

KIC 006762992

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})
006762992-01	OBS	No	0.694836	131.601737	450.3	2.391	16.5	12.5	3.40	7666	8.49	95789.93
006762992-02	OBS	No	0.694833	131.845548	374.5	1.787	11.9	9.2	3.40	7666	7.75	95790.35
006762992-03	OBS	No	1.415658	132.669331	1310.1	6.442	8.5	12.7	3.40	7666	18.78	37086.69

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006762992-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
006762992-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
006762992-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT

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

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

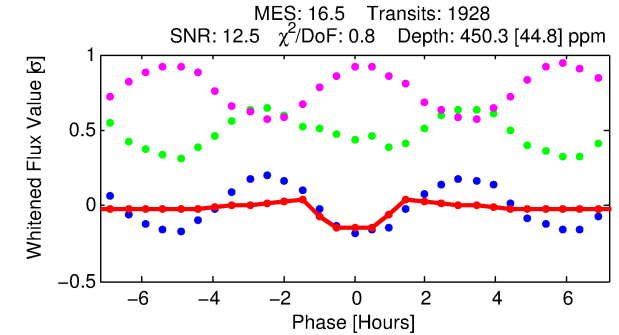
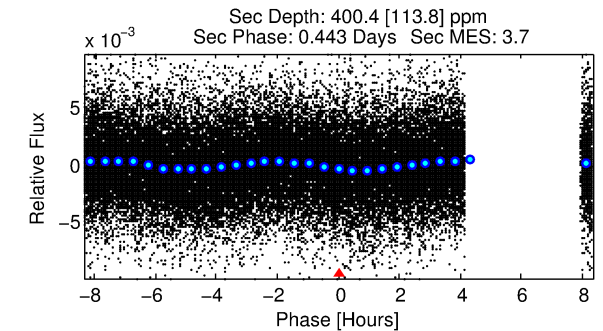
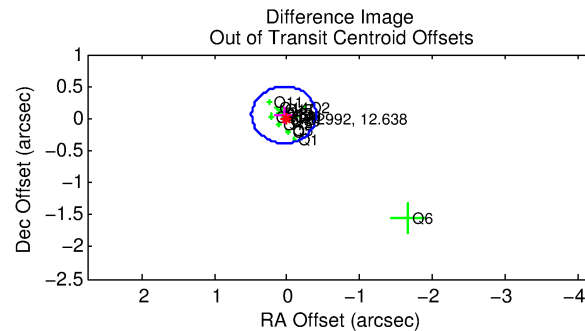
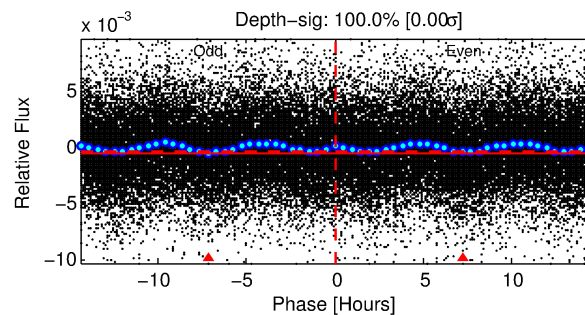
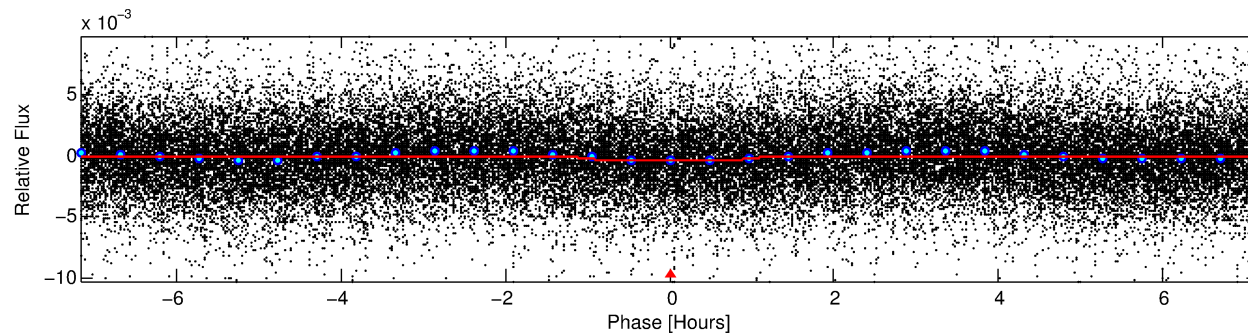
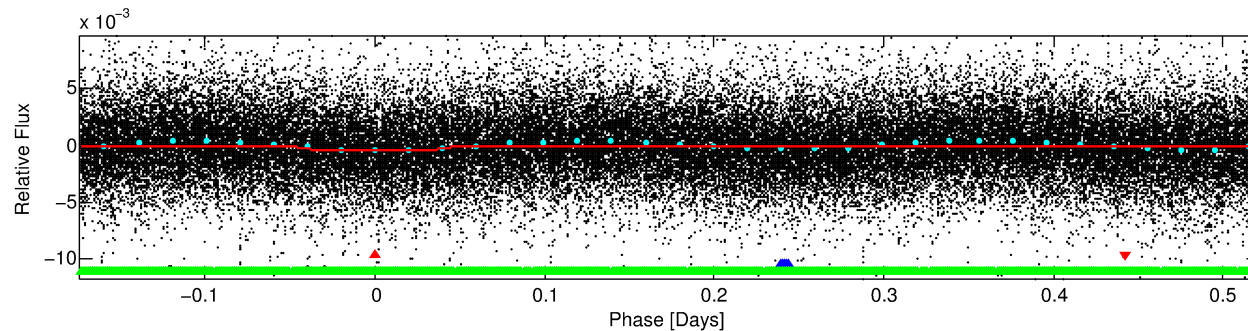
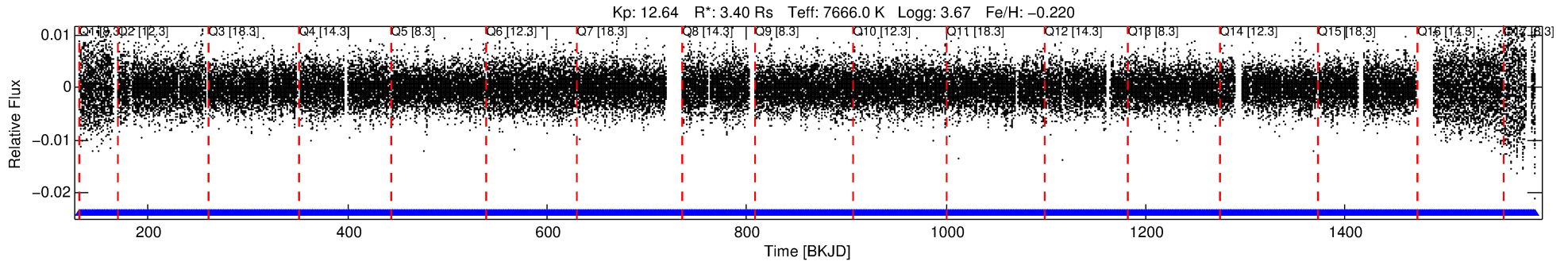
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006762992-01

No Significant Match Found

DV One-Page Summary

KIC: 6762992 Candidate: 1 of 3 Period: 0.695 d



DV Fit Results:

Period = 0.69484 [0.00001] d
Epoch = 131.6017 [0.0019] BKJD
Rp/R* = 0.0229 [0.0047]
a/R* = 1.43 [0.78]
b = 0.90 [0.23]
Seff = 95789.93 [81683.45]
Teff = 4486 [956] K
Rp = 8.49 [4.77] Re
a = 0.0193 [0.0100] AU
Ag = 1.14 [1.11] [0.13σ]
Teffp = 7174 [939] K [2.01σ]

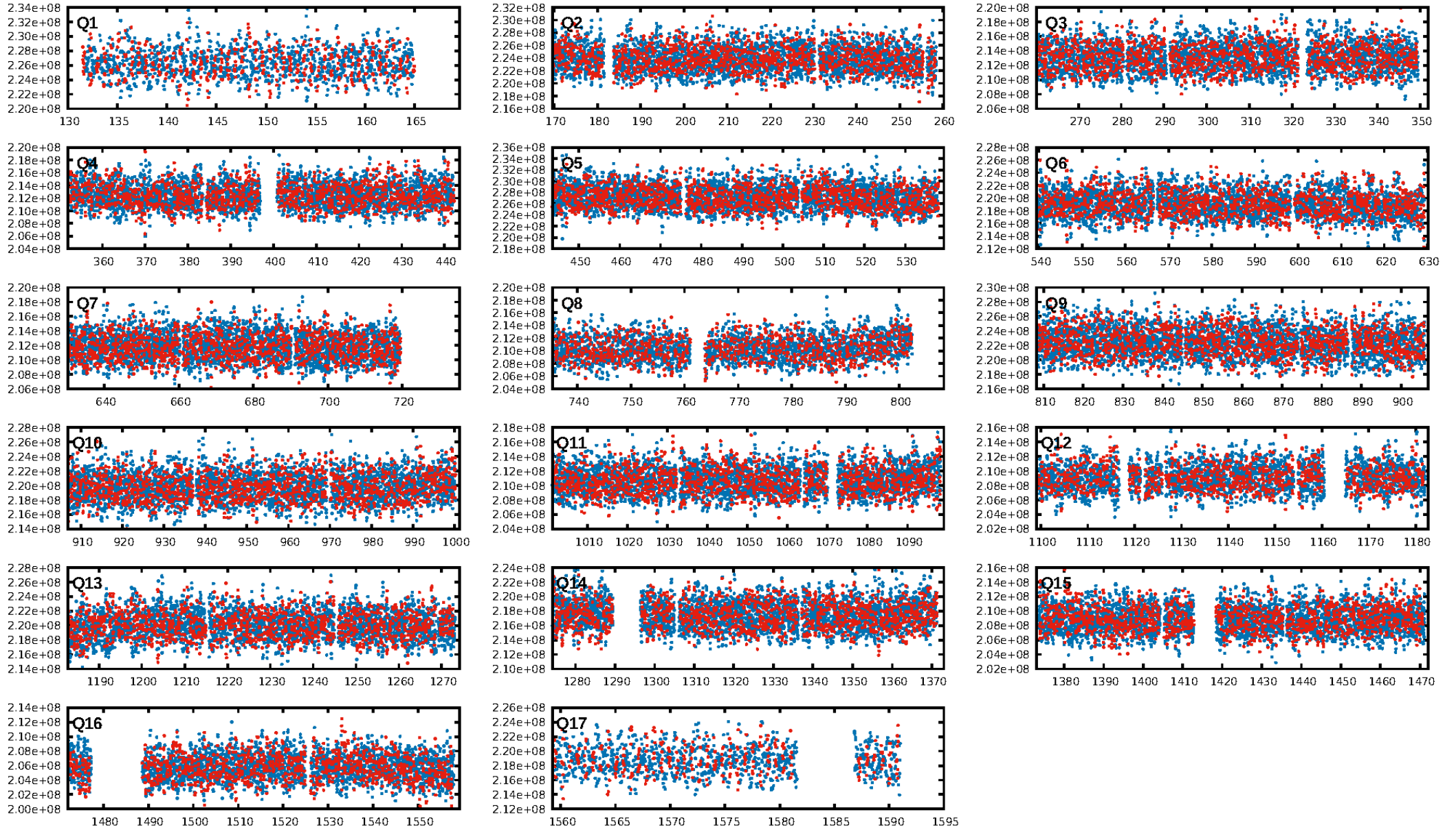
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 98.8% [2.52σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [1841/1841]
GhostDiagnostic-chr: 0.969
Centroid-sig: 0.2%
Centroid-so: 0.164 arcsec [5.89σ]
OotOffset-rm: 0.072 arcsec [0.49σ]
KicOffset-rm: 0.249 arcsec [1.96σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.82 [14/17]
DiffImageOverlap-fno: 0.00 [0/17]

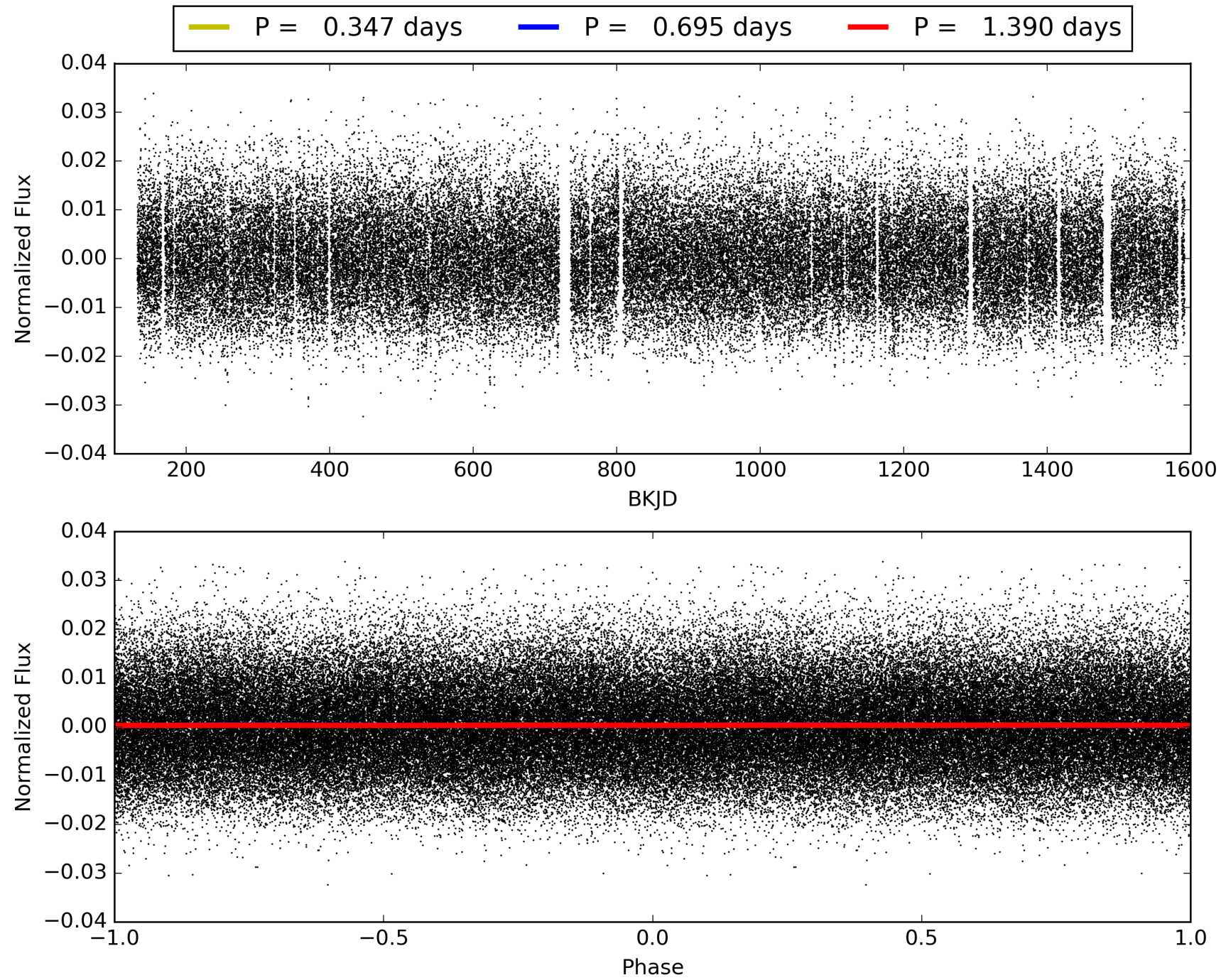
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 01:20:13 Z

