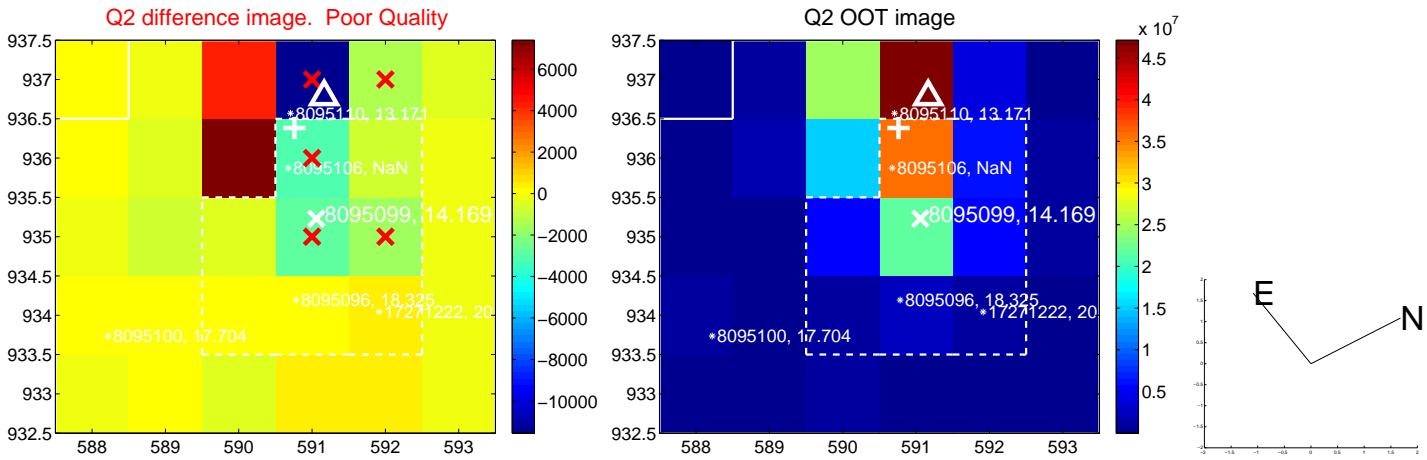
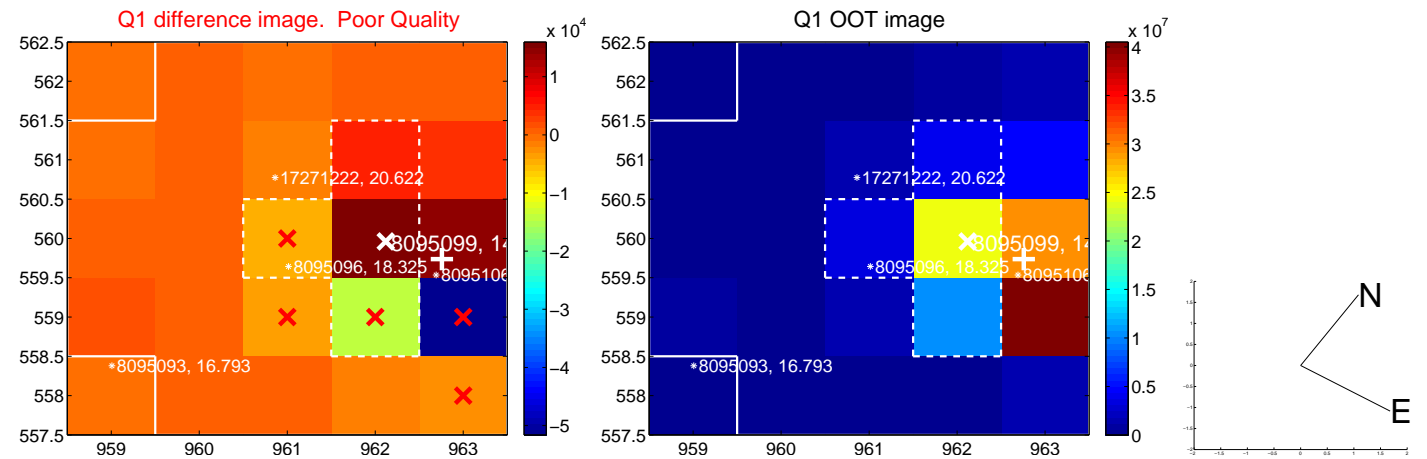
The OOT PRF centroid is offset from the target star catalog position by about 3.61 arcsec so the offset from difference PRF-fit to OOT-fit may be invalid.

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	3.505 ± 0.556	6.30	-3.363 ± 0.525	-0.988 ± 0.534
PRF-fit source offset from KIC position	0.169 ± 0.433	0.39	-0.166 ± 0.466	0.034 ± 0.560
photometric centroid source offset	5.40 ± 2.30	2.34	5.34 ± 2.32	0.78 ± 0.96

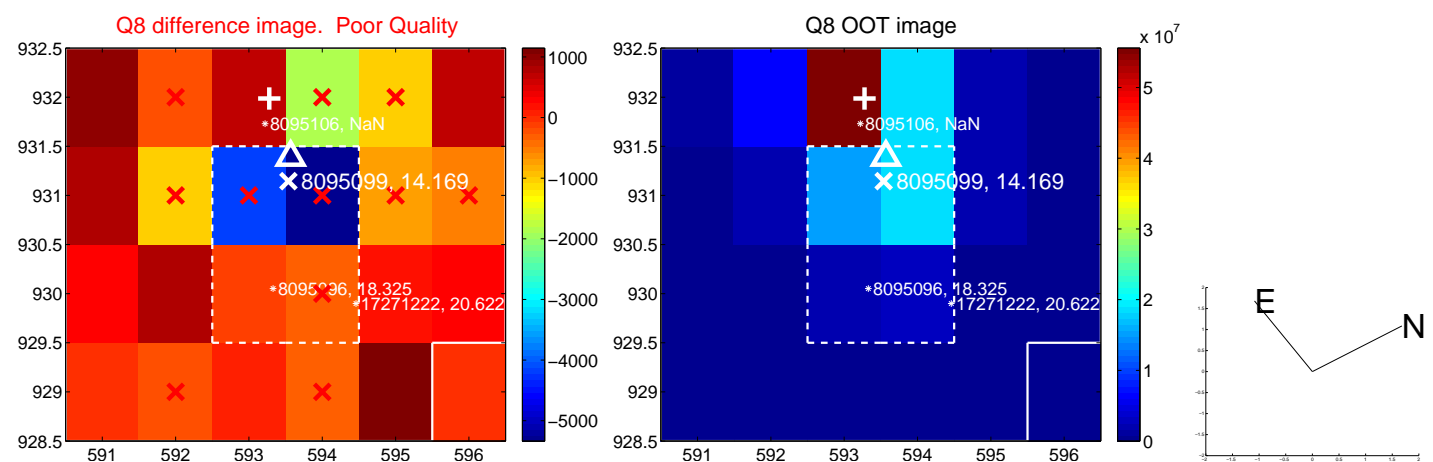
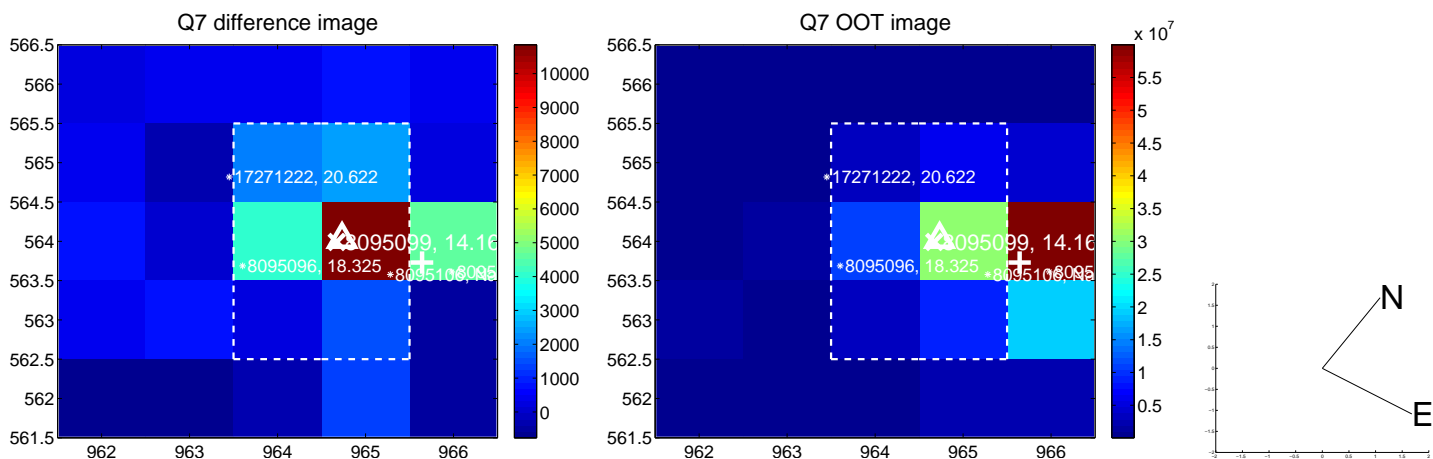
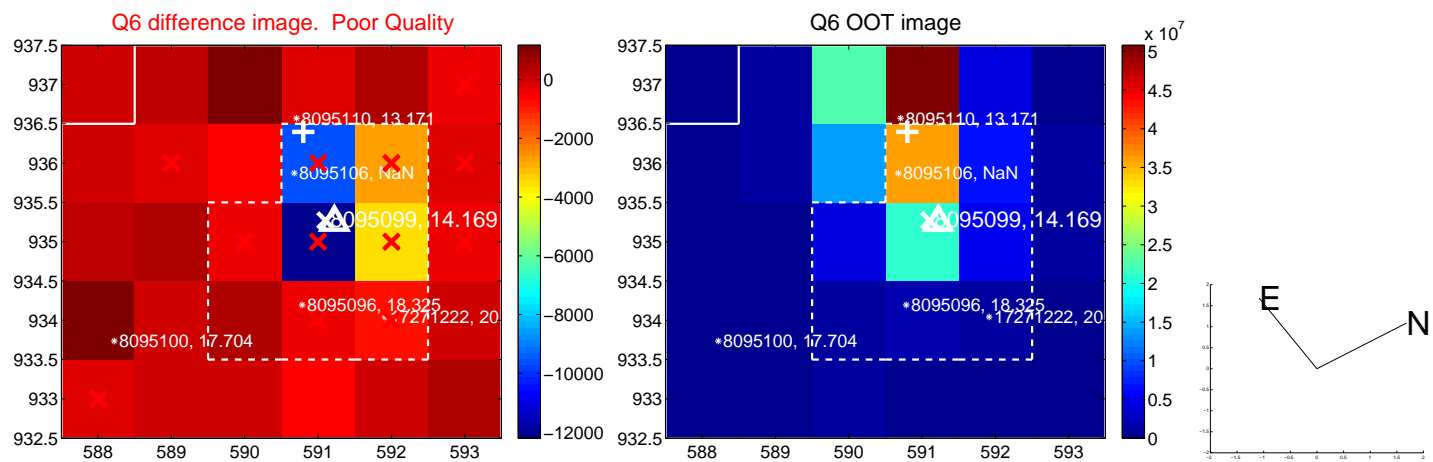
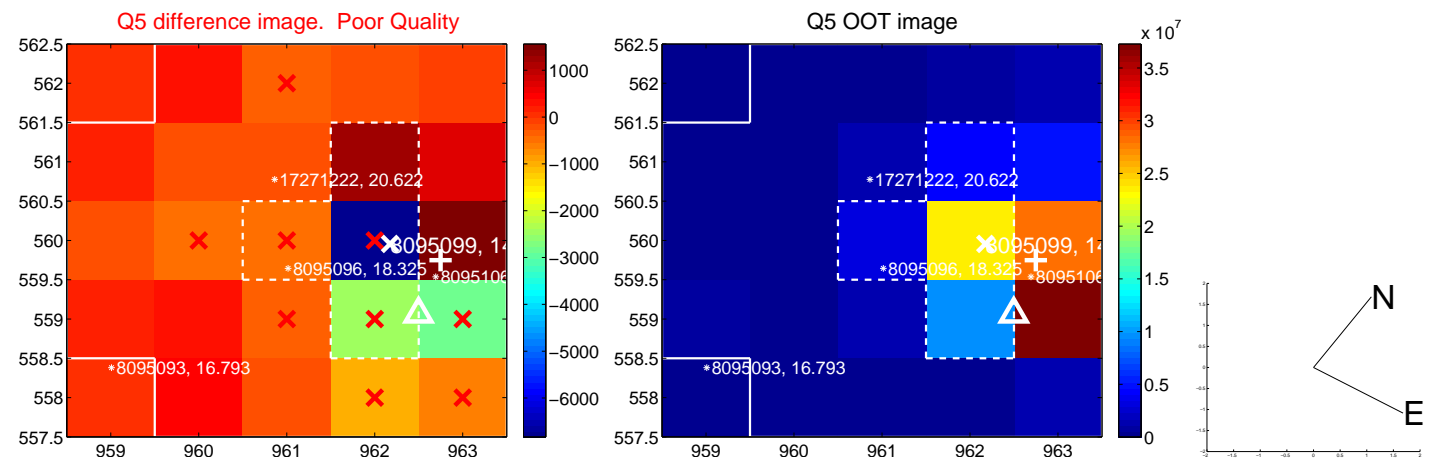


