

KIC 006675944

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})
006675944-01	OBS	No	0.504969	131.928686	187.4	1.352	15.1	18.9	3.82	7613	5.61	0.00
006675944-02	OBS	No	0.504970	131.761868	186.8	1.103	12.7	18.6	3.82	7613	6.17	0.00
006675944-03	OBS	No	0.504970	131.592245	94.9	1.497	12.3	9.9	3.82	7613	4.38	0.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006675944-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_POS_ALT
006675944-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA_TRACKER—LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD
006675944-03	OBS	FP	0.00	1	0	0	0	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.

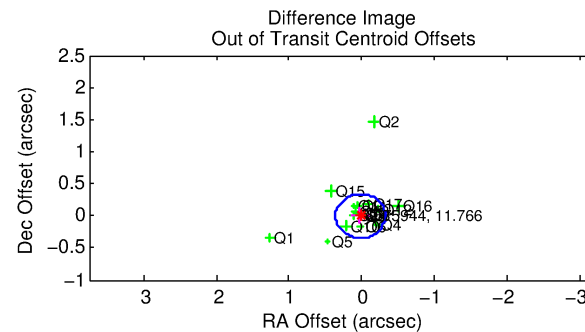
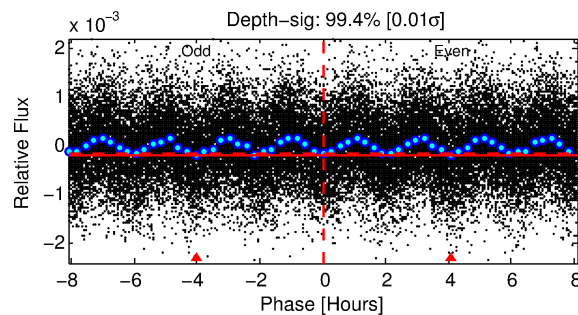
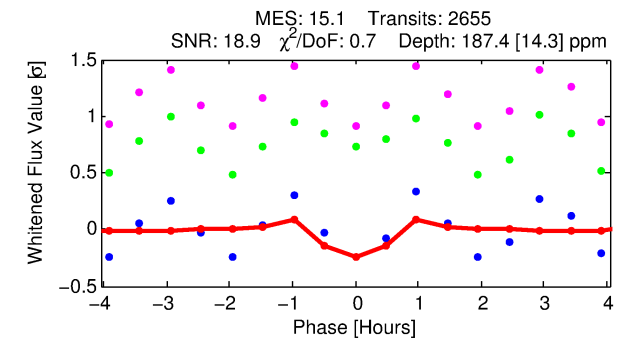
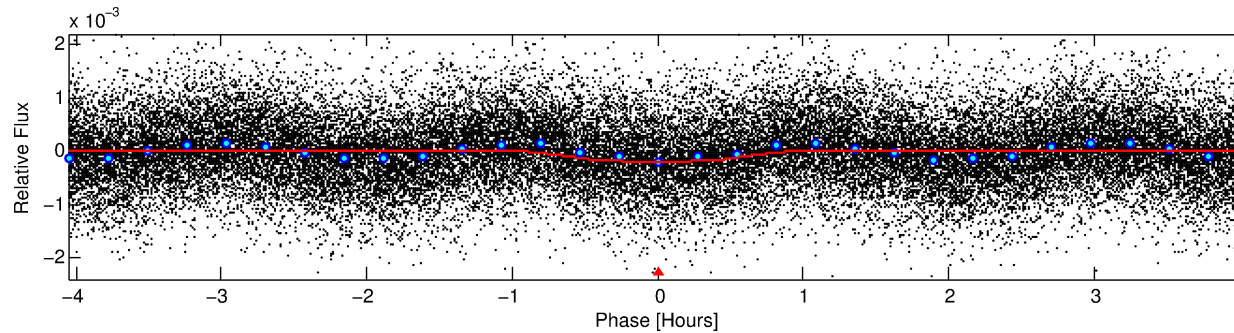
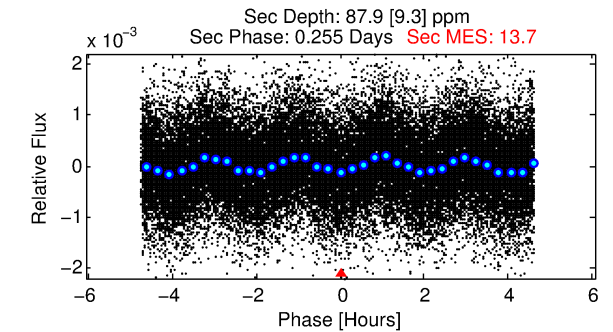
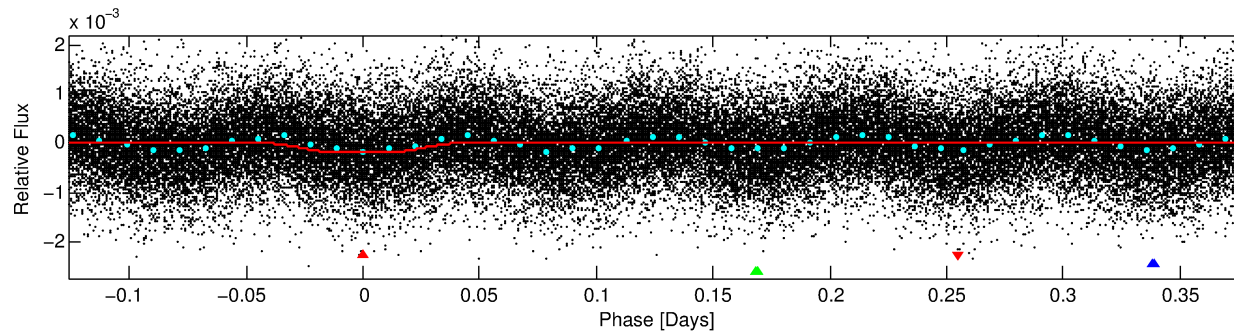
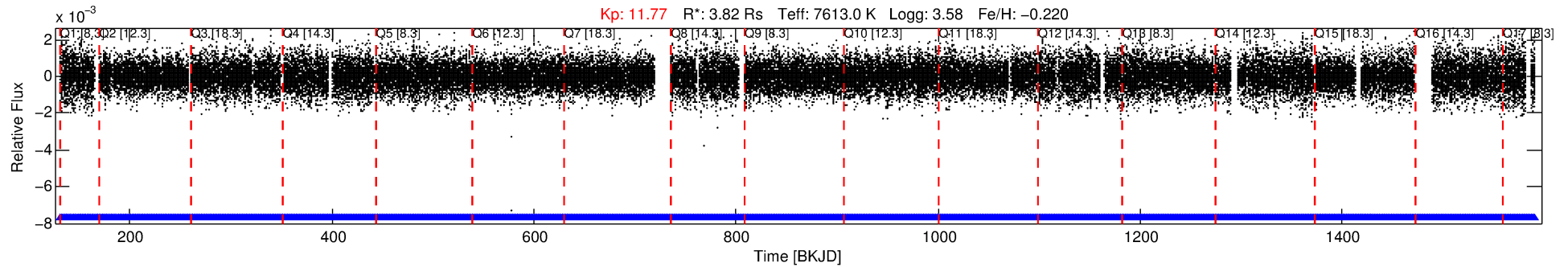
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006675944-01

No Significant Match Found

DV One-Page Summary

KIC: 6675944 Candidate: 1 of 3 Period: 0.505 d



DV Fit Results:

Period = 0.50497 [0.00001] d
Epoch = 131.9287 [0.0007] BKJD
Rp/R* = 0.0135 [0.0021]
a/R* = 2.25 [1.40]
b = 0.70 [0.57]
Seff = N/A
Teq = N/A
Rp = 5.61 [3.21] Re
a = N/A
Ag = N/A
Teffp = N/A

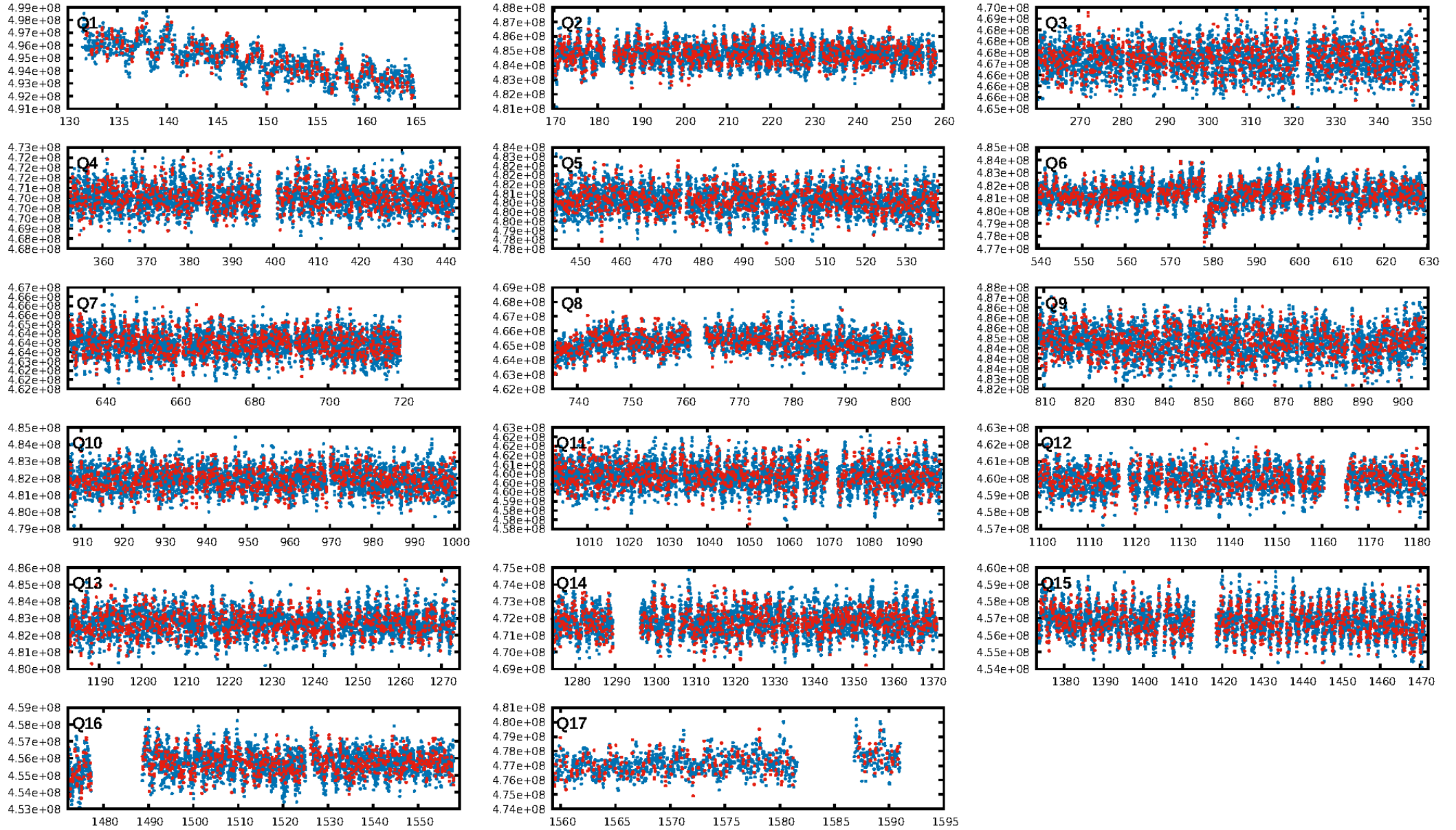
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [2537/2537]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: 0.021 arcsec [0.18σ]
KicOffset-rm: 0.048 arcsec [0.47σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 0.00 [0/17]

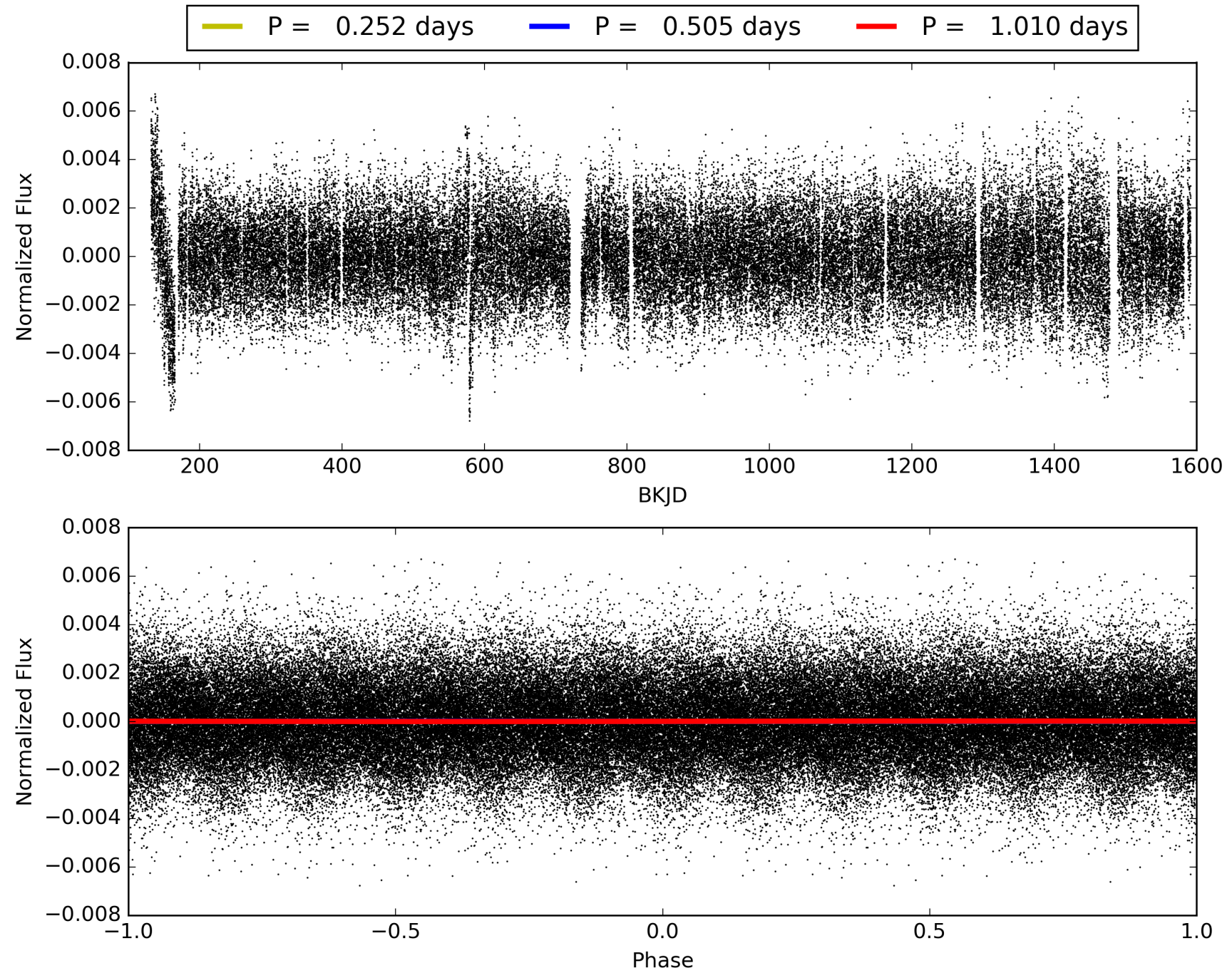
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 00:36:59 Z

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

TCE 006675944-01, PDC Light Curves

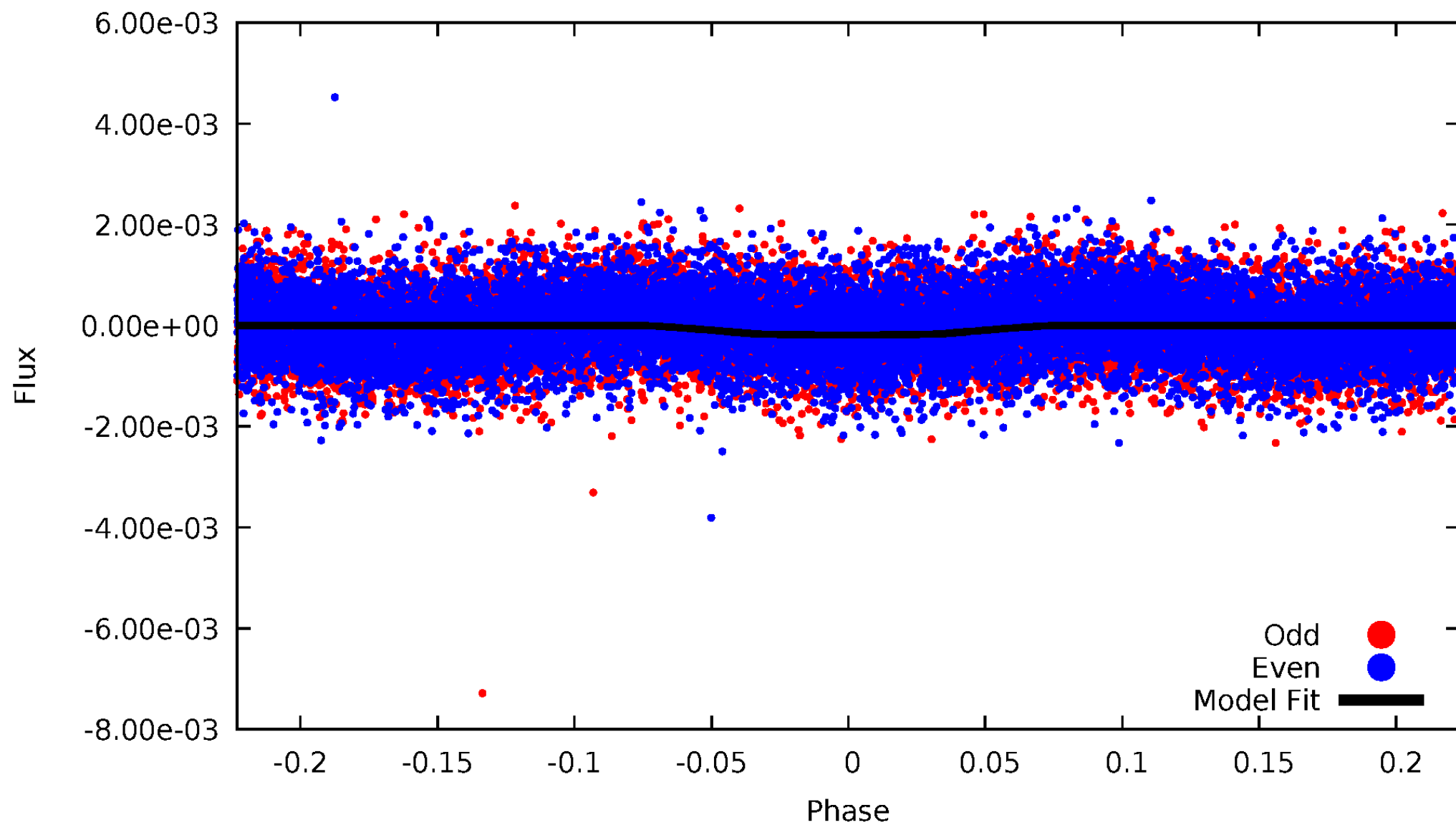


TCE 006675944-01



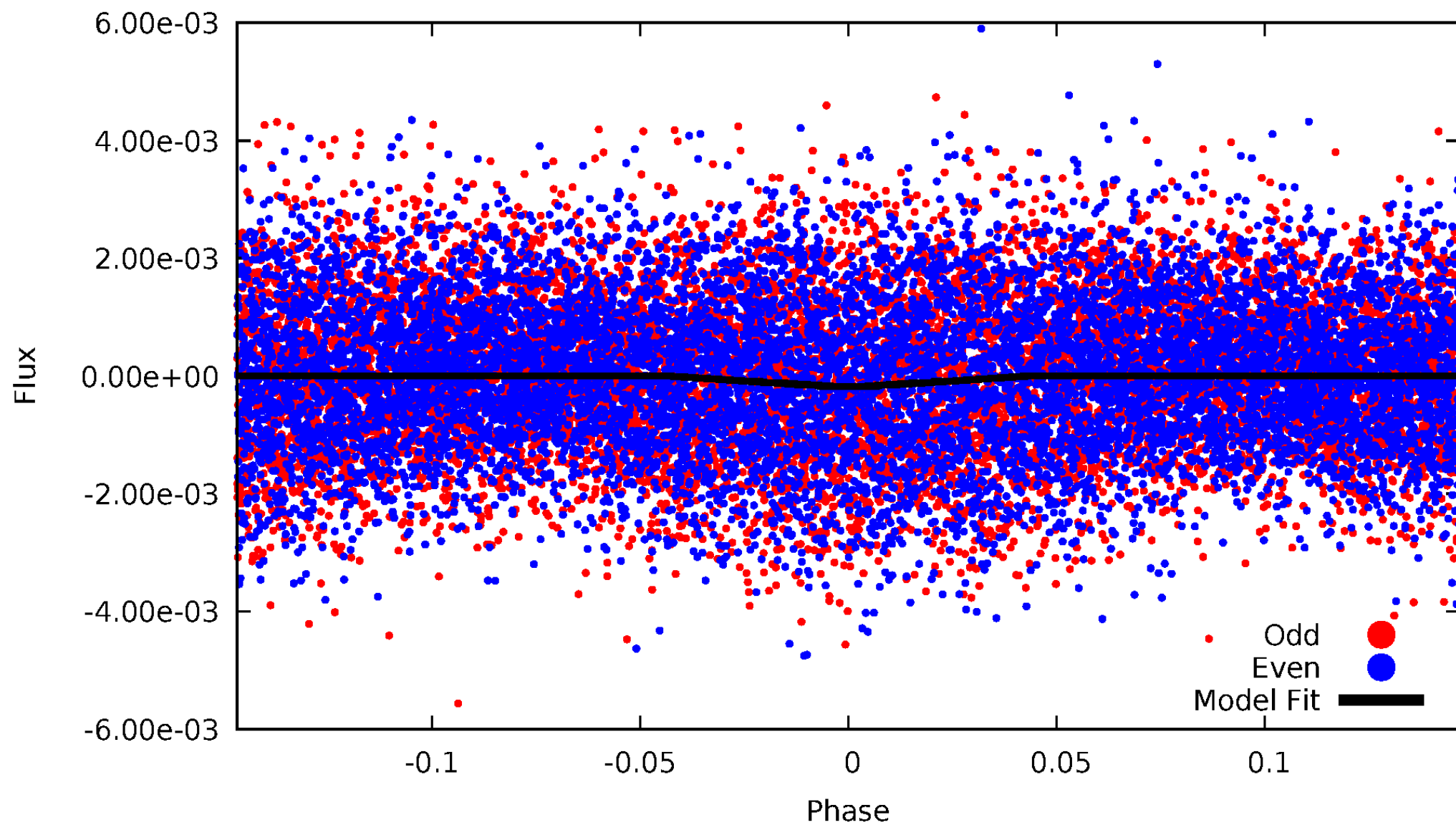
DV Odd/Even

TCE 006675944-01

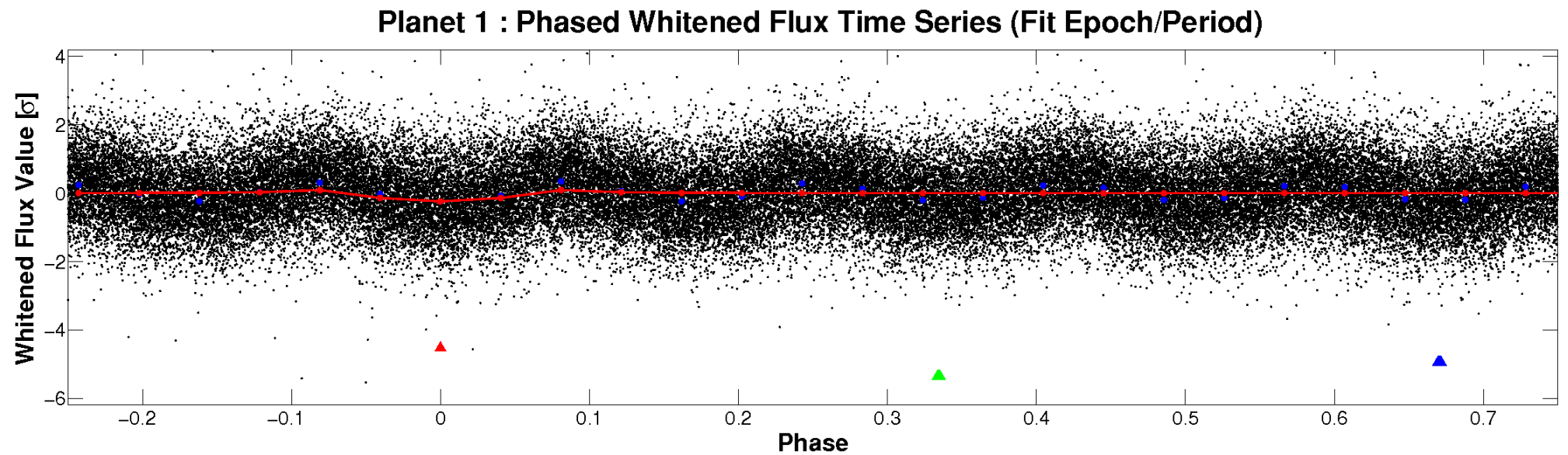
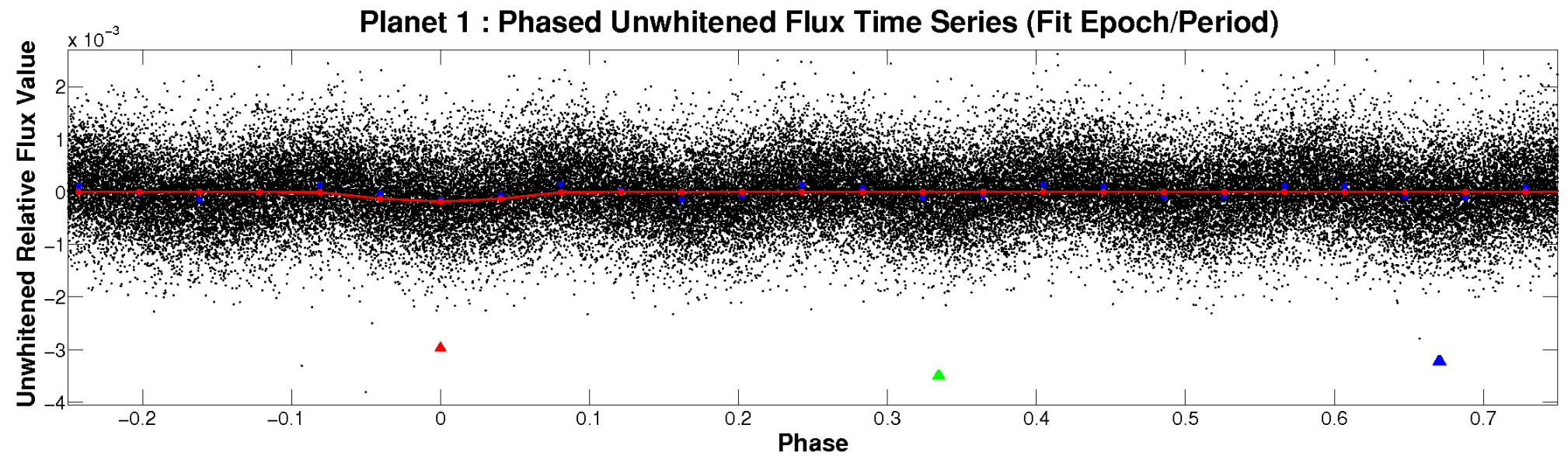