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

TCE 006762992-01, PDC Light Curves

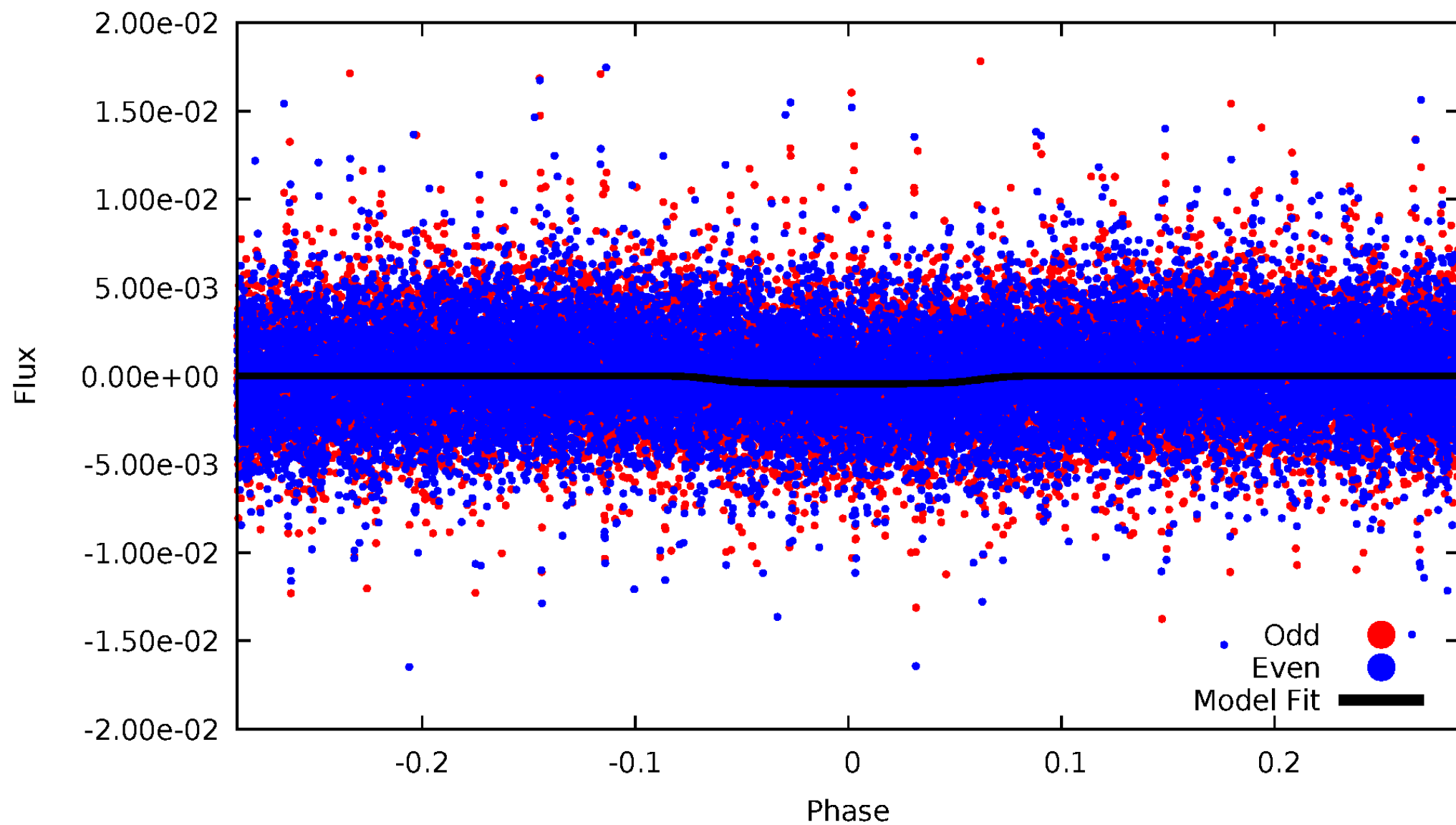


TCE 006762992-01



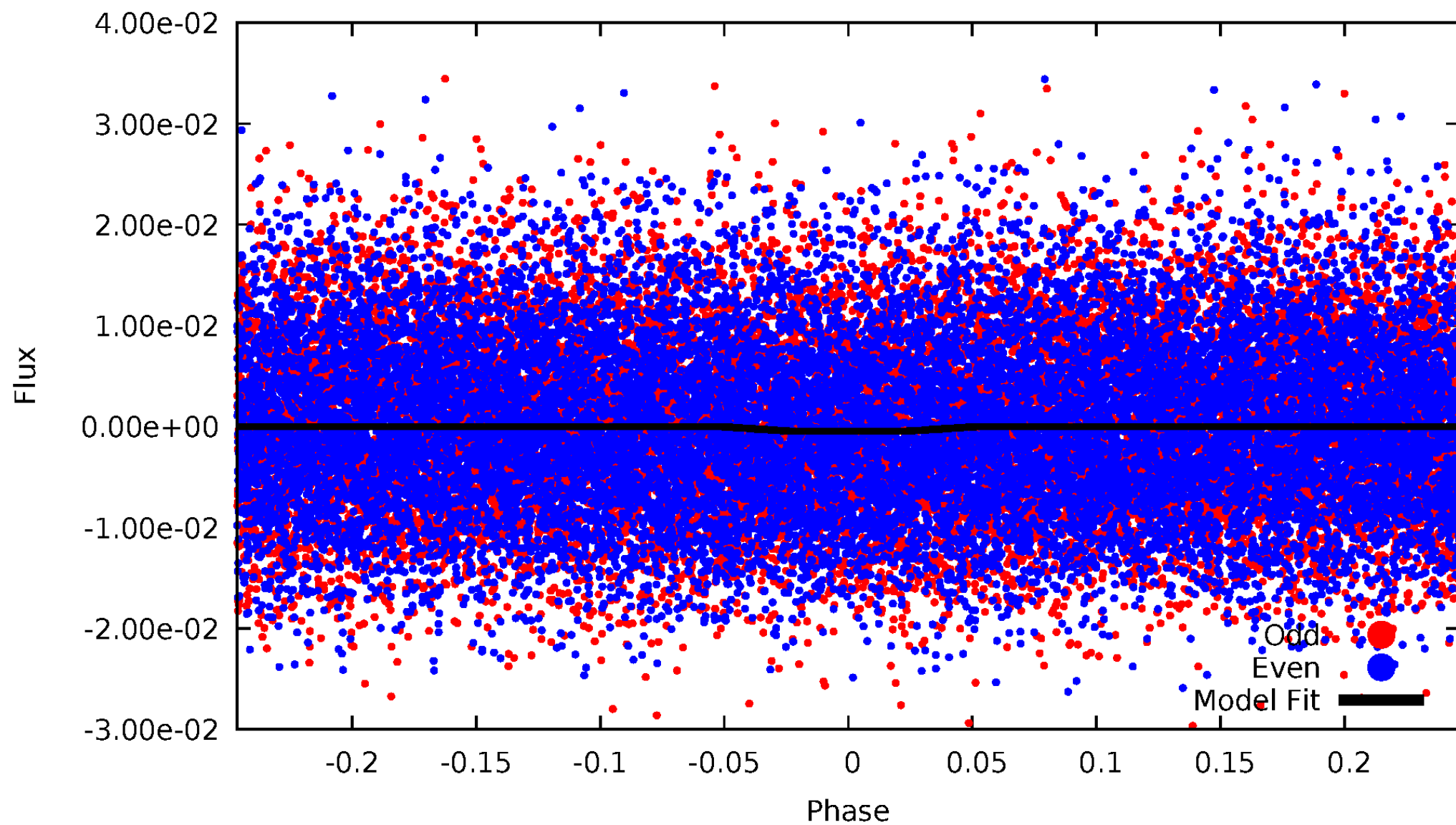
DV Odd/Even

TCE 006762992-01



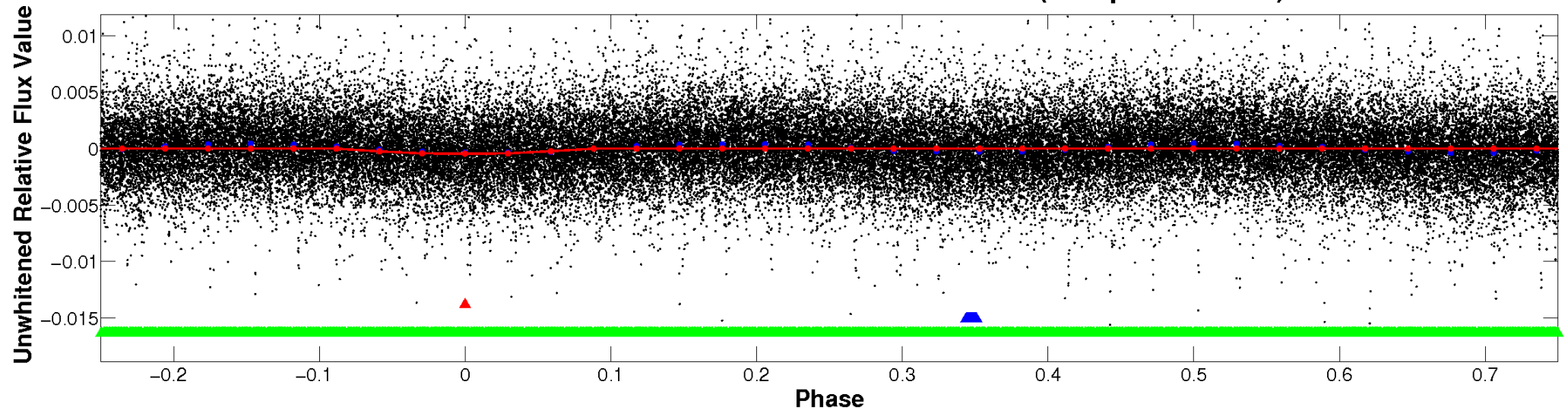
ALT Odd/Even

TCE 006762992-01

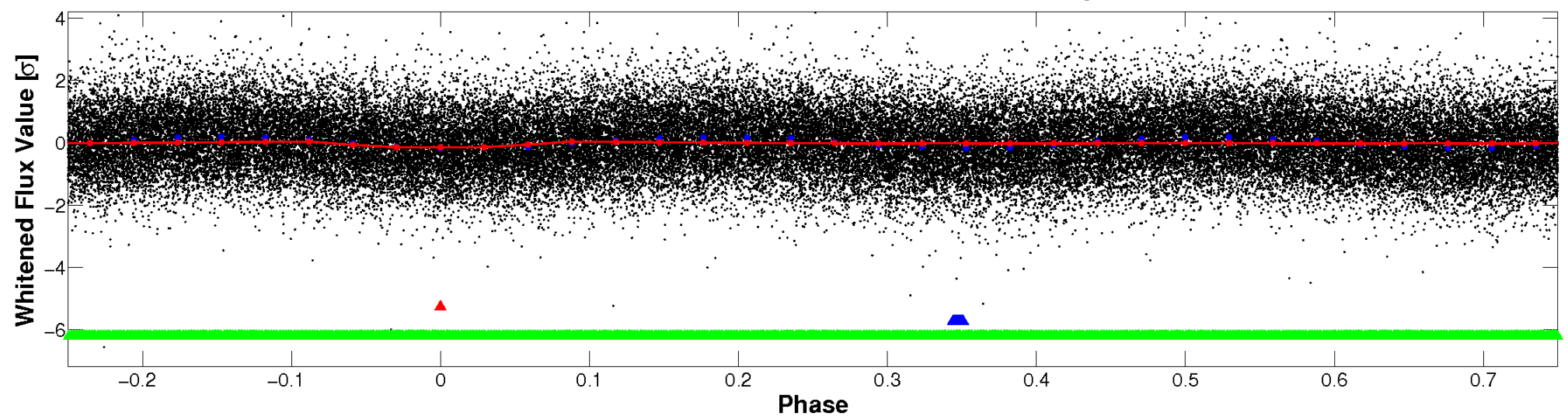


Non-Whitened Vs. Whitened Light Curve

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

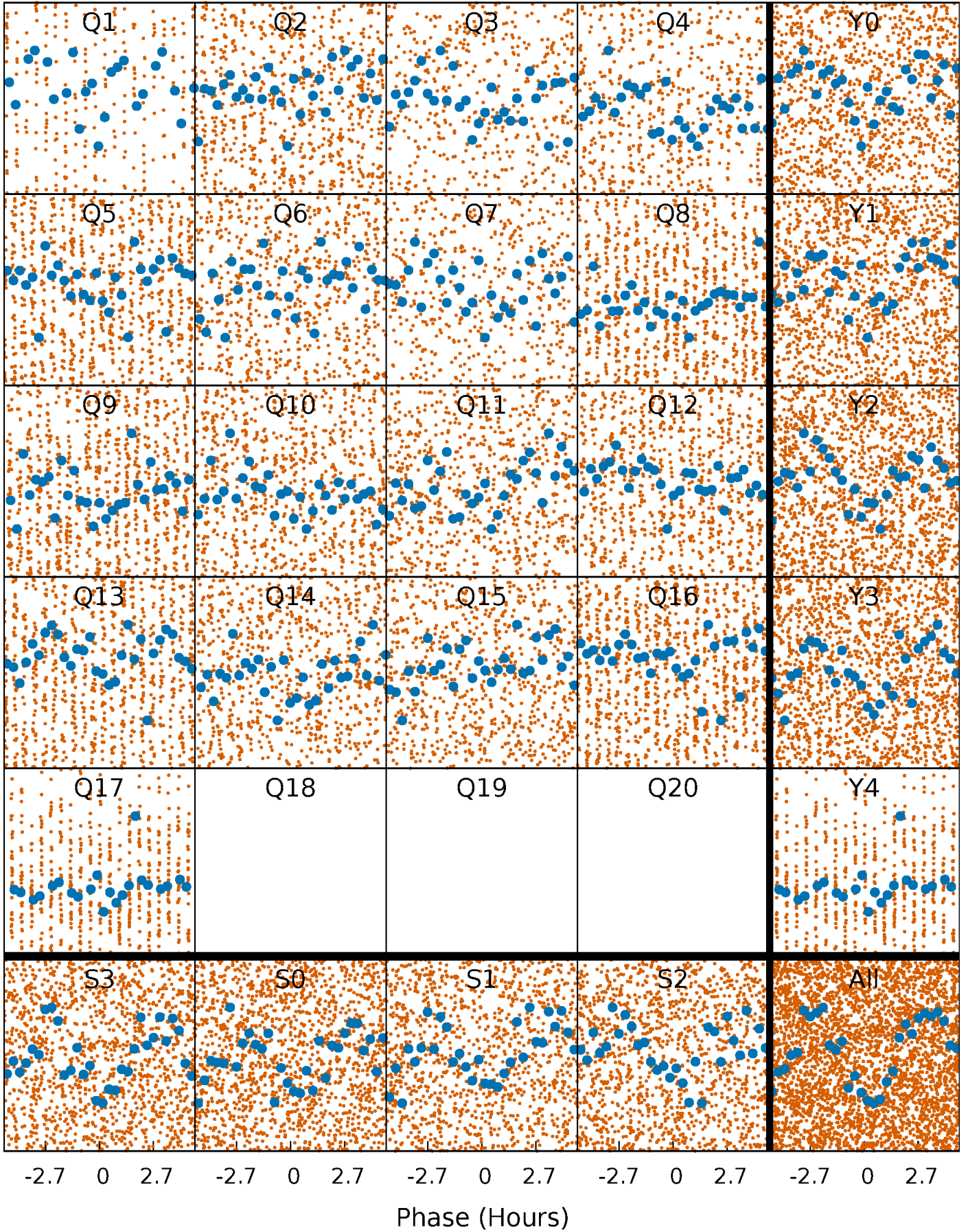


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



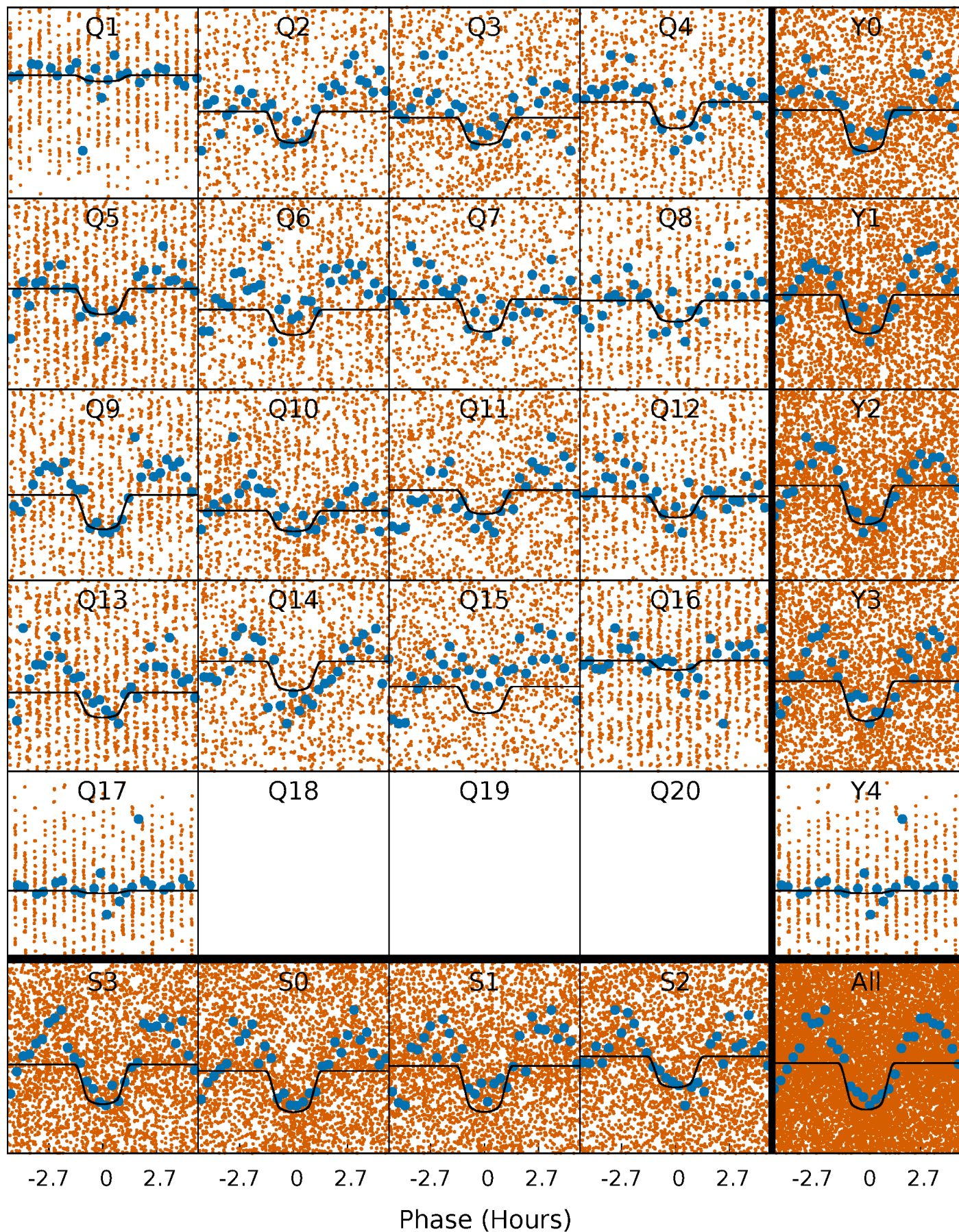
PDC Quarter-Phased Transit Curves

TCE 006762992-01 P= 0.694836 Days $T_0=131.601738$ (BKJD)



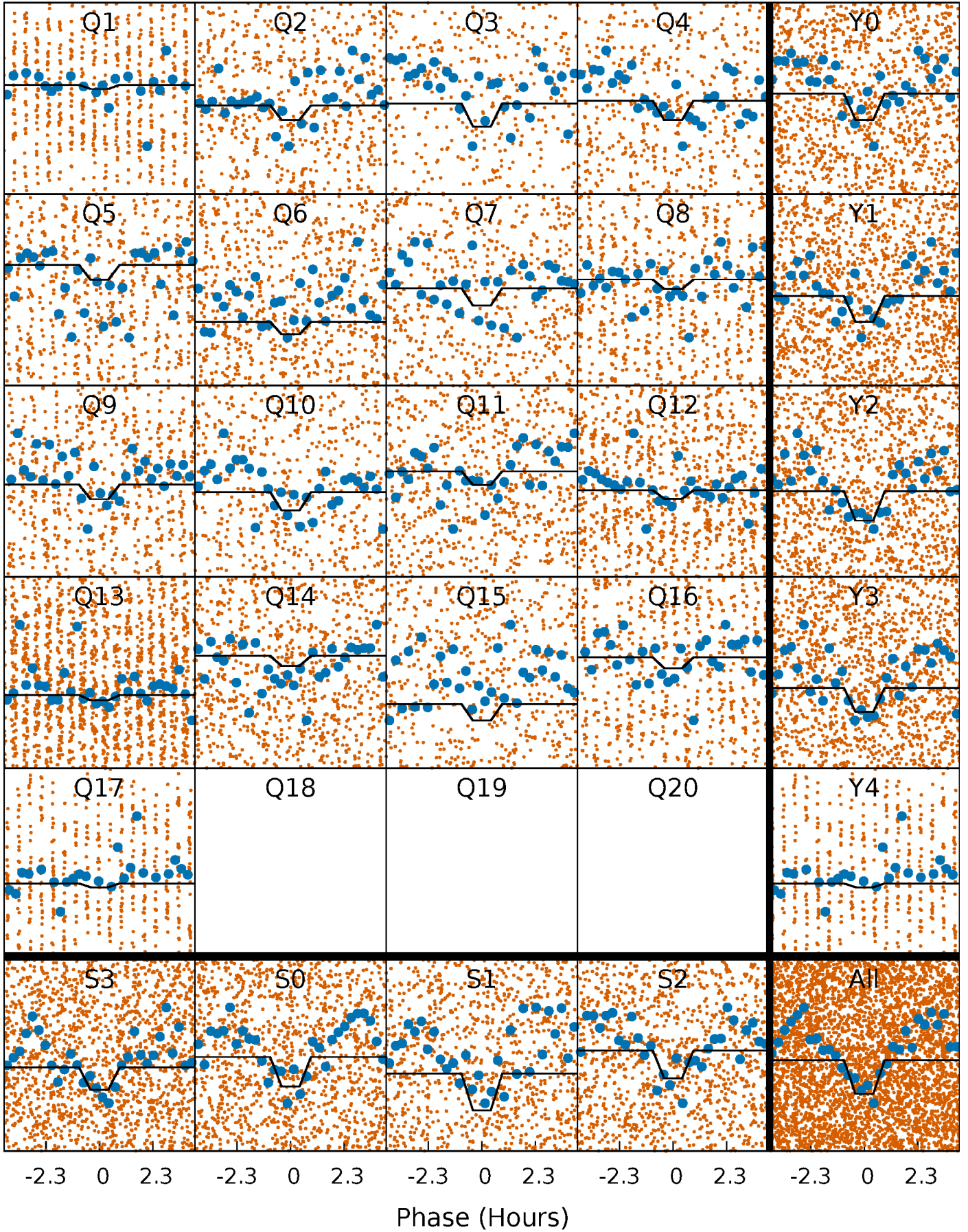
DV Quarter-Phased Transit Curves

TCE 006762992-01 P= 0.694836 Days $T_0=131.601738$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

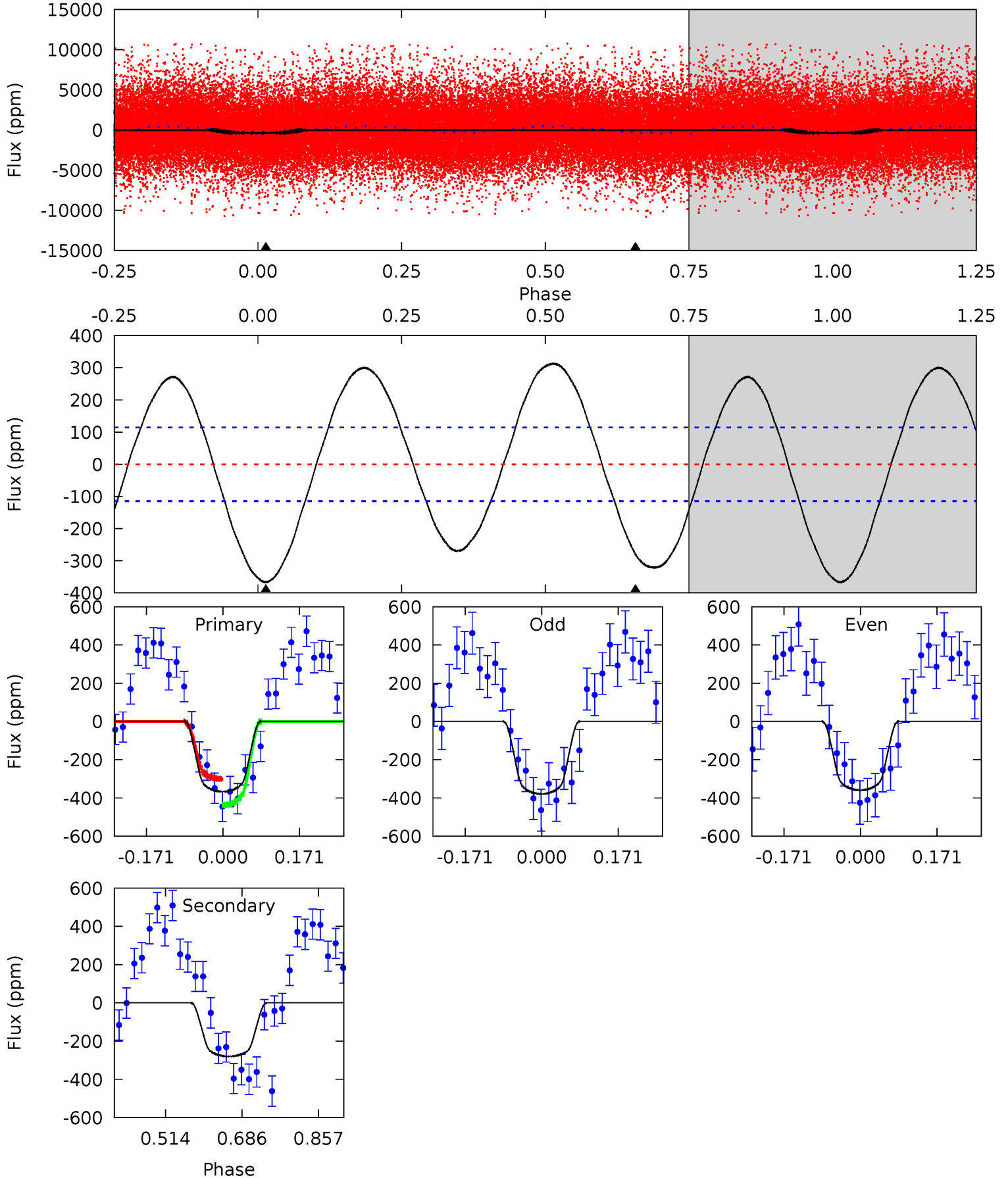
TCE 006762992-01 P= 0.694847 Days $T_0=131.601829$ (BKJD)



DV Model-Shift Uniqueness Test

006762992-01, P = 0.694836 Days, E = 130.906902 Days

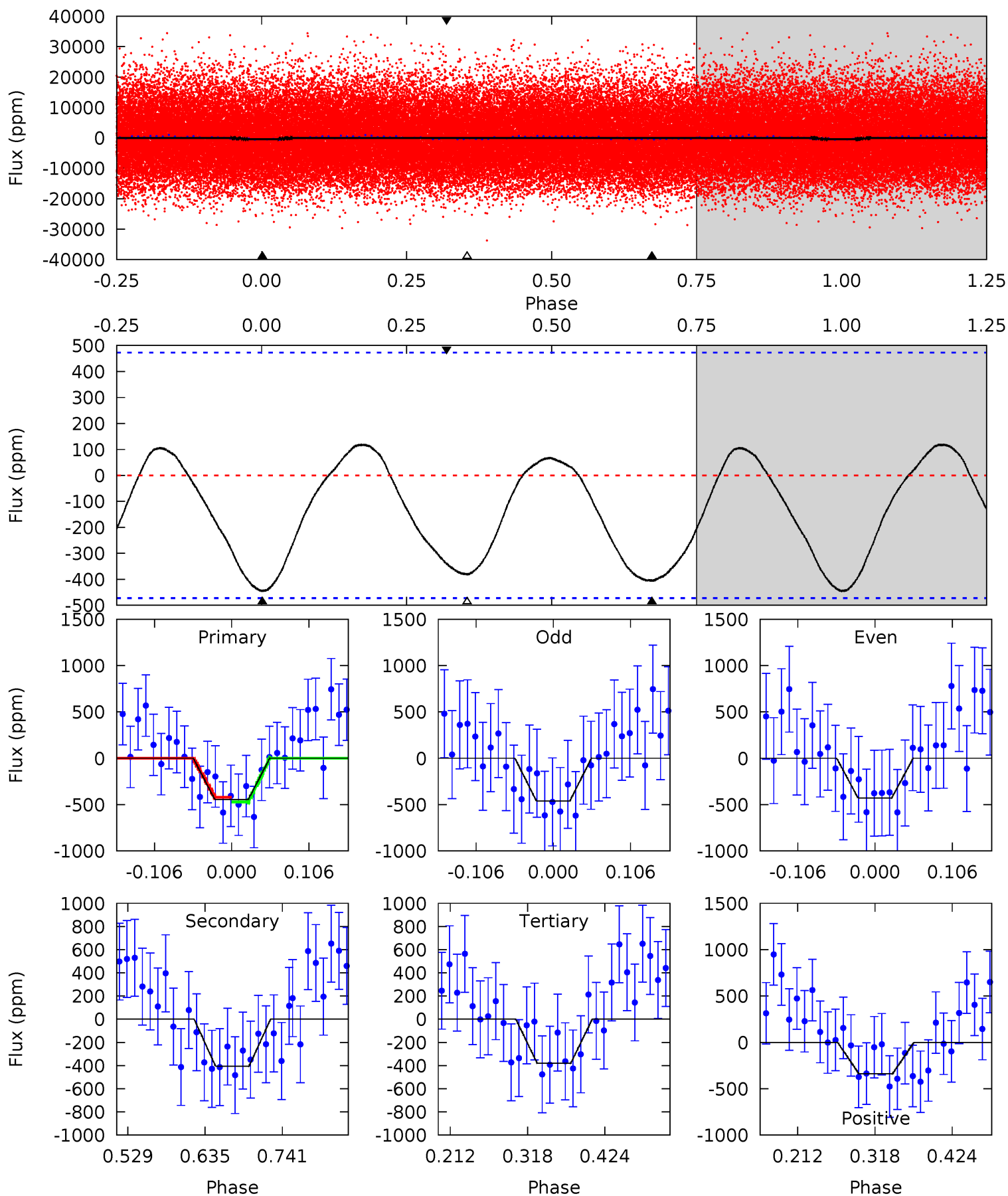
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
14.3	10.9	0	0	4.45	1.37	7.63	14.3	14.3	10.9	10.9	0.39	0.99	0.46	2.65



Alt Model-Shift Uniqueness Test

006762992-01, P = 0.694847 Days, E = 130.906982 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
4.30	3.91	3.67	-3.28	4.55	1.62	1.54	0.62	7.57	0.24	7.19	0.15	1.01	0.21	0.25



Stellar Parameters For KIC 006762992

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7666^{+212}_{-319}	$3.675^{+0.495}_{-0.082}$	$-0.220^{+0.200}_{-0.300}$	$3.404^{+0.420}_{-1.784}$	$1.998^{+0.177}_{-0.567}$	$0.071^{+0.382}_{-0.019}$
	+3%/-4%	+13%/-2%	+91%/-136%	+12%/-52%	+9%/-28%	+536%/-27%
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 006762992-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-280 ± 26	$7.76^{+2.33}_{-2.60}$	6063^{+421}_{-793}	5875^{+1101}_{-946}	$0.961^{+1.014}_{-0.385}$
Alt.	-406 ± 104	$7.16^{+2.31}_{-2.27}$	6016^{+439}_{-861}	6885^{+1481}_{-1216}	$1.623^{+1.845}_{-0.782}$

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 $A_{obs} \gg 1.0$

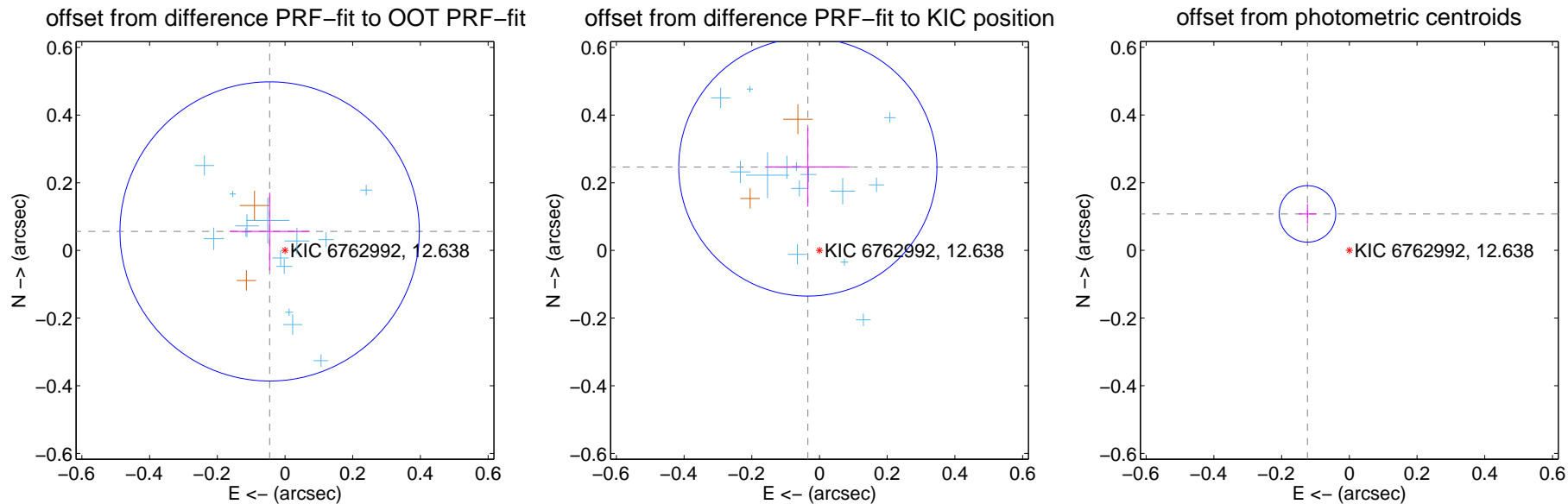
DV Centroid Data

Supplemental centroid analysis for 006762992-01. Kepler magnitude: 12.64. Transit SNR 12.52

There are 14 quarters with good PRF difference image offsets

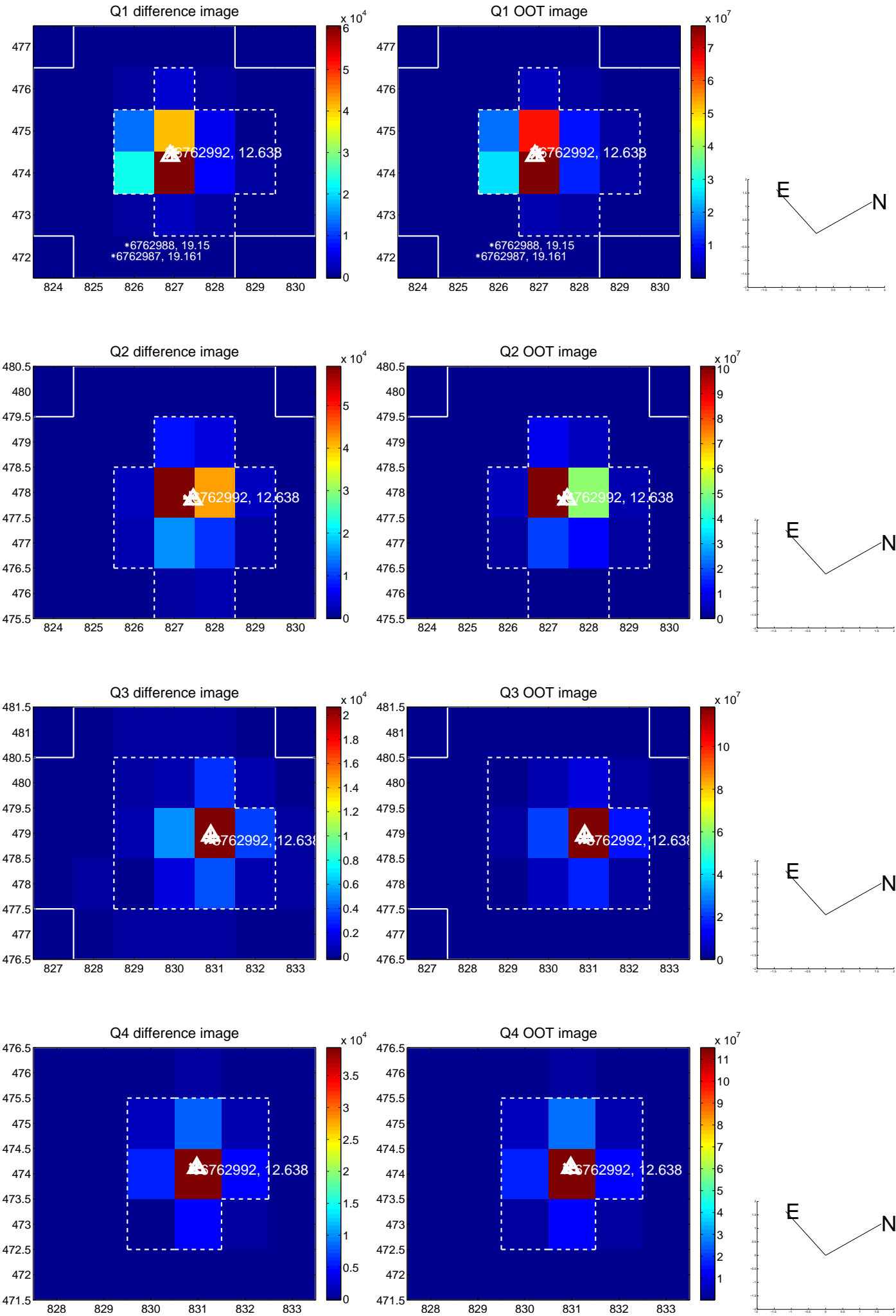
The direct PRF centroid is offset from the target star catalog position by about 0.26 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.072 ± 0.147	0.49	0.045 ± 0.118	0.056 ± 0.115
PRF-fit source offset from KIC position	0.249 ± 0.127	1.96	0.034 ± 0.125	0.246 ± 0.117
photometric centroid source offset	0.16 ± 0.03	5.89	0.12 ± 0.03	0.11 ± 0.03

