

KIC 007755932

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})
007755932-01	OBS	No	0.702920	132.141105	48.2	1.482	12.7	13.8	3.16	7691	2.23	85051.85
007755932-02	OBS	No	0.548714	131.893549	42.8	1.586	9.1	10.9	3.16	7691	2.42	118330.45
007755932-03	OBS	No	0.702933	131.700484	46.2	1.268	7.2	8.1	3.16	7691	2.51	85049.83

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007755932-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
007755932-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
007755932-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD

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

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

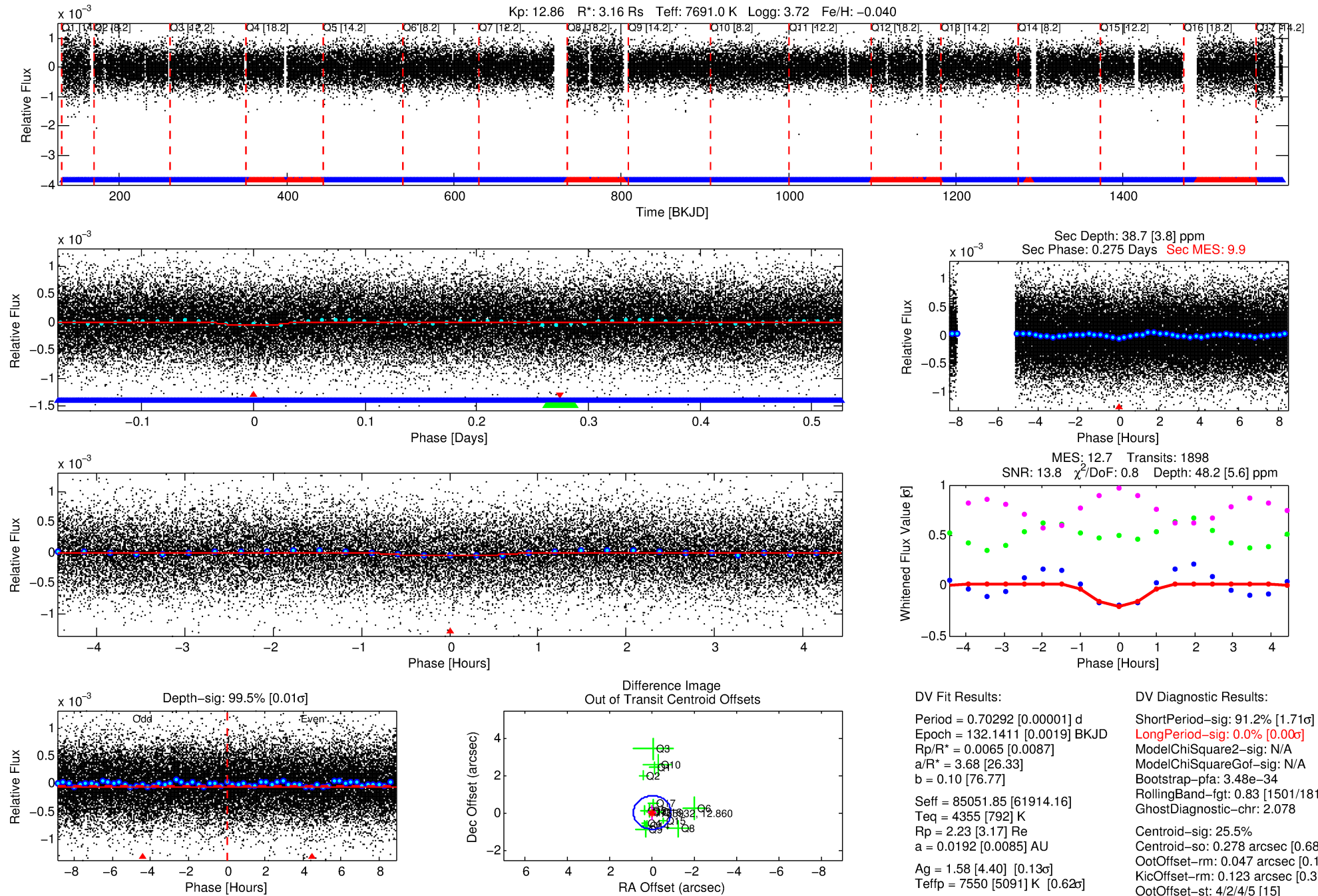
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007755932-01

No Significant Match Found

DV One-Page Summary

KIC: 7755932 Candidate: 1 of 3 Period: 0.703 d



DV Fit Results:

Period = 0.70292 [0.00001] d
Epoch = 132.1411 [0.0019] BKJD
Rp/R* = 0.0065 [0.0087]
a/R* = 3.68 [26.33]
b = 0.10 [76.77]
Seff = 85051.85 [61914.16]
Teff = 4355 [792] K
Rp = 2.23 [3.17] Re
a = 0.0192 [0.0085] AU
Ag = 1.58 [4.40] [0.13 σ]
Teffp = 7550 [5091] K [0.62 σ]

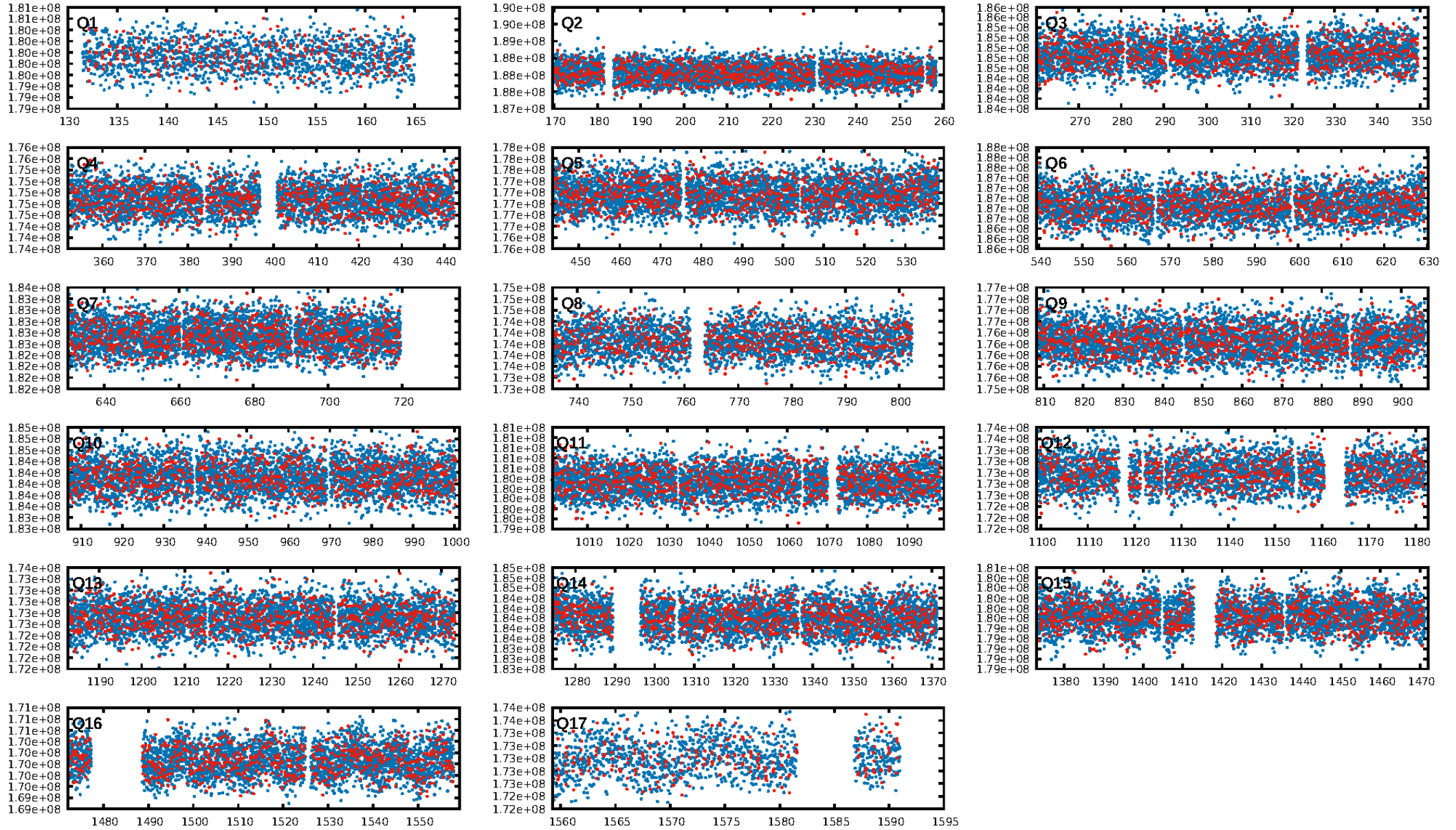
DV Diagnostic Results:

ShortPeriod-sig: 91.2% [1.71 σ]
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 3.48e-34
RollingBand-fgt: 0.83 [1501/1813]
GhostDiagnostic-chr: 2.078
Centroid-sig: 25.5%
Centroid-so: 0.278 arcsec [0.68 σ]
OotOffset-rm: 0.047 arcsec [0.16 σ]
KicOffset-rm: 0.123 arcsec [0.37 σ]
OotOffset-st: 4/2/4/5 [15]
KicOffset-st: 4/2/4/5 [15]
DiffImageQuality-fgm: 0.33 [5/15]
DiffImageOverlap-fno: 0.94 [16/17]

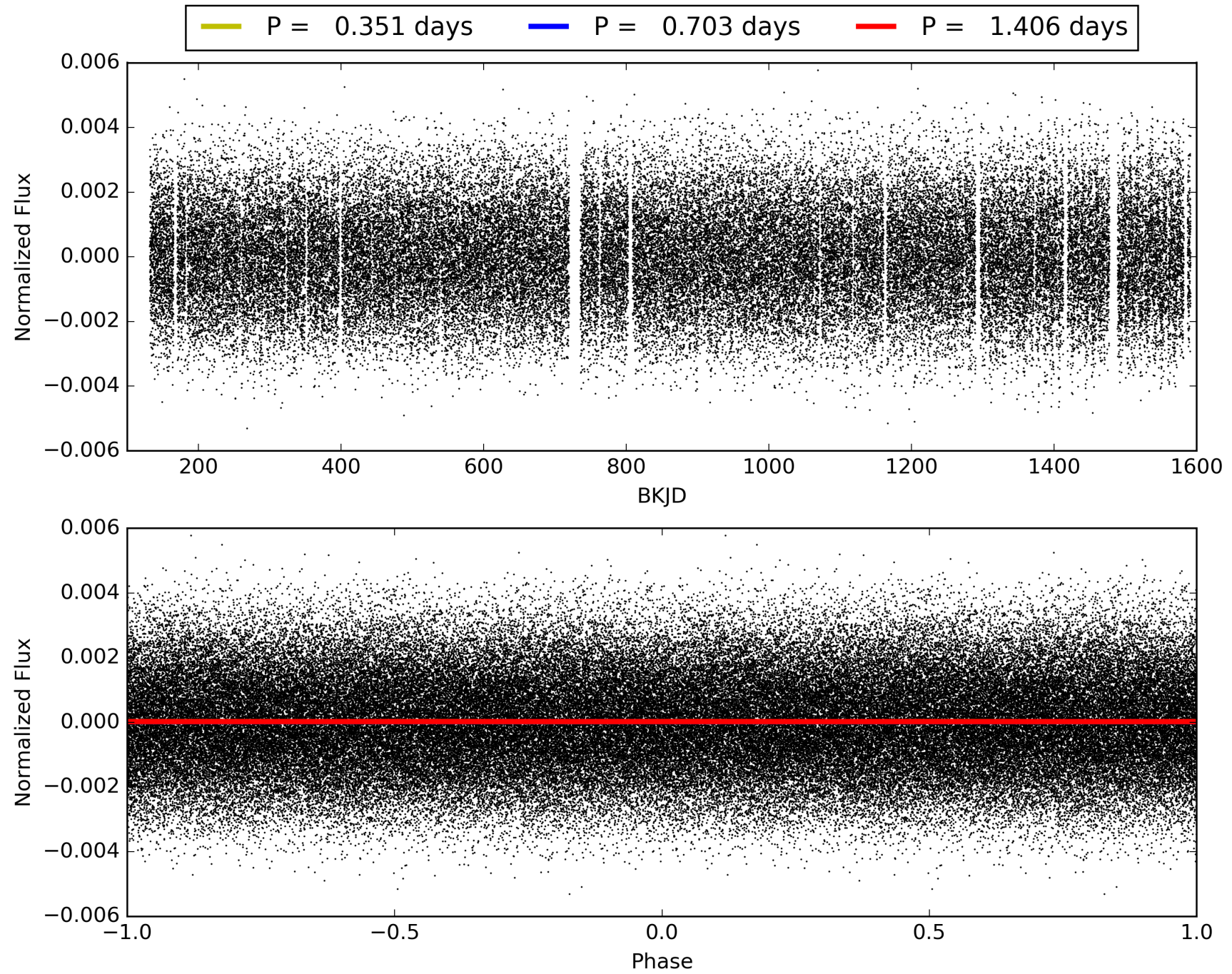
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 05:13:54 Z