ALT Odd/Even

TCE 006675944-01

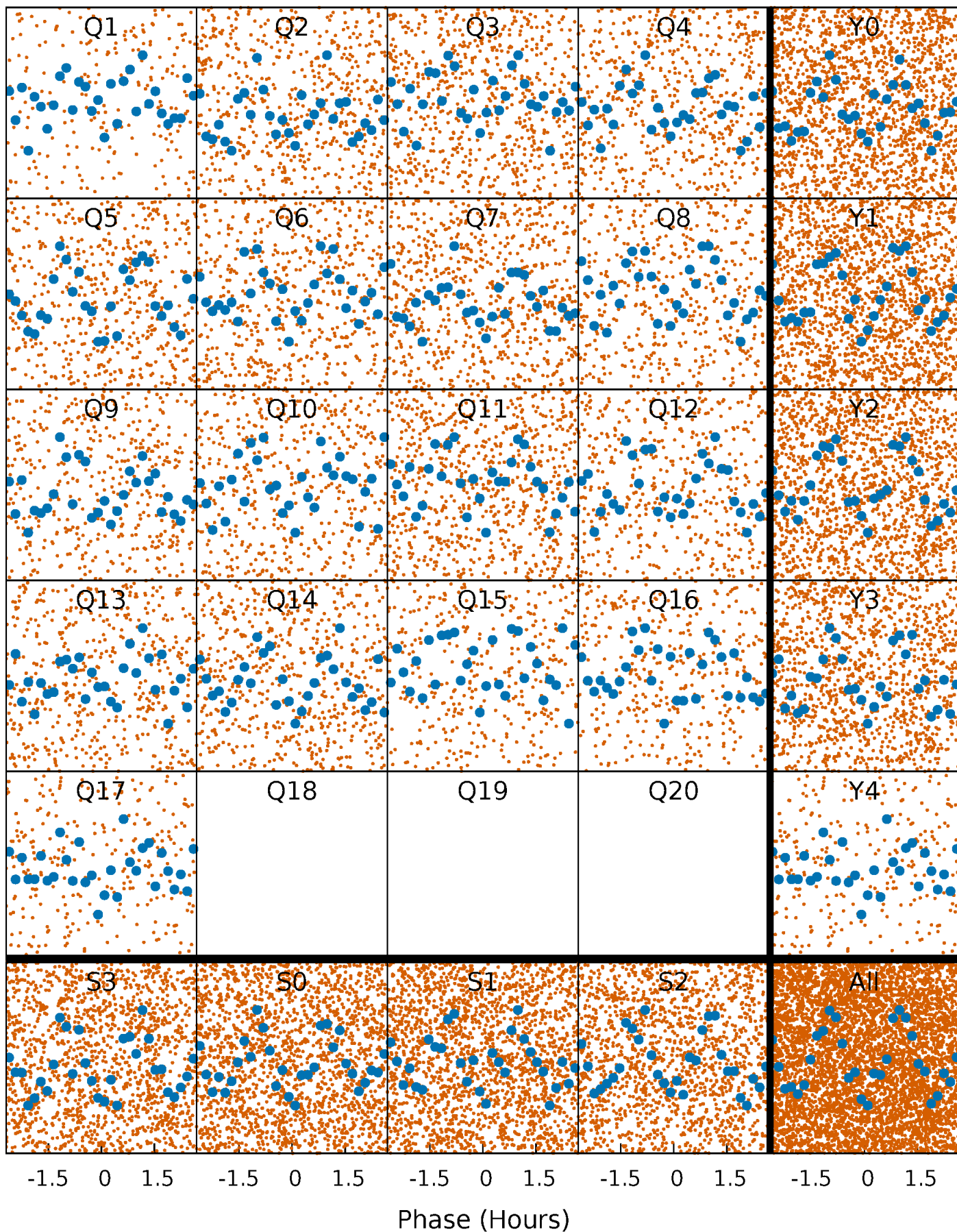


Non-Whitened Vs. Whitened Light Curve



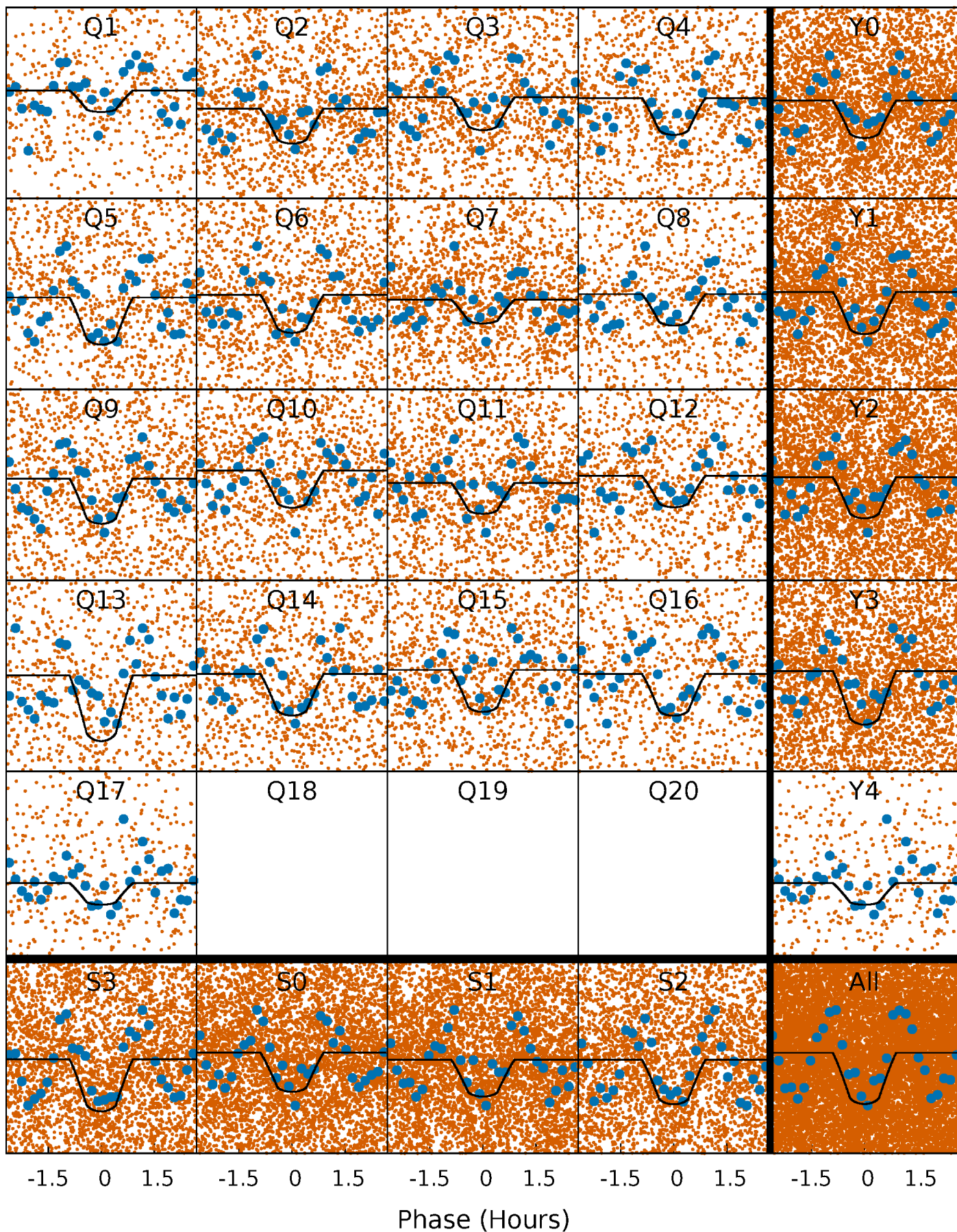
PDC Quarter-Phased Transit Curves

TCE 006675944-01 P= 0.504969 Days $T_0=131.928686$ (BKJD)



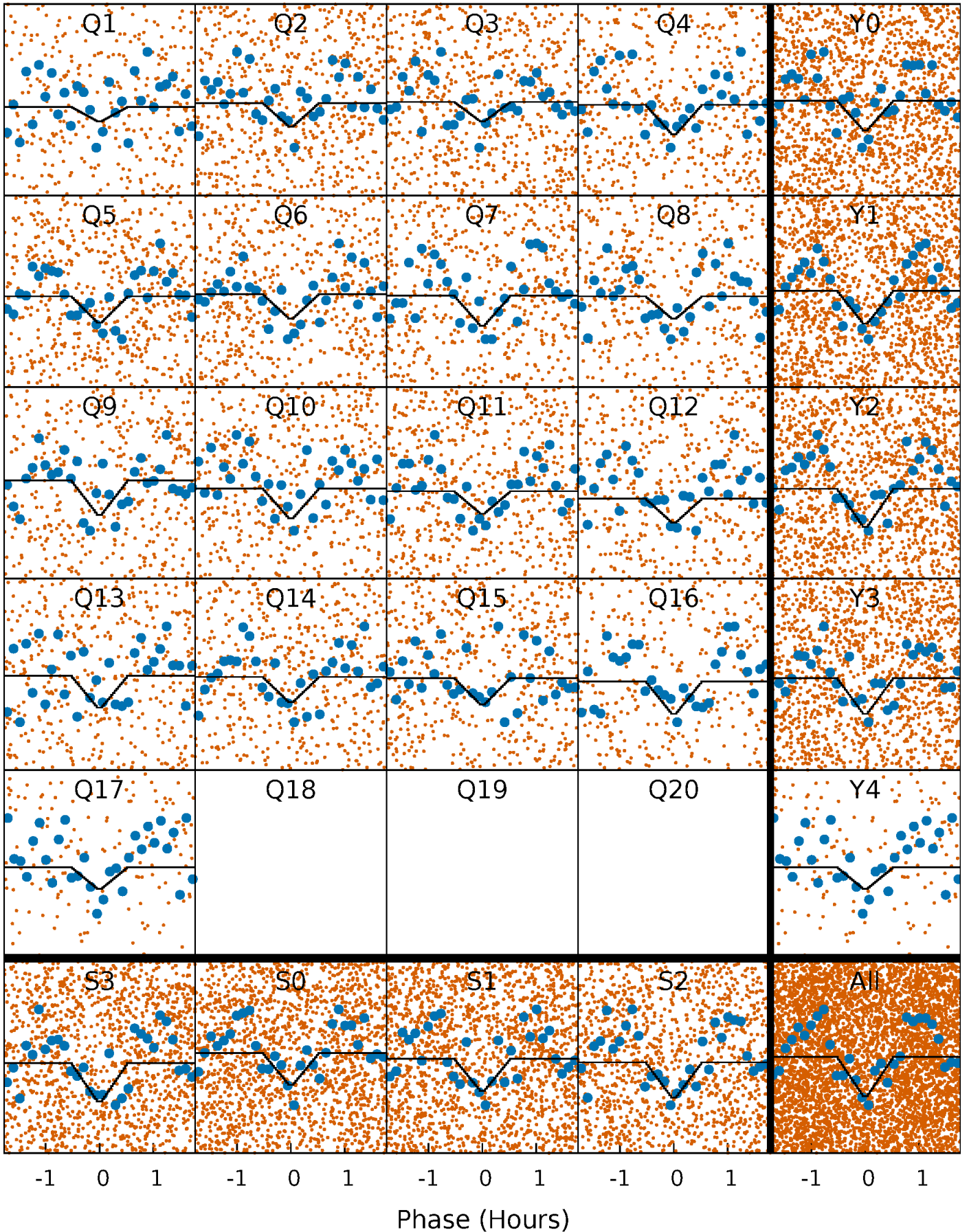
DV Quarter-Phased Transit Curves

TCE 006675944-01 P= 0.504969 Days $T_0=131.928686$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

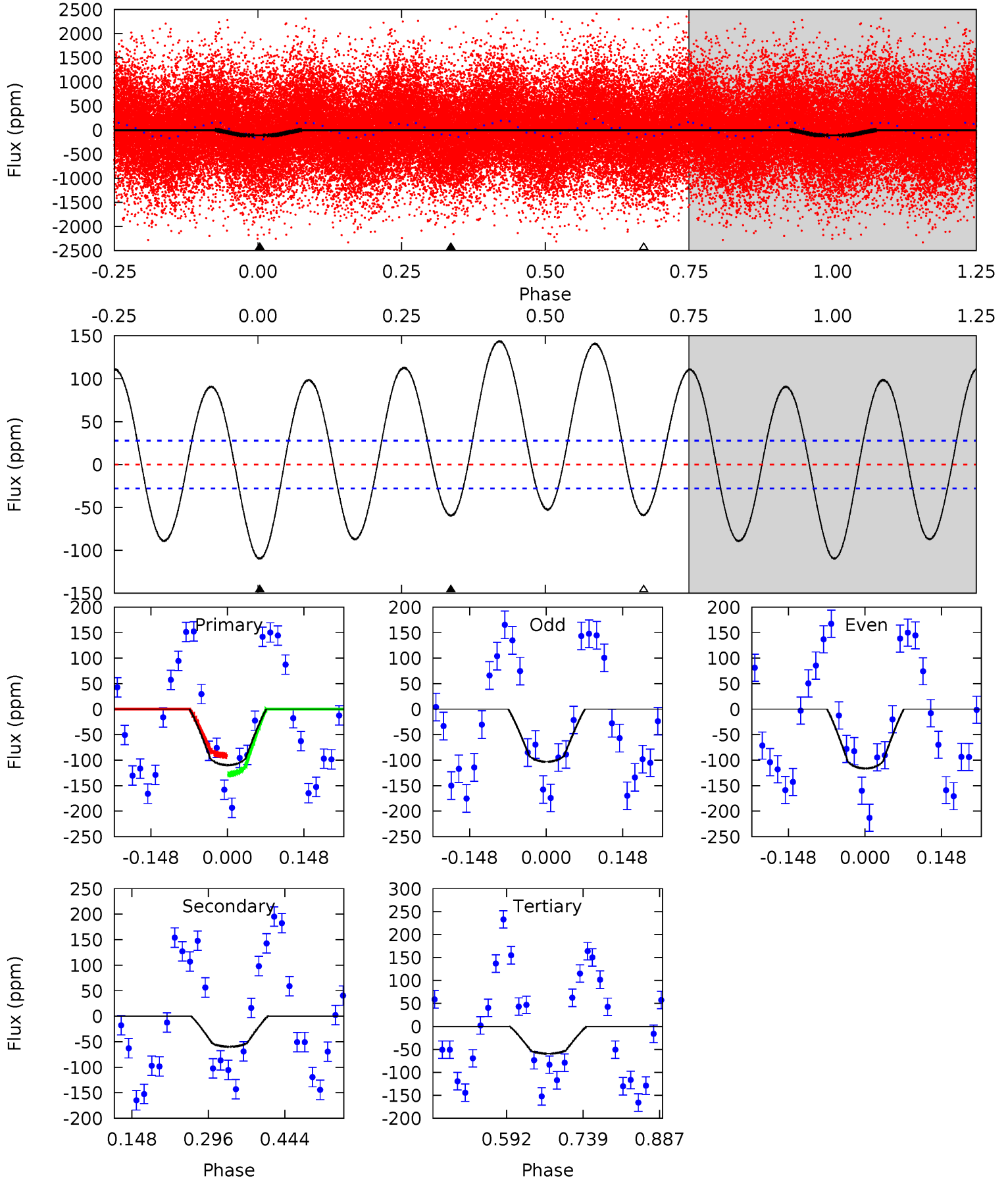
TCE 006675944-01 P= 0.504970 Days $T_0=131.928658$ (BKJD)



DV Model-Shift Uniqueness Test

006675944-01, P = 0.504969 Days, E = 131.423717 Days

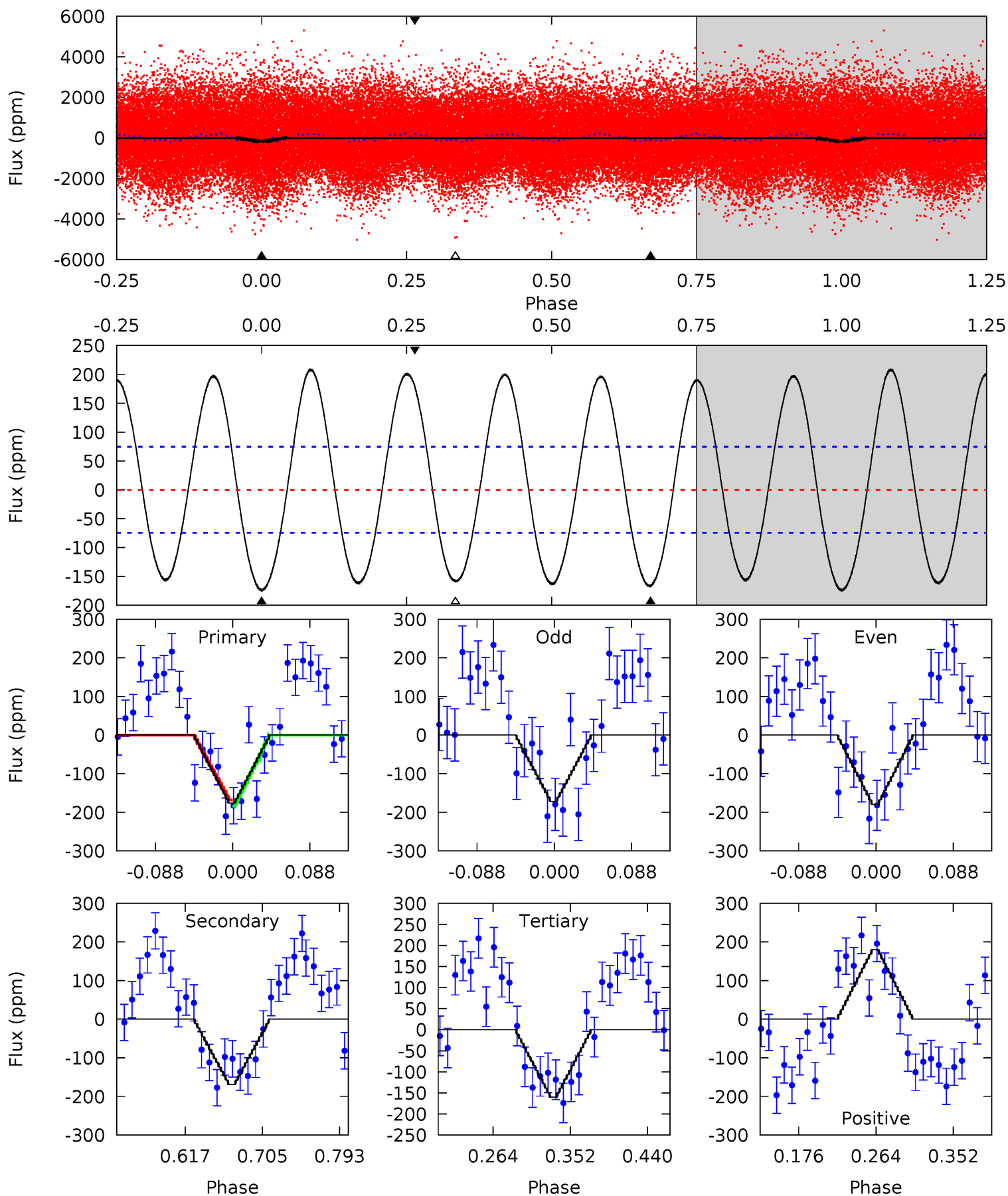
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
17.7	9.61	9.55	0	4.48	1.45	11.9	8.13	17.7	0.07	9.61	1.05	0.86	0.57	2.99



Alt Model-Shift Uniqueness Test

006675944-01, P = 0.504970 Days, E = 131.423688 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.8	10.4	9.86	11.1	4.59	1.71	7.71	0.97	-0.24	0.54	-0.67	0.23	1.12	0.54	0.50



Stellar Parameters For KIC 006675944

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7613^{+235}_{-314}	$3.576^{+0.567}_{-0.063}$	$-0.220^{+0.250}_{-0.300}$	$3.816^{+0.525}_{-2.101}$	$2.003^{+0.072}_{-0.541}$	$0.051^{+0.370}_{-0.010}$
	+3%/-4%	+16%/-2%	+114%/-136%	+14%/-55%	+4%/-27%	+729%/-21%
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 006675944-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-60 ± 6	$4.89^{+1.28}_{-1.54}$	6951^{+557}_{-1073}	3536^{+1615}_{-8085}	$0.330^{+0.318}_{-0.122}$
Alt.	-169 ± 16	$4.81^{+1.30}_{-1.40}$	6952^{+570}_{-998}	6675^{+1036}_{-907}	$0.950^{+0.812}_{-0.342}$

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 $A_{obs} \gg 1.0$

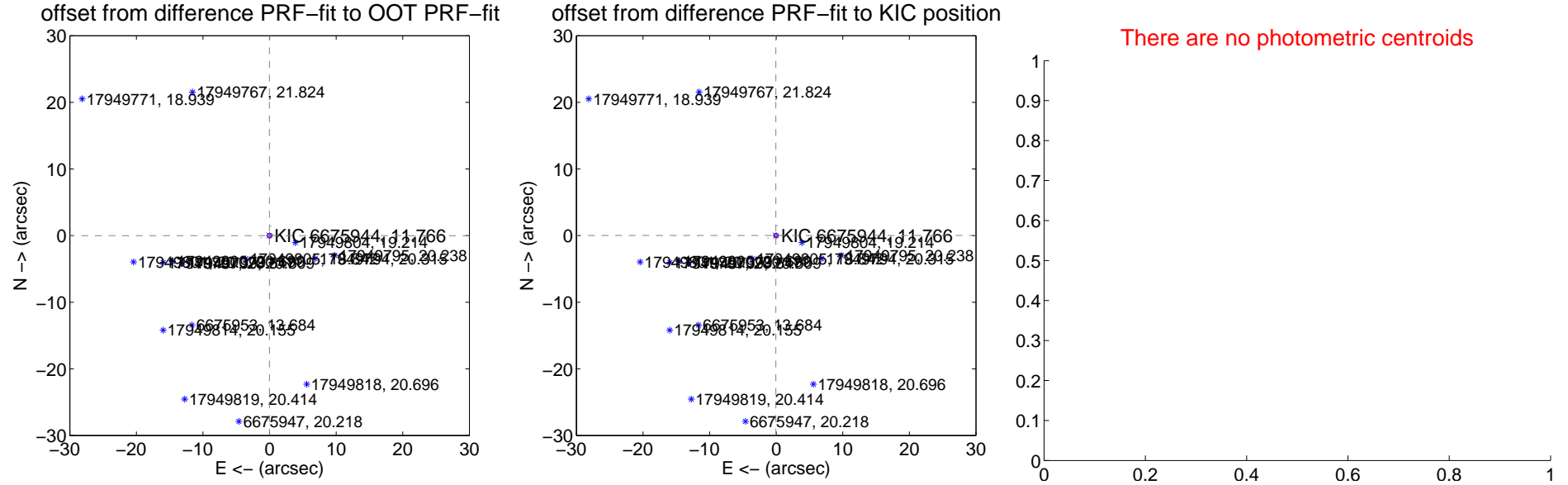
DV Centroid Data

Supplemental centroid analysis for 006675944-01. **Kepler magnitude: 11.77.** Transit SNR 18.85

There are 17 quarters with good PRF difference image offsets

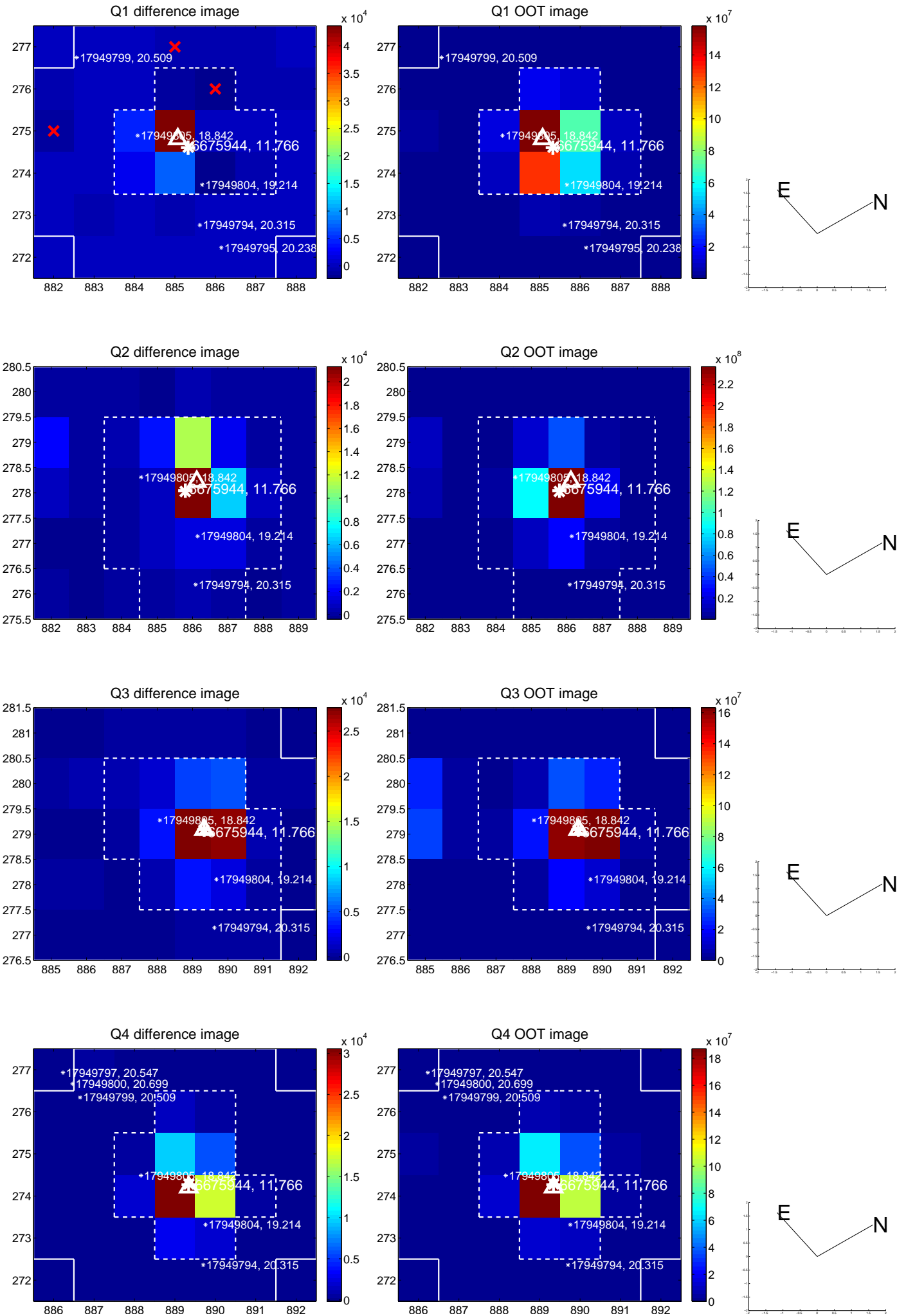
The direct PRF centroid is offset from the target star catalog position by about 0.12 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.021 ± 0.114	0.18	0.020 ± 0.109	-0.005 ± 0.114
PRF-fit source offset from KIC position	0.048 ± 0.103	0.47	0.046 ± 0.113	0.015 ± 0.118
photometric centroid source offset	—	—	—	—