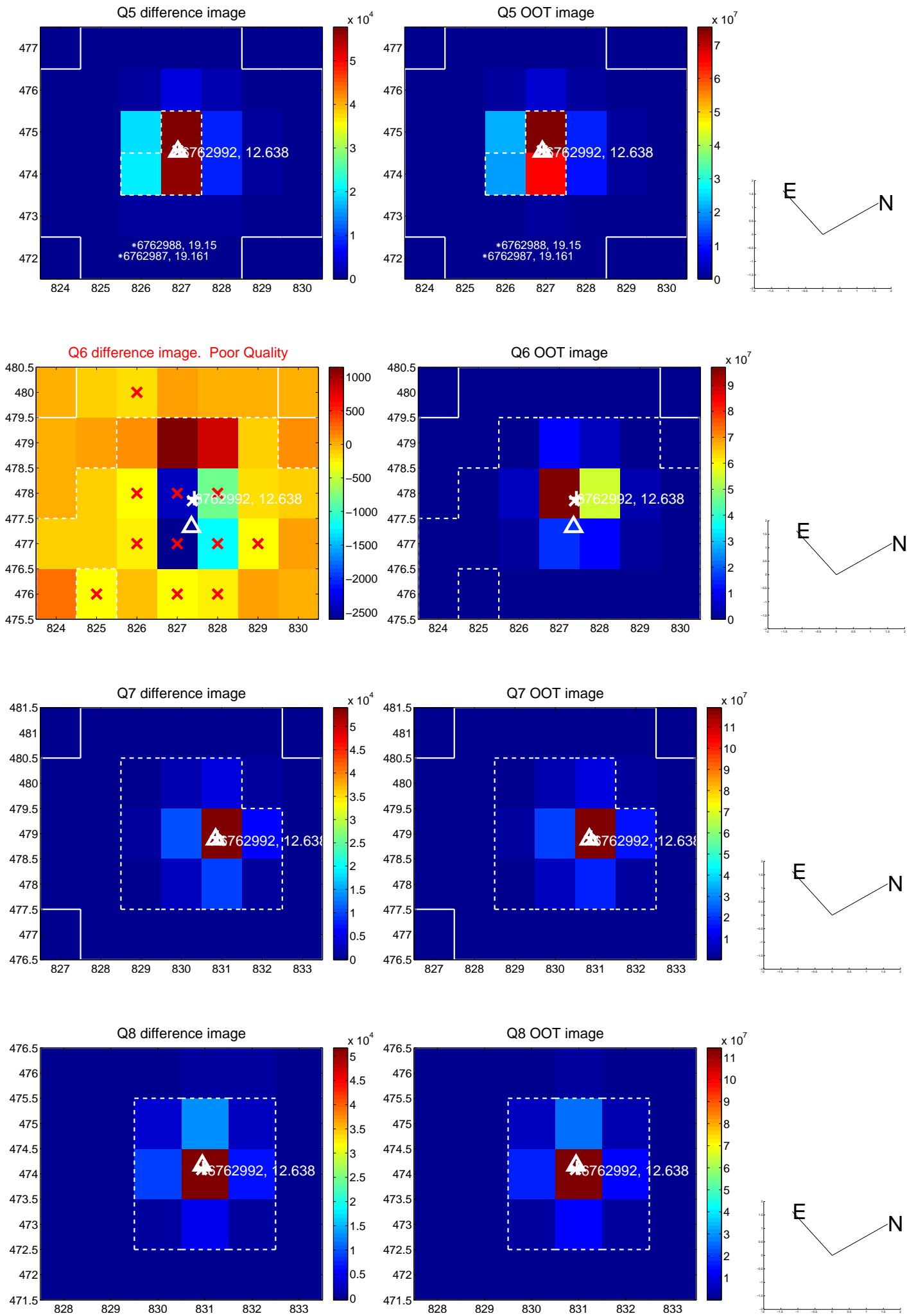


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

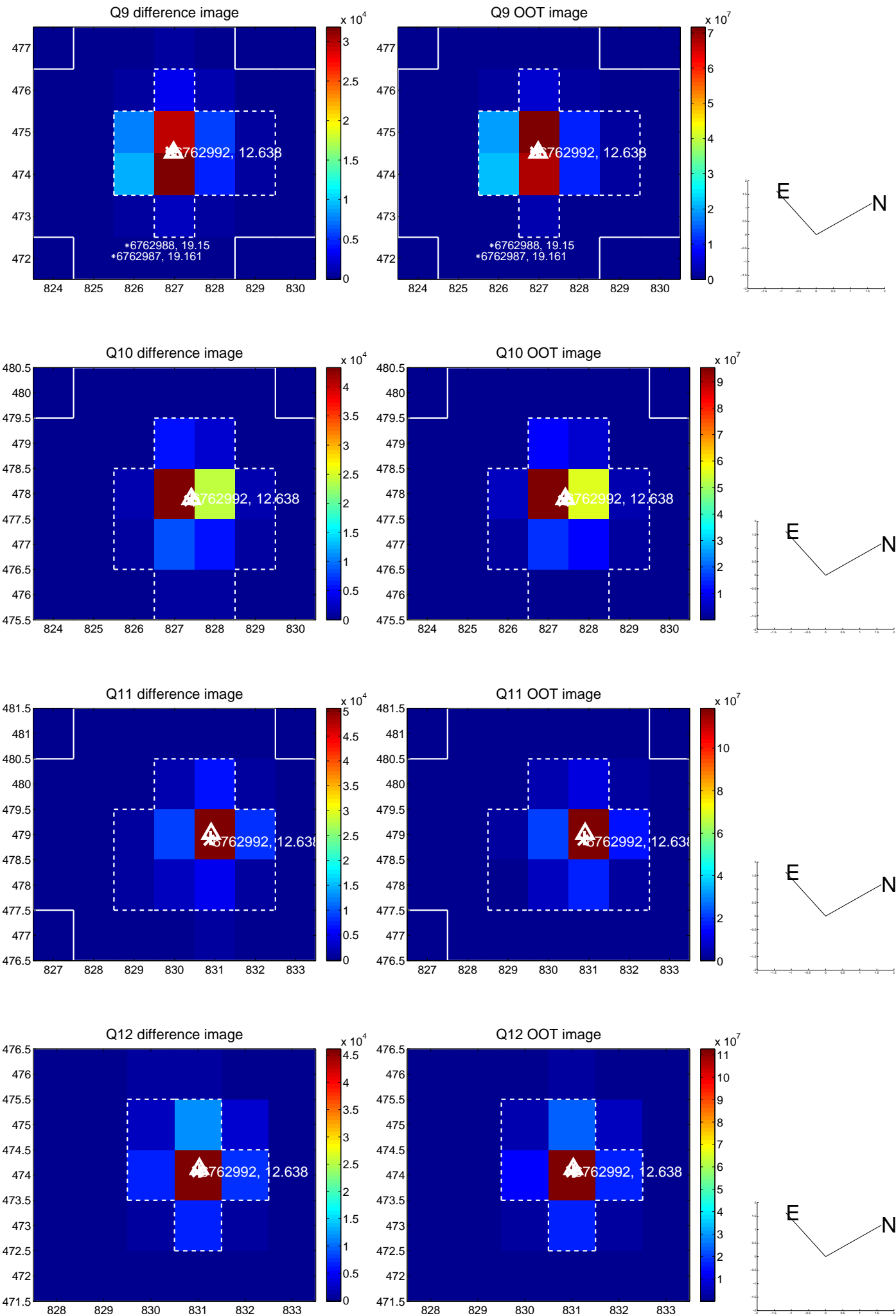
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



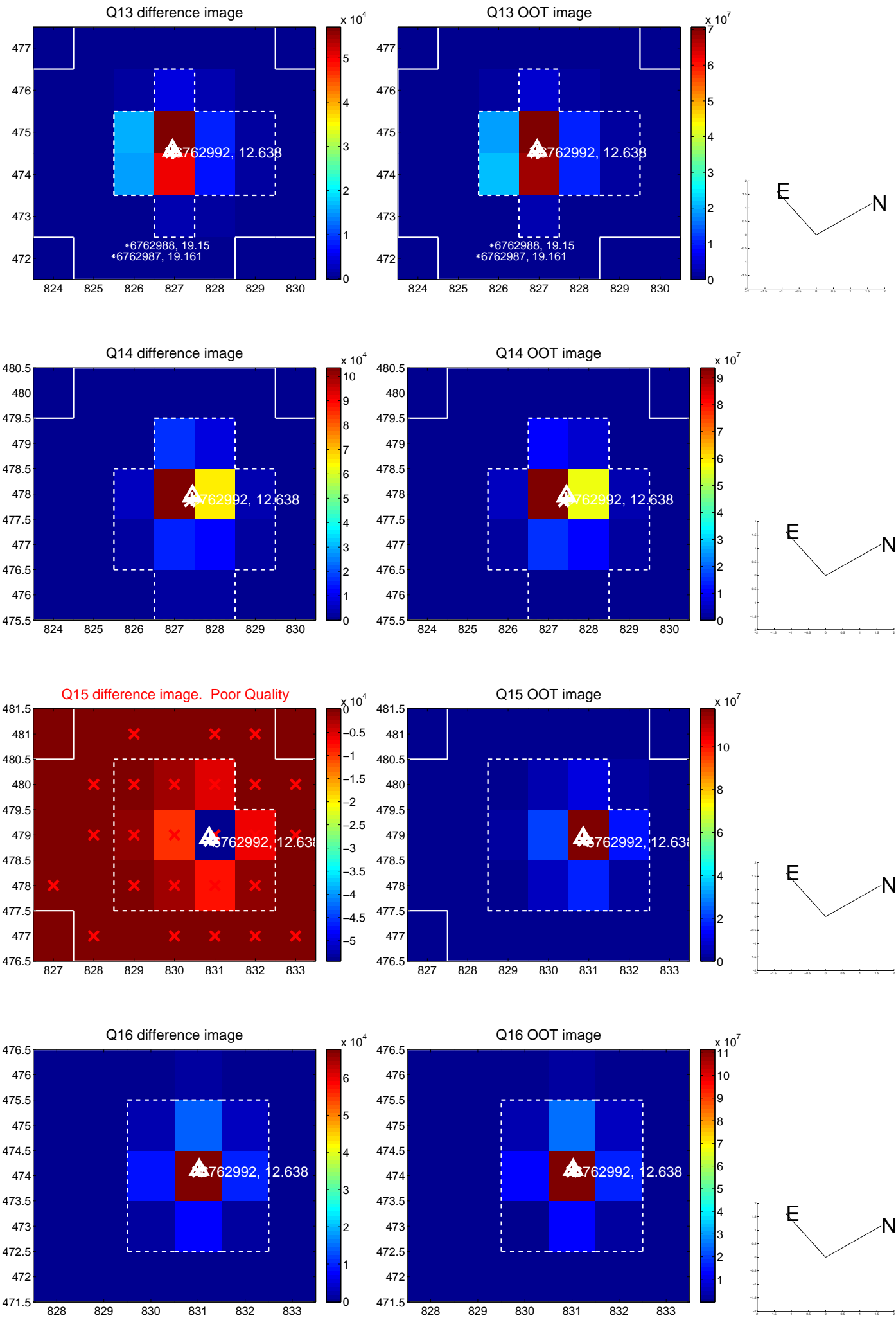
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



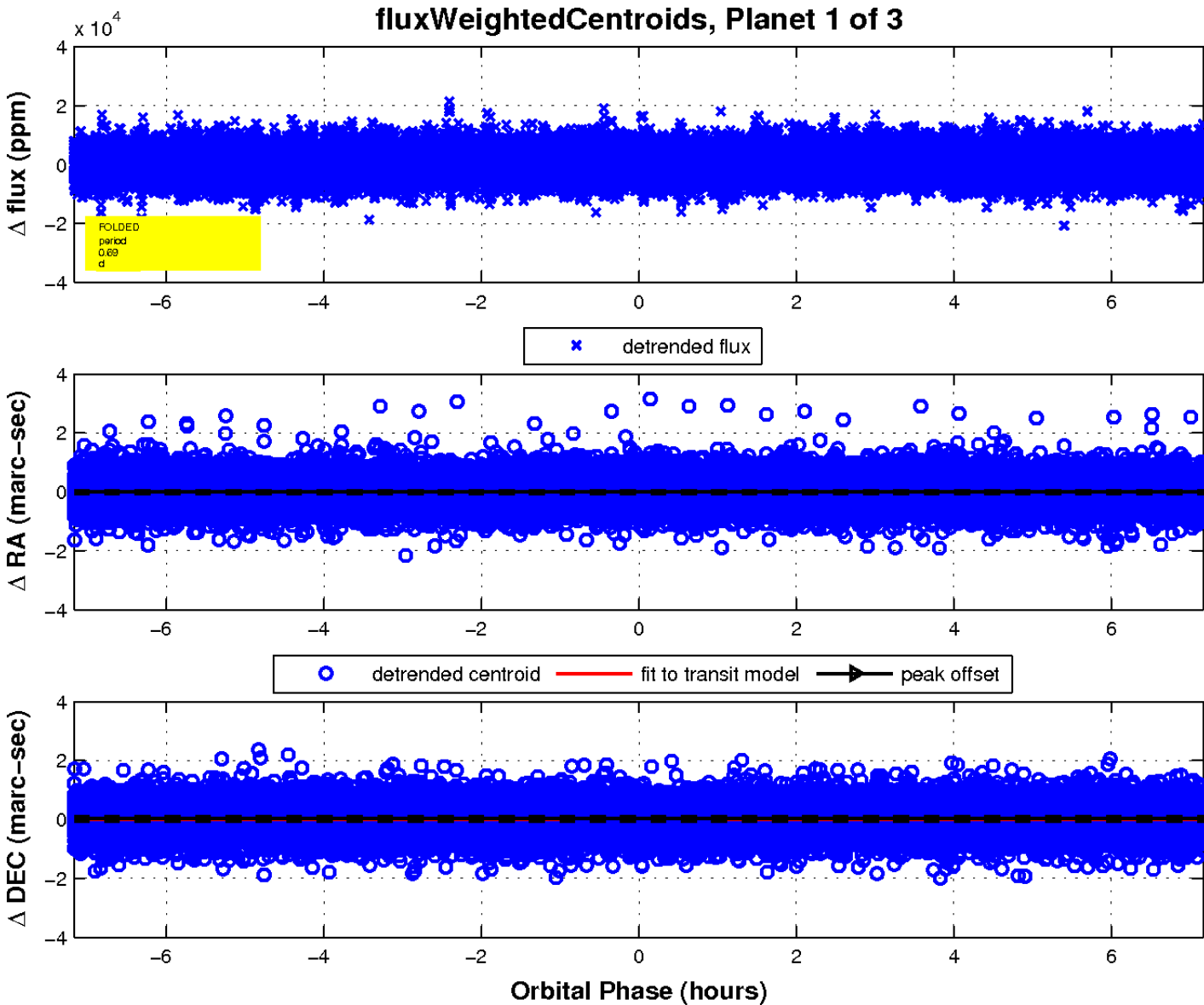
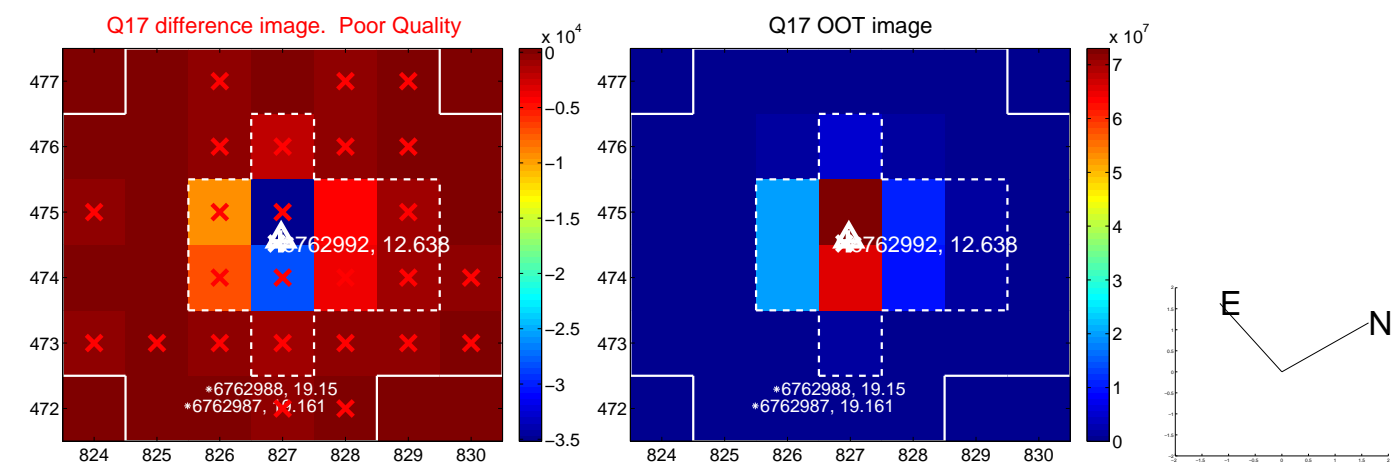
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

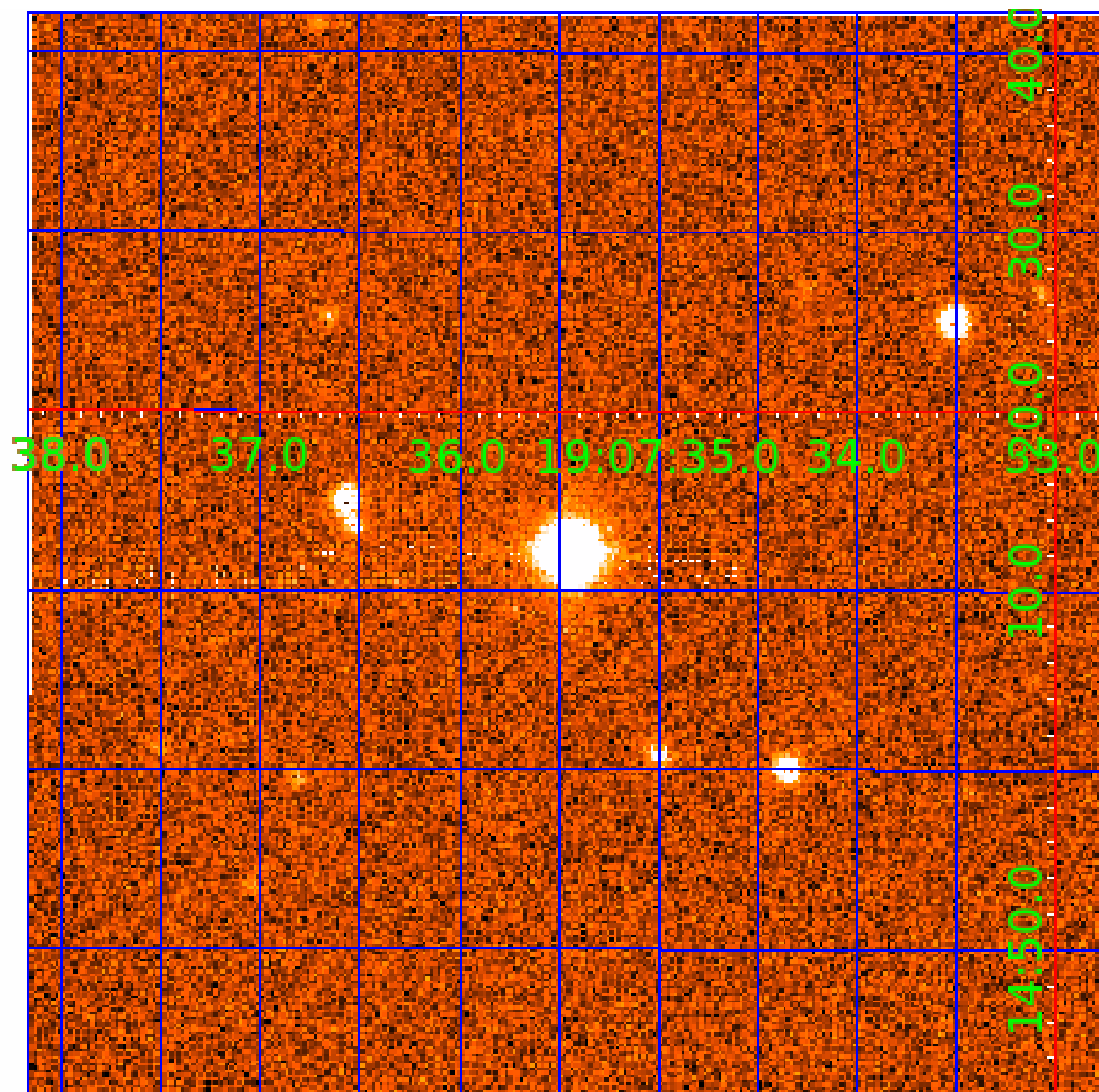


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006762992

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})
006762992-01	OBS	No	0.694836	131.601737	450.3	2.391	16.5	12.5	3.40	7666	8.49	95789.93
006762992-02	OBS	No	0.694833	131.845548	374.5	1.787	11.9	9.2	3.40	7666	7.75	95790.35
006762992-03	OBS	No	1.415658	132.669331	1310.1	6.442	8.5	12.7	3.40	7666	18.78	37086.69

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006762992-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
006762992-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
006762992-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT

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

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

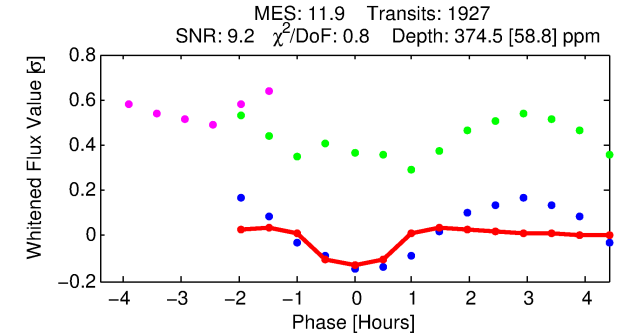
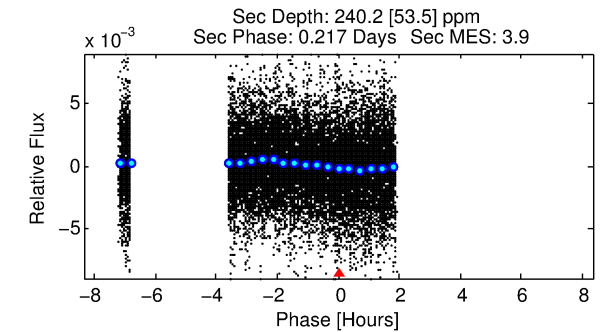
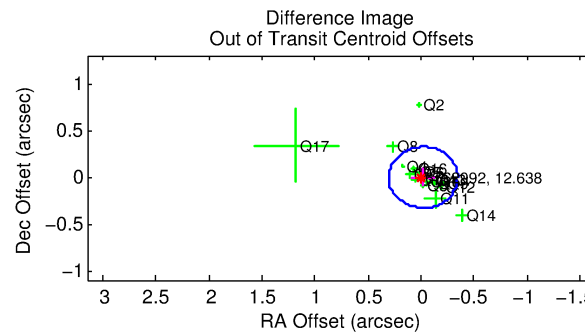
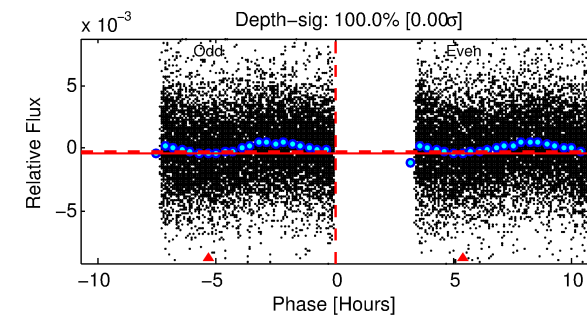
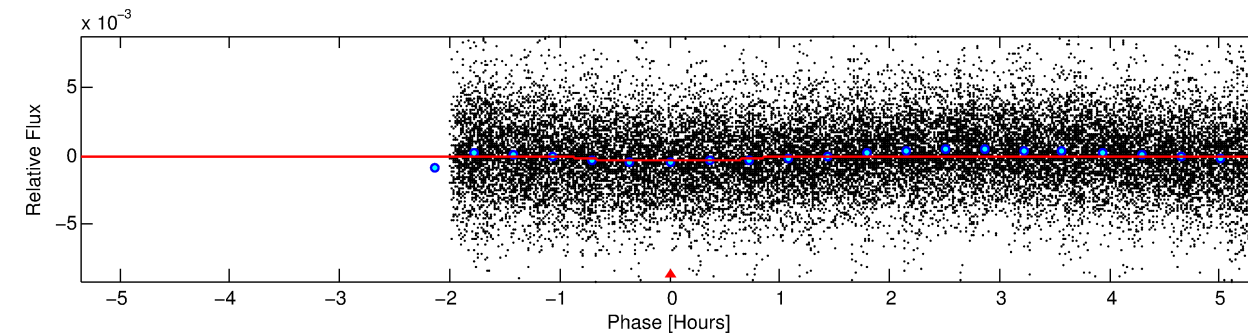
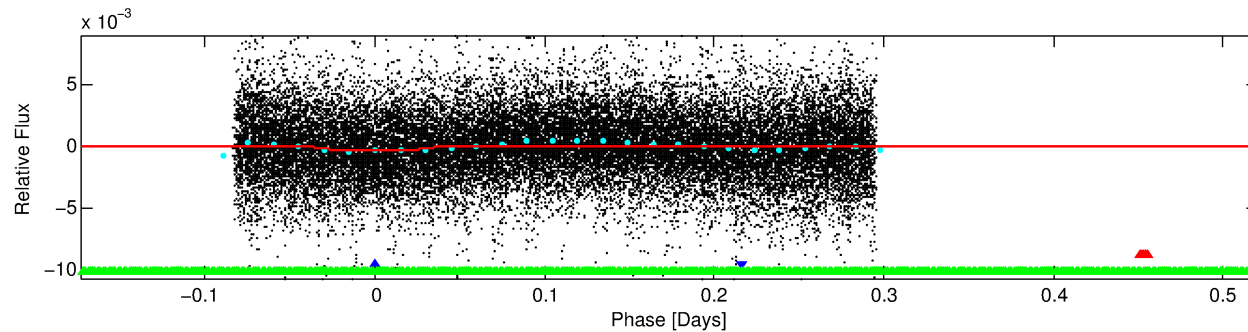
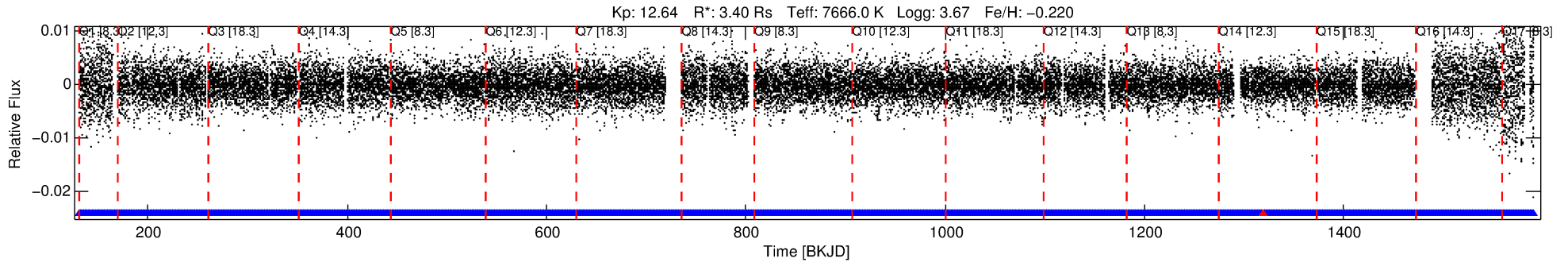
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006762992-02

No Significant Match Found

DV One-Page Summary

KIC: 6762992 Candidate: 2 of 3 Period: 0.695 d



DV Fit Results:

Period = 0.69483 [0.00001] d
Epoch = 131.8455 [0.0021] BKJD
Rp/R* = 0.0209 [0.0089]
a/R* = 1.71 [2.56]
b = 0.90 [0.49]
Seff = 95790.35 [81683.81]
Teff = 4486 [956] K
Rp = 7.75 [5.23] Re
a = 0.0193 [0.0100] AU
Ag = 0.82 [1.00] [-0.18σ]
Teffp = 6608 [1475] K [1.21σ]