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

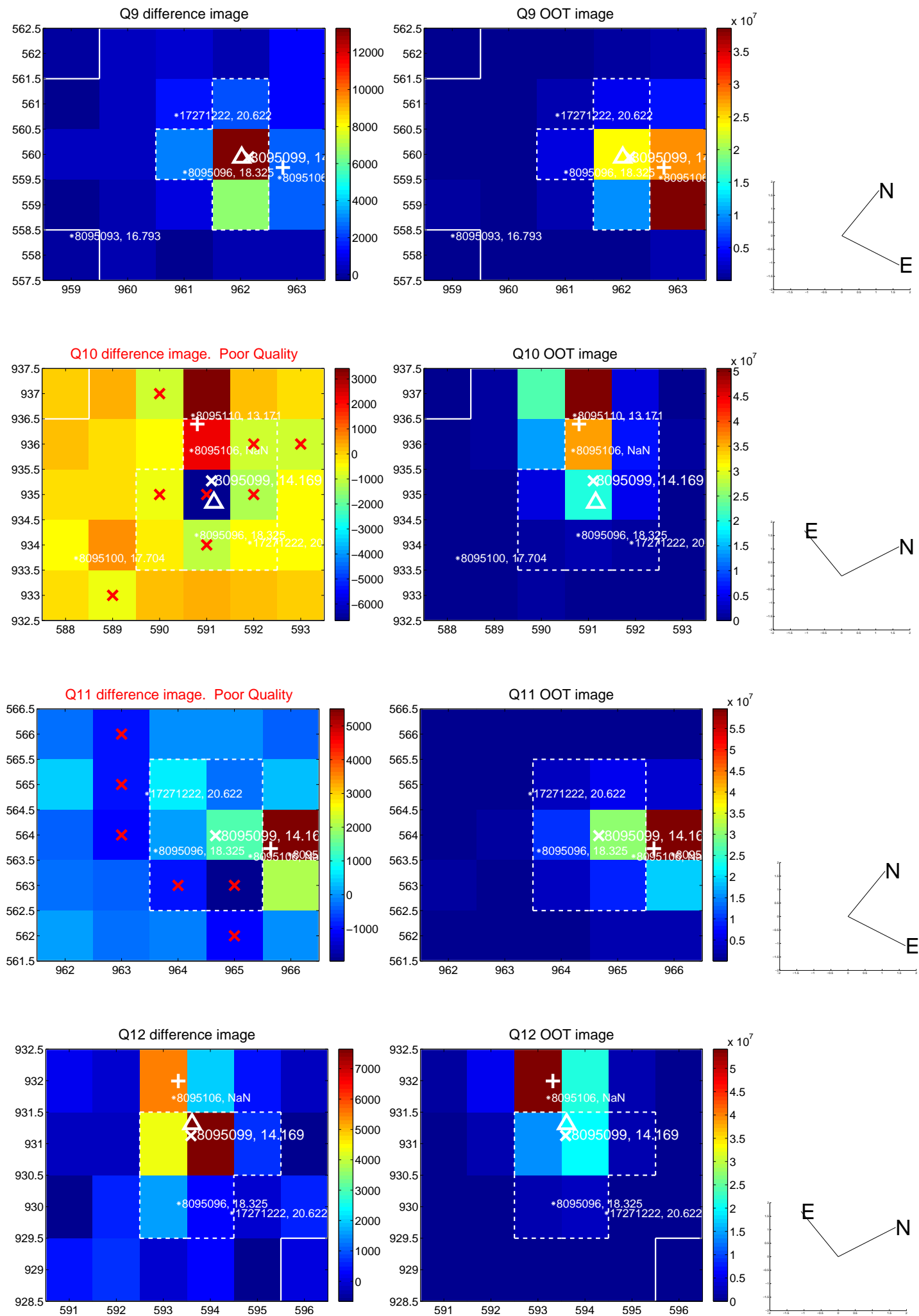
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