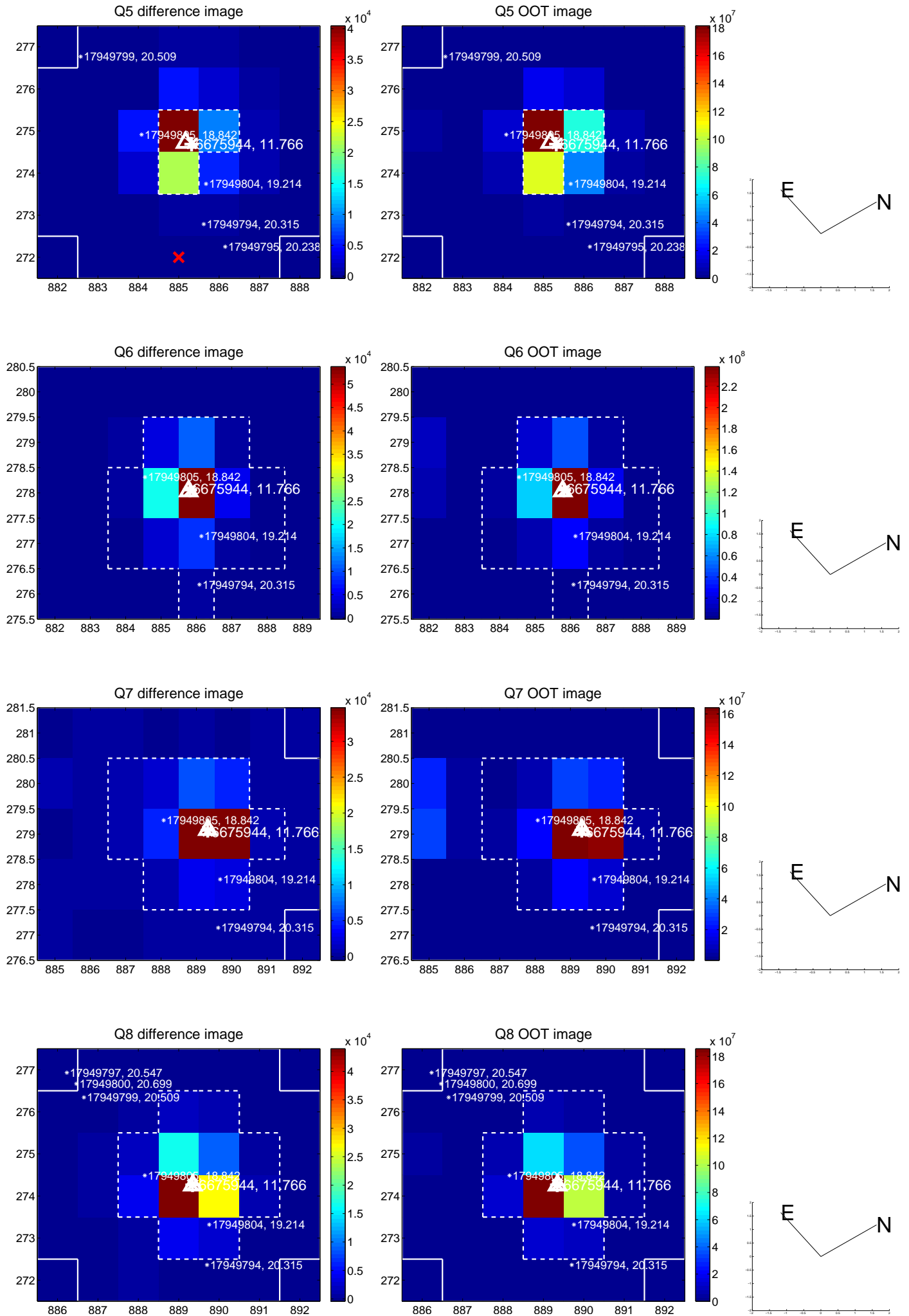


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

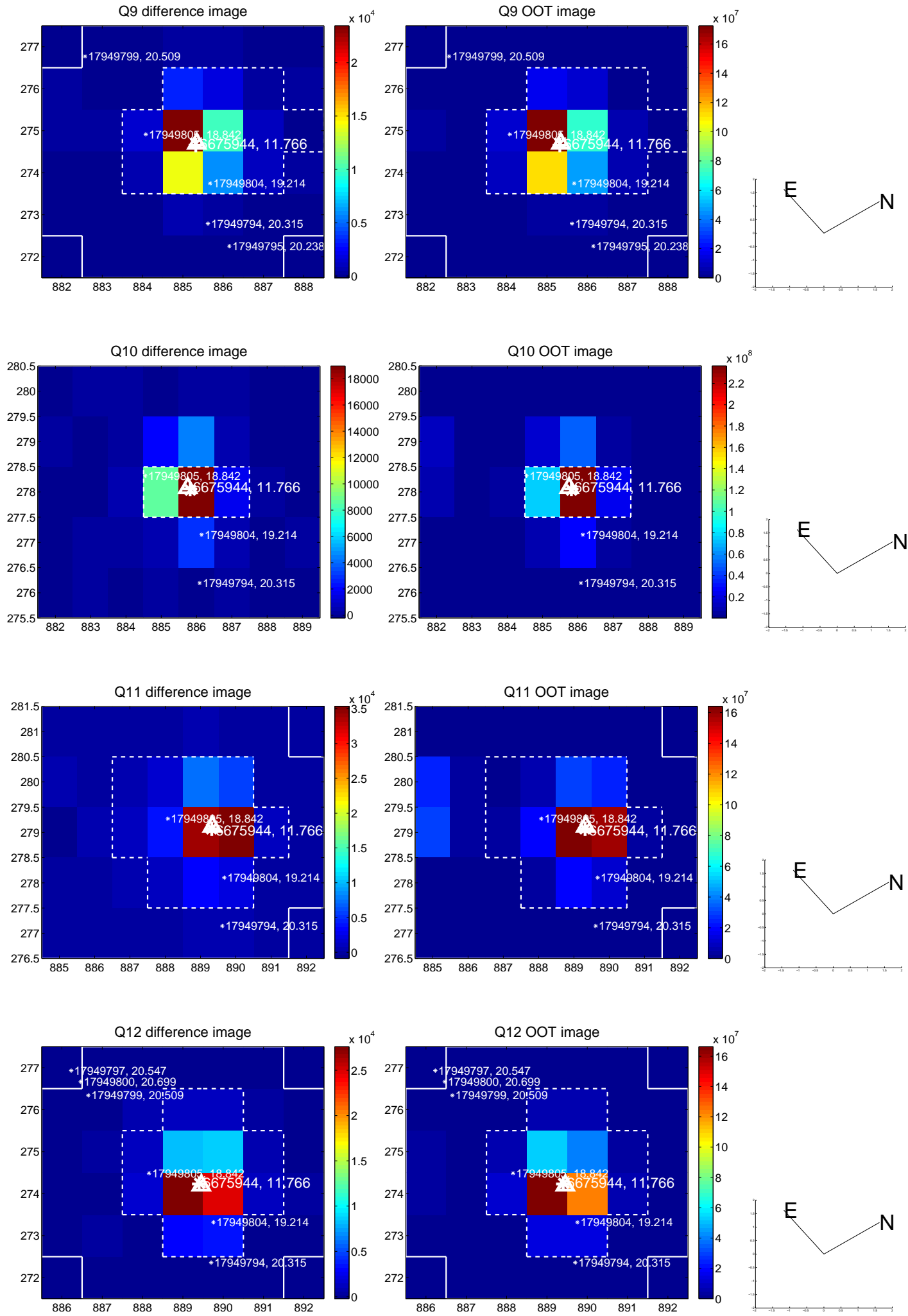
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



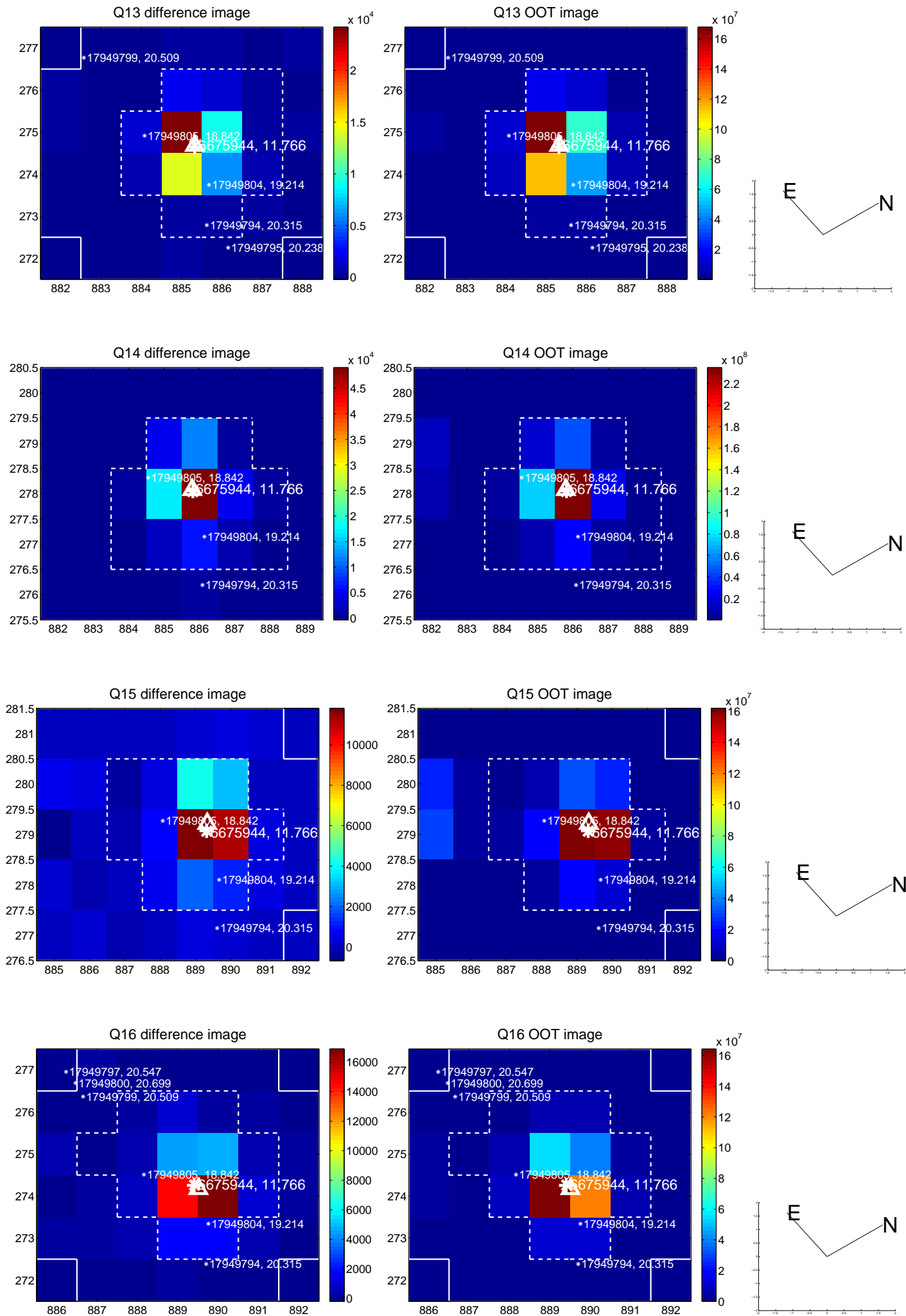
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



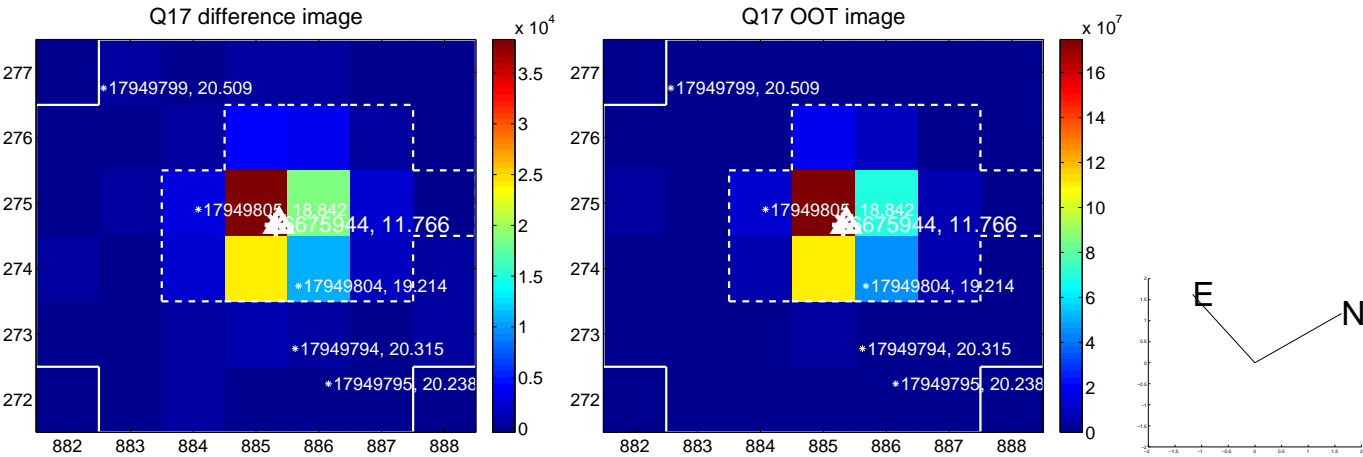
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



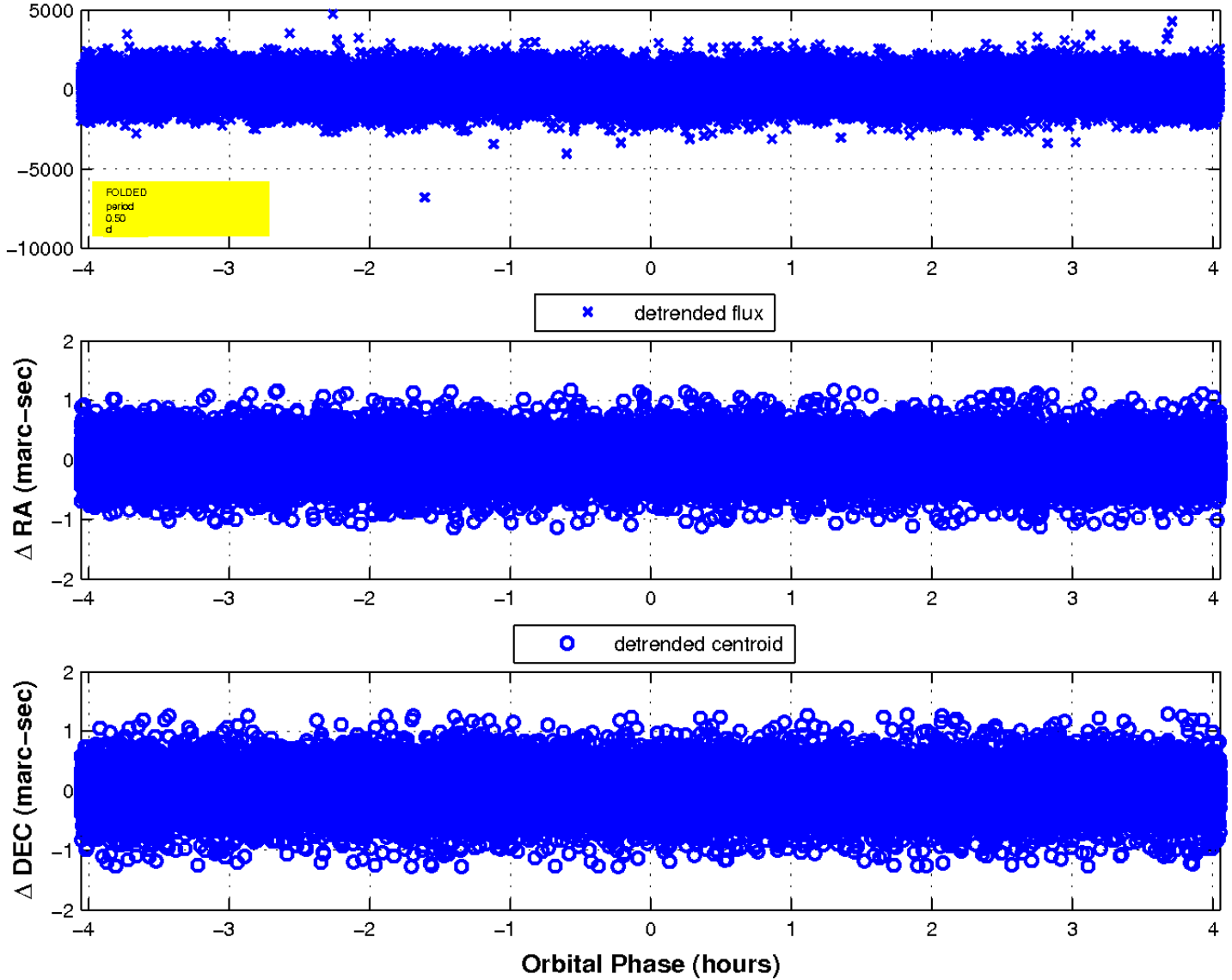
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

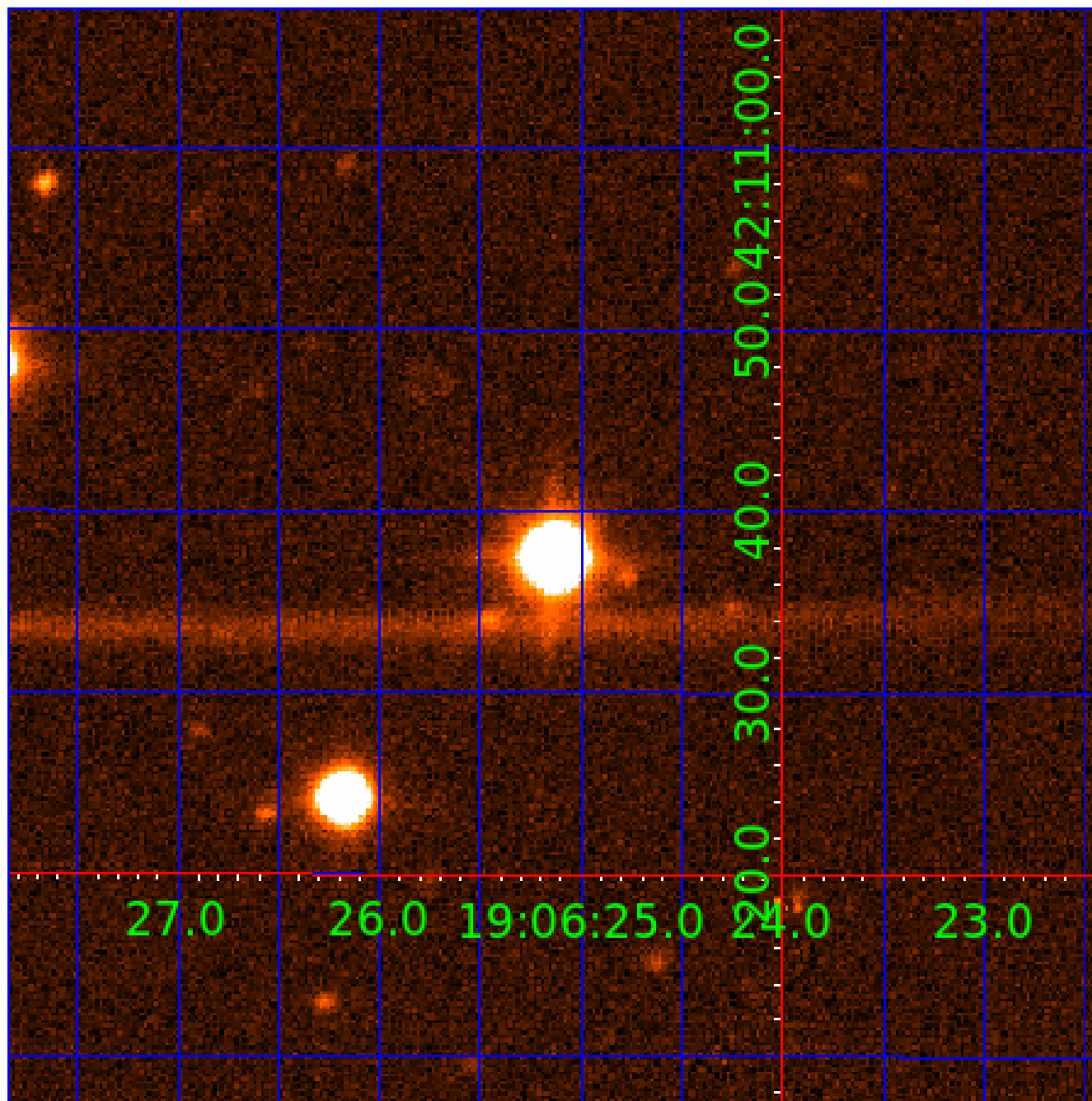


fluxWeightedCentroids, Planet 1 of 3



UKIRT Image

Declination



KIC 006675944

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})
006675944-01	OBS	No	0.504969	131.928686	187.4	1.352	15.1	18.9	3.82	7613	5.61	0.00
006675944-02	OBS	No	0.504970	131.761868	186.8	1.103	12.7	18.6	3.82	7613	6.17	0.00
006675944-03	OBS	No	0.504970	131.592245	94.9	1.497	12.3	9.9	3.82	7613	4.38	0.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006675944-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_POS_ALT
006675944-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA_TRACKER—LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD
006675944-03	OBS	FP	0.00	1	0	0	0	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.

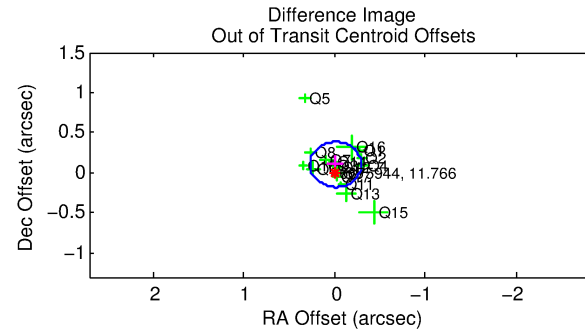
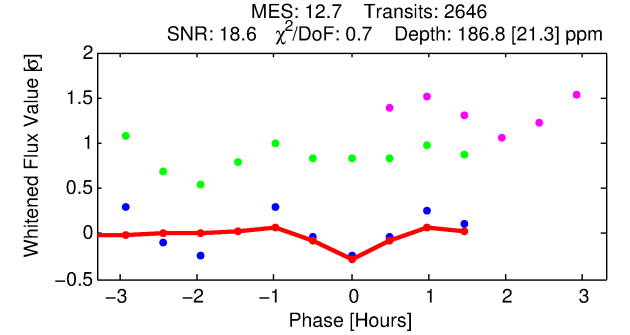
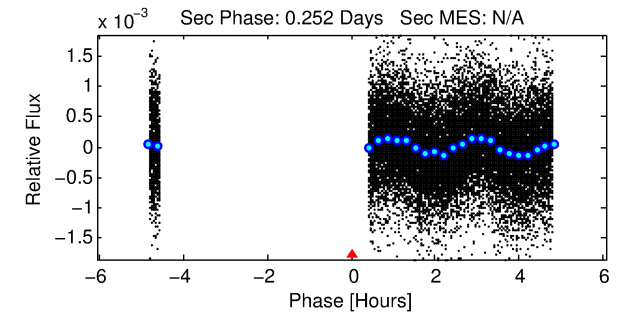
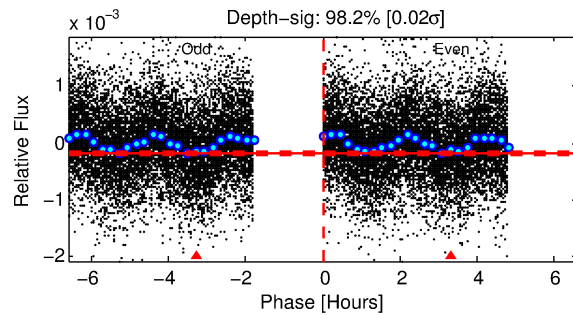
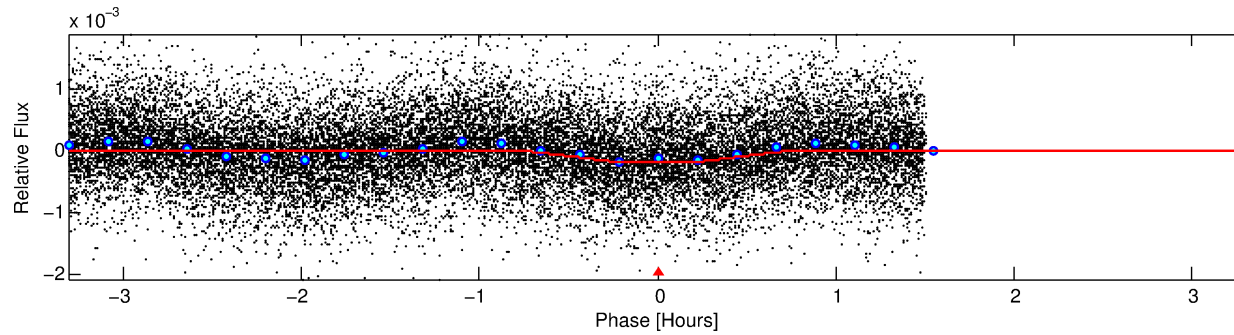
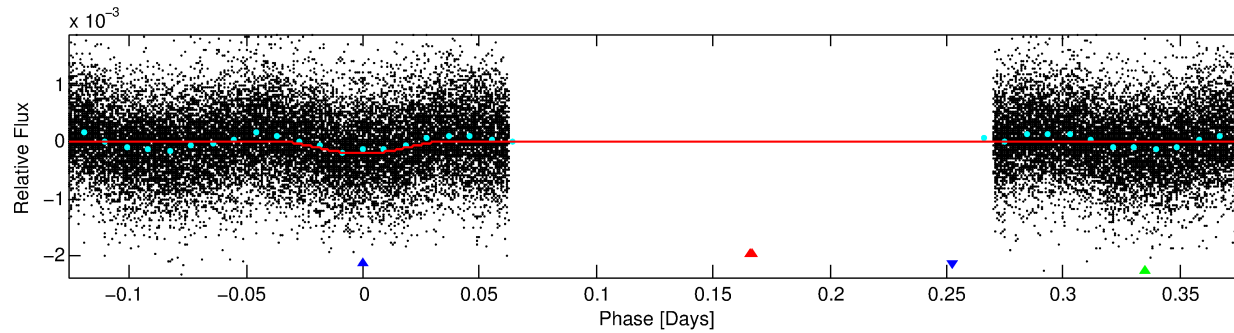
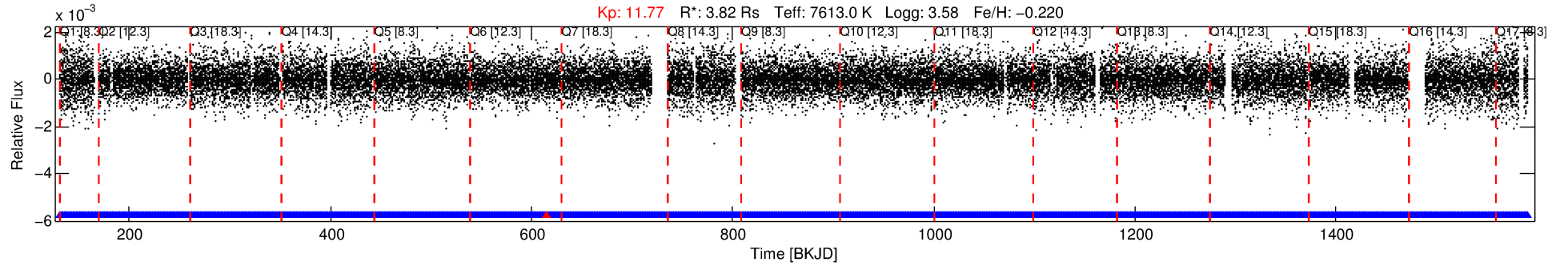
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006675944-02