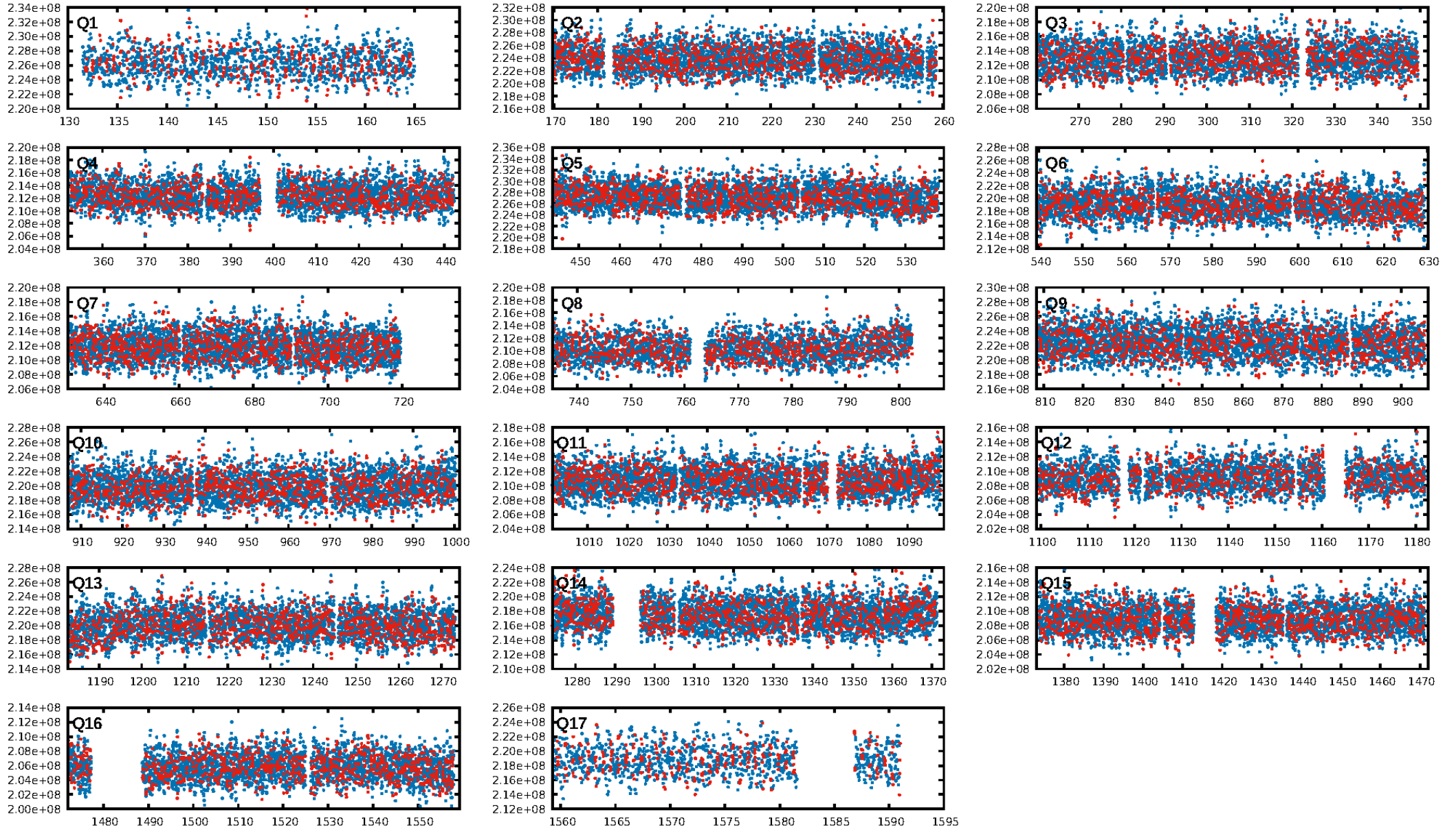
DV Diagnostic Results:

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 [1839/1840]
GhostDiagnostic-chr: 1.317
Centroid-sig: 10.7%
Centroid-so: 0.238 arcsec [6.10σ]
OotOffset-rm: 0.020 arcsec [0.18σ]
KicOffset-rm: 0.188 arcsec [2.07σ]
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]

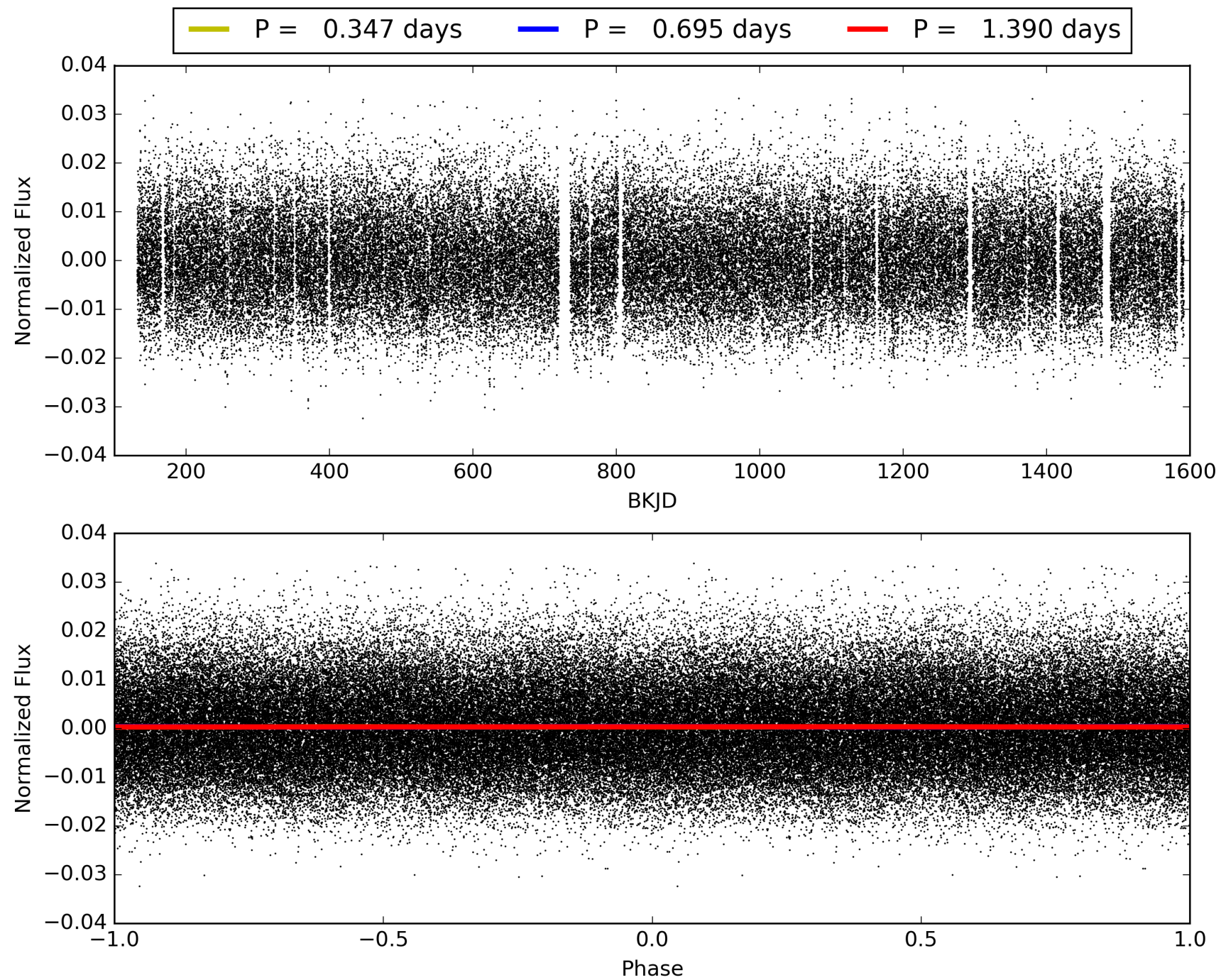
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 01:20:25 Z

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

TCE 006762992-02, PDC Light Curves

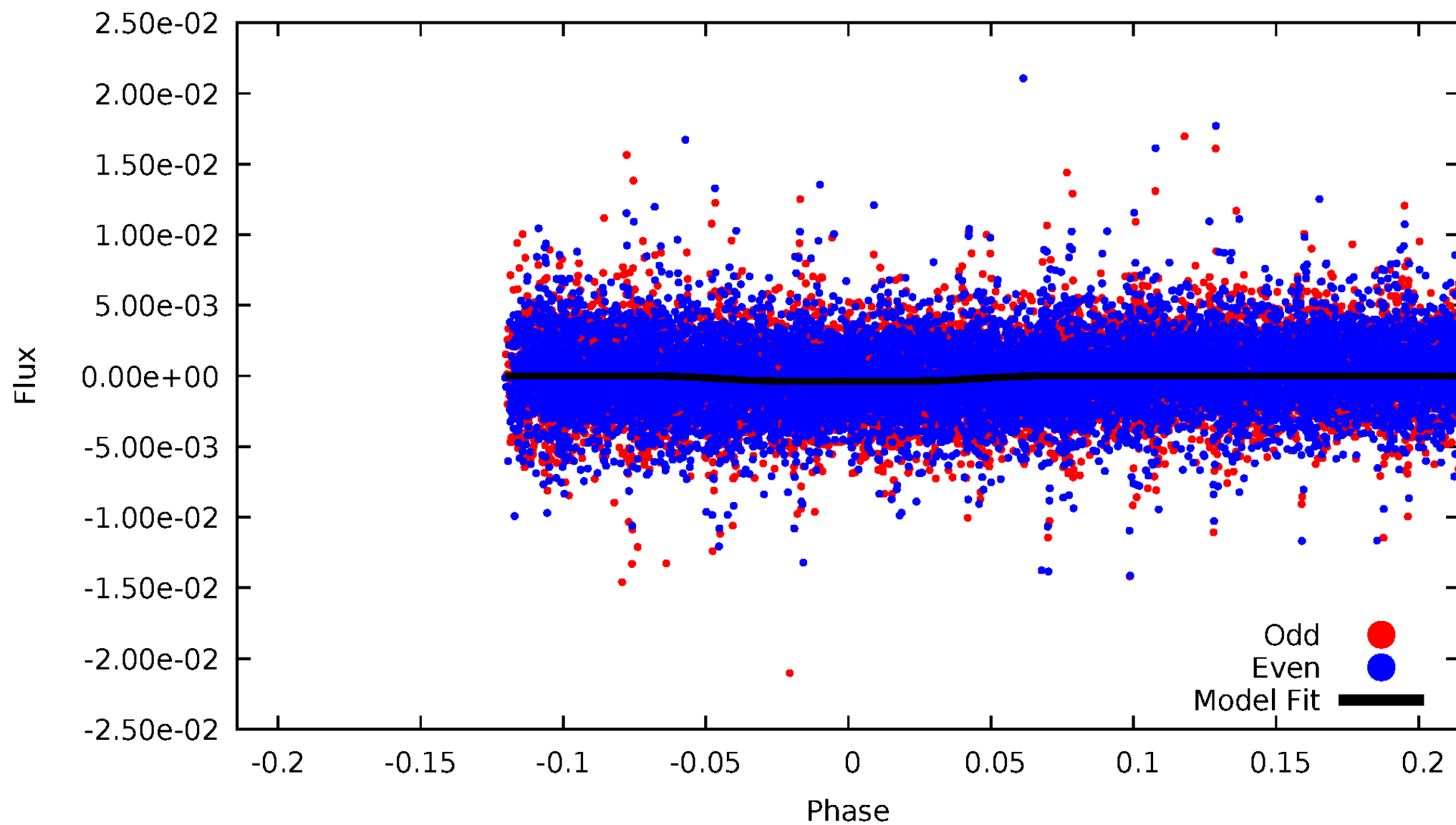


TCE 006762992-02



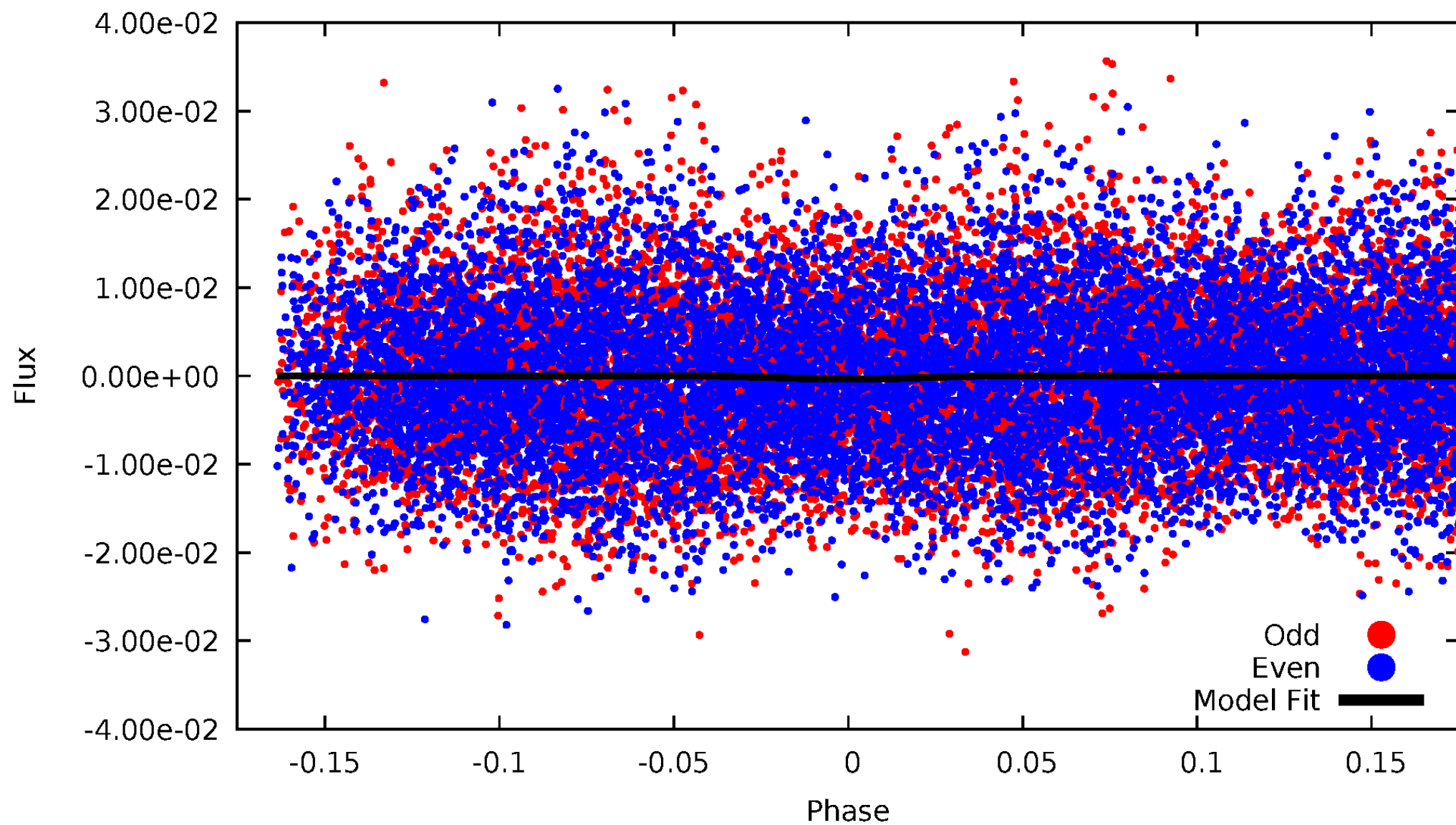
DV Odd/Even

TCE 006762992-02



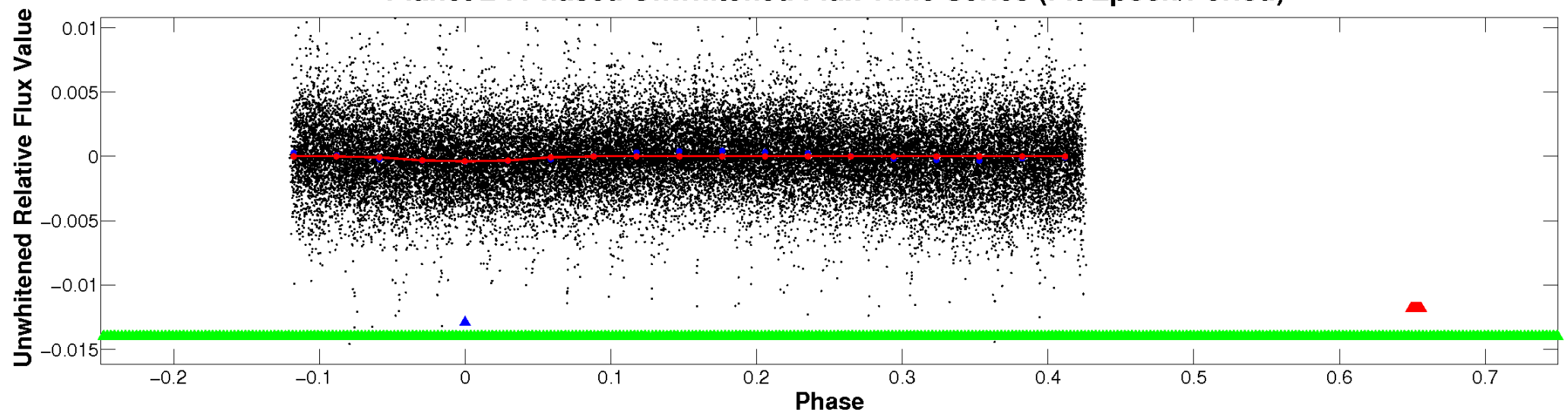
ALT Odd/Even

TCE 006762992-02

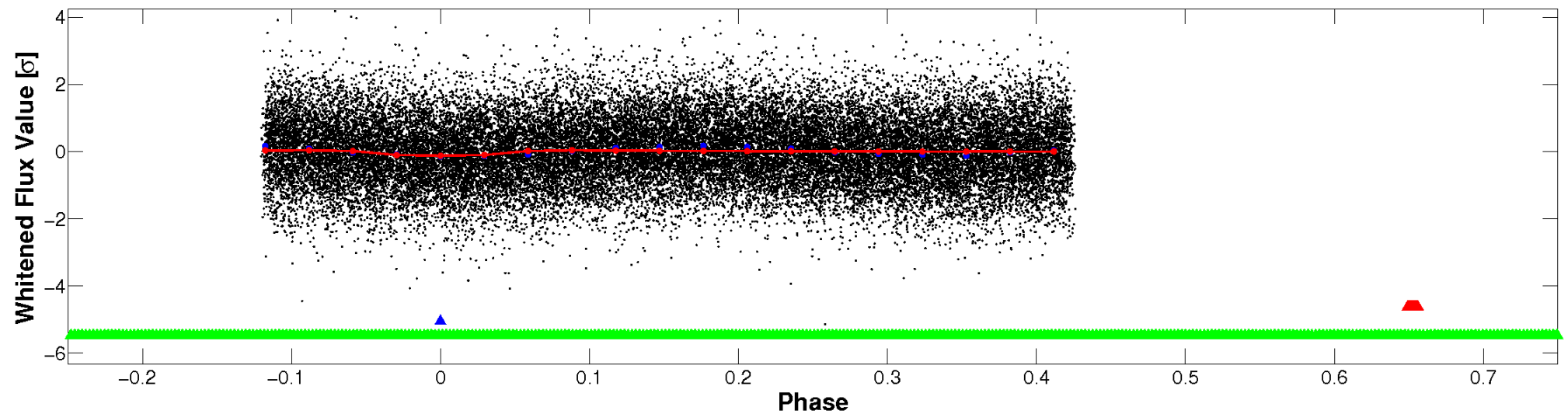


Non-Whitened Vs. Whitened Light Curve

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

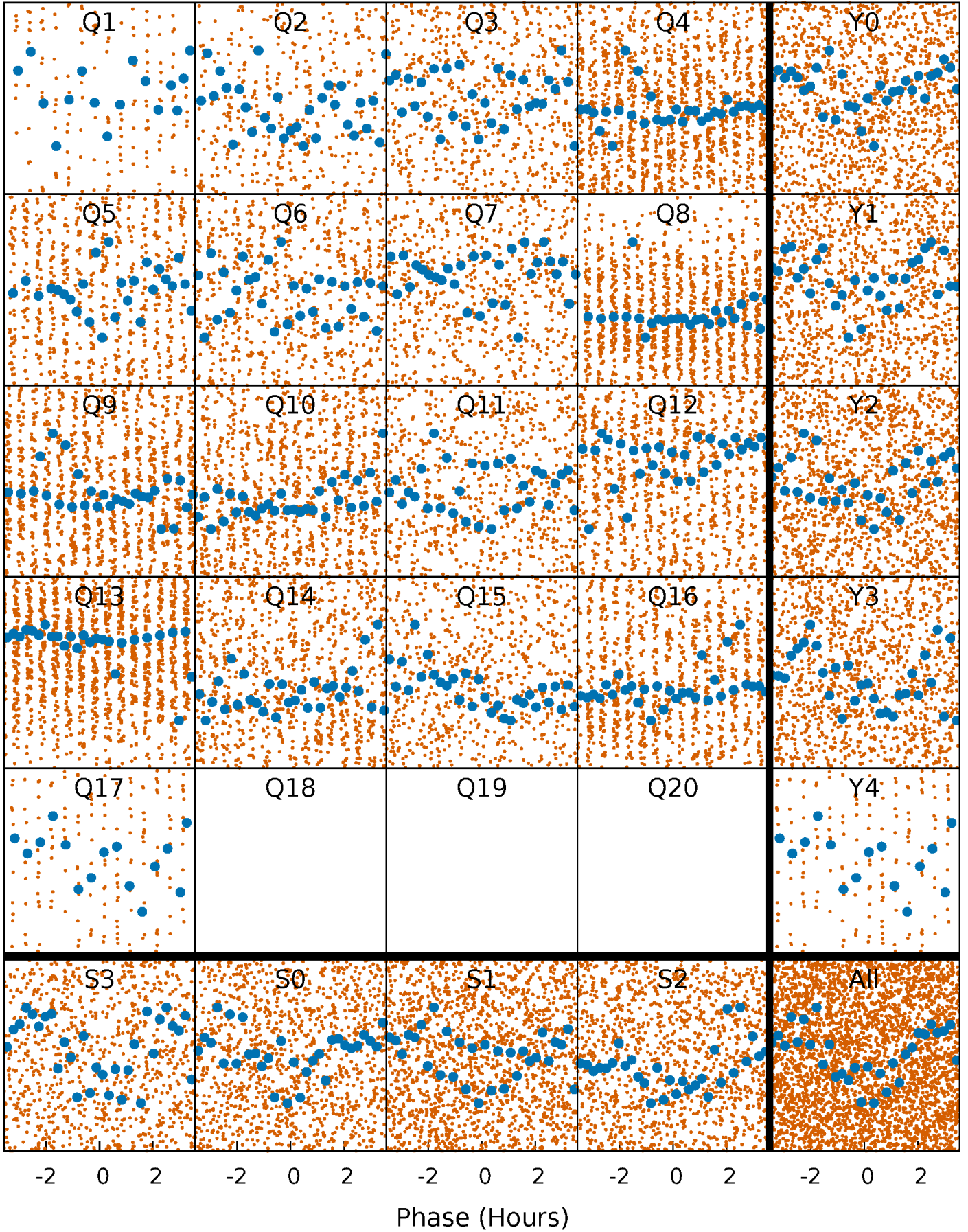


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



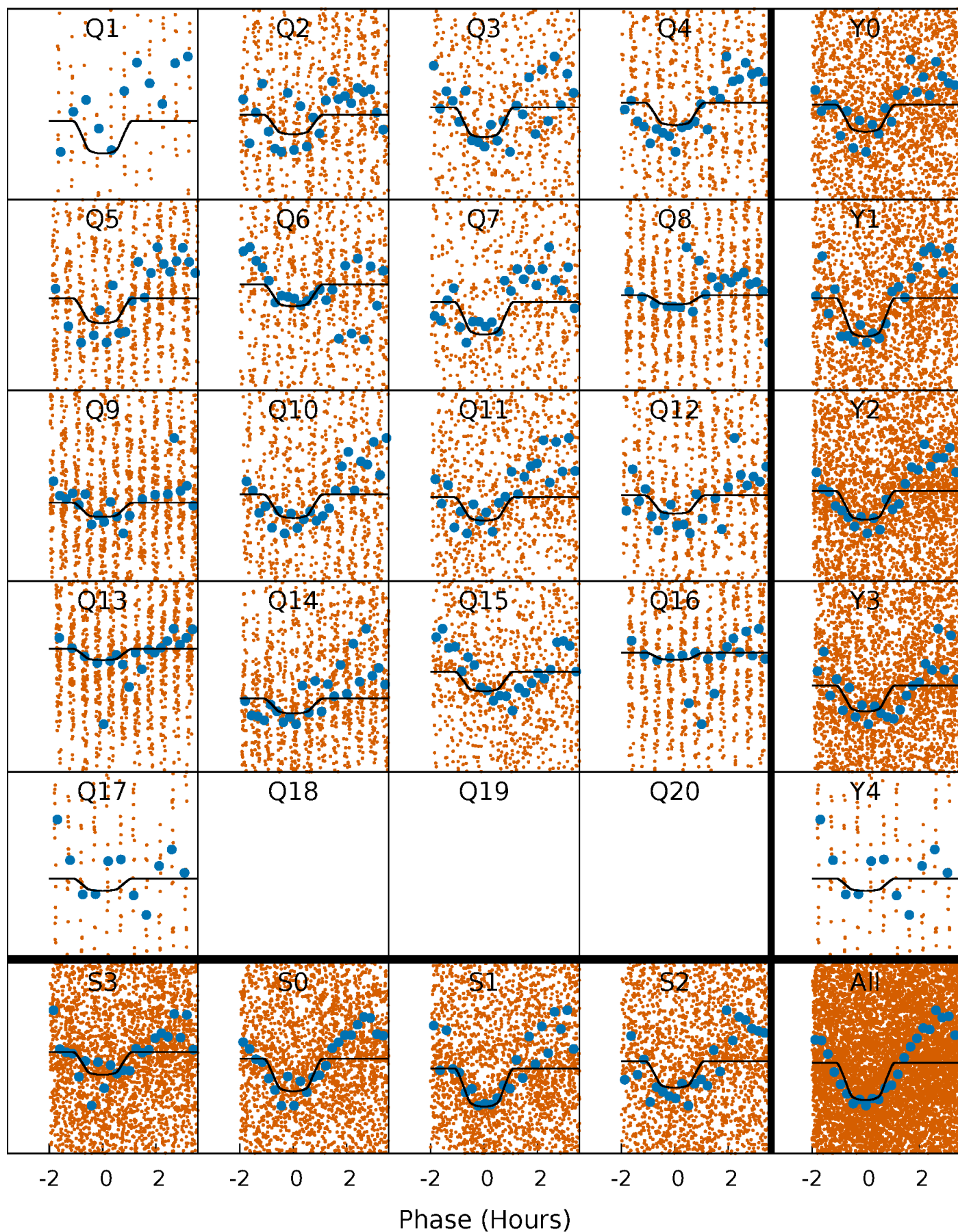
PDC Quarter-Phased Transit Curves

TCE 006762992-02 P= 0.694833 Days $T_0=131.845548$ (BKJD)