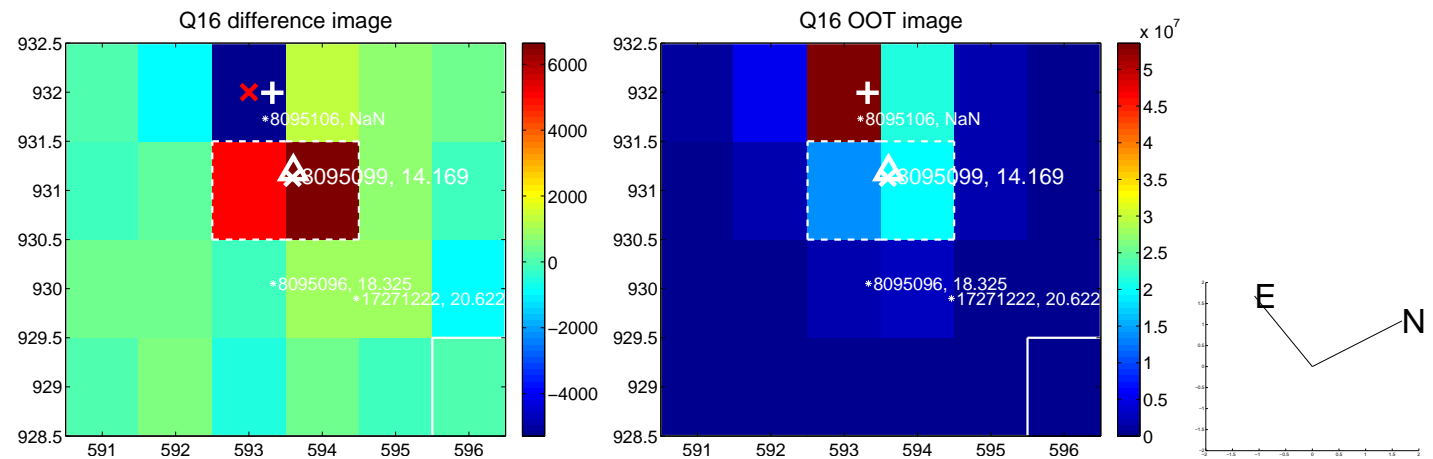
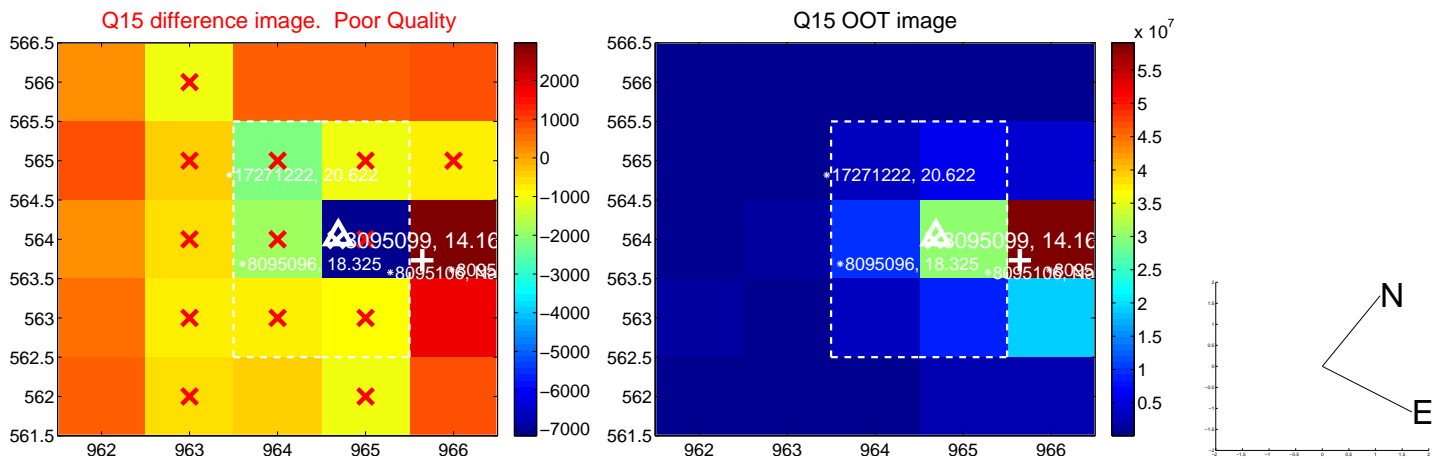
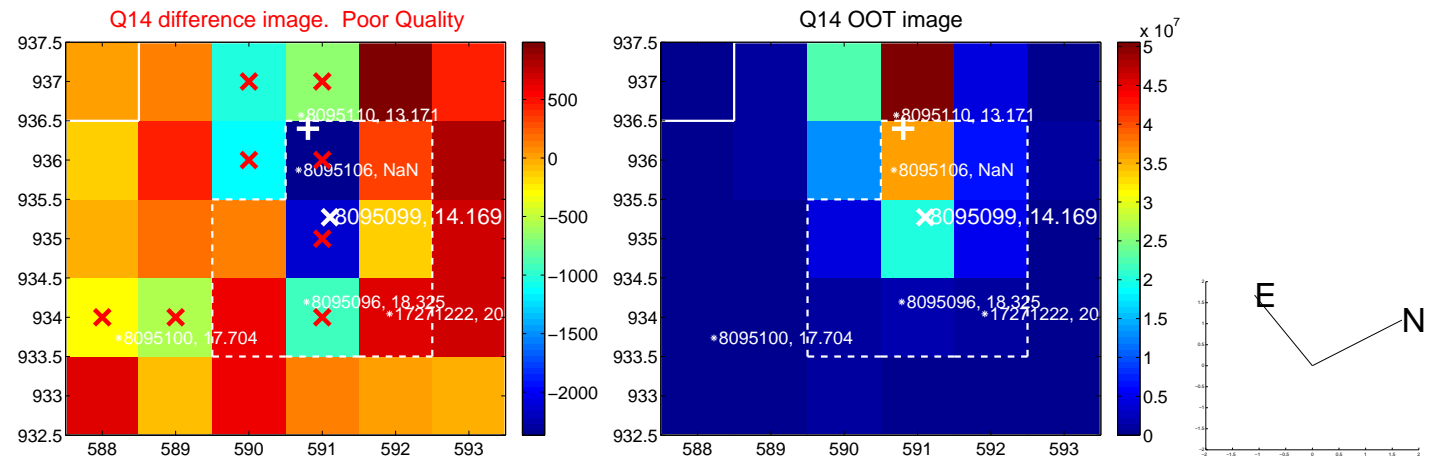
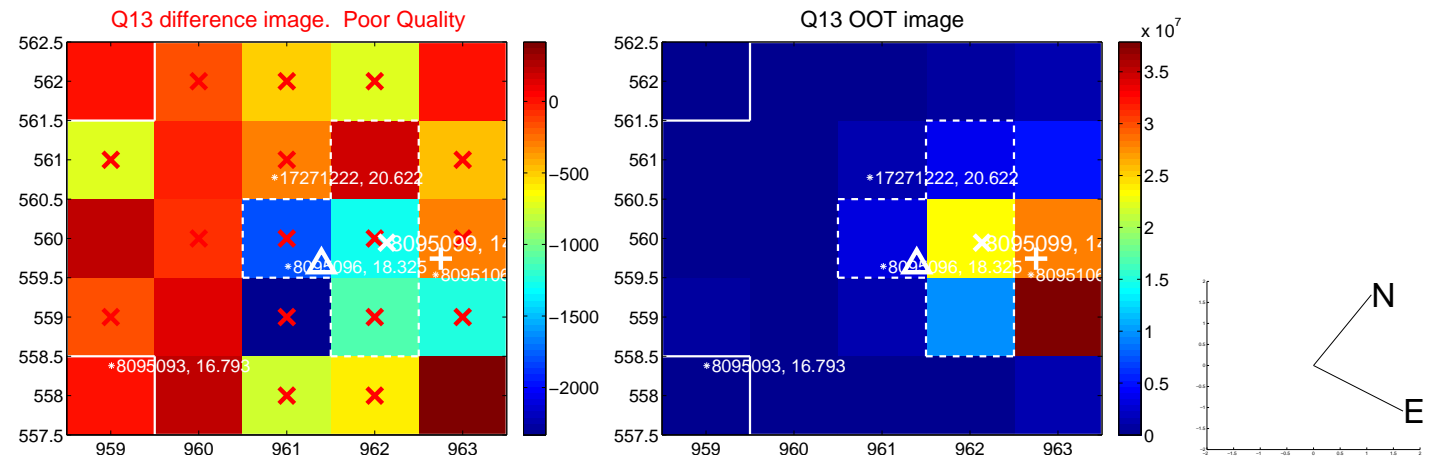
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