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

TCE 007755932-01, PDC Light Curves

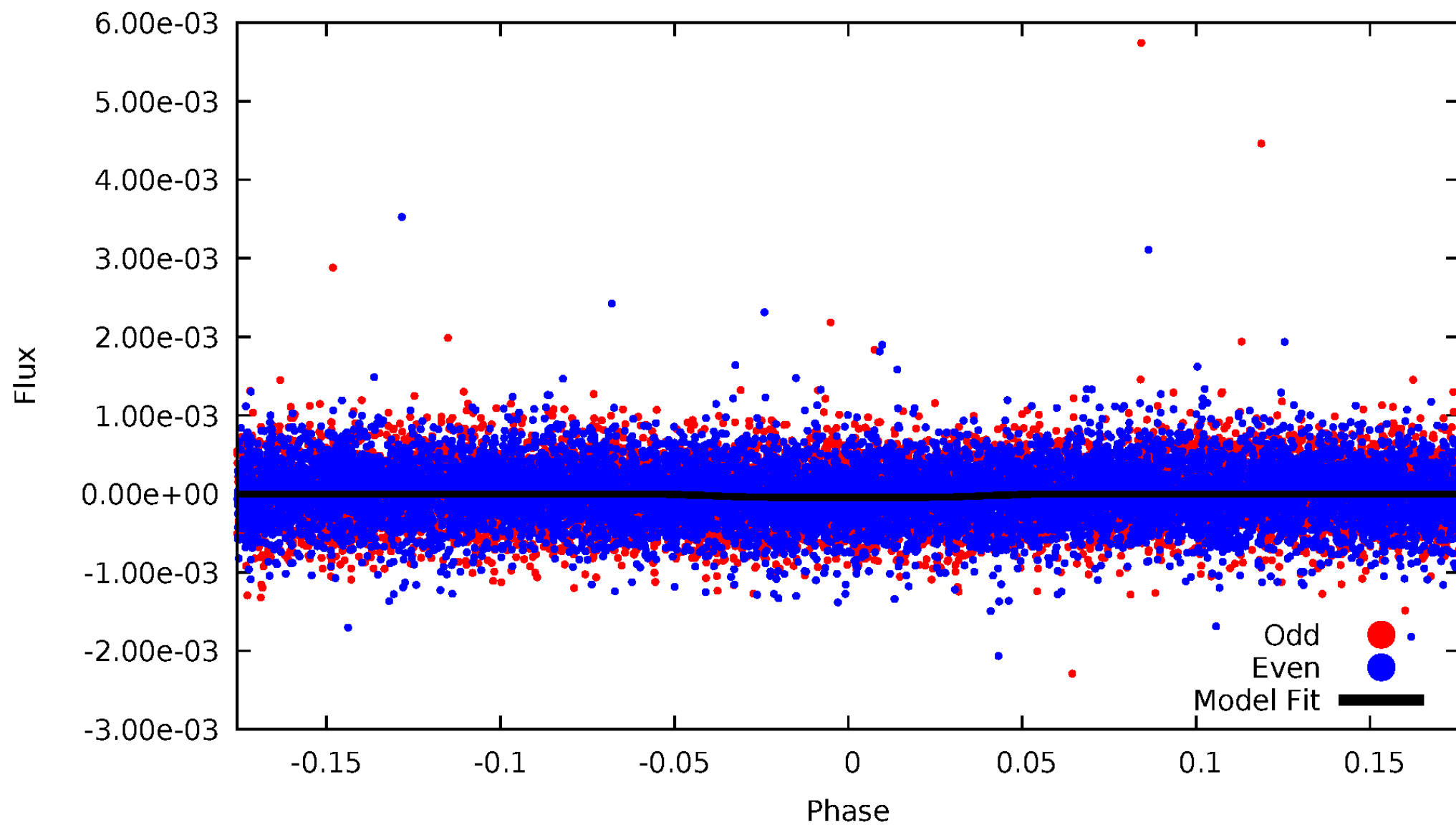


TCE 007755932-01



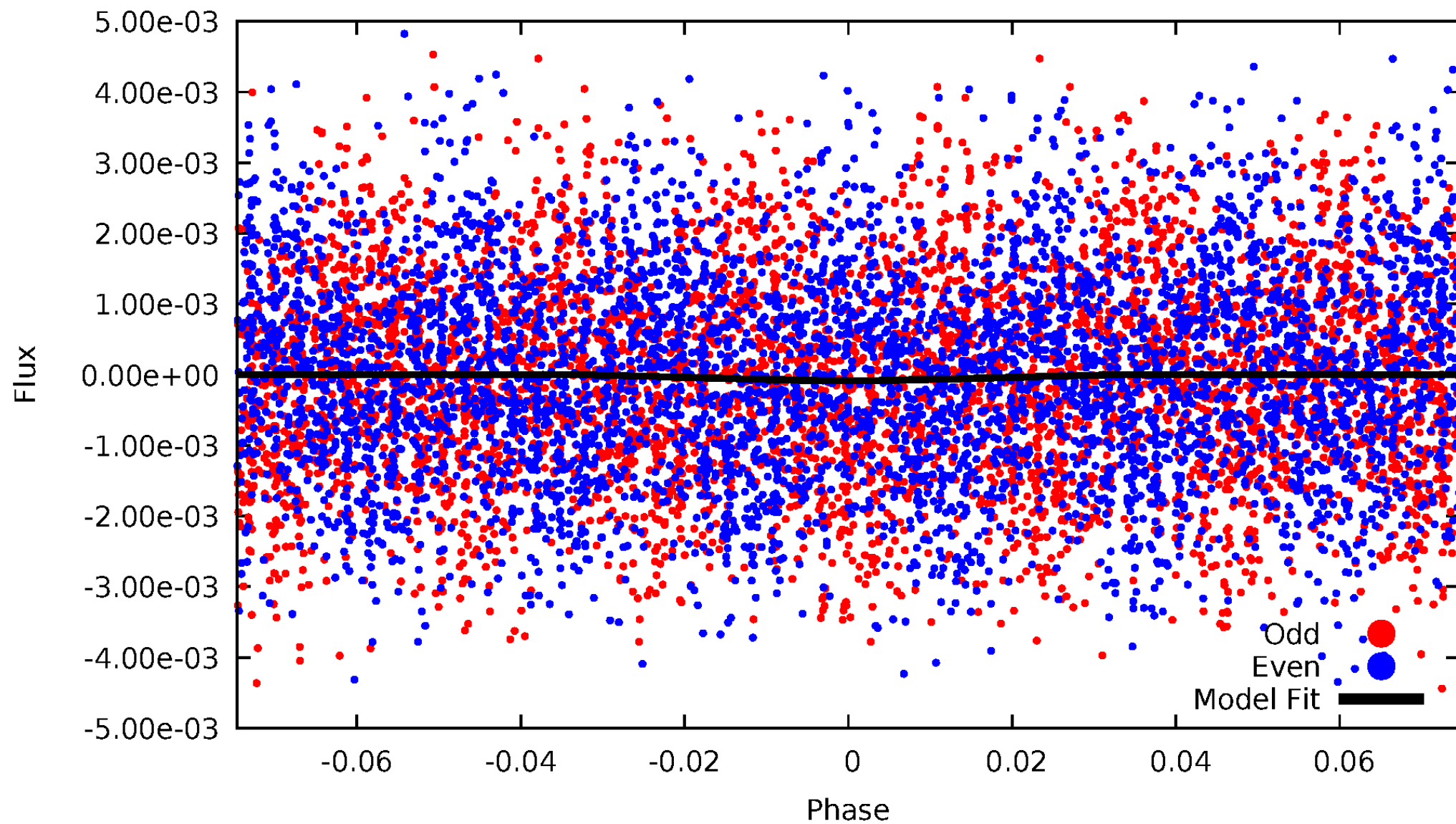
DV Odd/Even

TCE 007755932-01



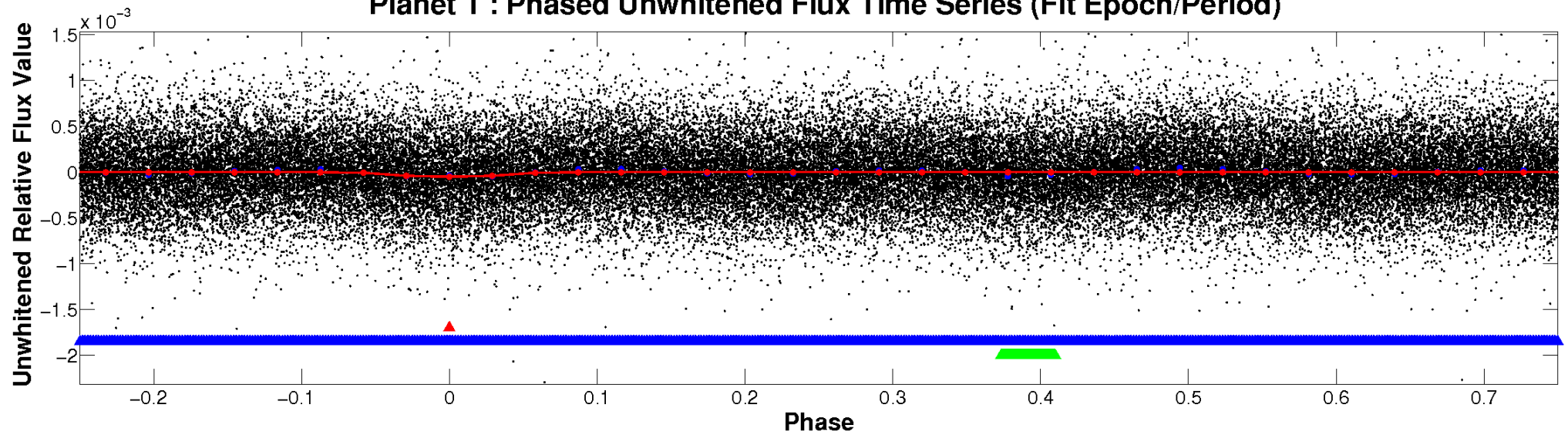
ALT Odd/Even

TCE 007755932-01

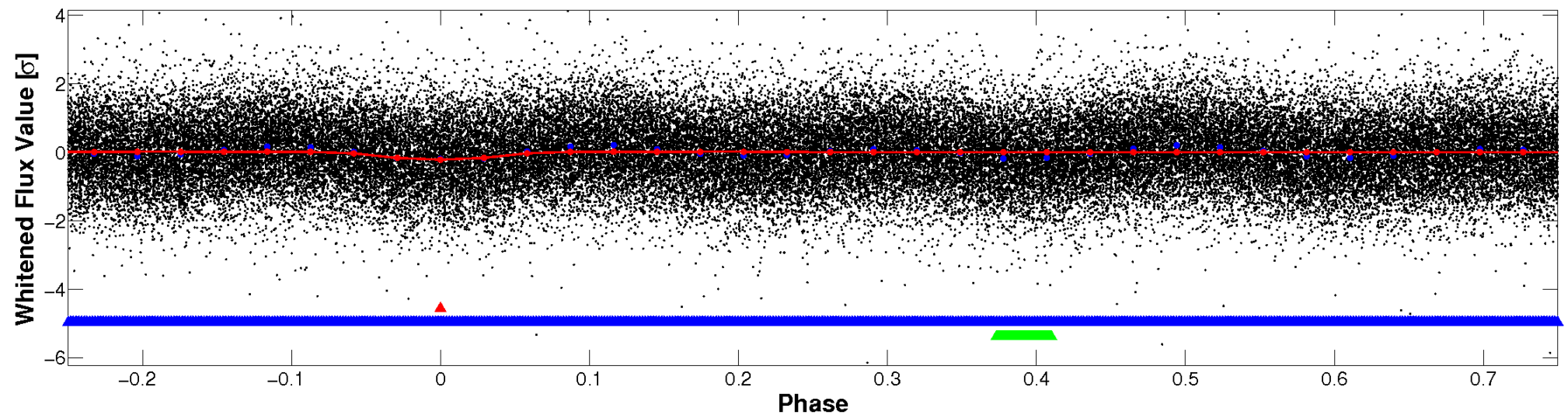


Non-Whitened Vs. Whitened Light Curve

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

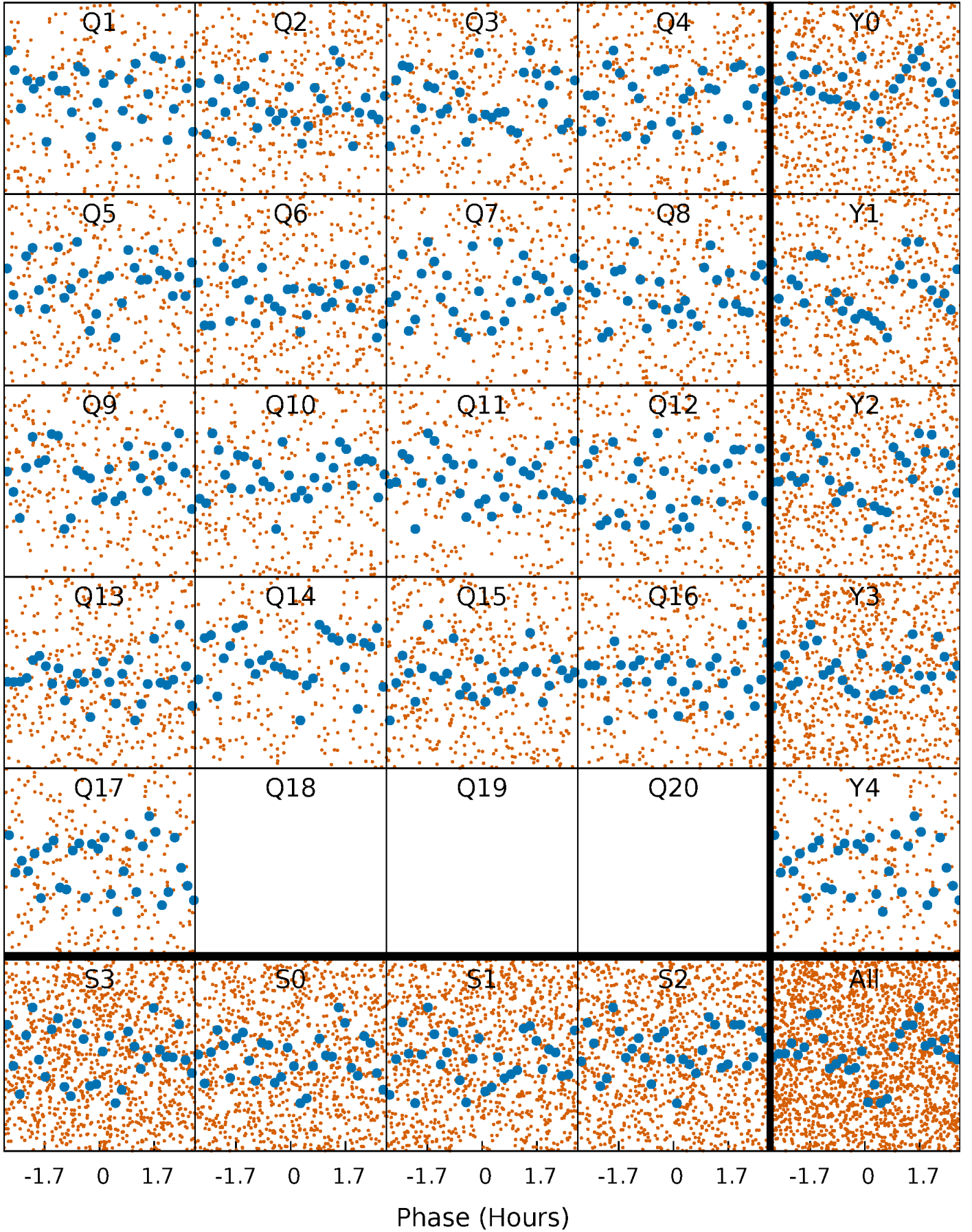


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



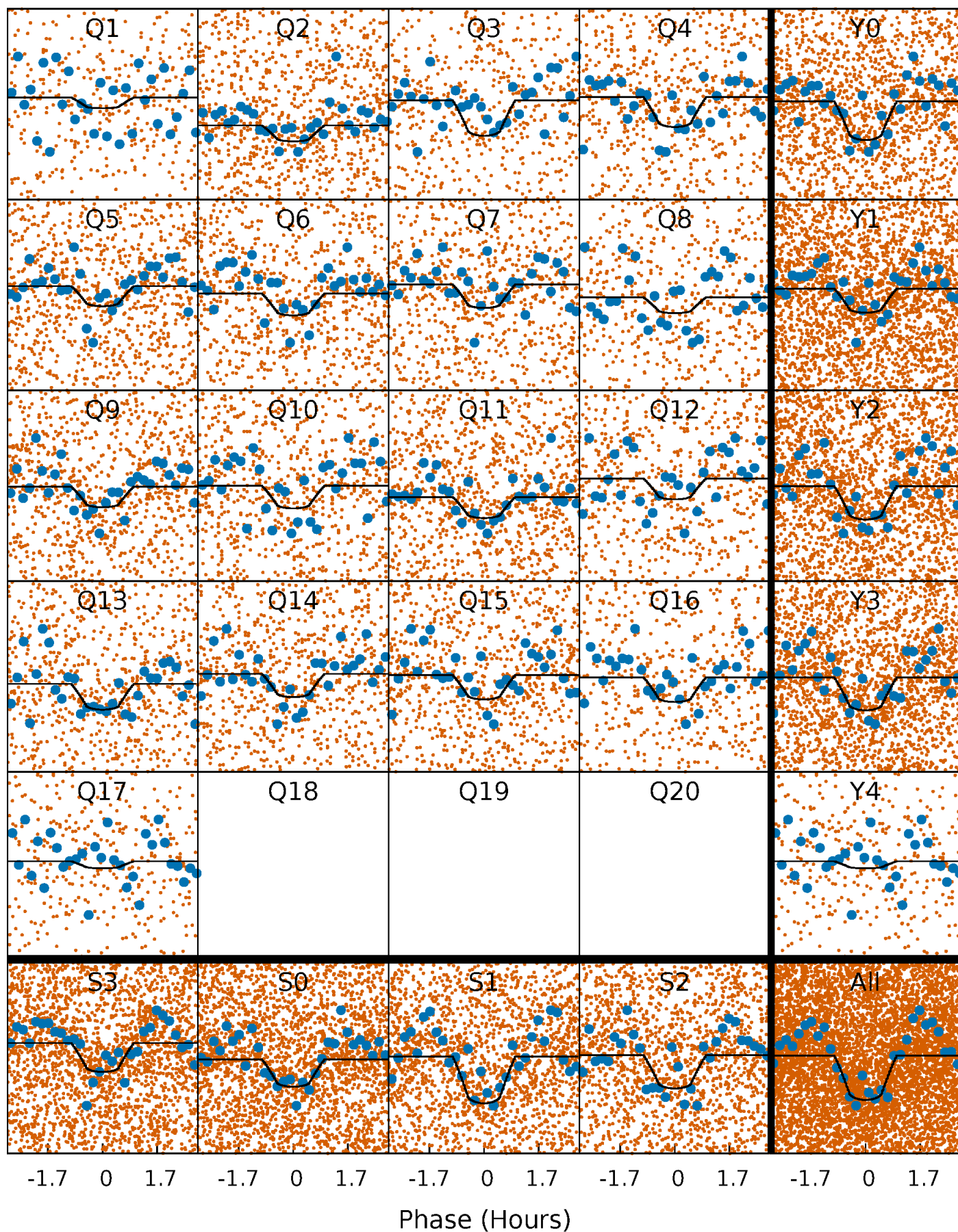
PDC Quarter-Phased Transit Curves

TCE 007755932-01 P= 0.702920 Days $T_0=132.141105$ (BKJD)



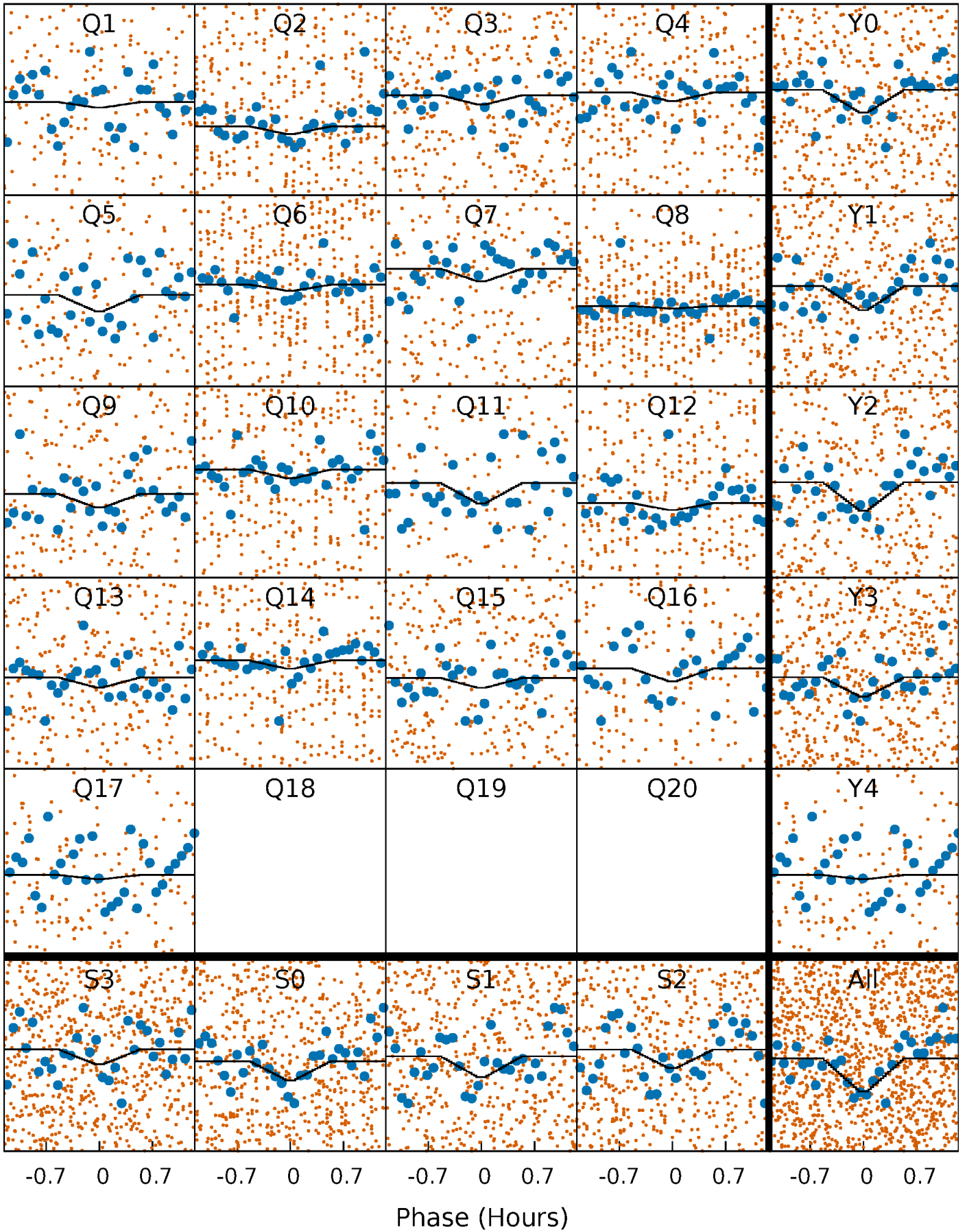
DV Quarter-Phased Transit Curves

TCE 007755932-01 P= 0.702920 Days $T_0=132.141105$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

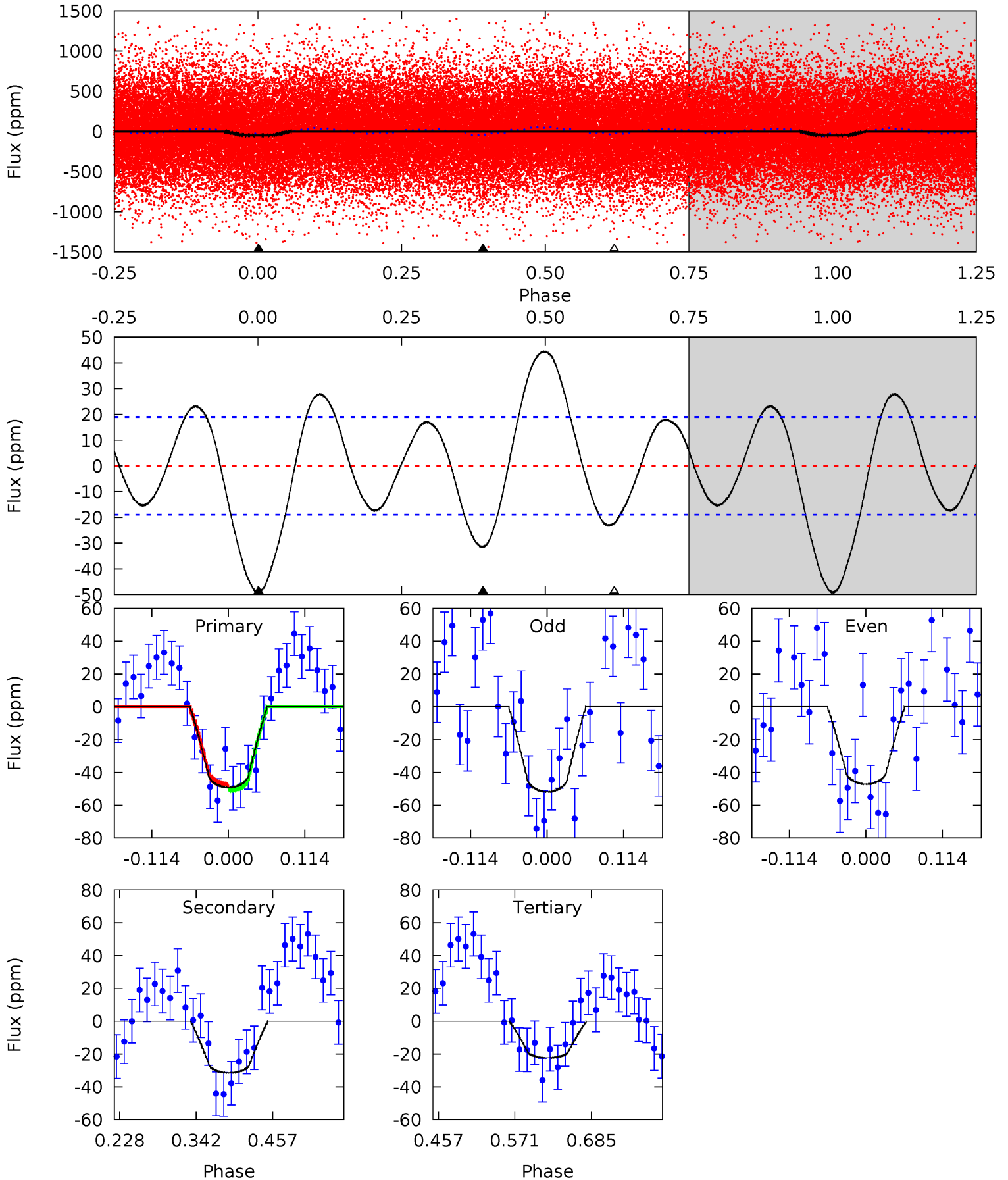
TCE 007755932-01 P= 0.702920 Days $T_0=132.157511$ (BKJD)



DV Model-Shift Uniqueness Test

007755932-01, P = 0.702920 Days, E = 131.438185 Days

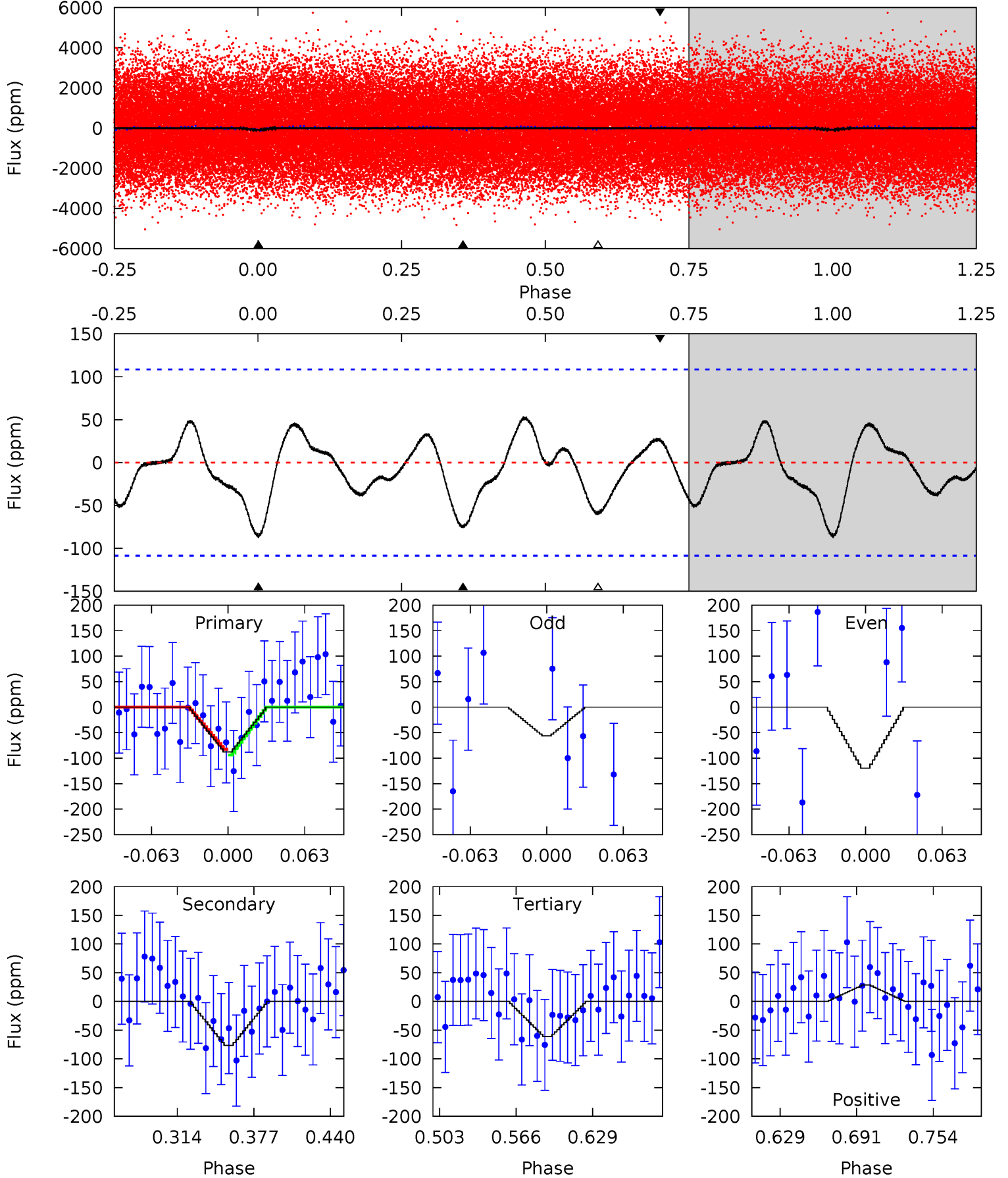
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.8	7.54	5.34	0	4.54	1.58	3.82	6.43	11.8	2.20	7.54	0.56	0.91	0.47	0.37



Alt Model-Shift Uniqueness Test

007755932-01, P = 0.702920 Days, E = 131.454591 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.78	3.29	2.63	1.23	4.66	1.86	1.14	1.15	2.55	0.66	2.06	1.36	0.71	0.38	0.24



Stellar Parameters For KIC 007755932

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7691^{+213}_{-320}	$3.719^{+0.416}_{-0.073}$	$-0.040^{+0.200}_{-0.350}$	$3.163^{+0.456}_{-1.458}$	$1.912^{+0.104}_{-0.415}$	$0.085^{+0.302}_{-0.020}$
	+3%/-4%	+11%/-2%	+500%/-875%	+14%/-46%	+5%/-22%	+355%/-23%
Source	KIC0	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 007755932-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-32 ± 4	$2.56^{+2.61}_{-1.67}$	5847^{+414}_{-665}	5410^{+6549}_{-9005}	$0.930^{+7.013}_{-0.696}$
Alt.	-77 ± 23	$3.30^{+2.82}_{-2.04}$	5897^{+398}_{-708}	6391^{+6337}_{-2512}	$1.385^{+8.406}_{-0.992}$

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 $A_{obs} \gg 1.0$

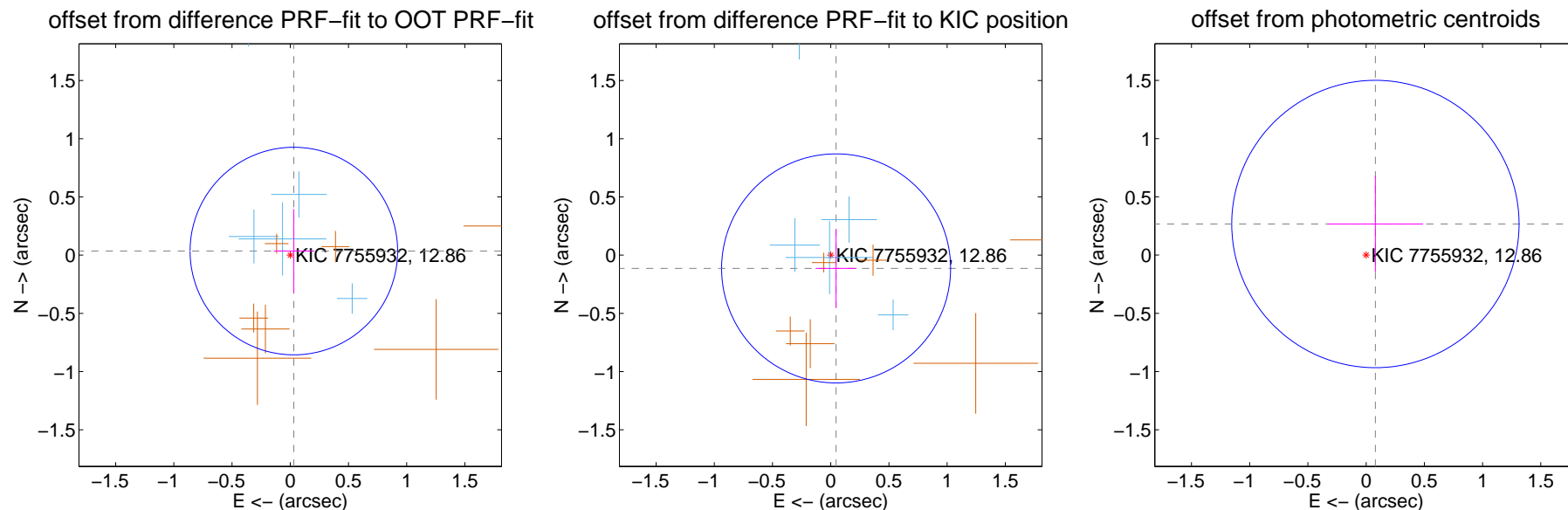
DV Centroid Data

Supplemental centroid analysis for 007755932-01. Kepler magnitude: 12.86. Transit SNR 13.76

There are 5 quarters with good PRF difference image offsets

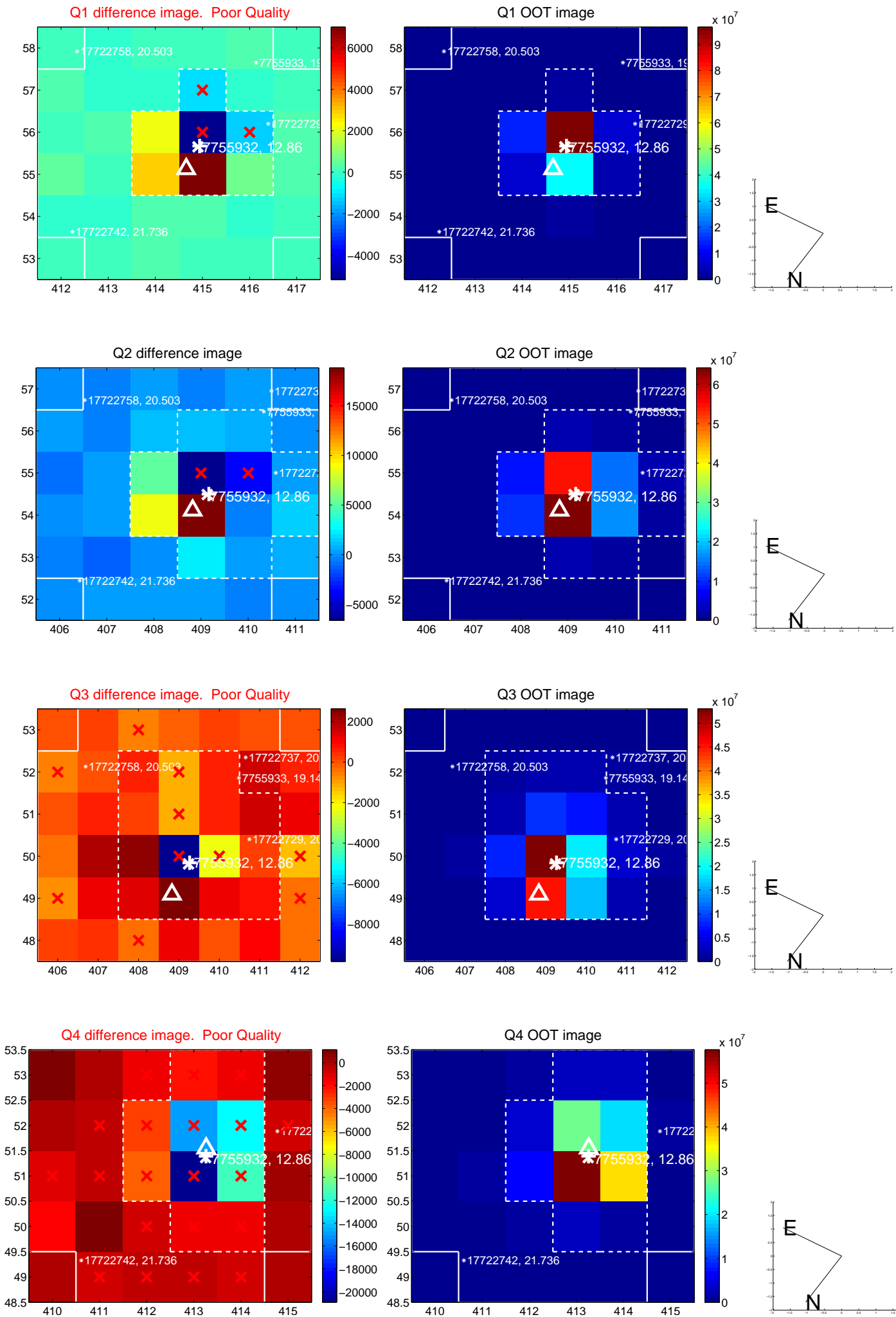
The direct PRF centroid is offset from the target star catalog position by about 0.23 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.047 ± 0.297	0.16	-0.031 ± 0.172	0.035 ± 0.360
PRF-fit source offset from KIC position	0.123 ± 0.328	0.37	-0.046 ± 0.176	-0.114 ± 0.338
photometric centroid source offset	0.28 ± 0.41	0.68	-0.08 ± 0.41	0.27 ± 0.41