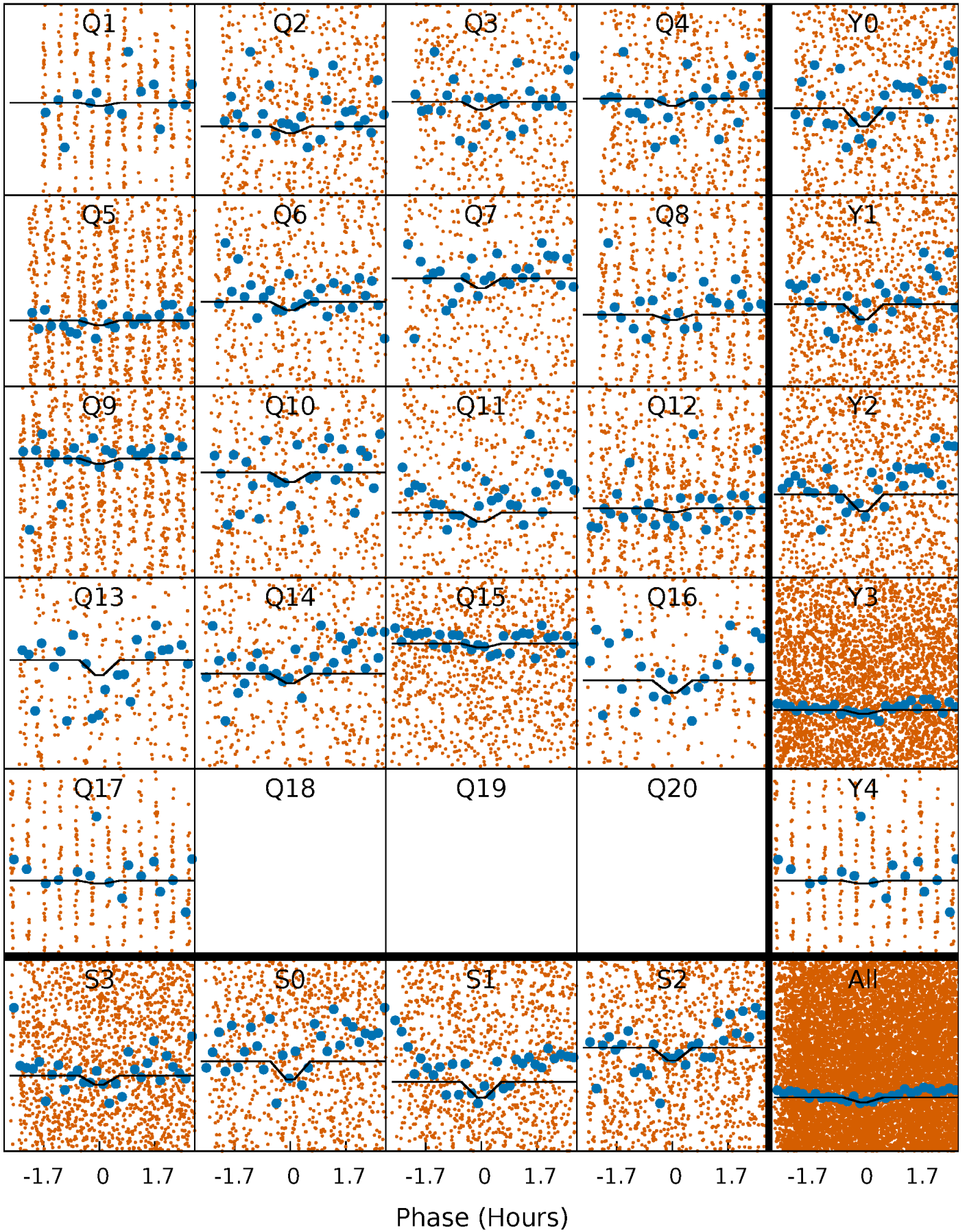
DV Quarter-Phased Transit Curves

TCE 006762992-02 P= 0.694833 Days $T_0=131.845548$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

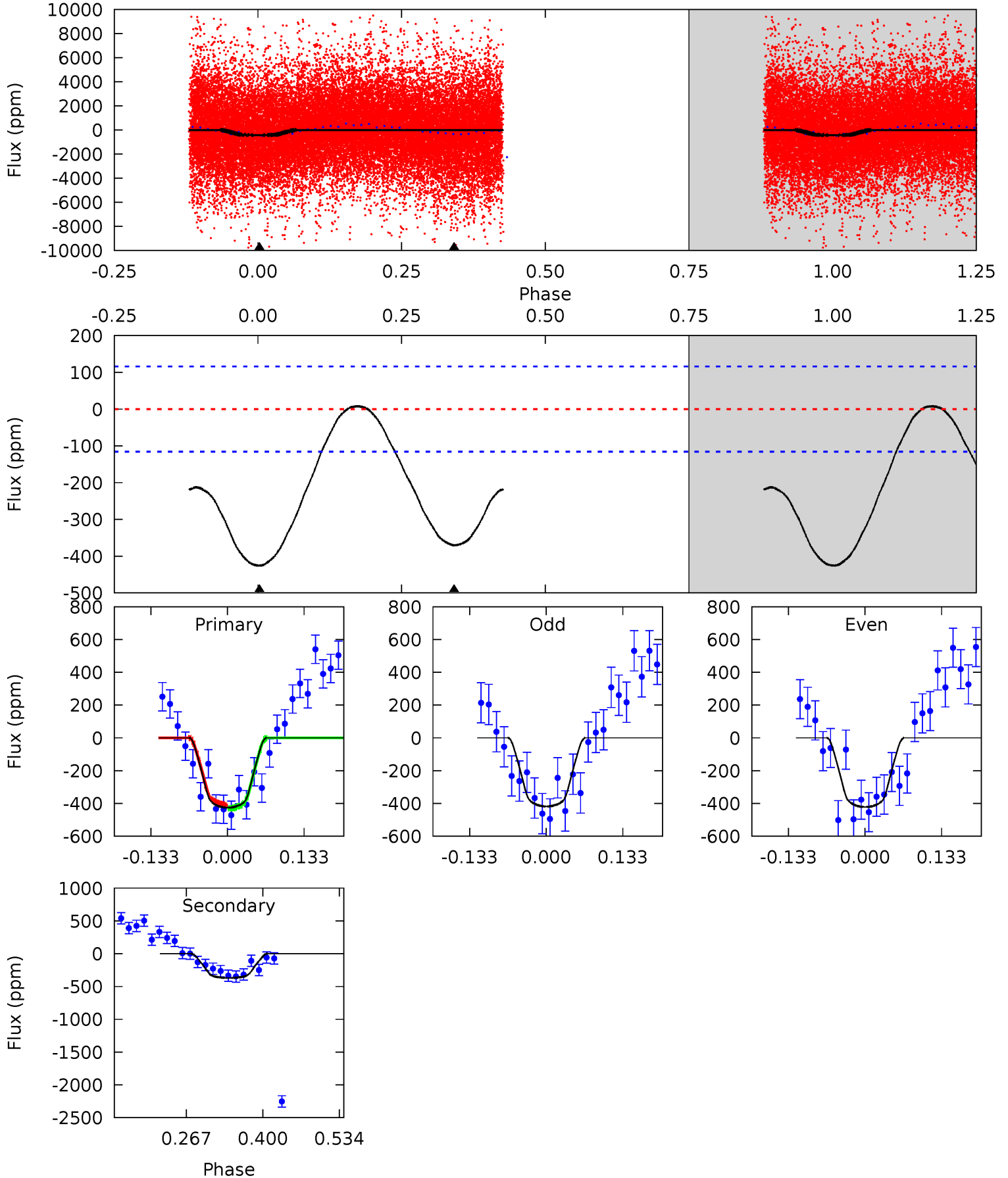
TCE 006762992-02 P= 0.694851 Days $T_0=131.846876$ (BKJD)



DV Model-Shift Uniqueness Test

006762992-02, P = 0.694833 Days, E = 131.150715 Days

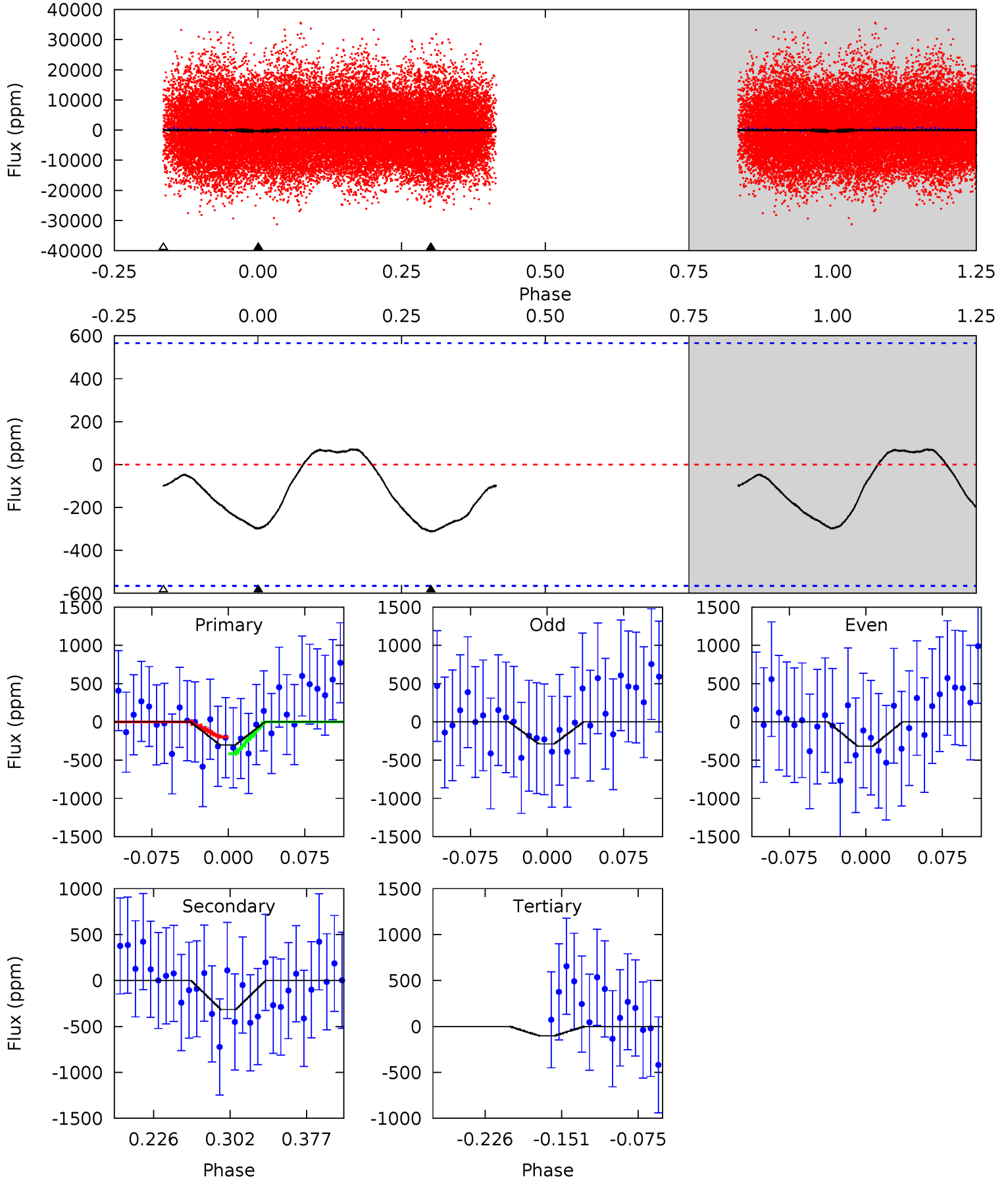
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
16.6	14.4	0	0	4.50	1.50	0.45	16.6	16.6	14.4	14.4	0.07	0.82	0.02	0.41



Alt Model-Shift Uniqueness Test

006762992-02, P = 0.694851 Days, E = 131.152025 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.47	2.58	0.83	0	4.62	1.78	0.65	1.64	2.47	1.74	2.58	0.12	0.41	0.19	0.88



Stellar Parameters For KIC 006762992

	$T_{\text{eff}} (K)$	$\log(g)$	$[\text{Fe}/\text{H}]$	$R (R_{\odot})$	$M (M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7666^{+212}_{-319}	$3.675^{+0.495}_{-0.082}$	$-0.220^{+0.200}_{-0.300}$	$3.404^{+0.420}_{-1.784}$	$1.998^{+0.177}_{-0.567}$	$0.071^{+0.382}_{-0.019}$
	+3%/-4%	+13%/-2%	+91%/-136%	+12%/-52%	+9%/-28%	+536%/-27%
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 006762992-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-371 ± 26	$6.60^{+3.66}_{-2.90}$	6048^{+435}_{-740}	7062^{+3178}_{-1698}	$1.736^{+3.718}_{-1.023}$
Alt.	-315 ± 122	$6.08^{+3.68}_{-3.01}$	6065^{+406}_{-730}	7064^{+4027}_{-2057}	$1.739^{+4.836}_{-1.152}$

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 $A_{obs} \gg 1.0$

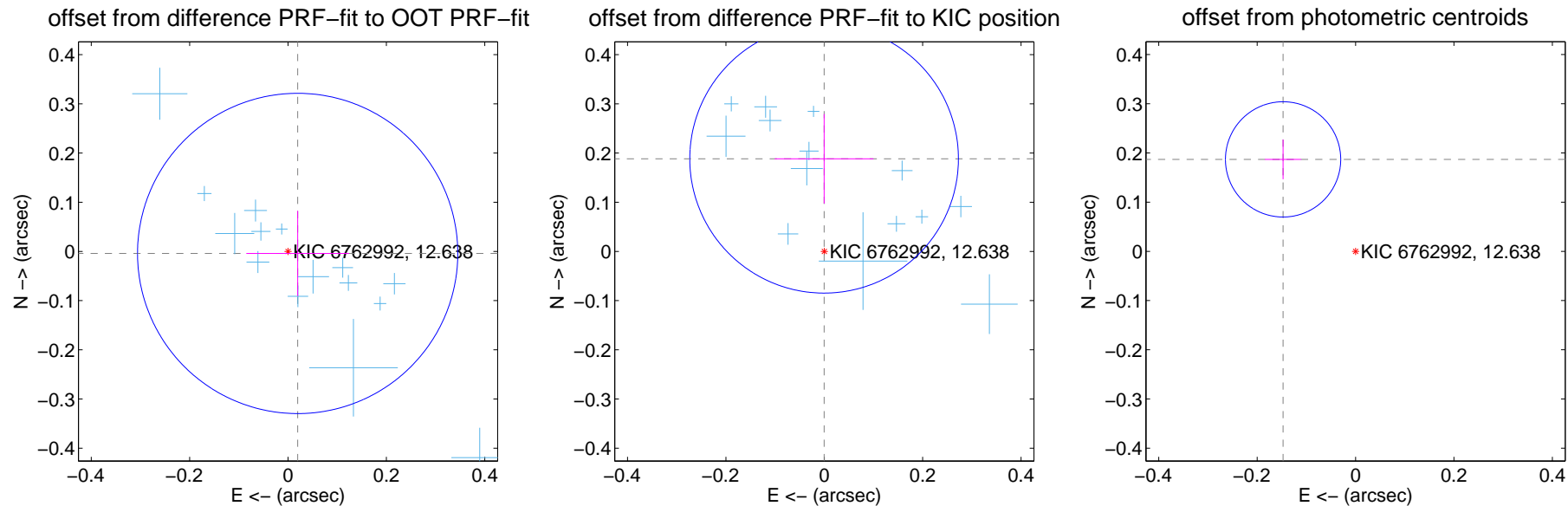
DV Centroid Data

Supplemental centroid analysis for 006762992-02. Kepler magnitude: 12.64. Transit SNR 9.21

There are 17 quarters with good PRF difference image offsets

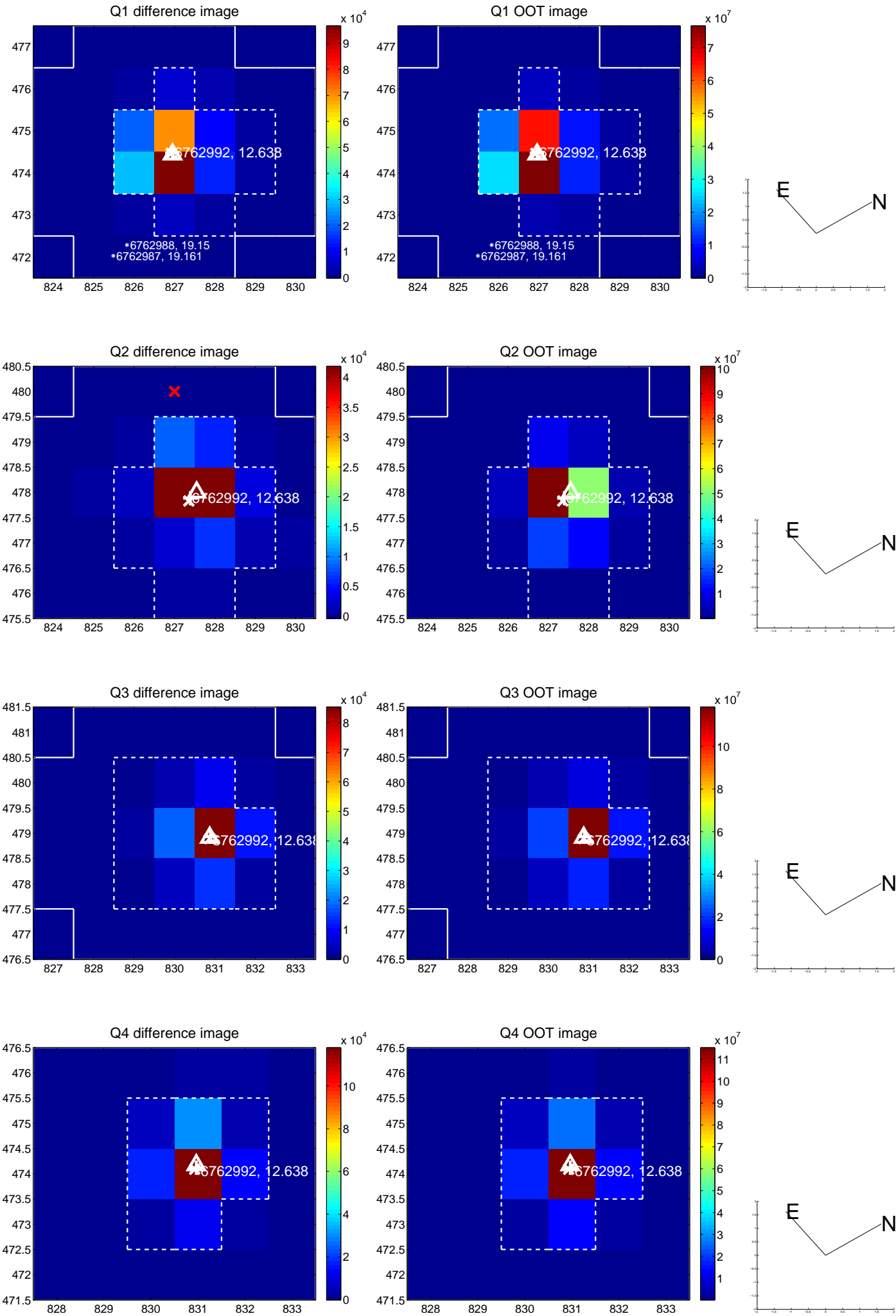
The direct PRF centroid is offset from the target star catalog position by about 0.26 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.020 ± 0.109	0.18	-0.020 ± 0.104	-0.004 ± 0.087
PRF-fit source offset from KIC position	0.188 ± 0.091	2.07	0.000 ± 0.100	0.188 ± 0.091
photometric centroid source offset	0.24 ± 0.04	6.10	0.15 ± 0.04	0.19 ± 0.04

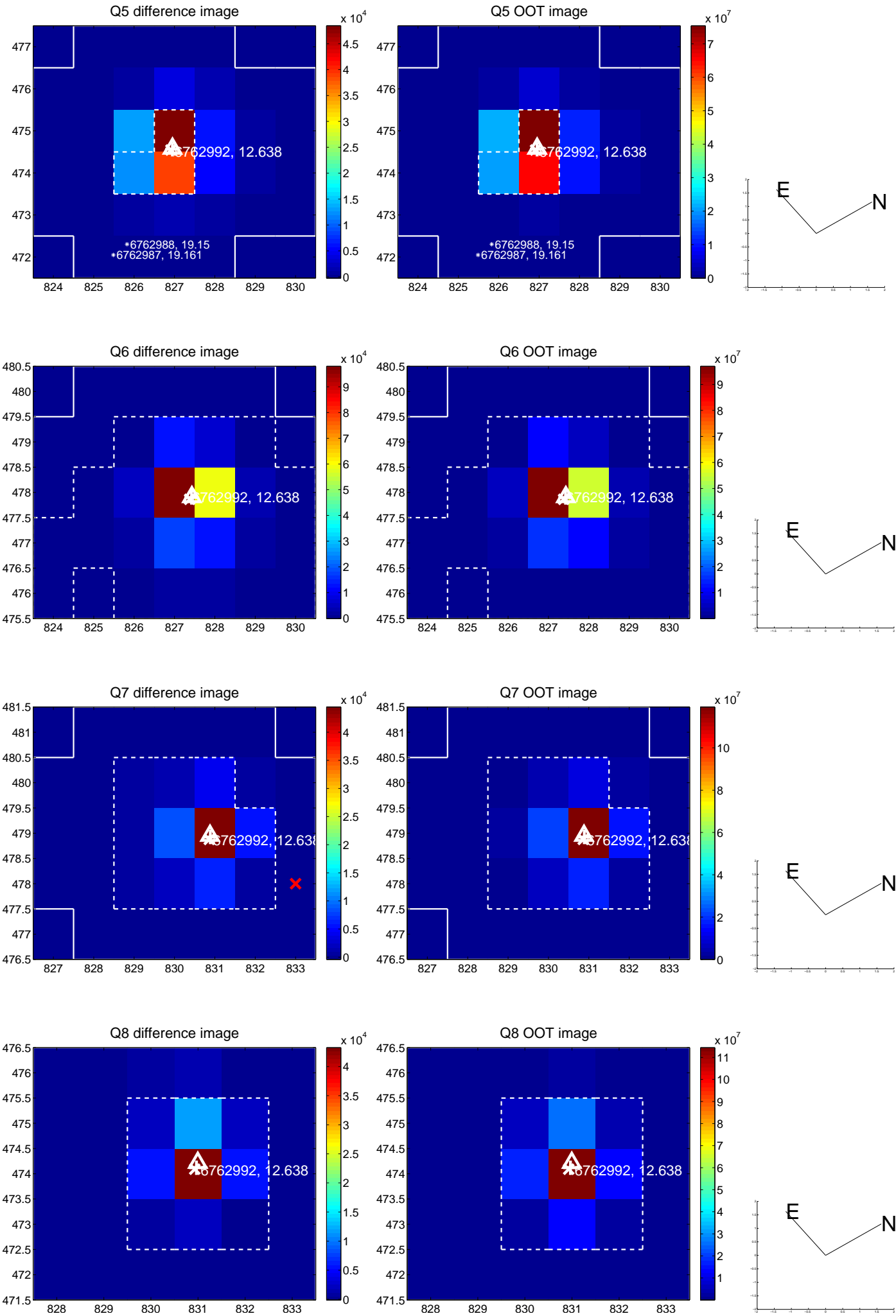


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

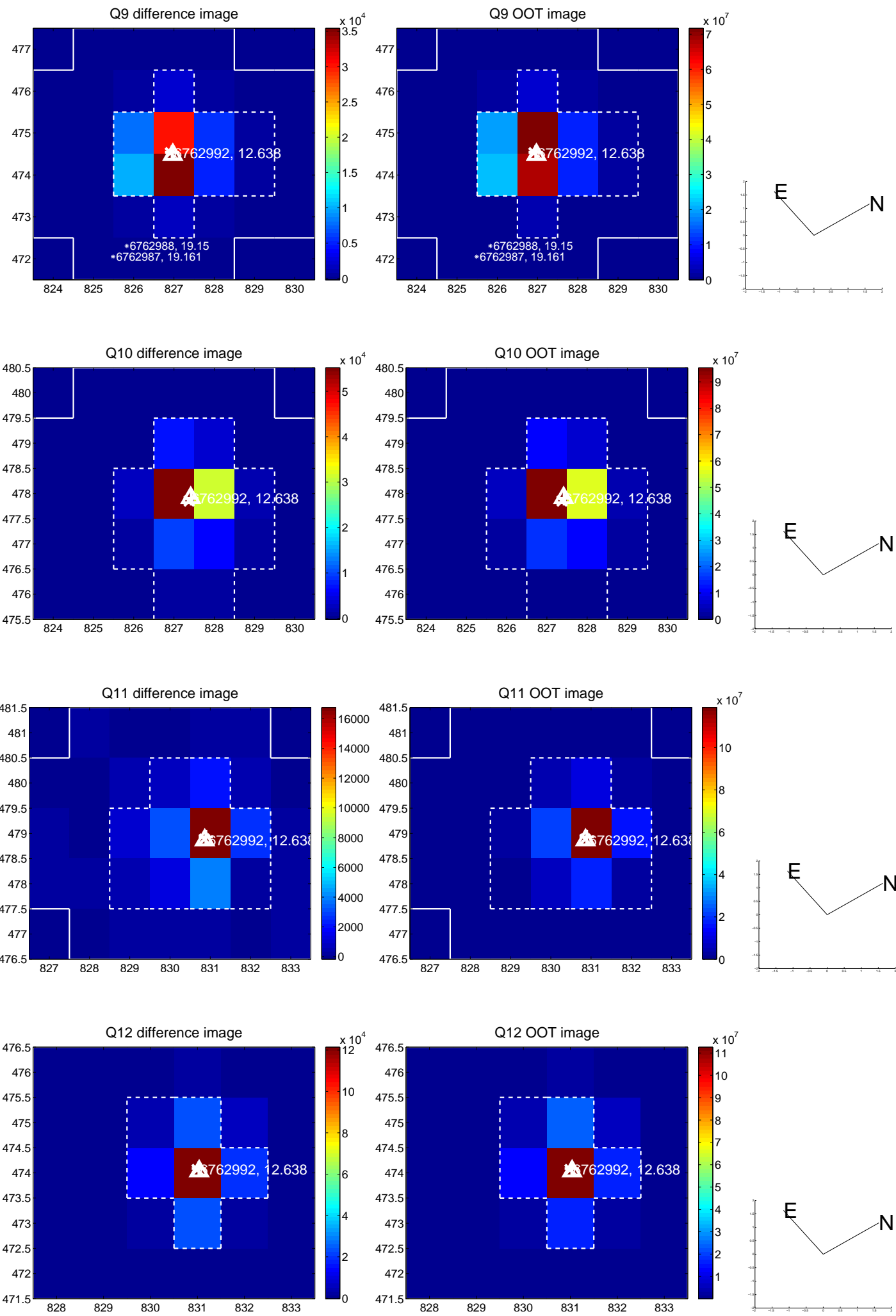
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