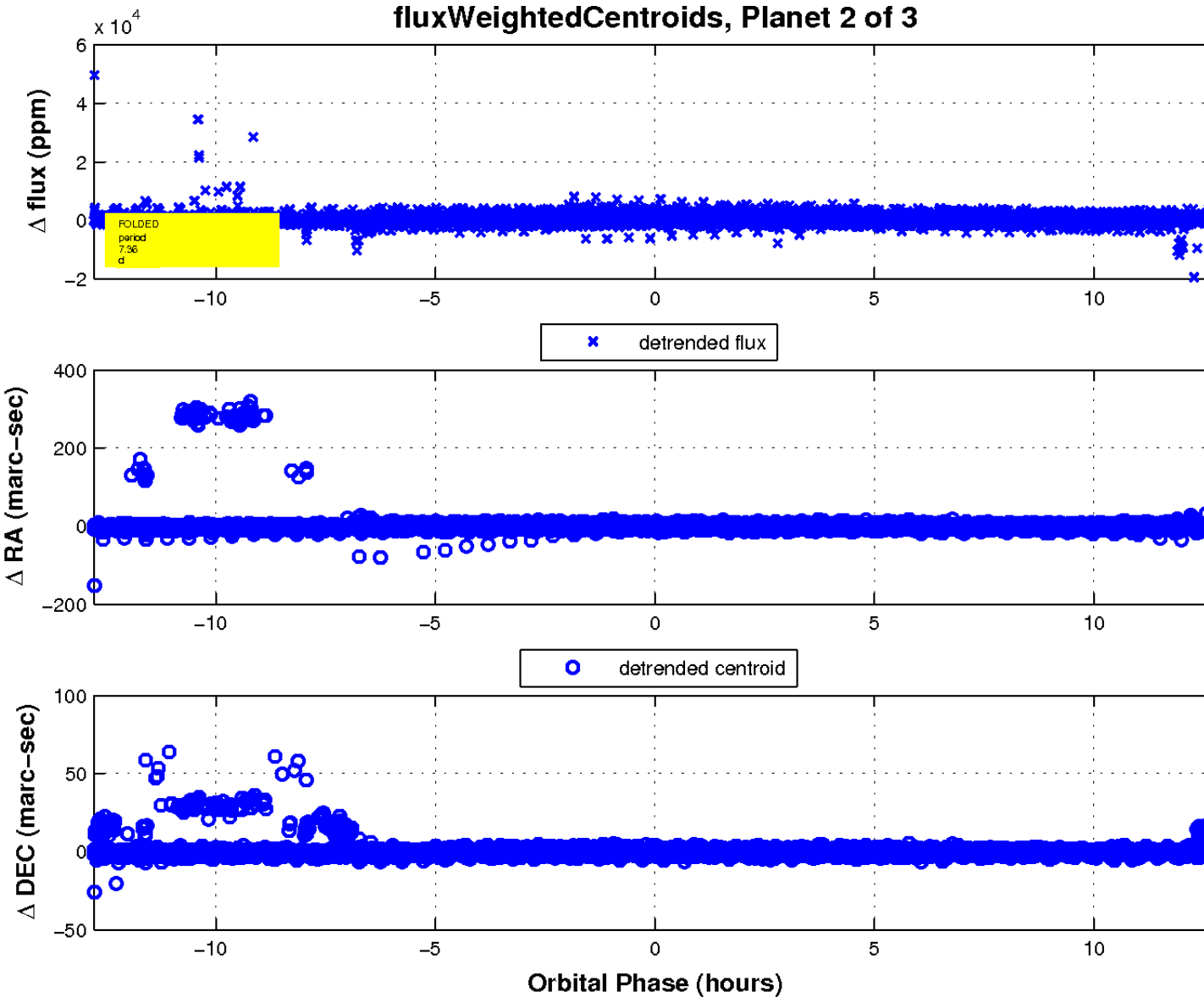
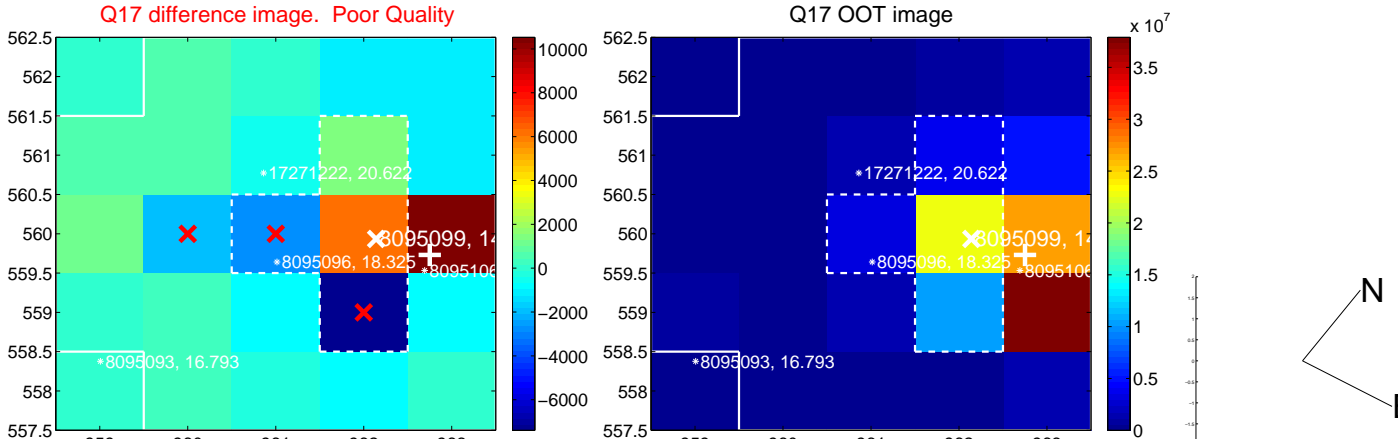
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

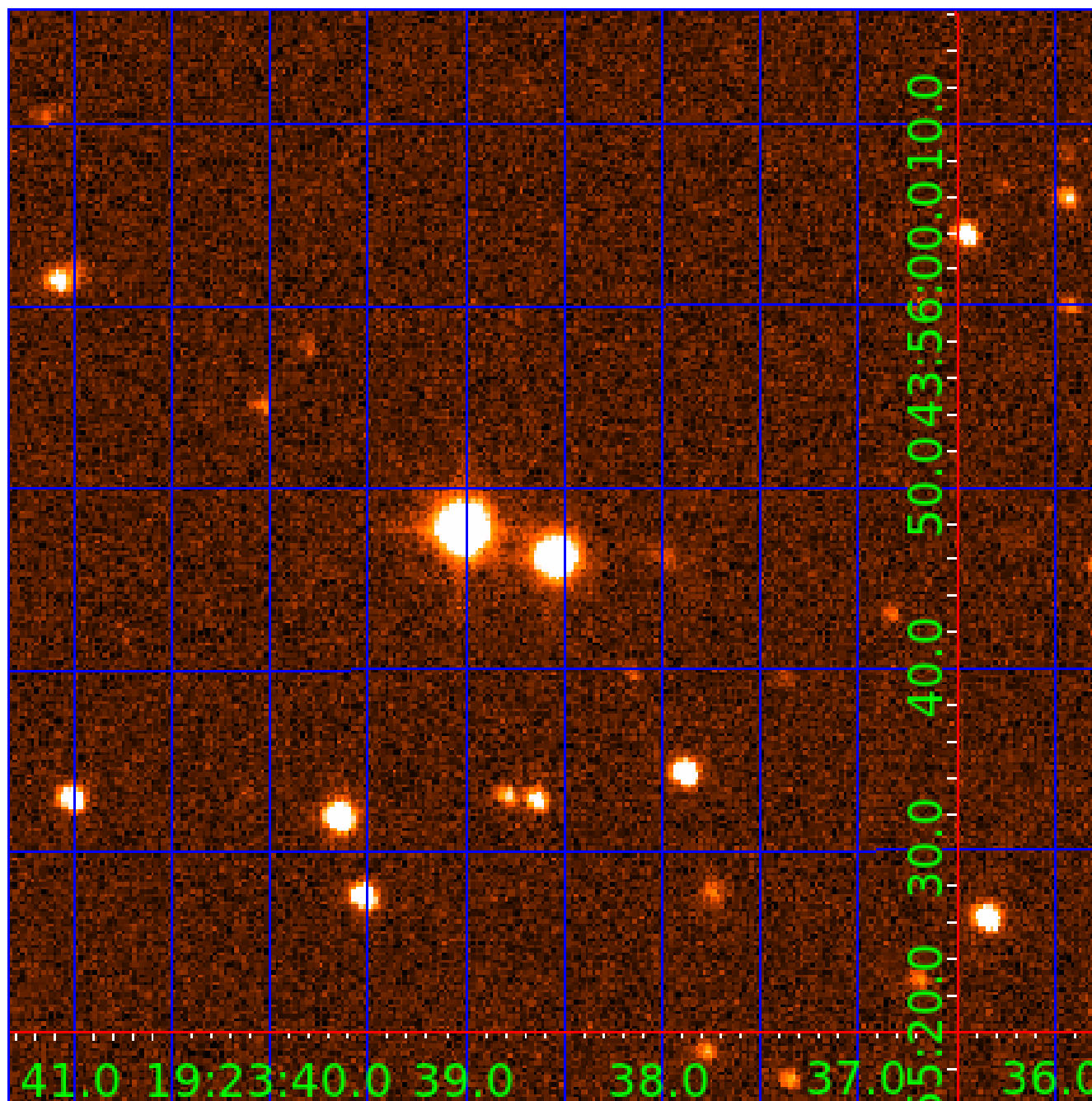


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value



UKIRT Image

Declination



KIC 008095099

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})
008095099-01	OBS	6171.01	2.103242	132.866420	315889.4	3.500	16876.3	-1.0	0.96	6074	37.89	1104.82
008095099-02	OBS	No	7.361447	131.565483	19658.5	15.000	1252.0	-1.0	0.96	6074	13.53	207.90
008095099-03	OBS	No	7.361447	134.725874	19120.2	15.000	1236.7	-1.0	0.96	6074	13.35	207.90

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008095099-01	OBS	FP	0.00	0	1	0	0	DEPTH_ODDEVEN_ALT—MOD_ODDEVEN_ALT—CENT_NOFITS
008095099-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_NOFITS
008095099-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_NOFITS