No Significant Match Found

DV One-Page Summary

KIC: 6675944 Candidate: 2 of 3 Period: 0.505 d



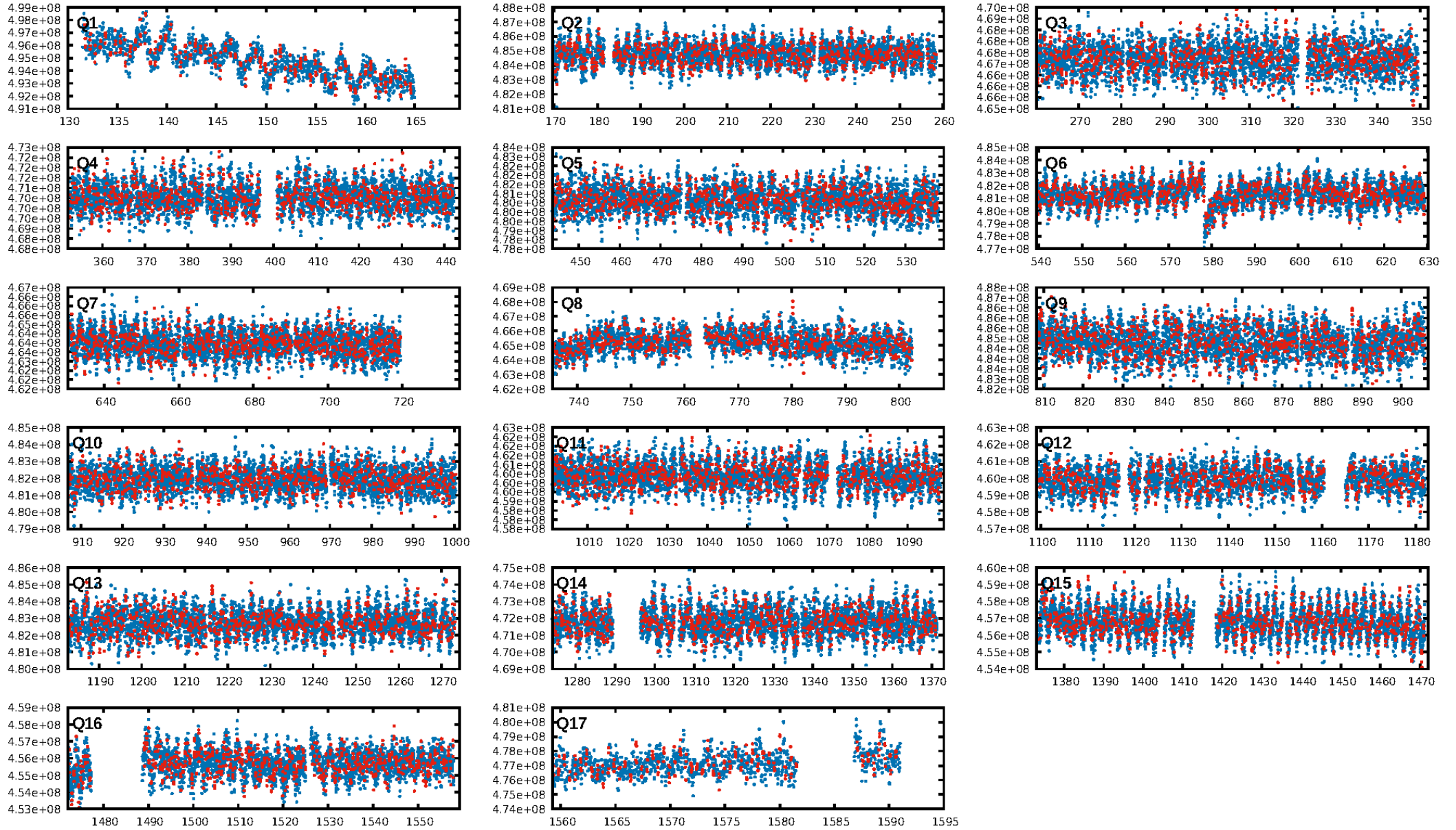
DV Fit Results:

Period = 0.50497 [0.00001] d
Epoch = 131.7619 [0.0007] BKJD
 $R_p/R^* = 0.0148$ [0.0035]
 $a/R^* = 1.89$ [1.73]
 $b = 0.90$ [0.27]
 $\text{Seff} = \text{N/A}$
 $\text{Teq} = \text{N/A}$
 $R_p = 6.17$ [3.70] R_e
 $a = \text{N/A}$

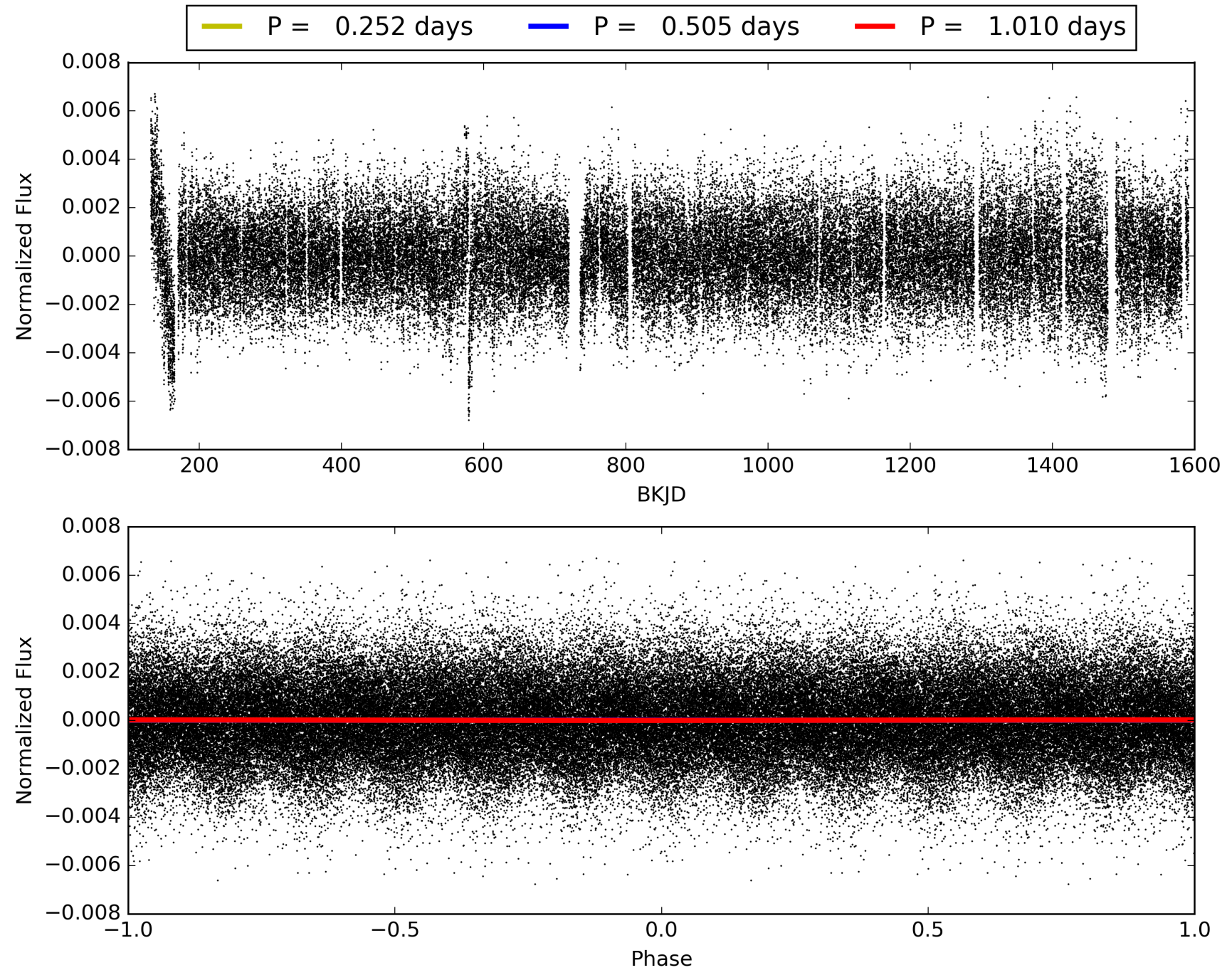
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [2526/2527]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: 0.102 arcsec [1.09 σ]
KicOffset-rm: 0.061 arcsec [0.69 σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 0.00 [0/17]

TCE 006675944-02, PDC Light Curves

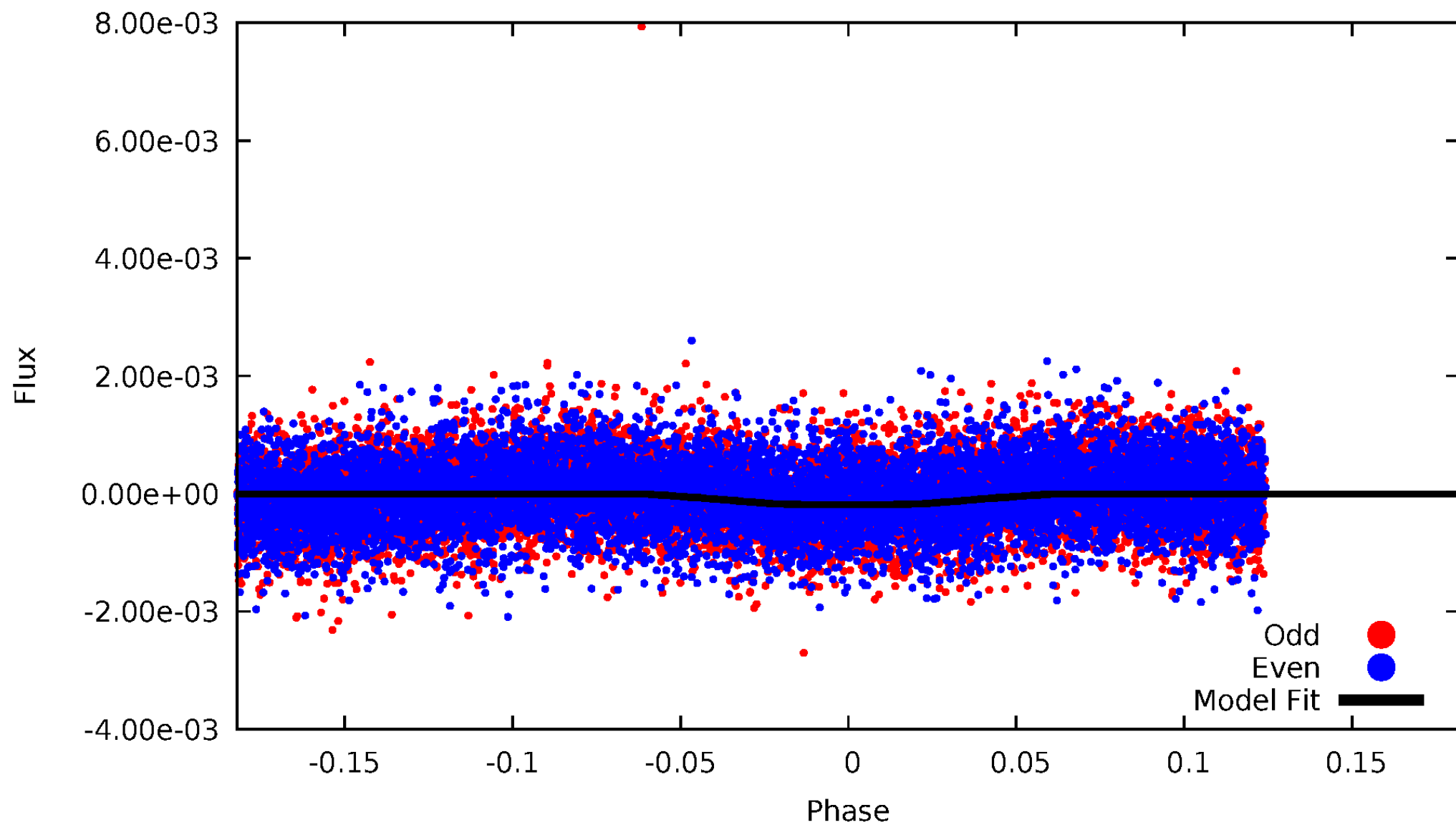


TCE 006675944-02



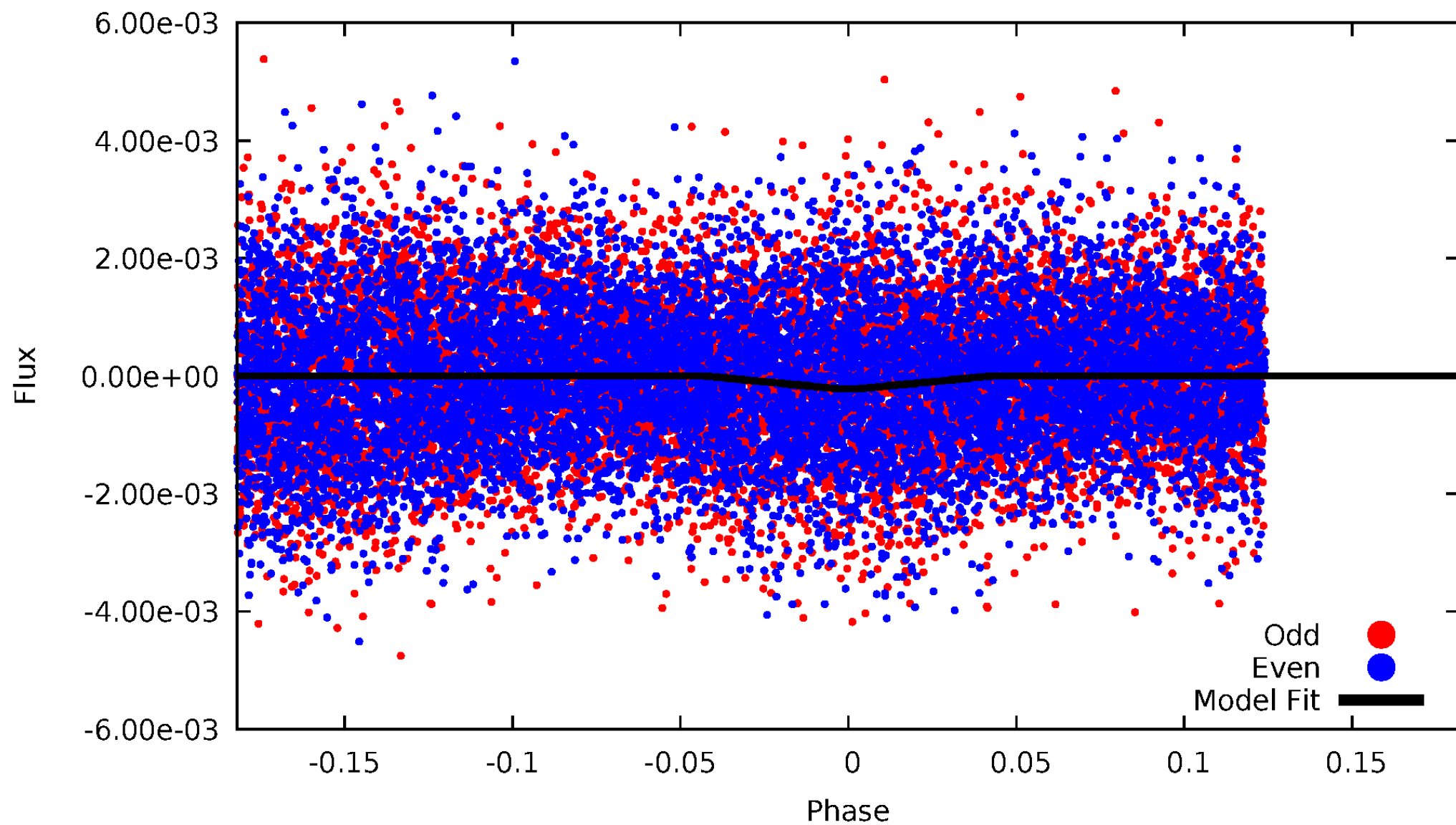
DV Odd/Even

TCE 006675944-02



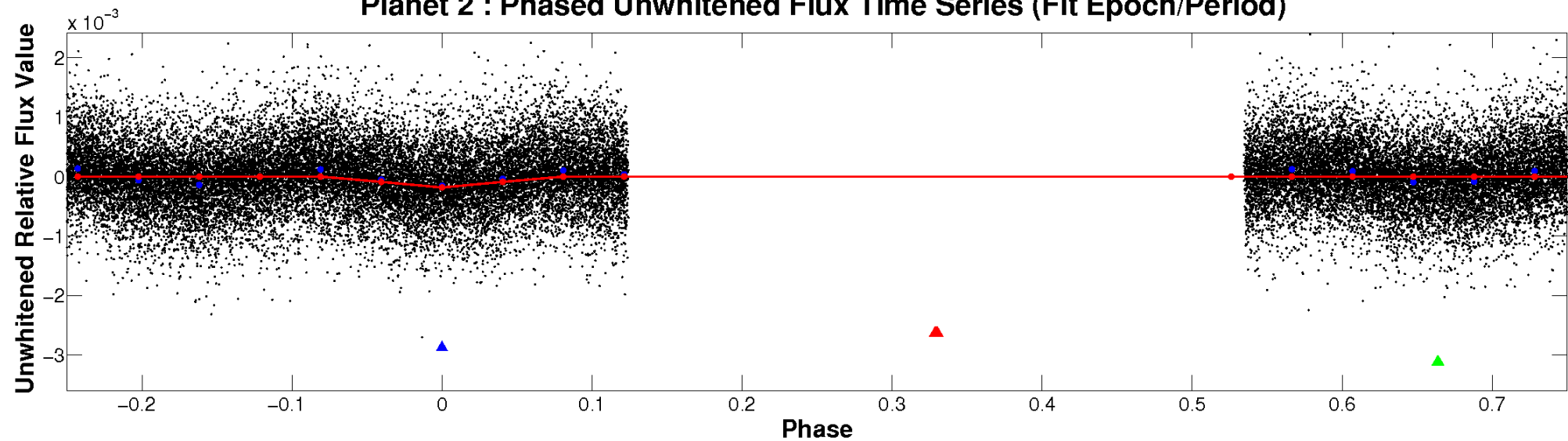
ALT Odd/Even

TCE 006675944-02

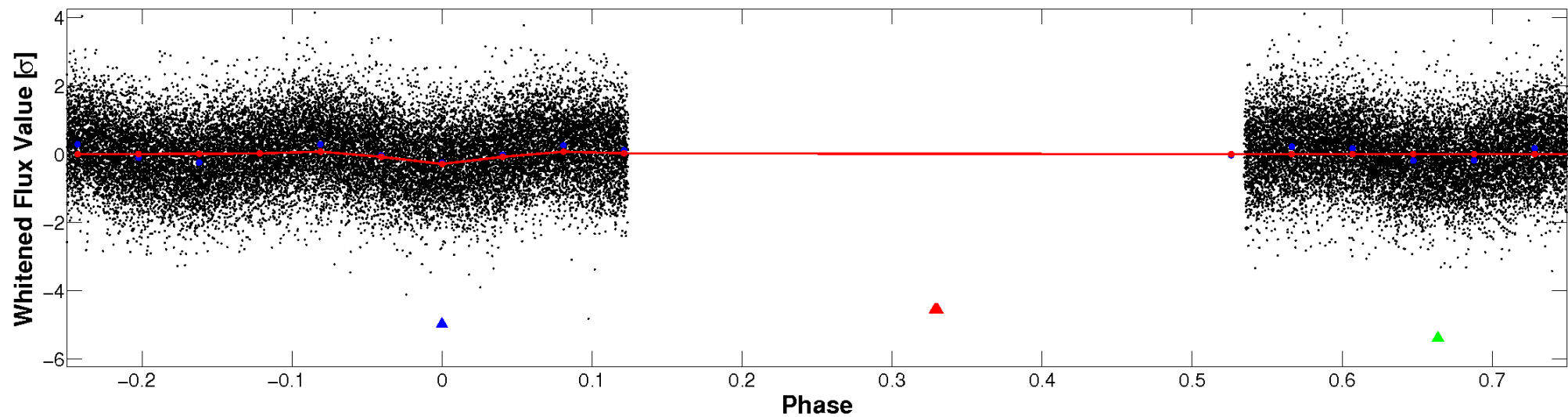


Non-Whitened Vs. Whitened Light Curve

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

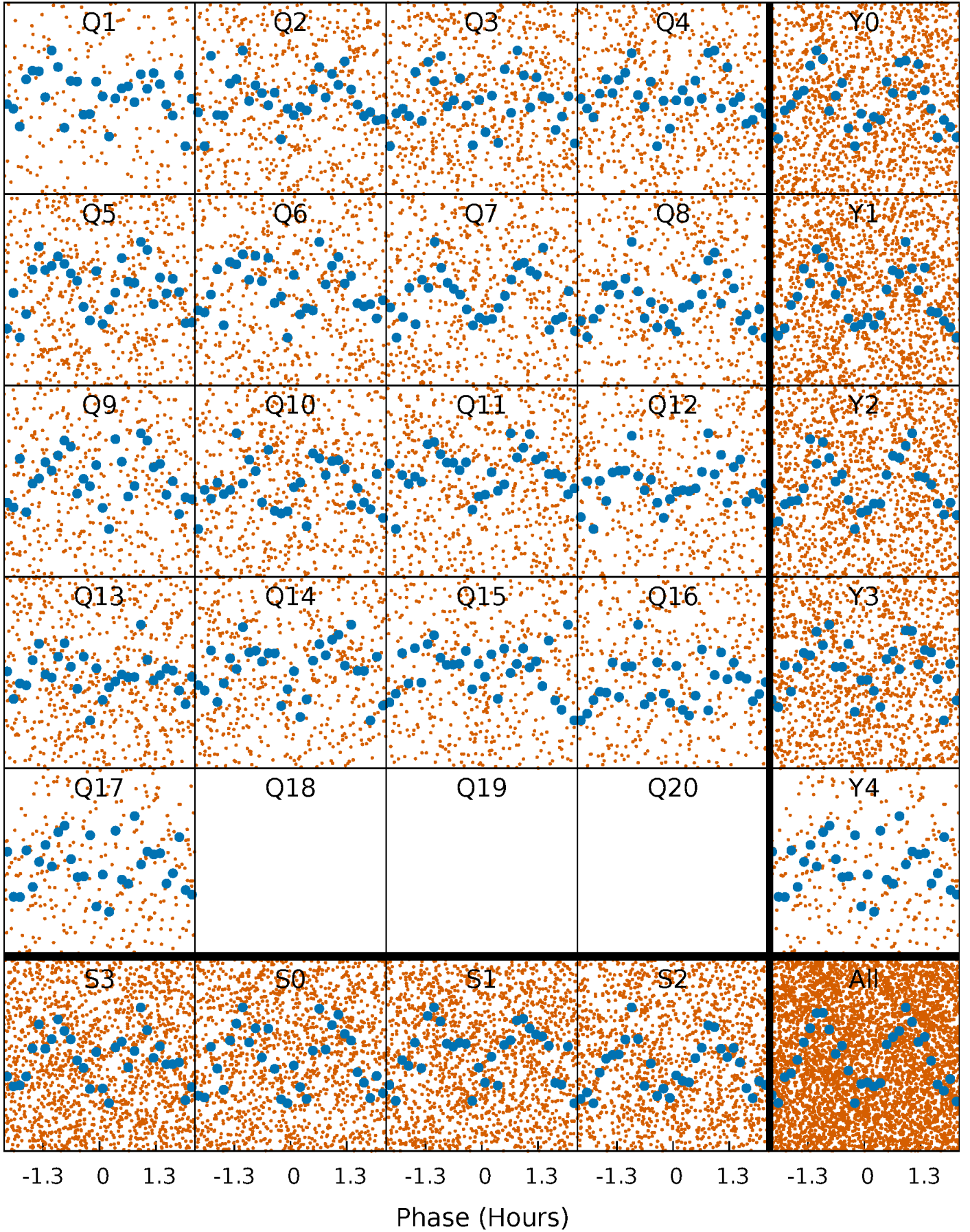


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



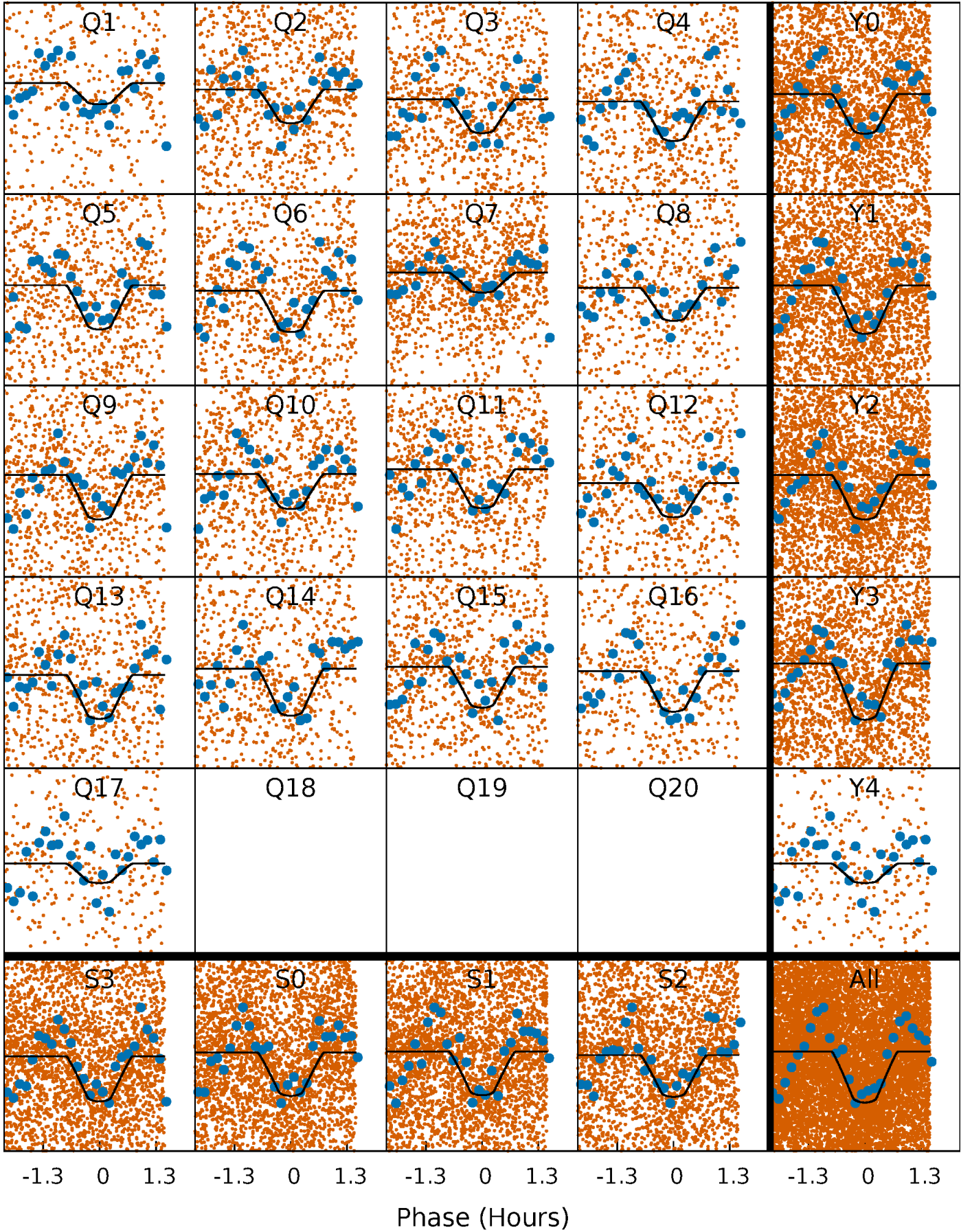
PDC Quarter-Phased Transit Curves

TCE 006675944-02 P= 0.504970 Days $T_0=131.761868$ (BKJD)



