

KIC 007269623

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})
007269623-01	OBS	No	0.535934	131.876720	43.8	1.933	9.8	10.4	4.26	7149	3.28	0.00
007269623-02	OBS	No	0.535917	131.539638	86.4	1.483	14.3	12.8	4.26	7149	4.02	0.00
007269623-03	OBS	No	0.535930	131.697623	148.4	1.768	16.5	18.7	4.26	7149	5.36	0.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007269623-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—CENT_SATURATED
007269623-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_SATURATED
007269623-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD—CENT_SATURATED

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

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

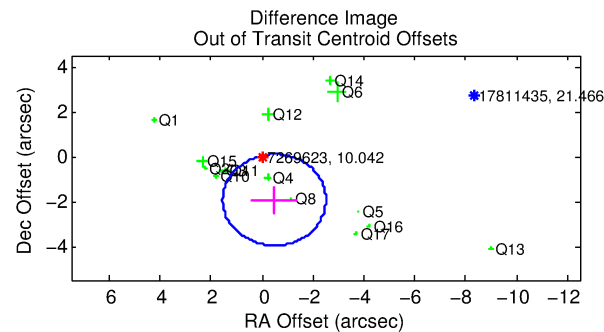
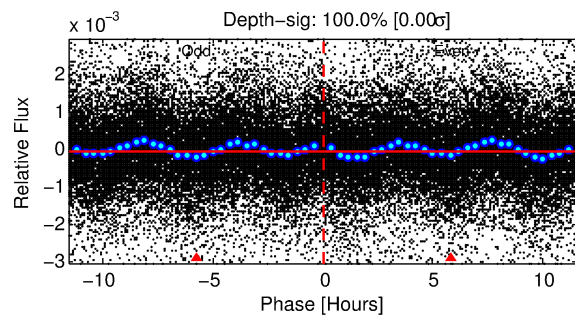
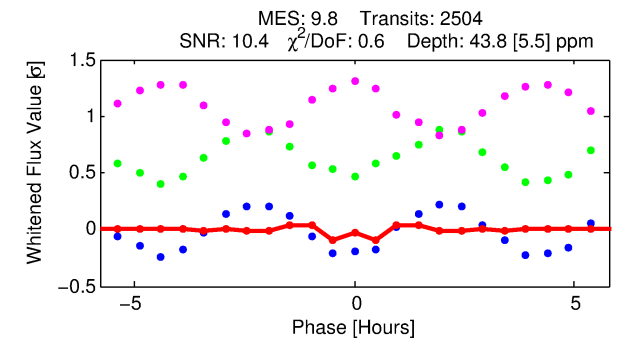
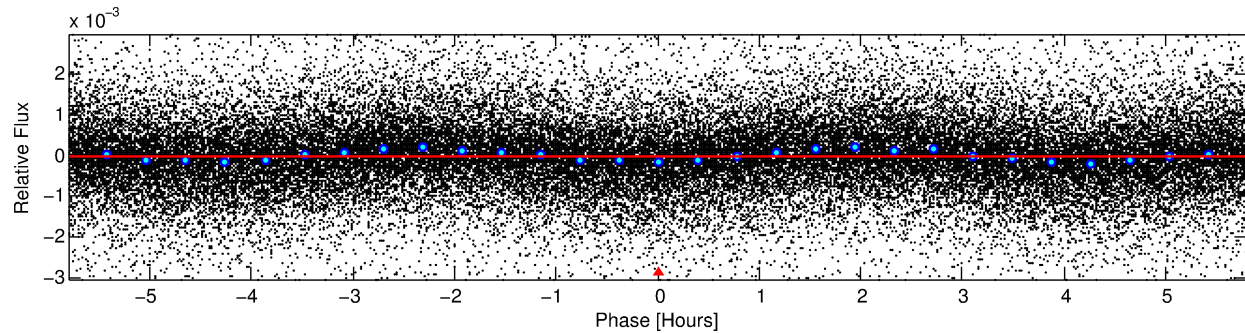
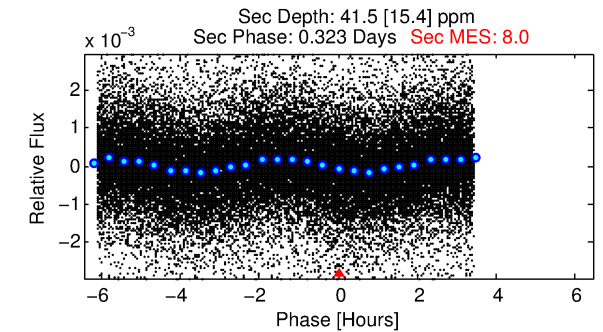
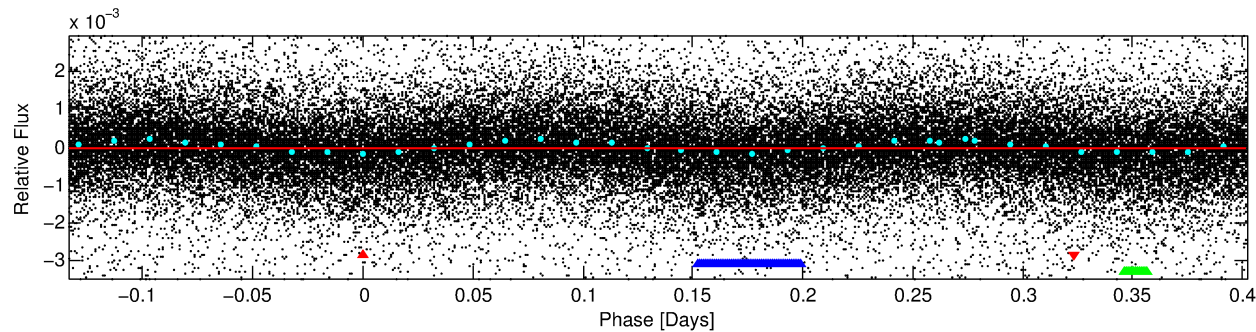
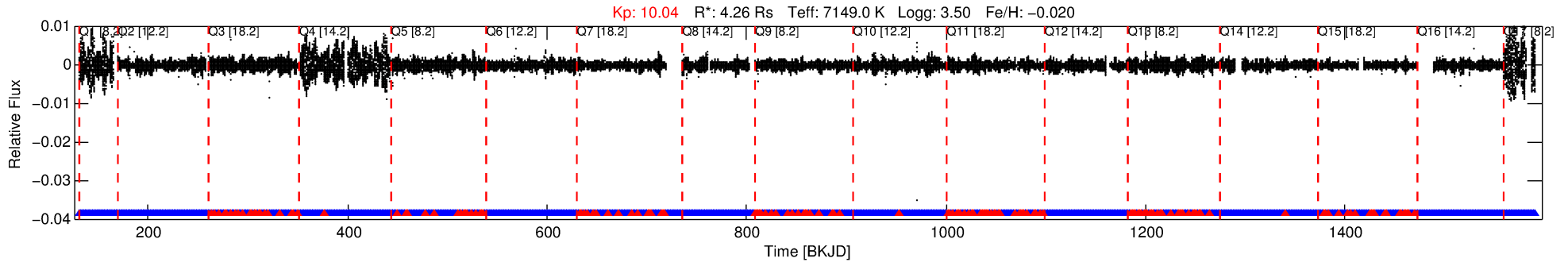
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007269623-01

No Significant Match Found

DV One-Page Summary

KIC: 7269623 Candidate: 1 of 3 Period: 0.536 d



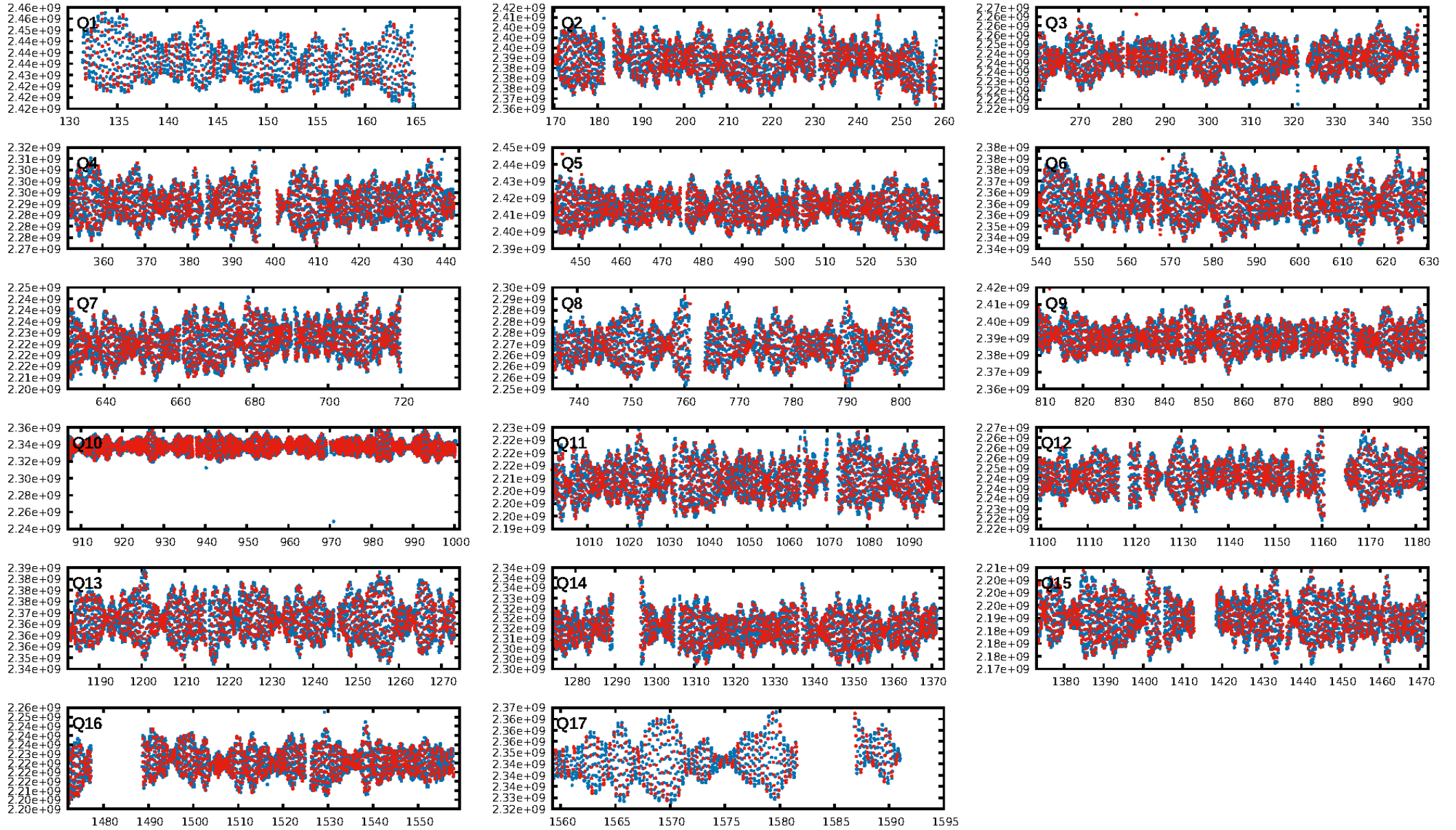
DV Fit Results:

Period = 0.53593 [0.00001] d
Epoch = 131.8767 [0.0008] BKJD
Rp/R* = 0.0070 [0.0010]
a/R* = 1.34 [0.45]
b = 0.90 [0.16]
Seff = N/A
Teq = N/A
Rp = 3.28 [1.94] Re
a = N/A
Ag = N/A
Teffp = N/A

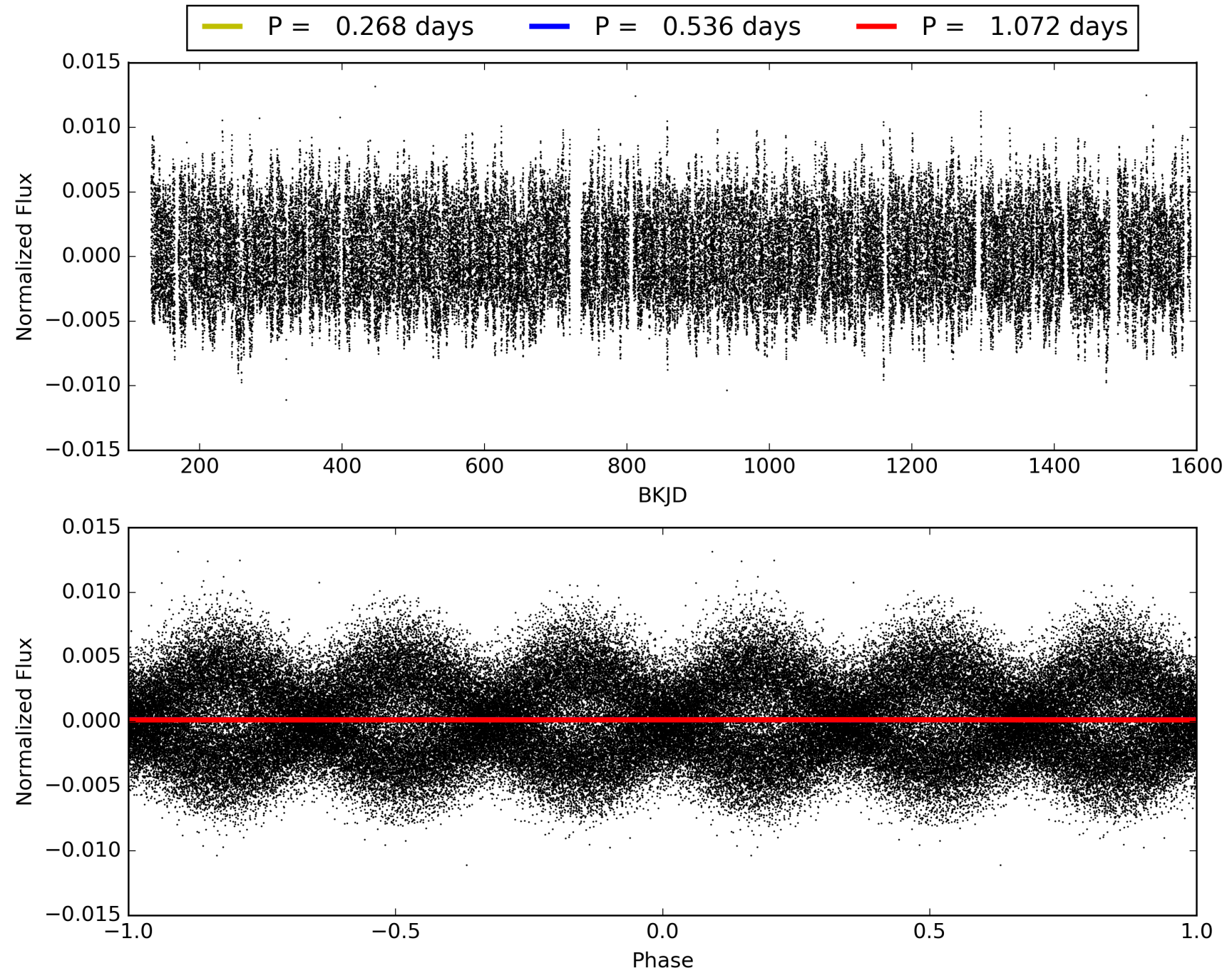
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.93 [2221/2392]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: 1.770 arcsec [4.64σ]
OotOffset-rm: 1.994 arcsec [2.95σ]
KicOffset-rm: 3.641 arcsec [3.61σ]
OotOffset-st: 4/3/4/4 [15]
KicOffset-st: 4/3/4/4 [15]
DiffImageQuality-fgm: 0.20 [3/15]
DiffImageOverlap-fno: 0.00 [0/17]