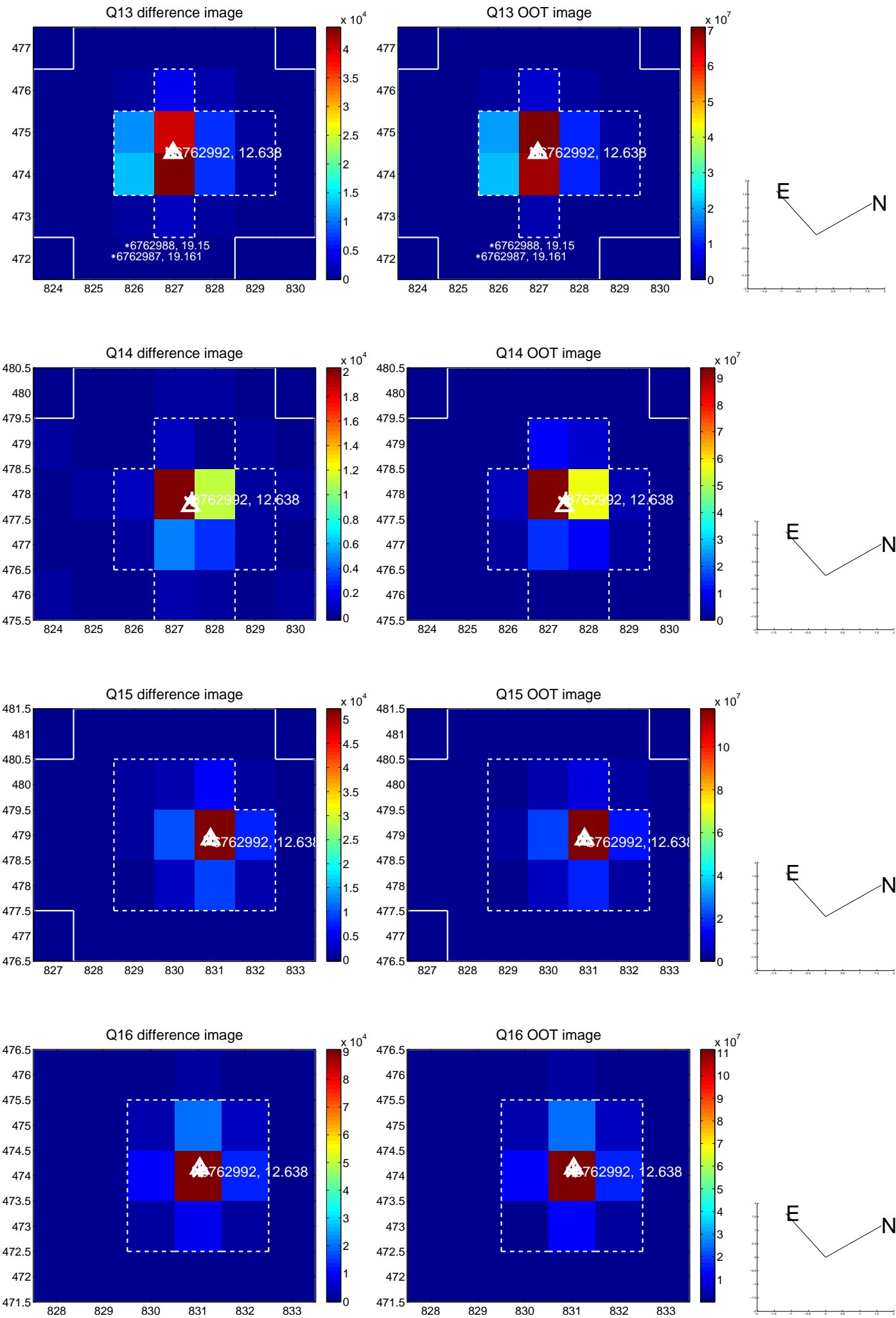
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



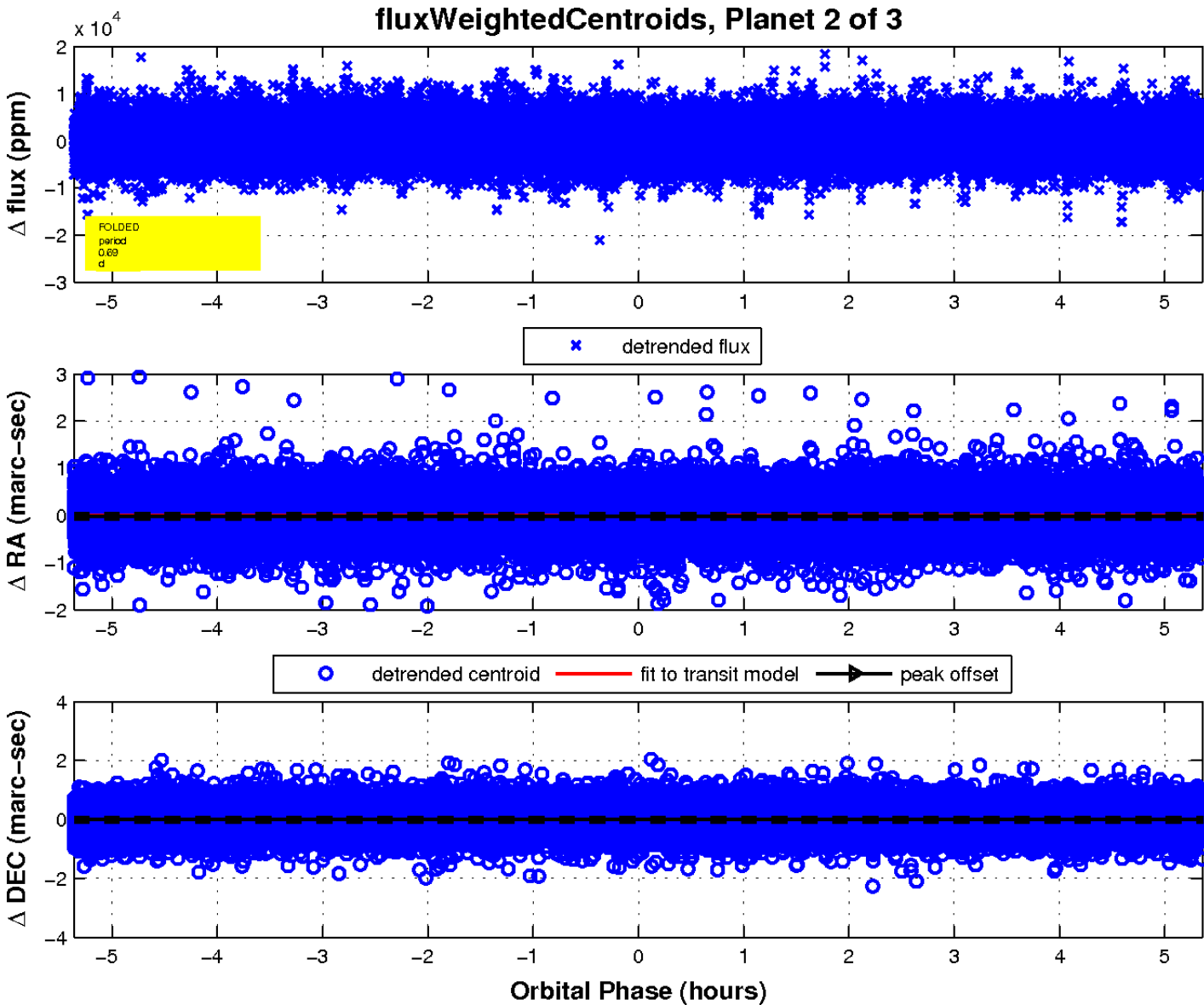
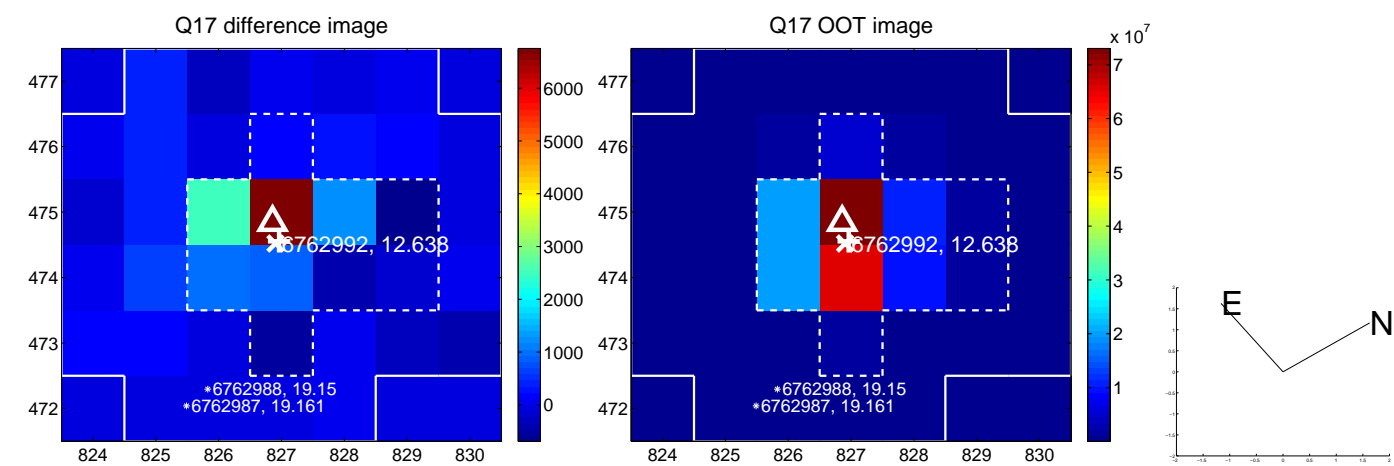
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

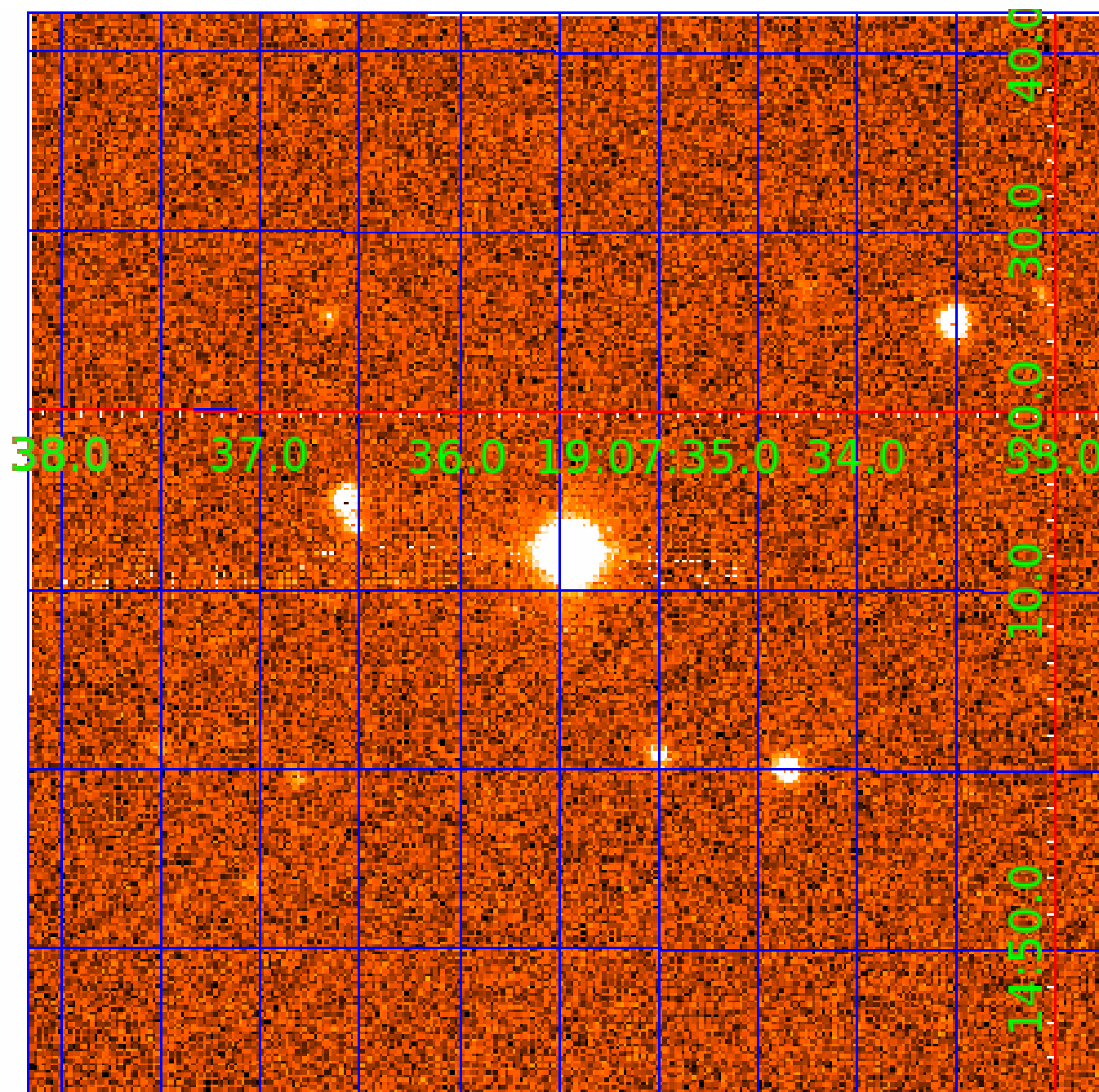


white \times : KIC target position; $+$: OOT centroid; Δ : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006762992

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})
006762992-01	OBS	No	0.694836	131.601737	450.3	2.391	16.5	12.5	3.40	7666	8.49	95789.93
006762992-02	OBS	No	0.694833	131.845548	374.5	1.787	11.9	9.2	3.40	7666	7.75	95790.35
006762992-03	OBS	No	1.415658	132.669331	1310.1	6.442	8.5	12.7	3.40	7666	18.78	37086.69

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006762992-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
006762992-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
006762992-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT

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

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

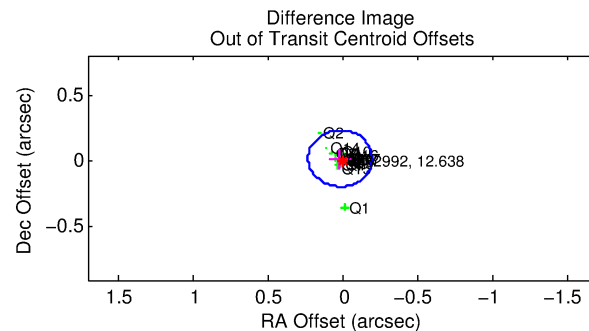
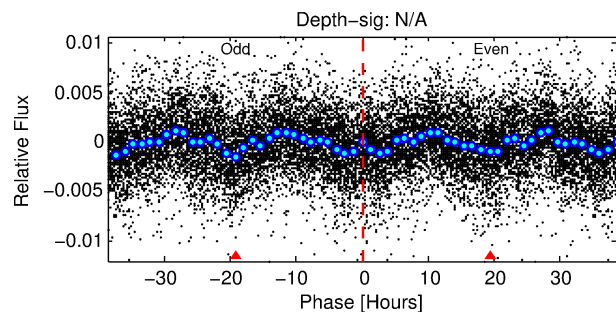
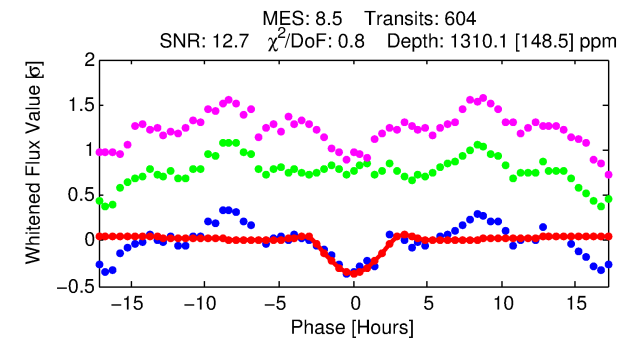
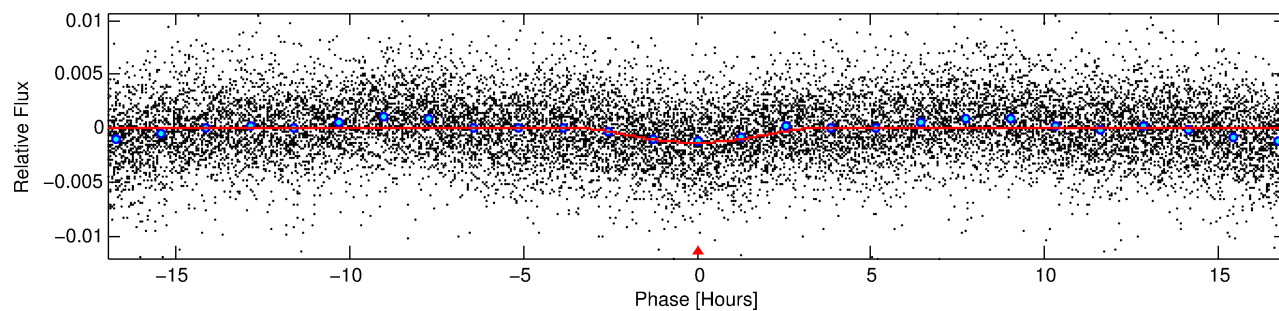
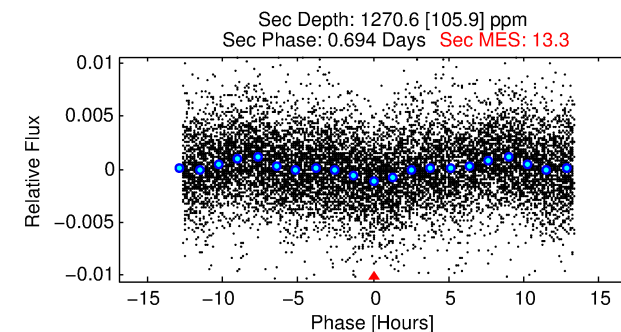
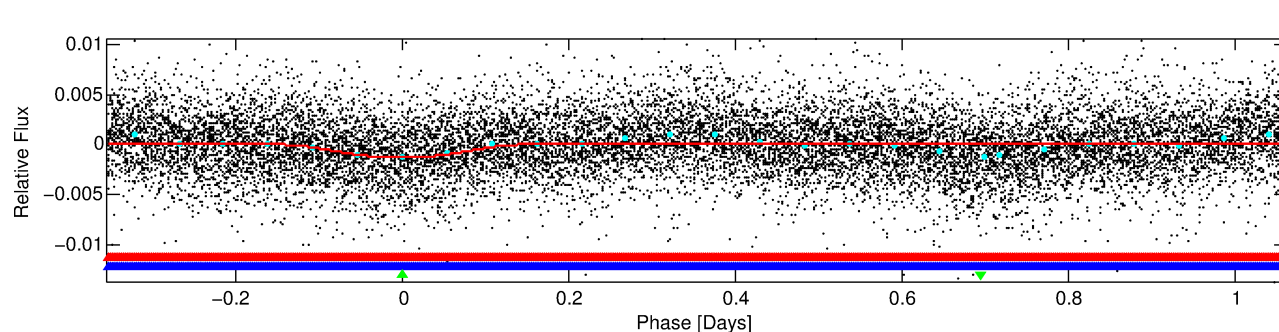
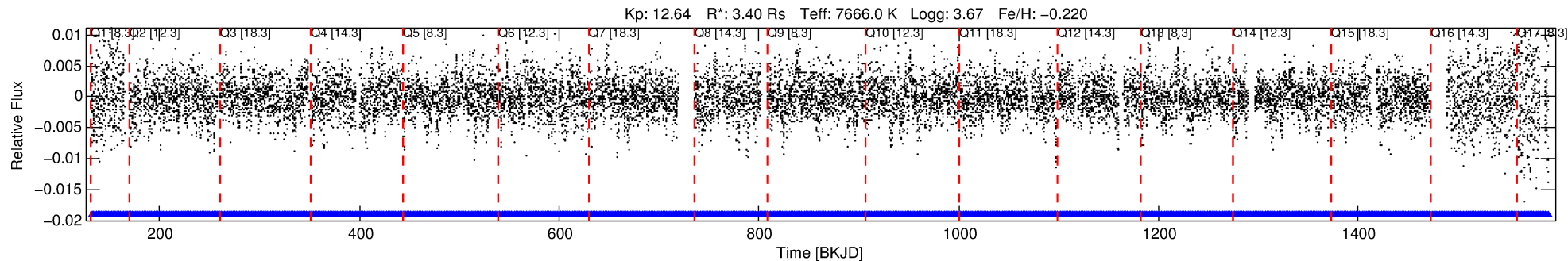
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006762992-03

No Significant Match Found

DV One-Page Summary

KIC: 6762992 Candidate: 3 of 3 Period: 1.416 d



DV Fit Results:

Period = 1.41566 [0.00002] d
Epoch = 132.6693 [0.0071] BKJD
Rp/R* = 0.0505 [0.0411]
a/R* = 1.19 [0.05]
b = 0.98 [0.08]
Seff = 37086.69 [31625.13]
Teq = 3539 [754] K
Rp = 18.78 [18.17] Re
a = 0.0311 [0.0160] AU
Ag = 1.92 [3.51] [0.26σ]
Teffp = 6437 [2636] K [1.06σ]

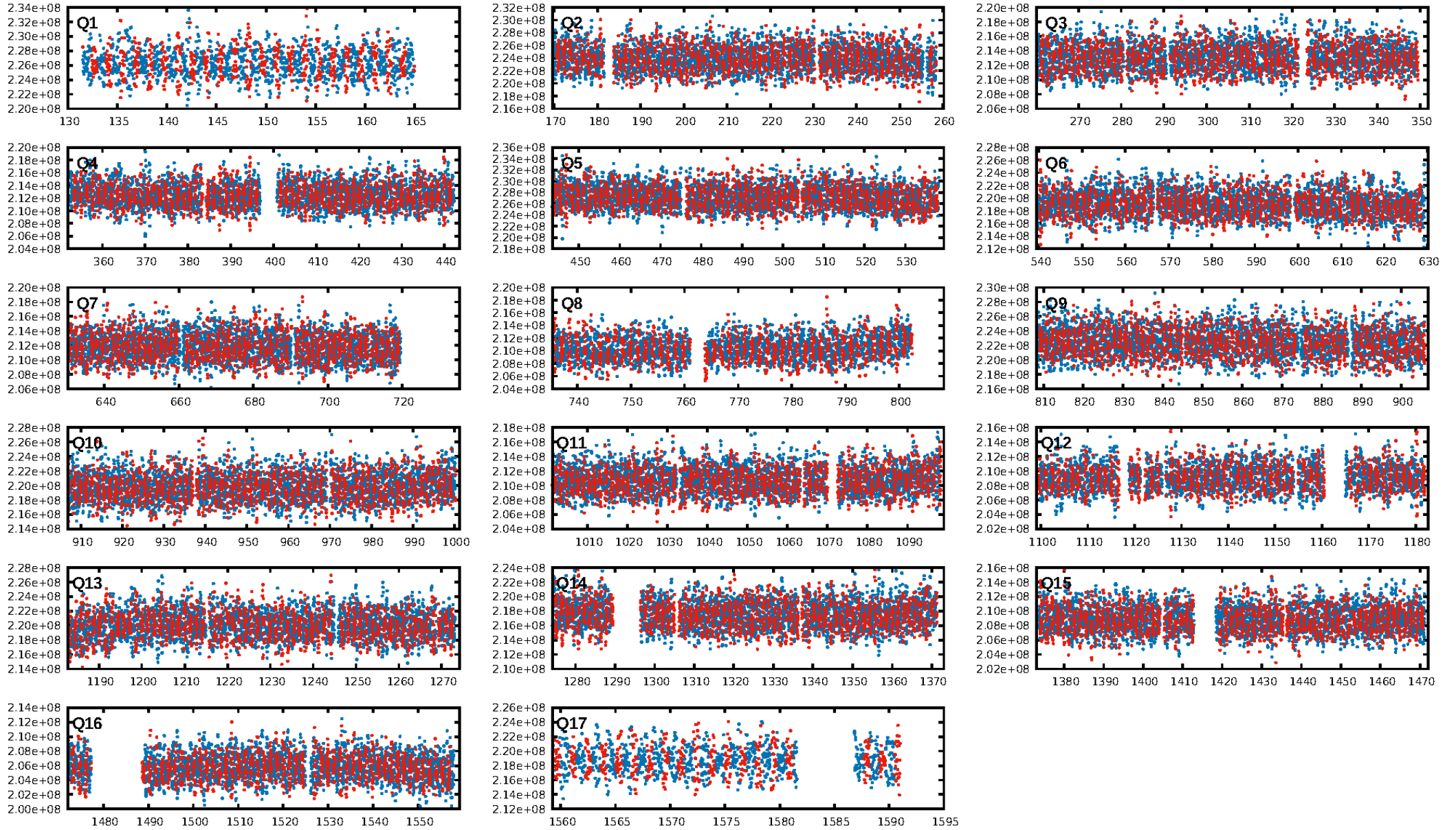
DV Diagnostic Results:

ShortPeriod-sig: 98.8% [2.52σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [578/578]
GhostDiagnostic-chr: 1.344
Centroid-sig: 0.1%
Centroid-so: 0.211 arcsec [18.44σ]
OotOffset-rm: 0.024 arcsec [0.33σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-rm: 0.197 arcsec [2.59σ]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 0.00 [0/17]

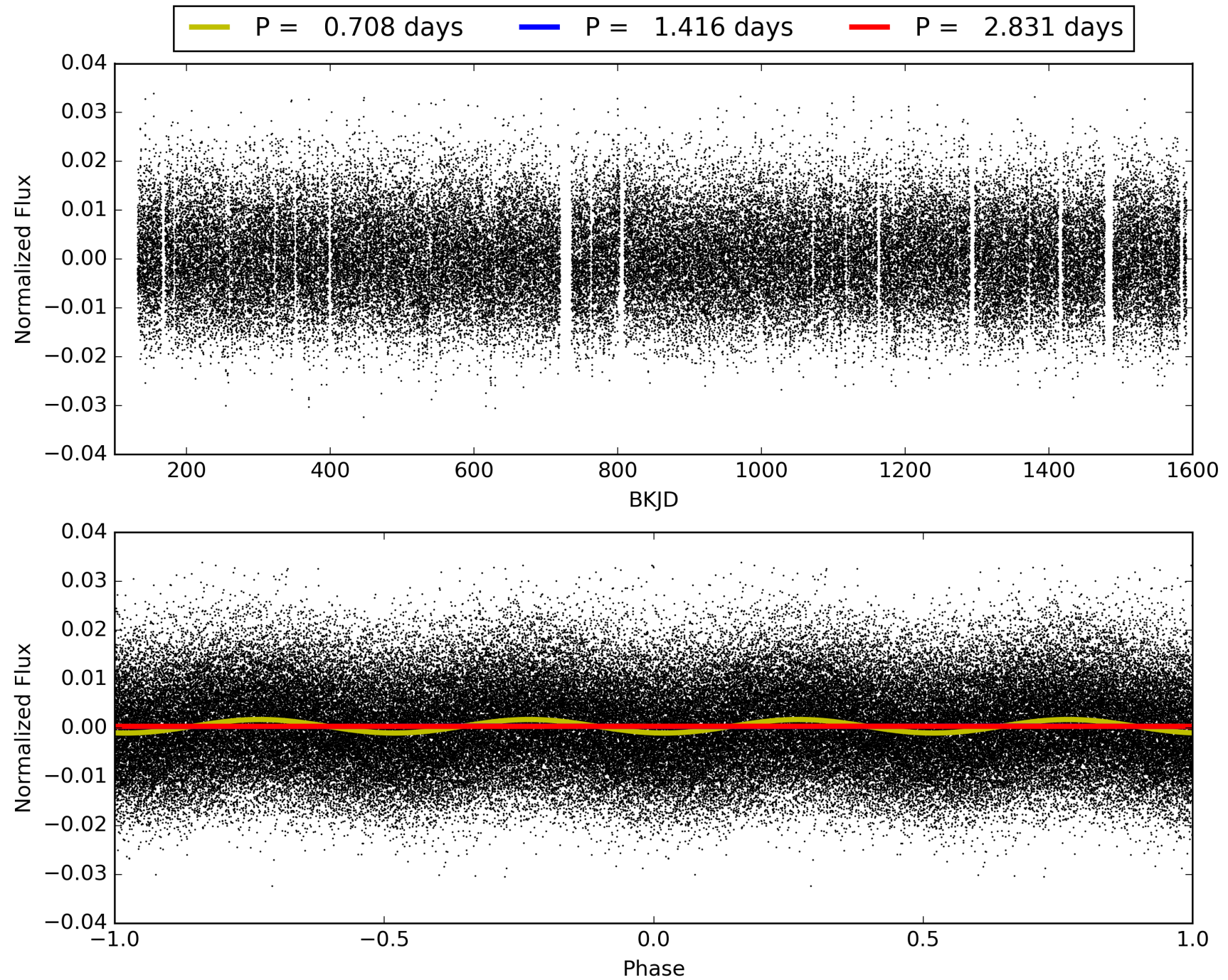
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 01:20:34 Z