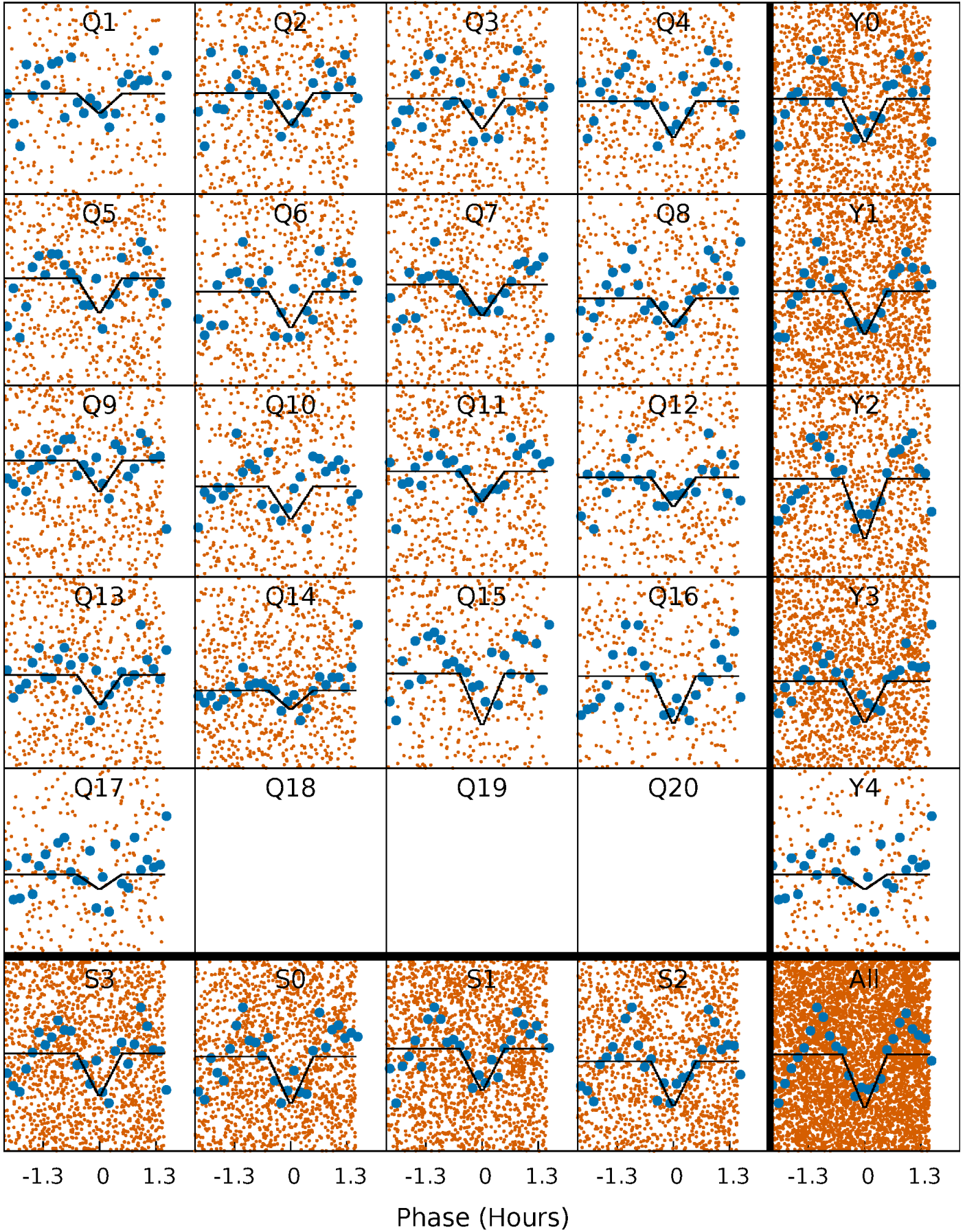
DV Quarter-Phased Transit Curves

TCE 006675944-02 P= 0.504970 Days $T_0=131.761868$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

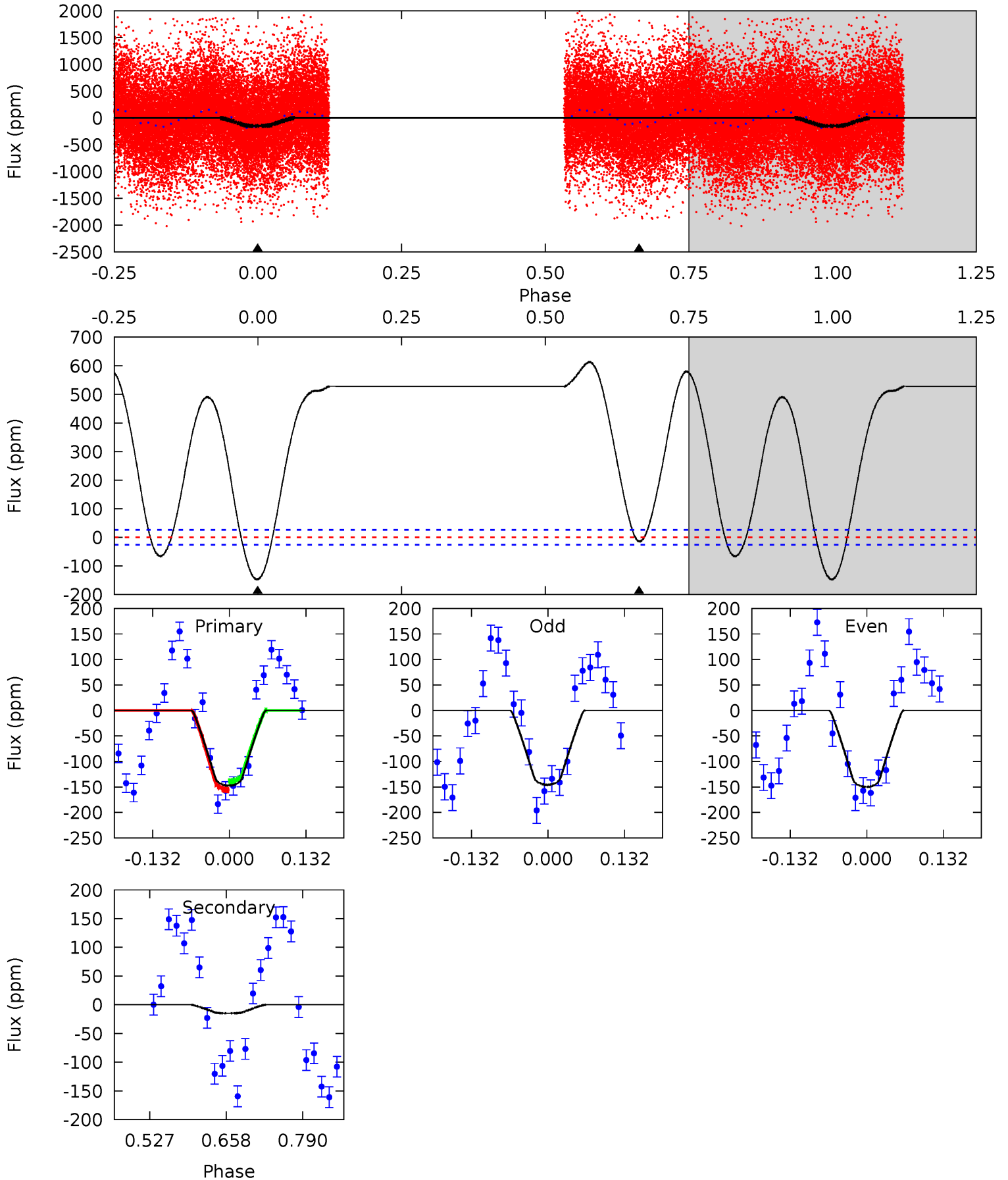
TCE 006675944-02 P= 0.504970 Days $T_0=131.761873$ (BKJD)



DV Model-Shift Uniqueness Test

006675944-02, P = 0.504970 Days, E = 131.256898 Days

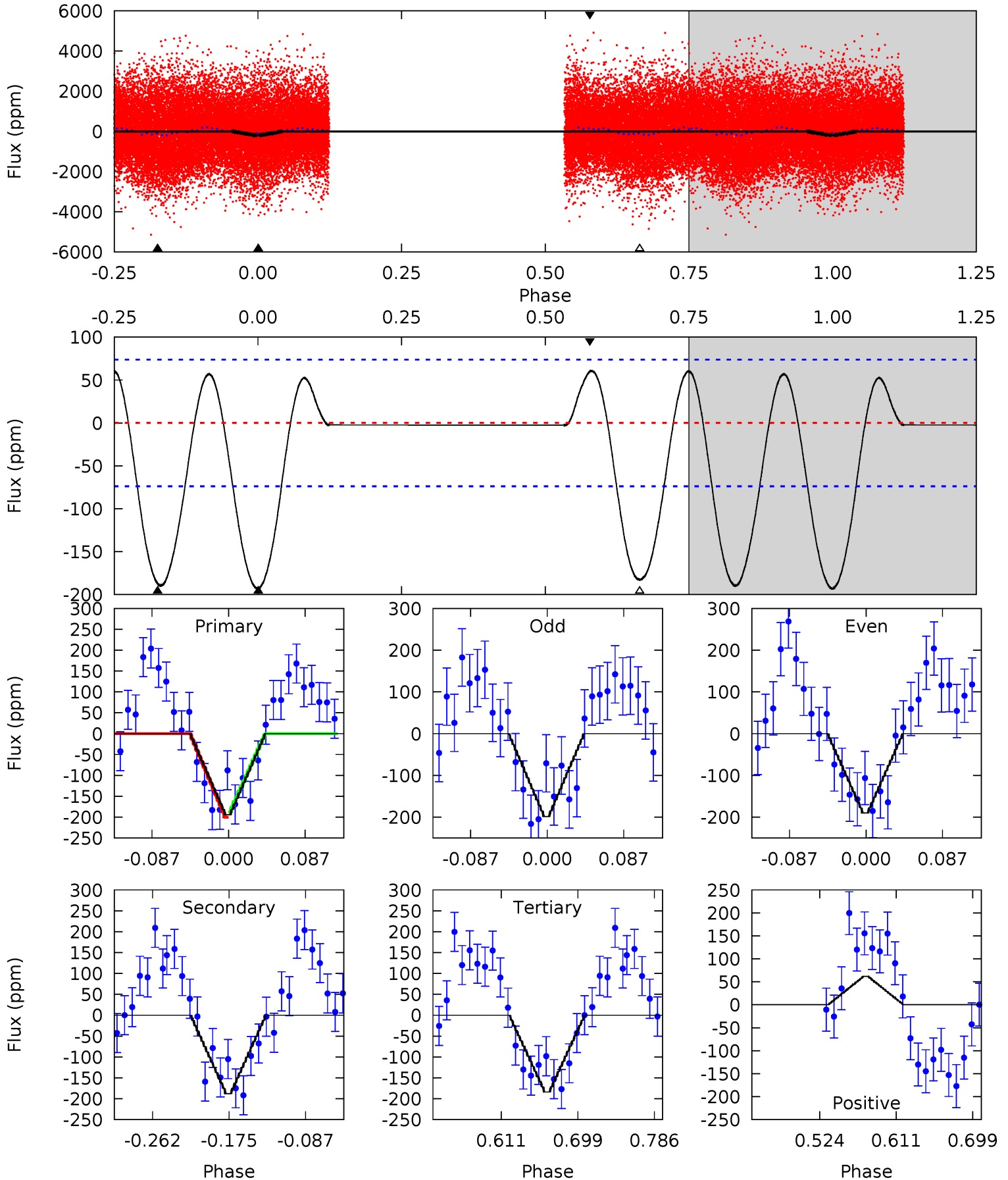
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
25.4	2.58	0	0	4.51	1.51	12.8	25.4	25.4	2.58	2.58	0.36	0.97	0.81	1.41



Alt Model-Shift Uniqueness Test

006675944-02, P = 0.504970 Days, E = 131.256903 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
12.1	11.7	11.4	3.85	4.59	1.71	5.23	0.66	8.25	0.24	7.83	0.25	0.90	0.24	0.41



Stellar Parameters For KIC 006675944

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7613^{+235}_{-314}	$3.576^{+0.567}_{-0.063}$	$-0.220^{+0.250}_{-0.300}$	$3.816^{+0.525}_{-2.101}$	$2.003^{+0.072}_{-0.541}$	$0.051^{+0.370}_{-0.010}$
	+3%/-4%	+16%/-2%	+114%/-136%	+14%/-55%	+4%/-27%	+729%/-21%
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 006675944-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-15 ± 6	$5.32^{+1.88}_{-1.85}$	6941^{+556}_{-1013}	-5250^{+1048}_{-538}	$0.069^{+0.090}_{-0.036}$
Alt.	-188 ± 16	$5.23^{+1.70}_{-1.79}$	6974^{+529}_{-1038}	6451^{+1616}_{-1196}	$0.908^{+1.066}_{-0.397}$

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 $A_{obs} \gg 1.0$

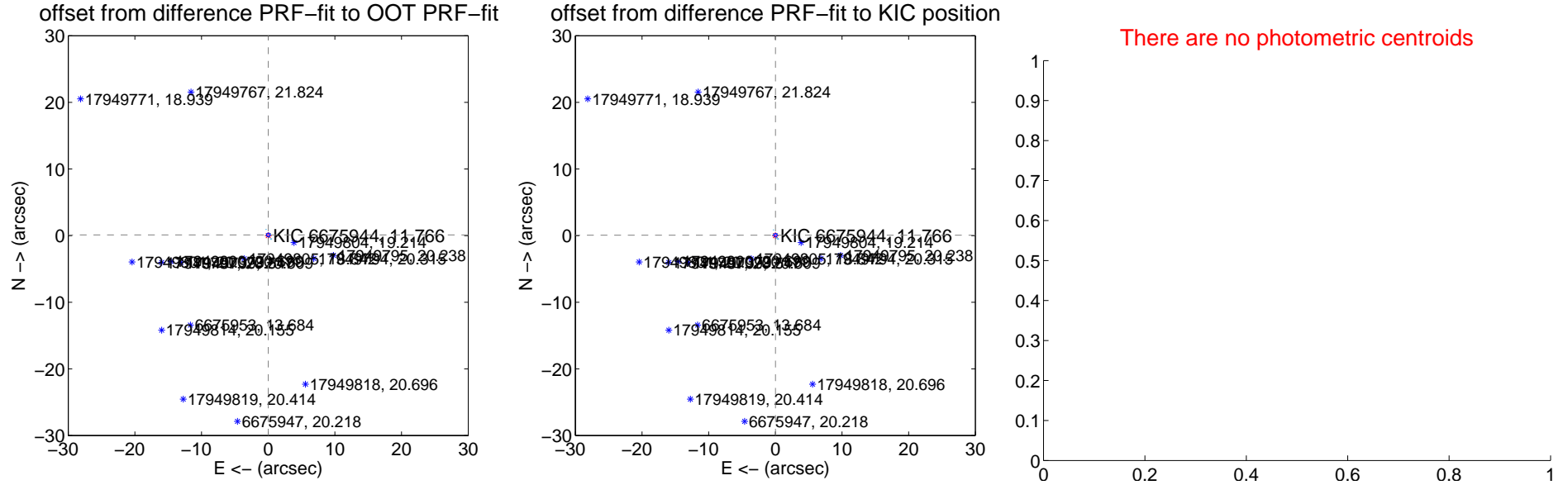
DV Centroid Data

Supplemental centroid analysis for 006675944-02. **Kepler magnitude: 11.77.** Transit SNR 18.55

There are 17 quarters with good PRF difference image offsets

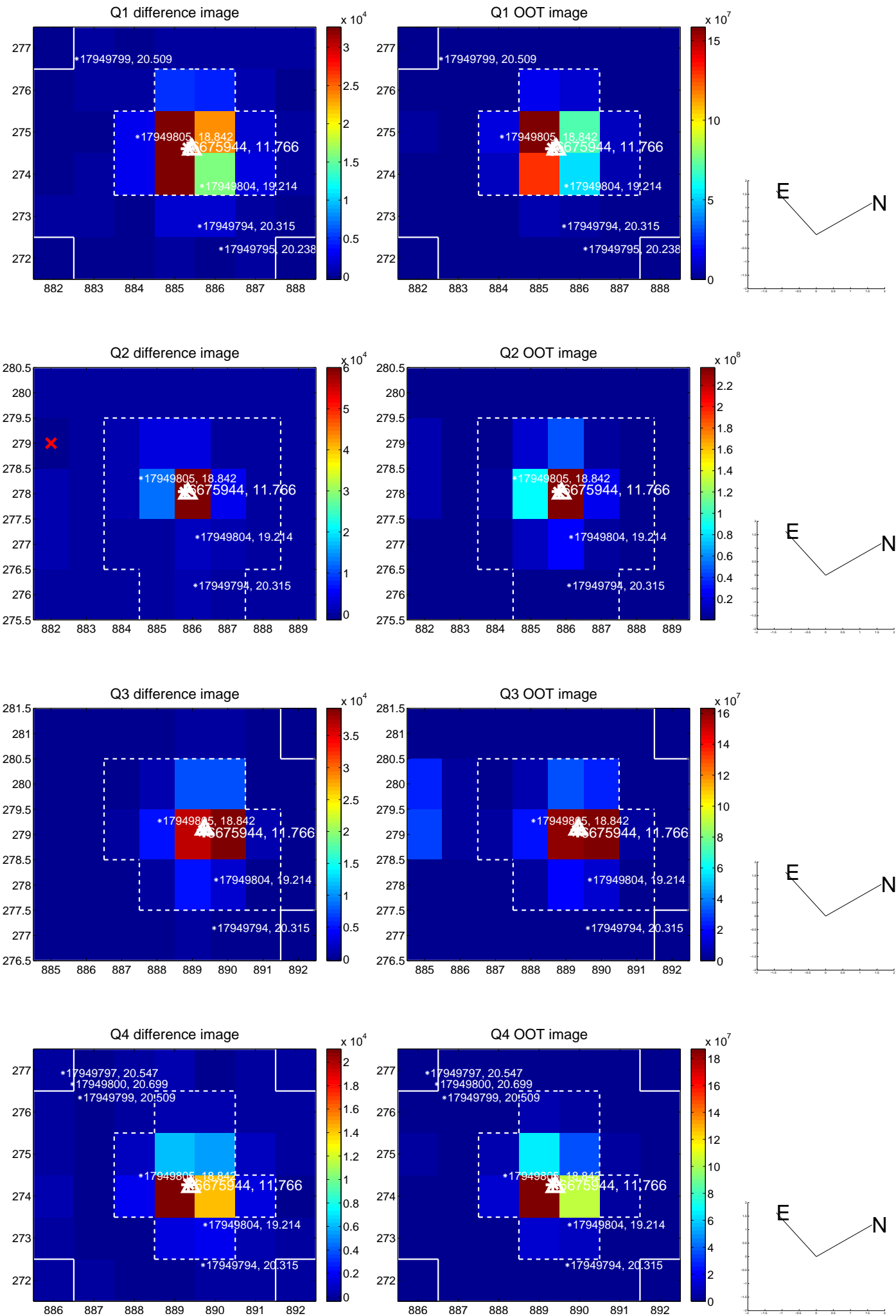
The direct PRF centroid is offset from the target star catalog position by about 0.12 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.102 ± 0.094	1.09	-0.013 ± 0.085	0.101 ± 0.096
PRF-fit source offset from KIC position	0.061 ± 0.089	0.69	-0.017 ± 0.090	0.058 ± 0.095
photometric centroid source offset	—	—	—	—

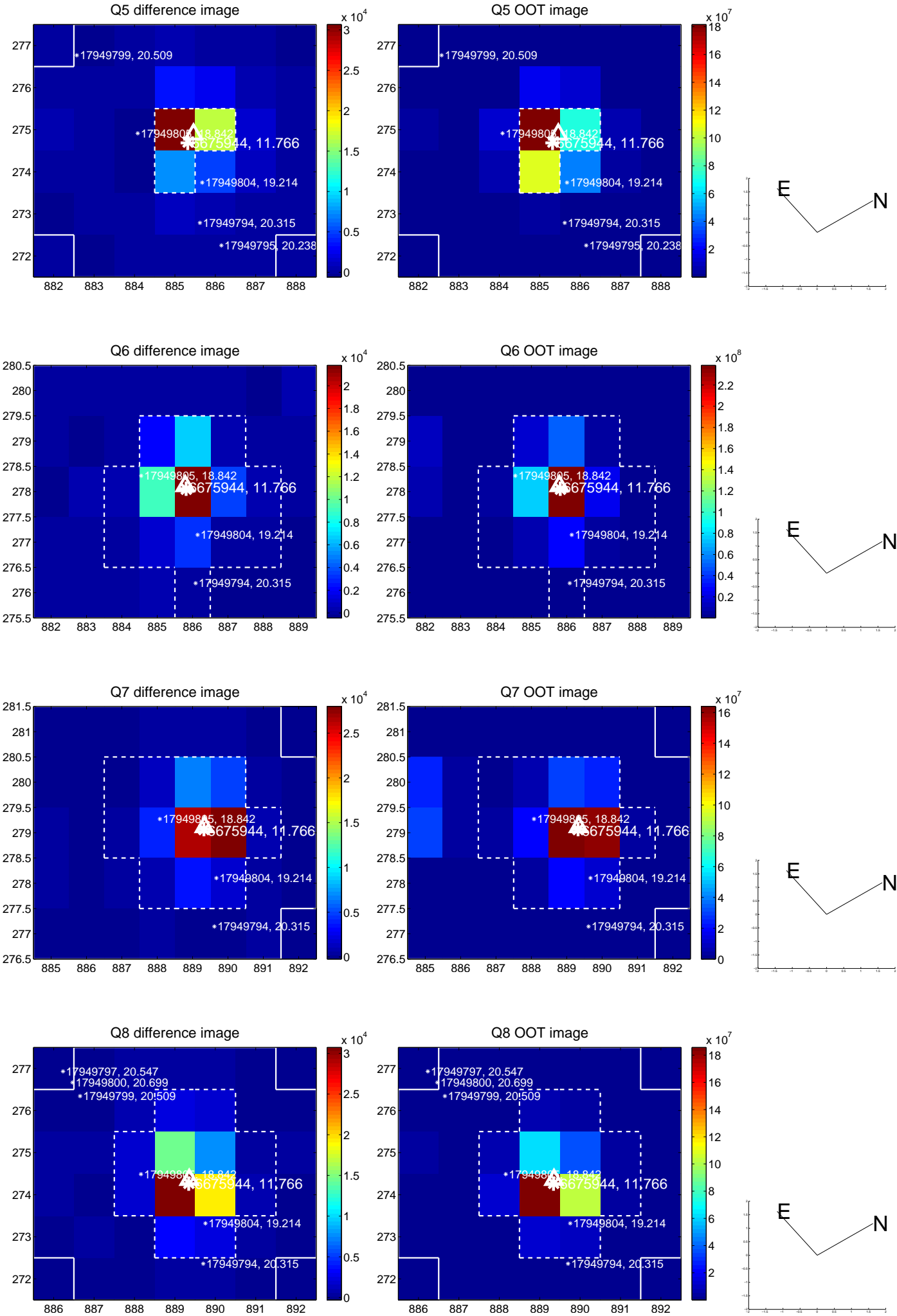


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

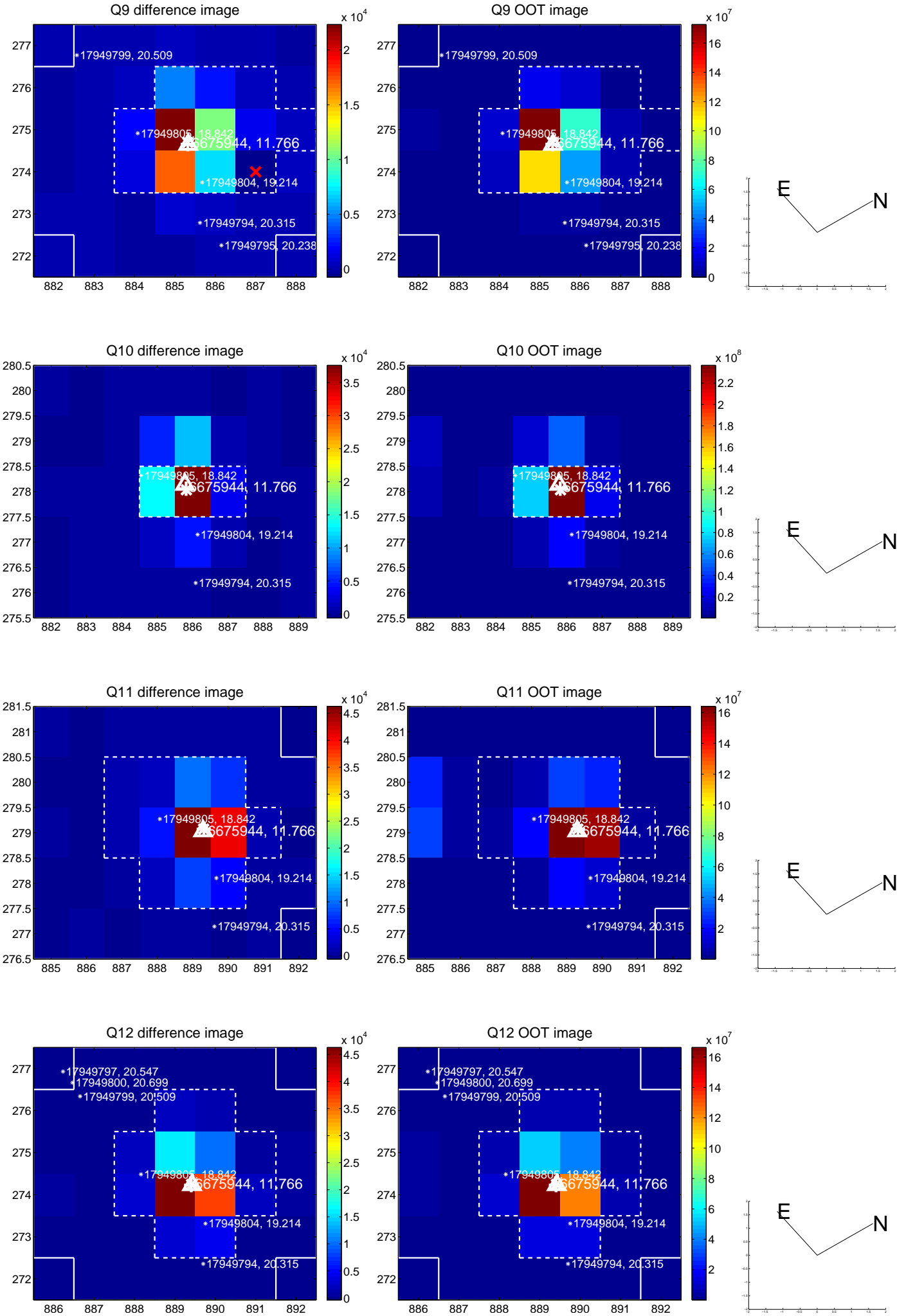
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