TCE 007269623-01, PDC Light Curves

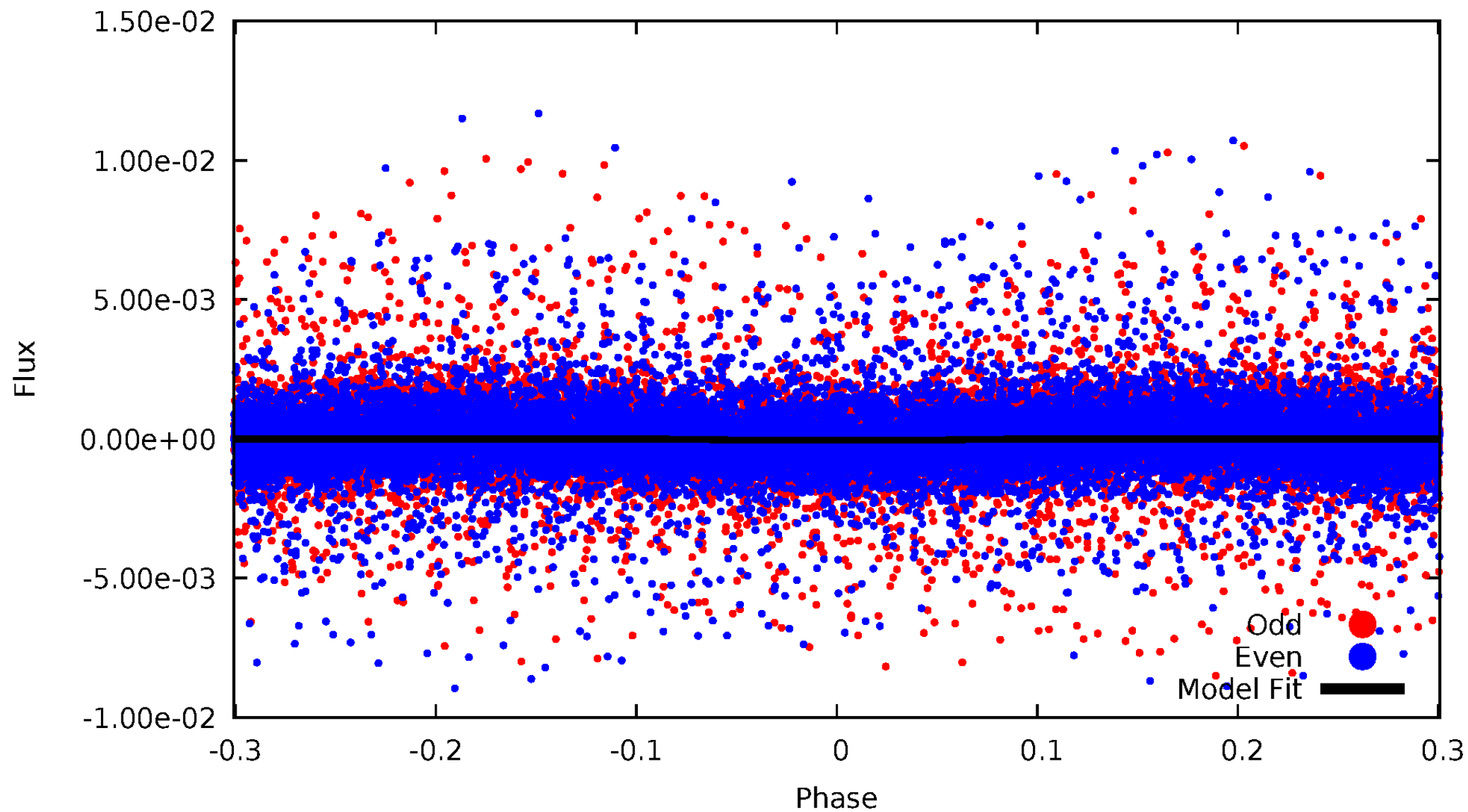


TCE 007269623-01



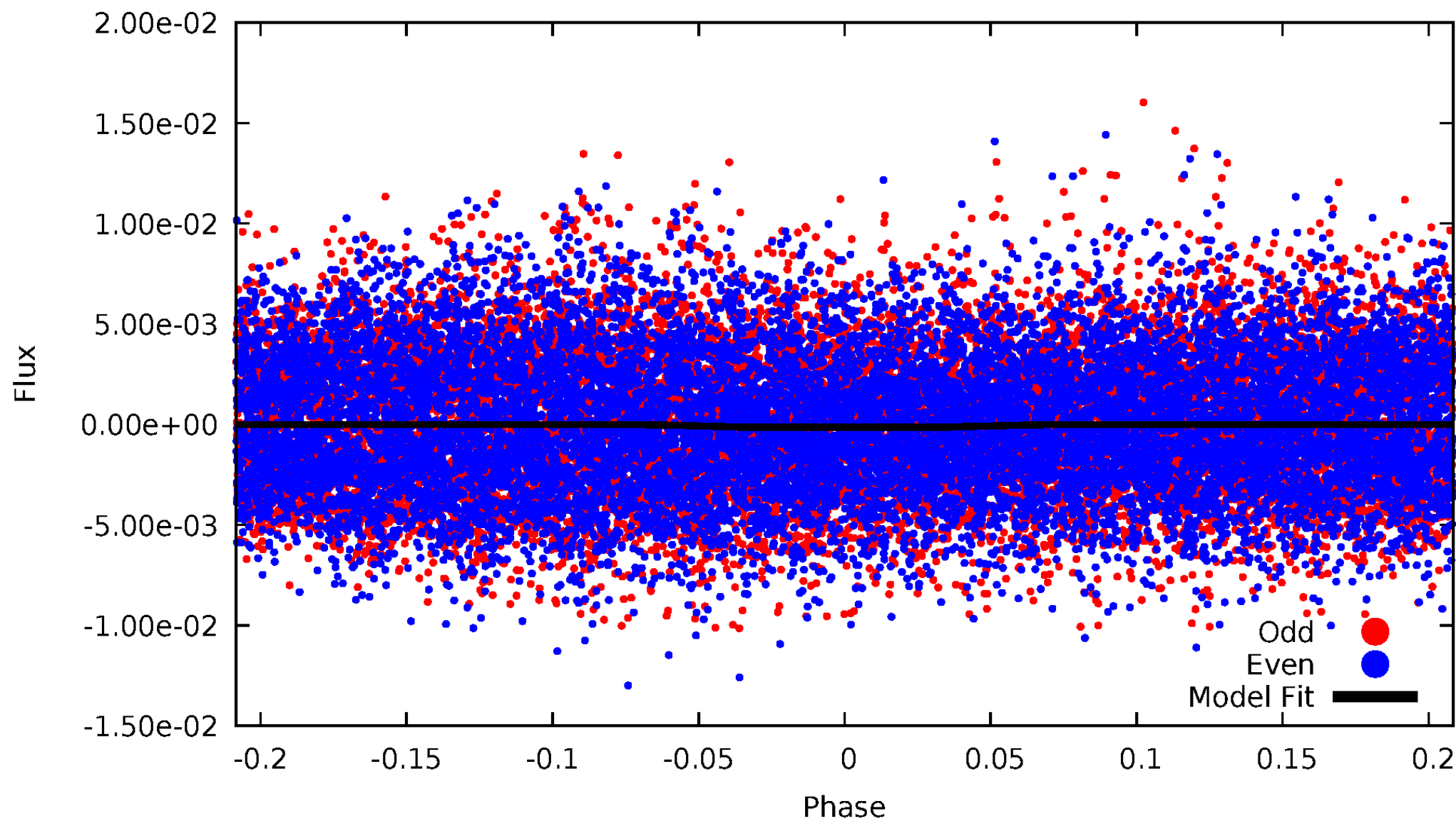
DV Odd/Even

TCE 007269623-01



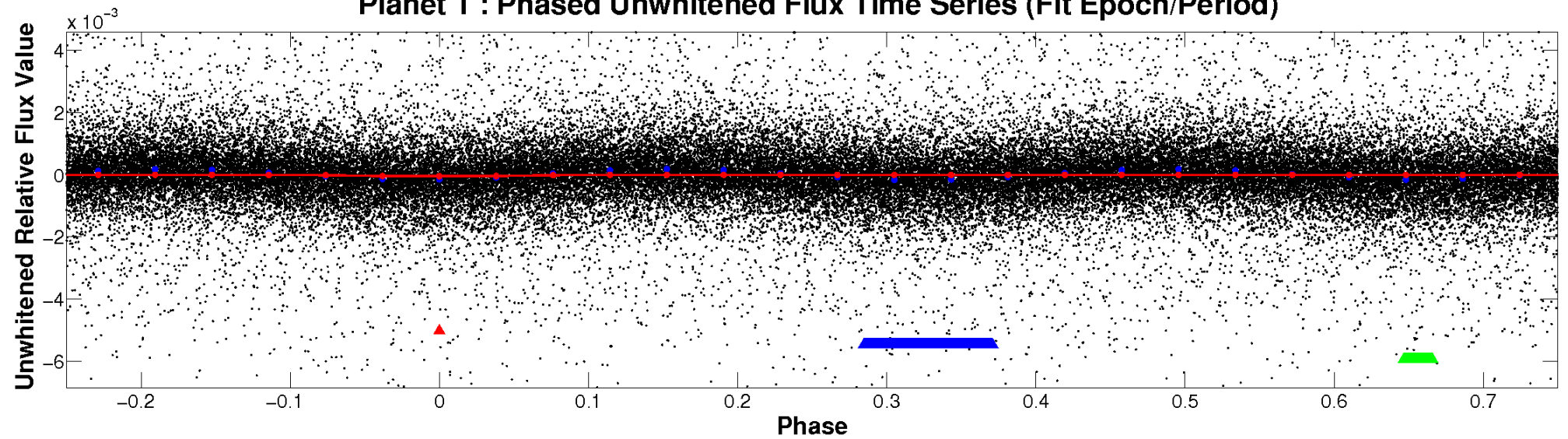
ALT Odd/Even

TCE 007269623-01

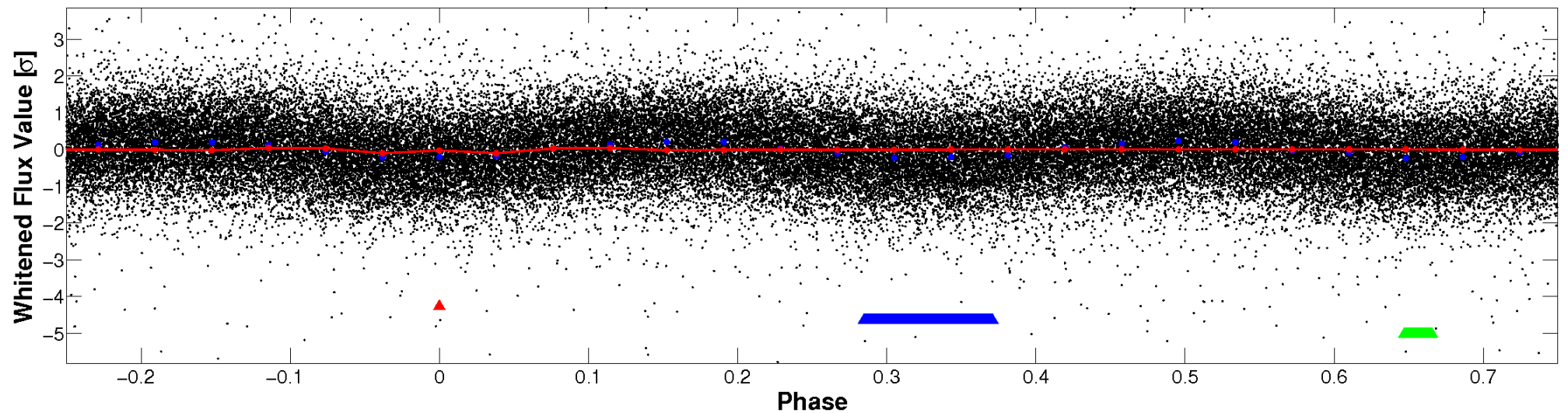


Non-Whitened Vs. Whitened Light Curve

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

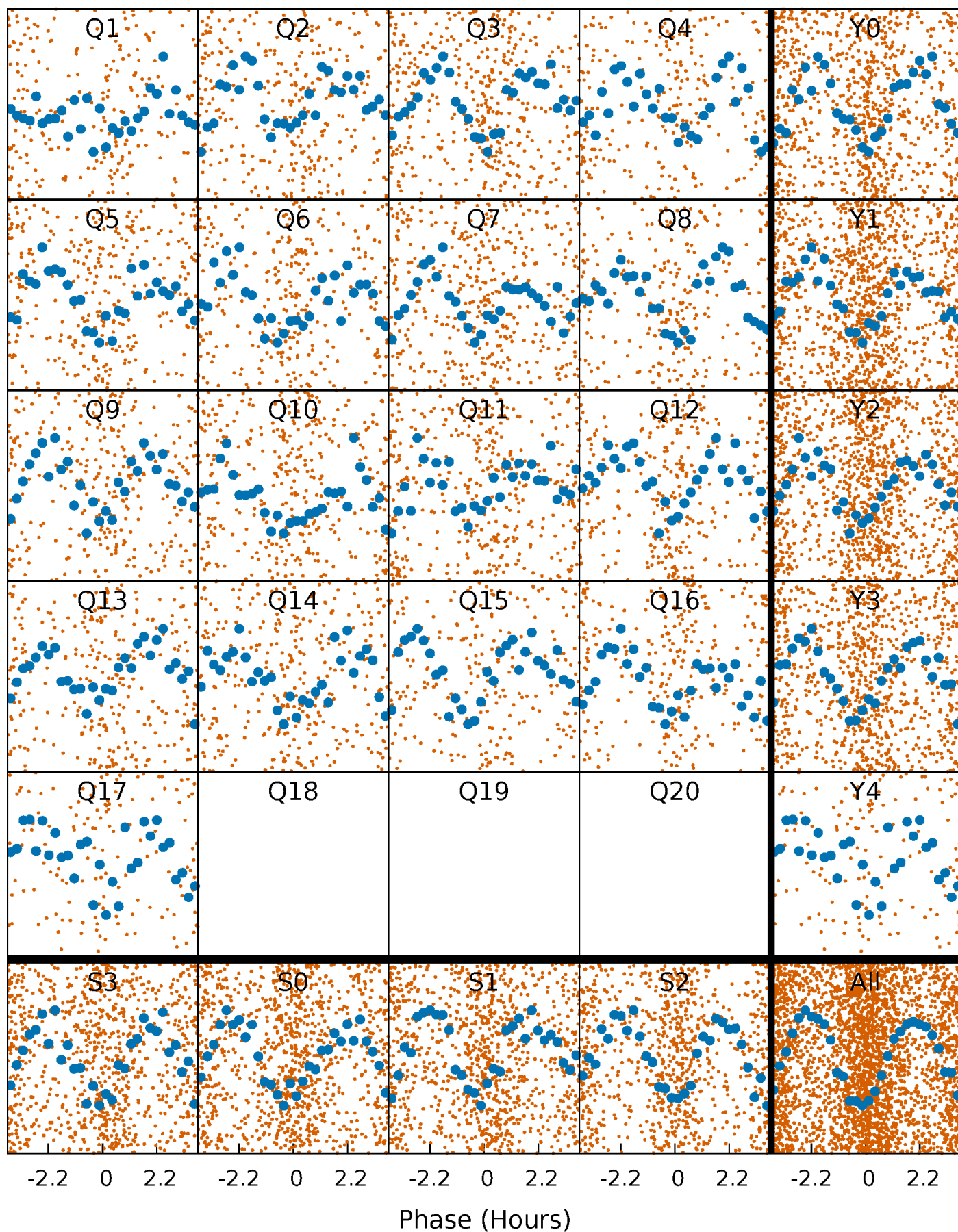


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



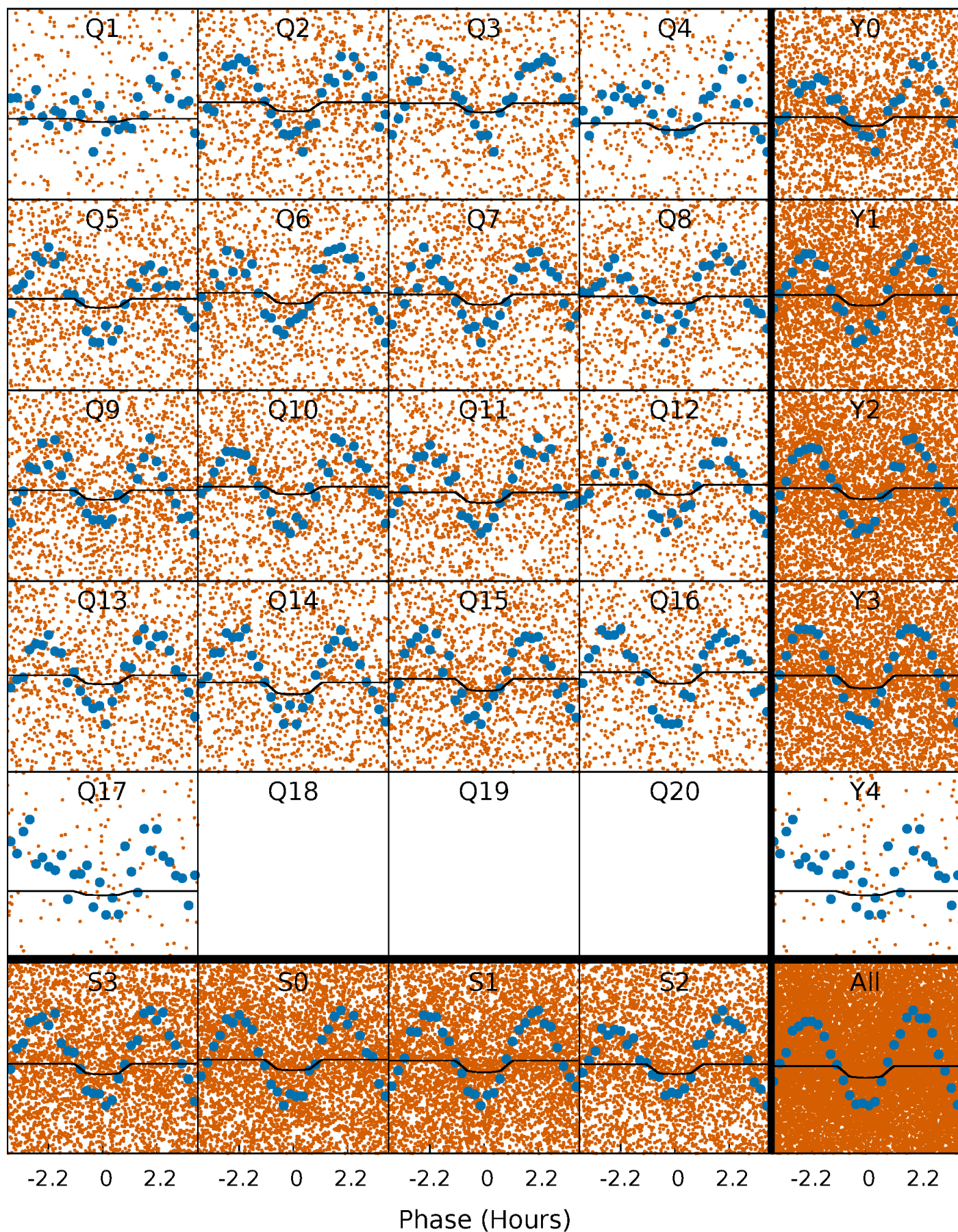
PDC Quarter-Phased Transit Curves

TCE 007269623-01 P= 0.535934 Days $T_0=131.876720$ (BKJD)



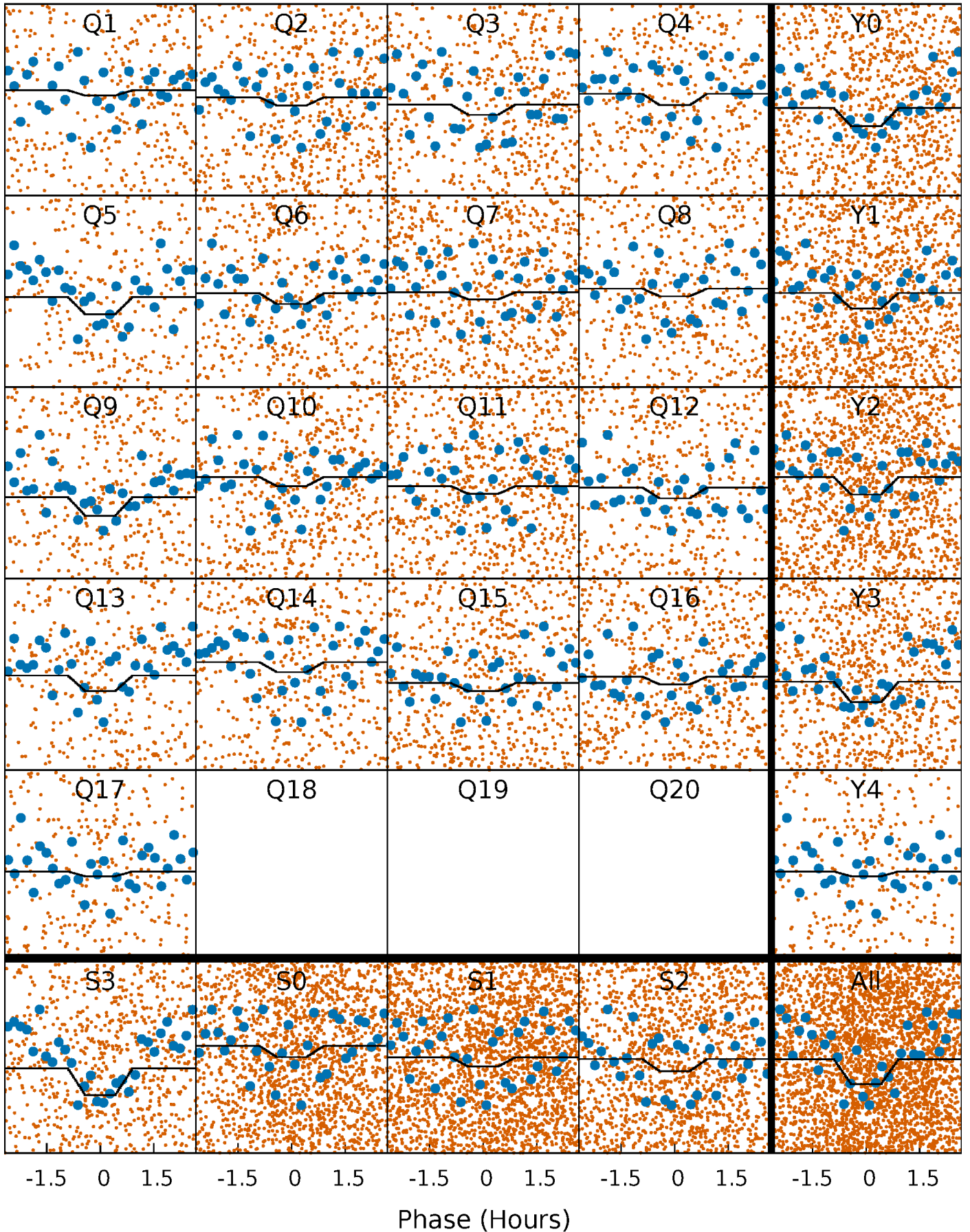
DV Quarter-Phased Transit Curves

TCE 007269623-01 P= 0.535934 Days $T_0=131.876720$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

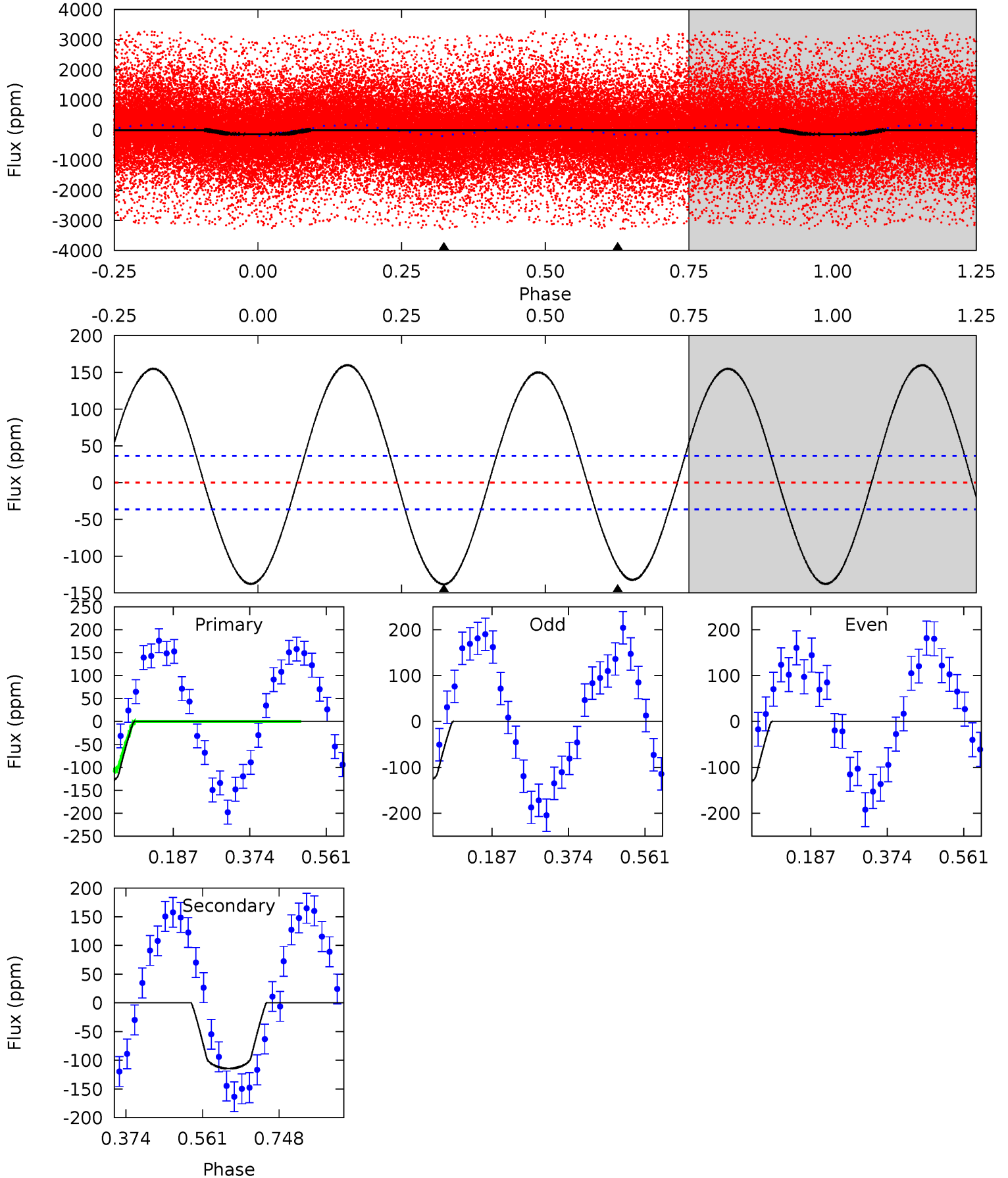
TCE 007269623-01 P= 0.535932 Days $T_0=131.872387$ (BKJD)



DV Model-Shift Uniqueness Test

007269623-01, P = 0.535934 Days, E = 131.340786 Days

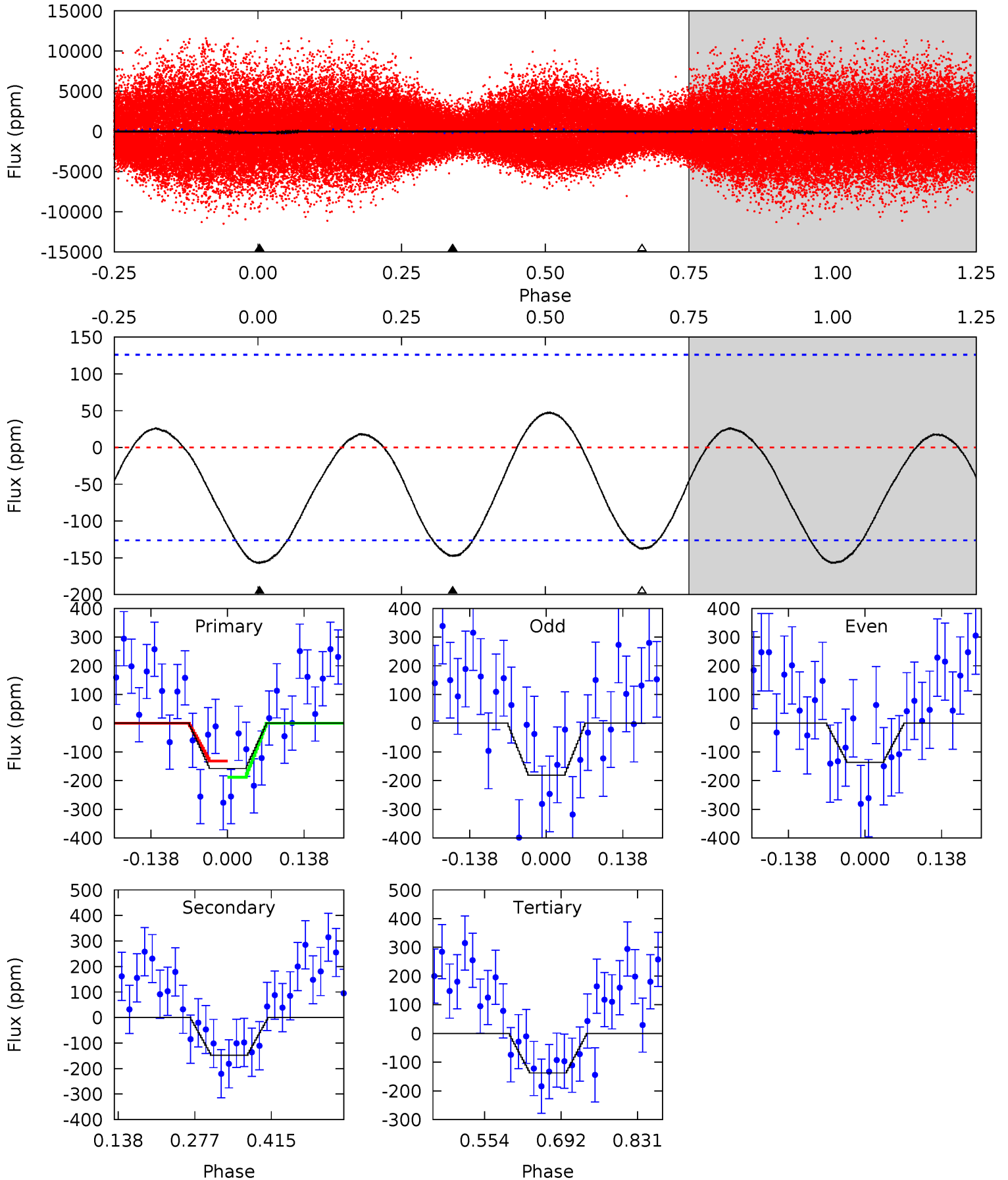
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
16.9	14.0	0	0	4.43	1.32	12.4	16.9	16.9	14.0	14.0	0.36	1.41	0.54	2.59



Alt Model-Shift Uniqueness Test

007269623-01, P = 0.535932 Days, E = 131.336455 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
5.62	5.27	4.91	0	4.50	1.48	2.19	0.72	5.62	0.36	5.27	0.80	0.69	0.23	0.93



Stellar Parameters For KIC 007269623

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7149^{+225}_{-300}	$3.496^{+0.594}_{-0.099}$	$-0.020^{+0.250}_{-0.300}$	$4.263^{+0.273}_{-2.453}$	$2.075^{+0.103}_{-0.581}$	$0.038^{+0.282}_{-0.008}$
	+3%/-4%	+17%/-3%	+1250%/-1500%	+6%/-58%	+5%/-28%	+747%/-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 007269623-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-114 ± 8	$3.02^{+0.64}_{-0.90}$	6904^{+458}_{-1008}	8713^{+1109}_{-975}	$1.873^{+1.471}_{-0.629}$
Alt.	-148 ± 28	$5.29^{+0.78}_{-1.45}$	6925^{+453}_{-976}	6313^{+858}_{-765}	$0.790^{+0.617}_{-0.241}$

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

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

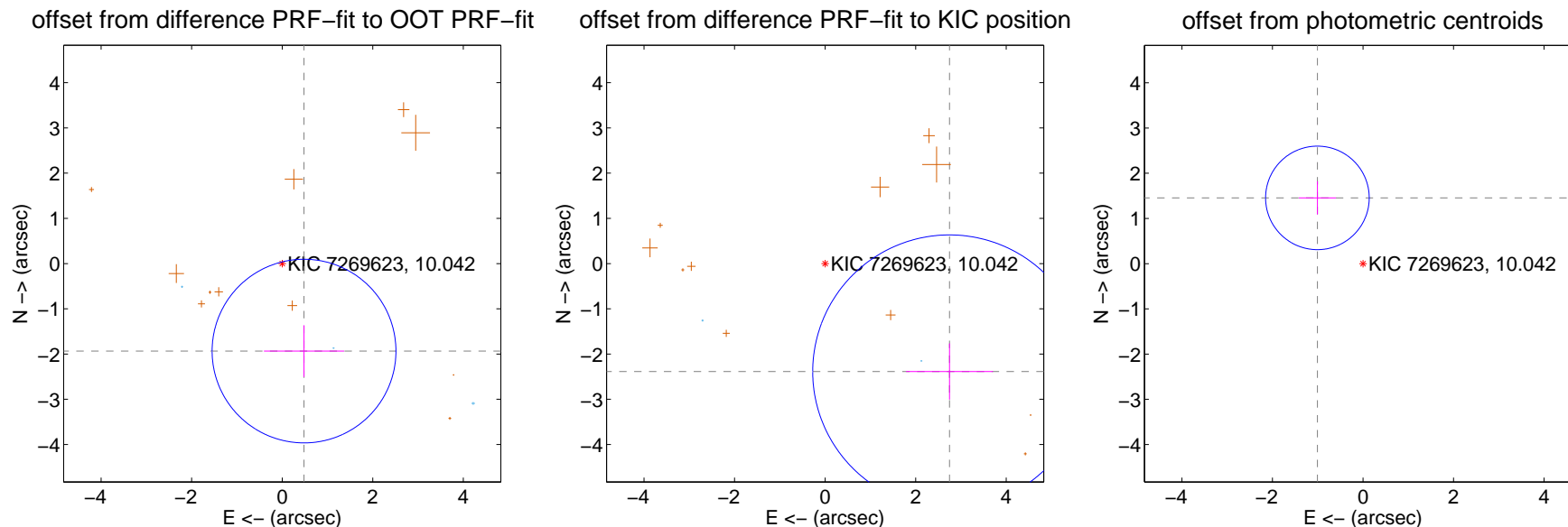
DV Centroid Data

Supplemental centroid analysis for 007269623-01. **Kepler magnitude: 10.04.** Transit SNR 10.35