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

TCE 006762992-03, PDC Light Curves

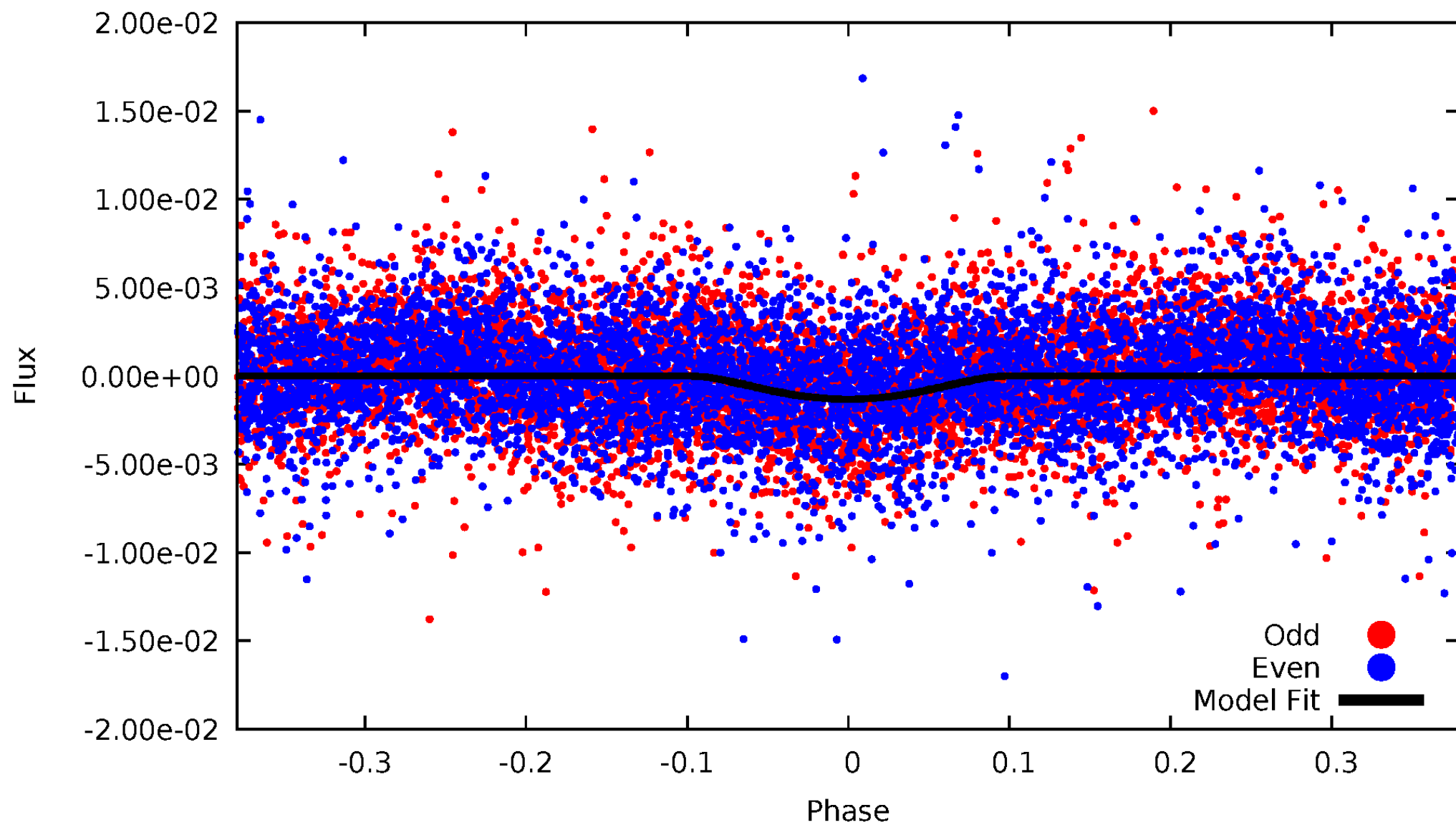


TCE 006762992-03



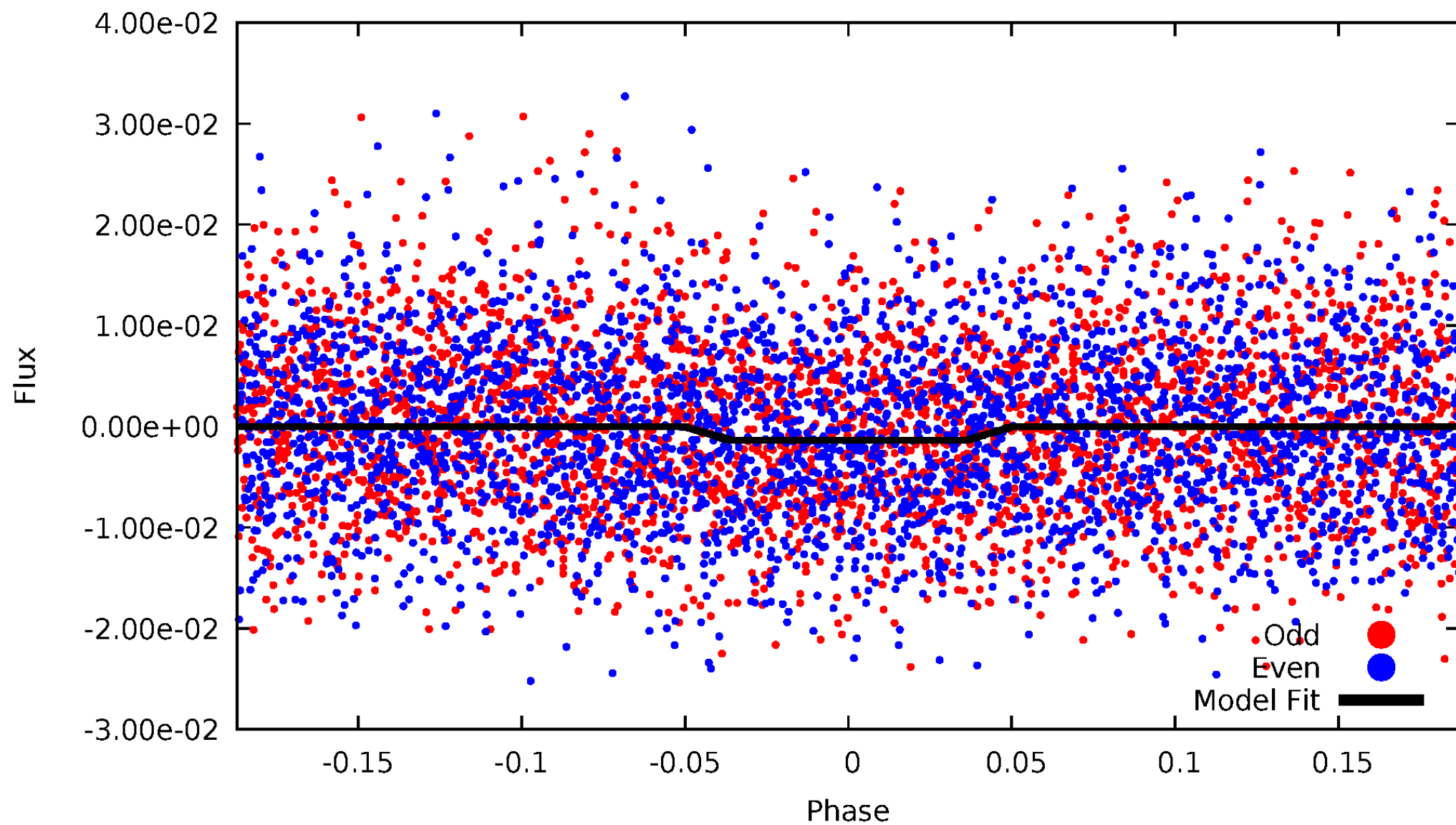
DV Odd/Even

TCE 006762992-03



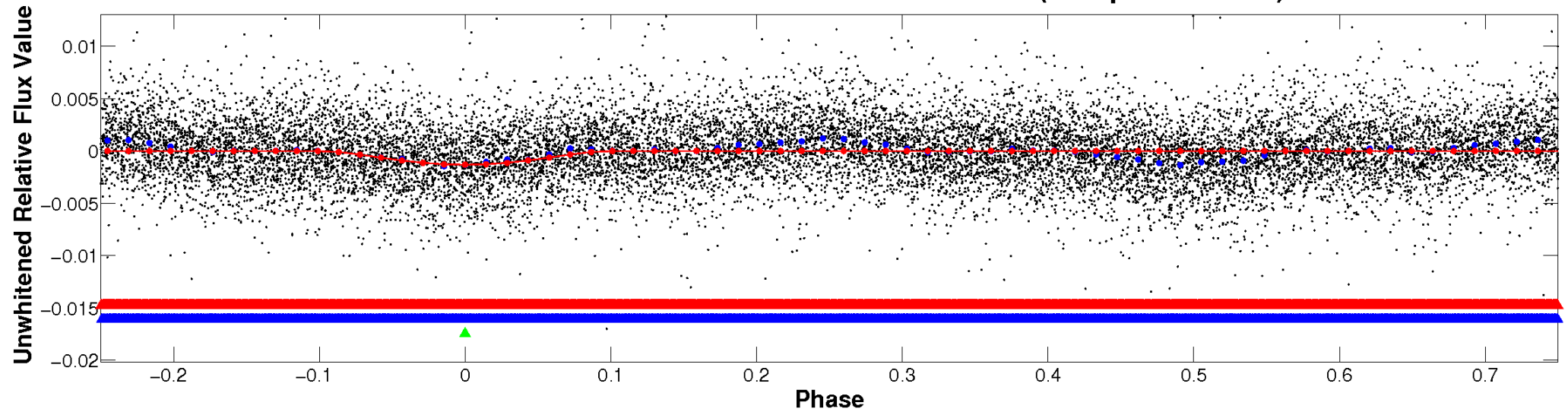
ALT Odd/Even

TCE 006762992-03

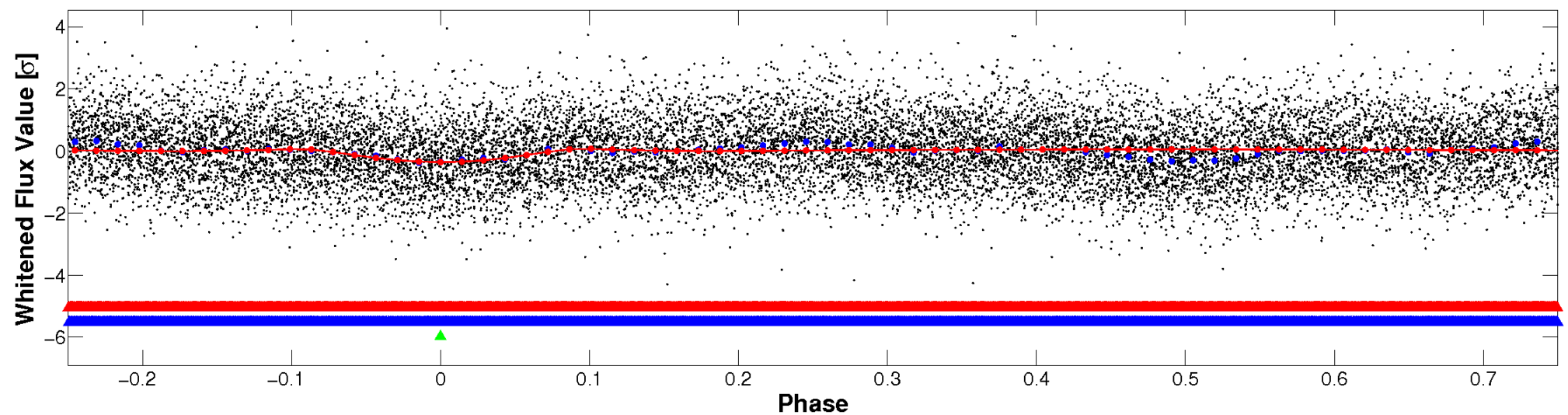


Non-Whitened Vs. Whitened Light Curve

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

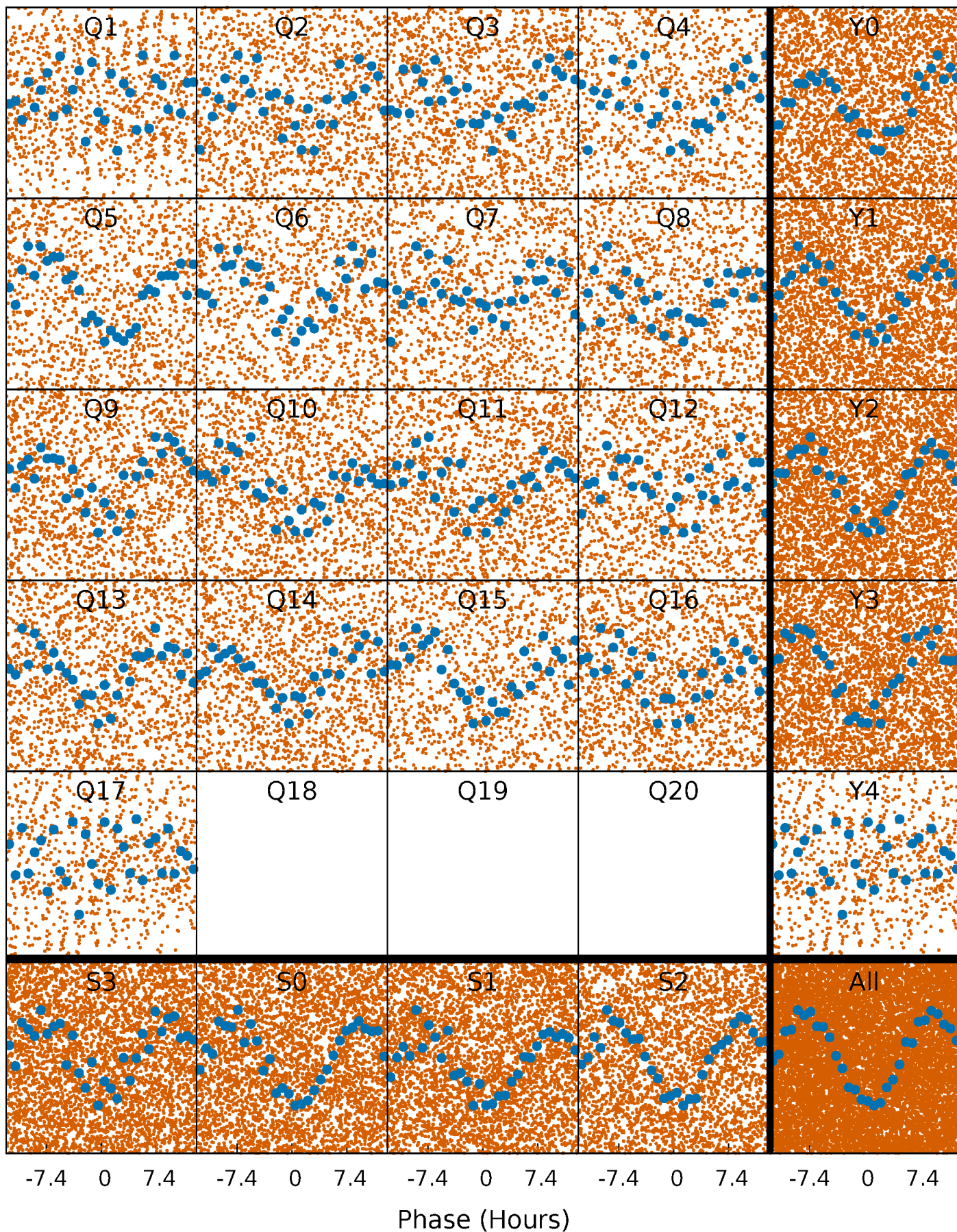


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



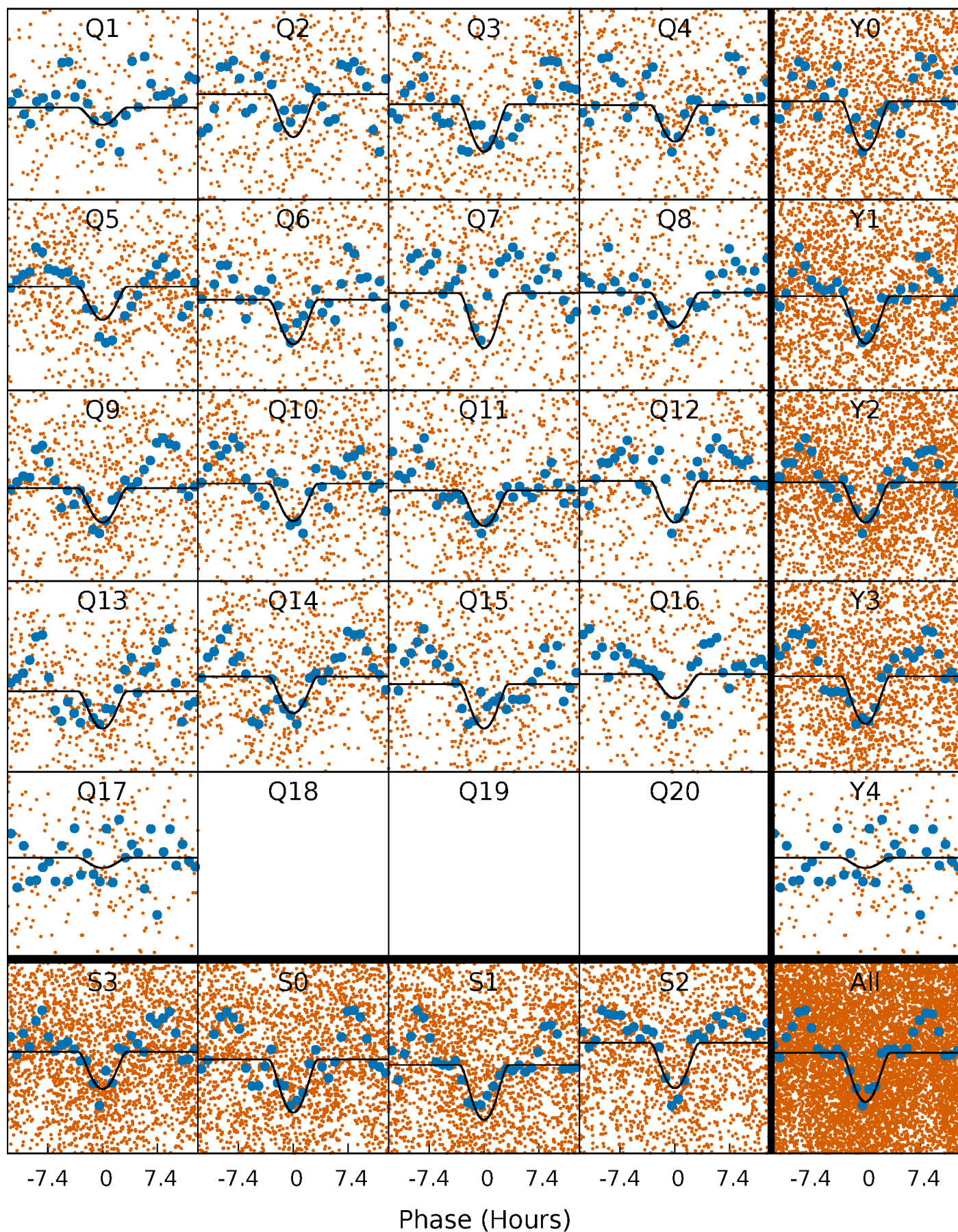
PDC Quarter-Phased Transit Curves

TCE 006762992-03 P= 1.415658 Days $T_0=132.669331$ (BKJD)



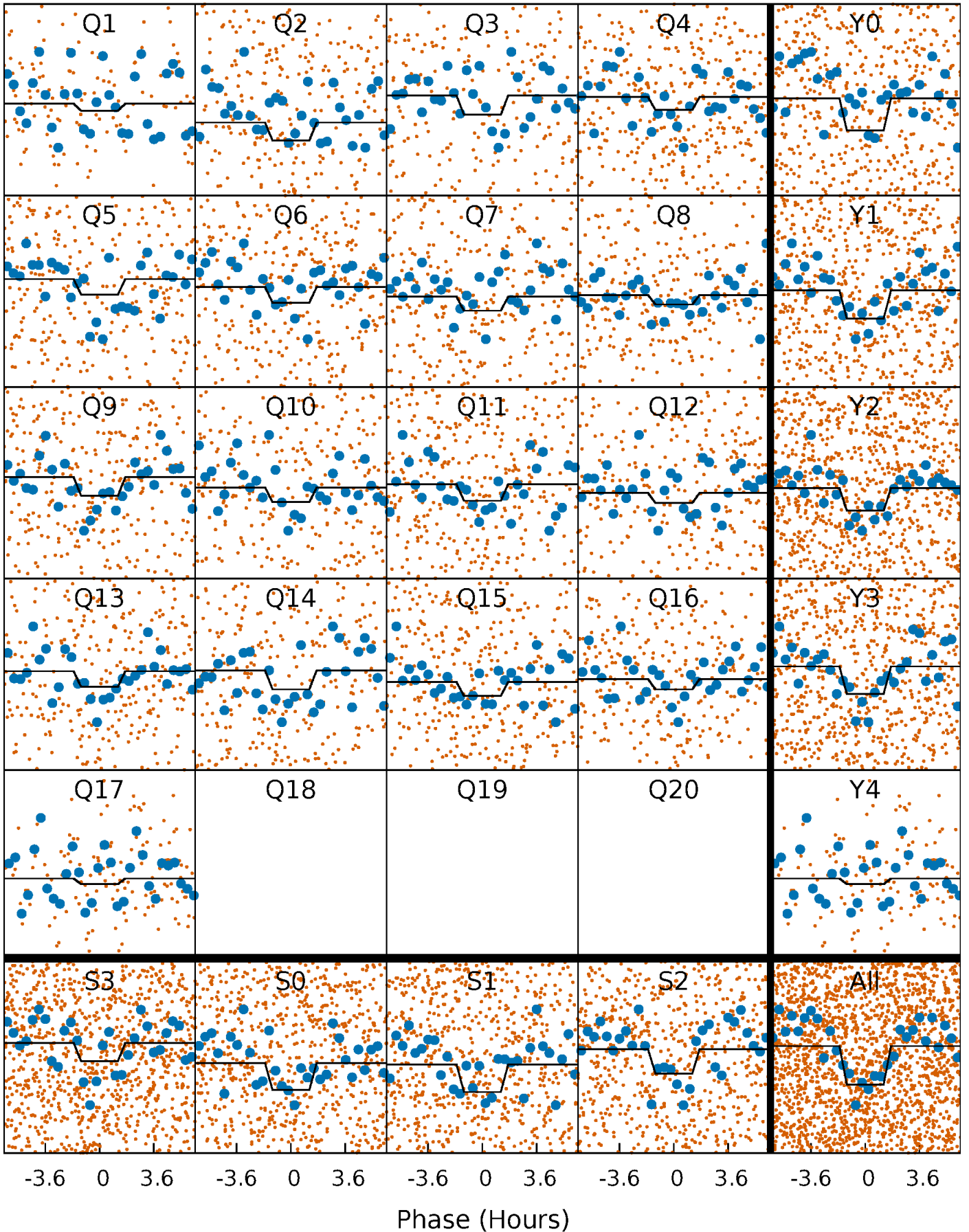
DV Quarter-Phased Transit Curves

TCE 006762992-03 P= 1.415658 Days $T_0=132.669331$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

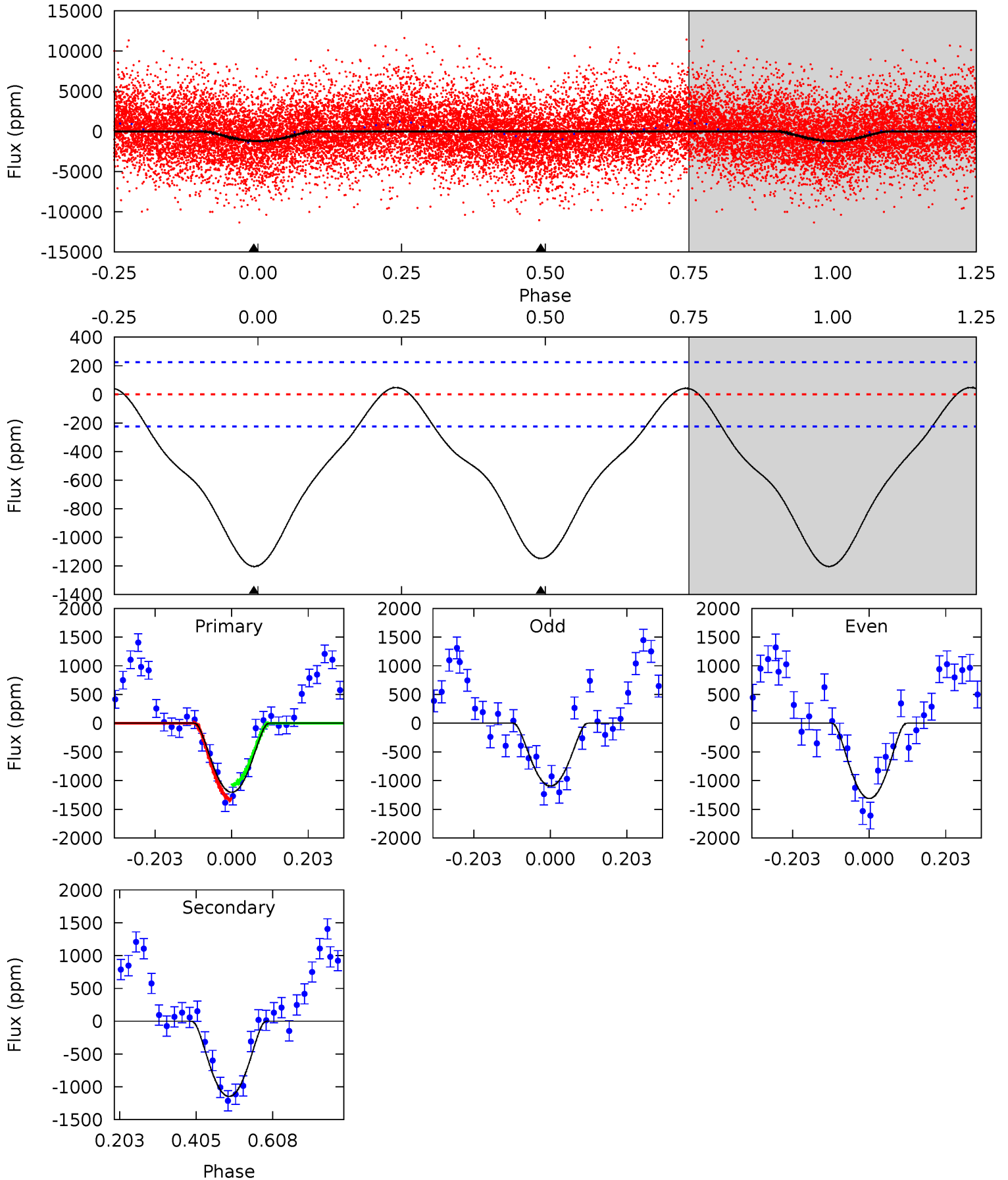
TCE 006762992-03 P= 1.415627 Days $T_0=132.701117$ (BKJD)