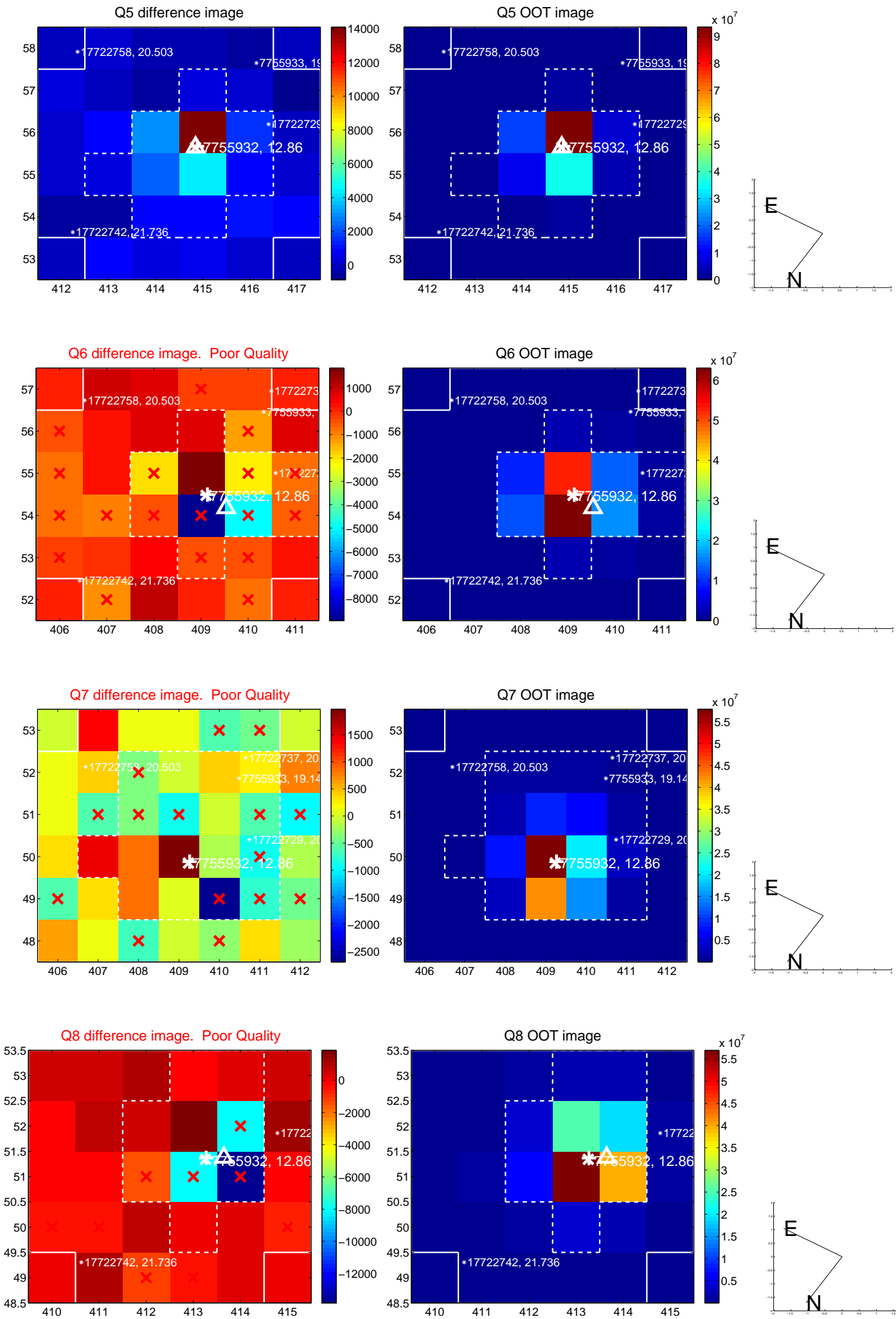


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

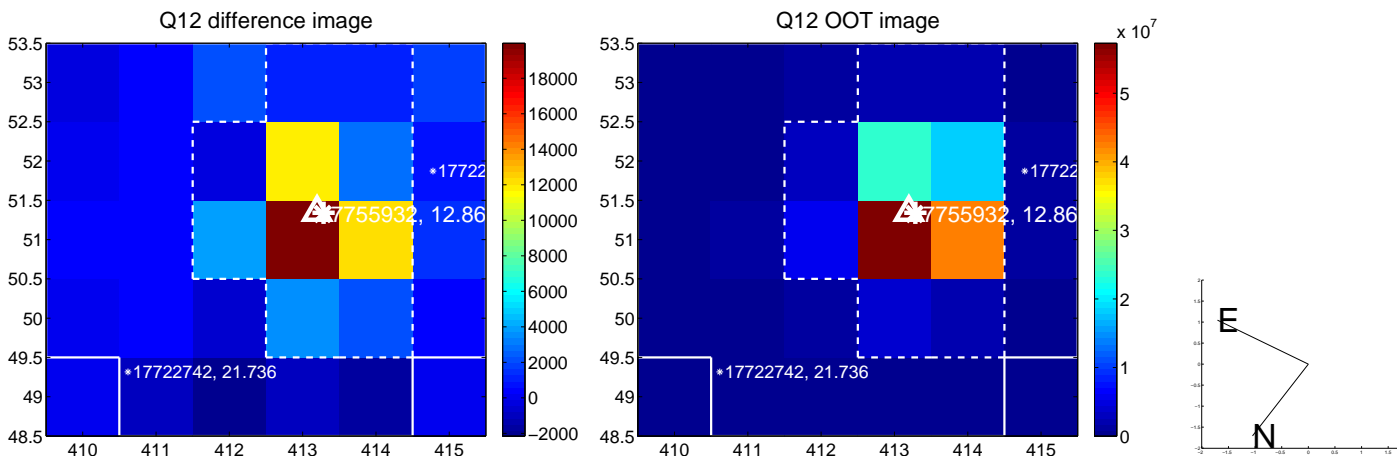
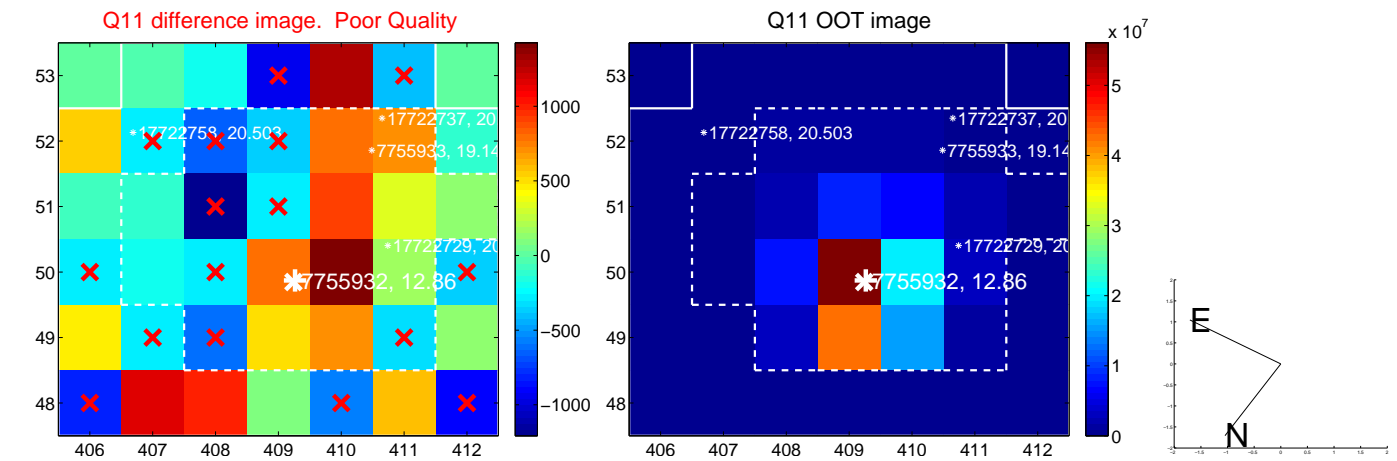
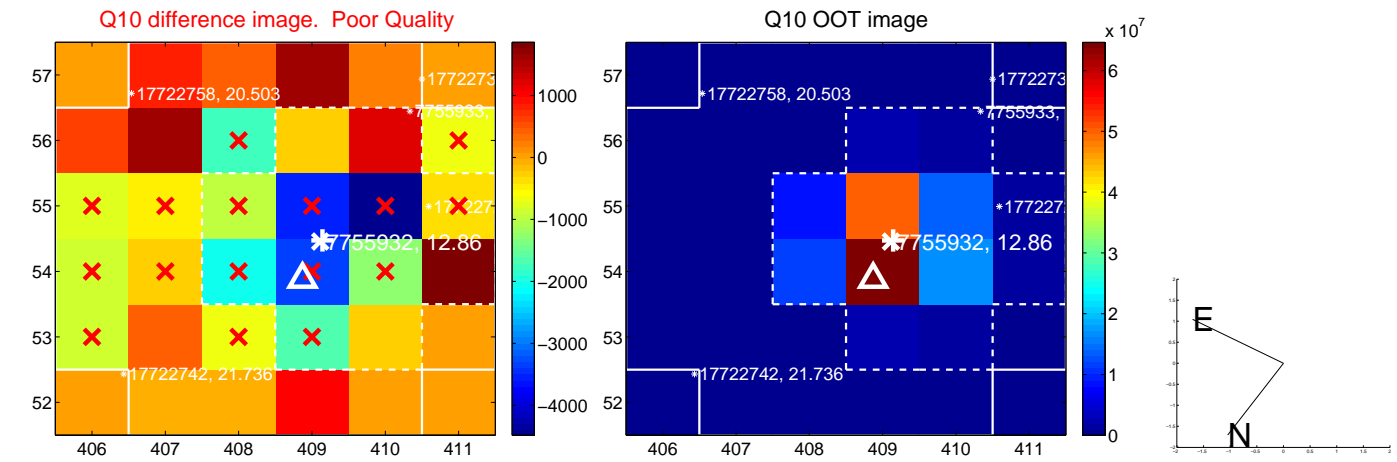
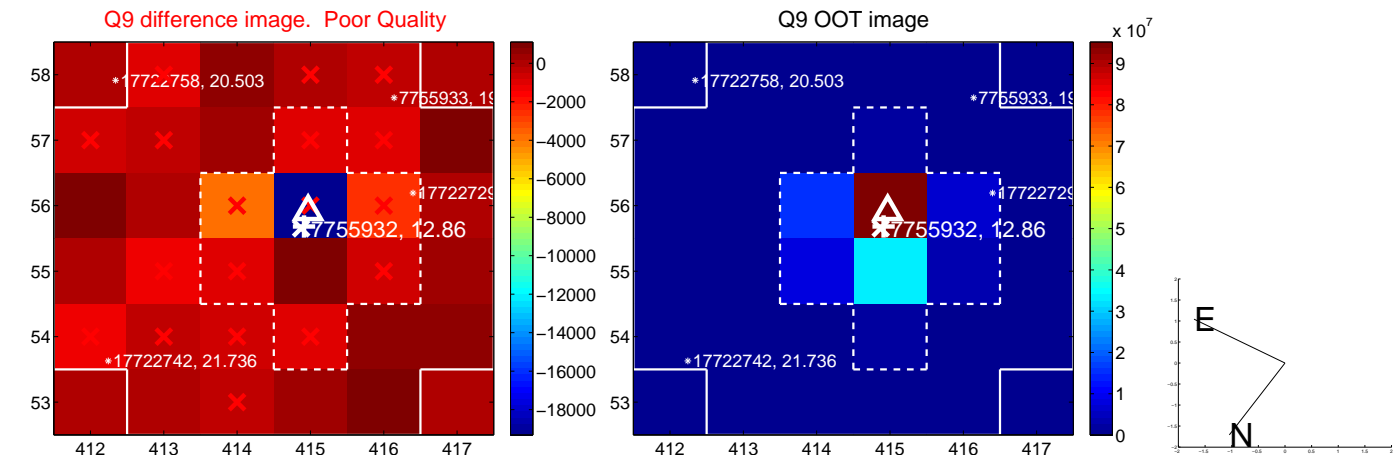
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



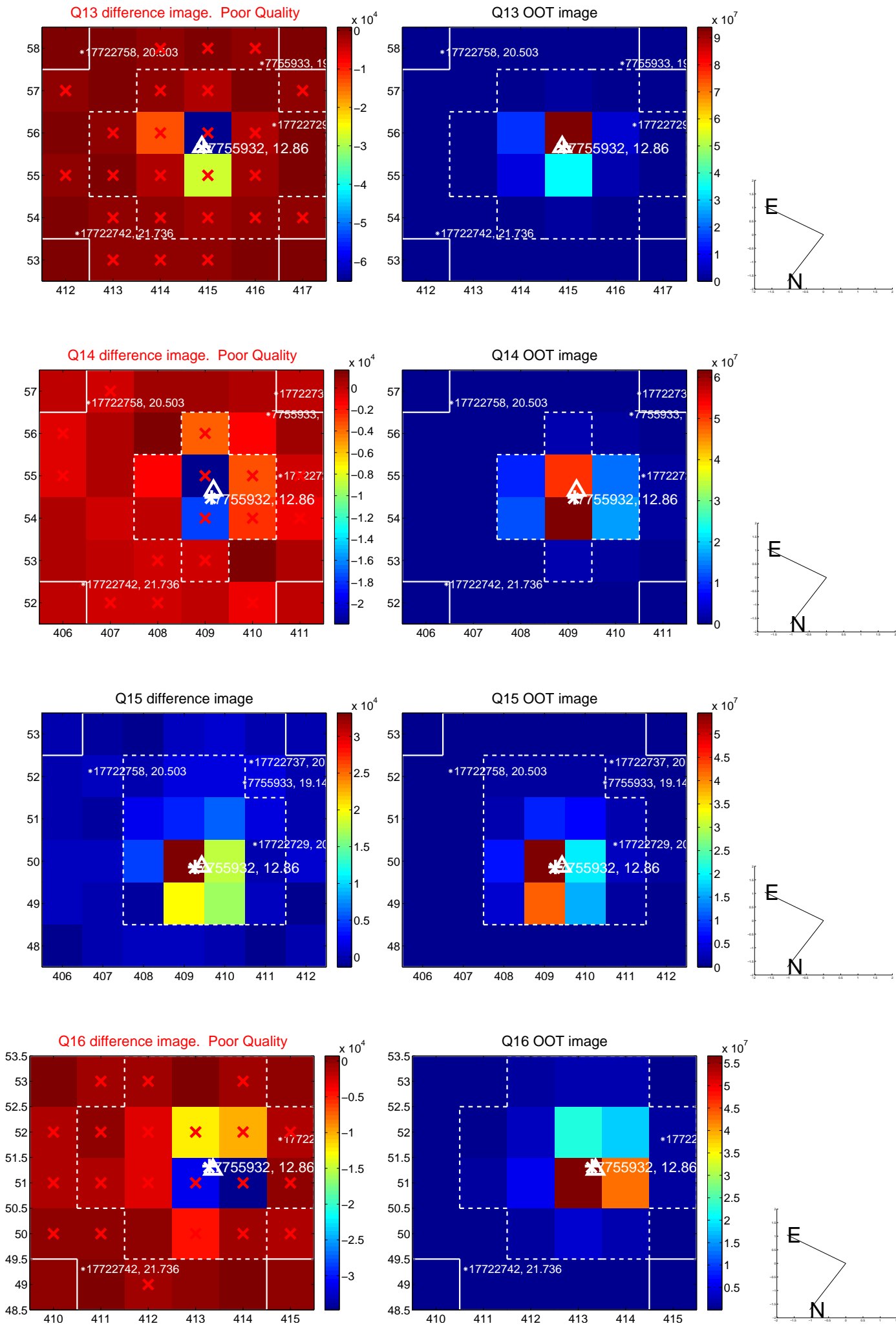
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



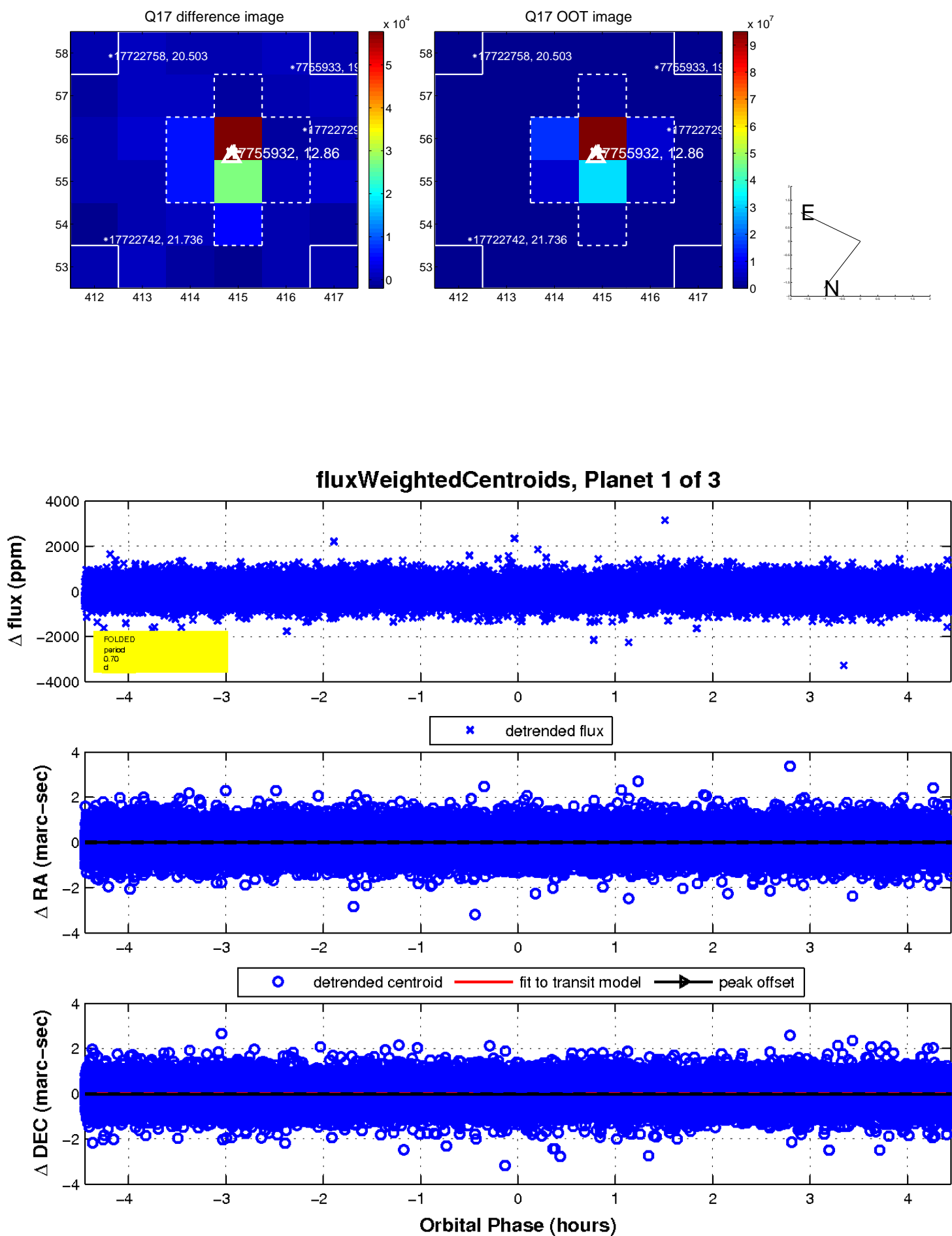
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

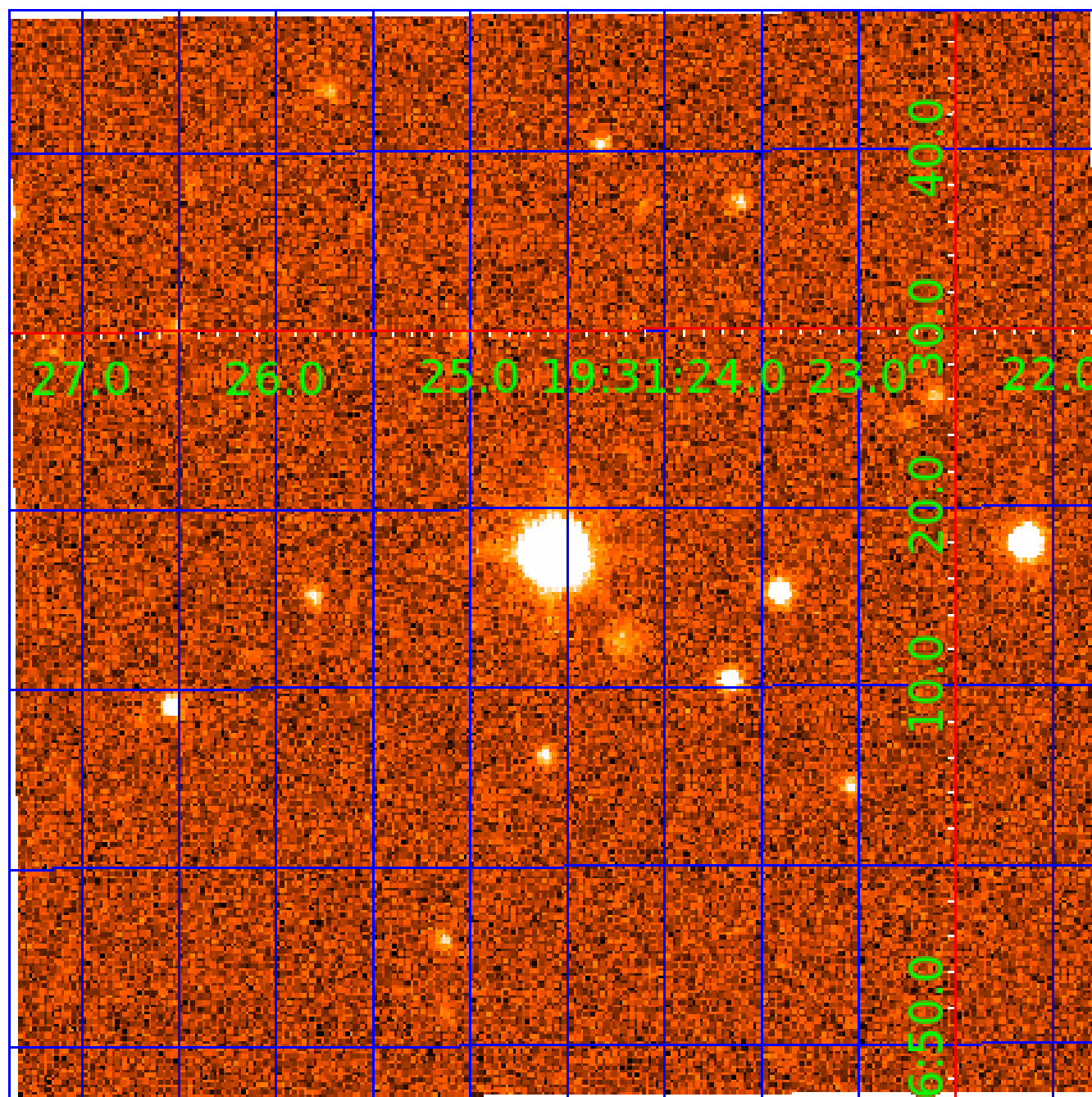


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 007755932

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})
007755932-01	OBS	No	0.702920	132.141105	48.2	1.482	12.7	13.8	3.16	7691	2.23	85051.85
007755932-02	OBS	No	0.548714	131.893549	42.8	1.586	9.1	10.9	3.16	7691	2.42	118330.45
007755932-03	OBS	No	0.702933	131.700484	46.2	1.268	7.2	8.1	3.16	7691	2.51	85049.83

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007755932-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
007755932-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
007755932-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD

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

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

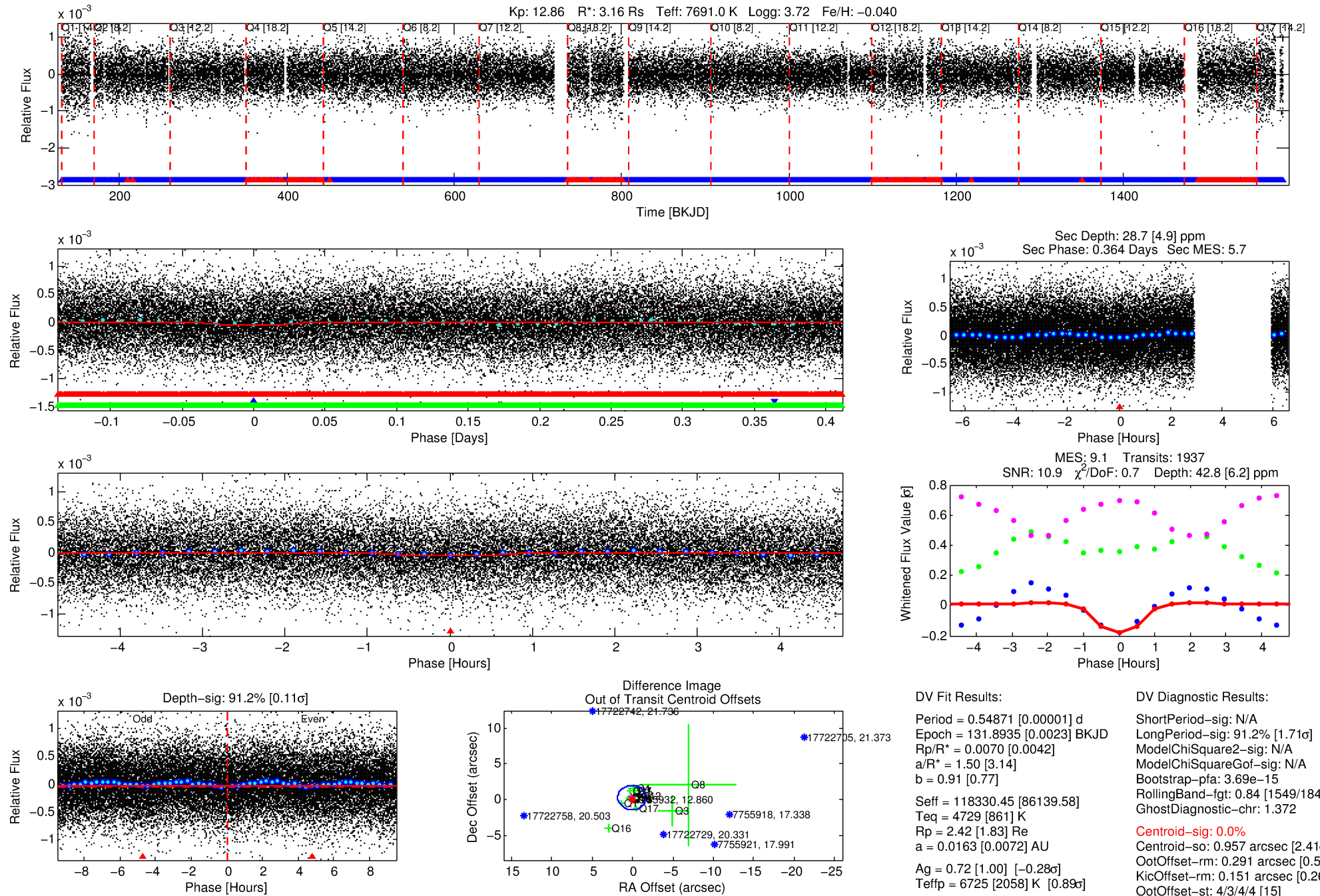
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007755932-02

No Significant Match Found

DV One-Page Summary

KIC: 7755932 Candidate: 2 of 3 Period: 0.549 d



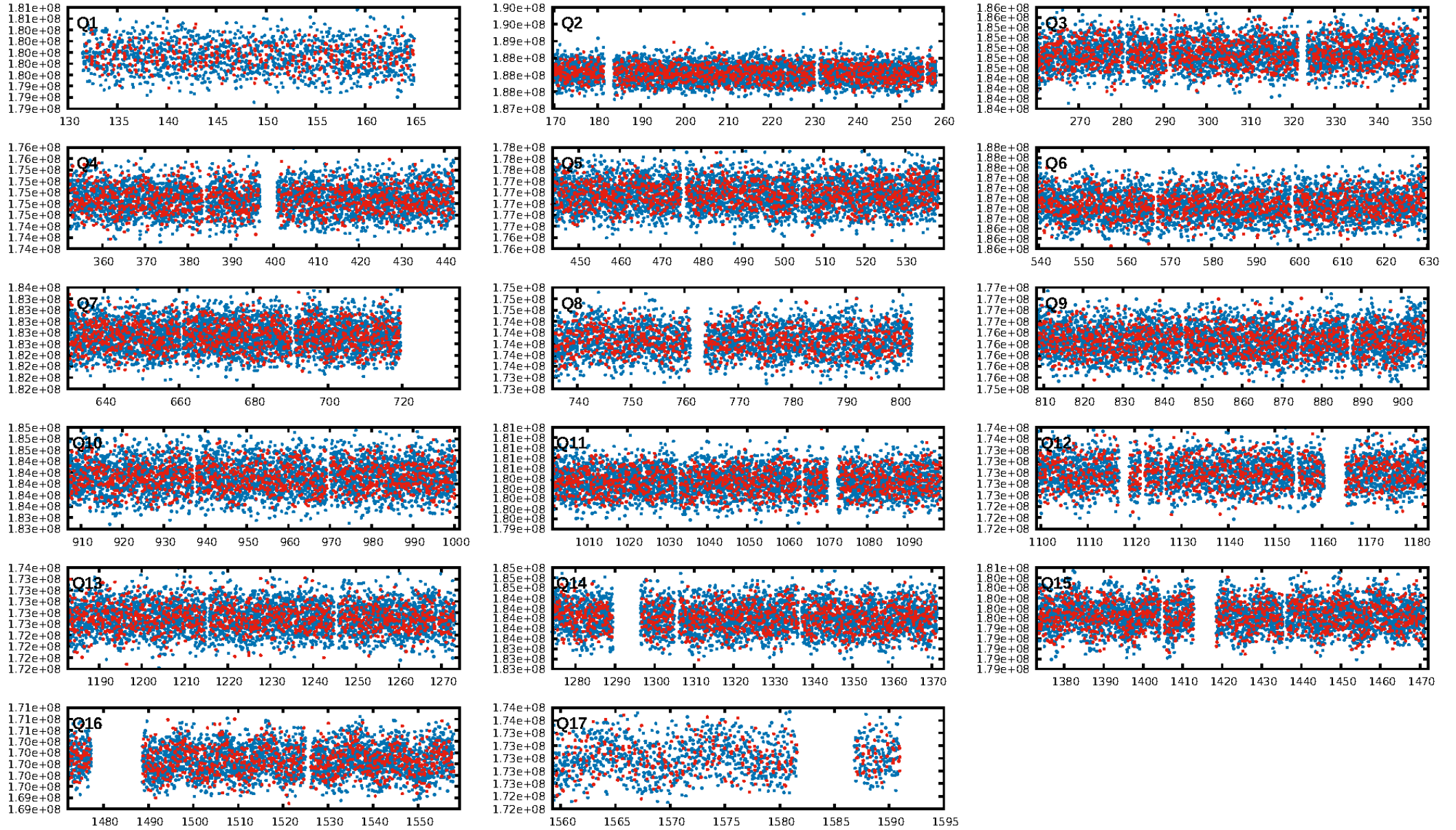
DV Fit Results:

Period = 0.54871 [0.00001] d
Epoch = 131.8935 [0.0023] BKJD
Rp/R* = 0.0070 [0.0042]
a/R* = 1.50 [3.14]
b = 0.91 [0.77]
Seff = 118330.45 [86139.58]
Teff = 4729 [861] K
Rp = 2.42 [1.83] Re
a = 0.0163 [0.0072] AU
Ag = 0.72 [1.00] [-0.28 σ]
Teffp = 6725 [2058] K [0.89 σ]

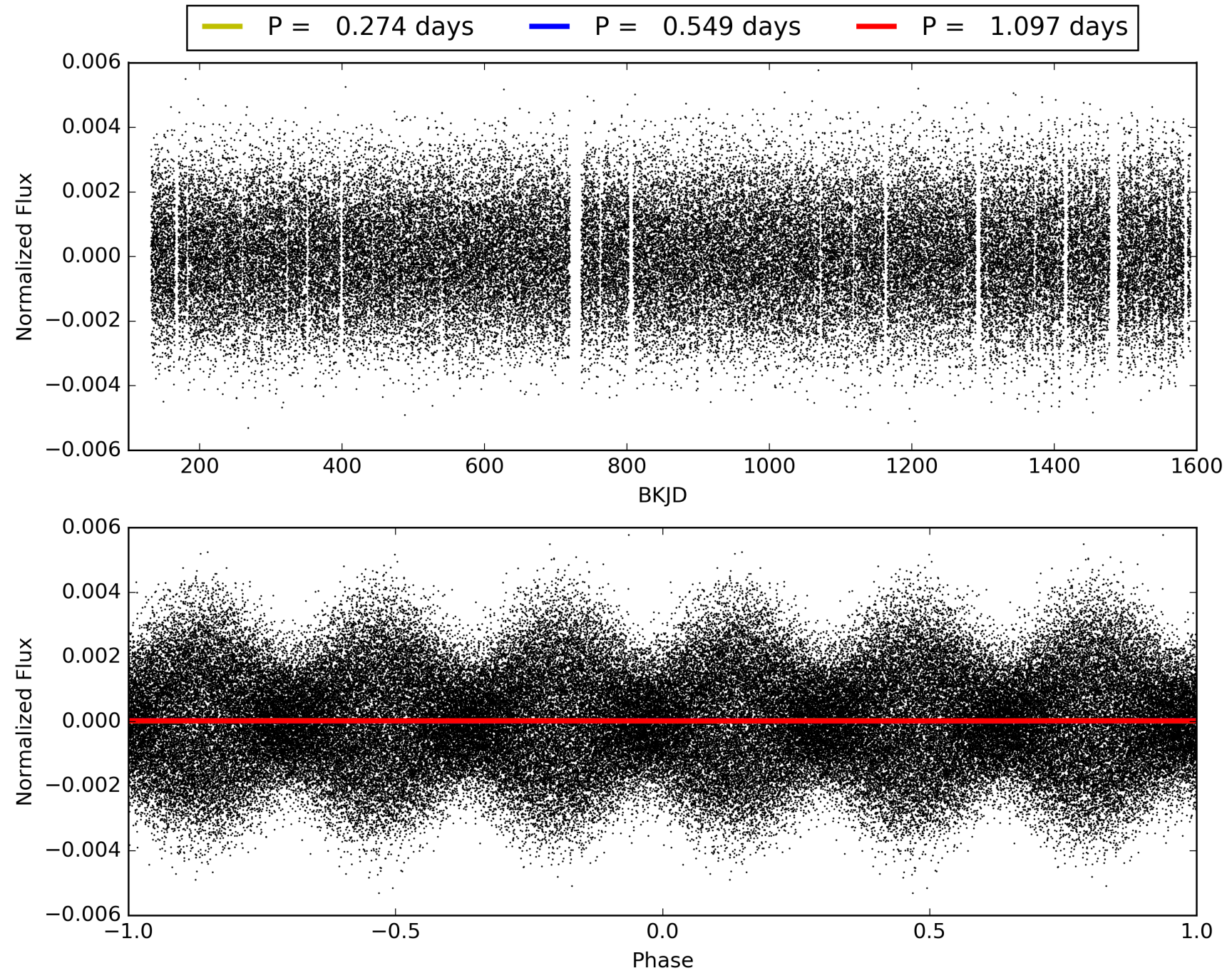
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 91.2% [1.71 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 3.69e-15
RollingBand-fgt: 0.84 [1549/1847]
GhostDiagnostic-chr: 1.372
Centroid-sig: 0.0%
Centroid-so: 0.957 arcsec [2.41 σ]
OotOffset-rm: 0.291 arcsec [0.51 σ]
KicOffset-rm: 0.151 arcsec [0.26 σ]
OotOffset-st: 4/3/4/4 [15]
KicOffset-st: 4/3/4/4 [15]
DiffImageQuality-fgm: 0.80 [12/15]
DiffImageOverlap-fno: 0.00 [0/17]

TCE 007755932-02, PDC Light Curves

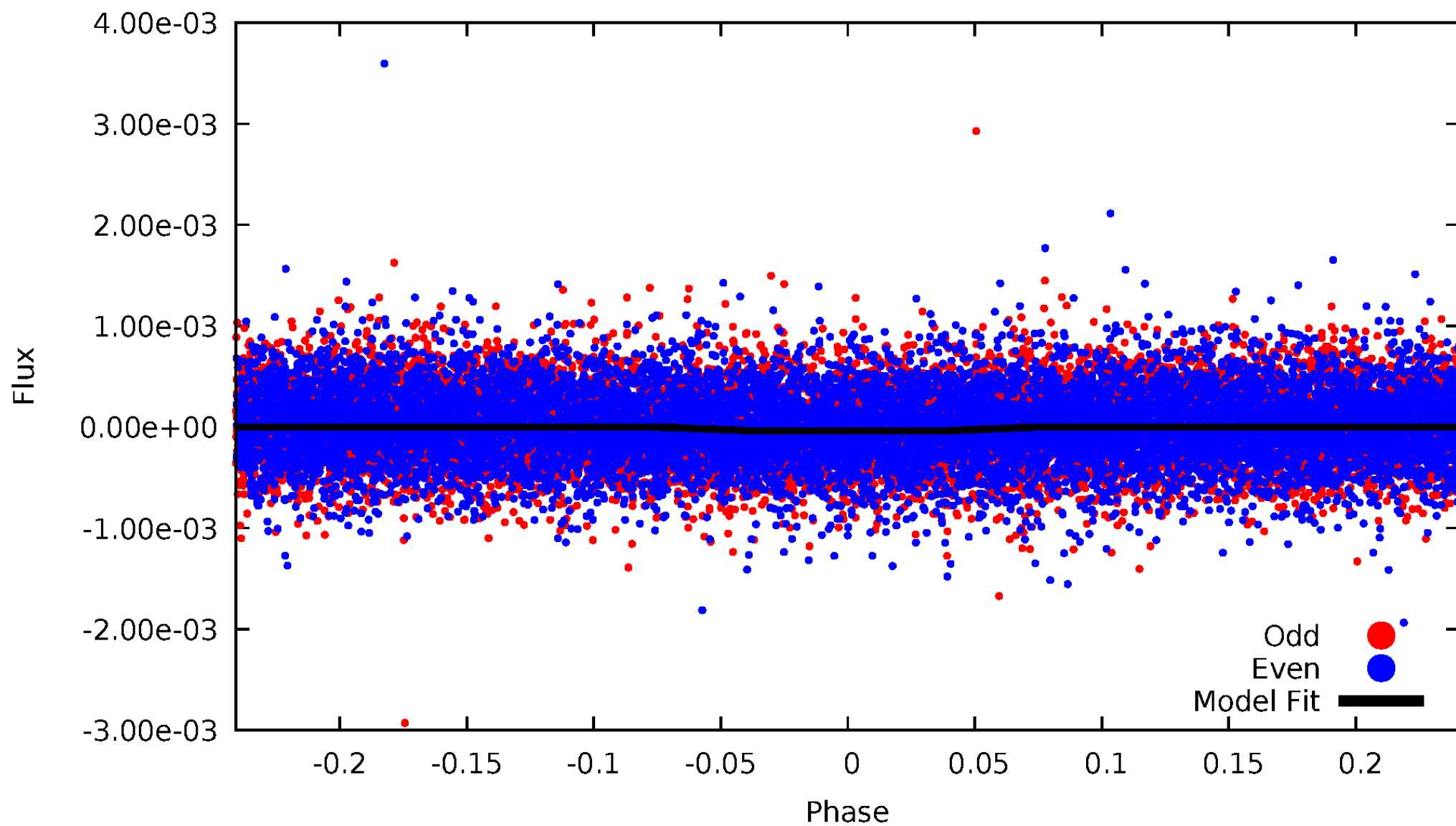


TCE 007755932-02



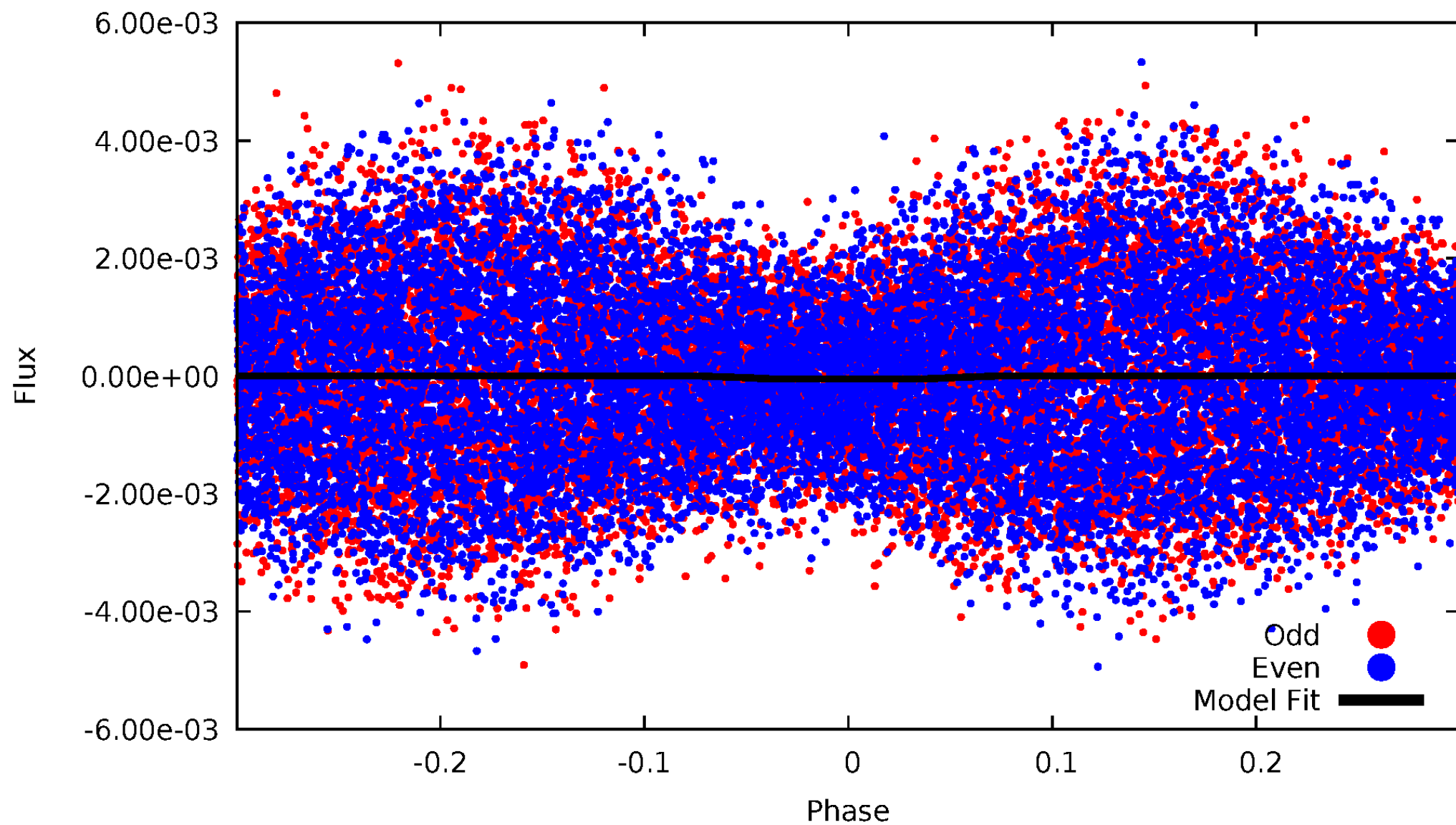
DV Odd/Even

TCE 007755932-02



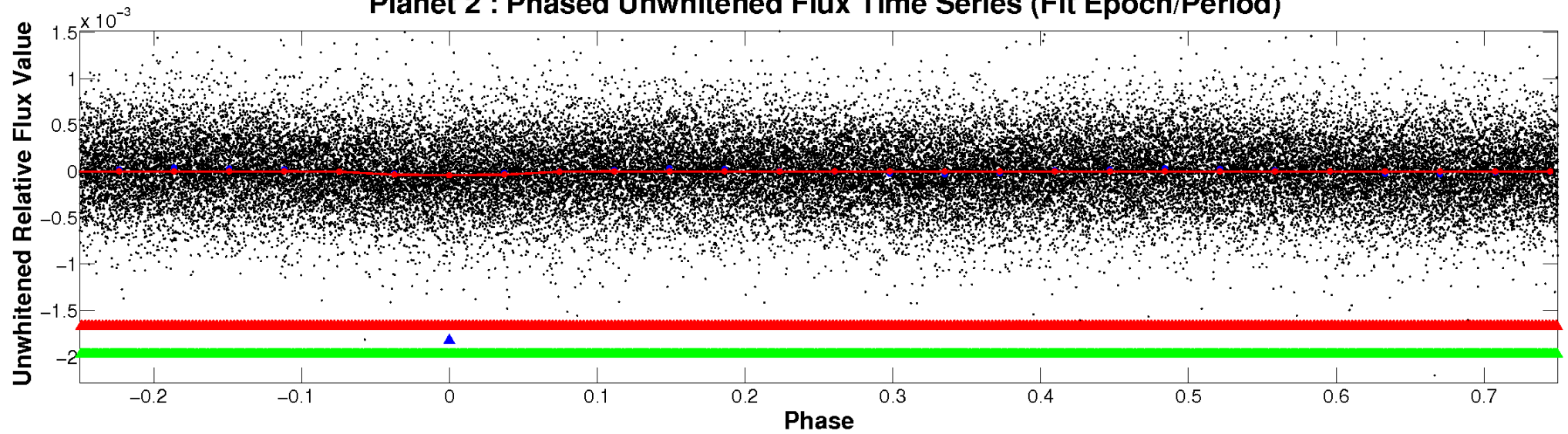
ALT Odd/Even

TCE 007755932-02

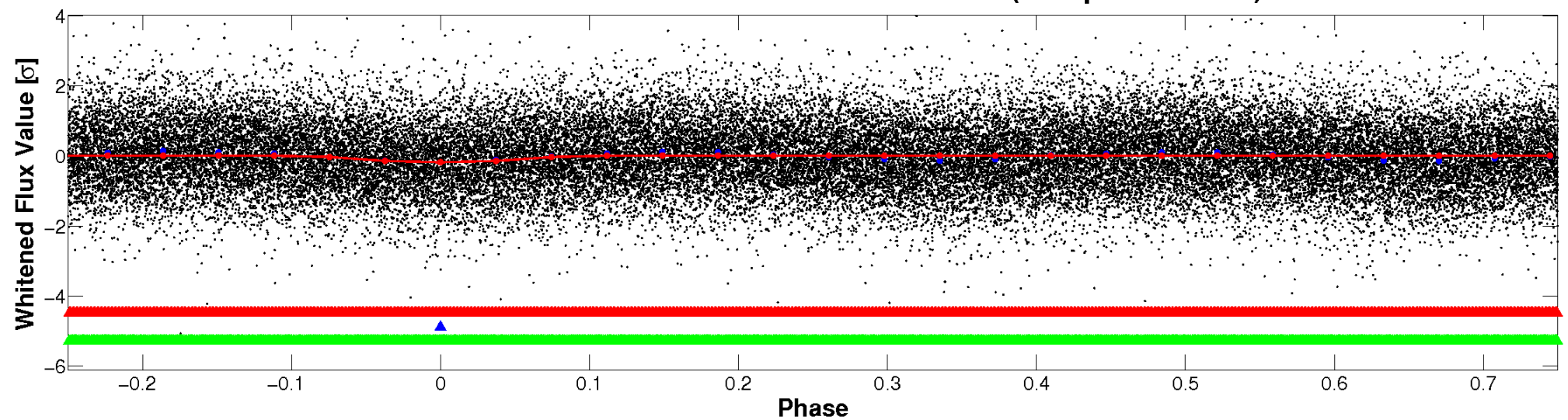


Non-Whitened Vs. Whitened Light Curve

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

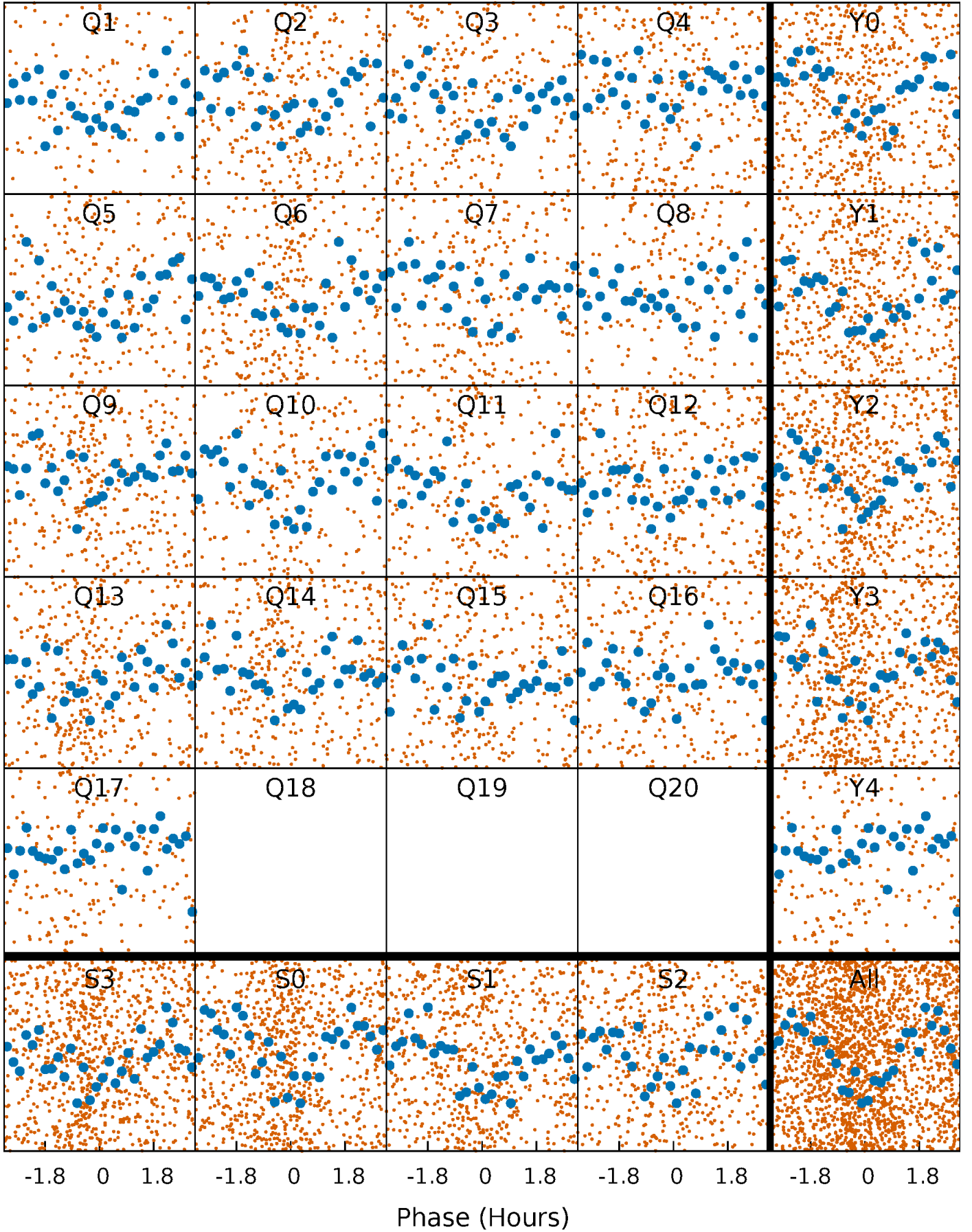


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



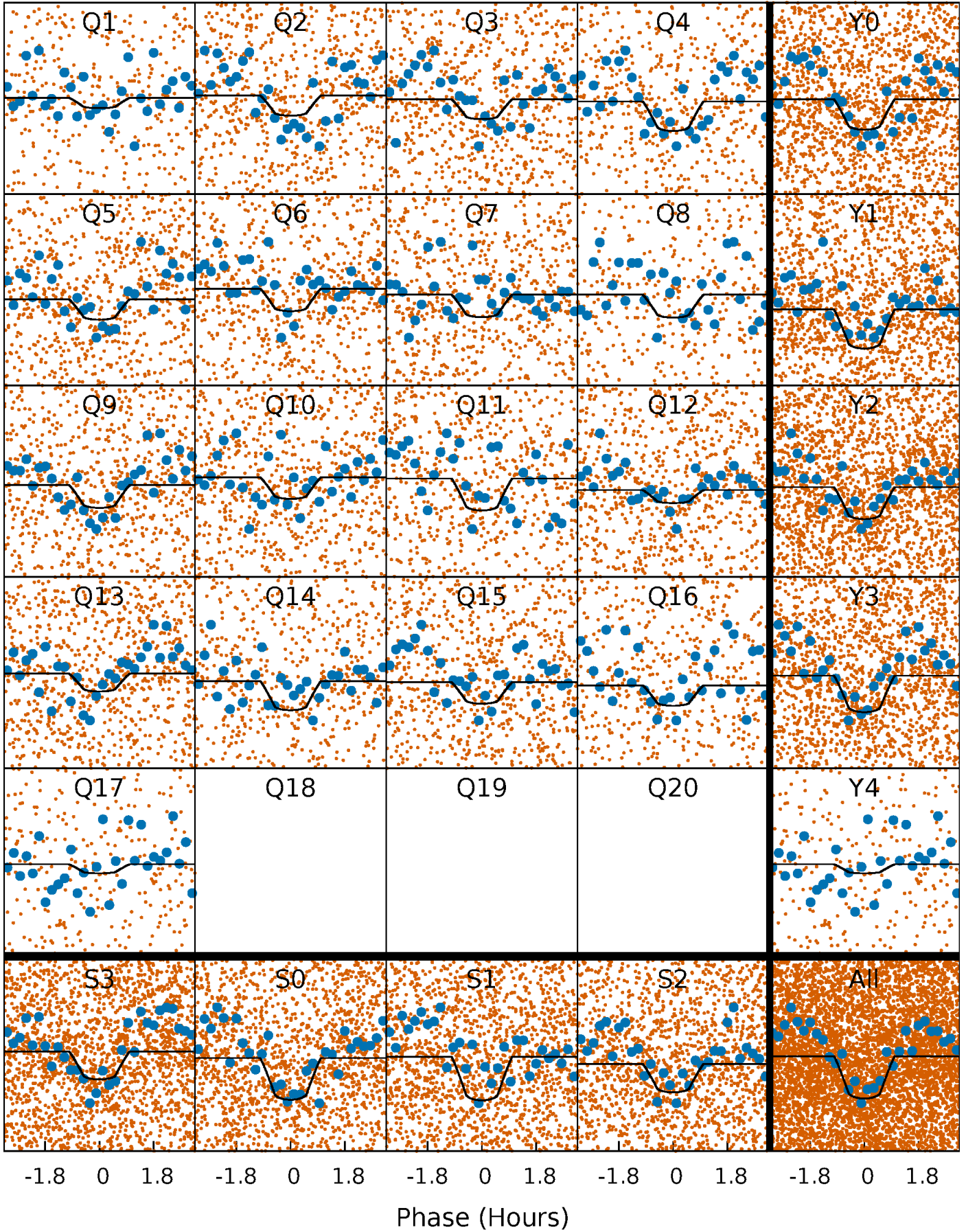
PDC Quarter-Phased Transit Curves

TCE 007755932-02 $P = 0.548714$ Days $T_0 = 131.893549$ (BKJD)