There are 3 quarters with good PRF difference image offsets

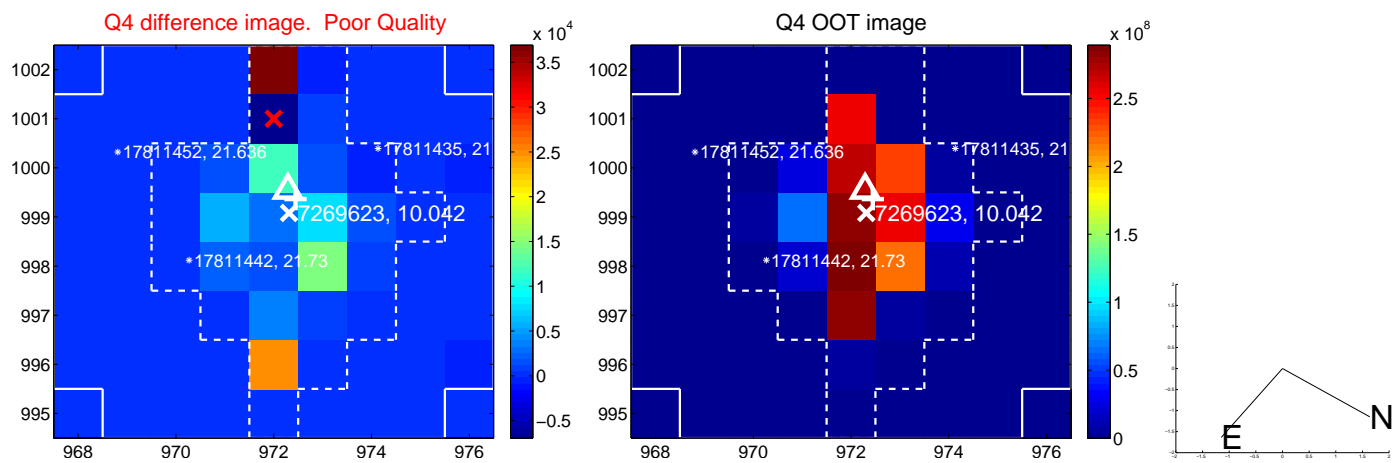
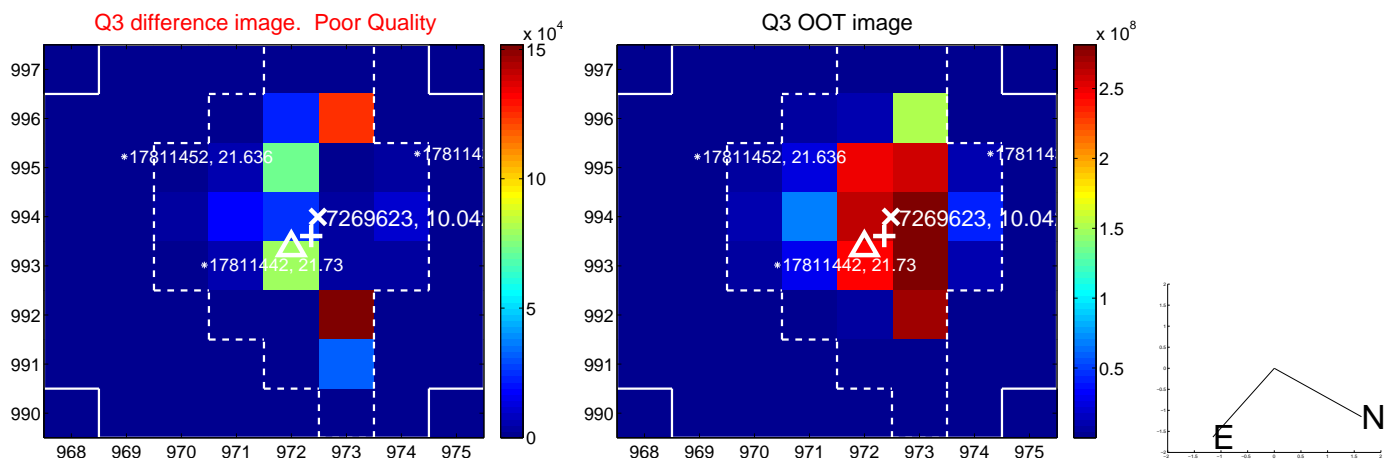
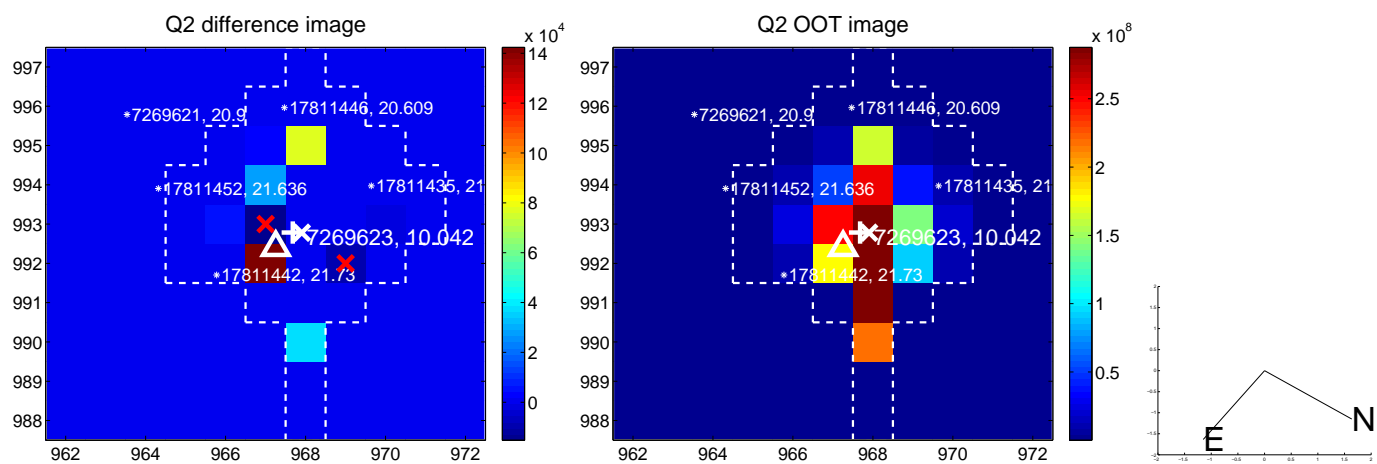
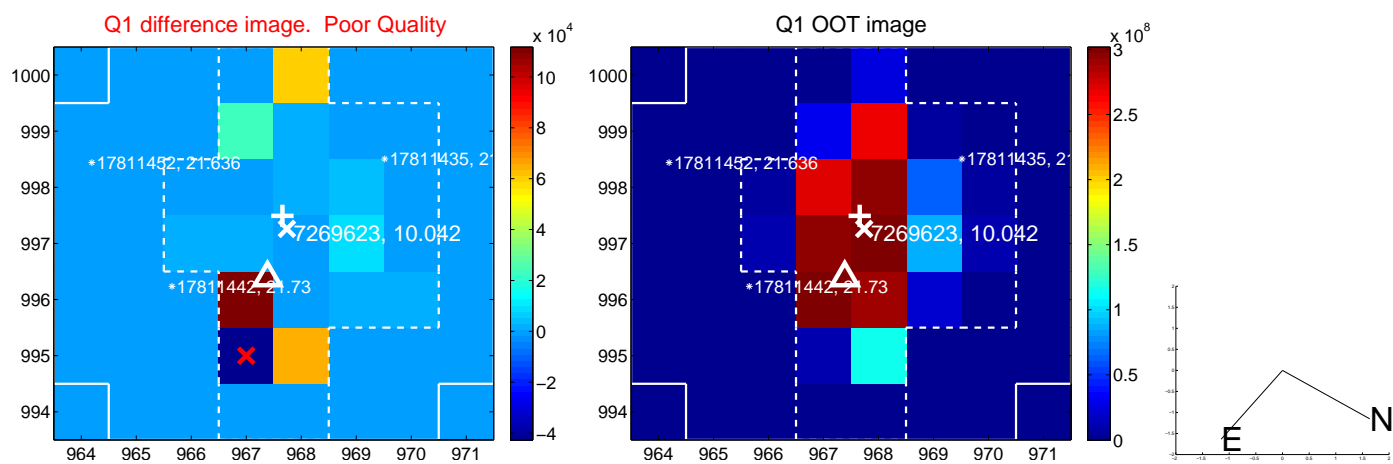
The direct PRF centroid is offset from the target star catalog position by about 1.06 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.994 ± 0.677	2.95	-0.482 ± 0.885	-1.935 ± 0.572
PRF-fit source offset from KIC position	3.641 ± 1.007	3.61	-2.748 ± 0.959	-2.388 ± 0.622
photometric centroid source offset	1.77 ± 0.38	4.64	1.01 ± 0.41	1.45 ± 0.37

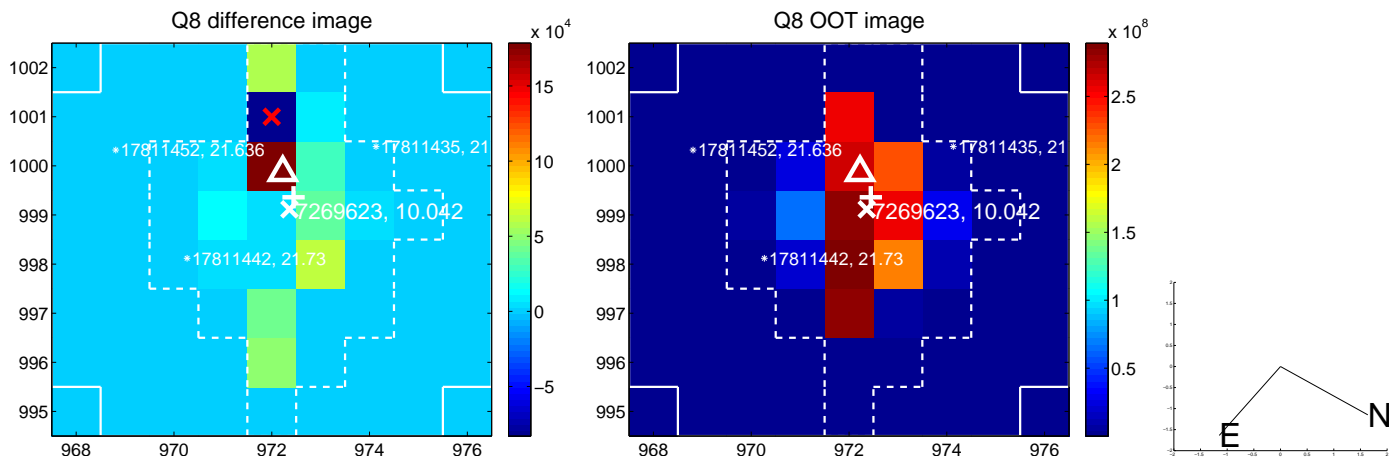
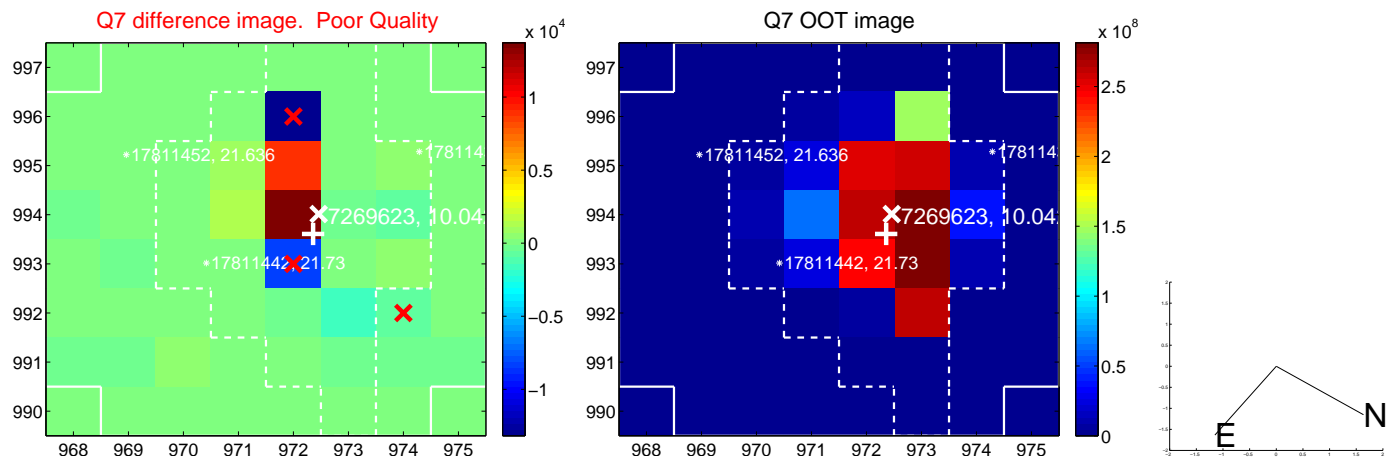
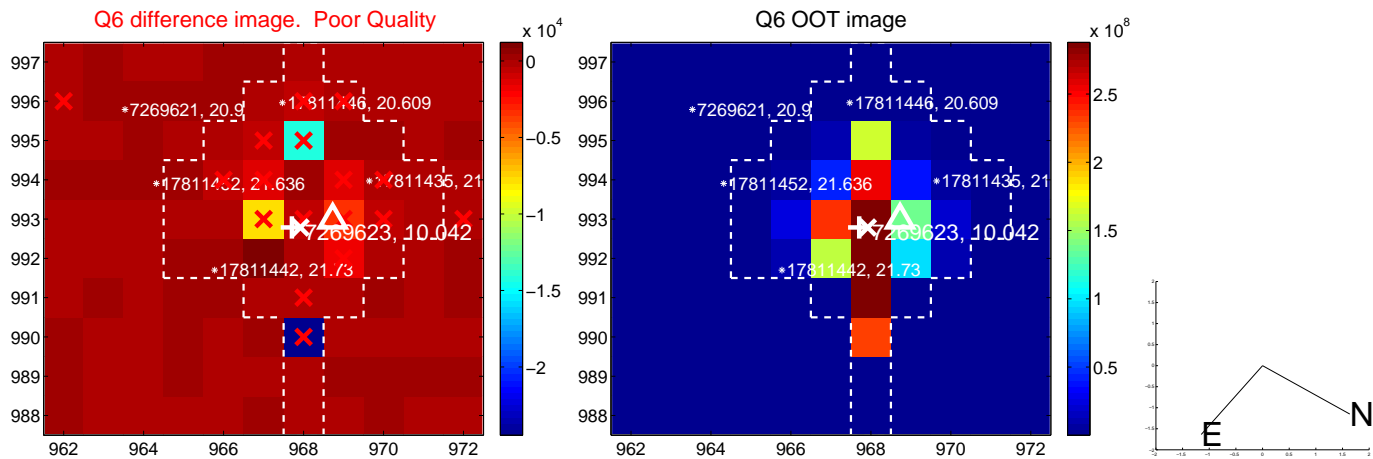
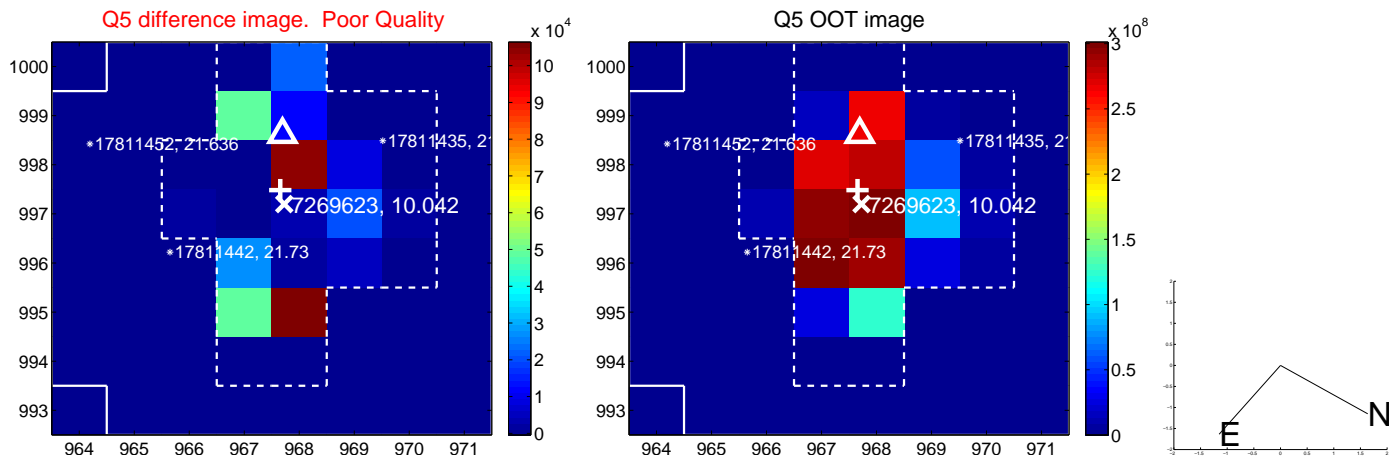


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

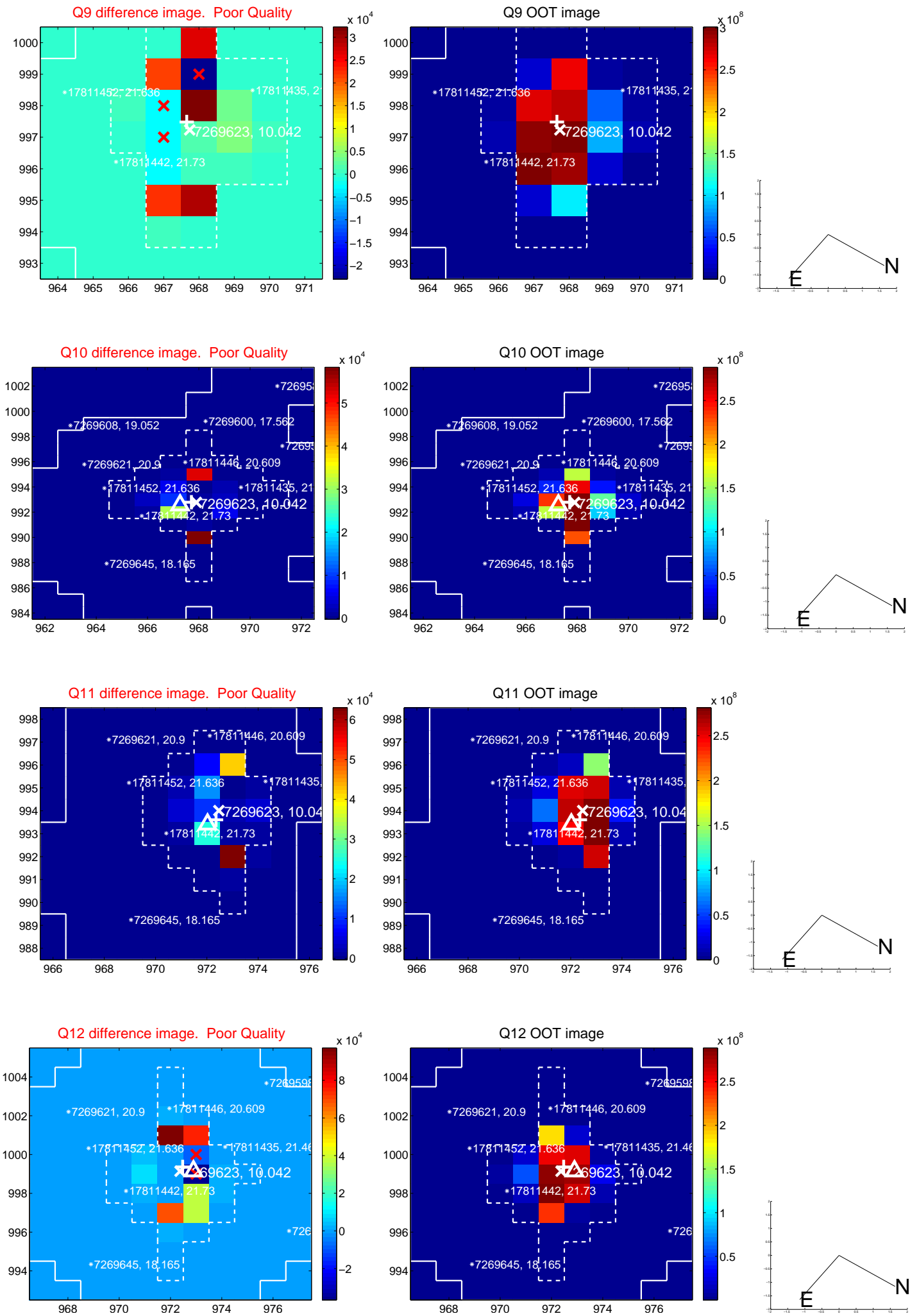
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