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 008095099-03

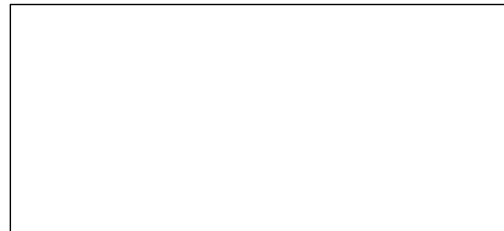
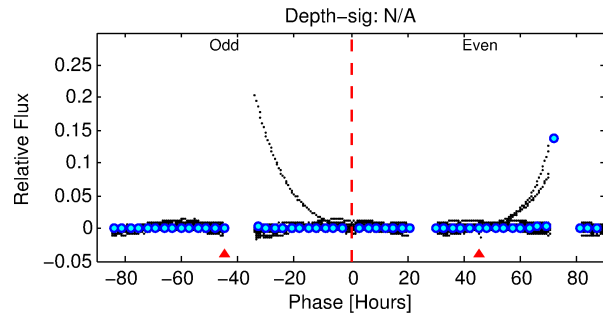
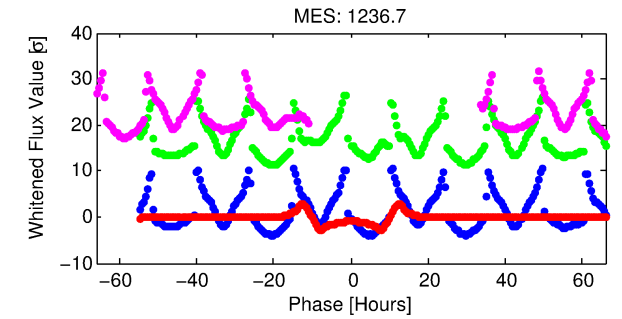
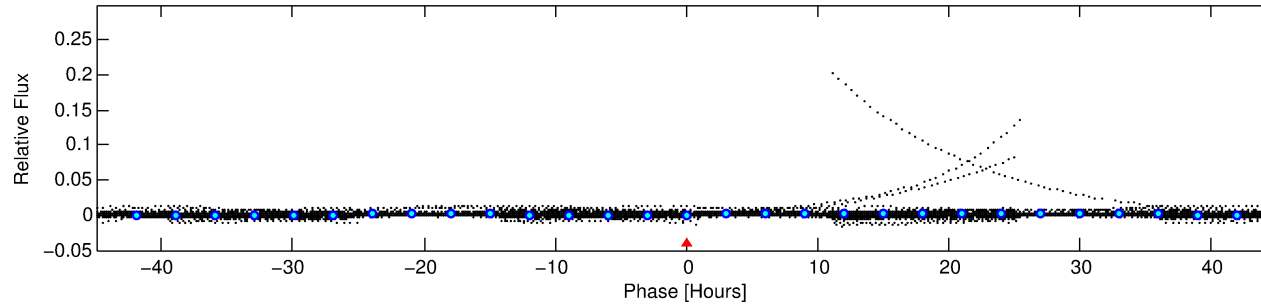
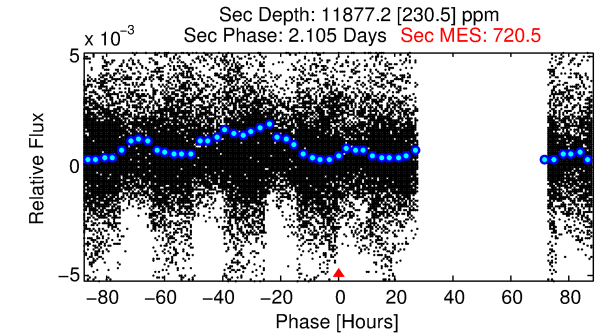
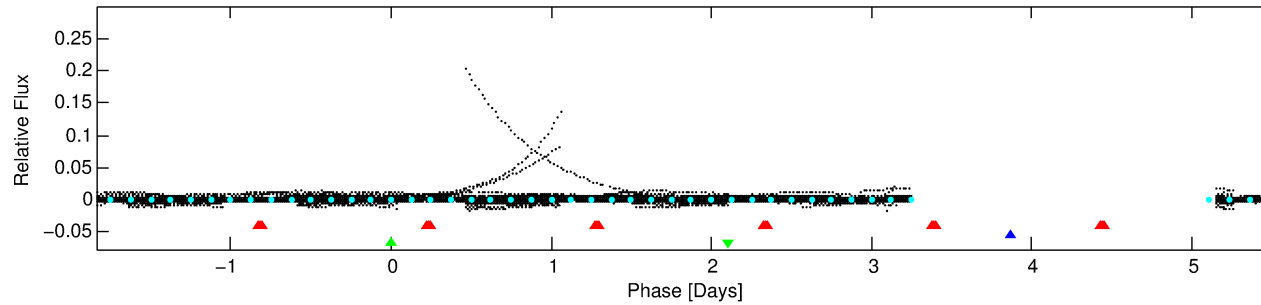
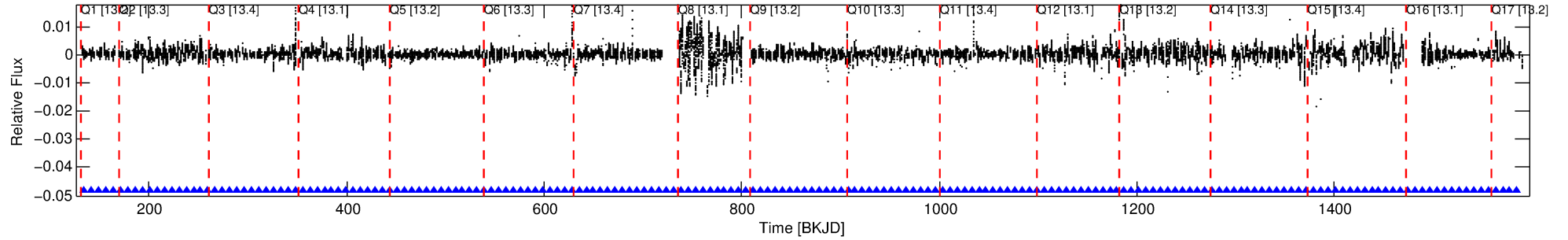
No Significant Match Found

DV One-Page Summary

KIC: 8095099 Candidate: 3 of 3 Period: 7.361 d

KOI: K06171 Corr: No Ephemeris Match

Kp: 14.17 R*: 0.96 Rs Teff: 6074.0 K Logg: 4.47 Fe/H: -0.240



TPS TCE Results:

Period = 7.36145 d
Epoch = 134.7259 BKJD

DV fit results are unavailable

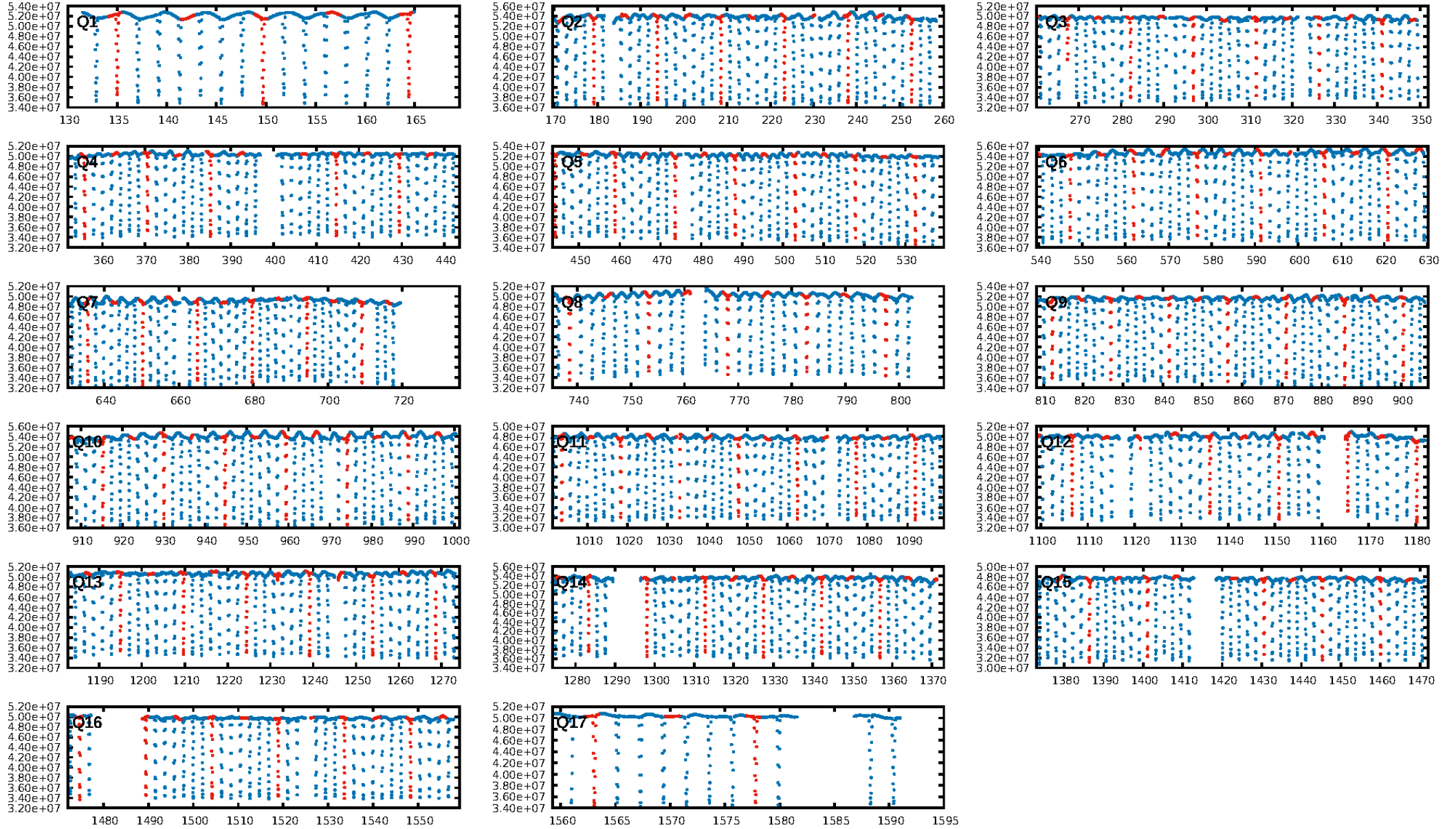
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: N/A
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: N/A
KicOffset-rm: N/A
OotOffset-st: 0/0/0 [0]
KicOffset-st: 0/0/0 [0]
DiffImageQuality-fgm: N/A
DiffImageOverlap-fno: N/A