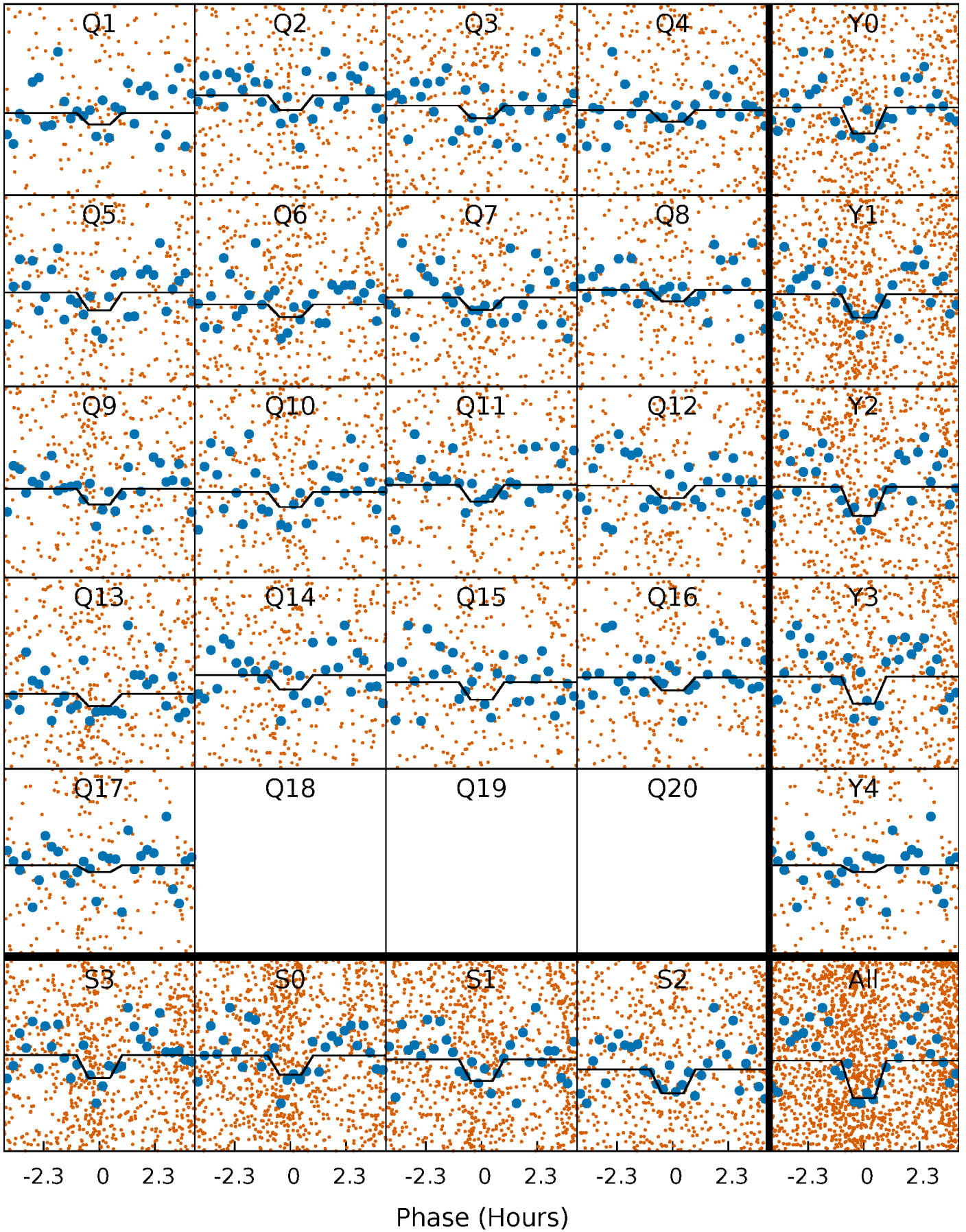
DV Quarter-Phased Transit Curves

TCE 007755932-02 P= 0.548714 Days $T_0=131.893549$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

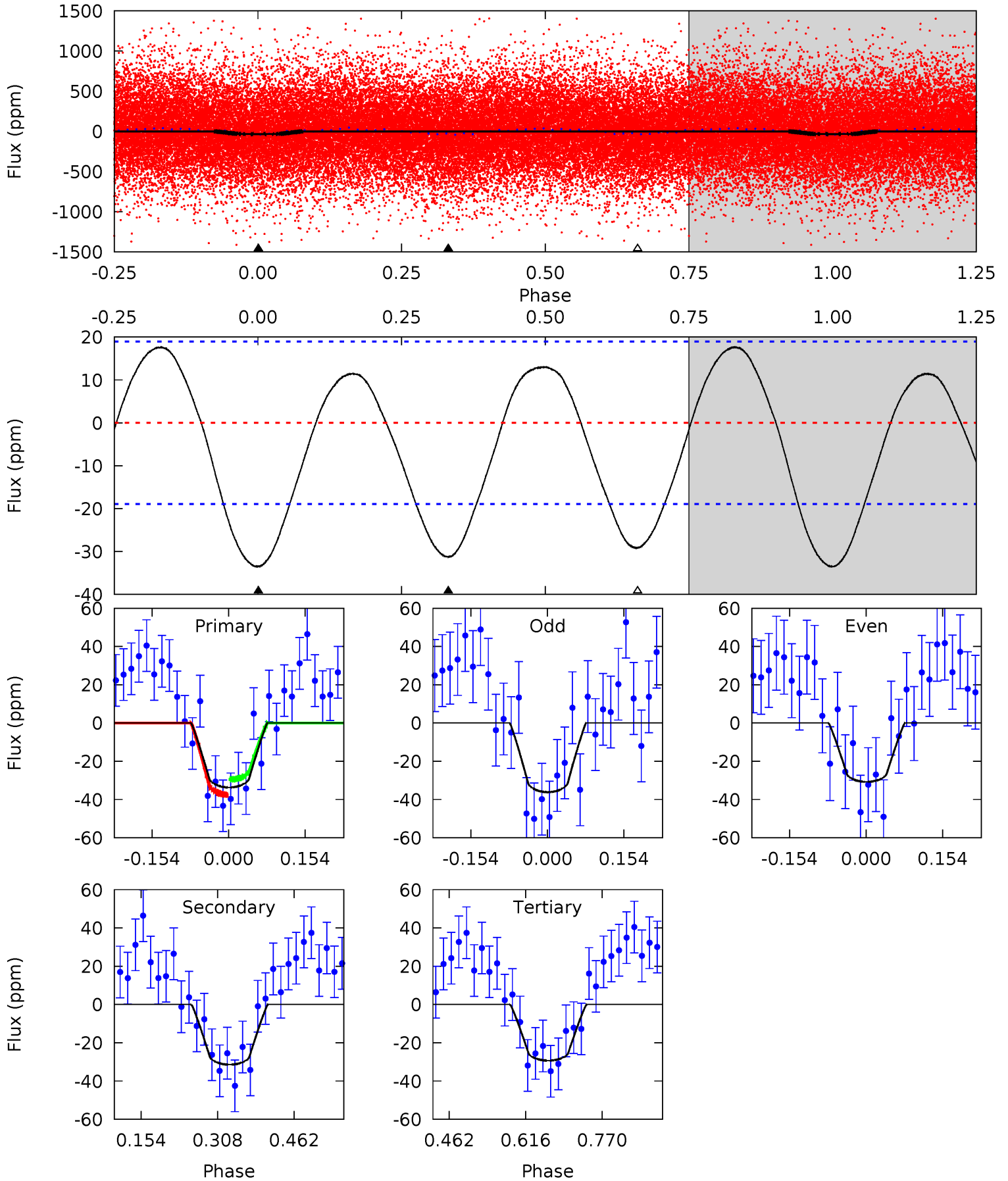
TCE 007755932-02 P= 0.548709 Days $T_0=131.898931$ (BKJD)



DV Model-Shift Uniqueness Test

007755932-02, P = 0.548714 Days, E = 131.344835 Days

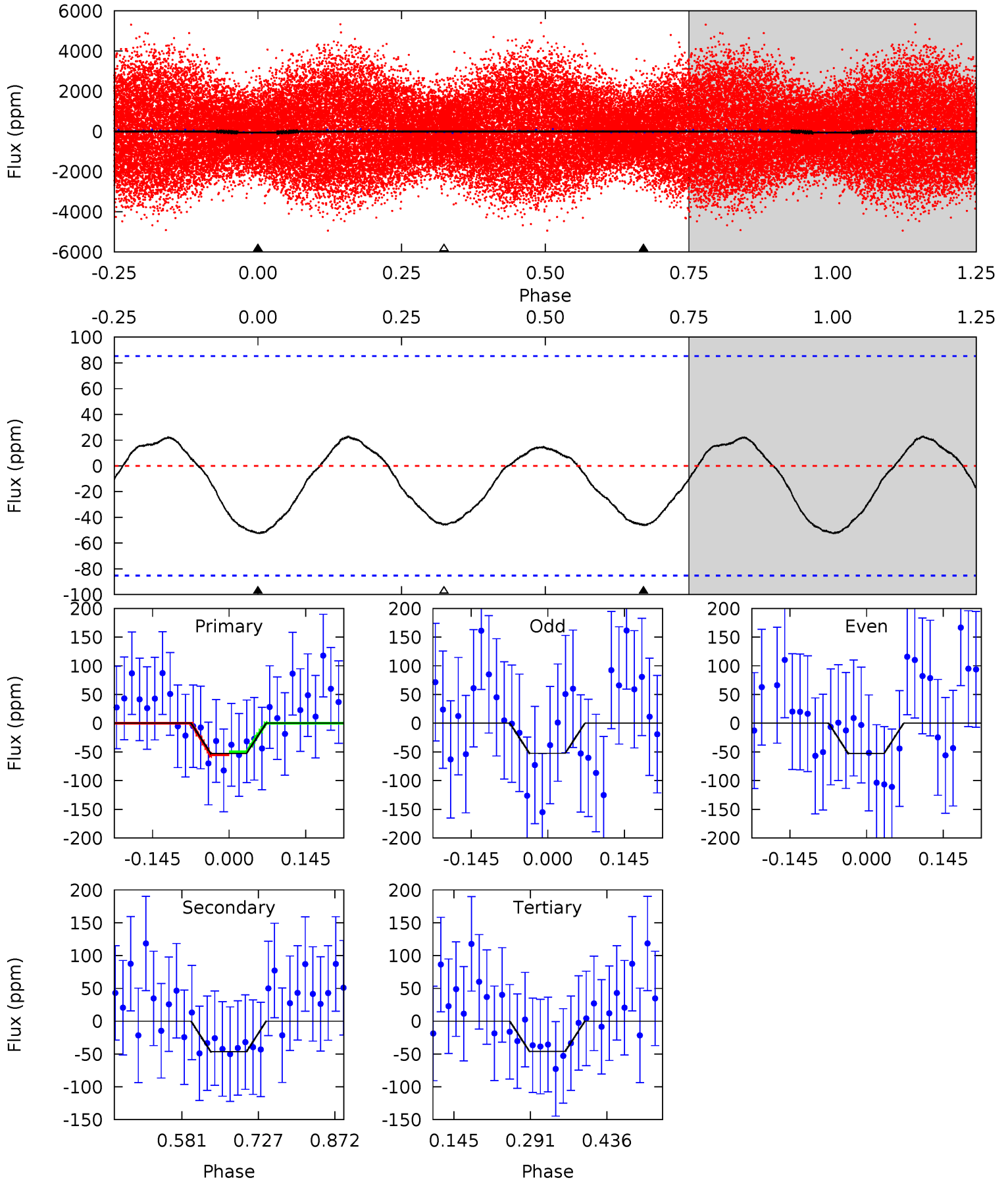
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
7.95	7.42	6.92	0	4.47	1.43	3.81	1.03	7.95	0.50	7.42	0.63	0.95	0.35	0.95



Alt Model-Shift Uniqueness Test

007755932-02, P = 0.548709 Days, E = 131.350222 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.77	2.44	2.42	0	4.49	1.46	1.23	0.35	2.77	0.02	2.44	0.01	0.92	0.31	0.12



Stellar Parameters For KIC 007755932

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7691^{+213}_{-320}	$3.719^{+0.416}_{-0.073}$	$-0.040^{+0.200}_{-0.350}$	$3.163^{+0.456}_{-1.458}$	$1.912^{+0.104}_{-0.415}$	$0.085^{+0.302}_{-0.020}$
	+3%/-4%	+11%/-2%	+500%/-875%	+14%/-46%	+5%/-22%	+355%/-23%
Source	KIC0	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 007755932-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-31 ± 4	$2.17^{+1.40}_{-1.17}$	6350^{+456}_{-760}	6010^{+3871}_{-2381}	$0.907^{+3.429}_{-0.558}$
Alt.	-46 ± 19	$2.26^{+1.45}_{-1.20}$	6383^{+443}_{-758}	6687^{+5273}_{-2223}	$1.284^{+4.671}_{-0.841}$

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 $A_{obs} \gg 1.0$

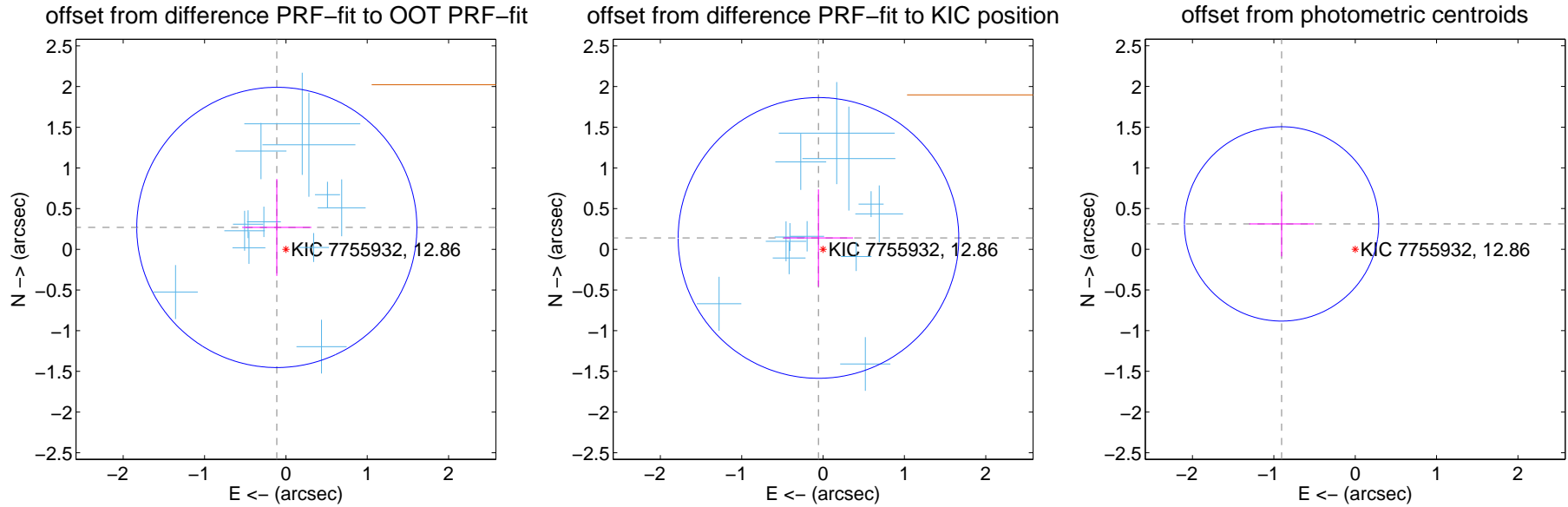
DV Centroid Data

Supplemental centroid analysis for 007755932-02. Kepler magnitude: 12.86. Transit SNR 10.94

There are 12 quarters with good PRF difference image offsets

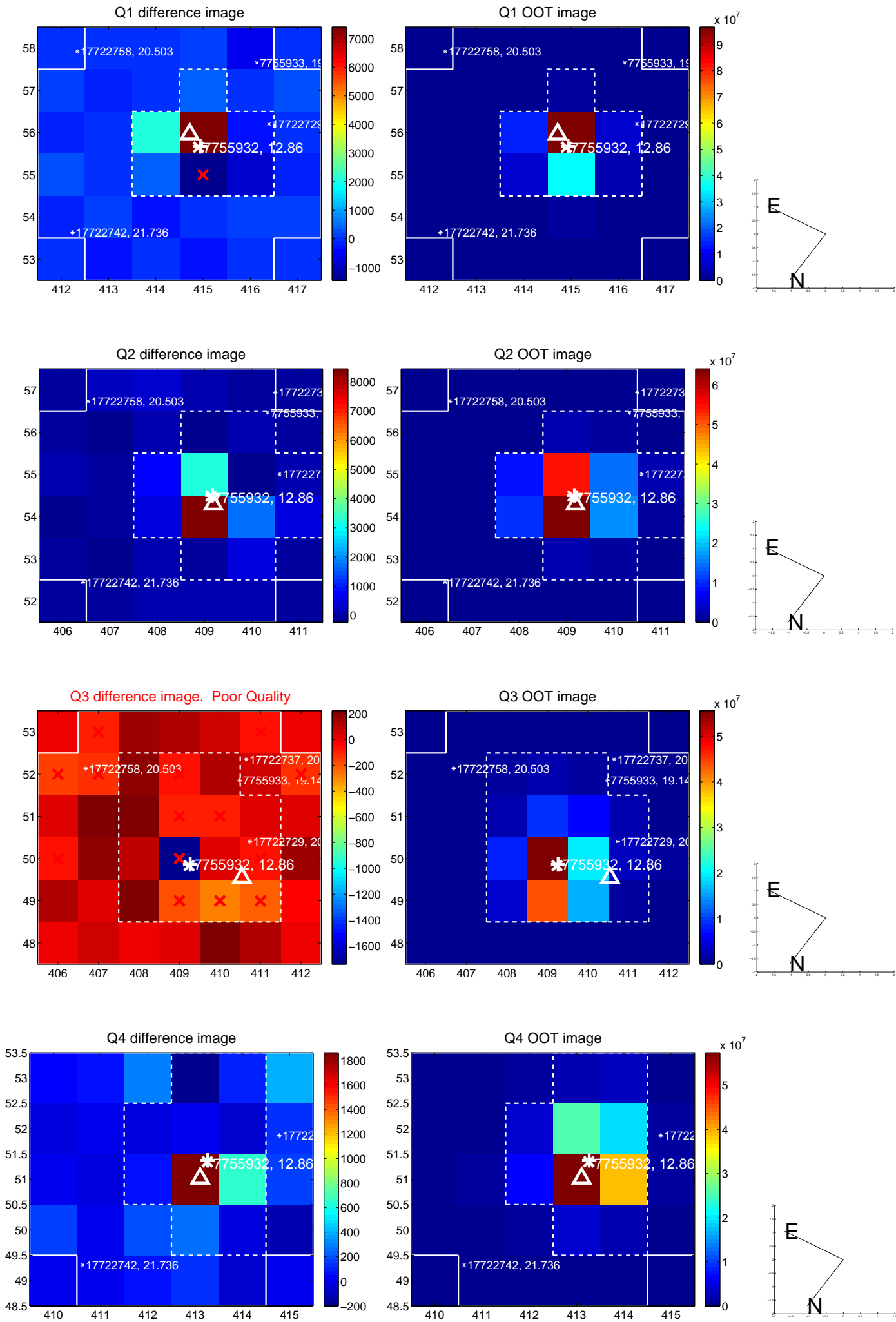
The direct PRF centroid is offset from the target star catalog position by about 0.23 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.291 ± 0.574	0.51	0.112 ± 0.425	0.269 ± 0.596
PRF-fit source offset from KIC position	0.151 ± 0.575	0.26	0.056 ± 0.425	0.140 ± 0.596
photometric centroid source offset	0.96 ± 0.40	2.41	0.91 ± 0.40	0.31 ± 0.40

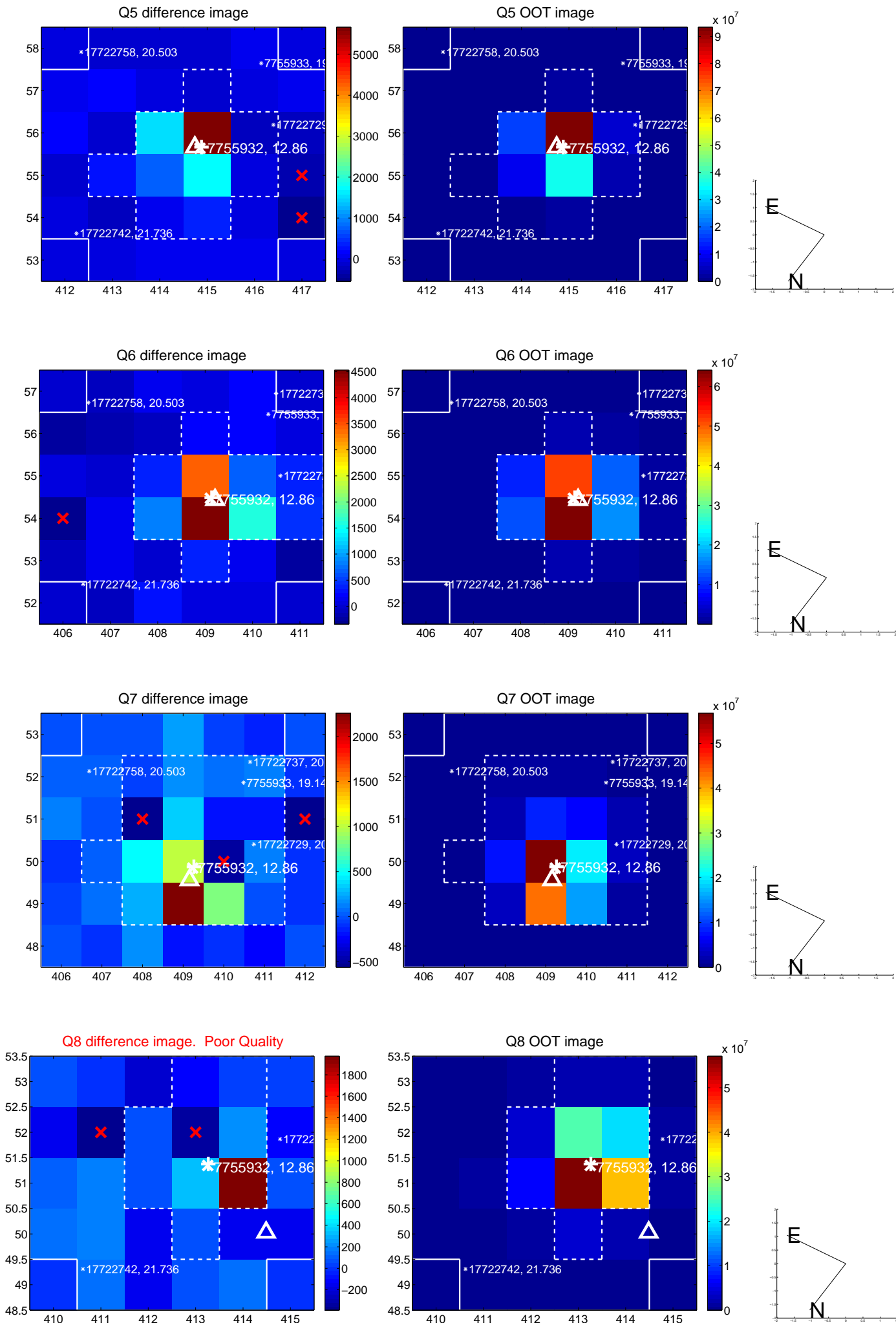


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

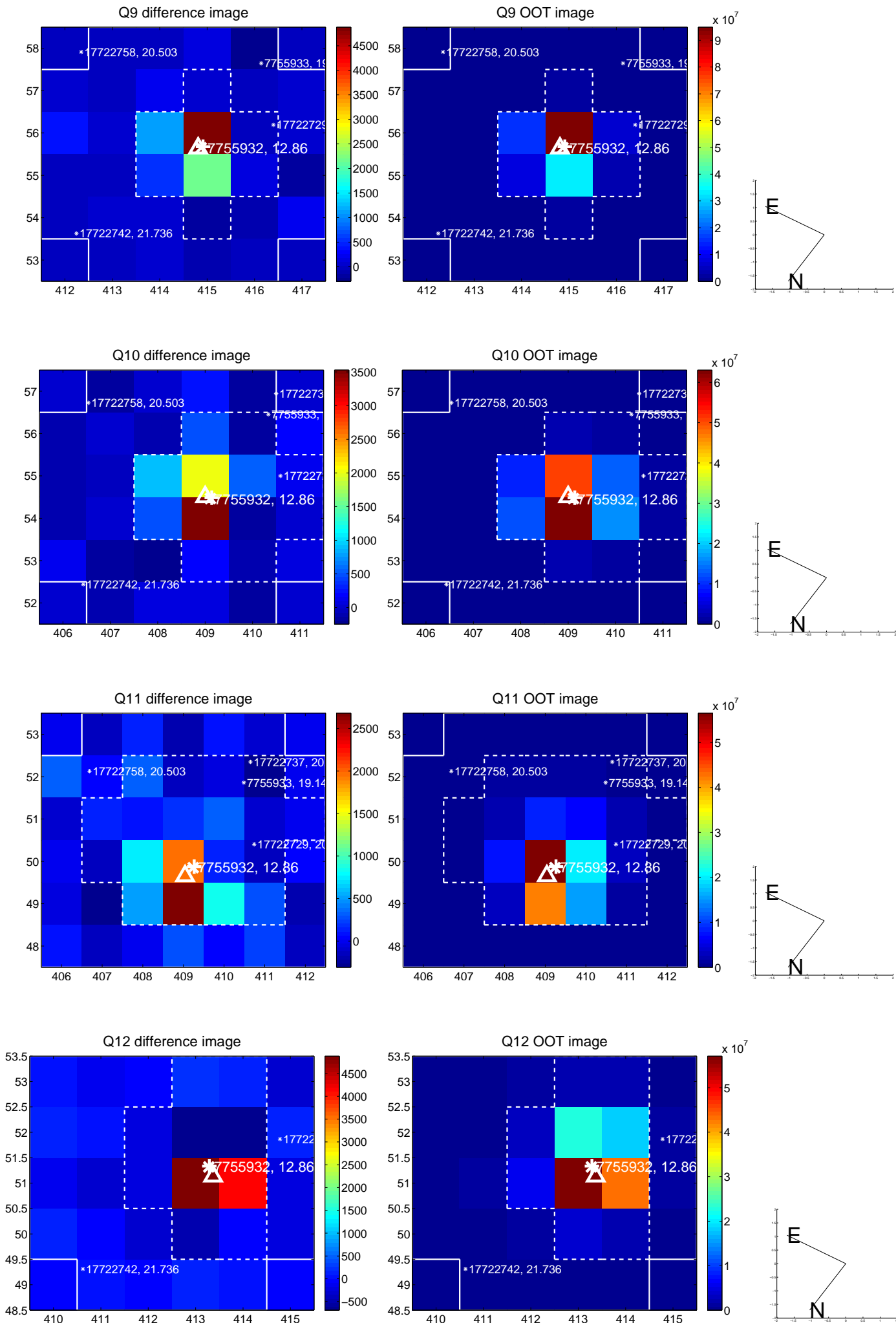
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



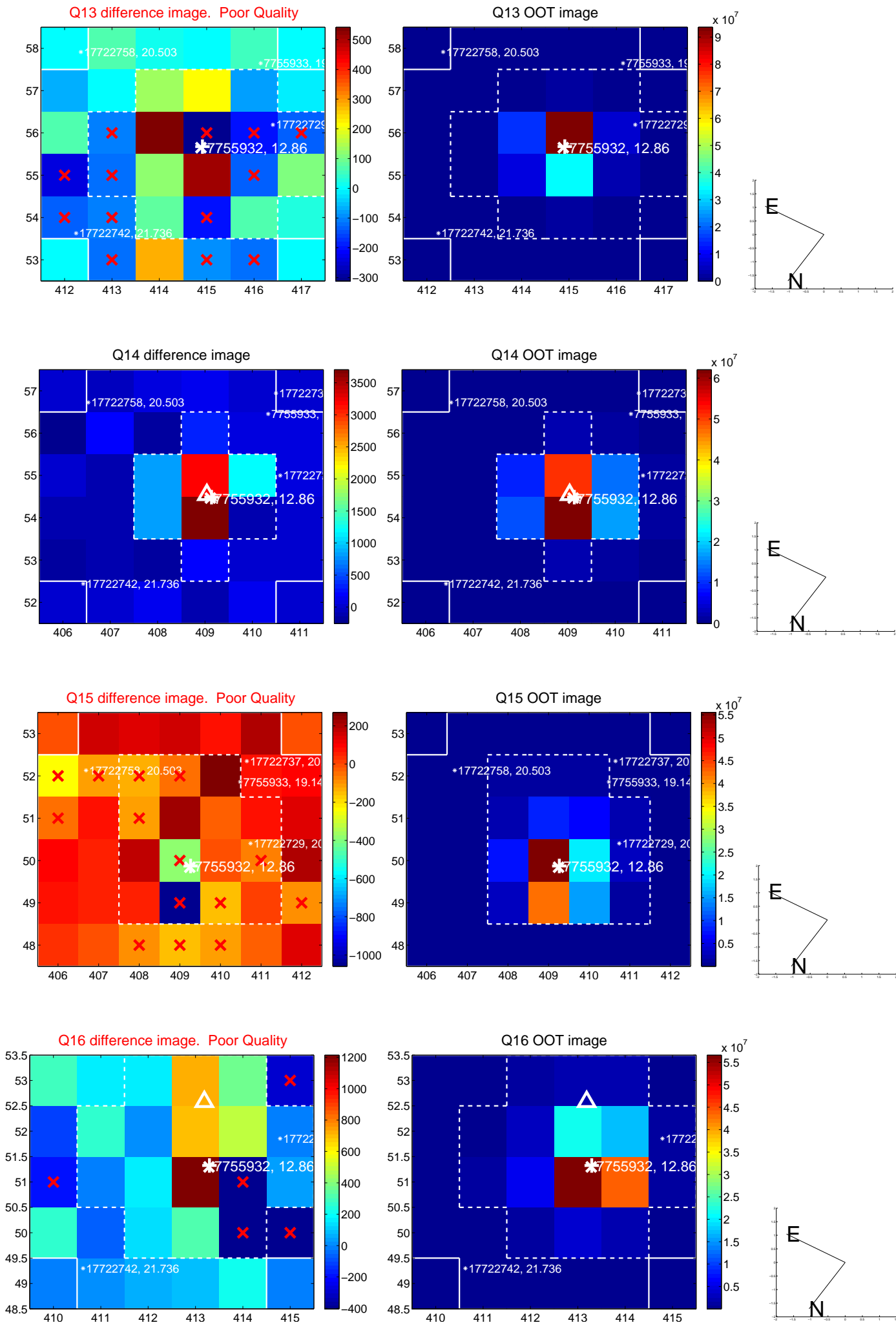
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