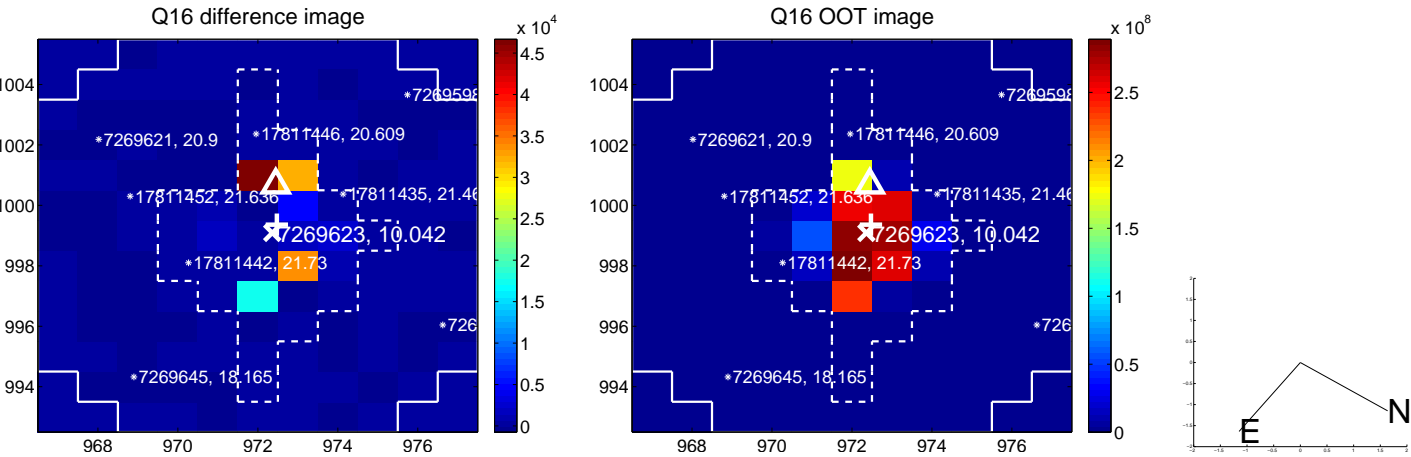
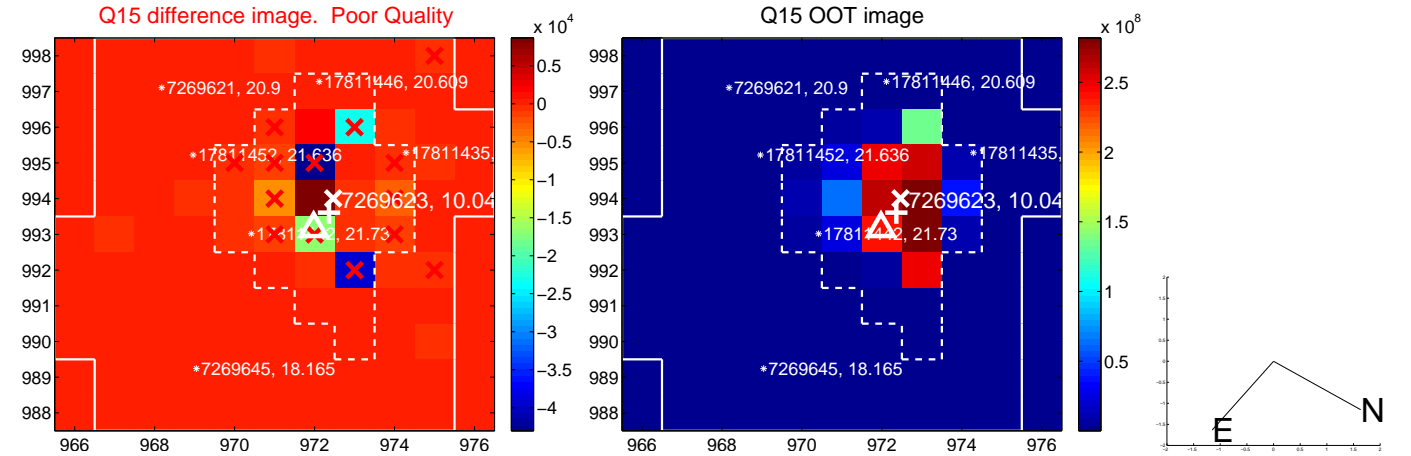
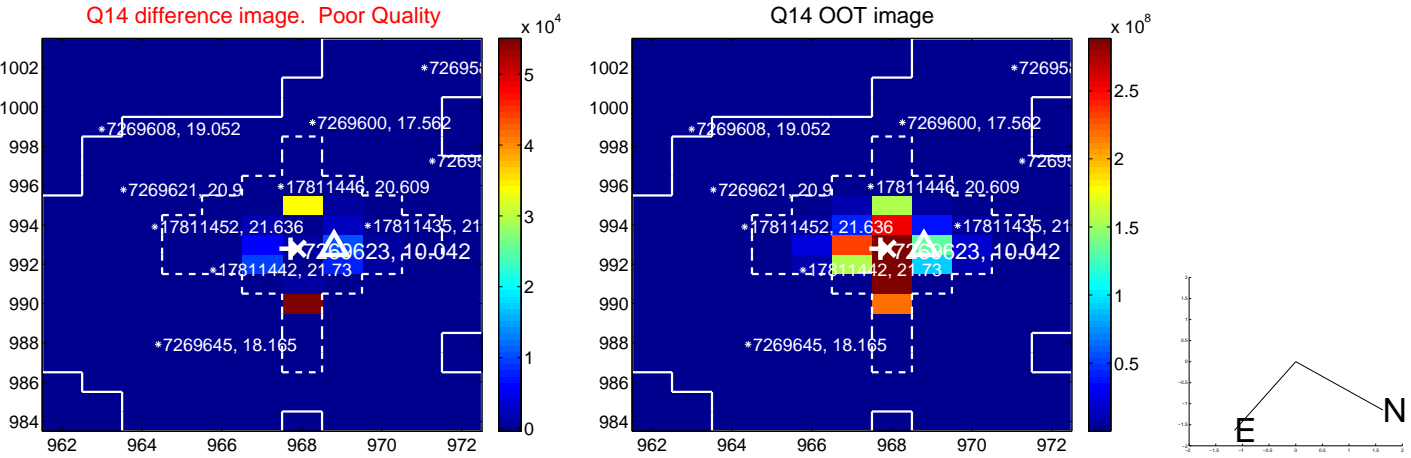
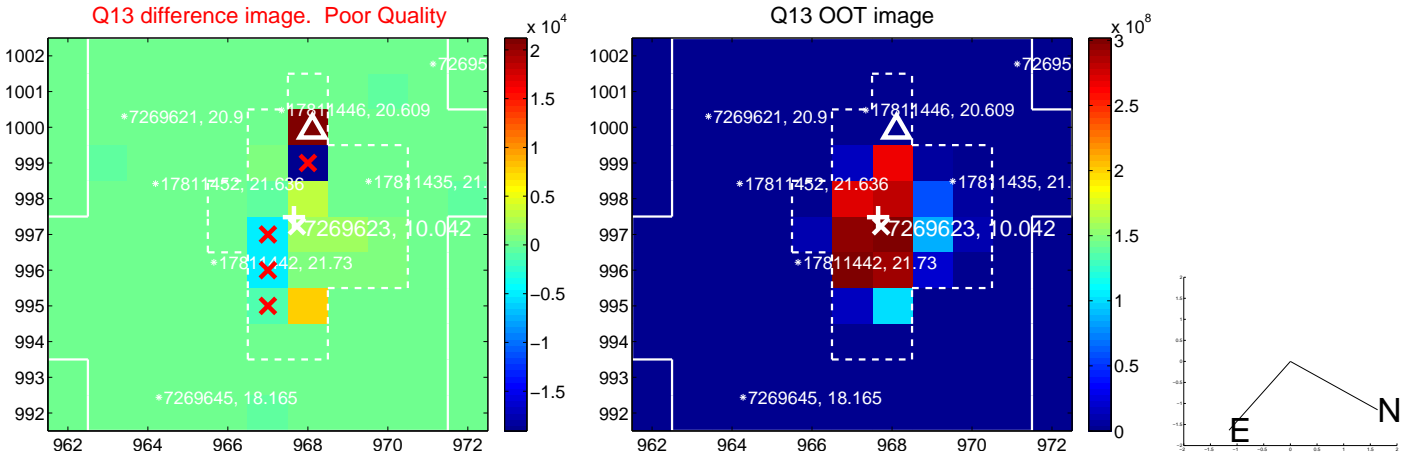
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



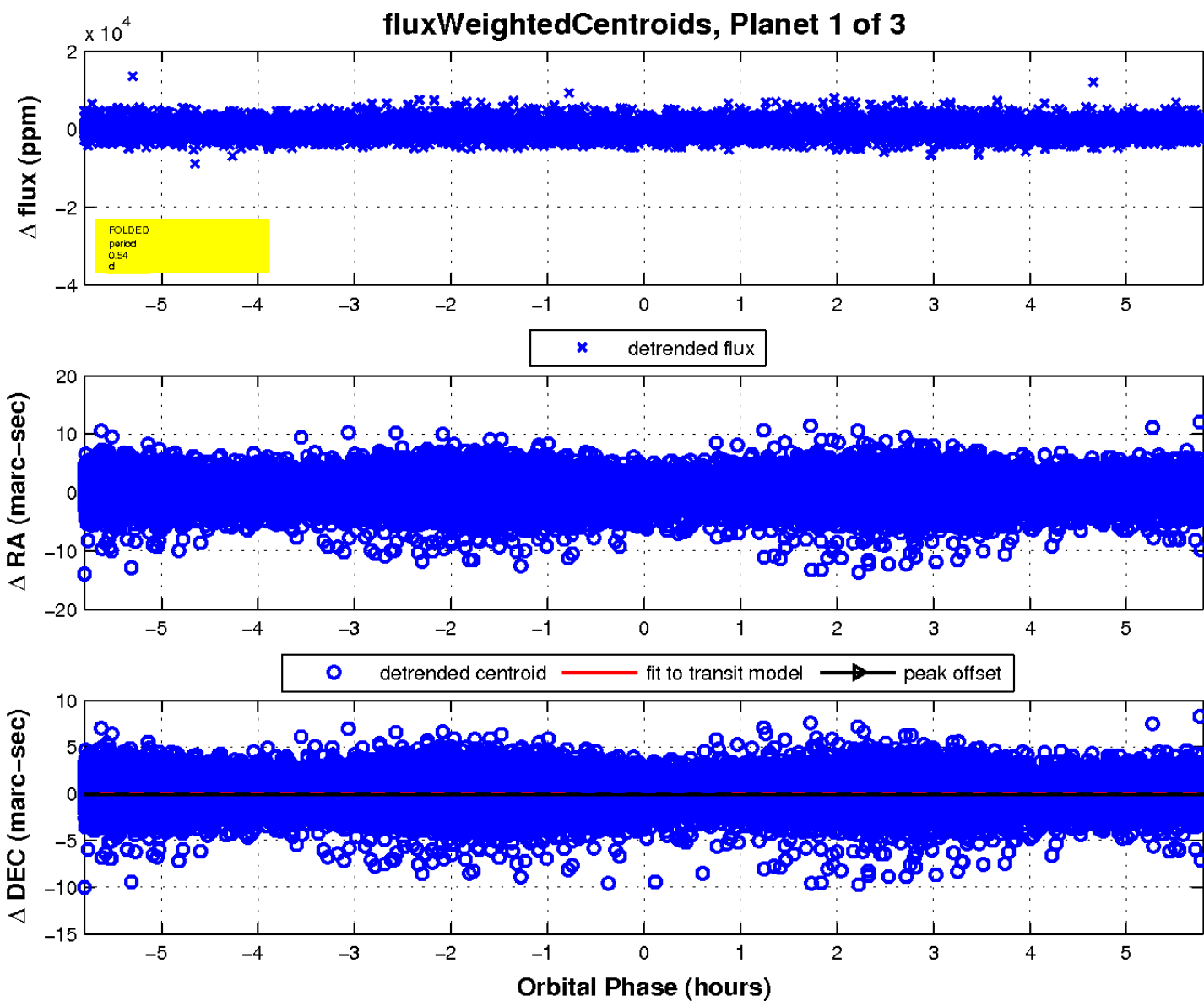
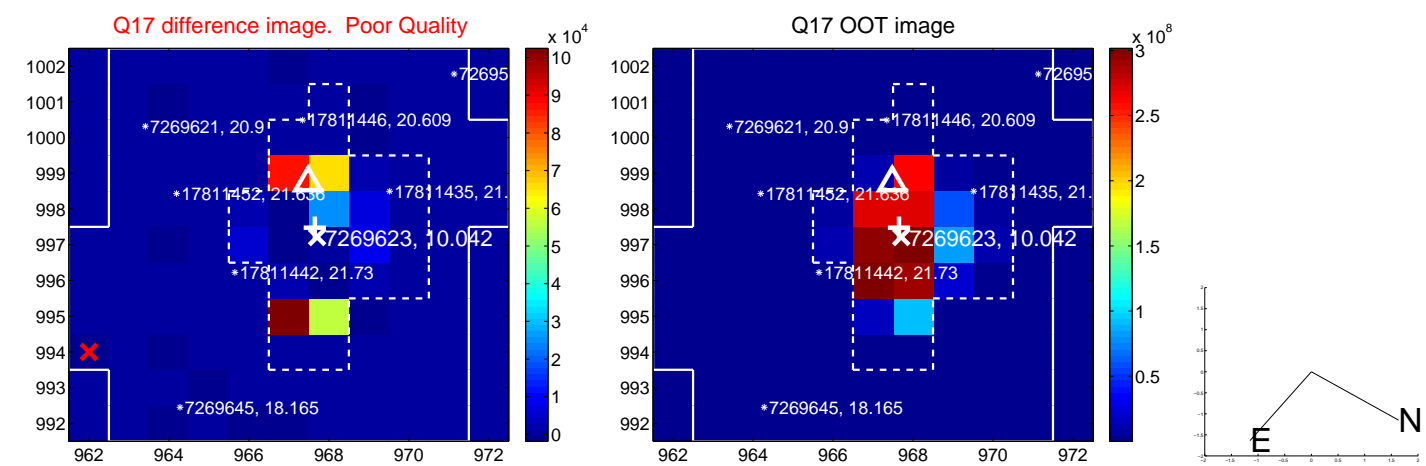
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

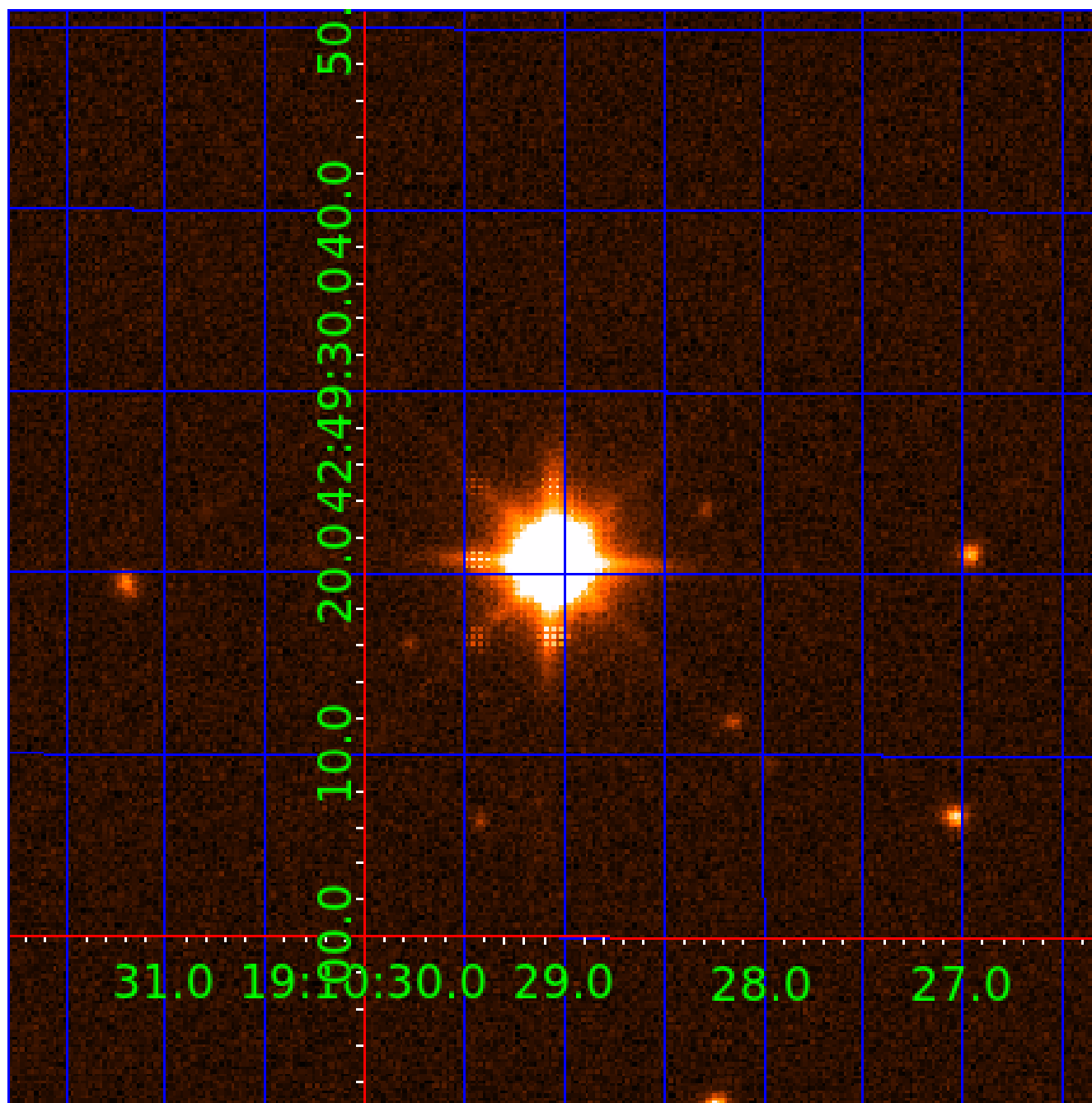


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 007269623

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})
007269623-01	OBS	No	0.535934	131.876720	43.8	1.933	9.8	10.4	4.26	7149	3.28	0.00
007269623-02	OBS	No	0.535917	131.539638	86.4	1.483	14.3	12.8	4.26	7149	4.02	0.00
007269623-03	OBS	No	0.535930	131.697623	148.4	1.768	16.5	18.7	4.26	7149	5.36	0.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007269623-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—CENT_SATURATED
007269623-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_SATURATED
007269623-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD—CENT_SATURATED

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

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

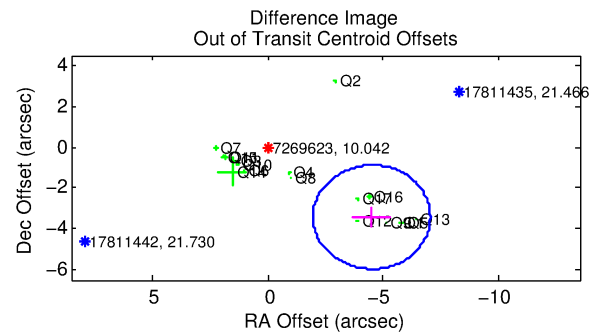
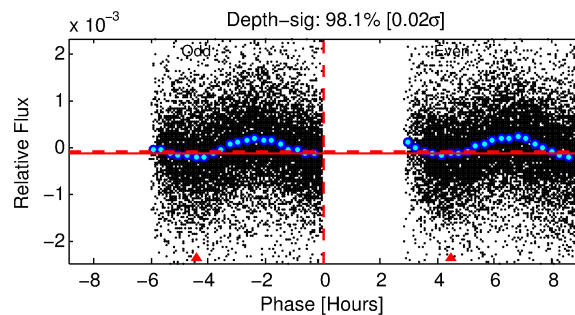
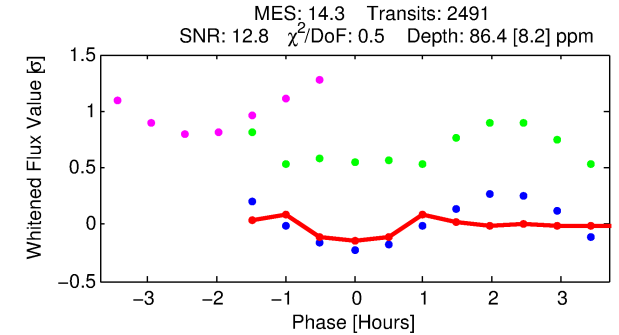
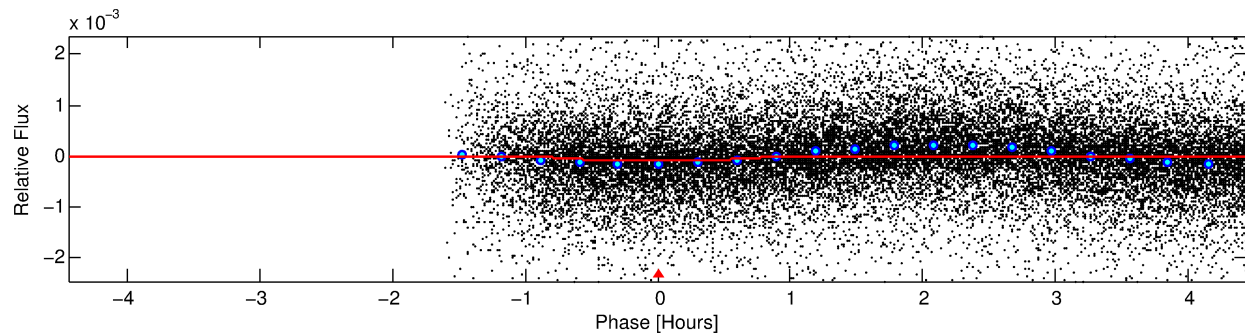
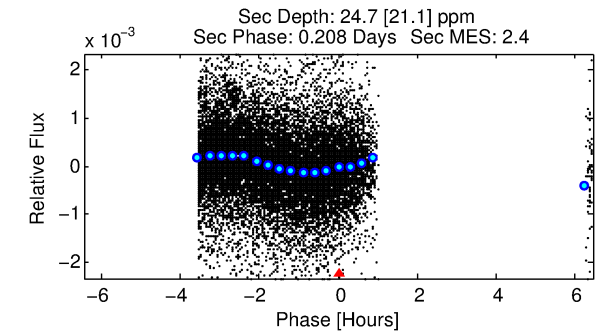
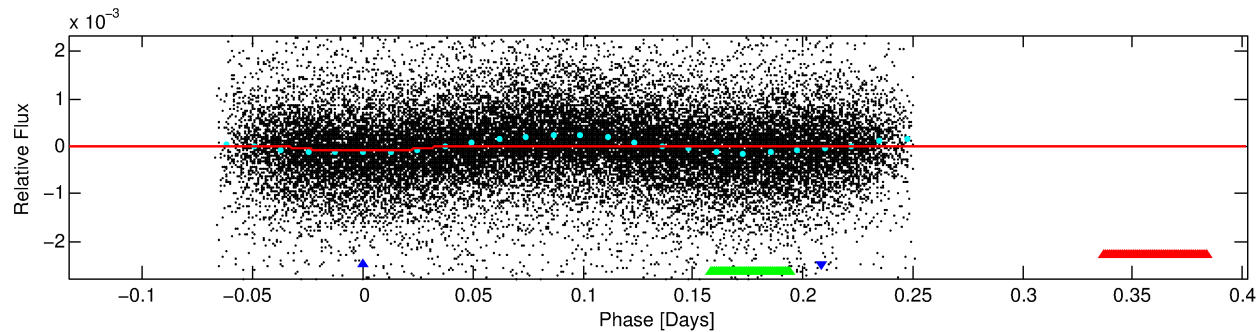
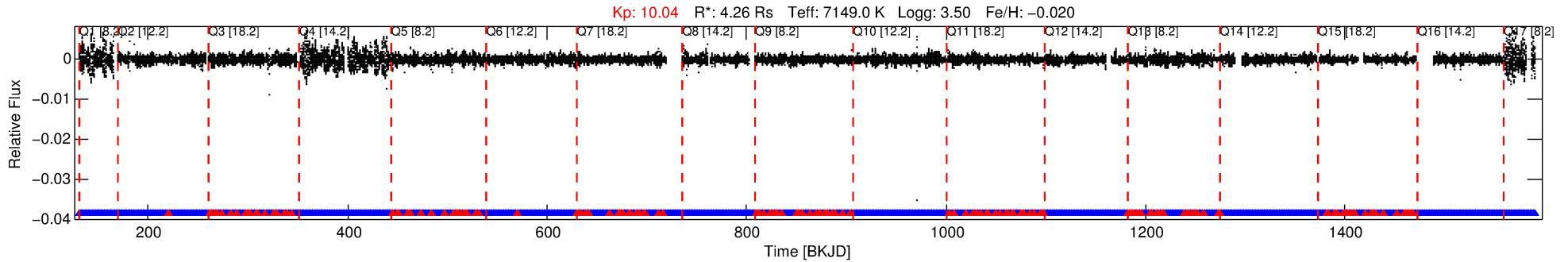
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007269623-02

No Significant Match Found

DV One-Page Summary

KIC: 7269623 Candidate: 2 of 3 Period: 0.536 d



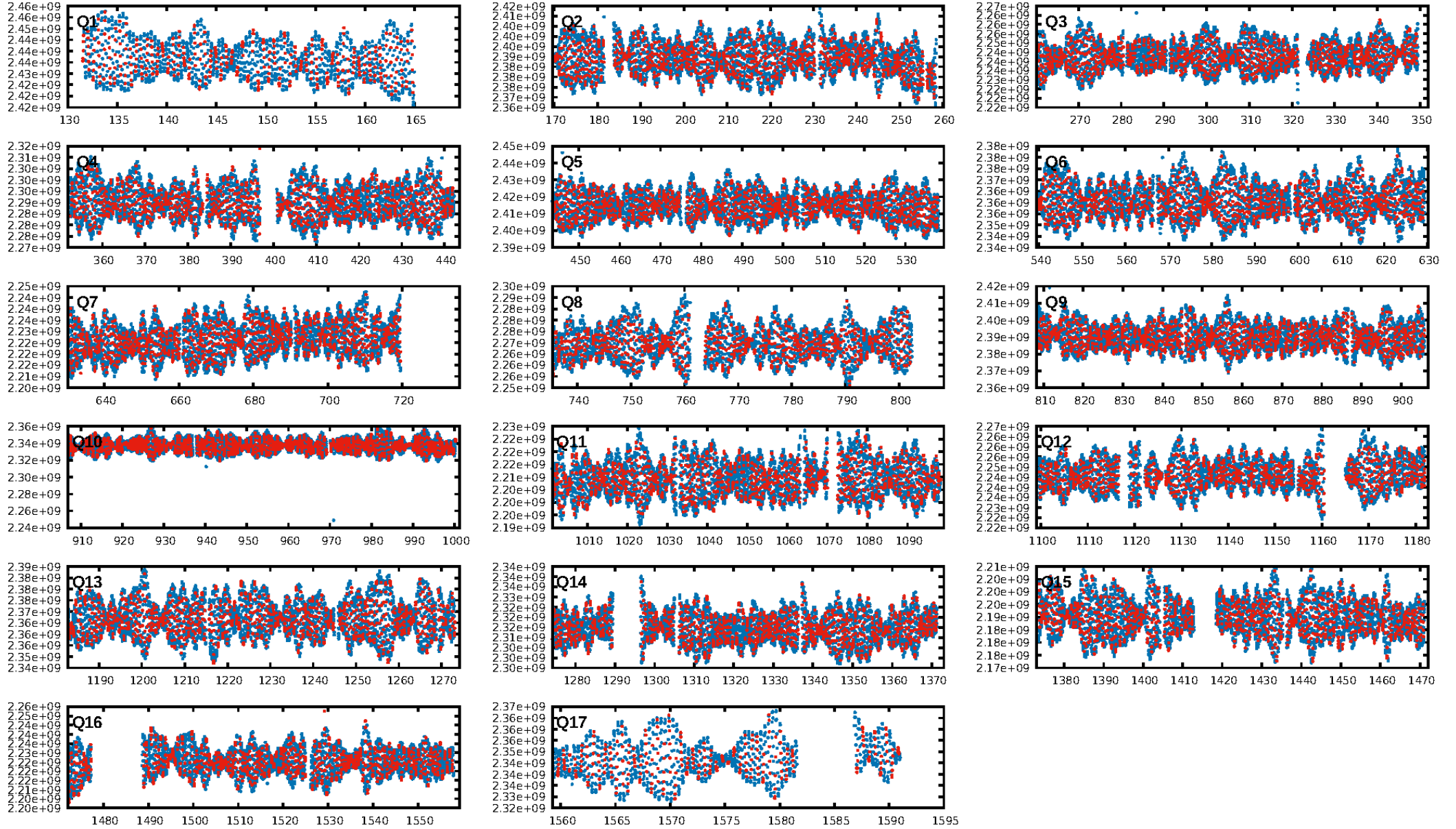
DV Fit Results:

Period = 0.53592 [0.00001] d
Epoch = 131.5396 [0.0007] BKJD
Rp/R* = 0.0086 [0.0024]
a/R* = 2.84 [3.90]
b = 0.09 [16.57]
Seff = N/A
Teq = N/A
Rp = 4.02 [2.58] Re
a = N/A
Ag = N/A
Teffp = N/A

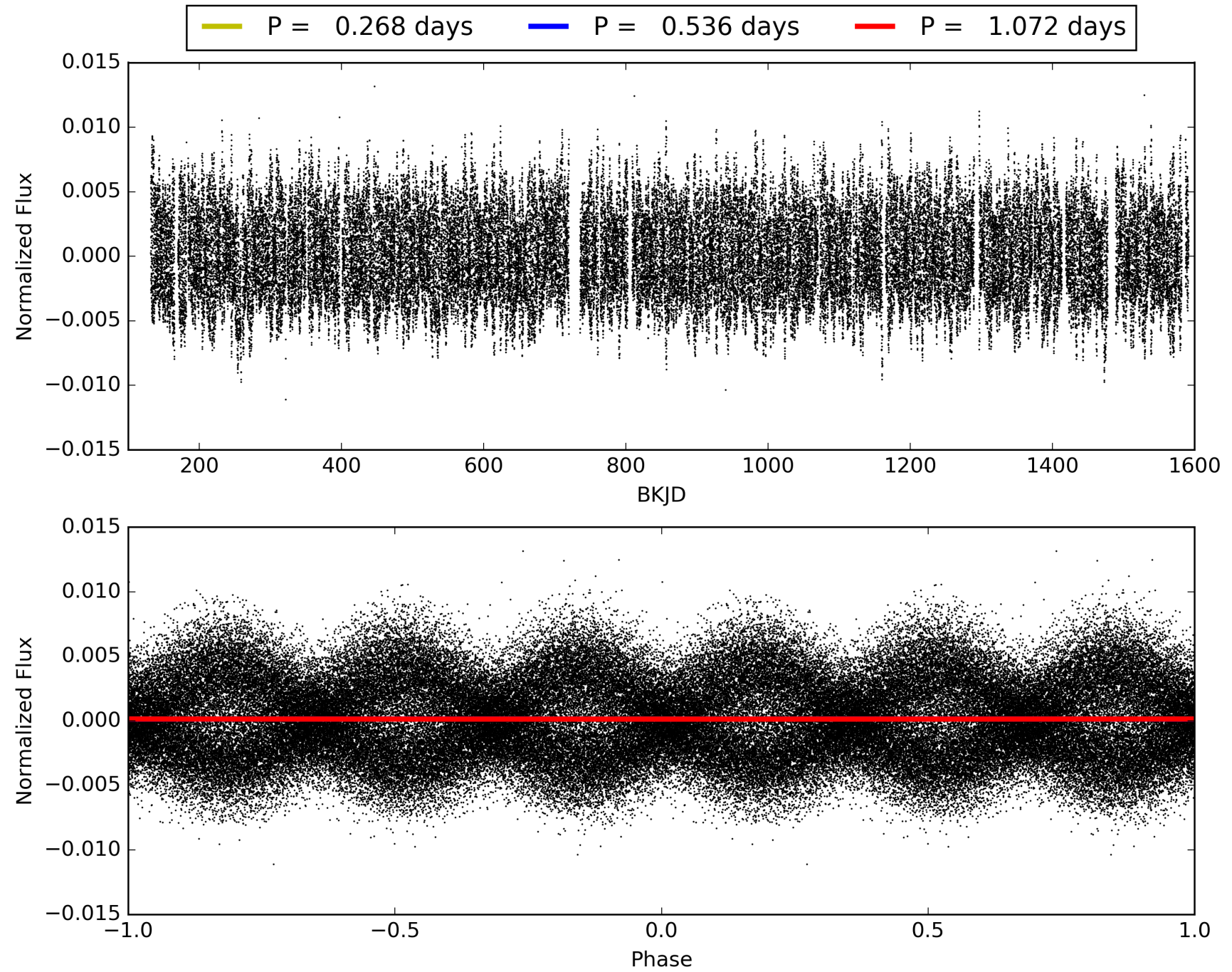
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.93 [2210/2378]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: 1.047 arcsec [5.36 σ]
OotOffset-rm: 5.646 arcsec [6.66 σ]
KicOffset-rm: 6.434 arcsec [6.75 σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.12 [2/17]
DiffImageOverlap-fno: 0.00 [0/17]

TCE 007269623-02, PDC Light Curves

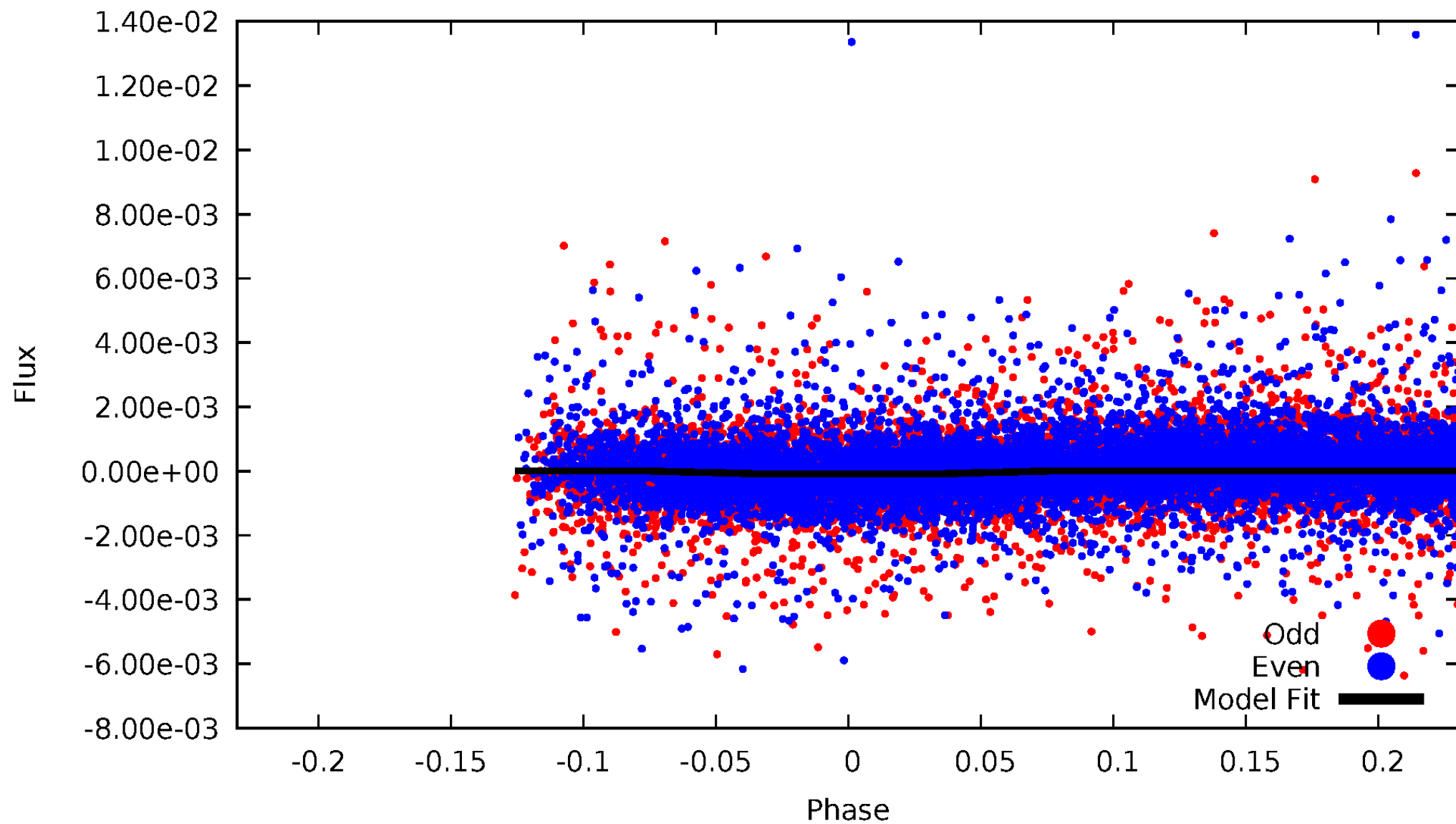


TCE 007269623-02



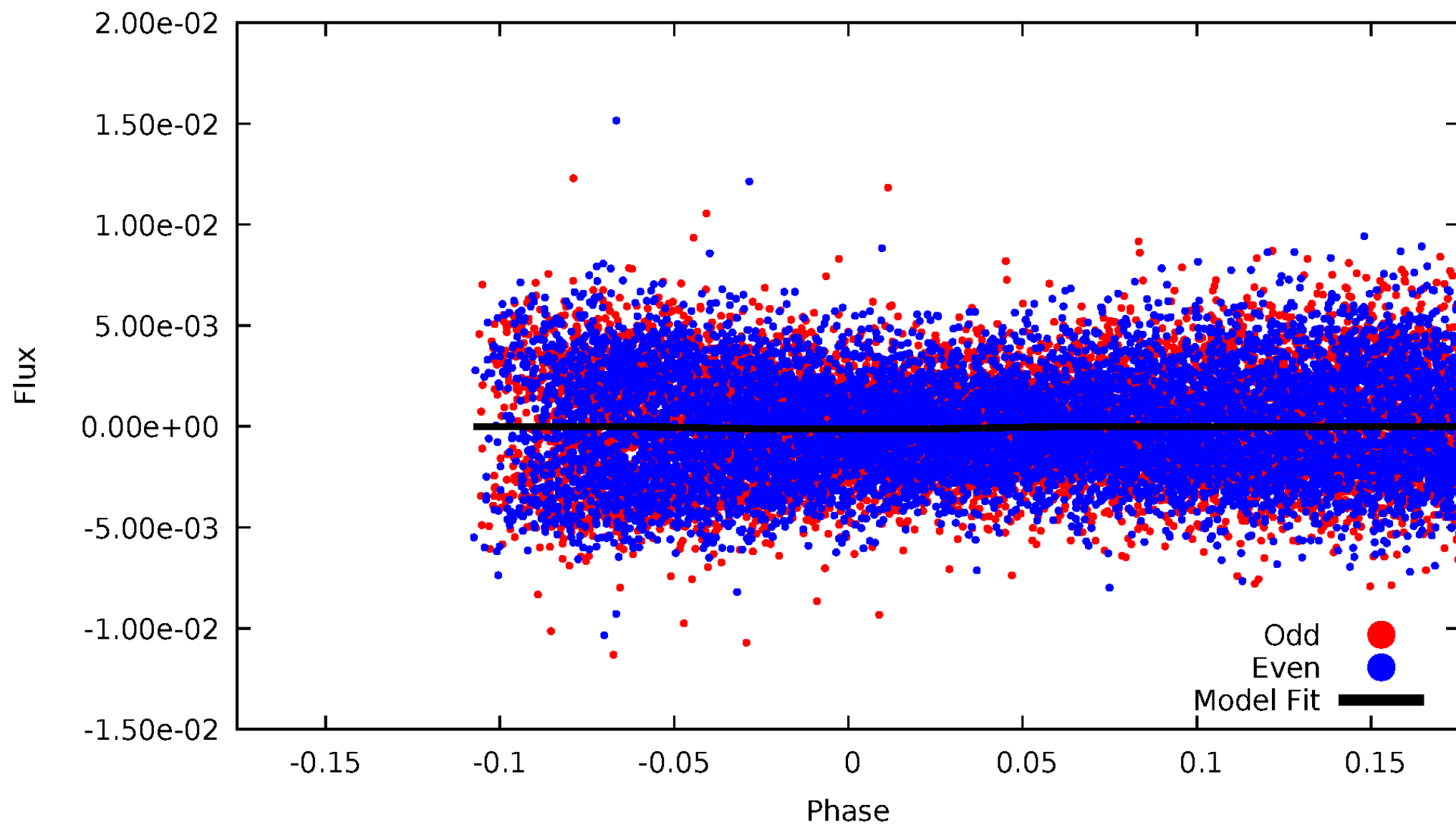
DV Odd/Even

TCE 007269623-02



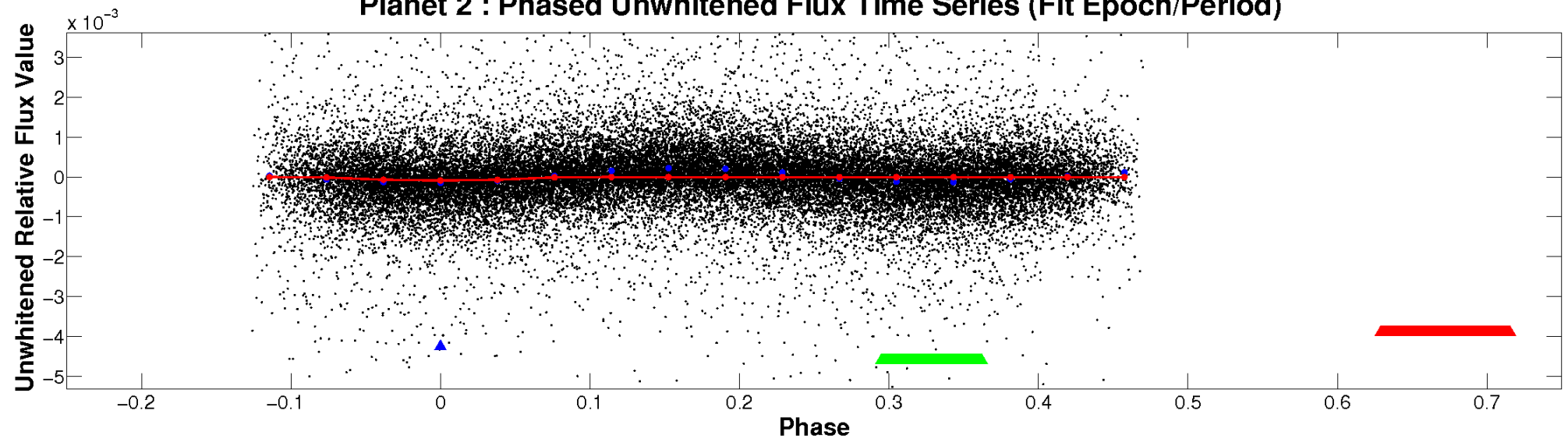
ALT Odd/Even

TCE 007269623-02

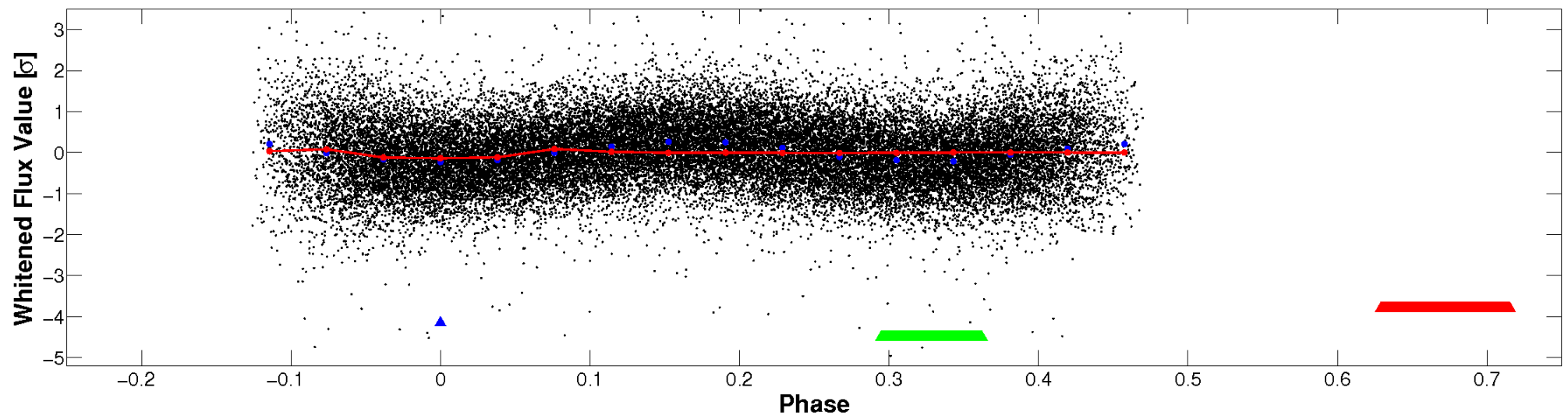


Non-Whitened Vs. Whitened Light Curve

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

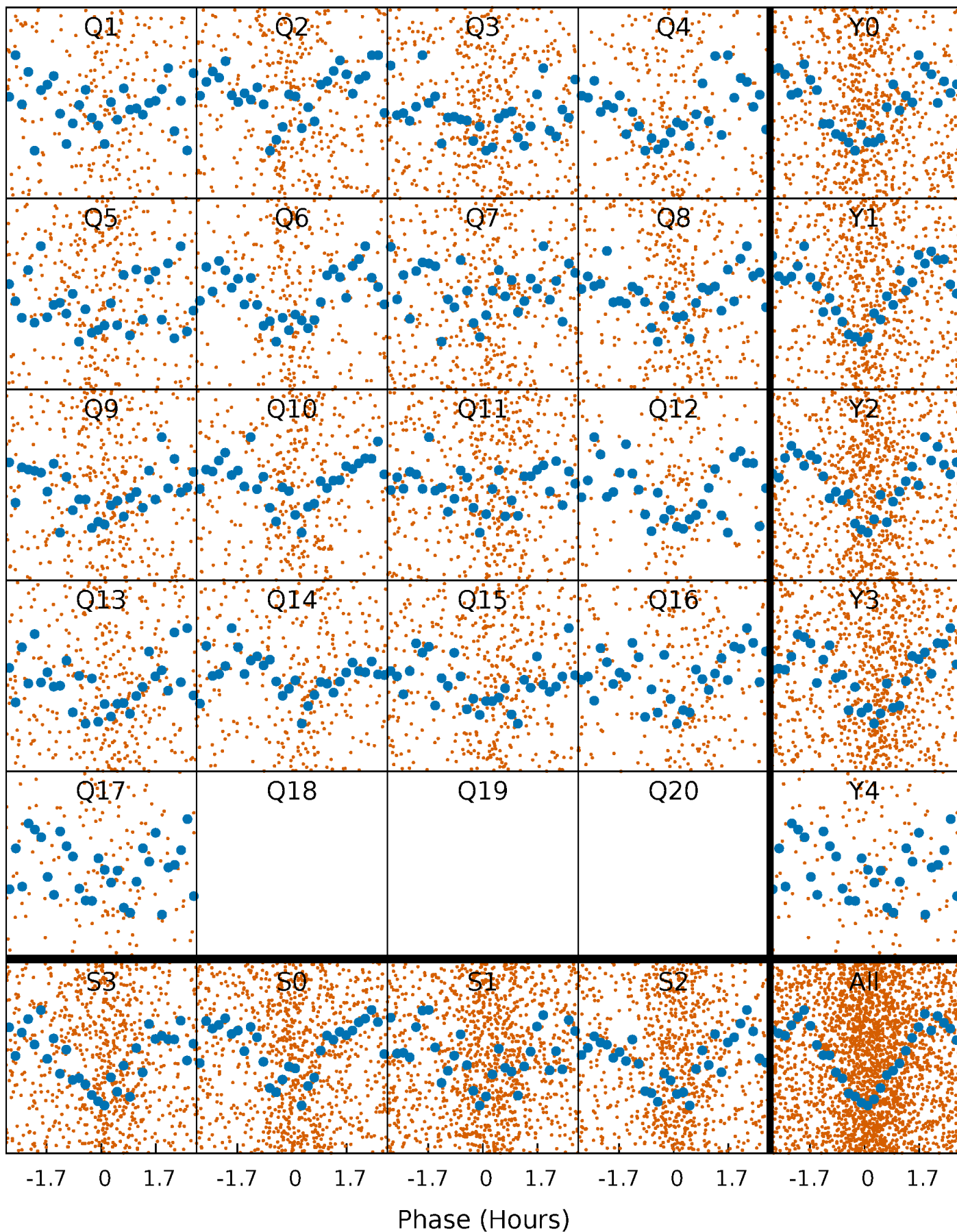


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



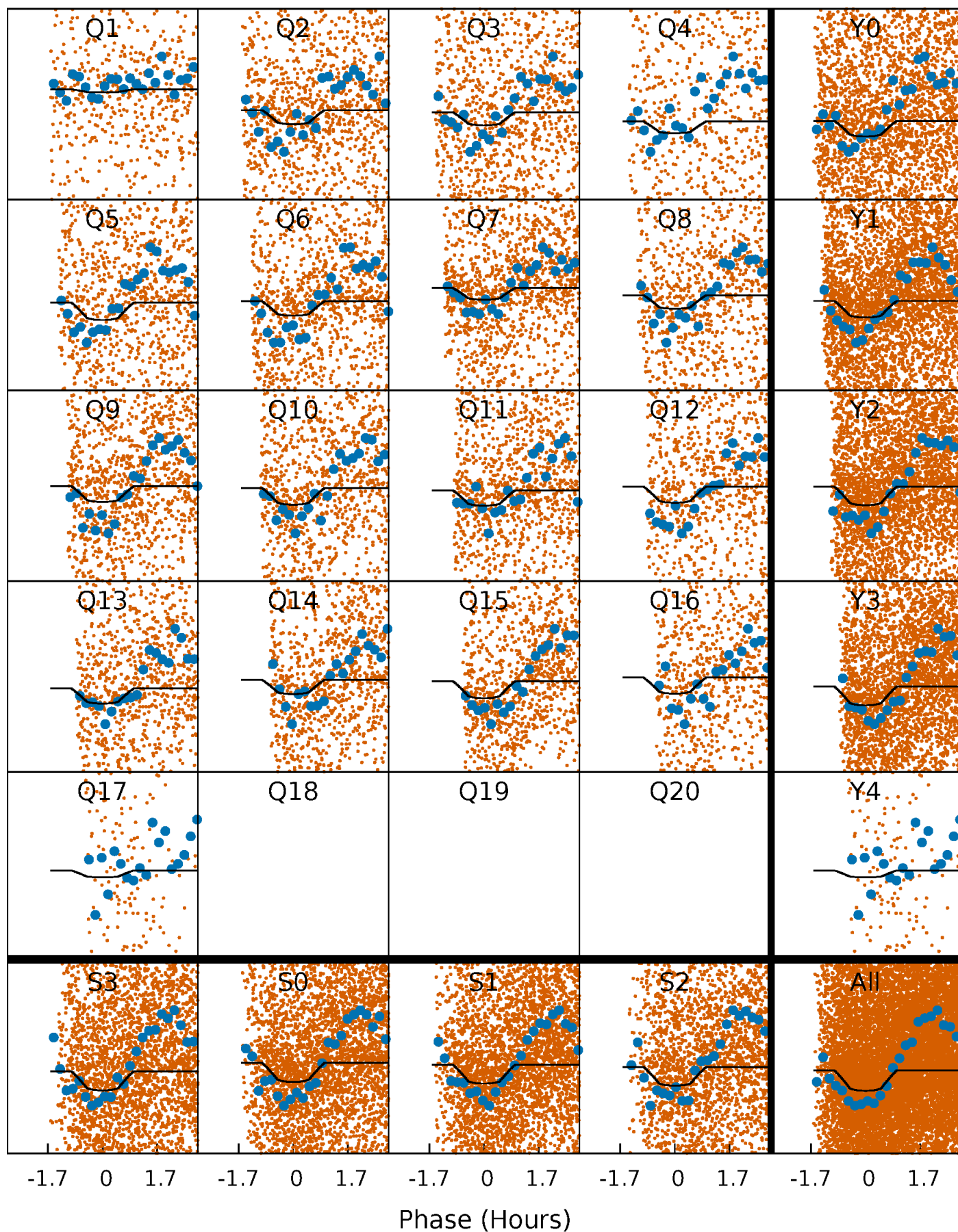
PDC Quarter-Phased Transit Curves

TCE 007269623-02 P= 0.535917 Days $T_0=131.539638$ (BKJD)