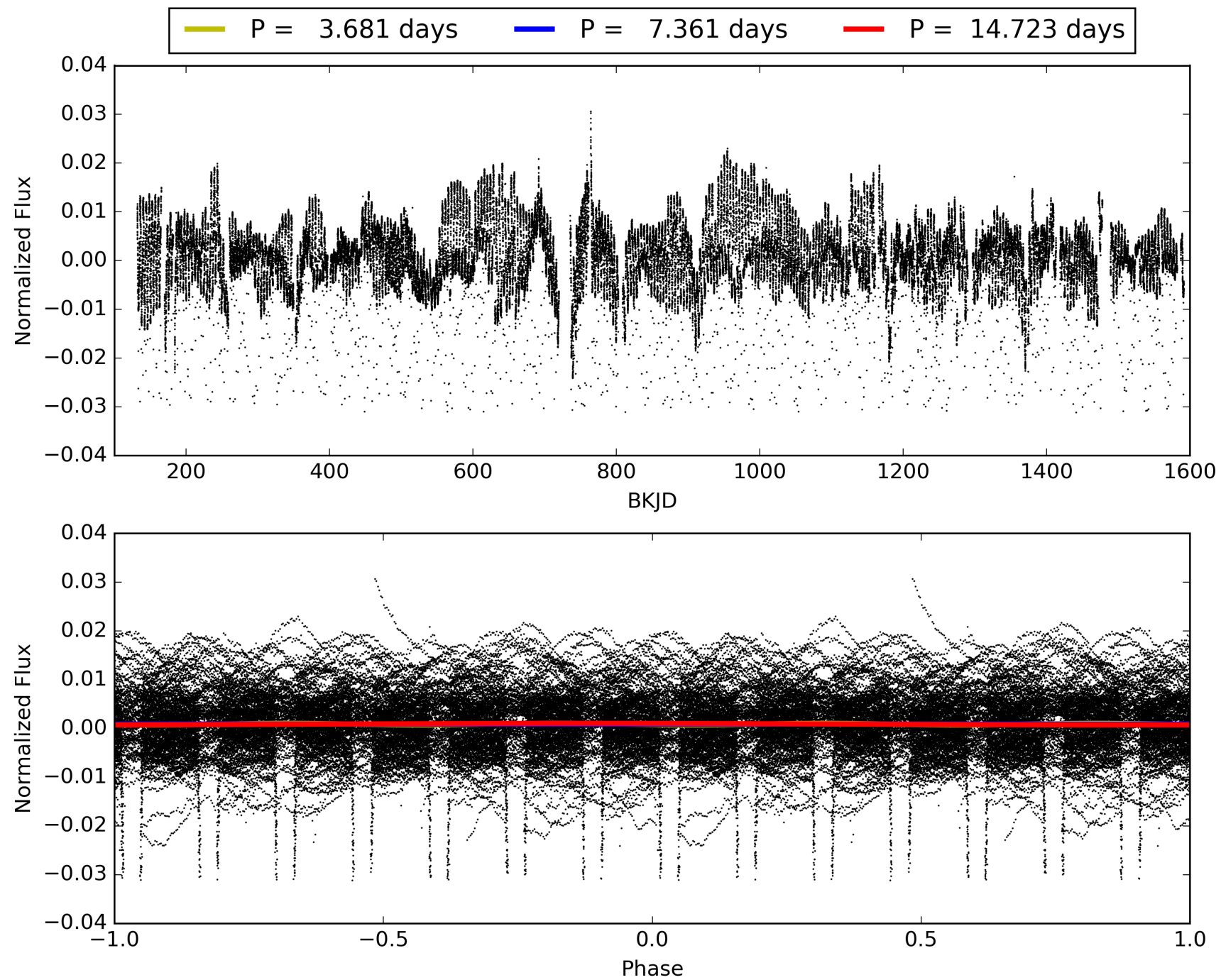
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 23:12:25 Z