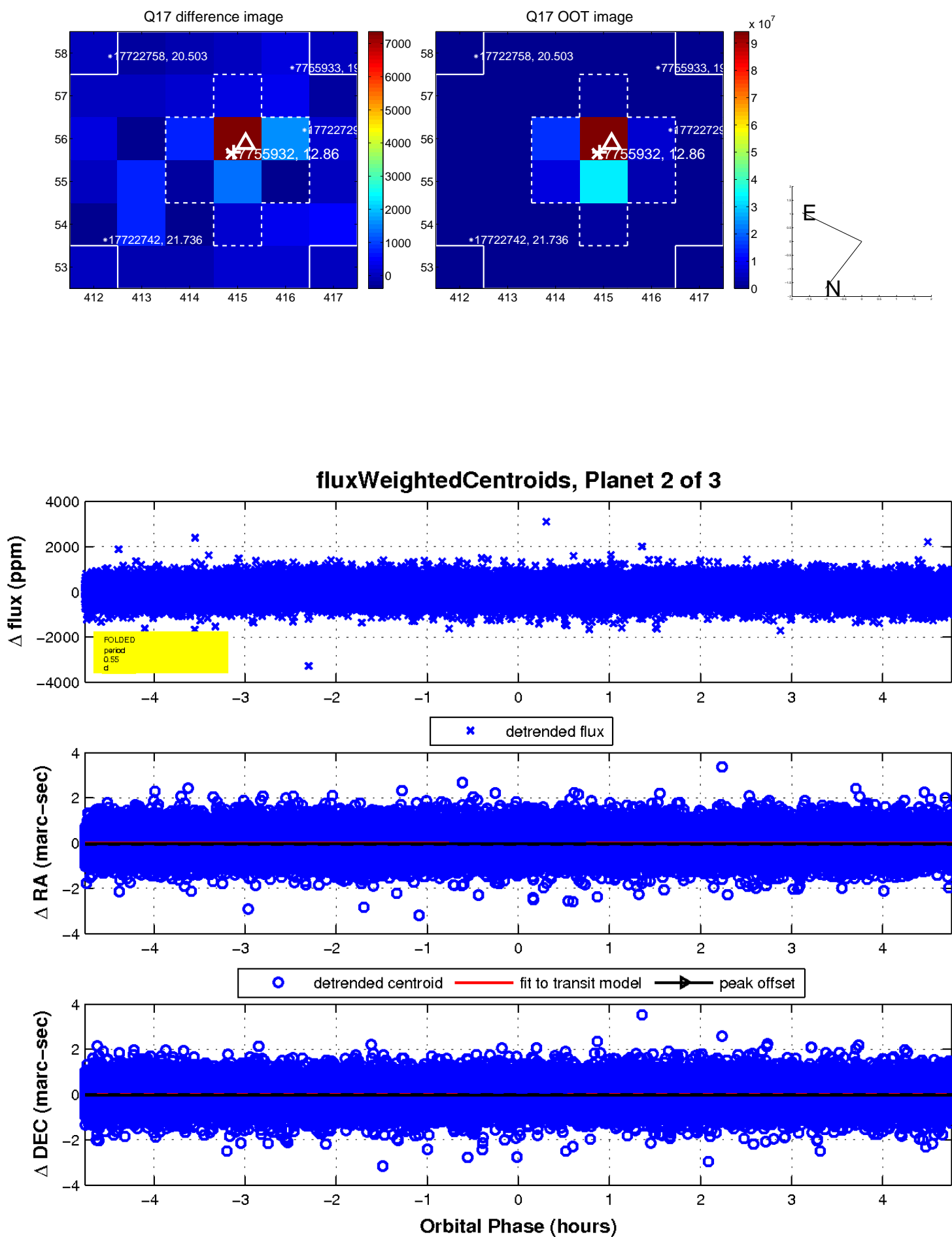
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

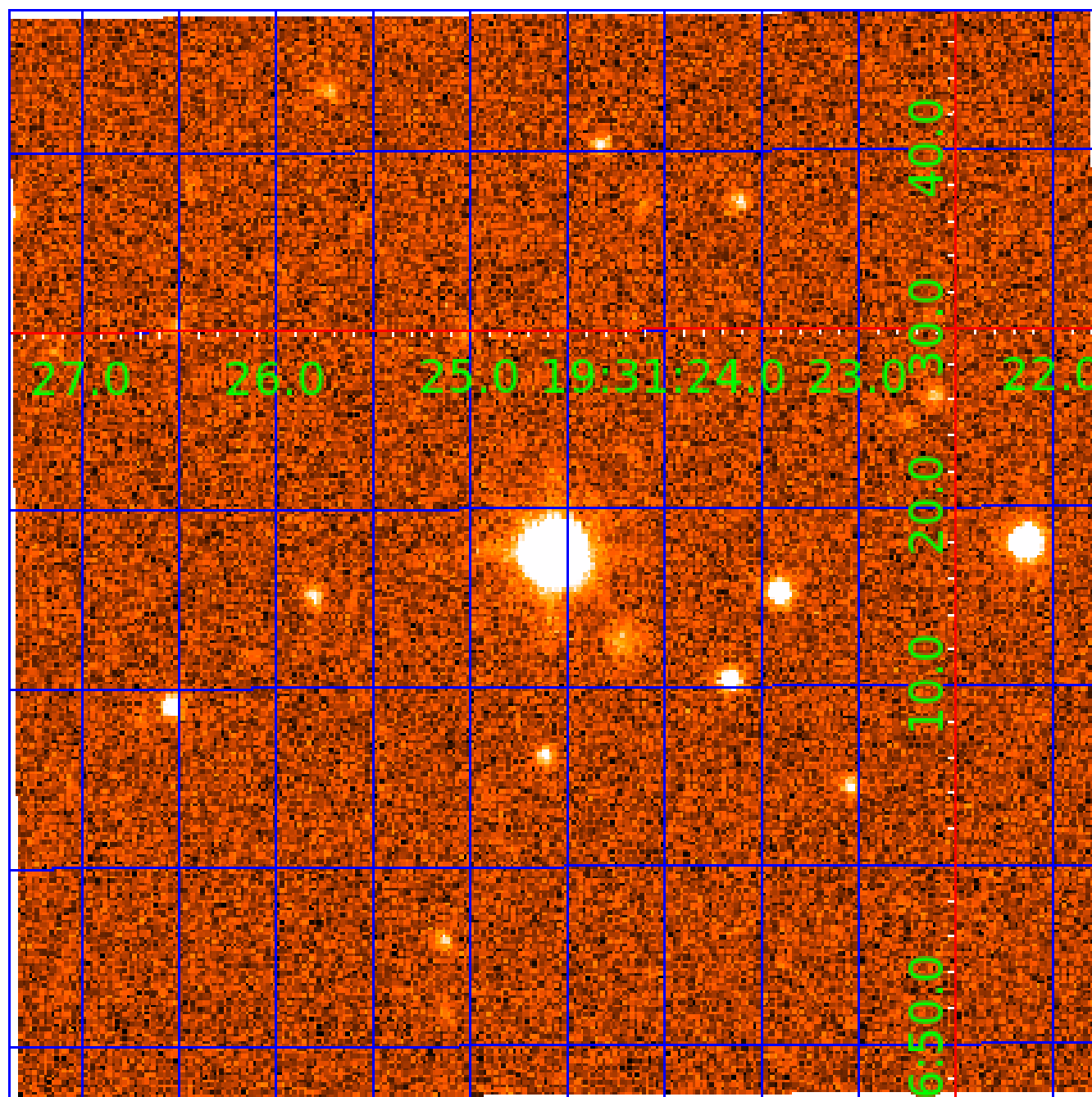


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 007755932

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})
007755932-01	OBS	No	0.702920	132.141105	48.2	1.482	12.7	13.8	3.16	7691	2.23	85051.85
007755932-02	OBS	No	0.548714	131.893549	42.8	1.586	9.1	10.9	3.16	7691	2.42	118330.45
007755932-03	OBS	No	0.702933	131.700484	46.2	1.268	7.2	8.1	3.16	7691	2.51	85049.83

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007755932-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
007755932-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
007755932-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD

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

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

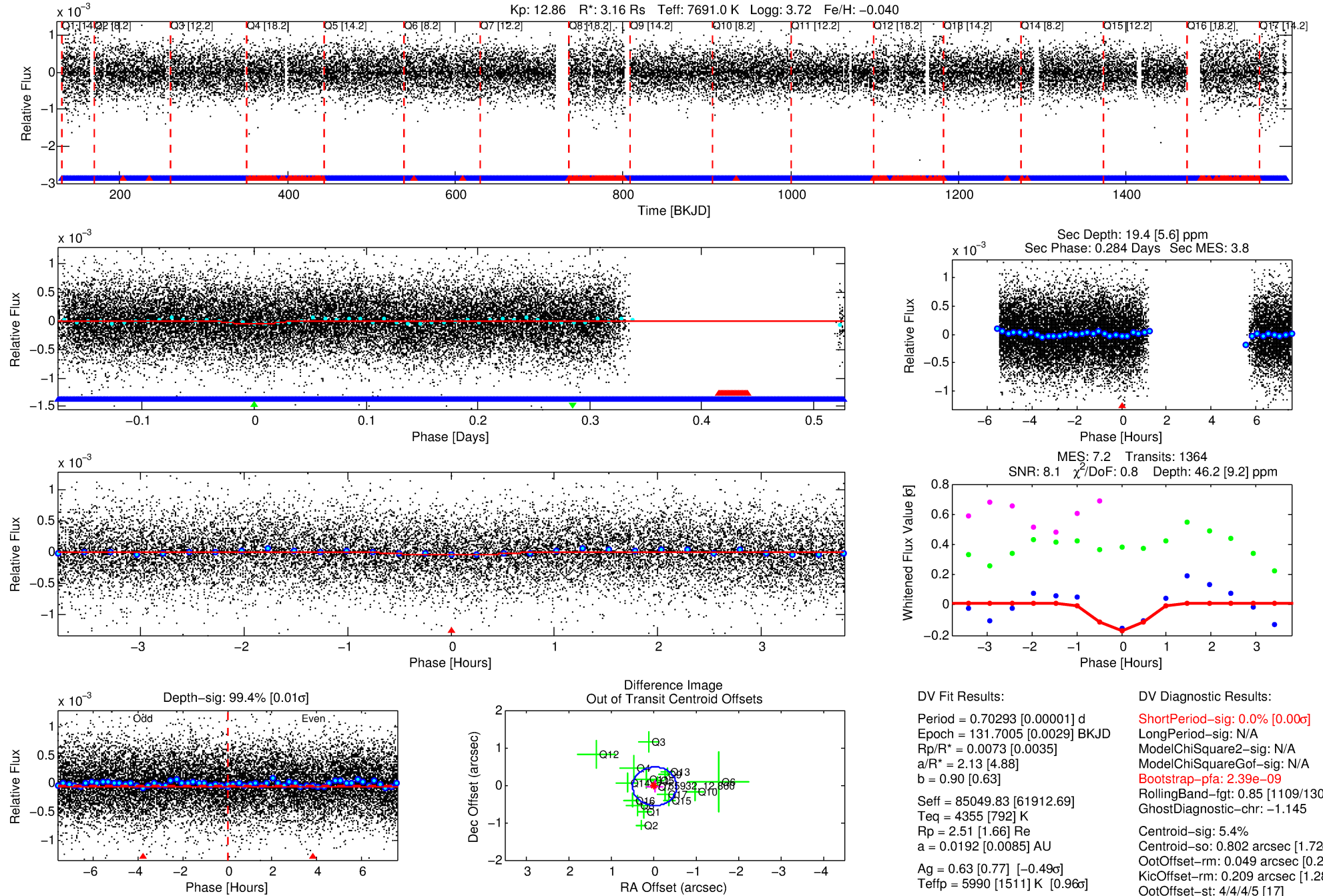
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007755932-03

No Significant Match Found

DV One-Page Summary

KIC: 7755932 Candidate: 3 of 3 Period: 0.703 d



DV Fit Results:

Period = 0.70293 [0.00001] d
Epoch = 131.7005 [0.0029] BKJD
Rp/R* = 0.0073 [0.0035]
a/R* = 2.13 [4.88]
b = 0.90 [0.63]
Seff = 85049.83 [61912.69]
Teff = 4355 [792] K
Rp = 2.51 [1.66] Re
a = 0.0192 [0.0085] AU
Ag = 0.63 [0.77] [-0.49 σ]
Teffp = 5990 [1511] K [0.96 σ]

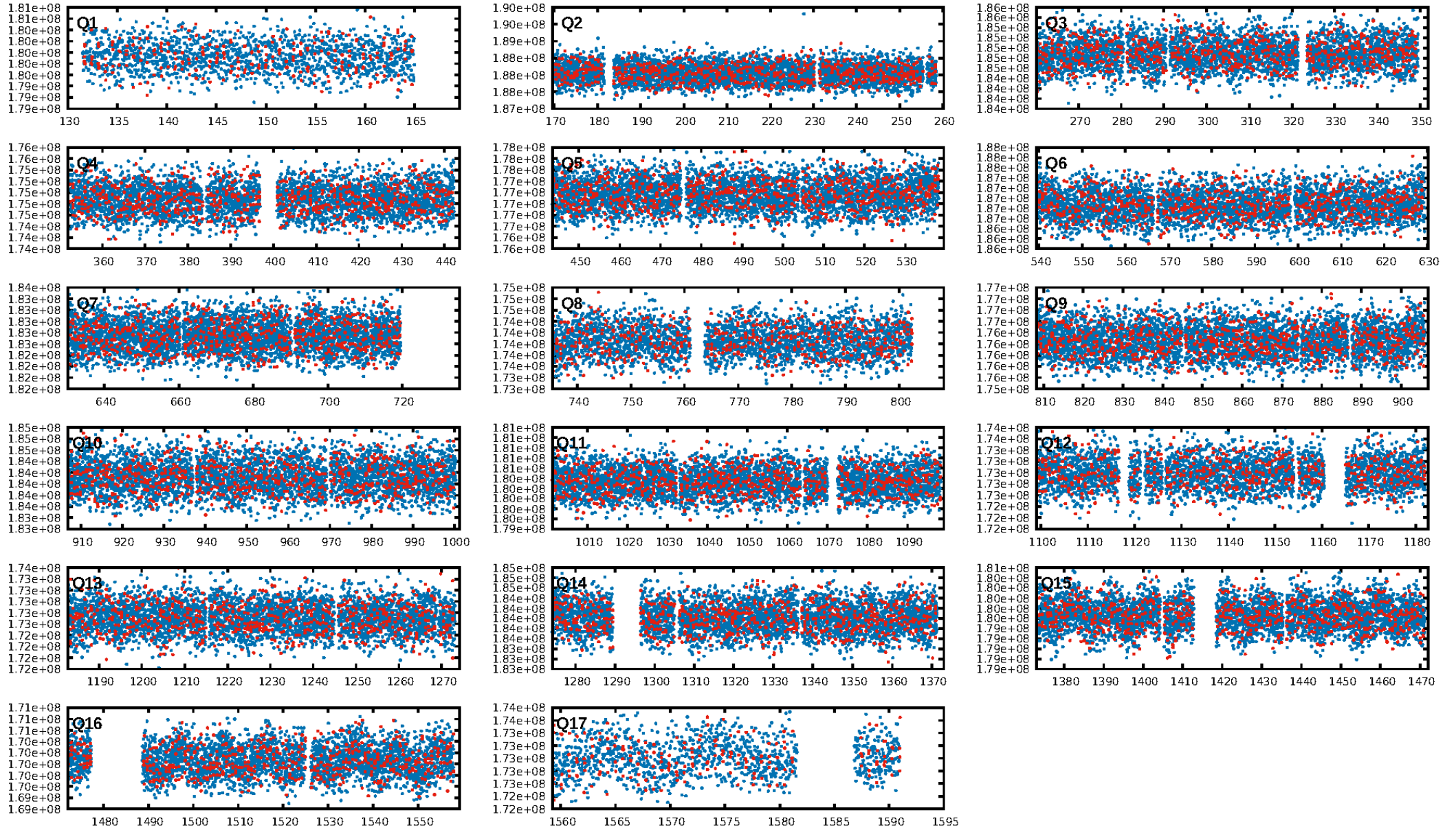
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 2.39e-09
RollingBand-fgt: 0.85 [1109/1304]
GhostDiagnostic-chr: -1.145
Centroid-sig: 5.4%
Centroid-so: 0.802 arcsec [1.72 σ]
OotOffset-rm: 0.049 arcsec [0.28 σ]
KicOffset-rm: 0.209 arcsec [1.28 σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.47 [8/17]
DiffImageOverlap-fno: 1.00 [17/17]

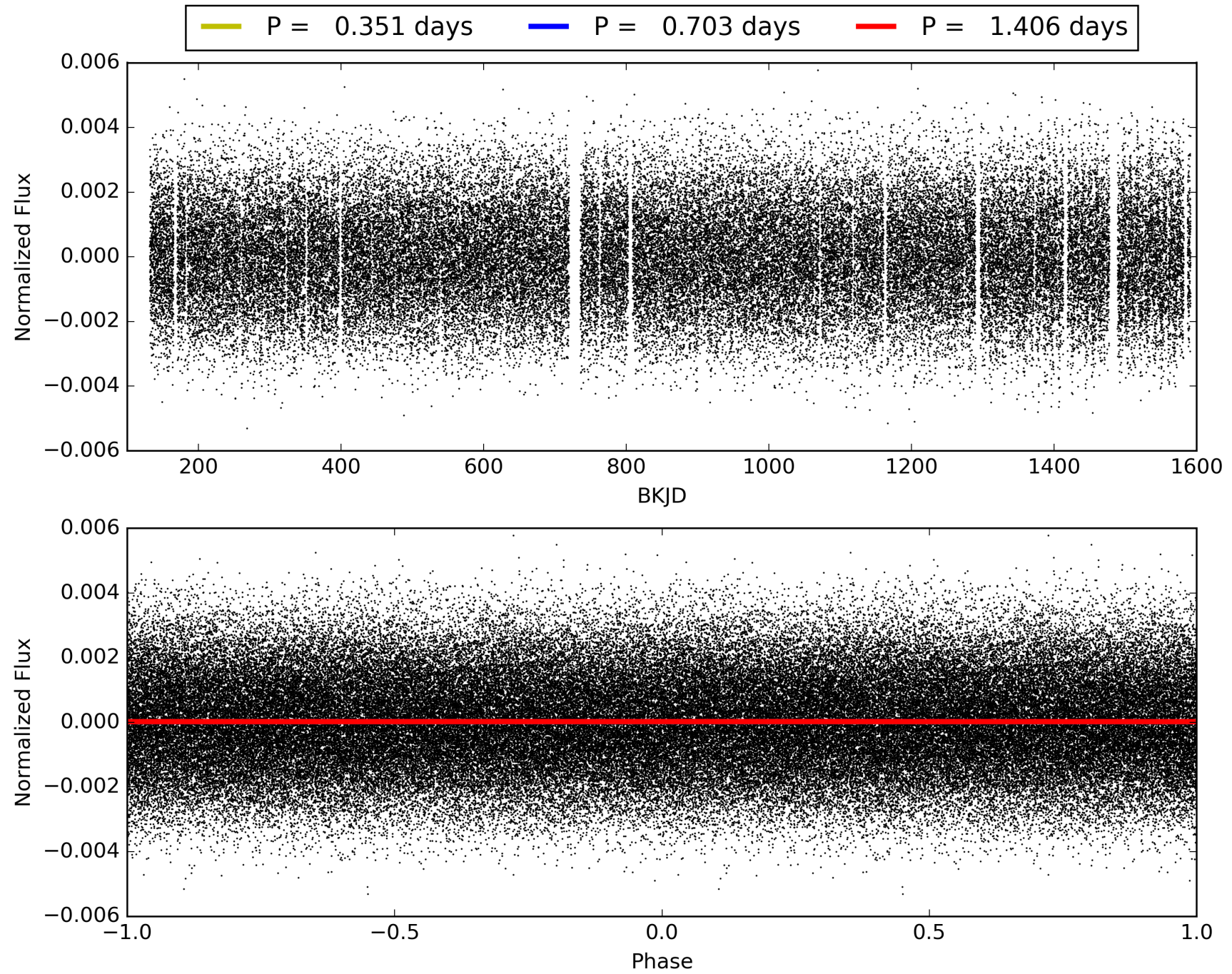
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 05:14:15 Z