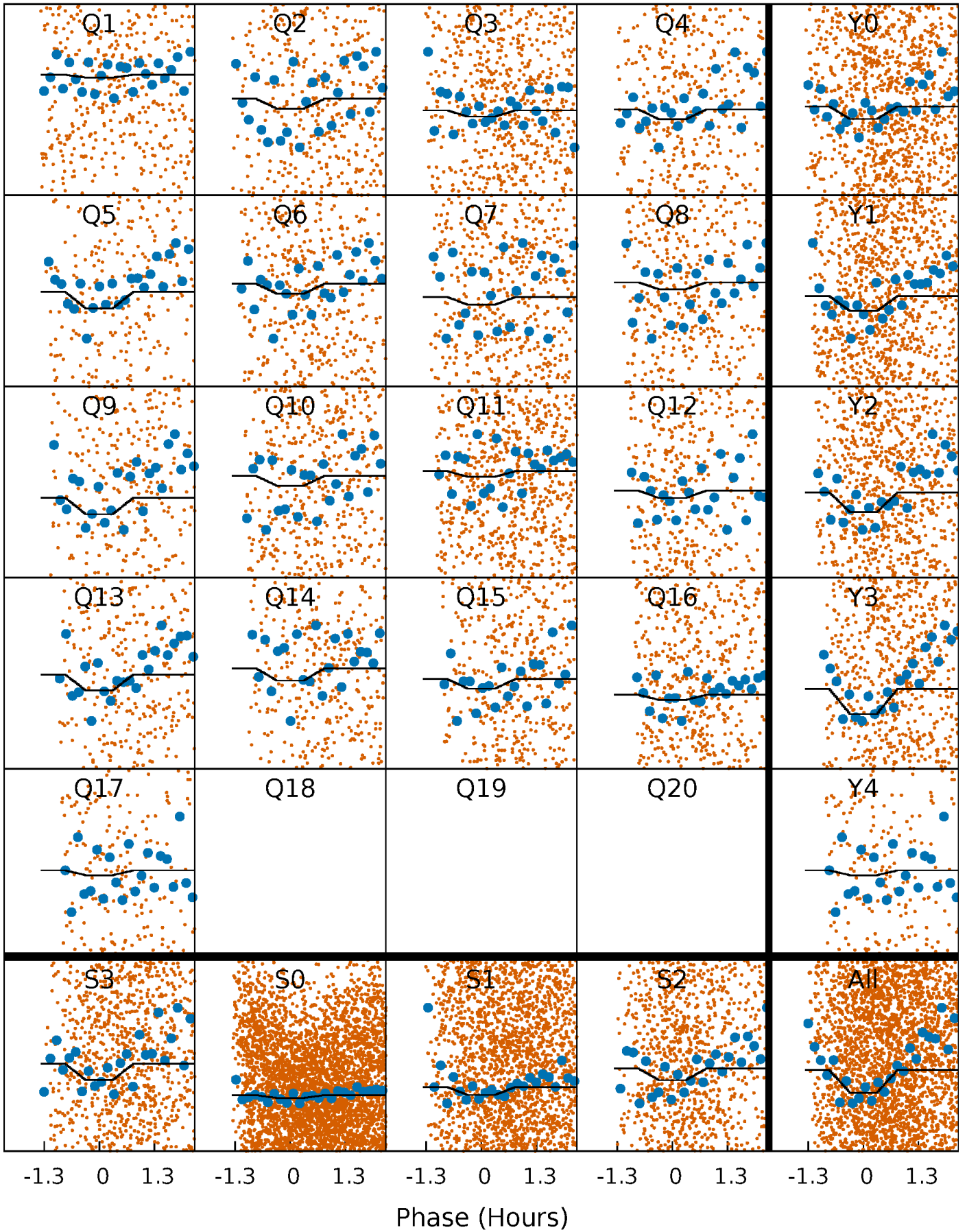
DV Quarter-Phased Transit Curves

TCE 007269623-02 P= 0.535917 Days $T_0=131.539638$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

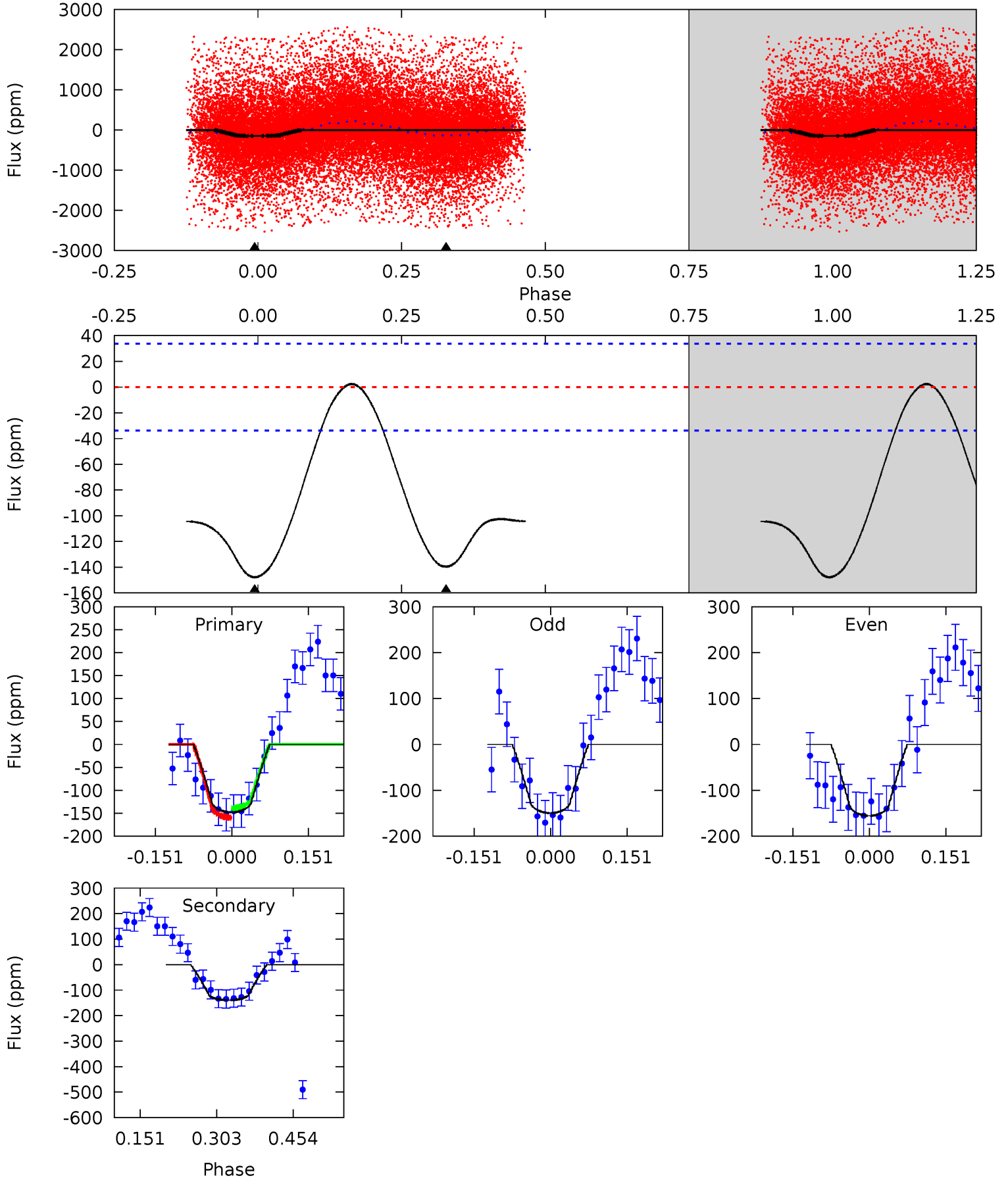
TCE 007269623-02 P= 0.535926 Days $T_0=131.529624$ (BKJD)



DV Model-Shift Uniqueness Test

007269623-02, P = 0.535917 Days, E = 131.003721 Days

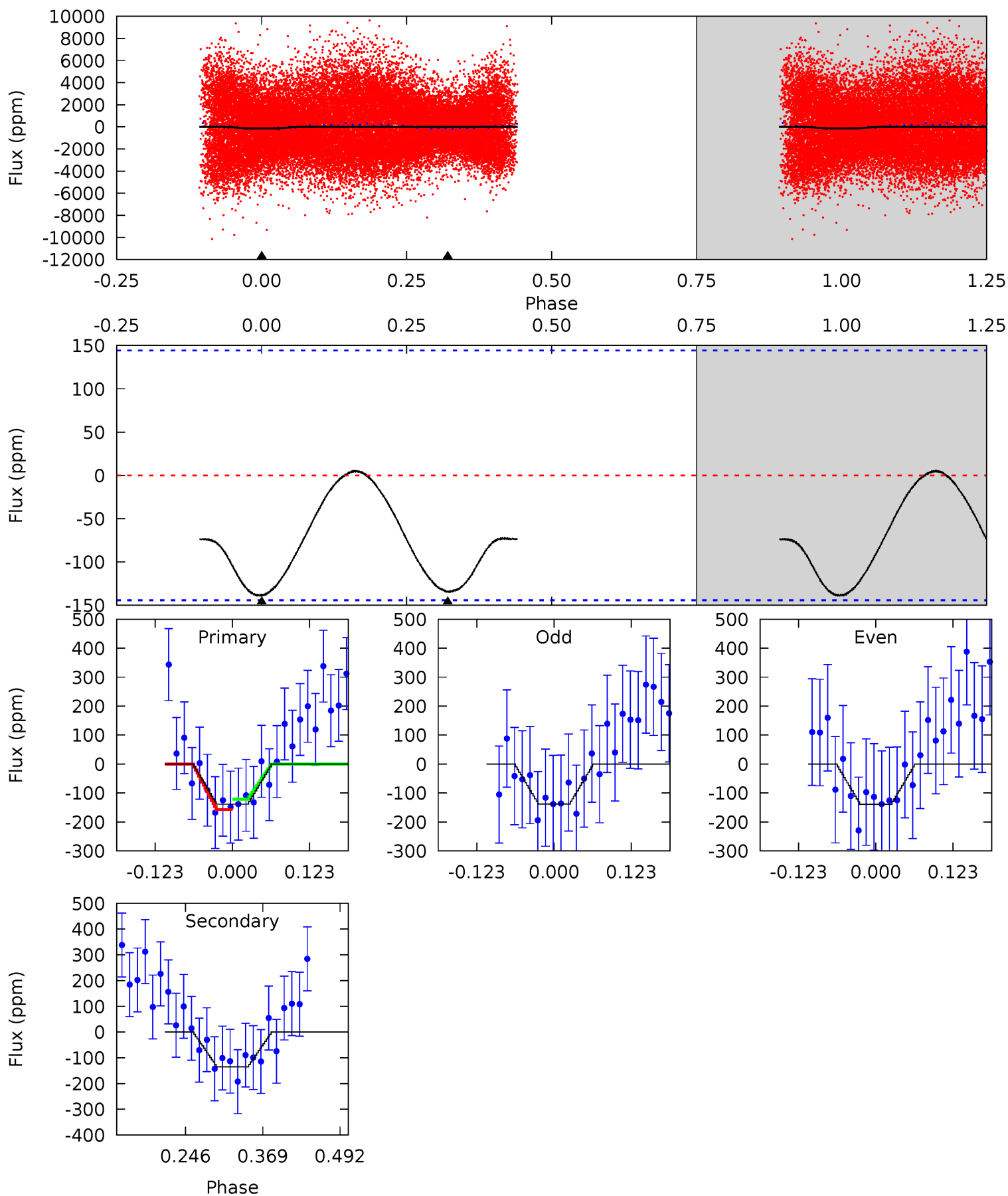
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.6	18.5	0	0	4.48	1.43	0.37	19.6	19.6	18.5	18.5	0.40	1.22	0.02	1.39



Alt Model-Shift Uniqueness Test

007269623-02, P = 0.535926 Days, E = 130.993698 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
4.35	4.22	0	0	4.52	1.54	0.16	4.35	4.35	4.22	4.22	0.01	1.17	0.04	0.51



Stellar Parameters For KIC 007269623

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7149^{+225}_{-300}	$3.496^{+0.594}_{-0.099}$	$-0.020^{+0.250}_{-0.300}$	$4.263^{+0.273}_{-2.453}$	$2.075^{+0.103}_{-0.581}$	$0.038^{+0.282}_{-0.008}$
	+3%/-4%	+17%/-3%	+1250%/-1500%	+6%/-58%	+5%/-28%	+747%/-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 007269623-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-140 ± 8	$3.59^{+1.39}_{-1.37}$	6959^{+406}_{-1029}	7987^{+2574}_{-1415}	$1.576^{+2.364}_{-0.744}$
Alt.	-135 ± 32	$4.70^{+1.36}_{-1.50}$	6916^{+466}_{-855}	6493^{+1526}_{-1302}	$0.877^{+1.037}_{-0.381}$

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 $A_{obs} \gg 1.0$

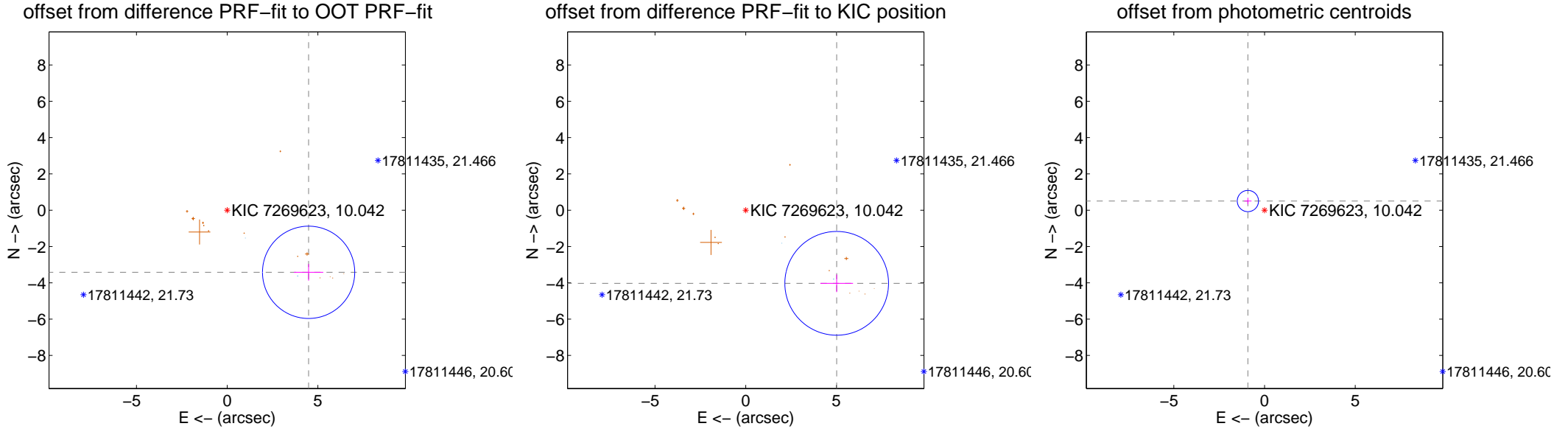
DV Centroid Data

Supplemental centroid analysis for 007269623-02. **Kepler magnitude: 10.04.** Transit SNR 12.84

There are 2 quarters with good PRF difference image offsets

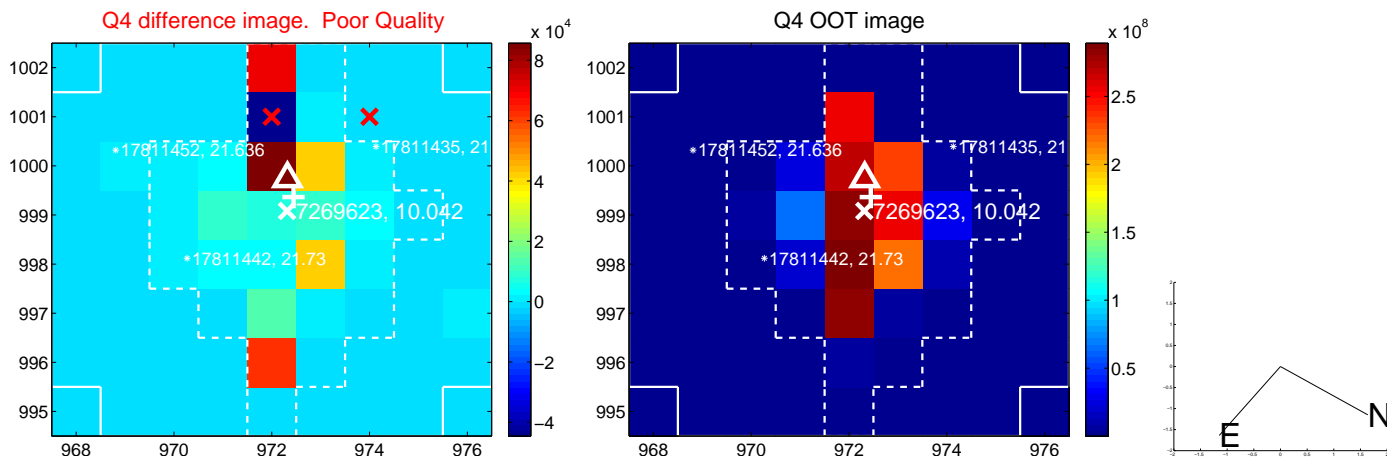
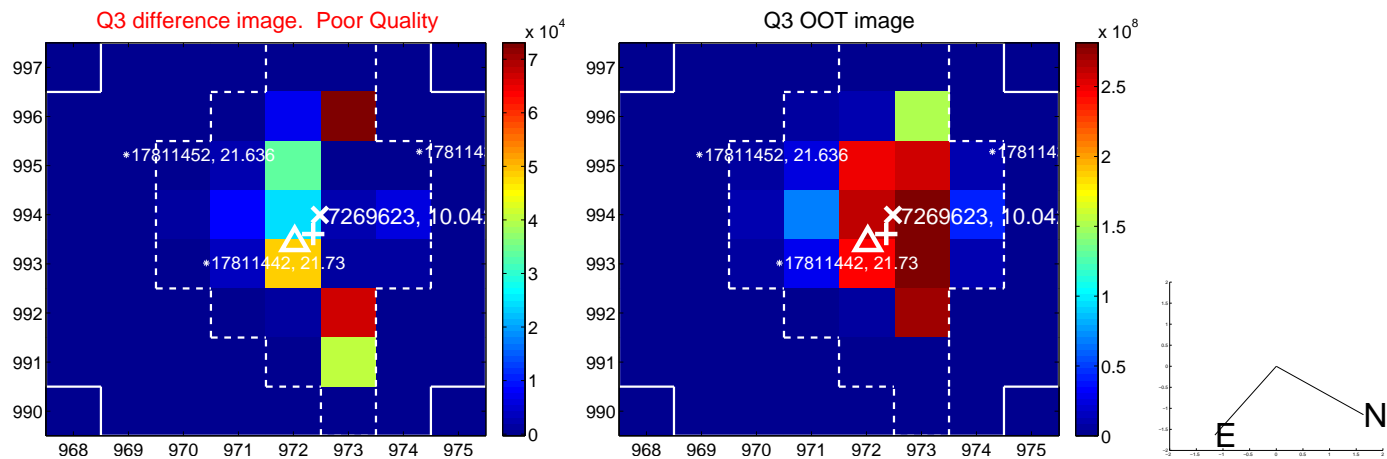
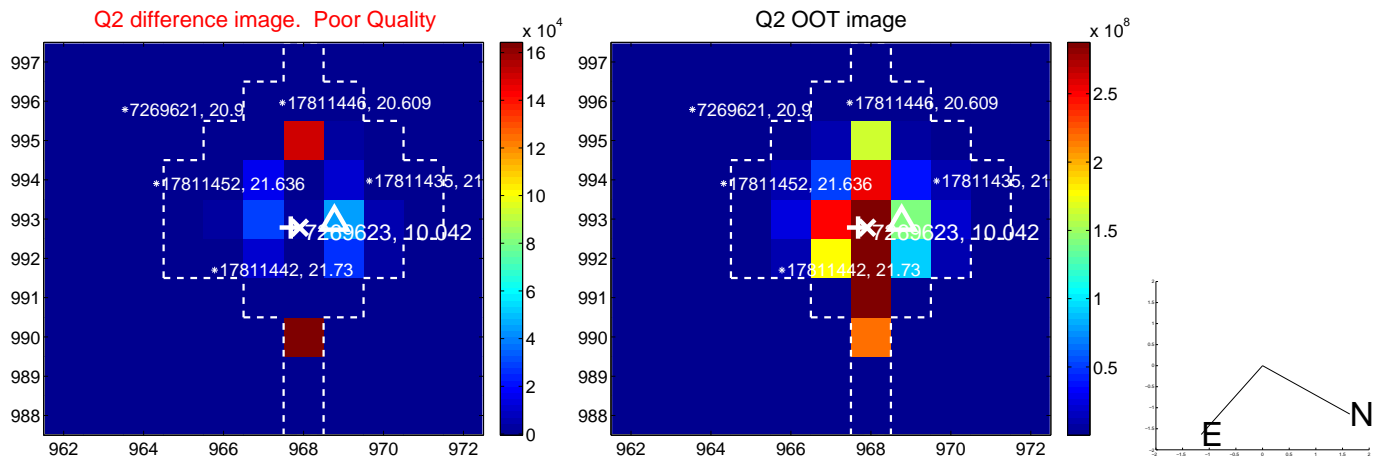
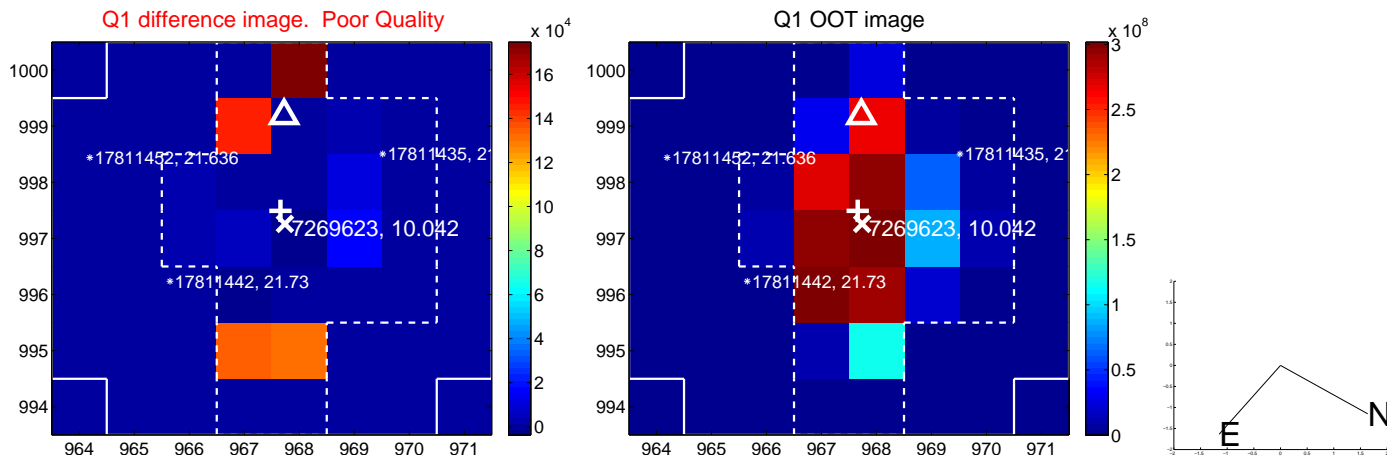
The direct PRF centroid is offset from the target star catalog position by about 1.06 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	5.646 ± 0.848	6.66	-4.490 ± 0.811	-3.422 ± 0.457
PRF-fit source offset from KIC position	6.434 ± 0.953	6.75	-5.016 ± 0.904	-4.030 ± 0.484
photometric centroid source offset	1.05 ± 0.20	5.36	0.92 ± 0.20	0.51 ± 0.18