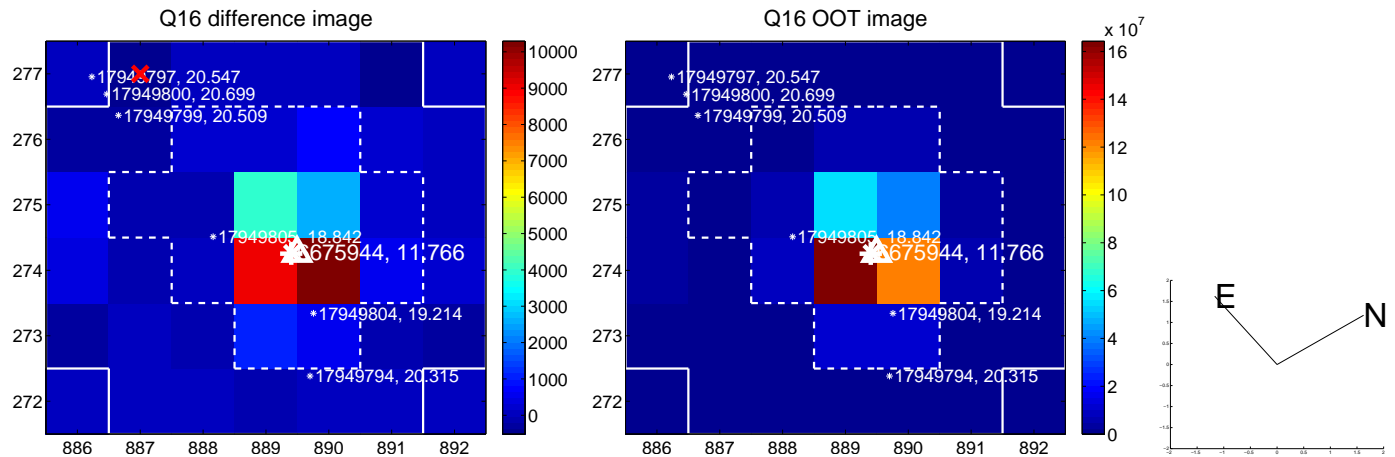
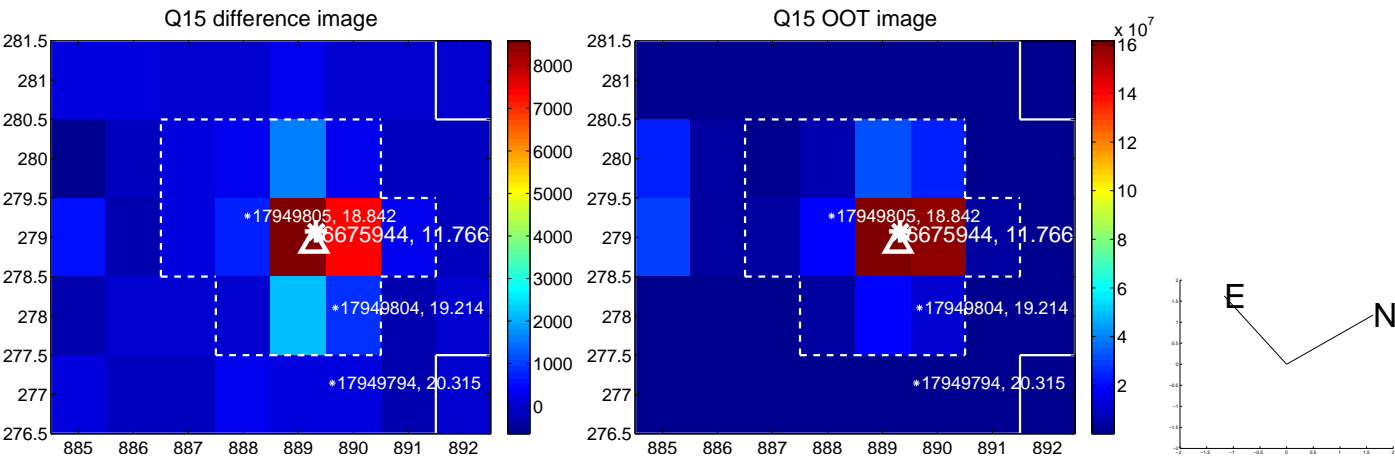
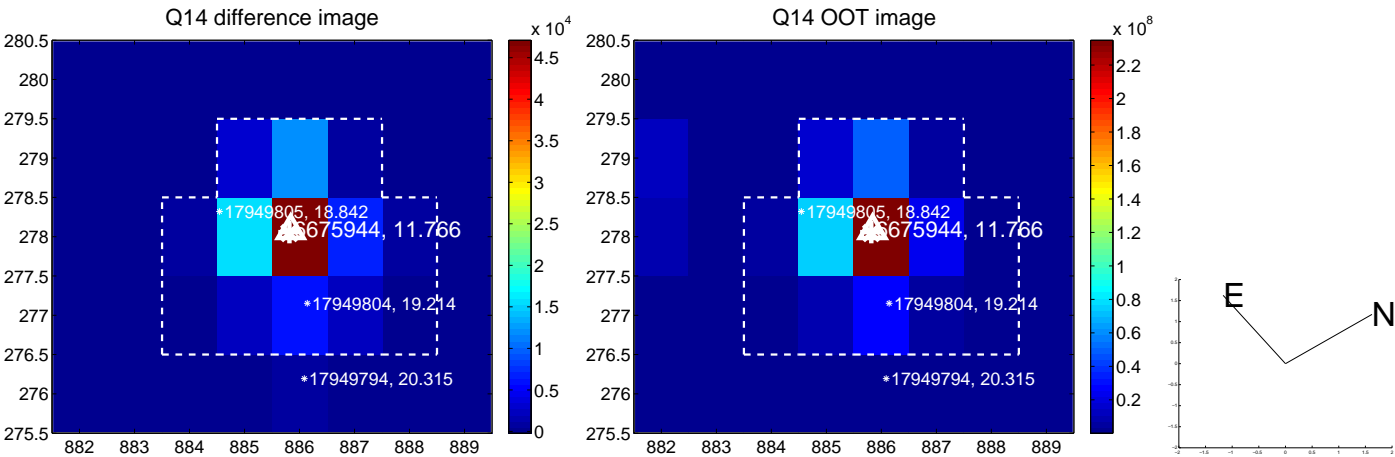
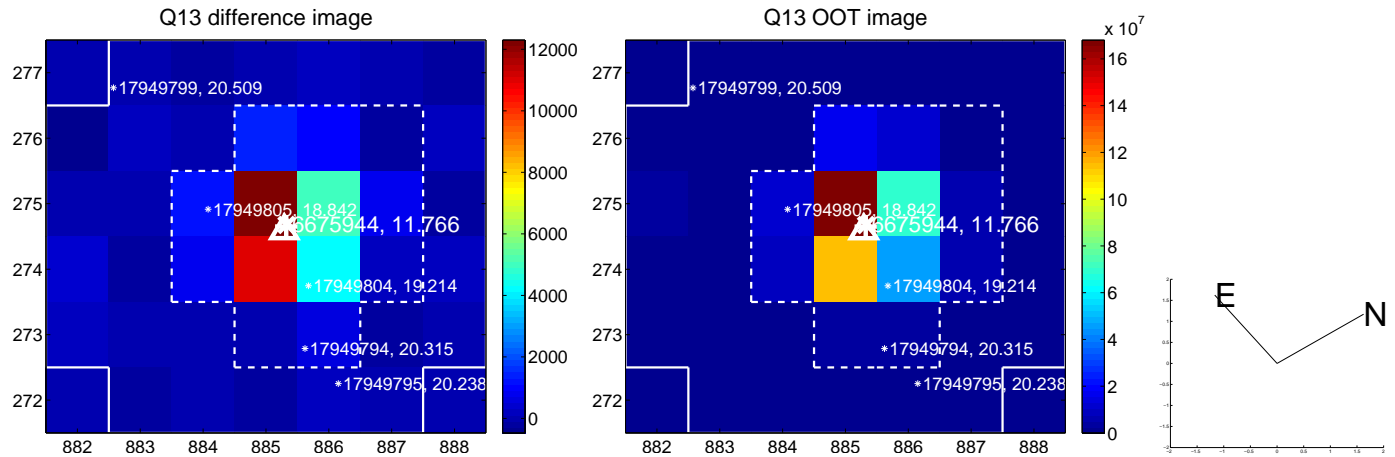
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



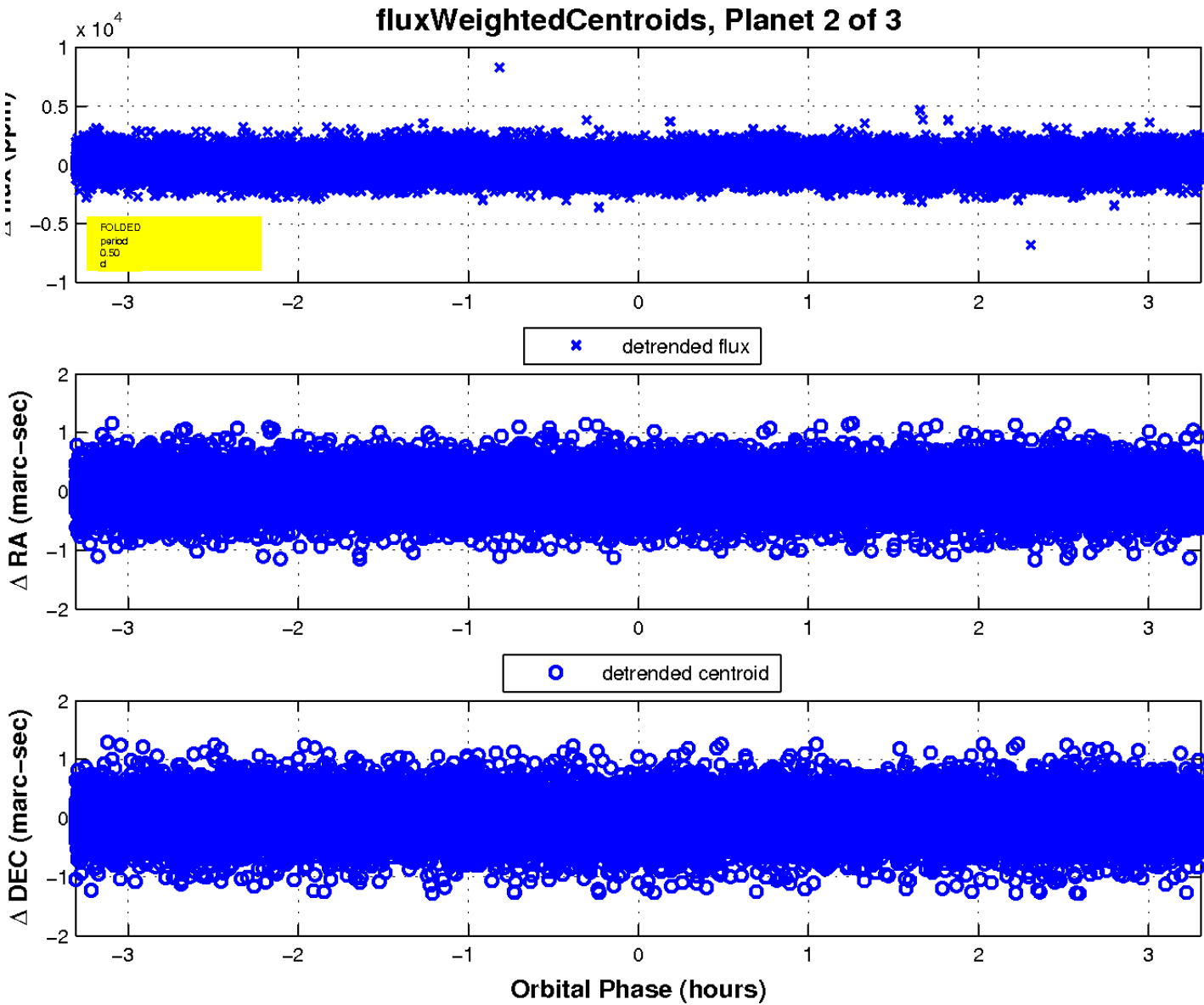
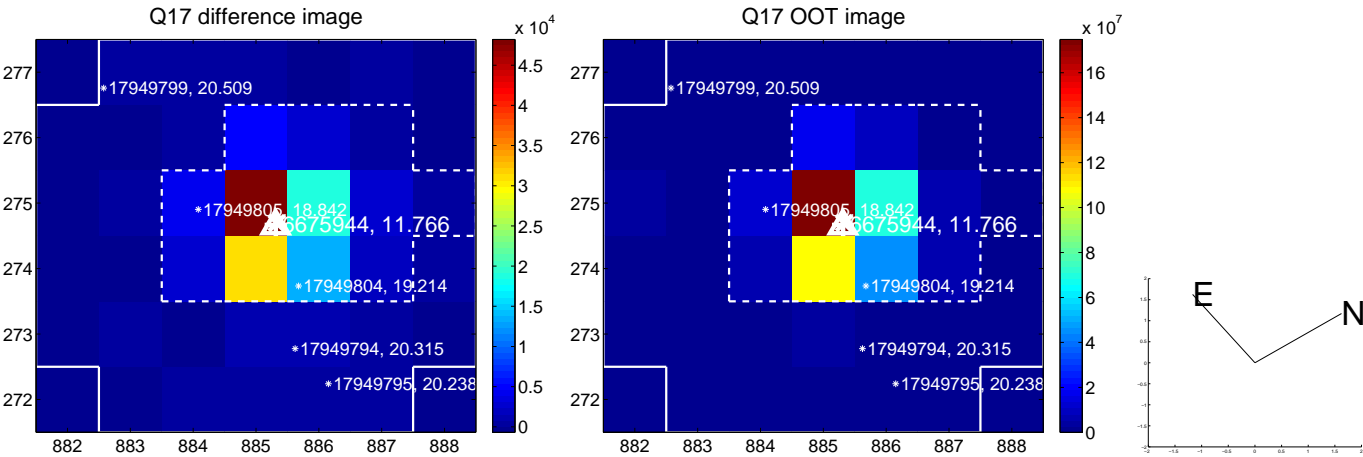
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

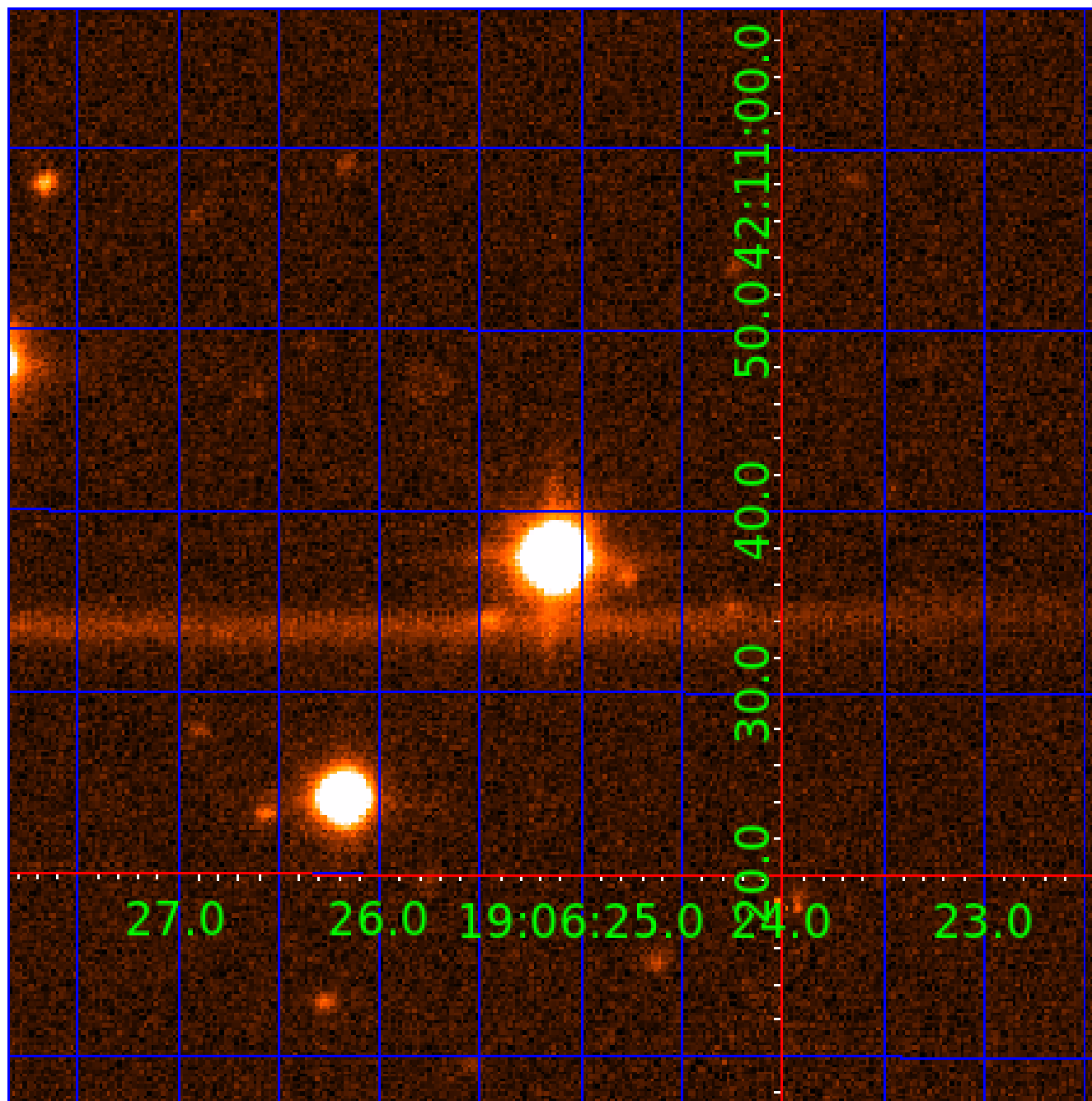


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006675944

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})
006675944-01	OBS	No	0.504969	131.928686	187.4	1.352	15.1	18.9	3.82	7613	5.61	0.00
006675944-02	OBS	No	0.504970	131.761868	186.8	1.103	12.7	18.6	3.82	7613	6.17	0.00
006675944-03	OBS	No	0.504970	131.592245	94.9	1.497	12.3	9.9	3.82	7613	4.38	0.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006675944-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_POS_ALT
006675944-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA_TRACKER—LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD
006675944-03	OBS	FP	0.00	1	0	0	0	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.

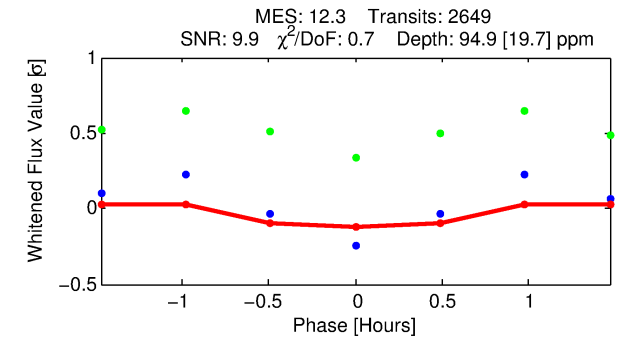
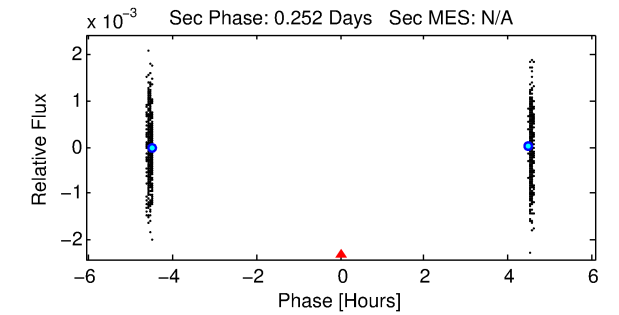
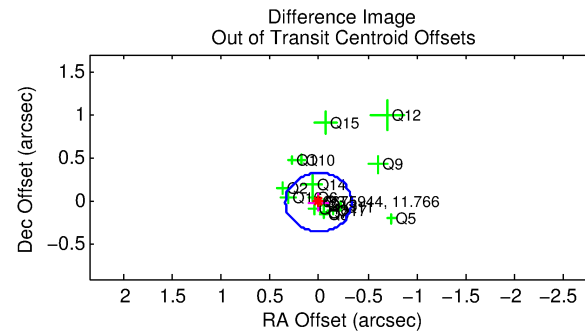
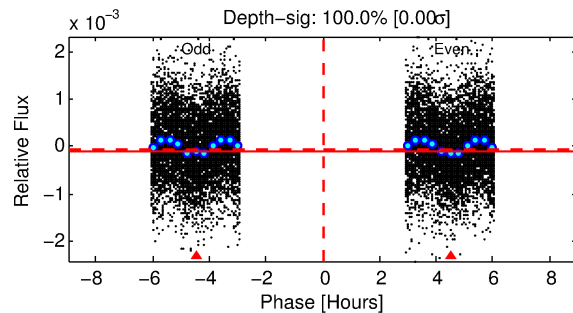
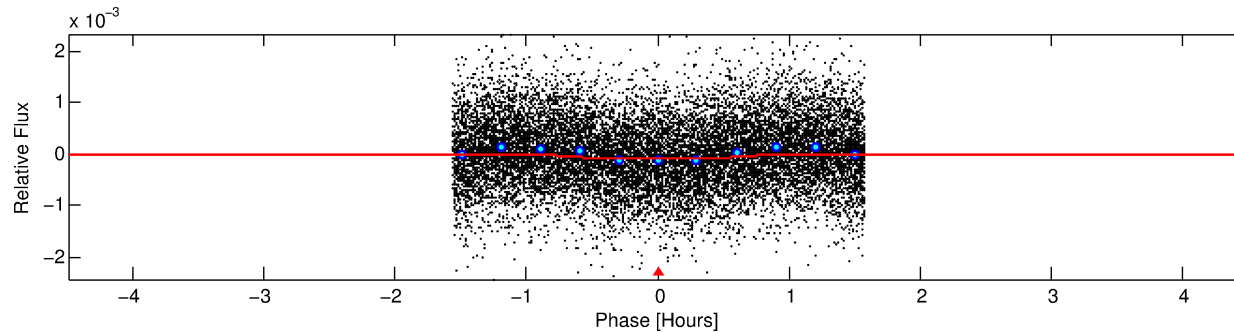
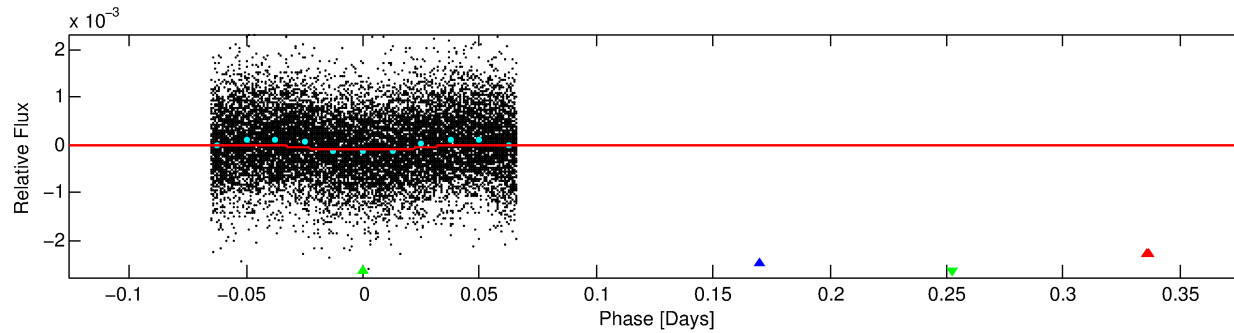
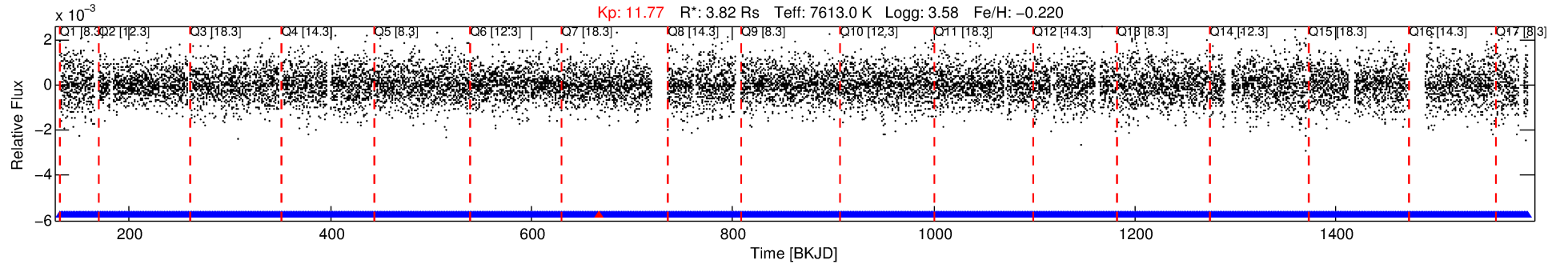
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006675944-03