DV Model-Shift Uniqueness Test

006762992-03, P = 1.415658 Days, E = 131.253673 Days

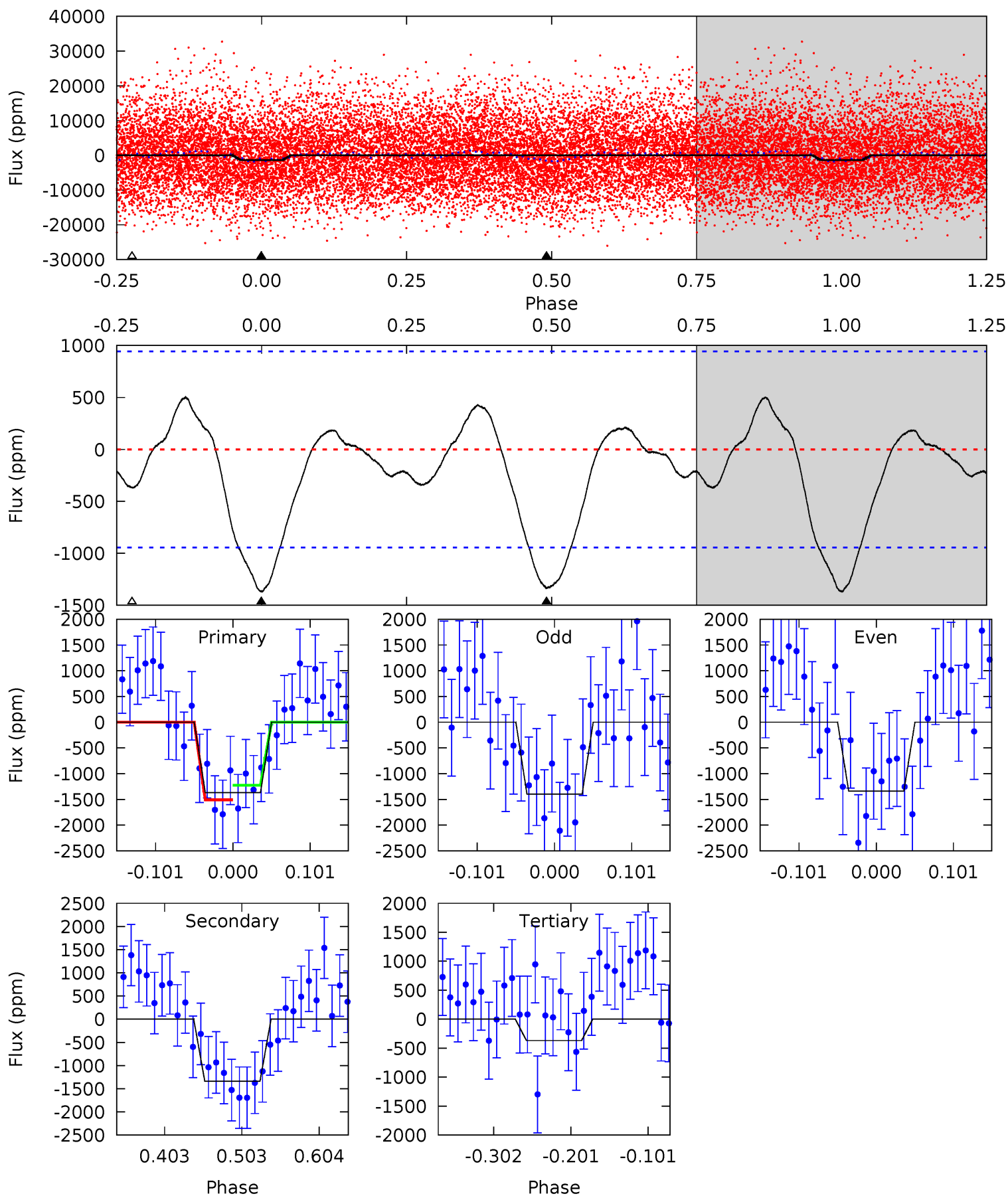
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
23.7	22.6	0	0	4.41	1.27	0.97	23.7	23.7	22.6	22.6	2.17	1.10	0.04	2.49



Alt Model-Shift Uniqueness Test

006762992-03, P = 1.415627 Days, E = 131.285490 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.62	6.47	1.78	0	4.56	1.64	1.14	4.84	6.62	4.69	6.47	0.14	1.15	0.27	0.68



Stellar Parameters For KIC 006762992

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7666^{+212}_{-319}	$3.675^{+0.495}_{-0.082}$	$-0.220^{+0.200}_{-0.300}$	$3.404^{+0.420}_{-1.784}$	$1.998^{+0.177}_{-0.567}$	$0.071^{+0.382}_{-0.019}$
	+3%/-4%	+13%/-2%	+91%/-136%	+12%/-52%	+9%/-28%	+536%/-27%
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 006762992-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-1147 ± 51	$17.50^{+13.26}_{-10.64}$	4796^{+327}_{-633}	5727^{+4444}_{-1622}	$1.977^{+10.760}_{-1.327}$
Alt.	-1338 ± 207	$15.03^{+14.25}_{-10.23}$	4761^{+343}_{-620}	6377^{+7690}_{-1828}	$3.091^{+25.801}_{-2.278}$

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 $A_{obs} \gg 1.0$

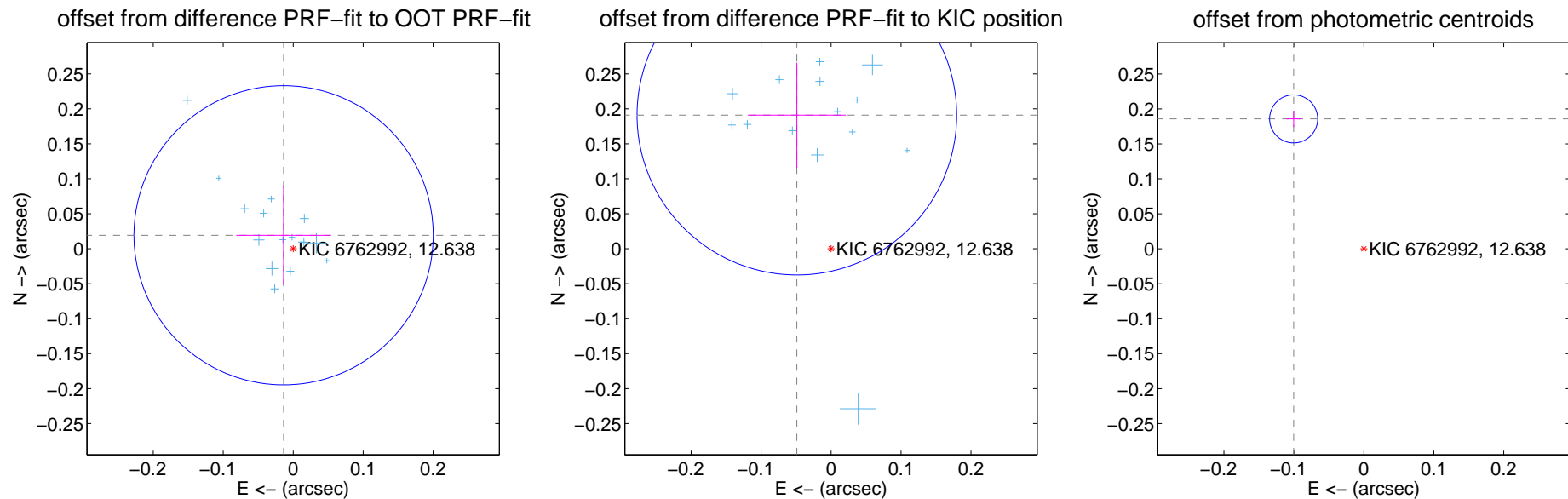
DV Centroid Data

Supplemental centroid analysis for 006762992-03. Kepler magnitude: 12.64. Transit SNR 12.66

There are 17 quarters with good PRF difference image offsets

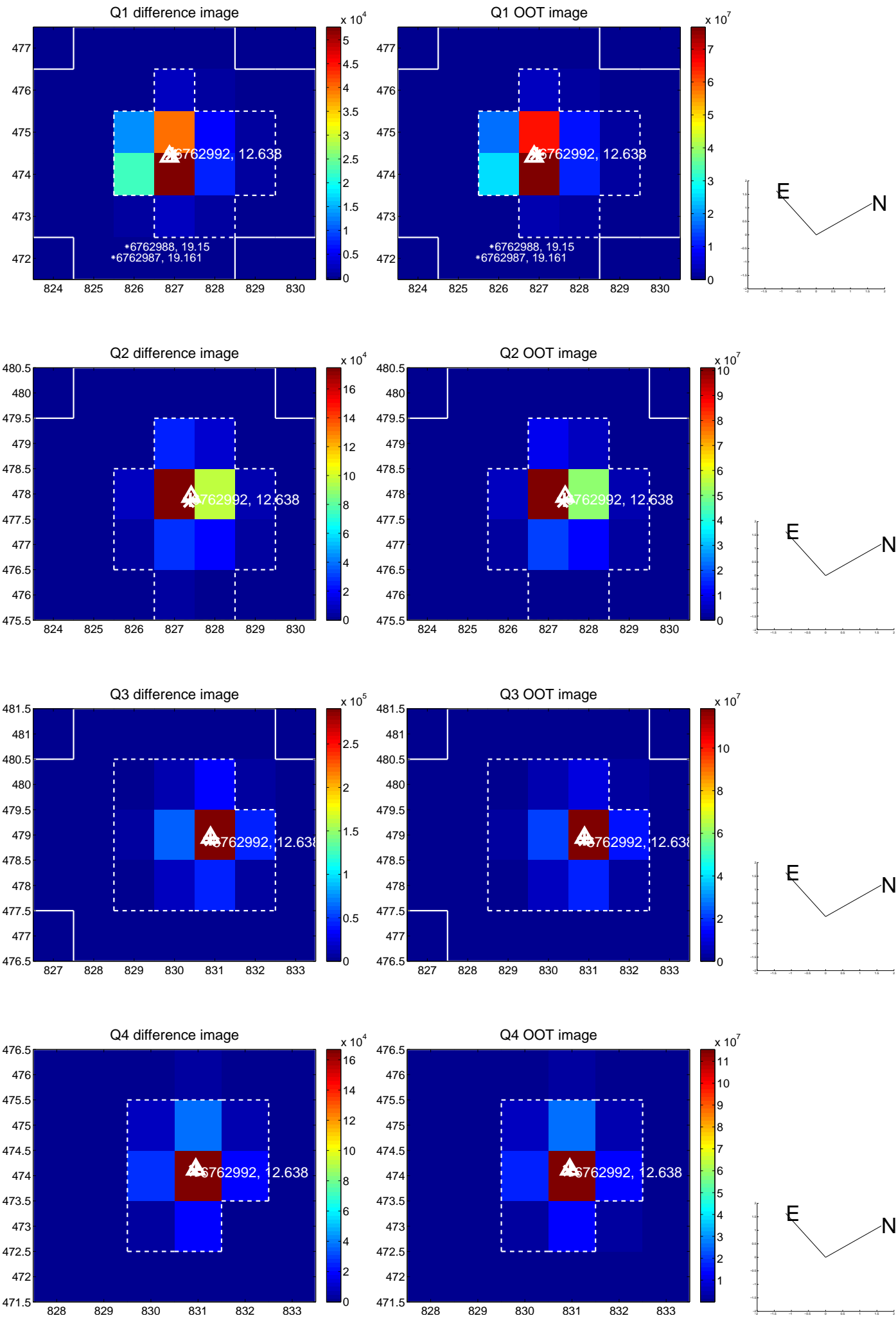
The direct PRF centroid is offset from the target star catalog position by about 0.26 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.024 ± 0.071	0.33	0.014 ± 0.068	0.019 ± 0.071
PRF-fit source offset from KIC position	0.197 ± 0.076	2.59	0.049 ± 0.070	0.191 ± 0.075
photometric centroid source offset	0.21 ± 0.01	18.44	0.10 ± 0.01	0.19 ± 0.01

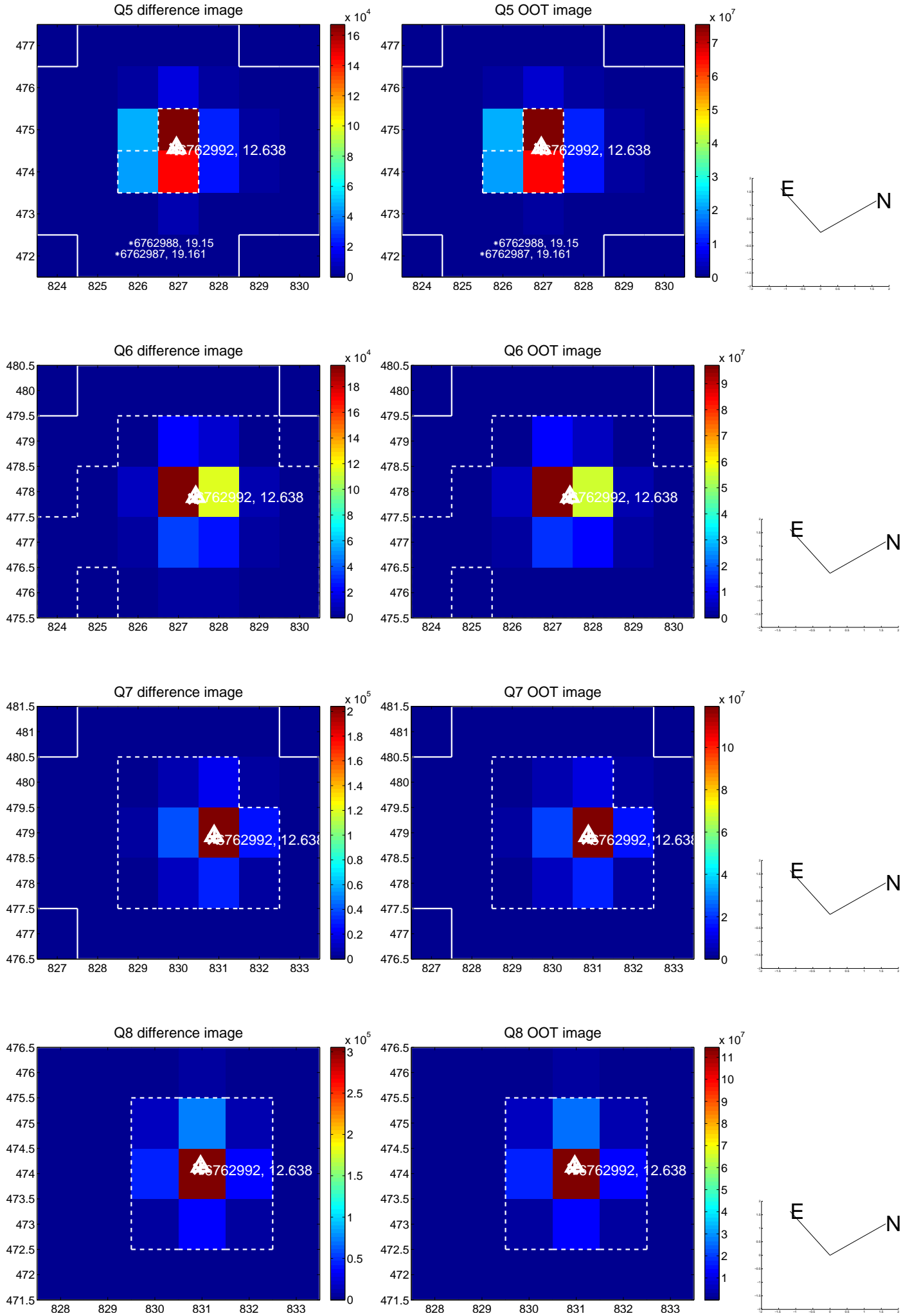


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets**; **Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ . Red *: target star. Blue *: Other stars. Text next to a star gives its KIC ID and kepmag. KIC IDs > 15,000,000 are from the UKIRT catalog.

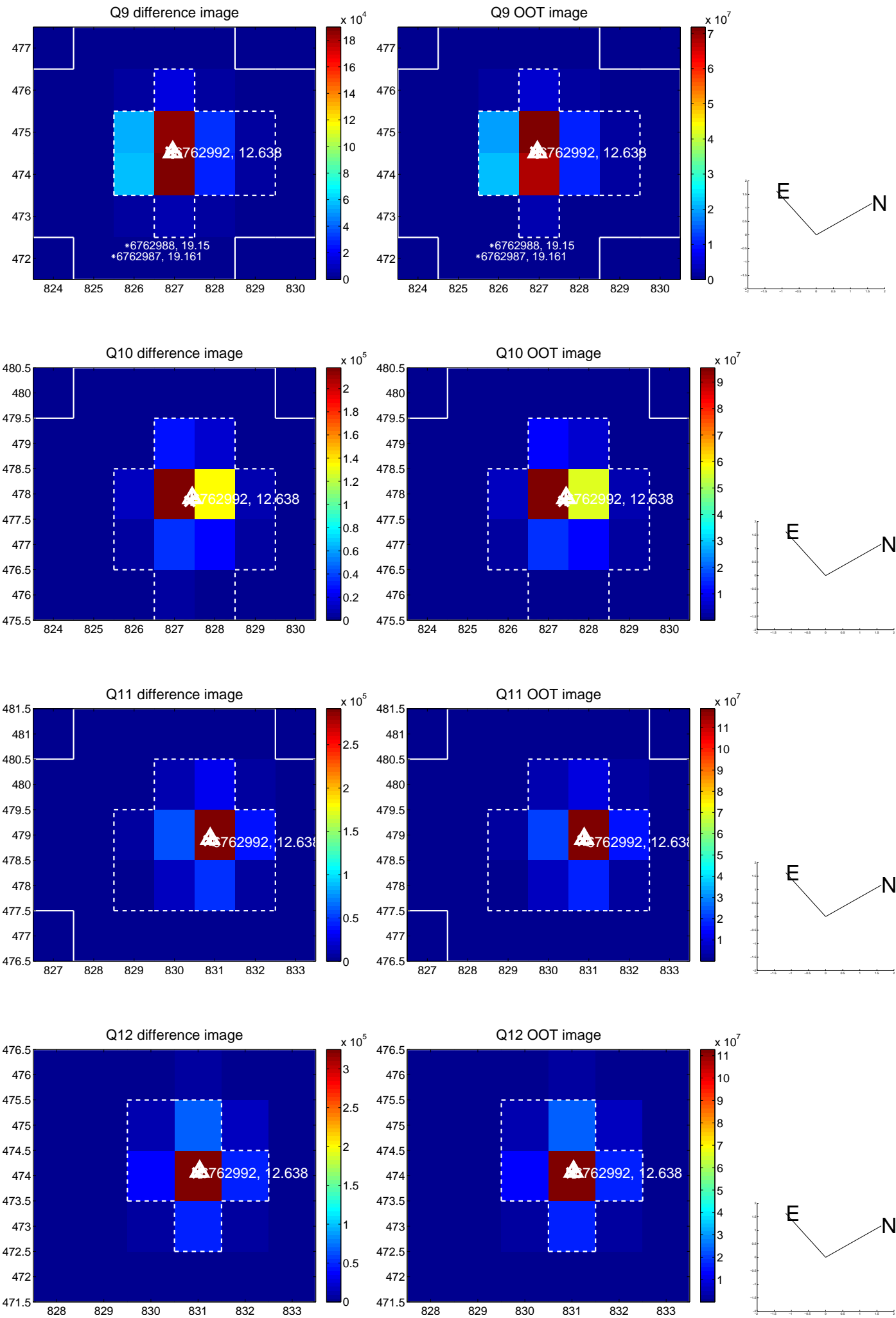
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



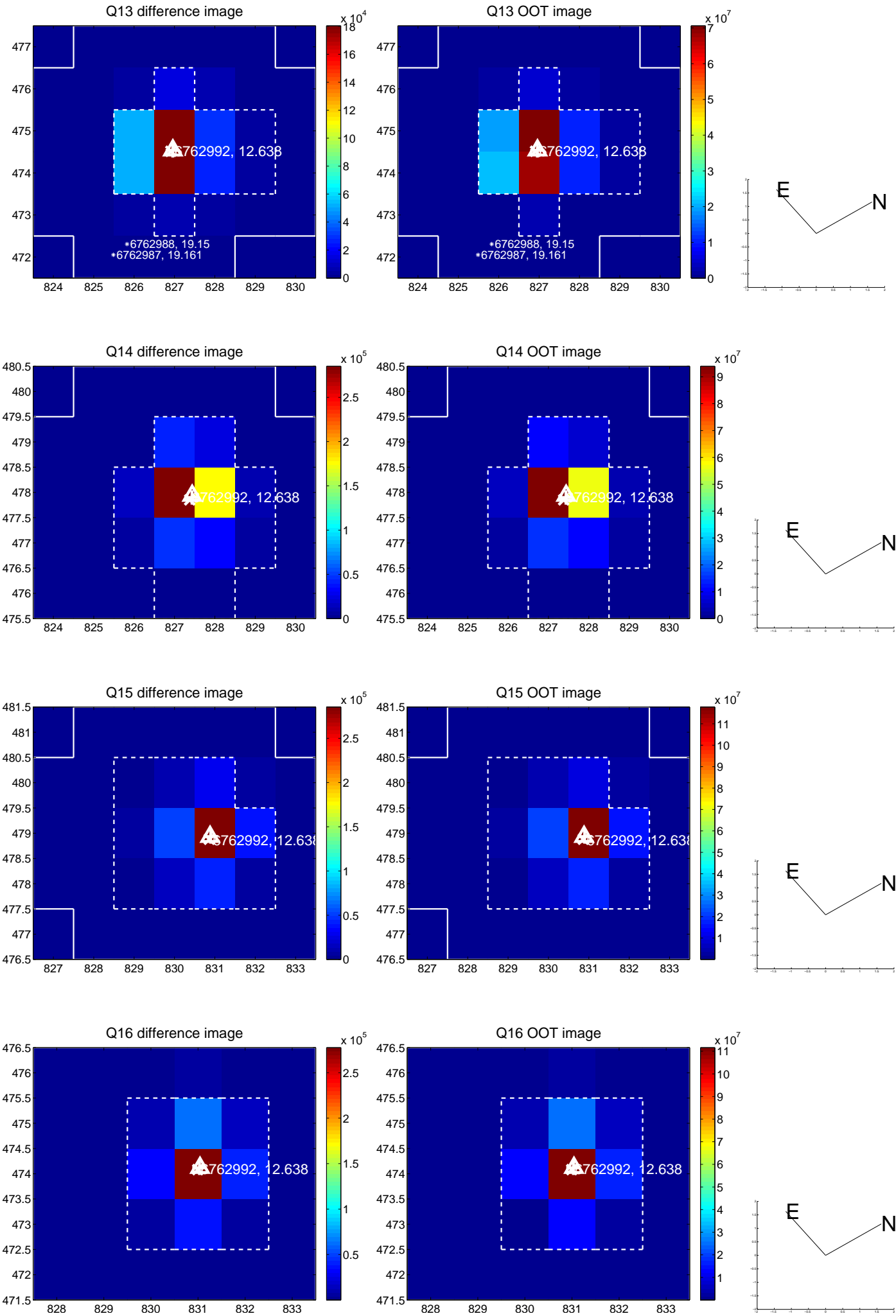
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



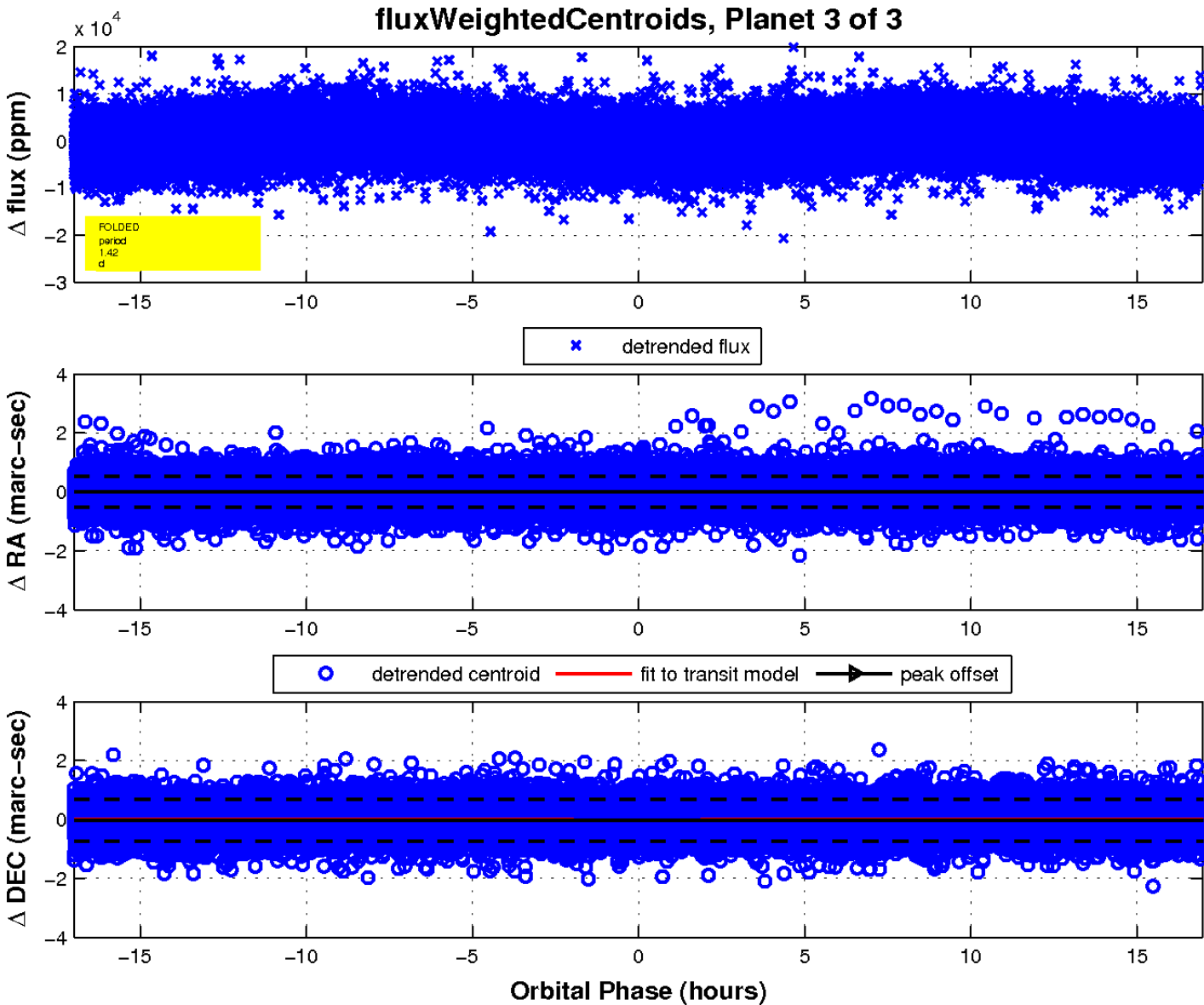
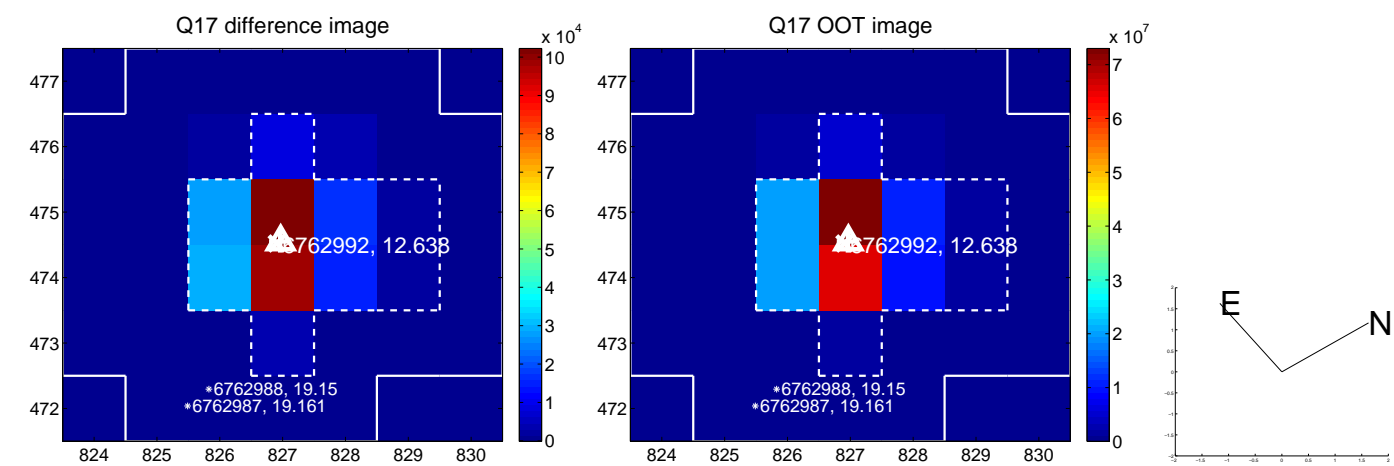
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



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



UKIRT Image

Declination