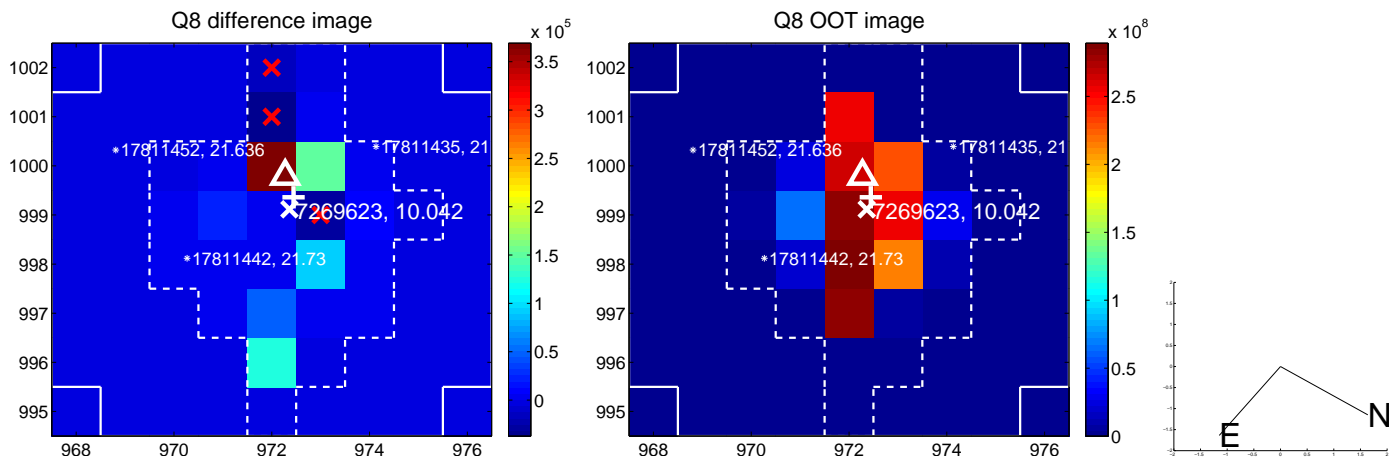
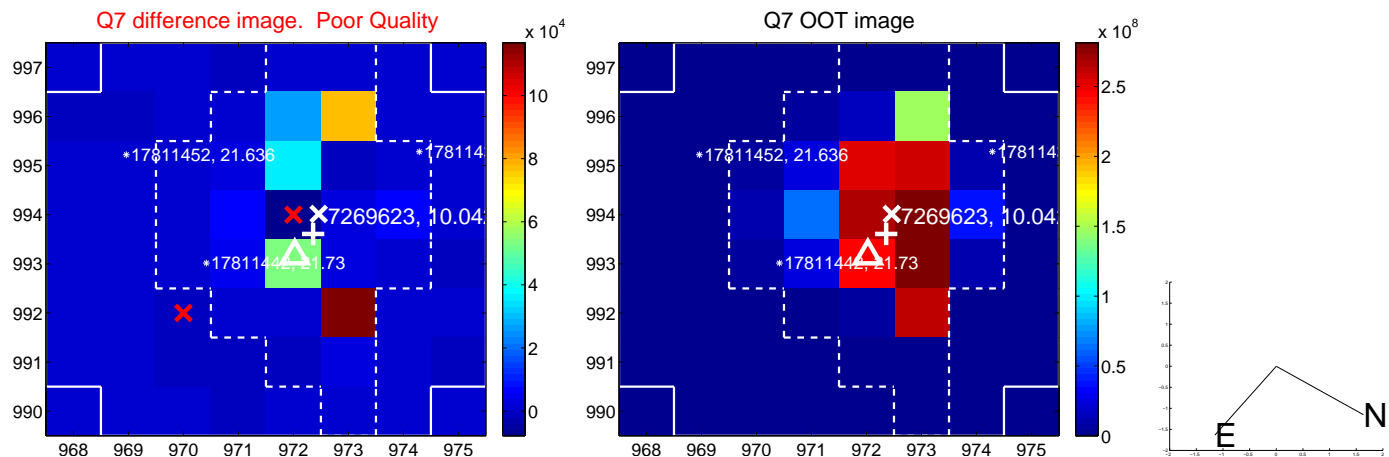
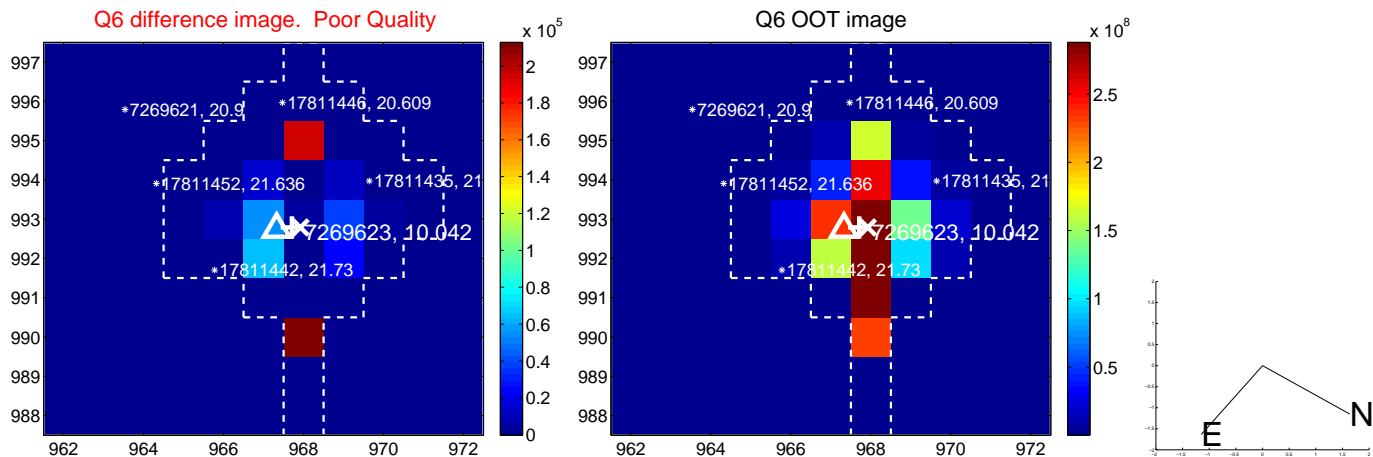
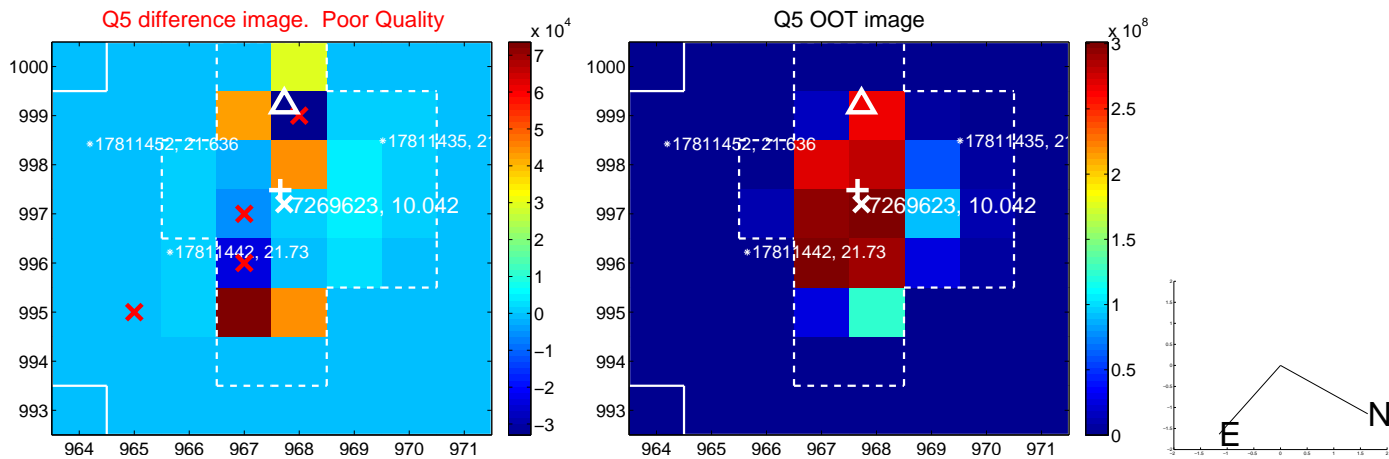


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

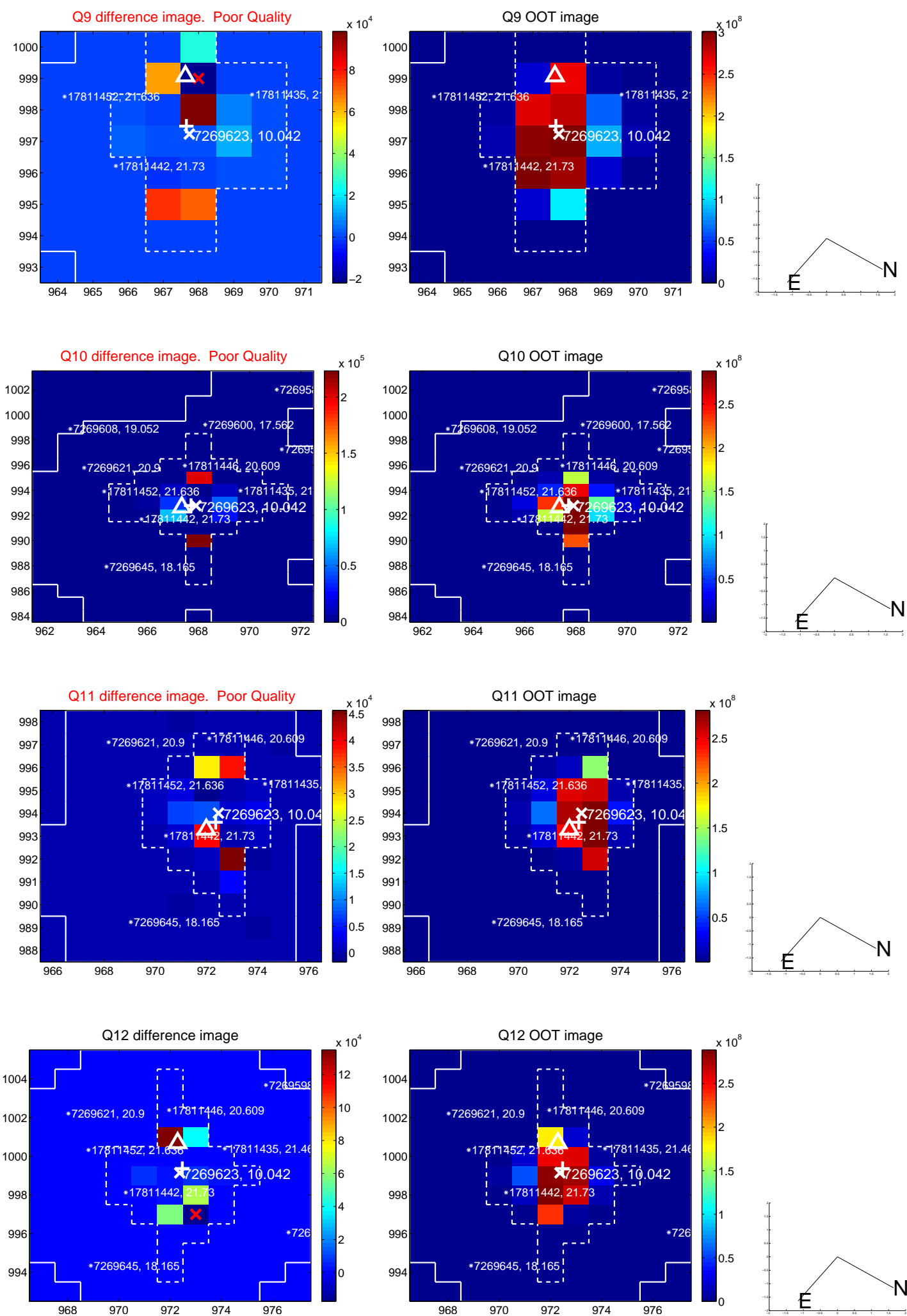
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



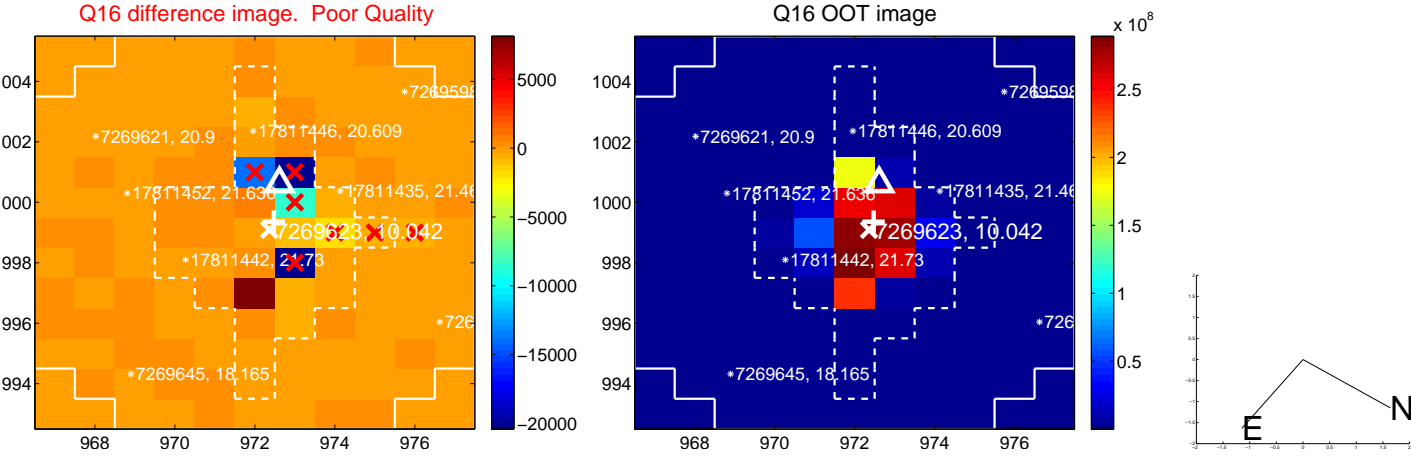
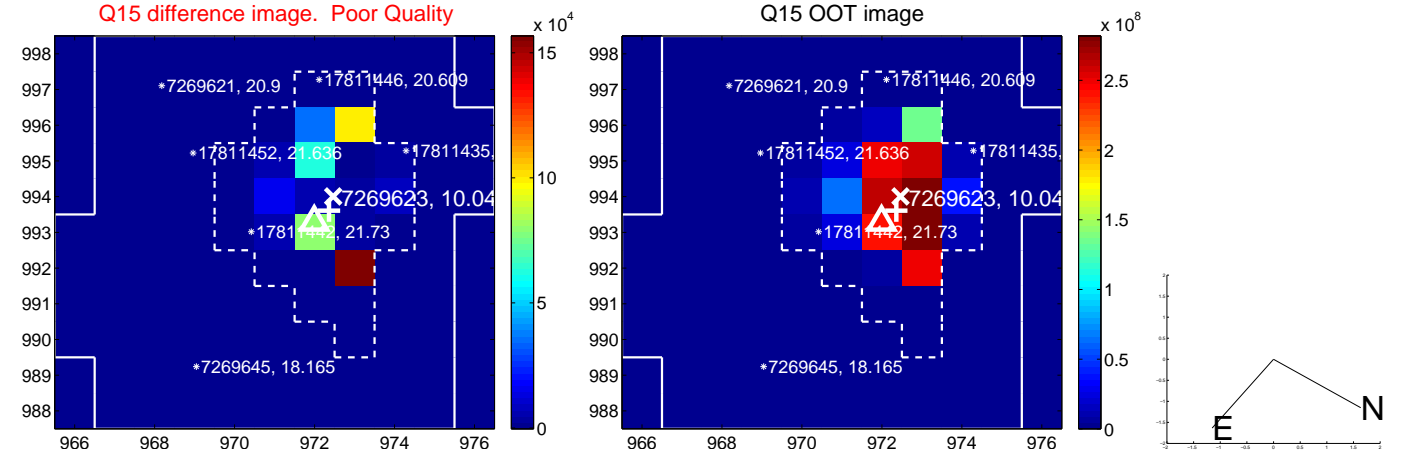
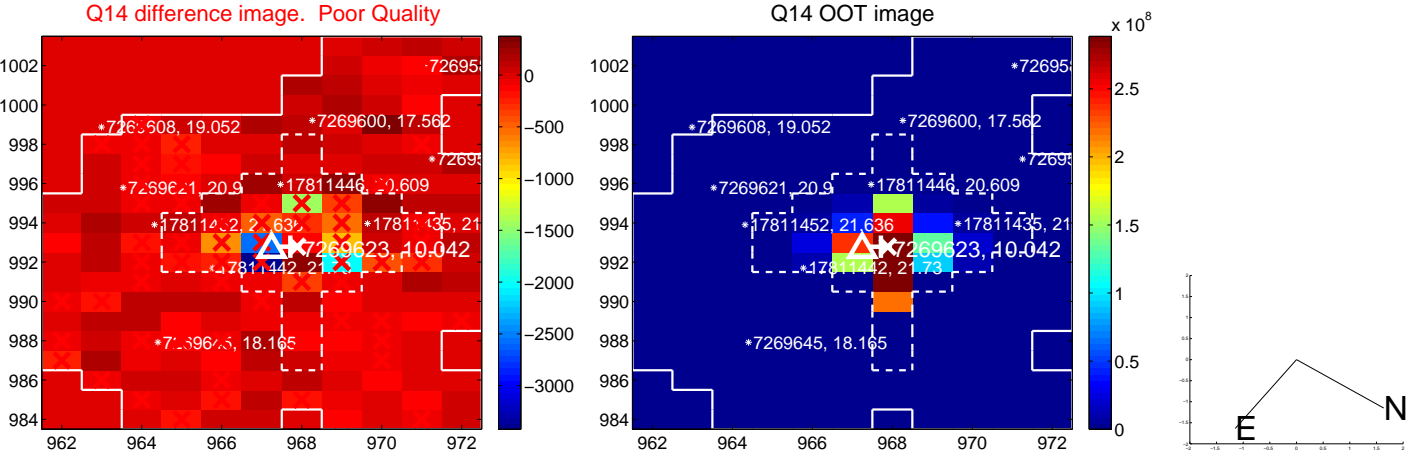
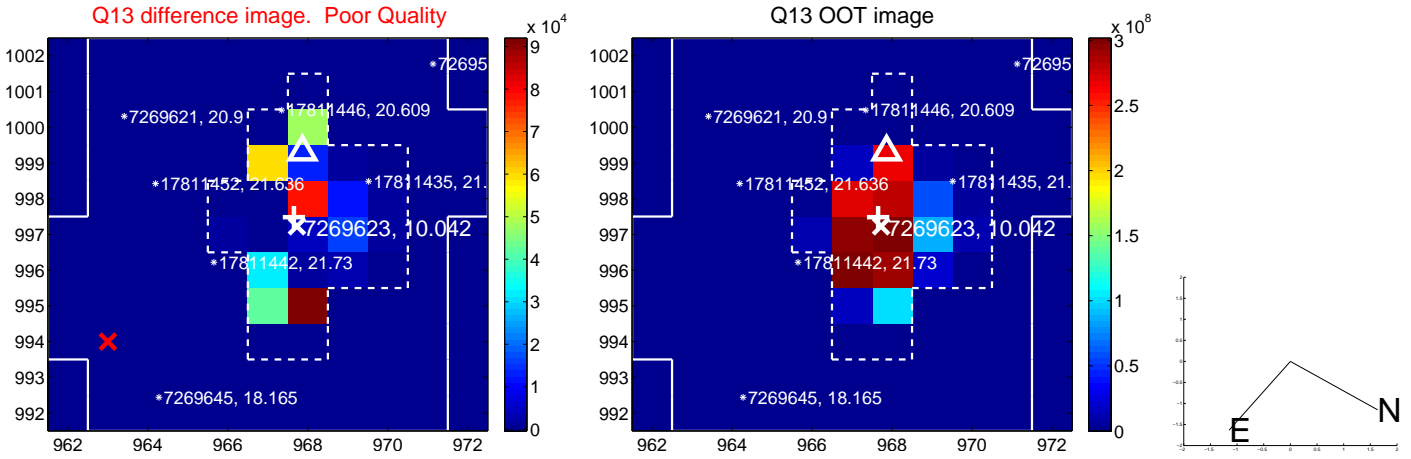
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



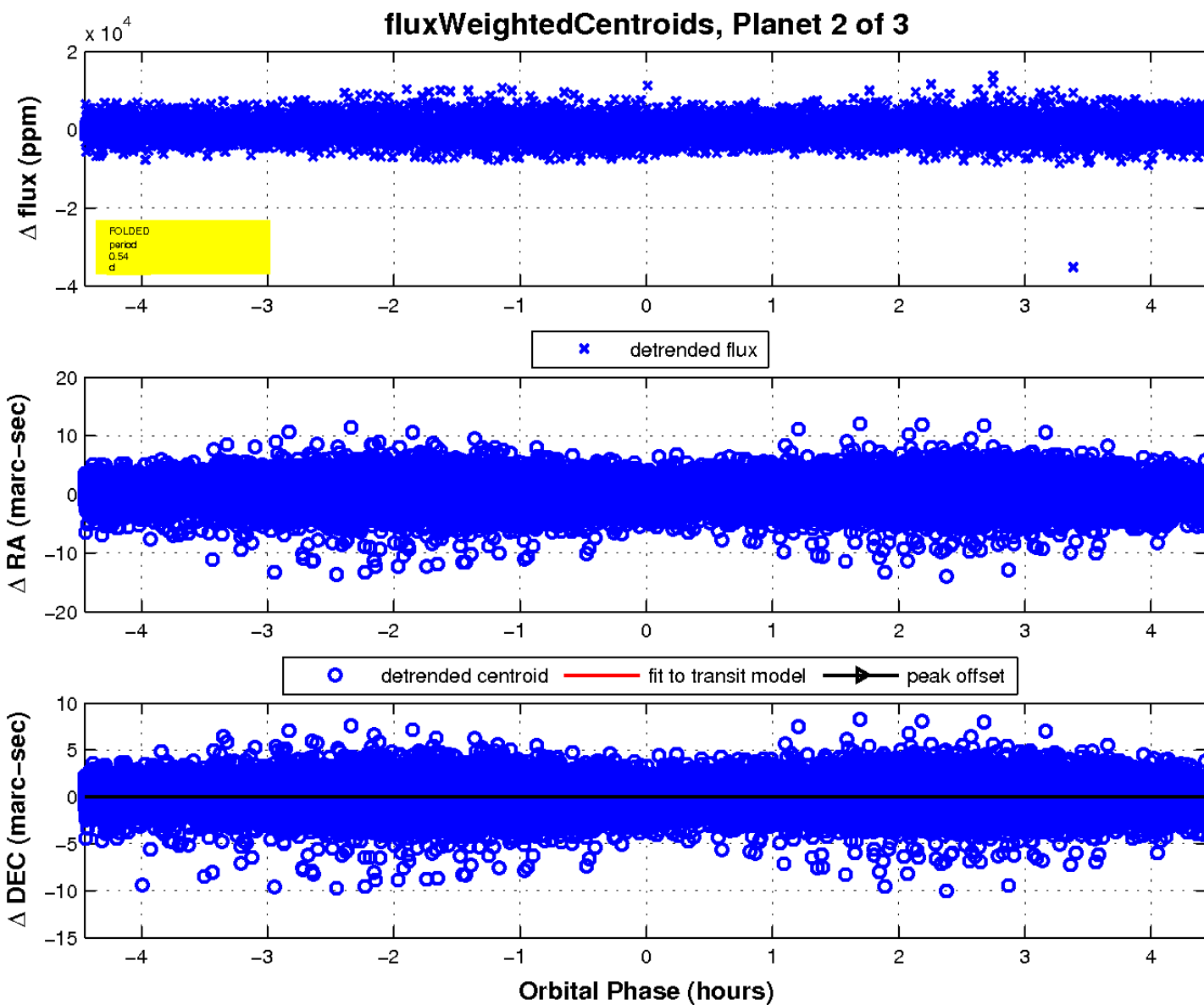
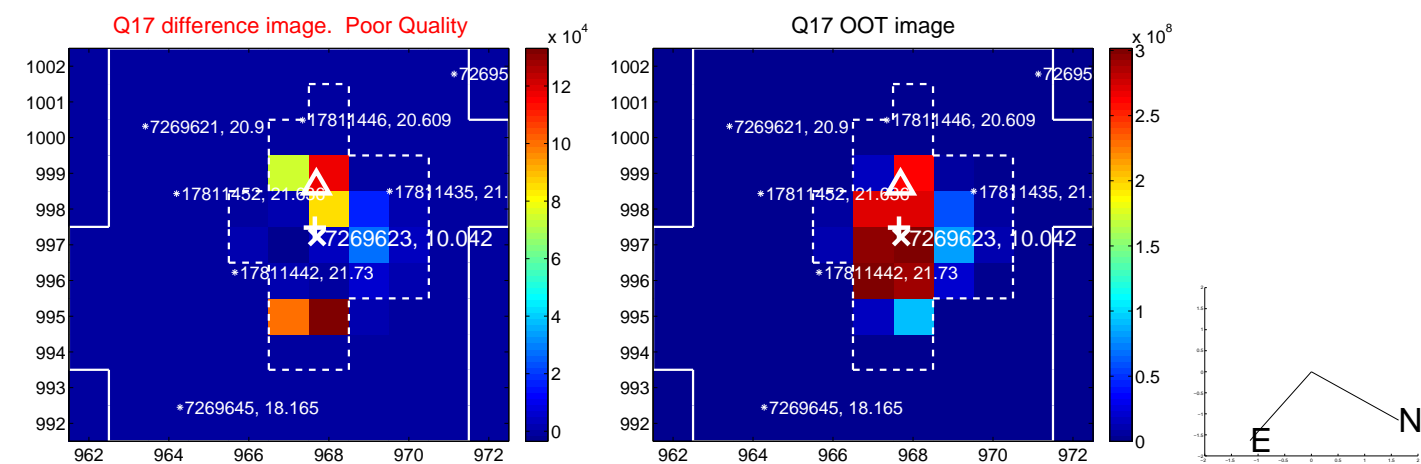
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