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

TCE 007755932-03, PDC Light Curves

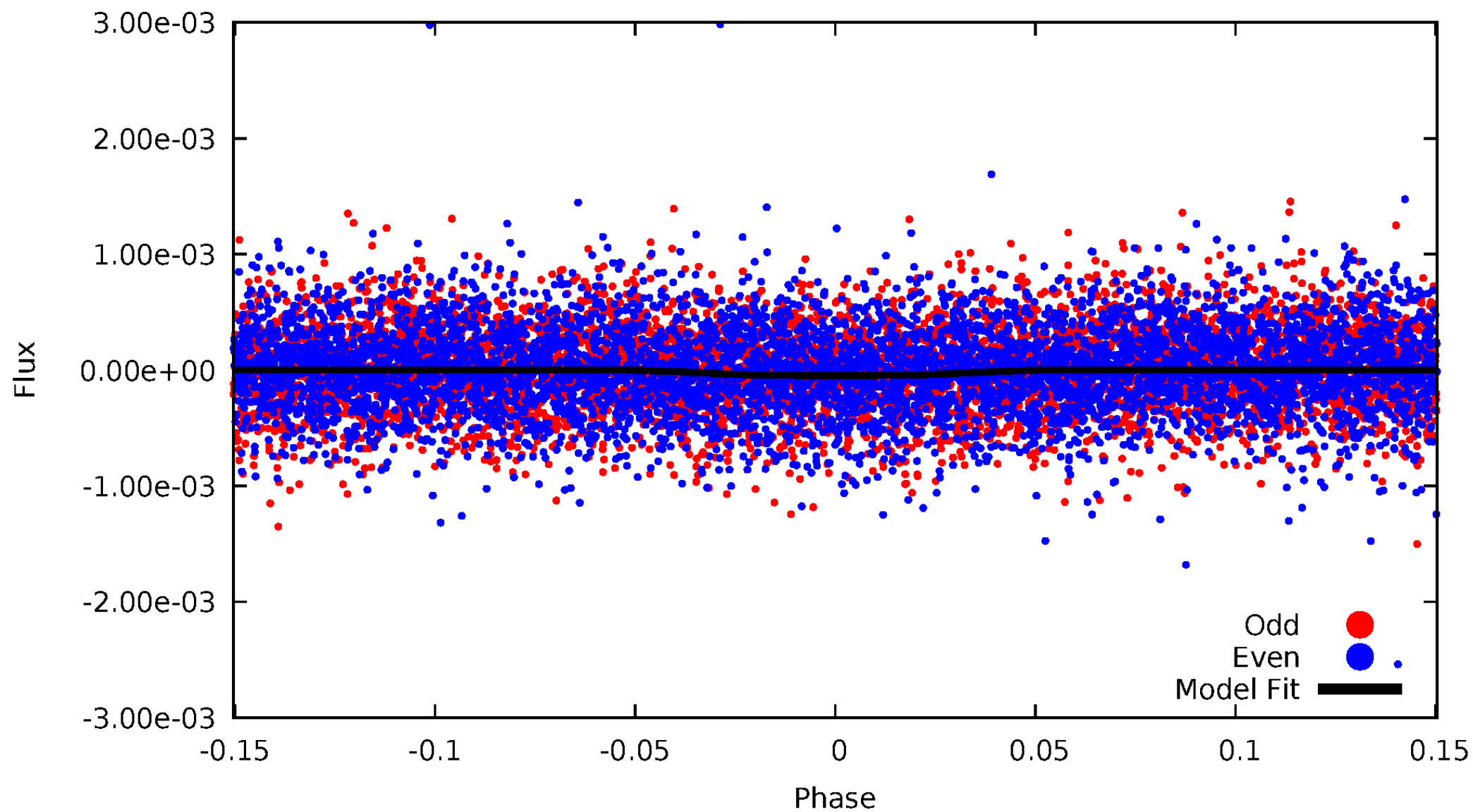


TCE 007755932-03



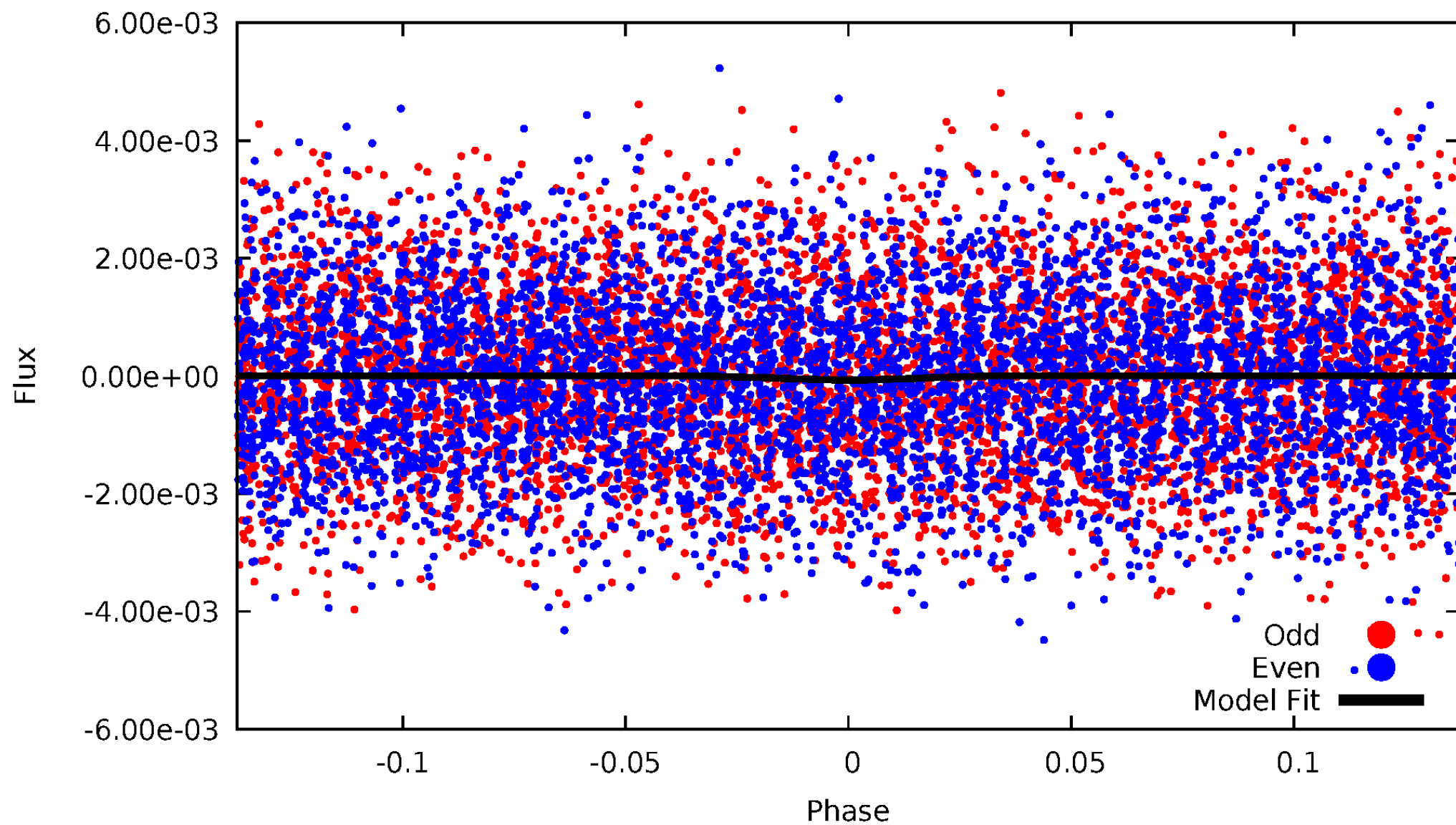
DV Odd/Even

TCE 007755932-03



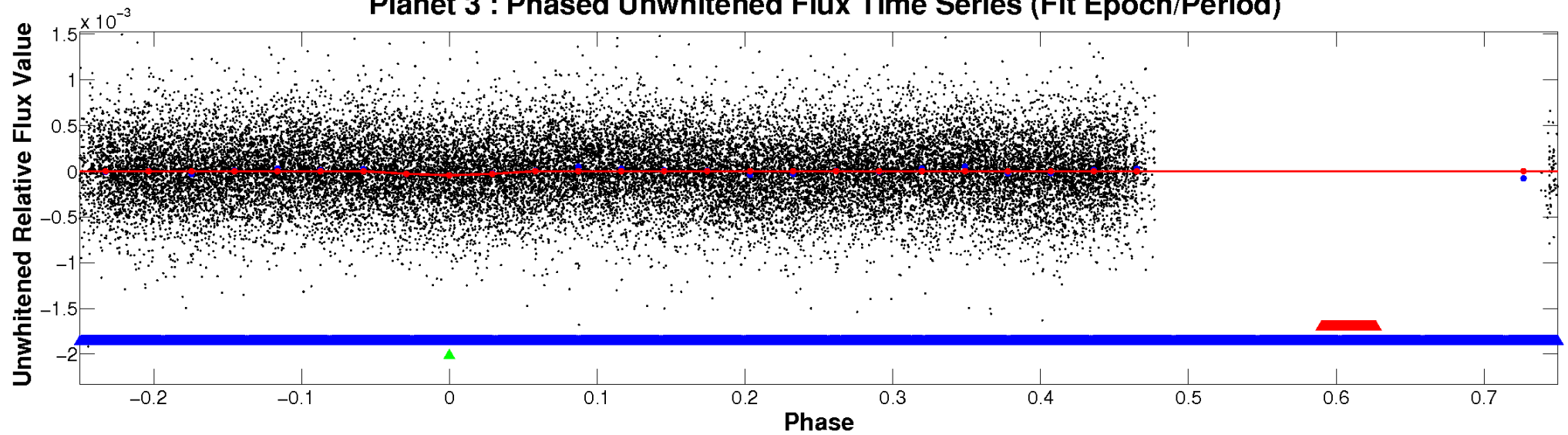
ALT Odd/Even

TCE 007755932-03

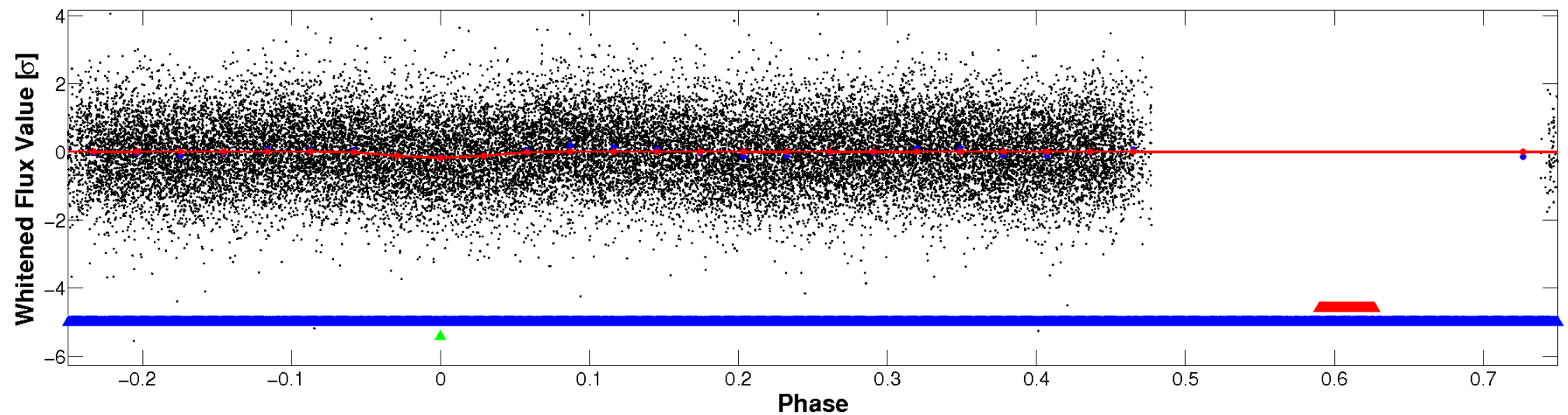


Non-Whitened Vs. Whitened Light Curve

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

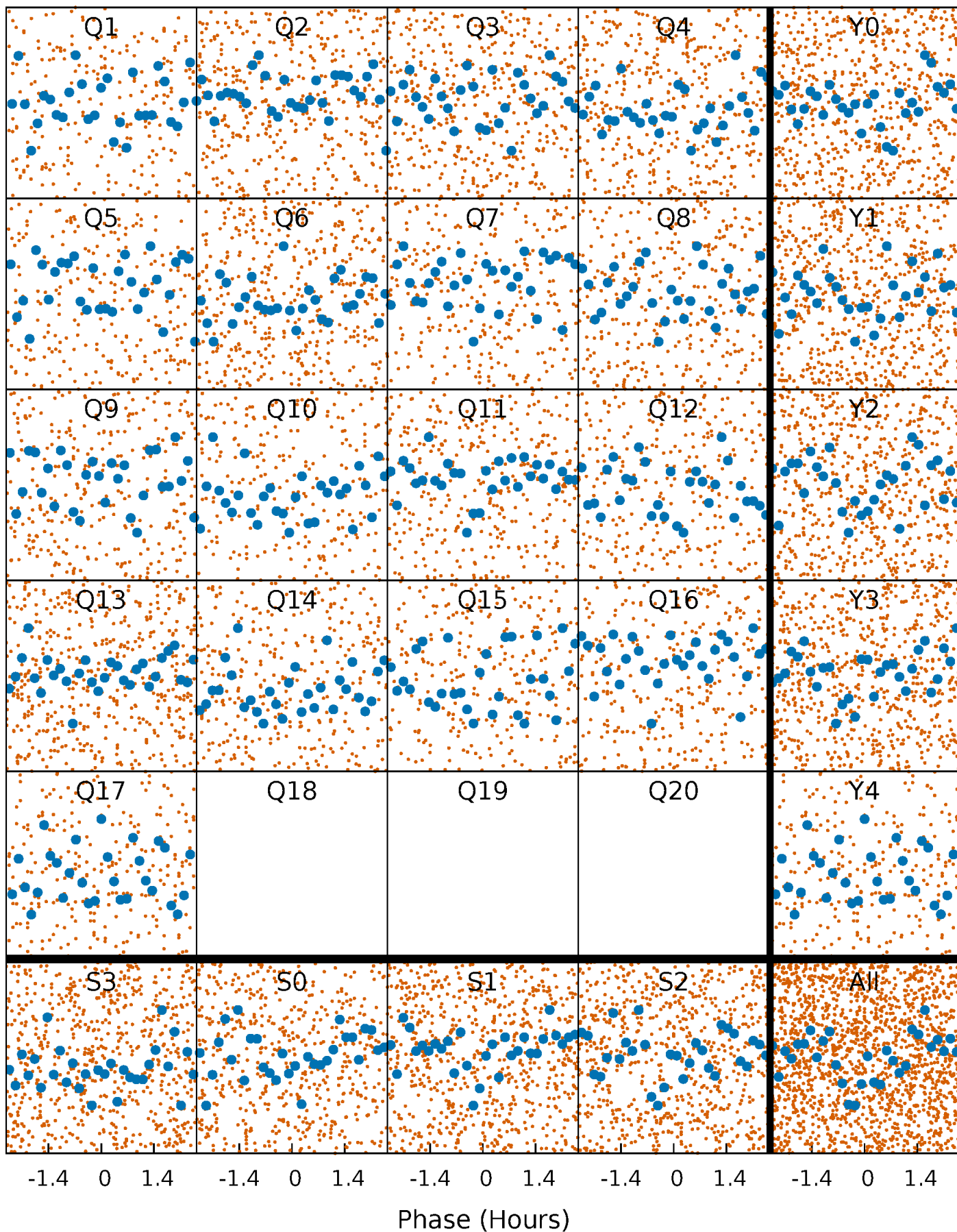


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



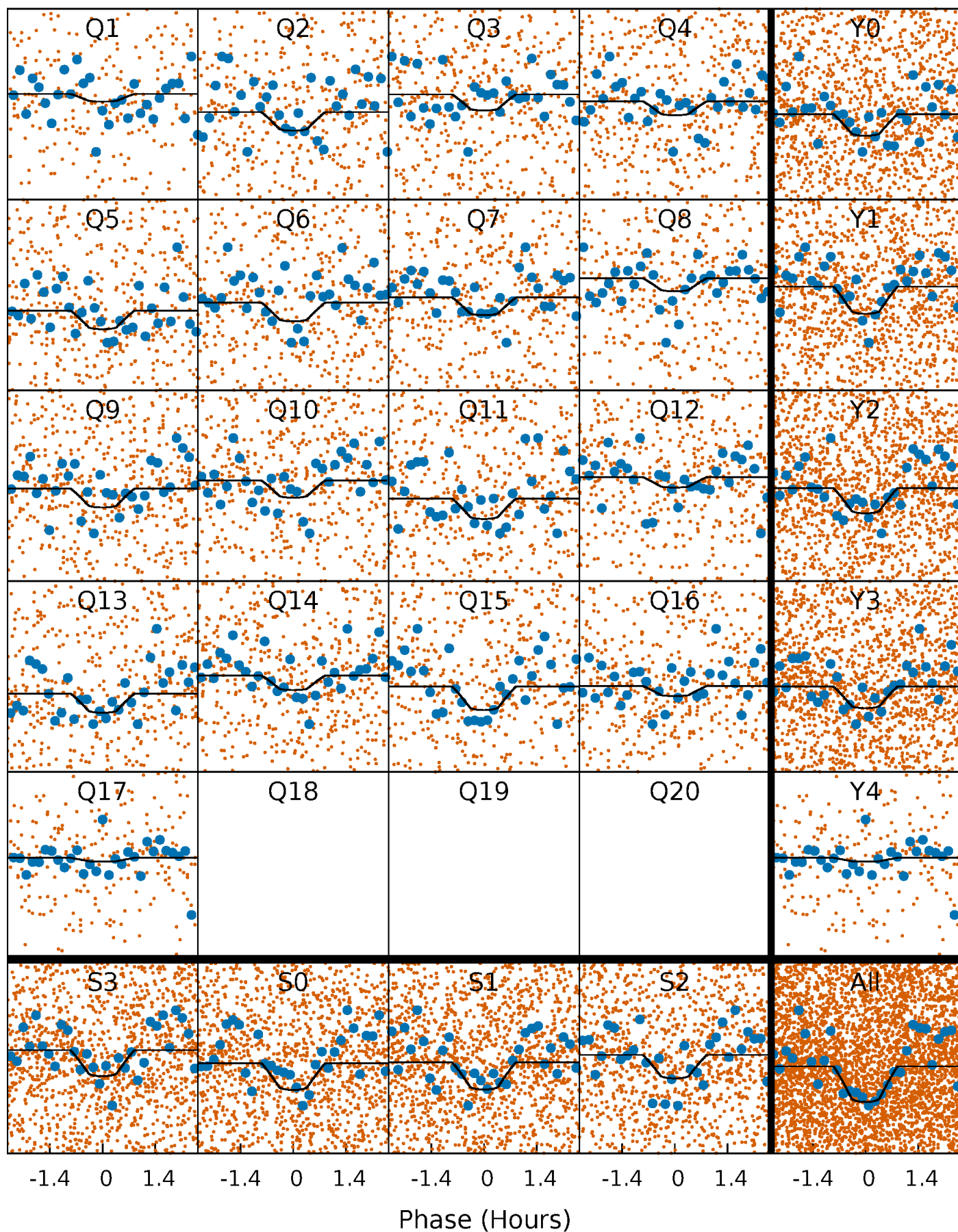
PDC Quarter-Phased Transit Curves

TCE 007755932-03 P= 0.702933 Days $T_0=131.700484$ (BKJD)



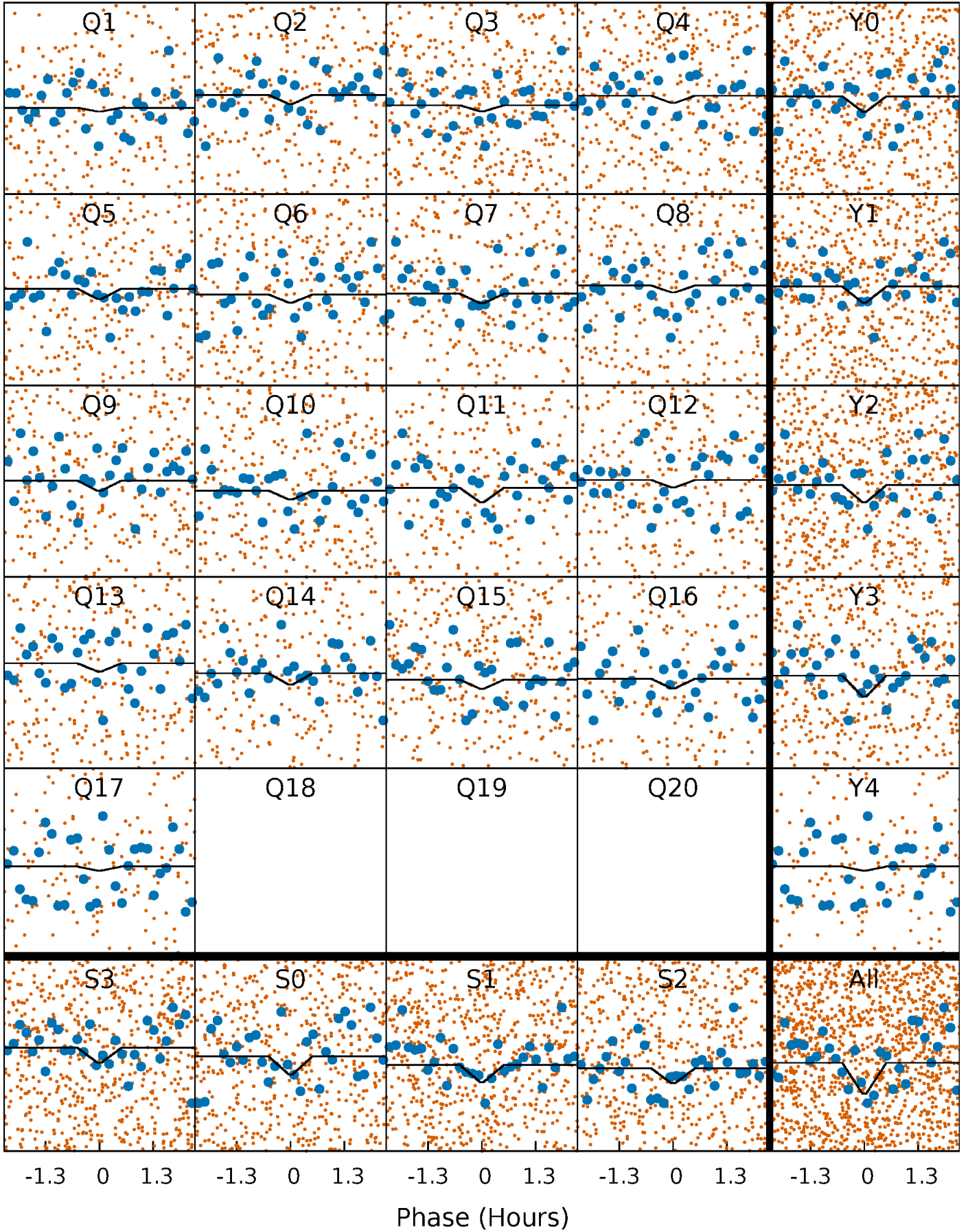
DV Quarter-Phased Transit Curves

TCE 007755932-03 P= 0.702933 Days $T_0=131.700484$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

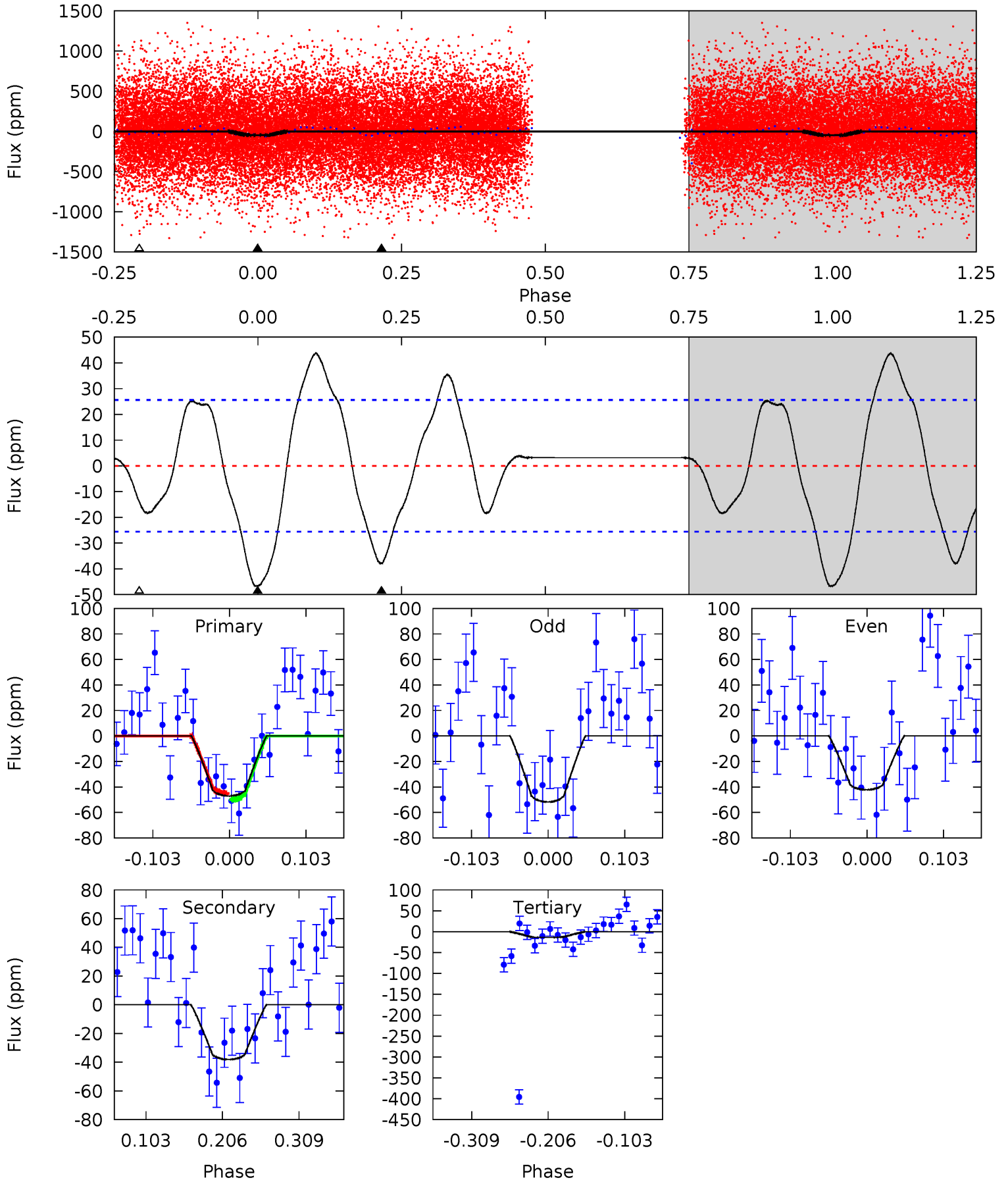
TCE 007755932-03 P= 0.702932 Days $T_0=131.696116$ (BKJD)



DV Model-Shift Uniqueness Test

007755932-03, P = 0.702933 Days, E = 130.997551 Days

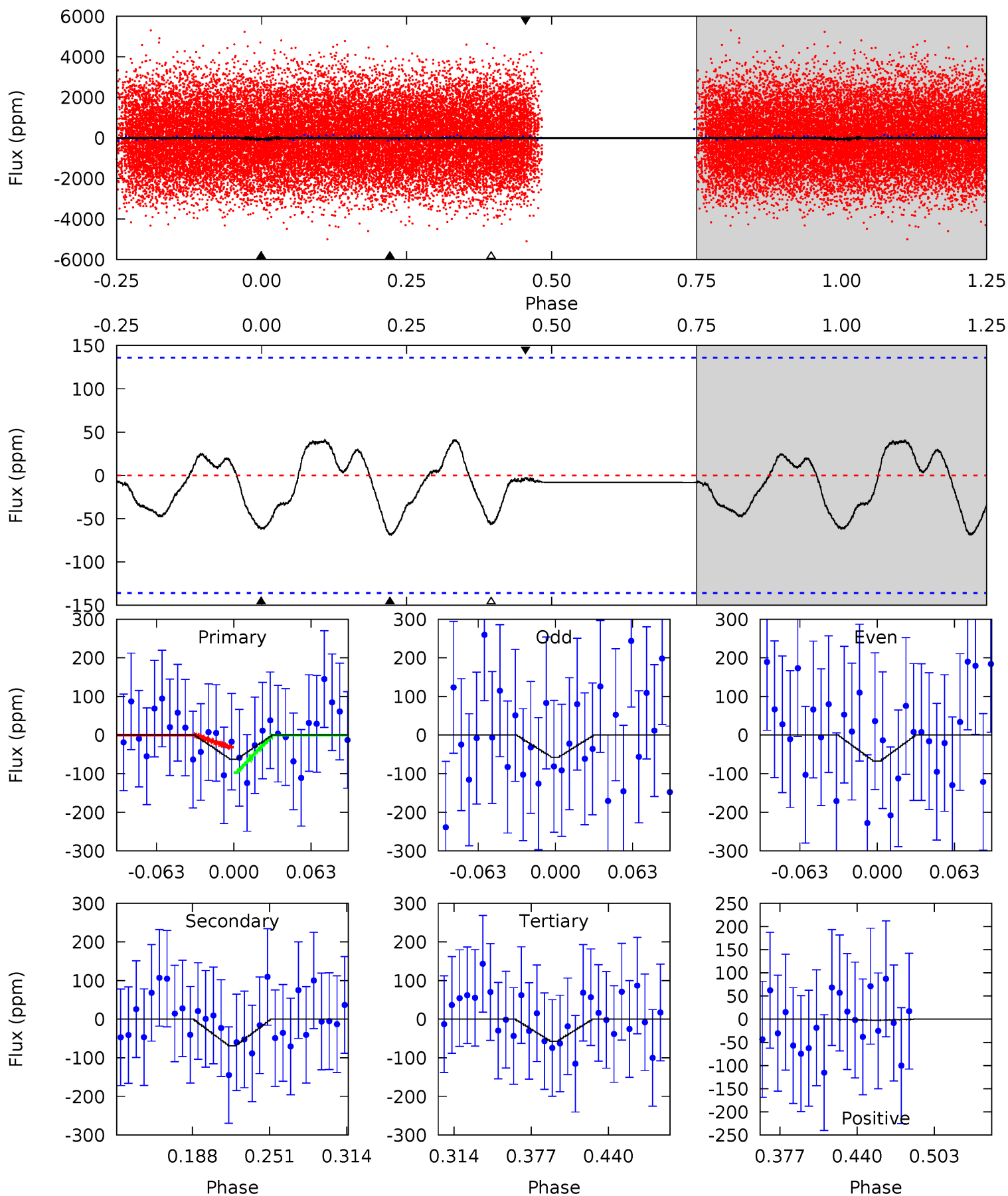
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.38	6.80	2.48	0	4.56	1.63	3.12	5.90	8.38	4.32	6.80	0.85	0.98	0.48	0.44



Alt Model-Shift Uniqueness Test

007755932-03, P = 0.702932 Days, E = 130.993184 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.15	2.37	1.96	-0.07	4.66	1.86	0.93	0.18	2.22	0.41	2.45	0.17	0.67	0.38	1.14



Stellar Parameters For KIC 007755932

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7691^{+213}_{-320}	$3.719^{+0.416}_{-0.073}$	$-0.040^{+0.200}_{-0.350}$	$3.163^{+0.456}_{-1.458}$	$1.912^{+0.104}_{-0.415}$	$0.085^{+0.302}_{-0.020}$
	+3%/-4%	+11%/-2%	+500%/-875%	+14%/-46%	+5%/-22%	+355%/-23%
Source	KIC0	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 007755932-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-38 ± 6	$2.33^{+1.11}_{-1.09}$	5878^{+386}_{-664}	6332^{+3501}_{-1443}	$1.365^{+3.386}_{-0.725}$
Alt.	-69 ± 29	$2.61^{+1.24}_{-1.19}$	5844^{+401}_{-633}	7036^{+3221}_{-1881}	$1.884^{+4.309}_{-1.160}$