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

TCE 008095099-03, PDC Light Curves

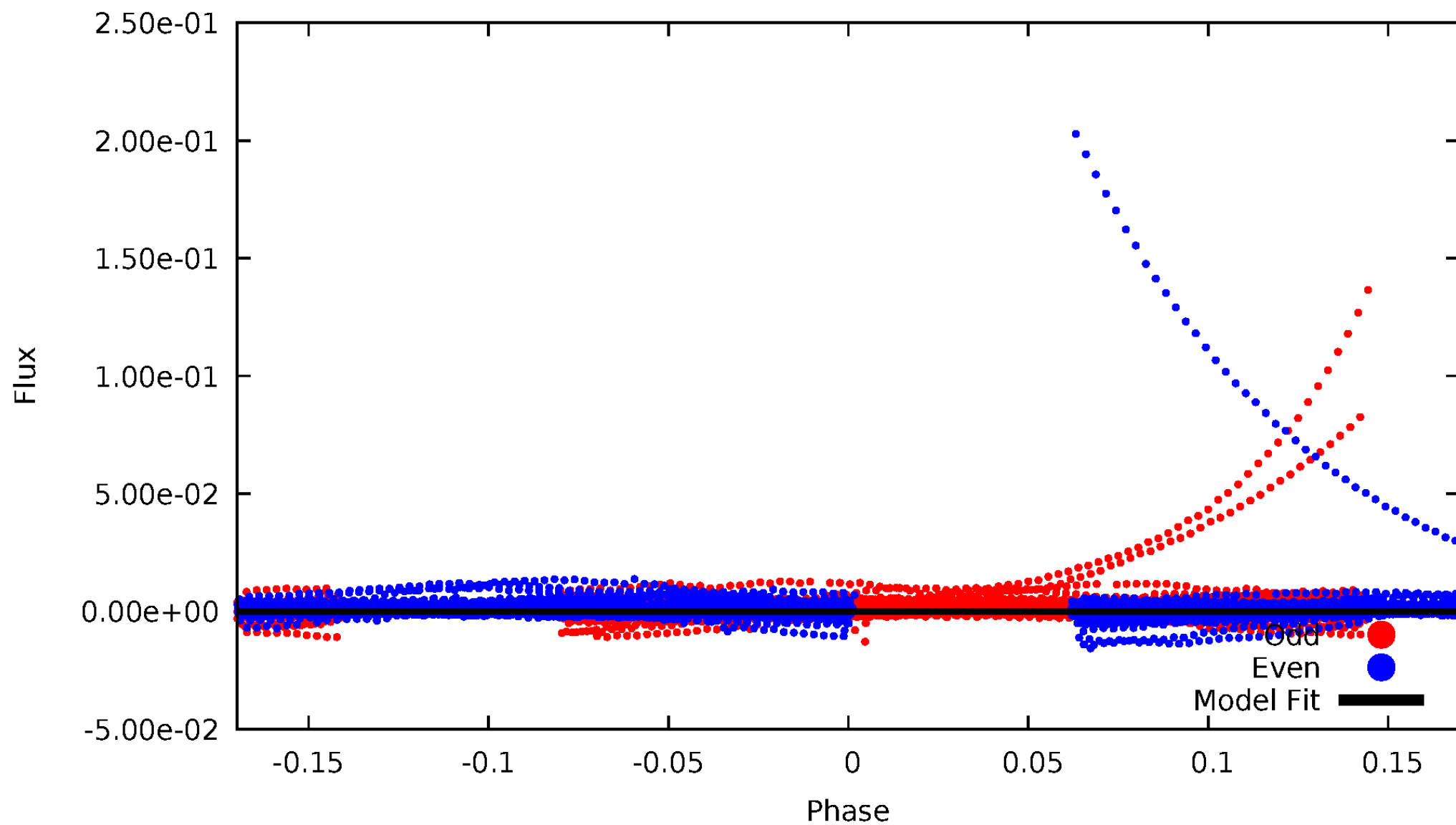


TCE 008095099-03



DV Odd/Even

TCE 008095099-03

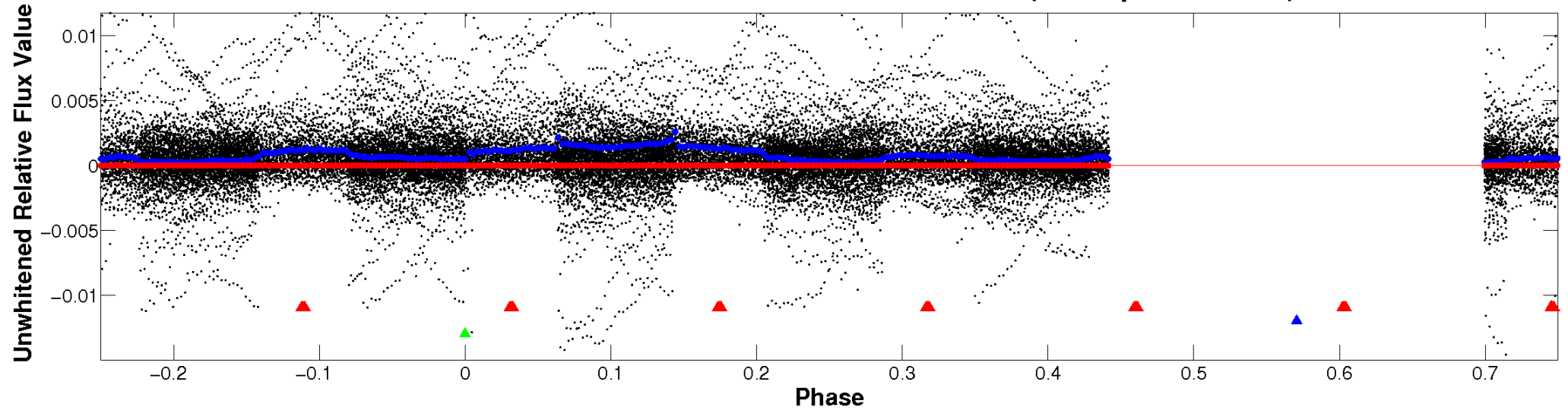


ALT Odd/Even

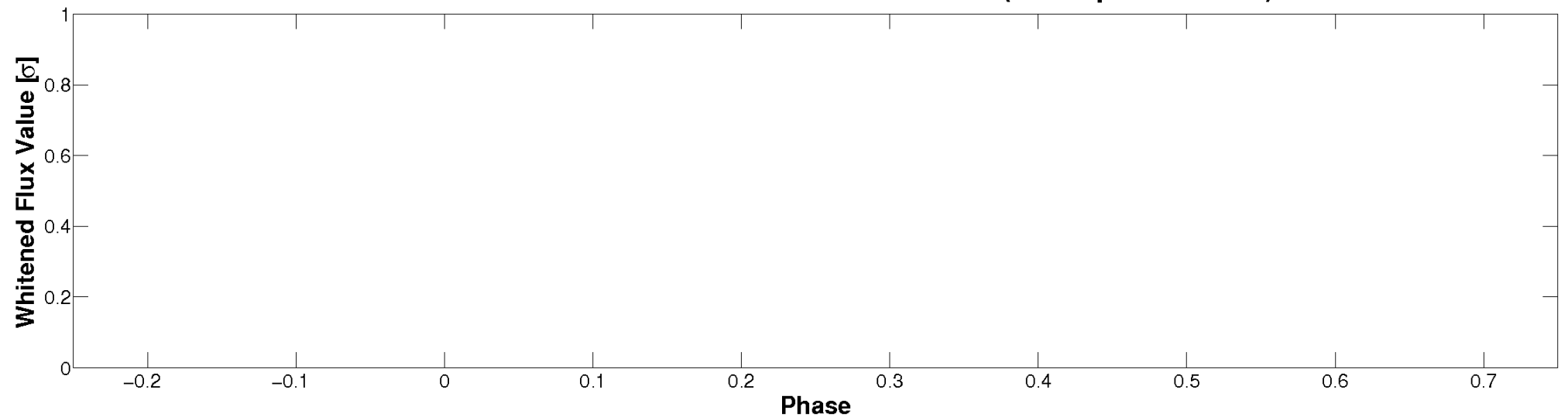
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

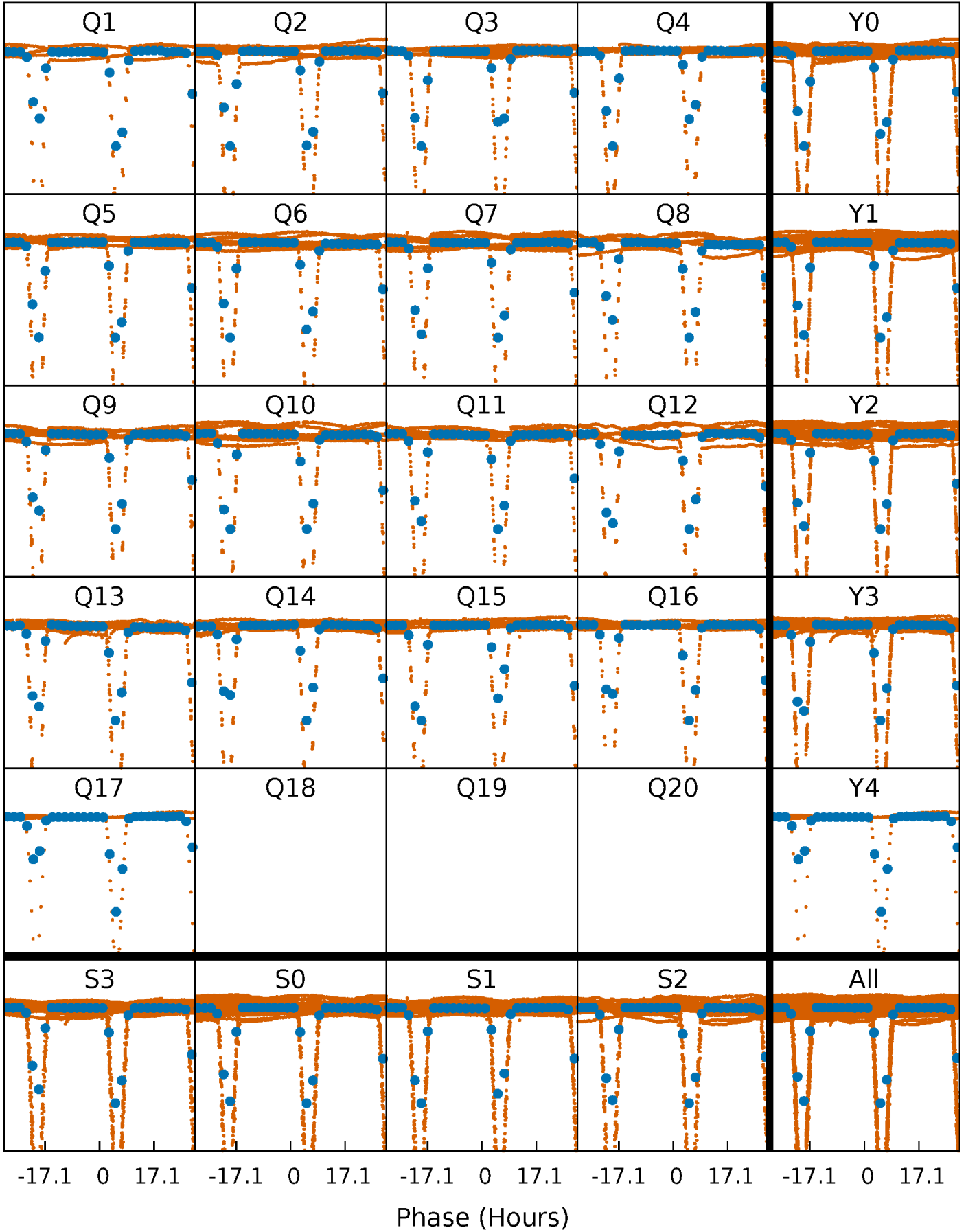


Planet 3 : Phased Whitened Flux Time Series (TPS Epoch/Period)