No Significant Match Found

DV One-Page Summary

KIC: 6675944 Candidate: 3 of 3 Period: 0.505 d



DV Fit Results:

Period = 0.50497 [0.00002] d
Epoch = 131.5922 [0.0017] BKJD
 $R_p/R^* = 0.0105$ [0.0044]
 $a/R^* = 1.51$ [1.91]
 $b = 0.90$ [0.49]
 $\text{Seff} = \text{N/A}$
 $\text{Teq} = \text{N/A}$
 $R_p = 4.38$ [3.02] R_e
 $a = \text{N/A}$

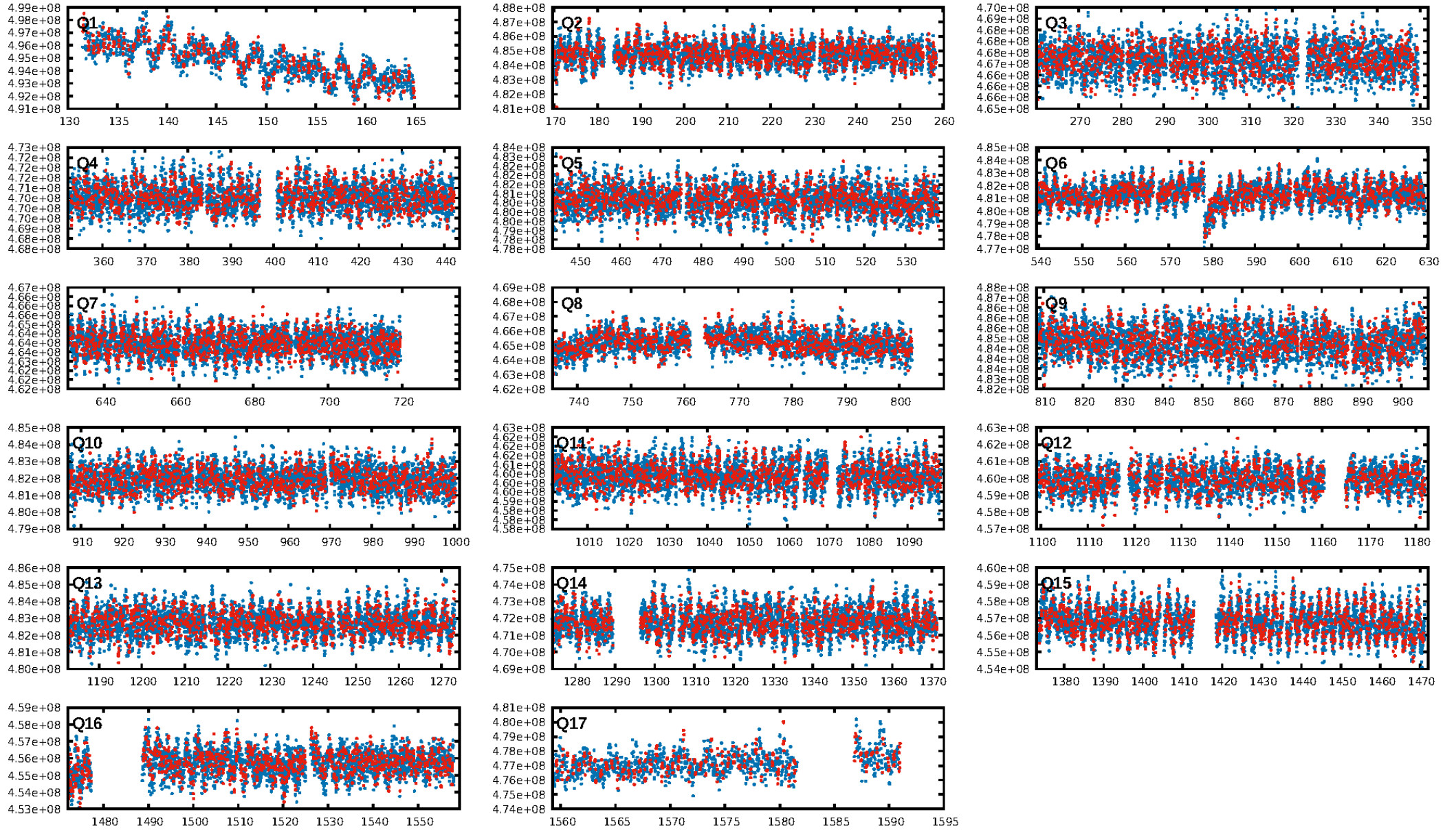
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [2528/2529]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: 0.013 arcsec [0.11 σ]
KicOffset-rm: 0.015 arcsec [0.14 σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 0.00 [0/17]

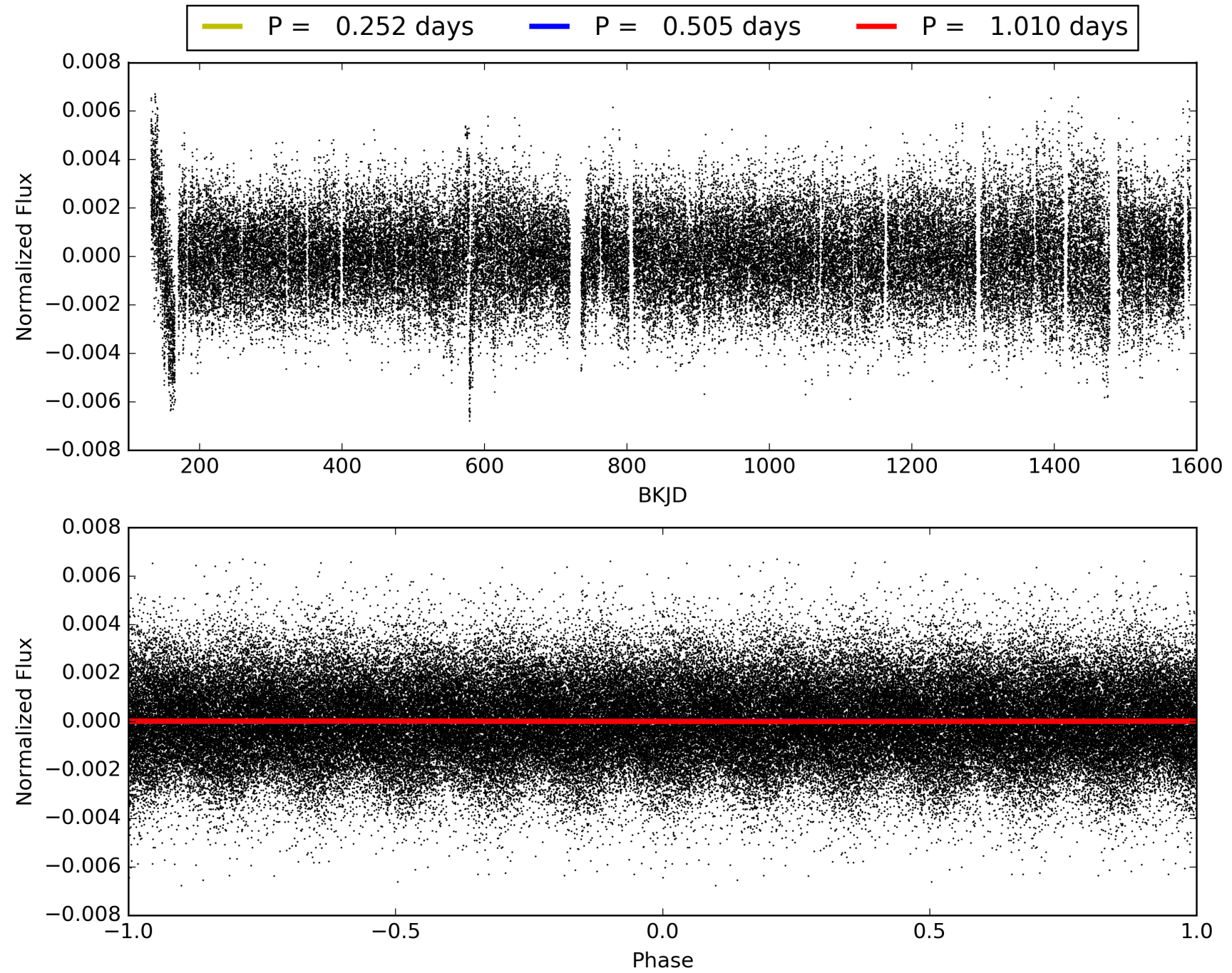
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 00:37:18 Z

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

TCE 006675944-03, PDC Light Curves

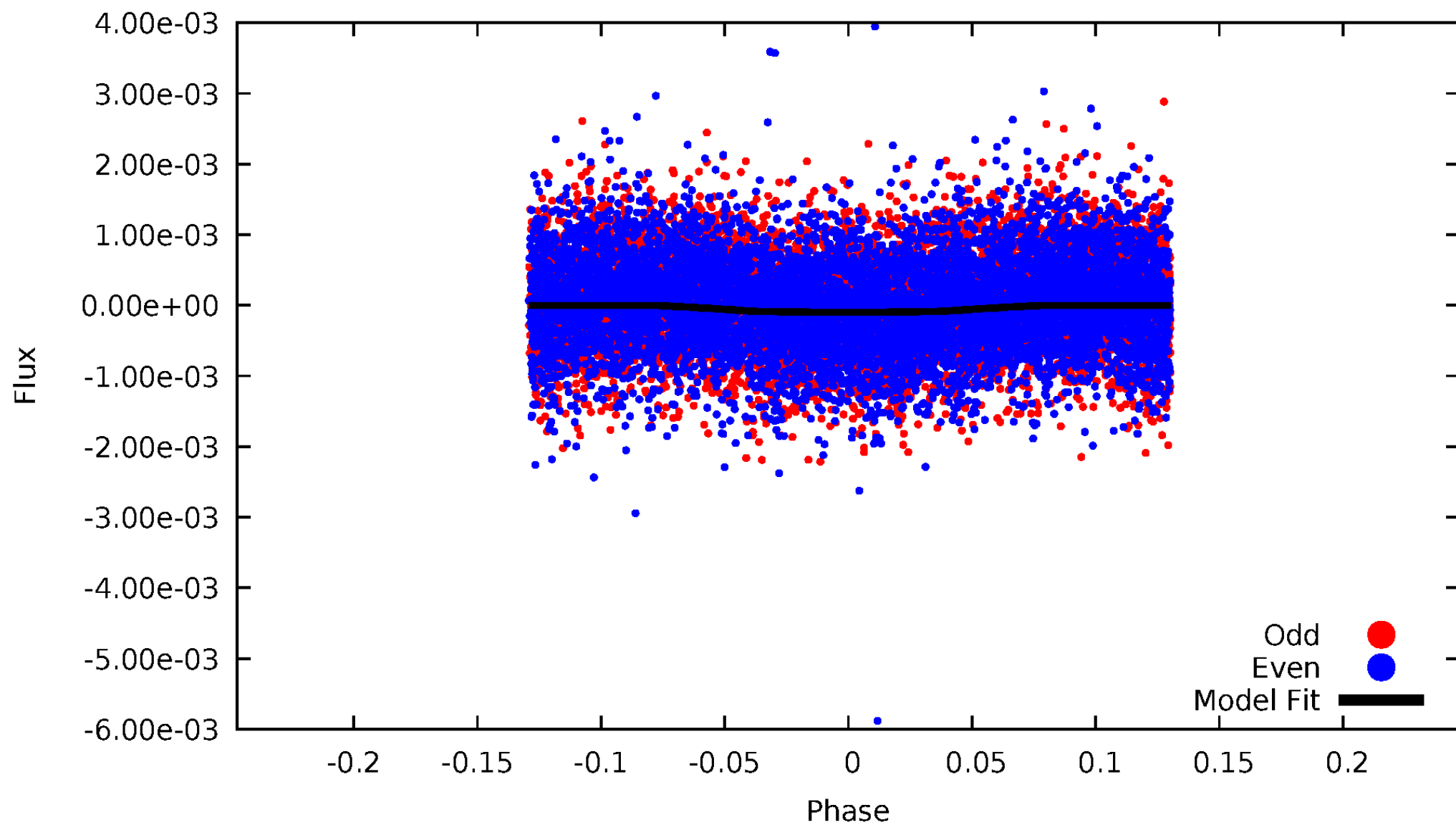


TCE 006675944-03



DV Odd/Even

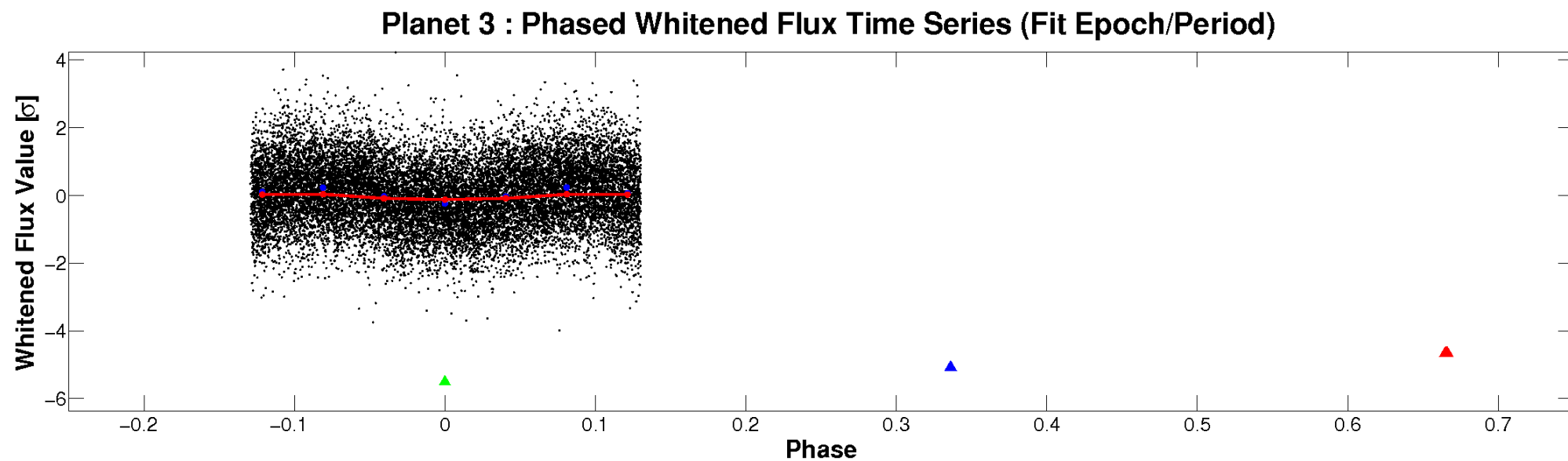
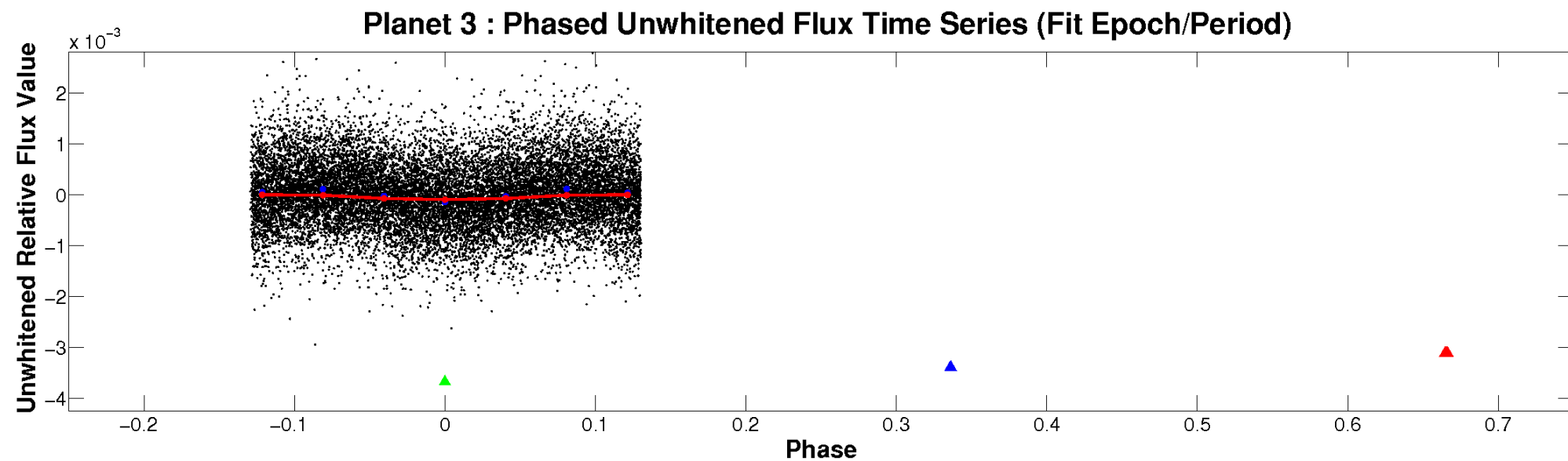
TCE 006675944-03



ALT Odd/Even

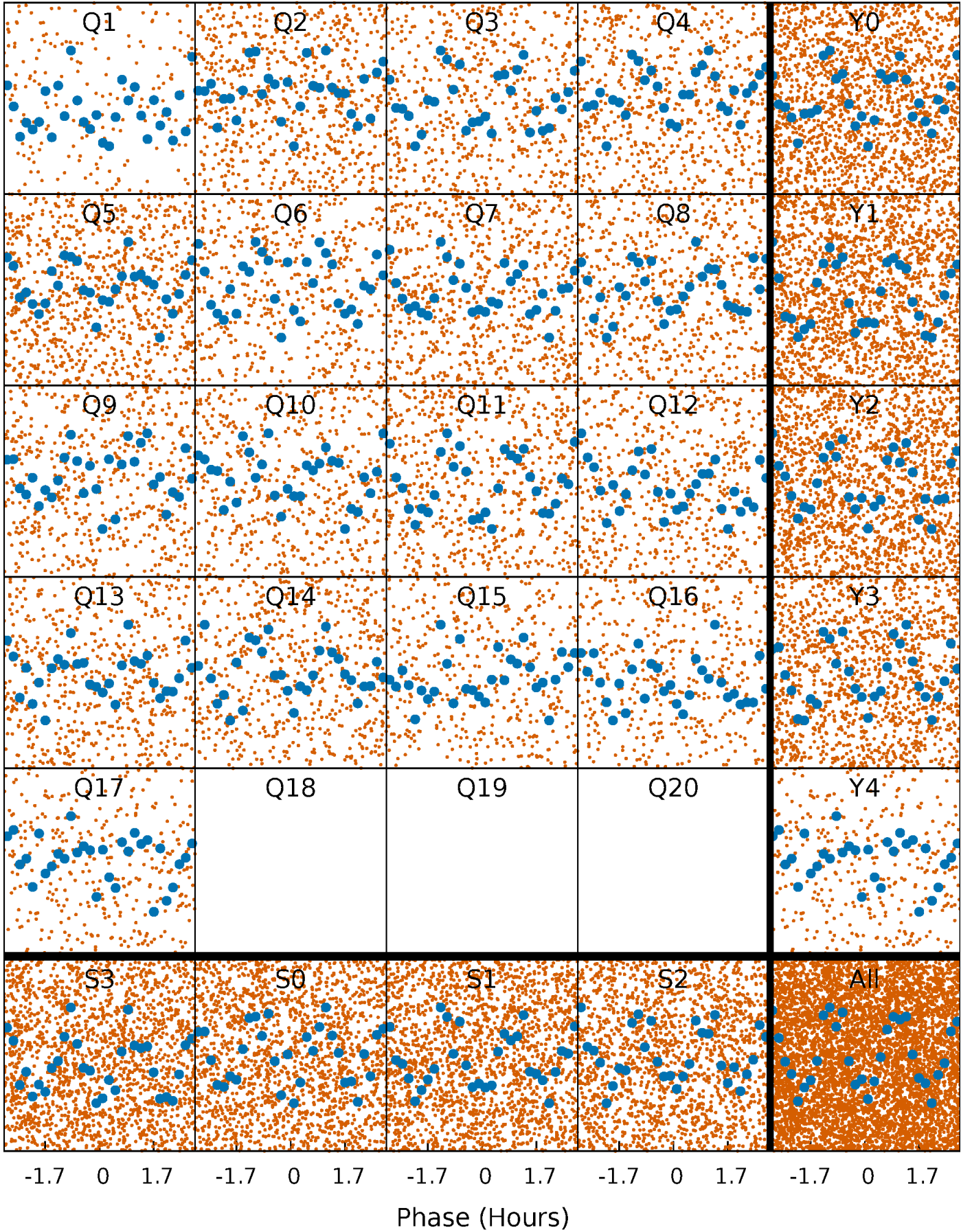
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve



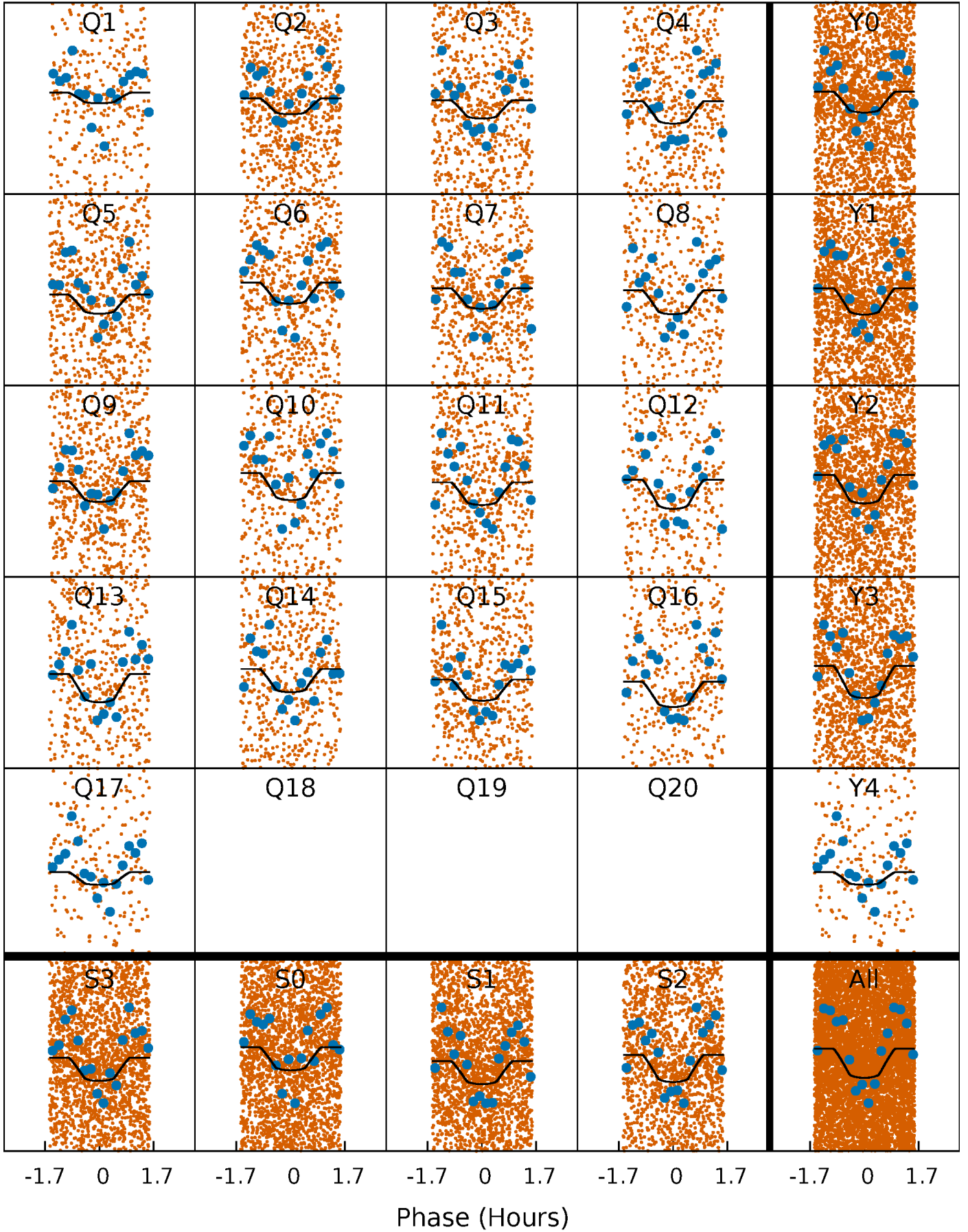
PDC Quarter-Phased Transit Curves

TCE 006675944-03 P= 0.504970 Days $T_0=131.592245$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 006675944-03 P= 0.504970 Days $T_0=131.592245$ (BKJD)