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 $A_{obs} \gg 1.0$

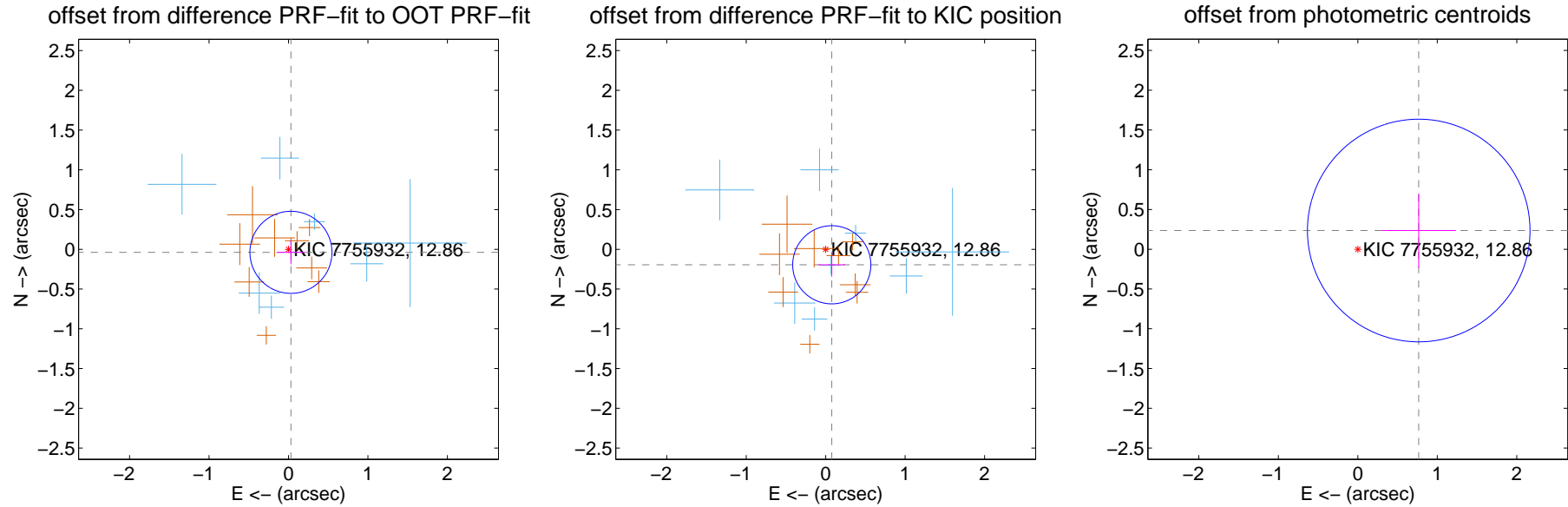
DV Centroid Data

Supplemental centroid analysis for 007755932-03. Kepler magnitude: 12.86. Transit SNR 8.07

There are 8 quarters with good PRF difference image offsets

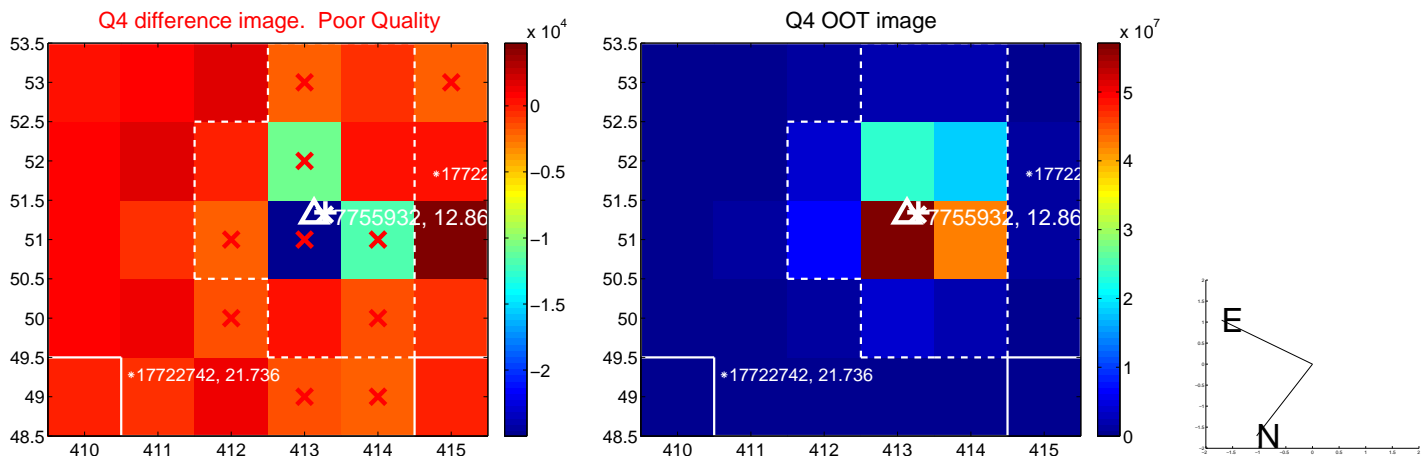
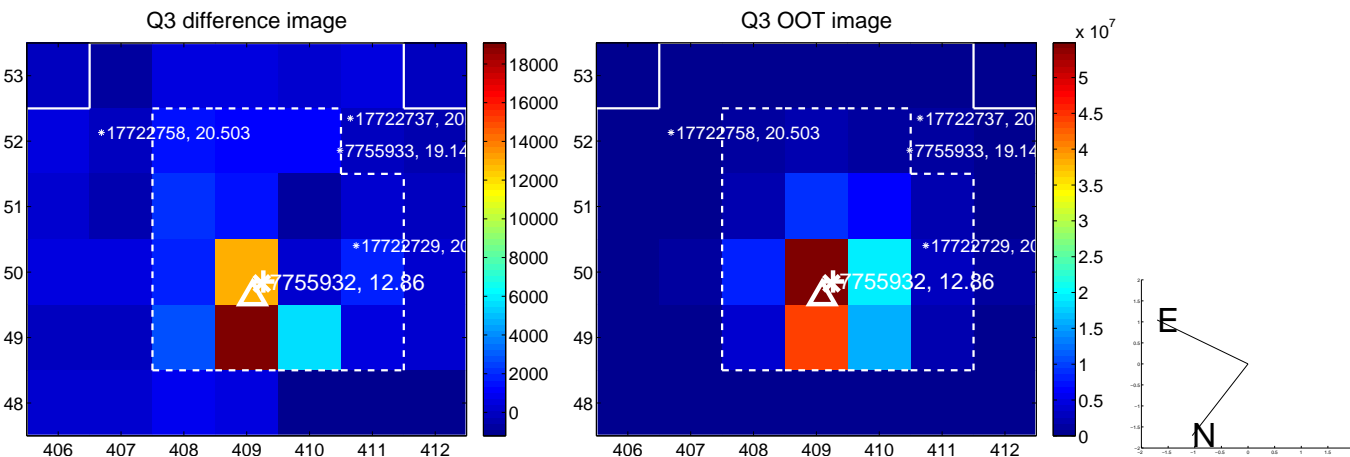
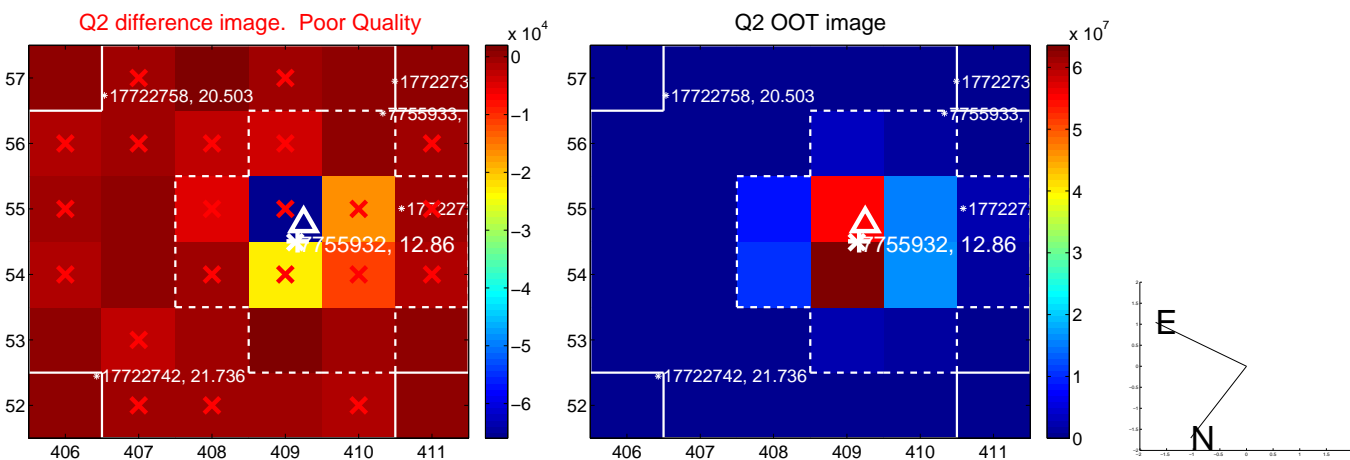
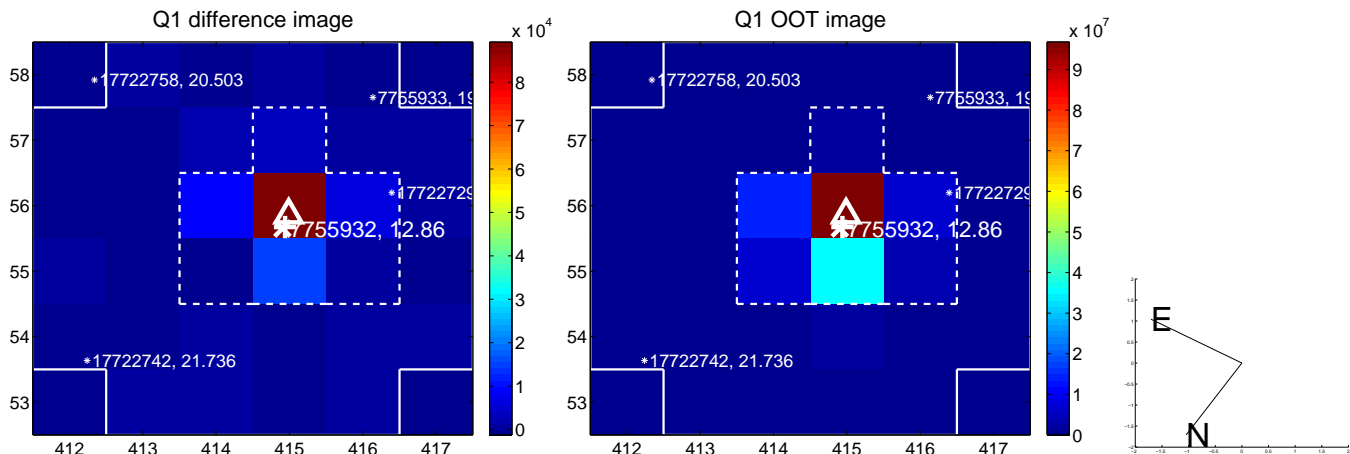
The direct PRF centroid is offset from the target star catalog position by about 0.23 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.049 ± 0.172	0.28	-0.031 ± 0.180	-0.038 ± 0.151
PRF-fit source offset from KIC position	0.209 ± 0.164	1.28	-0.077 ± 0.167	-0.194 ± 0.150
photometric centroid source offset	0.80 ± 0.47	1.72	-0.77 ± 0.47	0.24 ± 0.47

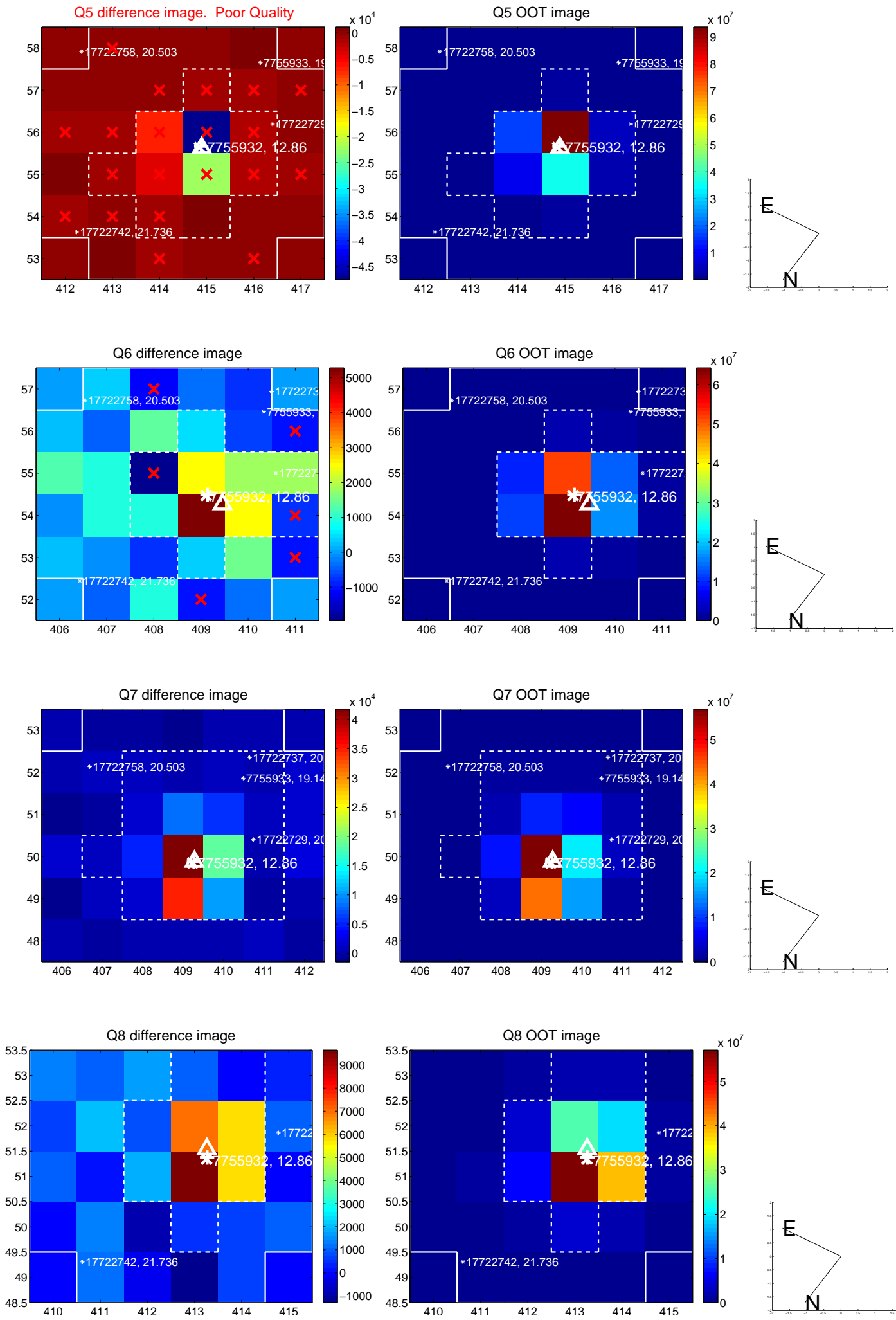


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

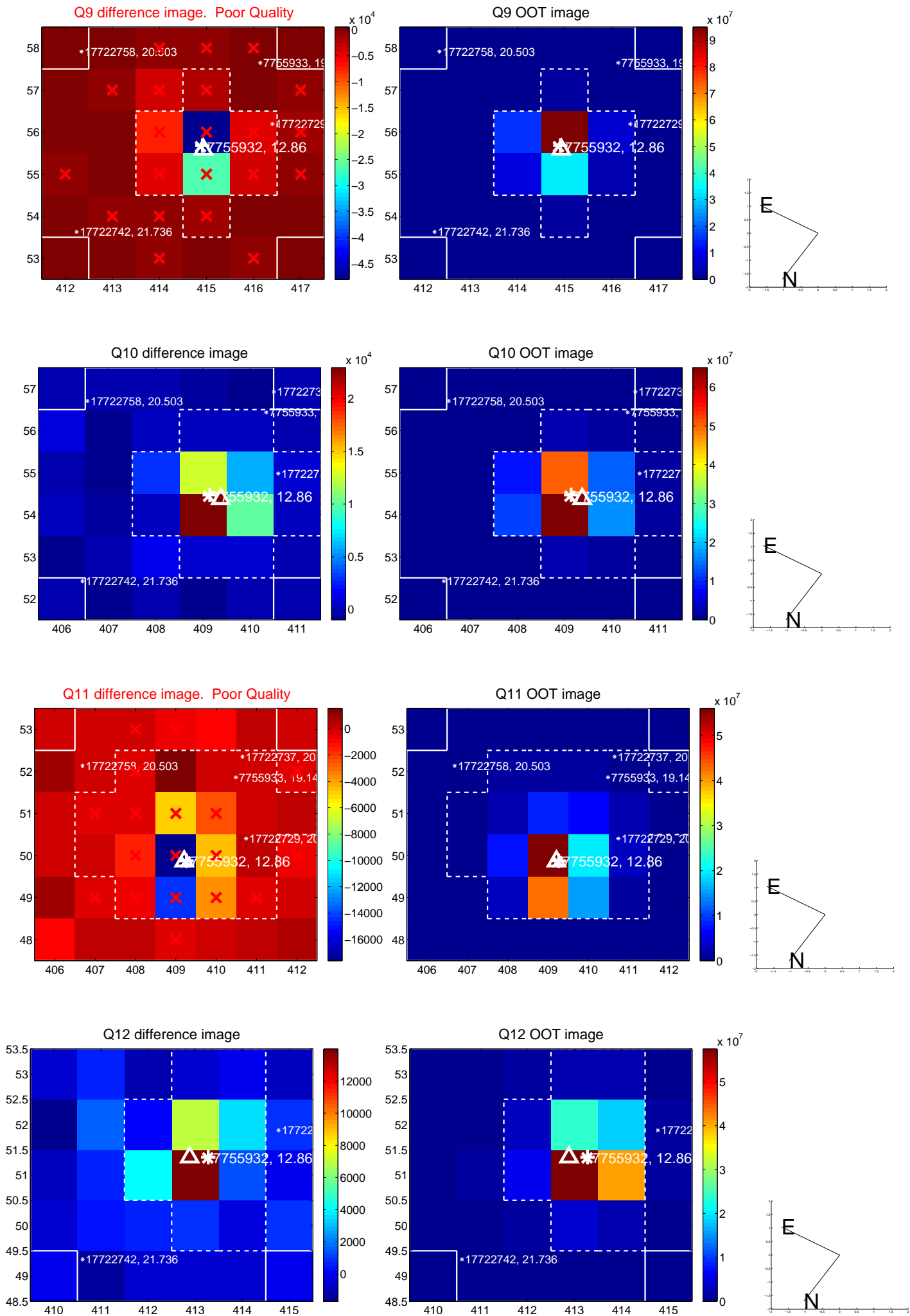
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



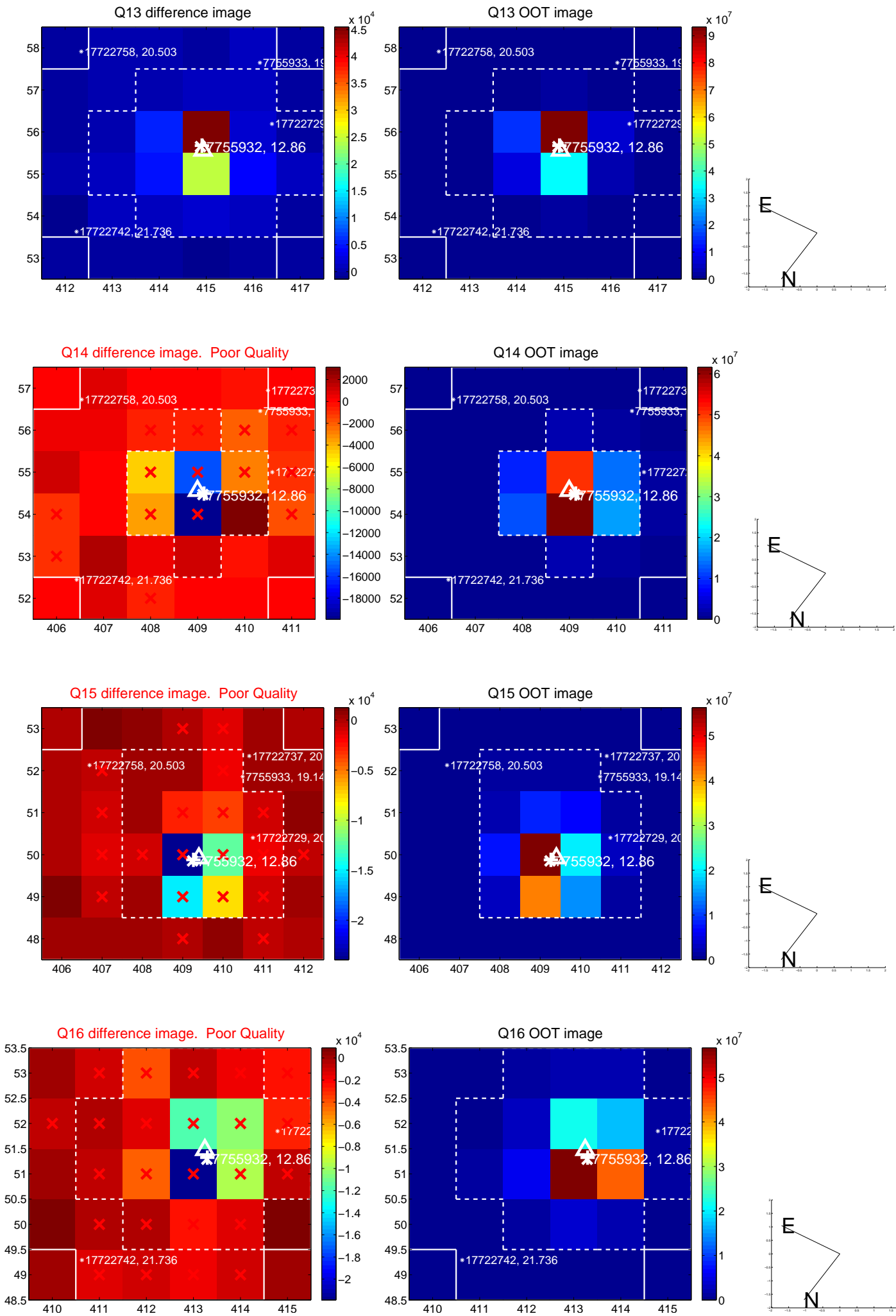
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



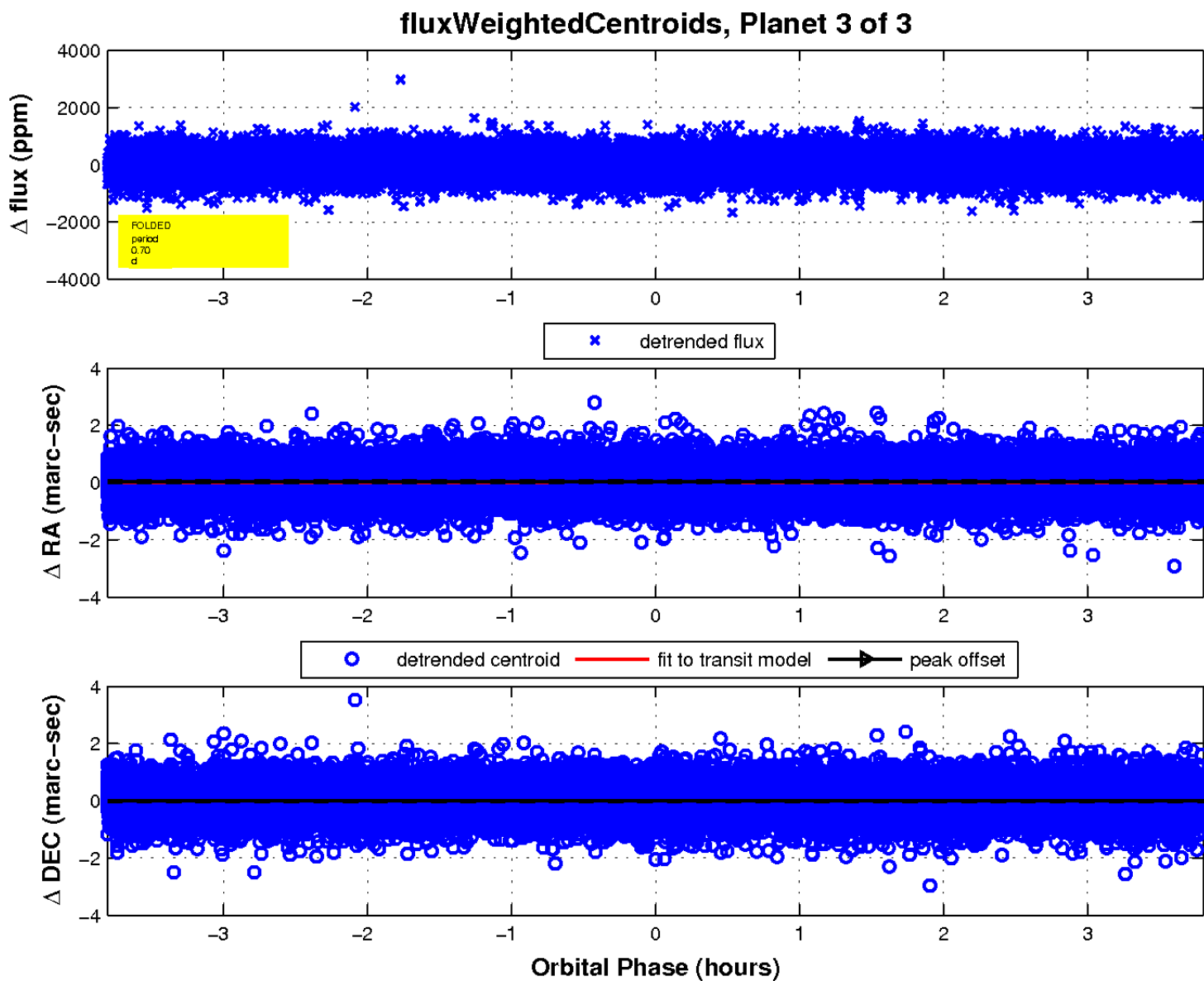
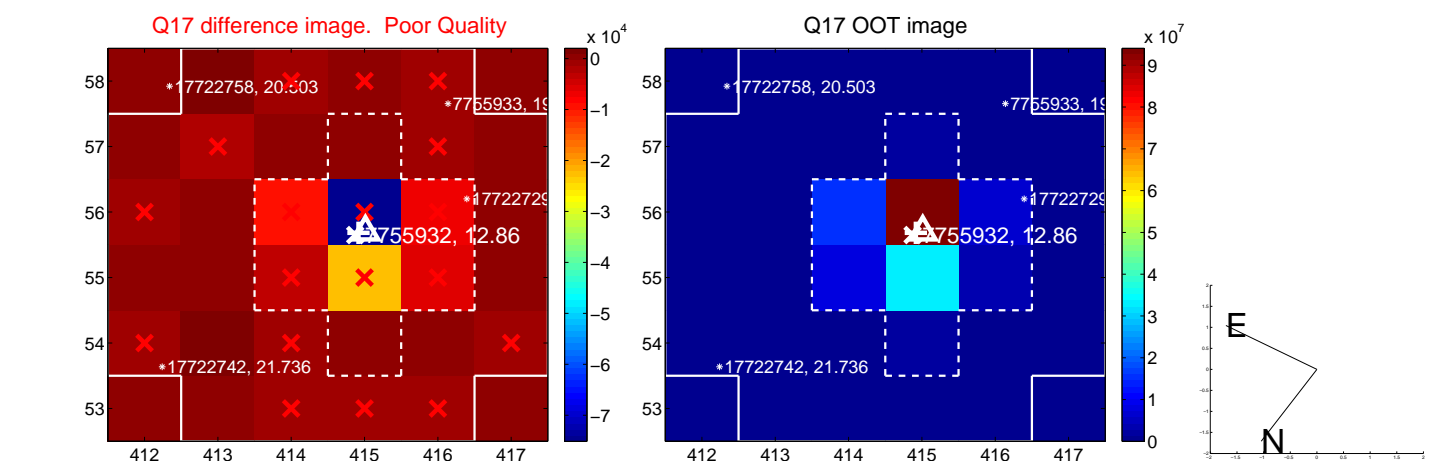
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