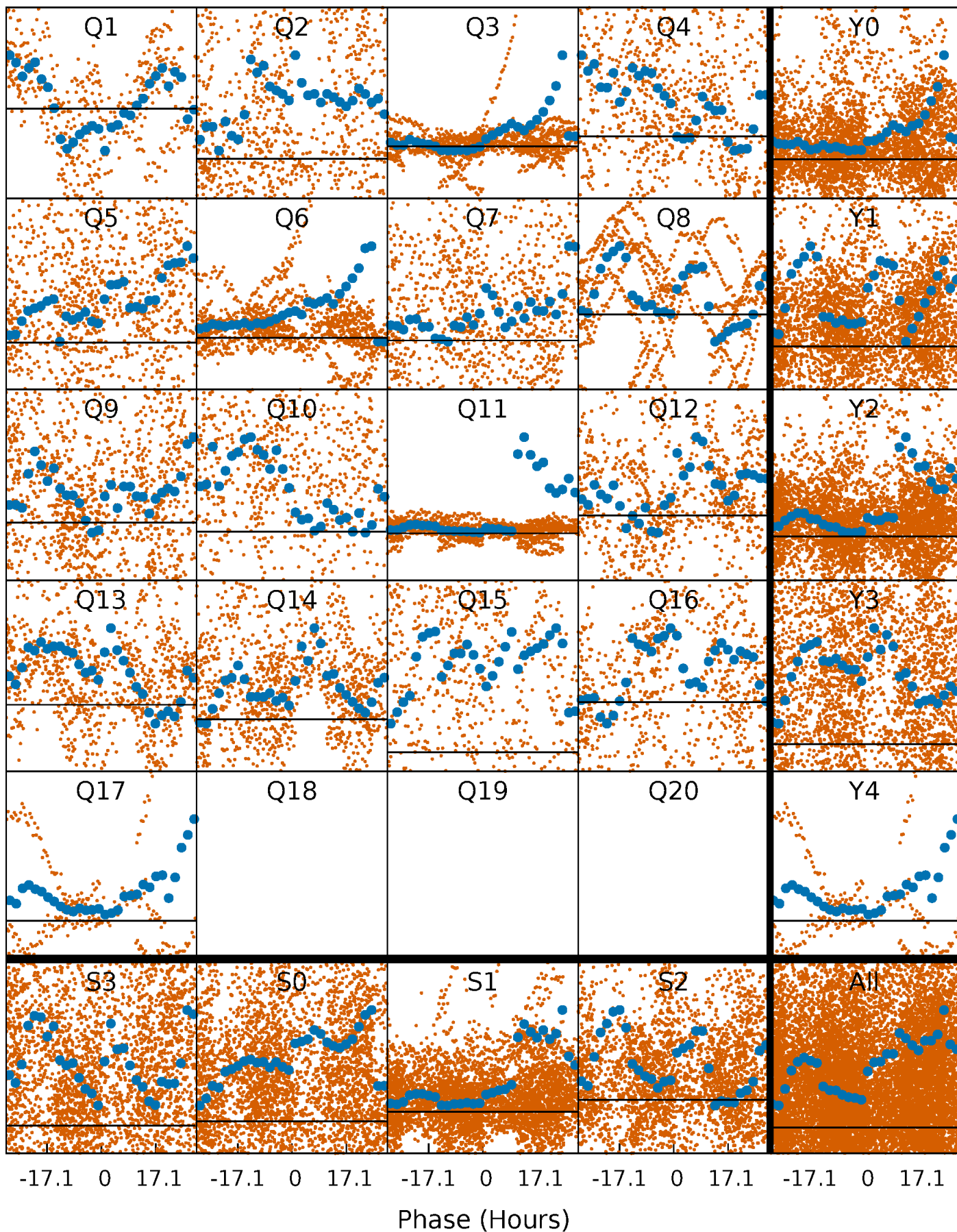
PDC Quarter-Phased Transit Curves

TCE 008095099-03 P= 7.361447 Days $T_0=134.725874$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 008095099-03 P= 7.361447 Days $T_0=134.725874$ (BKJD)

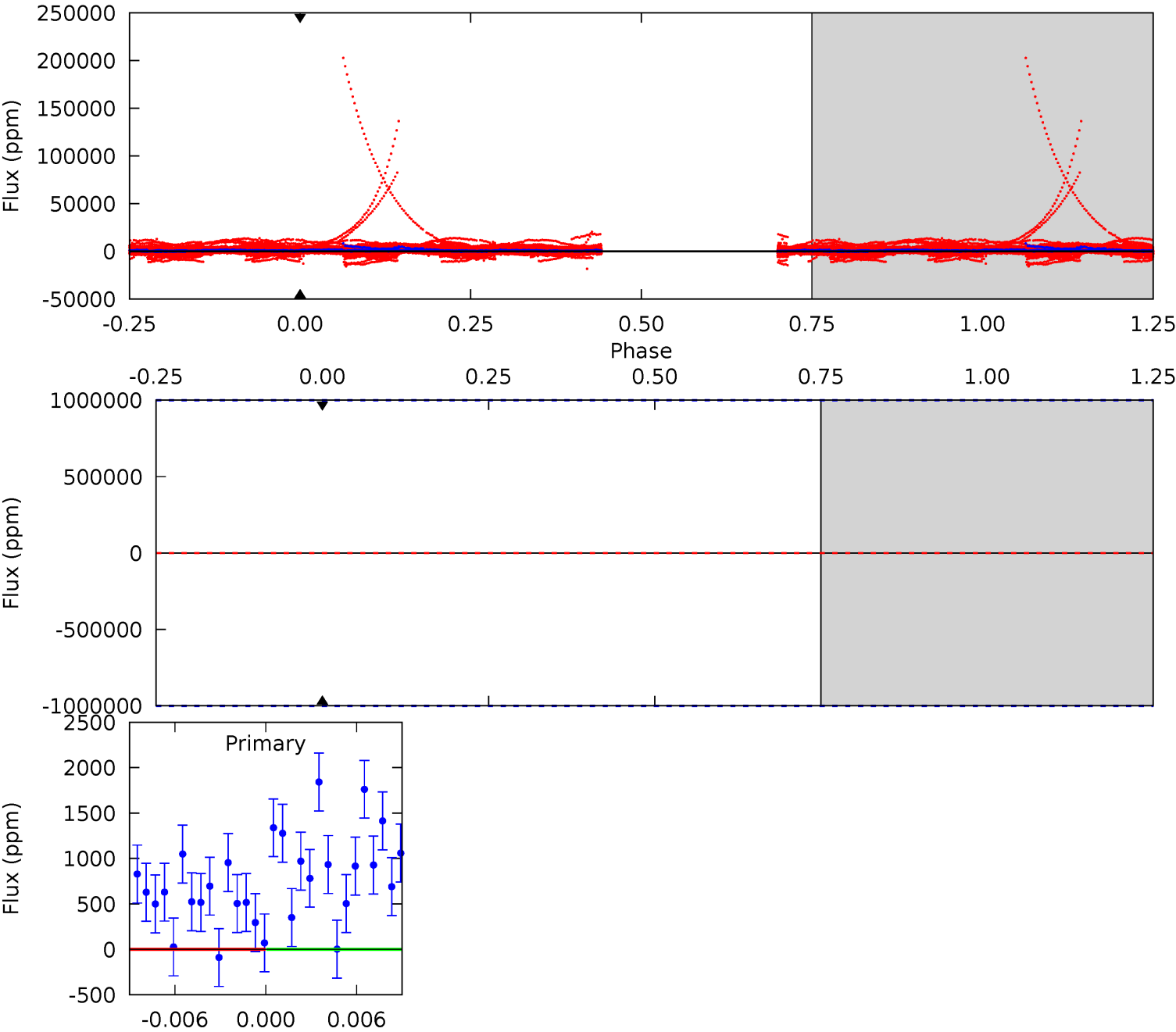


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

008095099-03, P = 7.361447 Days, E = 127.364427 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 008095099

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6074^{+163}_{-200}	$4.466^{+0.067}_{-0.202}$	$-0.240^{+0.300}_{-0.300}$	$0.965^{+0.303}_{-0.101}$	$0.992^{+0.142}_{-0.116}$	$1.556^{+0.449}_{-0.830}$
	+3%/-3%	+2%/-5%	+125%/-125%	+31%/-10%	+14%/-12%	+29%/-53%
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 008095099-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 1000000	$15.37^{+9.90}_{-9.45}$	1377^{+98}_{-70}	-4064^{+15217}_{-7034}	$-33.894^{+2028.639}_{-1631.911}$
Alt.	N/A	N/A	N/A	N/A	N/A

T_{max} = Theoretical Maximum Planetary Temperature
 T_{obs} = Observed Planetary Temperature (Assuming A=0.3)
 A_{obs} = Observed Albedo (Assuming T=0)

If a secondary eclipse is present, the system is likely an EB if $T_{\text{obs}} \gg T_{\text{max}}$ AND $A_{\text{obs}} \gg 1.0$

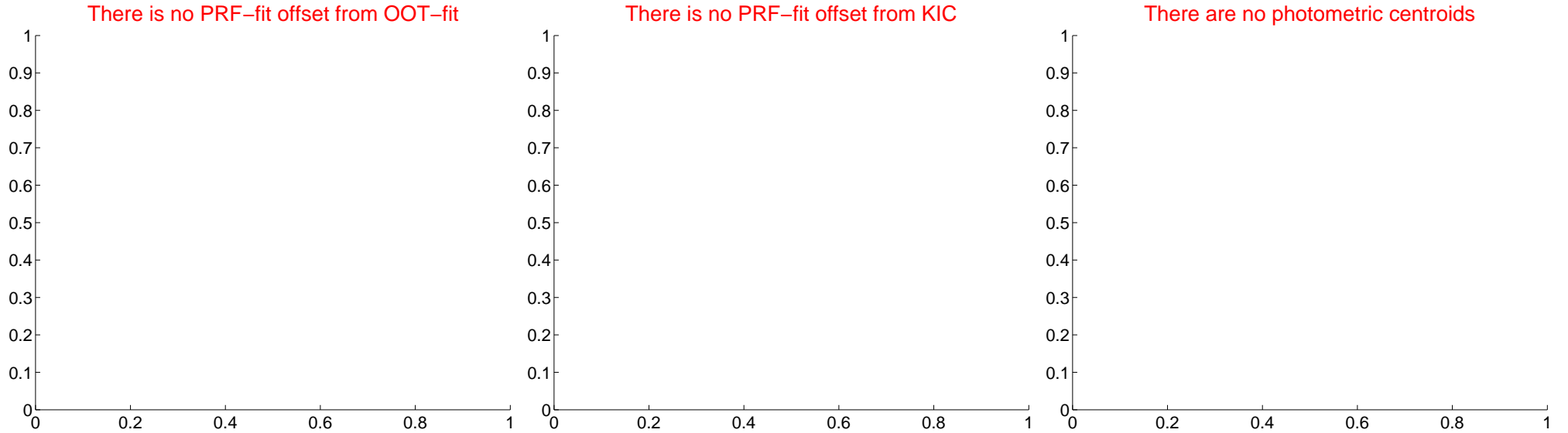
DV Centroid Data

Supplemental centroid analysis for 008095099-03. Kepler magnitude: 14.17. Transit SNR -1.00

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	—	—	—	—



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.



folded centroid time series figure for this object.

UKIRT Image

Declination