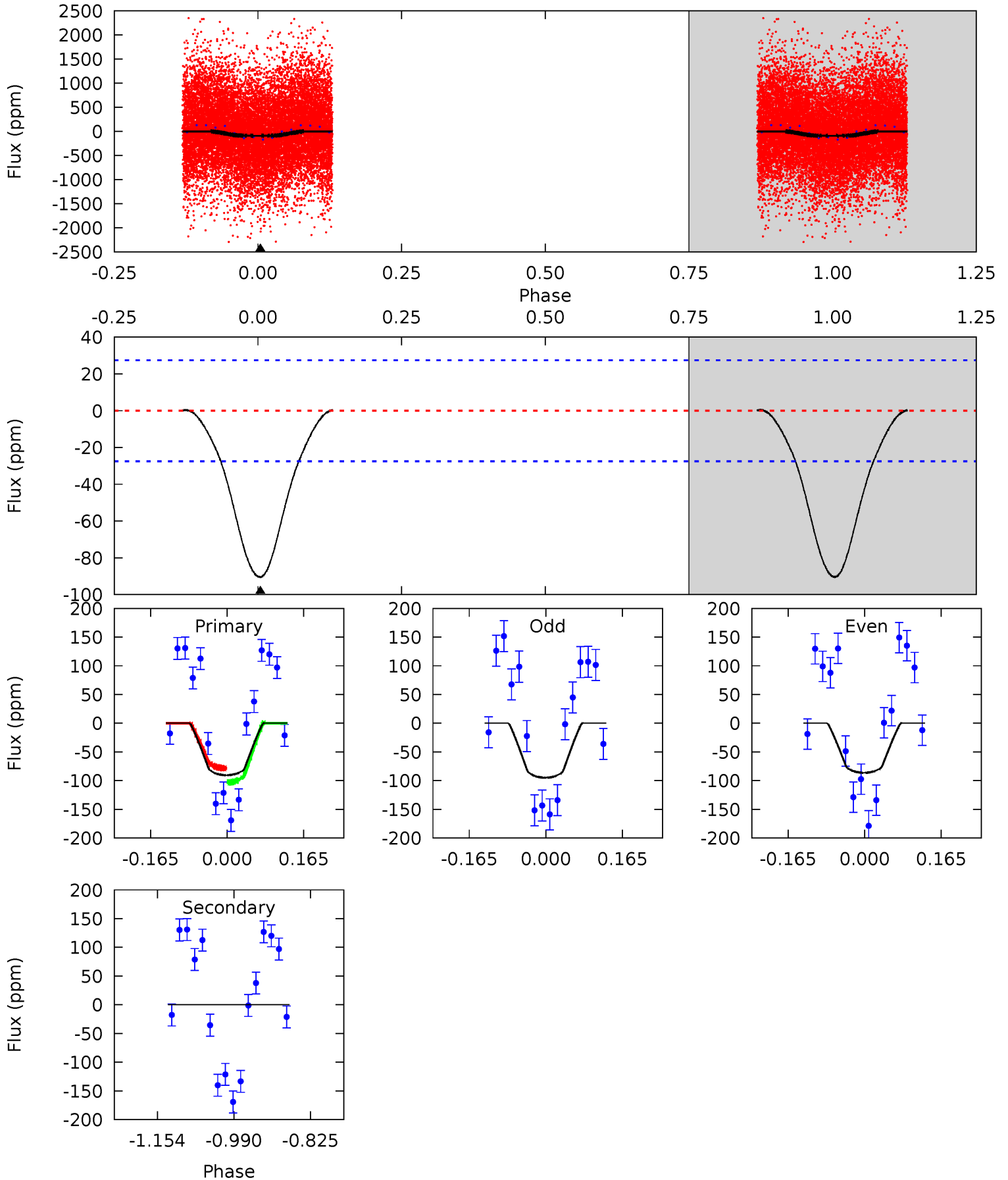


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

006675944-03, P = 0.504970 Days, E = 131.087275 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
14.7	0	0	0	4.46	1.39	0.07	14.7	14.7	0	0	0.70	1.06	0.01	2.06



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 006675944

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7613^{+235}_{-314}	$3.576^{+0.567}_{-0.063}$	$-0.220^{+0.250}_{-0.300}$	$3.816^{+0.525}_{-2.101}$	$2.003^{+0.072}_{-0.541}$	$0.051^{+0.370}_{-0.010}$
	+3%/-4%	+16%/-2%	+114%/-136%	+14%/-55%	+4%/-27%	+729%/-21%
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 006675944-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 6	$3.69^{+1.92}_{-1.72}$	6930^{+578}_{-962}	-5596^{+908}_{-519}	$0.001^{+0.077}_{-0.065}$
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 $T_{obs} \gg T_{max}$ AND $A_{obs} \gg 1.0$

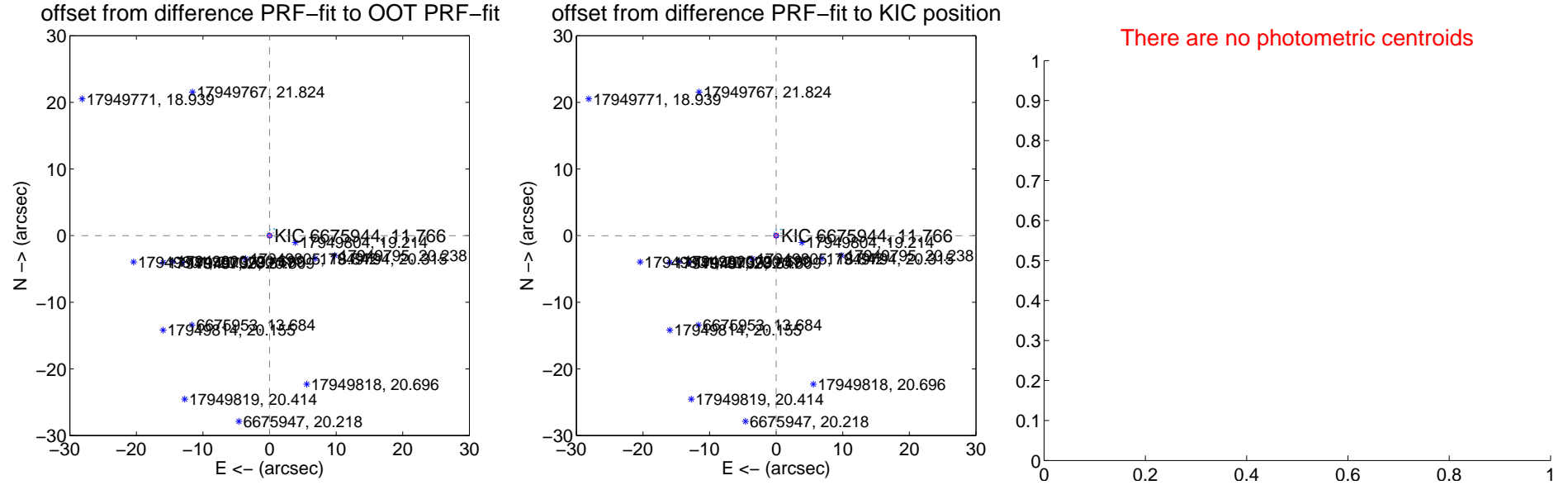
DV Centroid Data

Supplemental centroid analysis for 006675944-03. **Kepler magnitude: 11.77.** Transit SNR 9.89

There are 17 quarters with good PRF difference image offsets

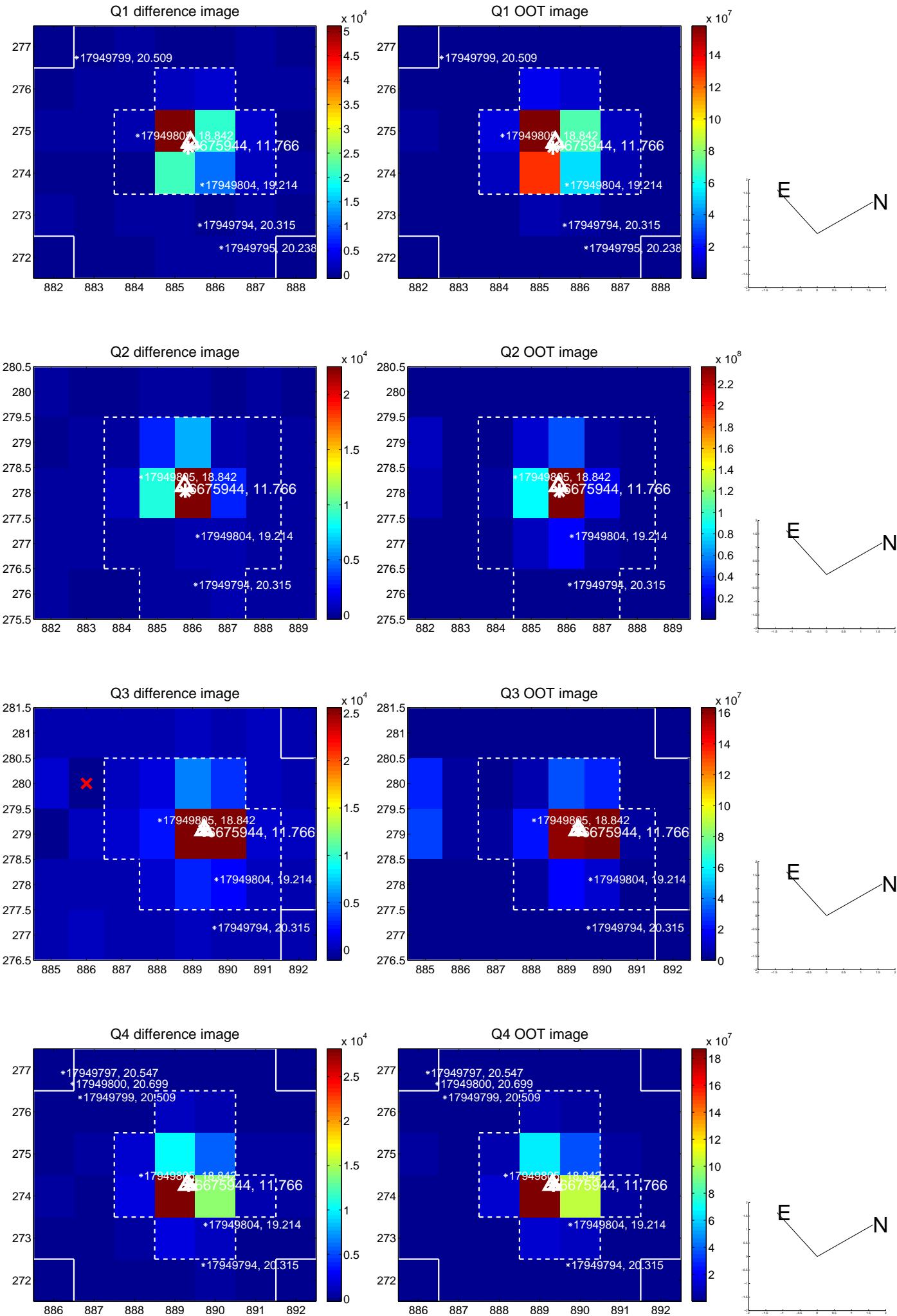
The direct PRF centroid is offset from the target star catalog position by about 0.12 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.013 ± 0.113	0.11	0.005 ± 0.106	-0.012 ± 0.107
PRF-fit source offset from KIC position	0.015 ± 0.109	0.14	0.004 ± 0.111	-0.015 ± 0.107
photometric centroid source offset	—	—	—	—

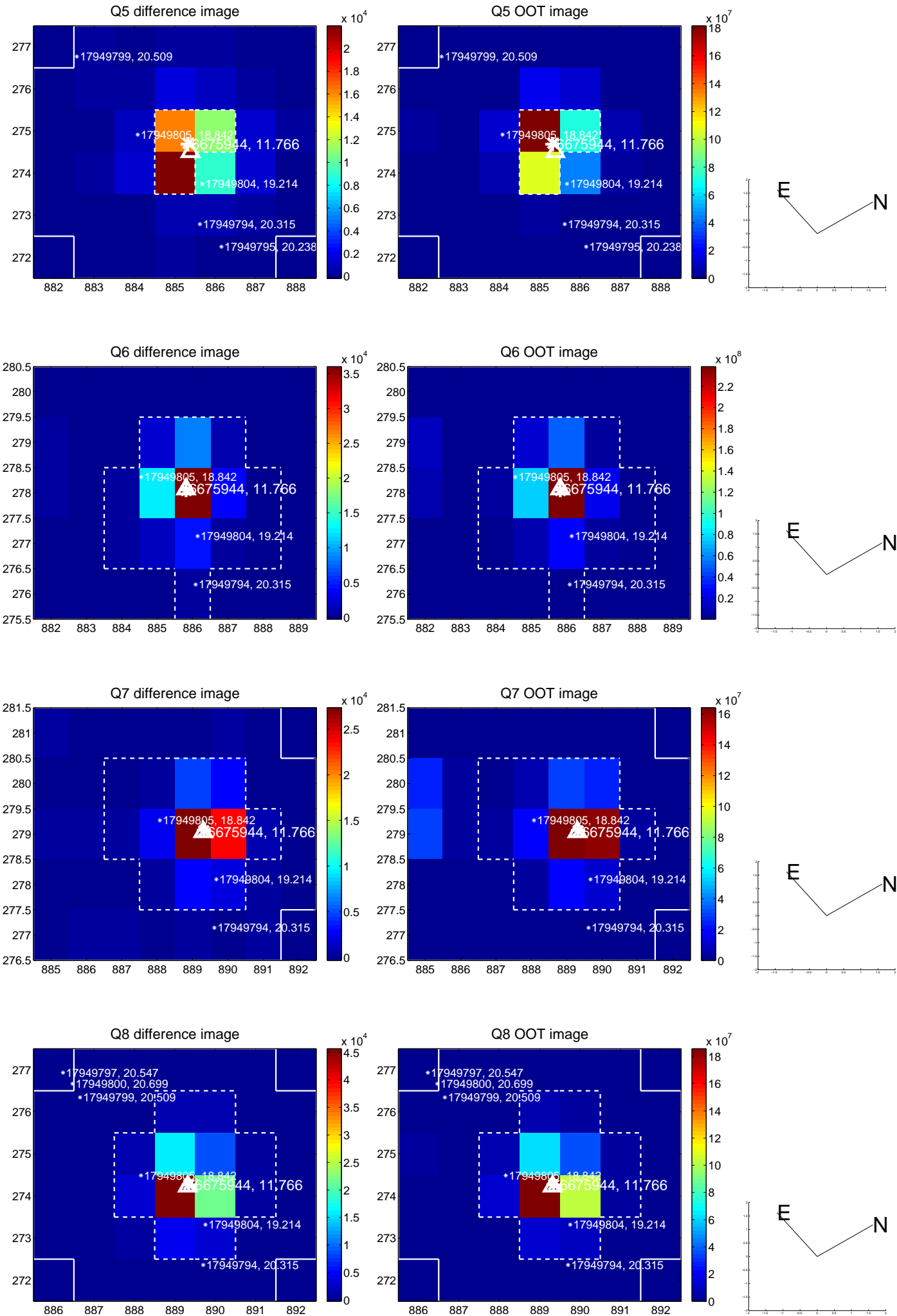


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

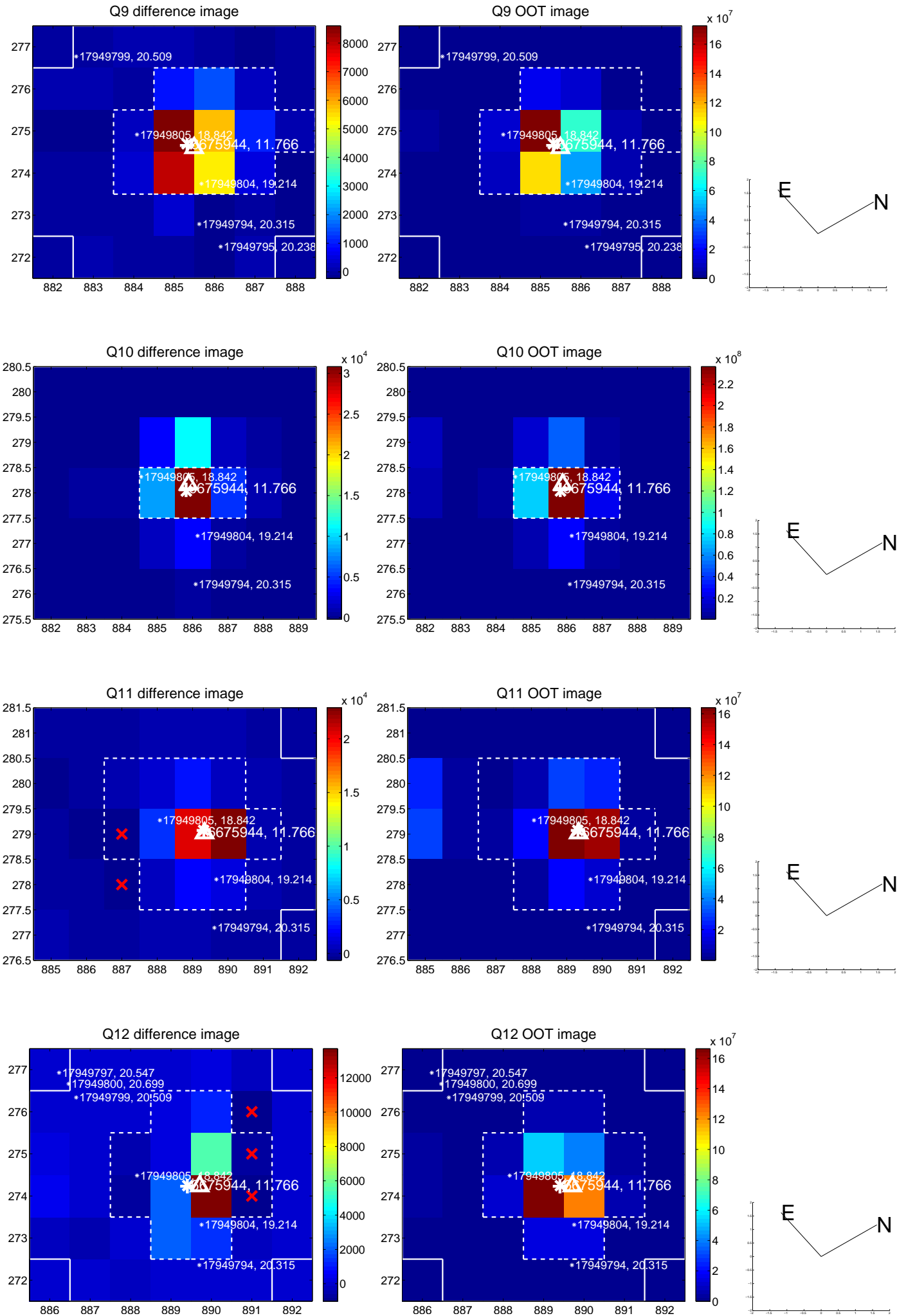
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



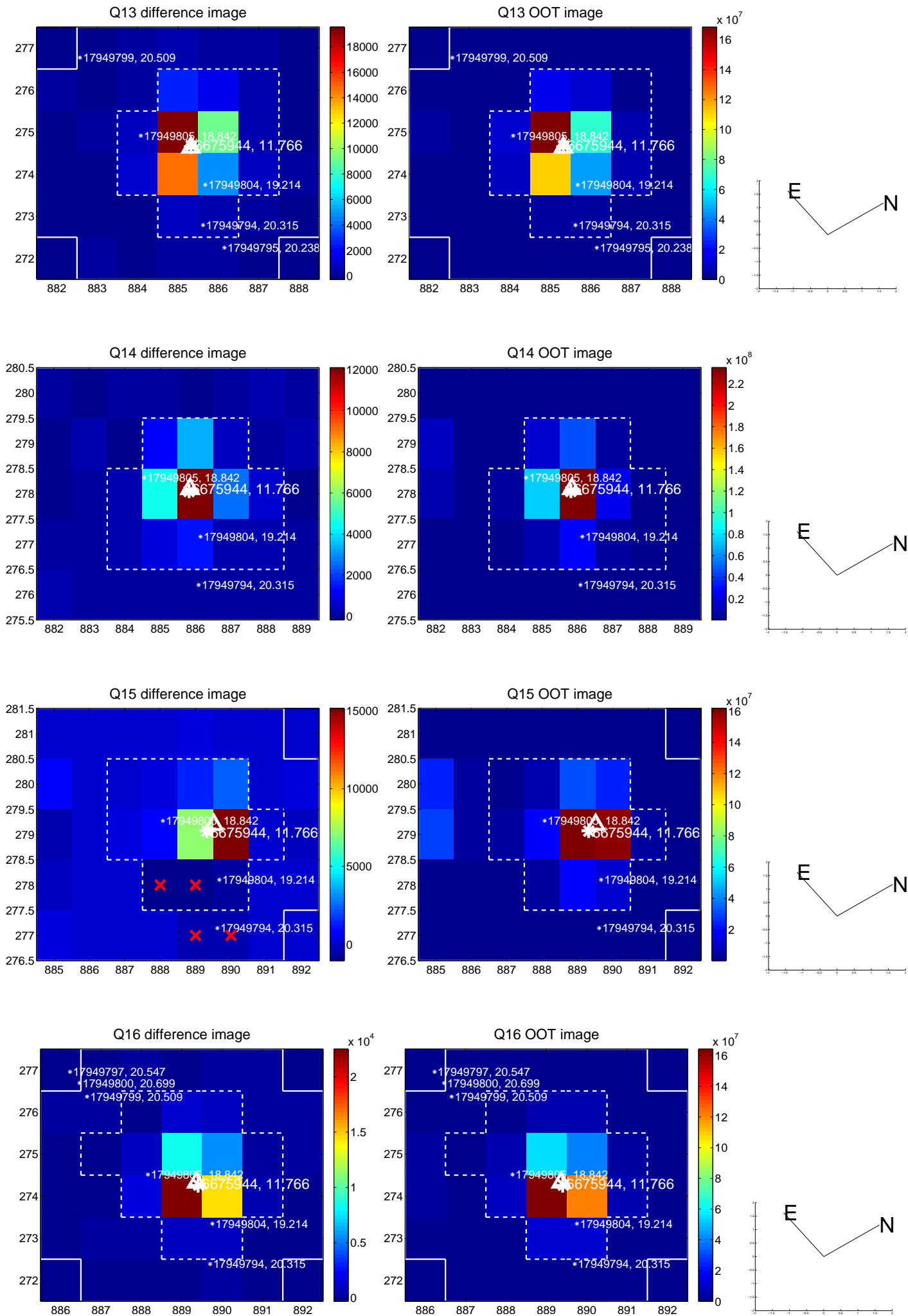
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



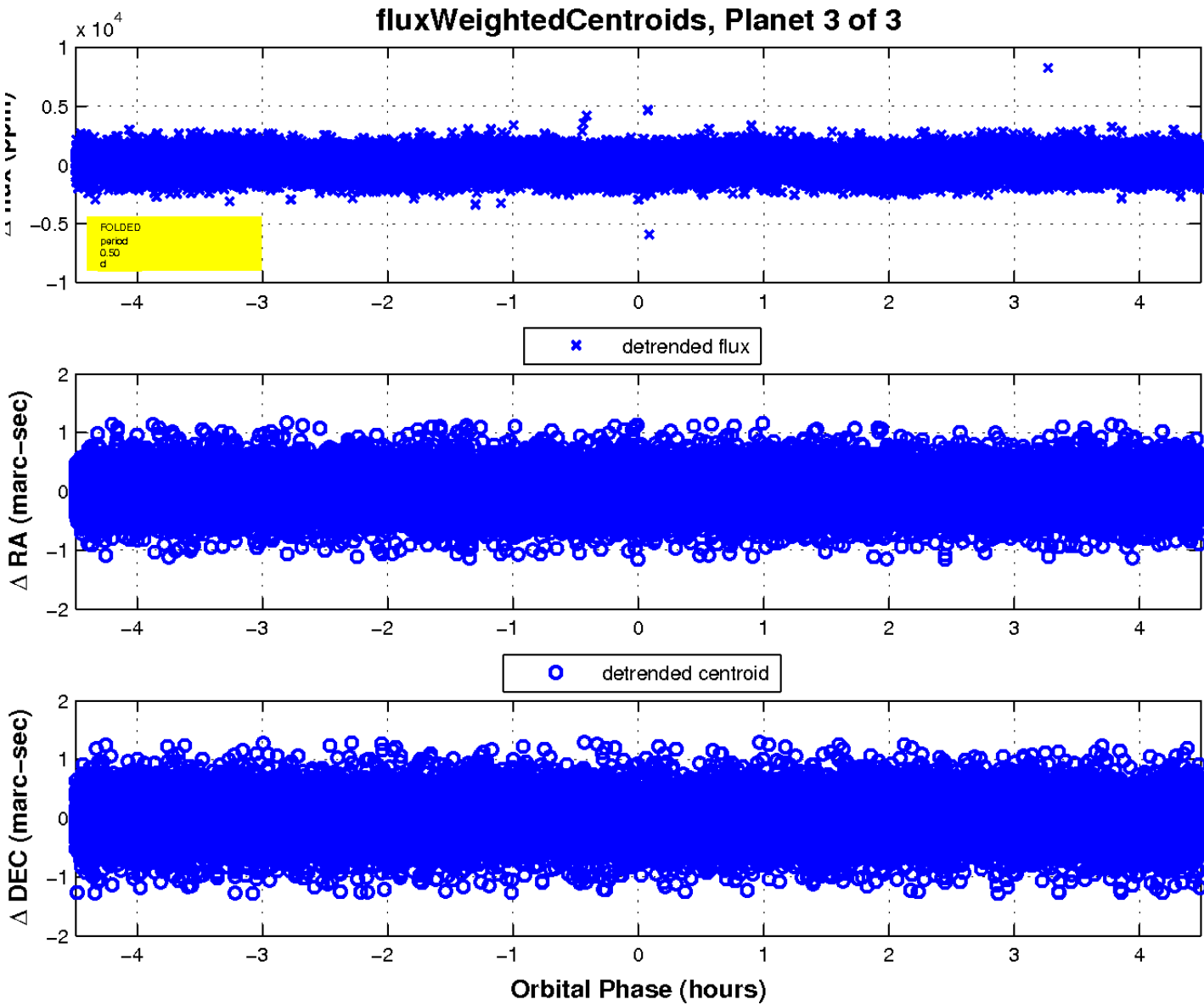
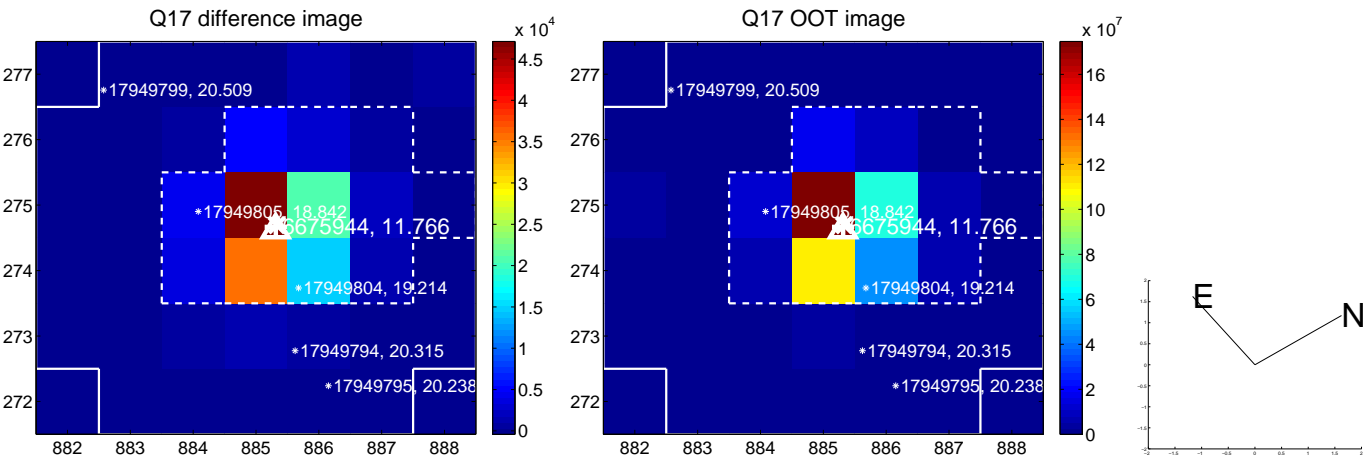
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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.



UKIRT Image

Declination