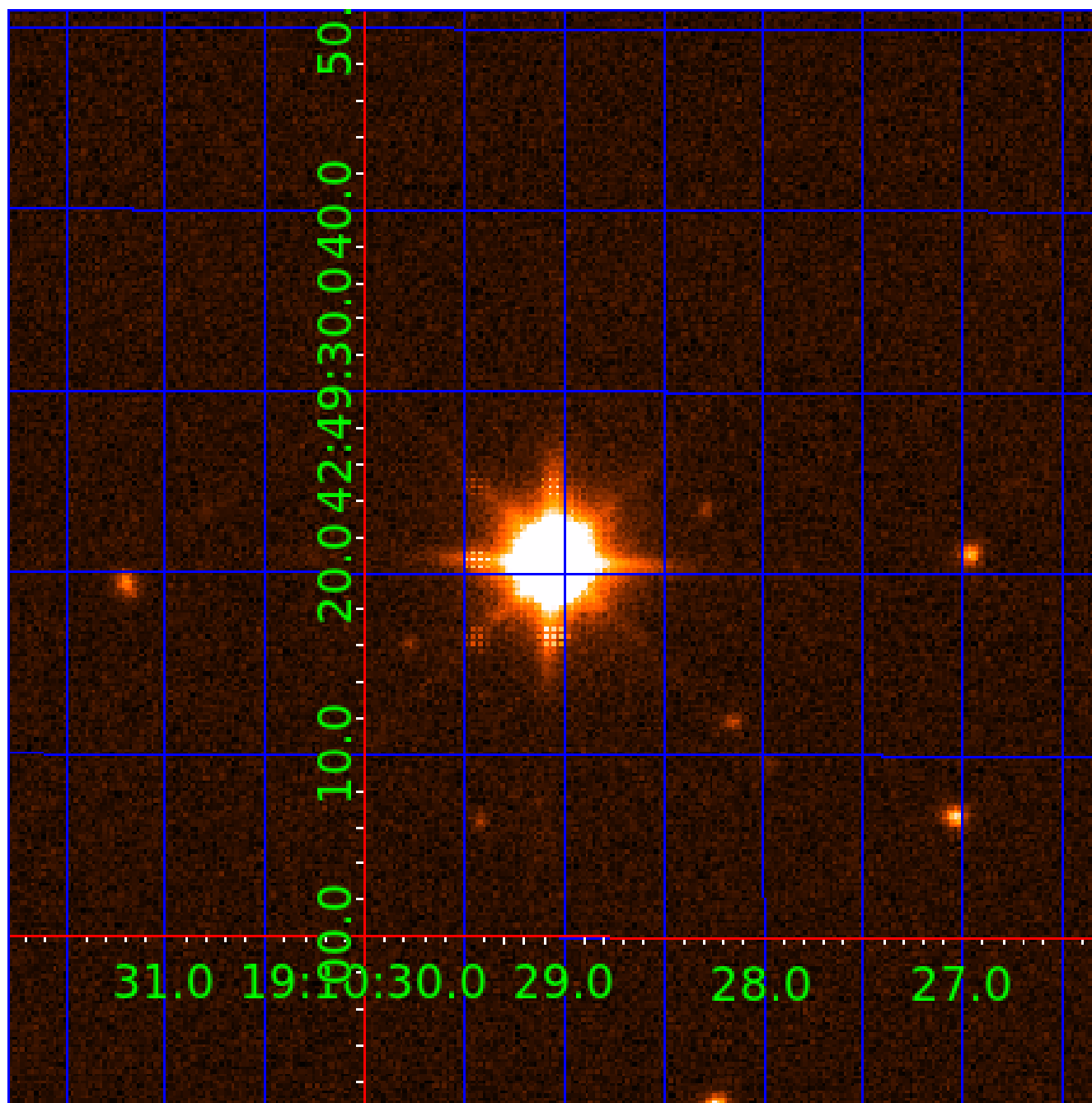


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 007269623

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})
007269623-01	OBS	No	0.535934	131.876720	43.8	1.933	9.8	10.4	4.26	7149	3.28	0.00
007269623-02	OBS	No	0.535917	131.539638	86.4	1.483	14.3	12.8	4.26	7149	4.02	0.00
007269623-03	OBS	No	0.535930	131.697623	148.4	1.768	16.5	18.7	4.26	7149	5.36	0.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007269623-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—CENT_SATURATED
007269623-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_SATURATED
007269623-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD—CENT_SATURATED

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

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

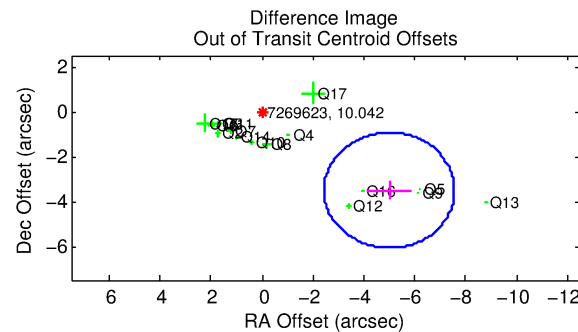
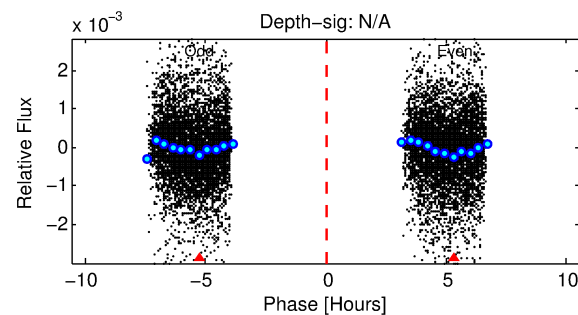
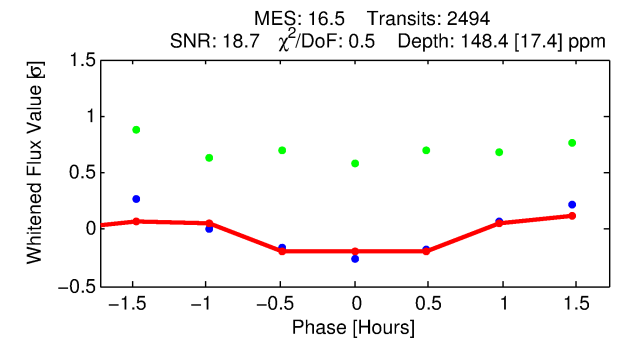
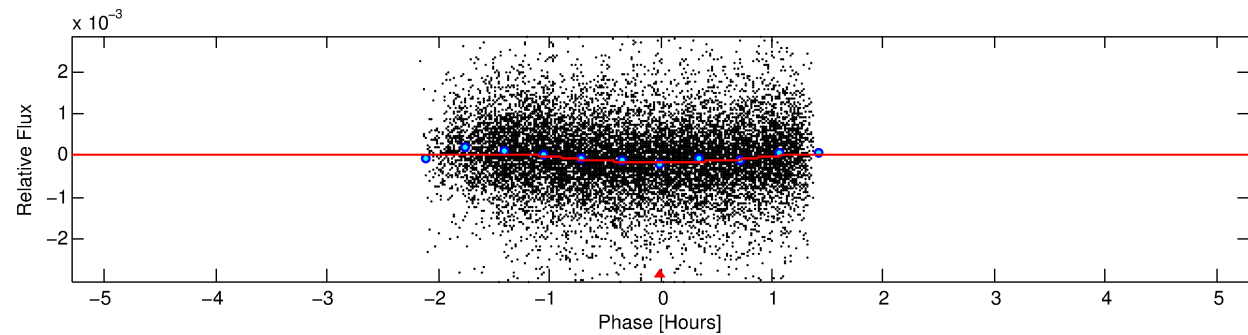
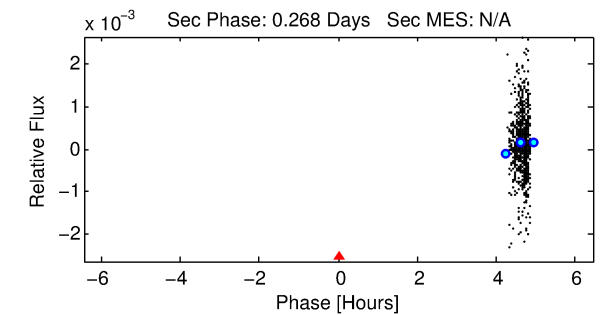
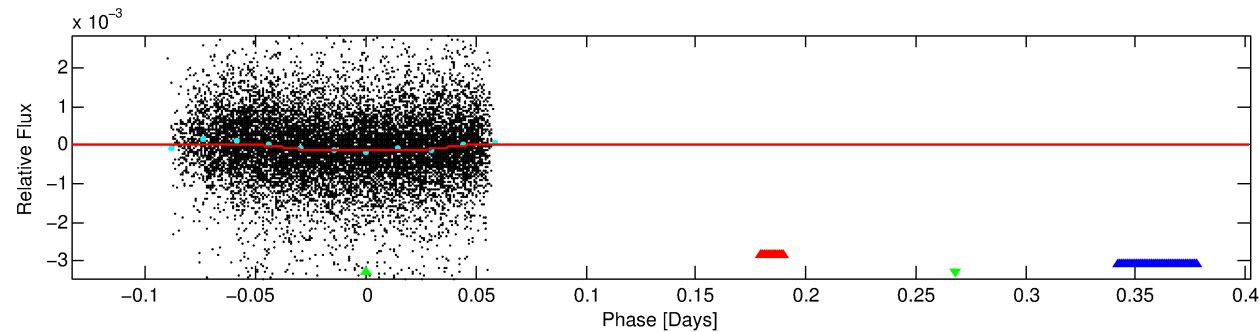
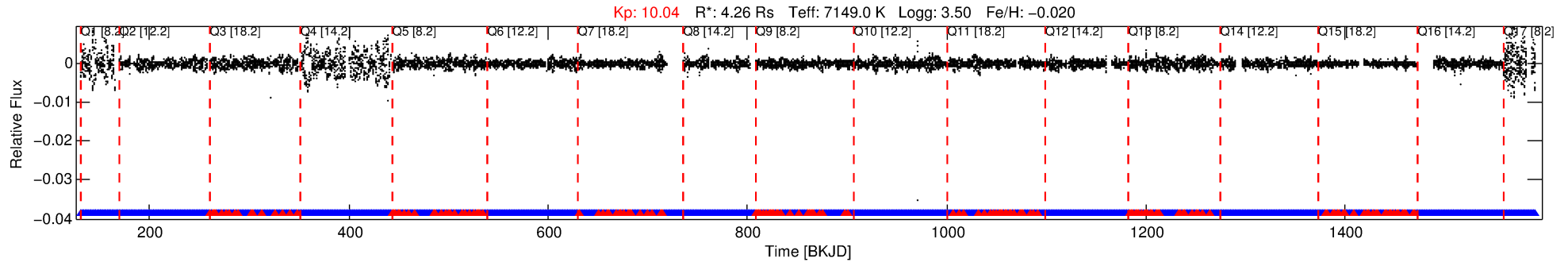
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007269623-03

No Significant Match Found

DV One-Page Summary

KIC: 7269623 Candidate: 3 of 3 Period: 0.536 d



DV Fit Results:

Period = 0.53593 [0.00001] d
Epoch = 131.6976 [0.0006] BKJD
Rp/R* = 0.0115 [0.0018]
a/R* = 2.24 [1.52]
b = 0.42 [1.67]
Seff = N/A
Teq = N/A
Rp = 5.35 [3.19] Re
a = N/A

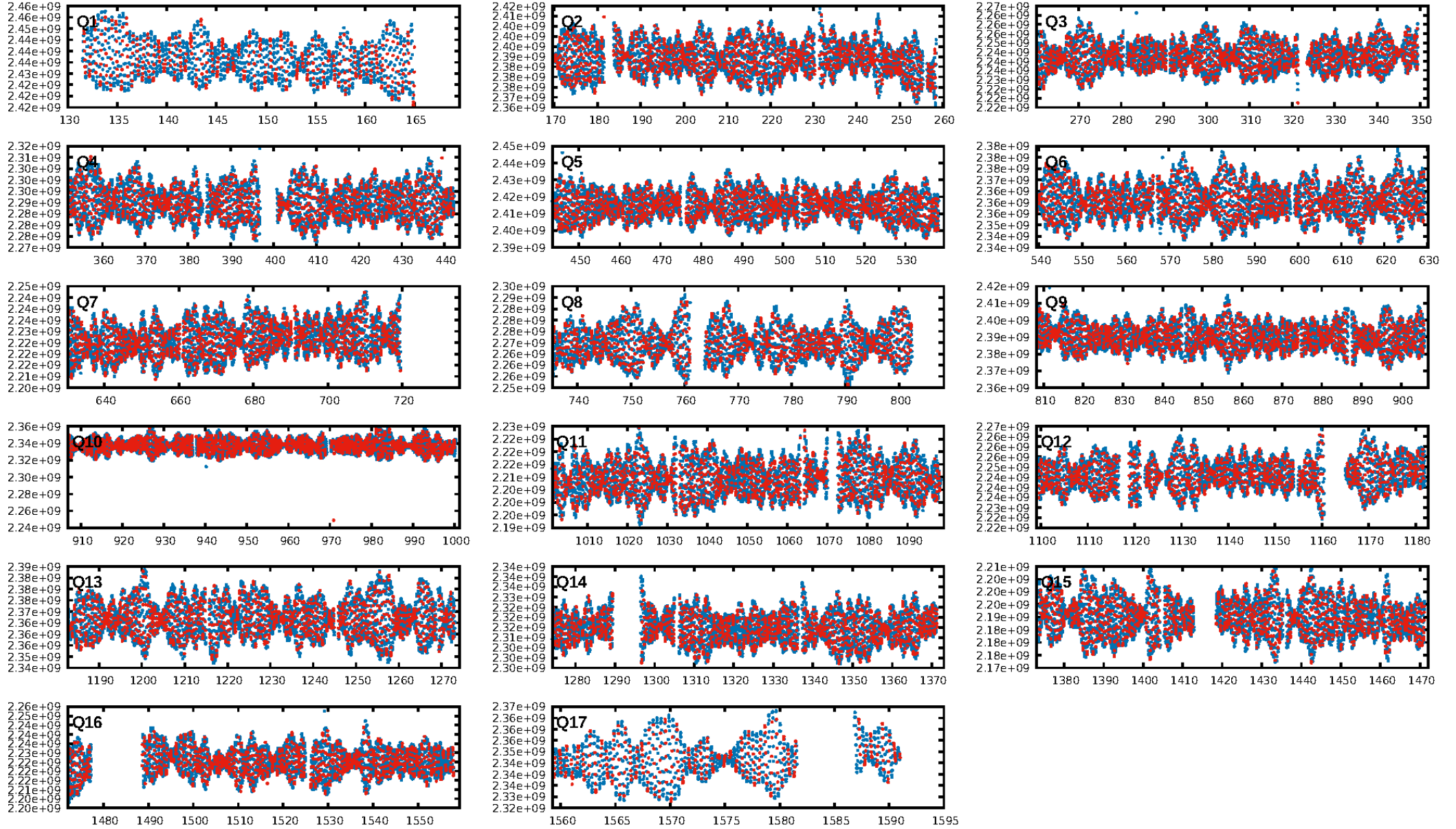
DV Diagnostic Results:

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: 0.93 [2204/2381]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: 0.715 arcsec [6.15 σ]
OotOffset-rm: 6.112 arcsec [7.14 σ]
KicOffset-rm: 7.164 arcsec [6.32 σ]
OotOffset-st: 4/4/4 [16]
KicOffset-st: 4/4/4 [16]
DiffImageQuality-fgm: 0.12 [2/16]
DiffImageOverlap-fno: 0.00 [0/17]

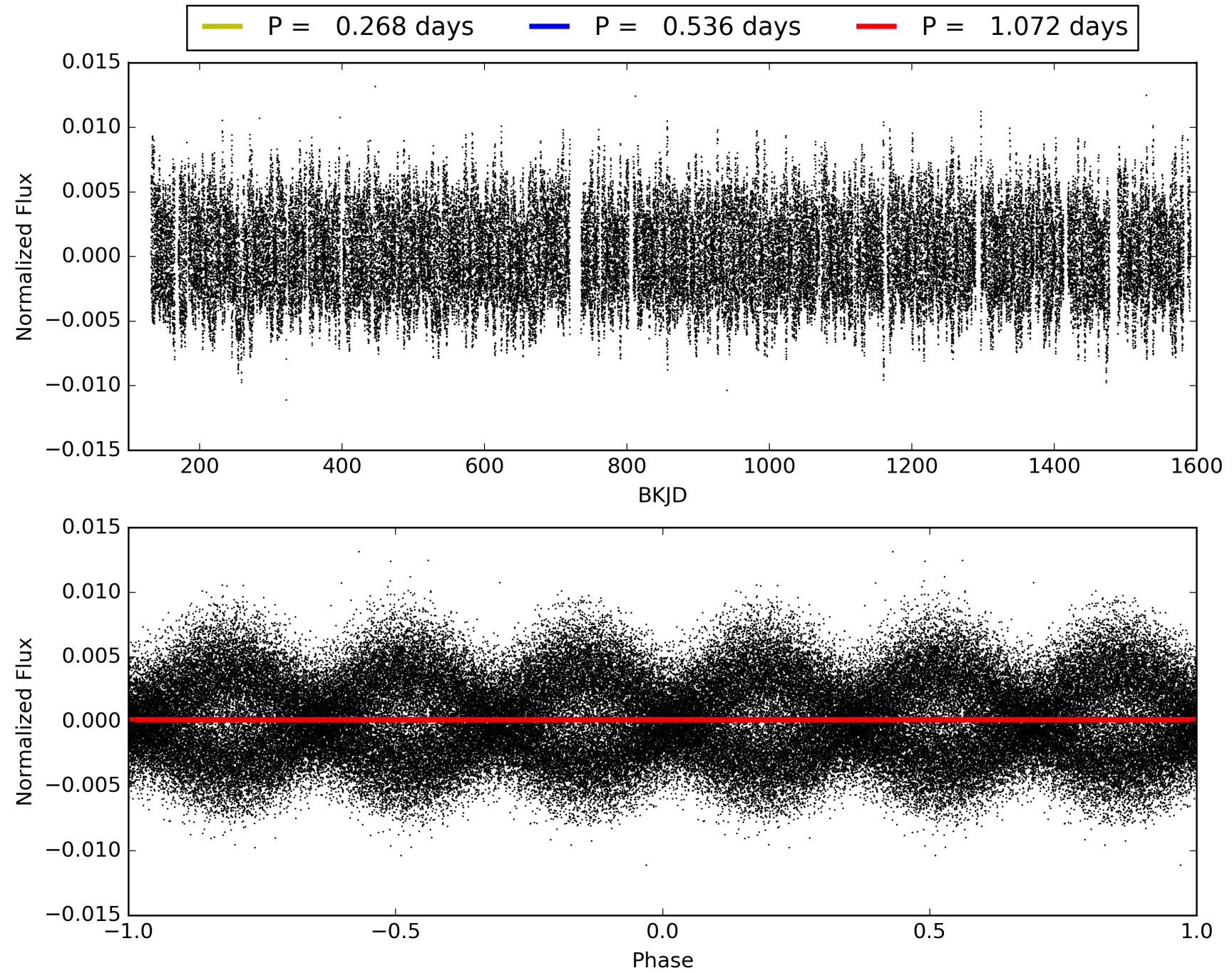
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 00:49:31 Z

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

TCE 007269623-03, PDC Light Curves

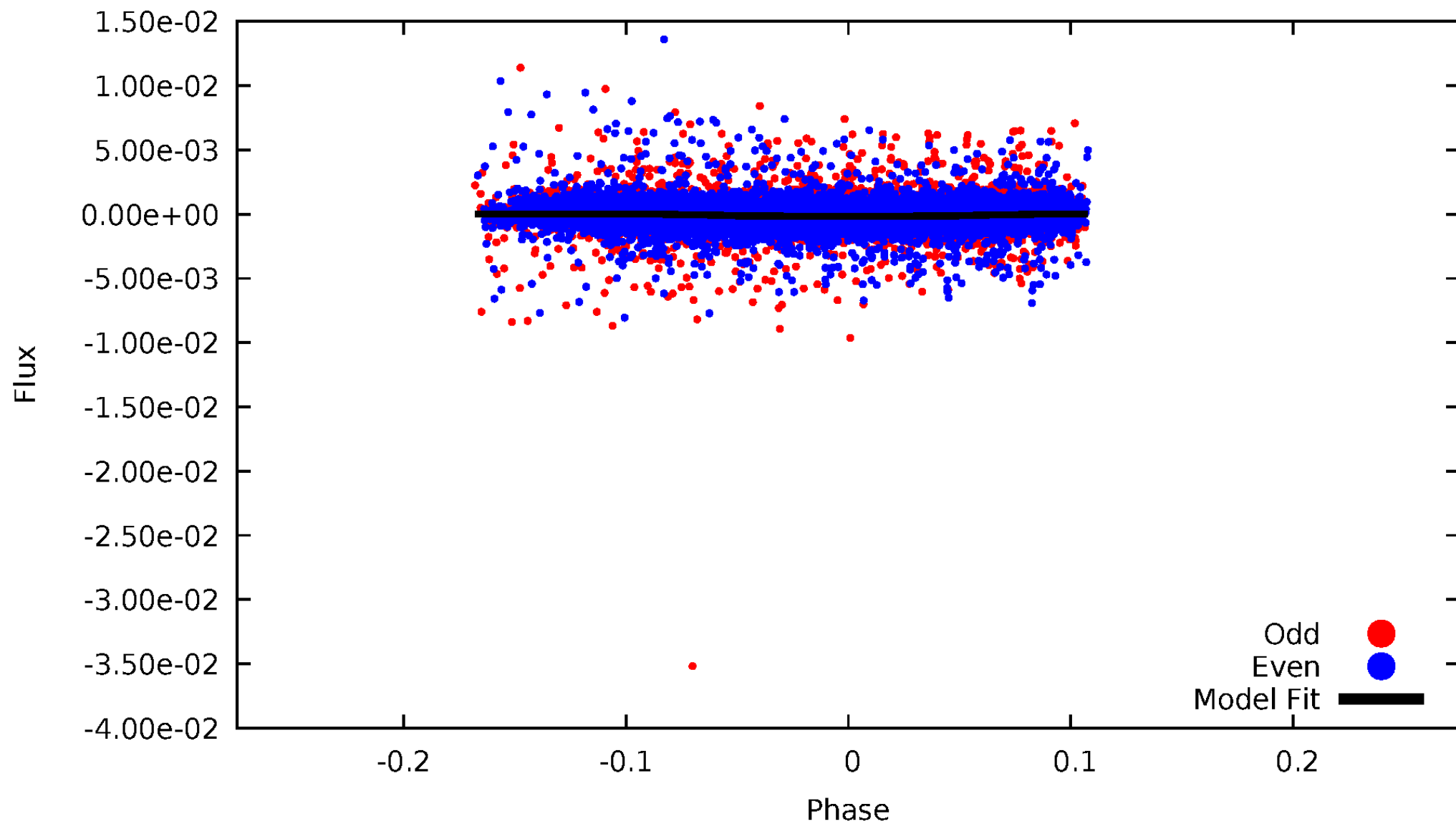


TCE 007269623-03



DV Odd/Even

TCE 007269623-03

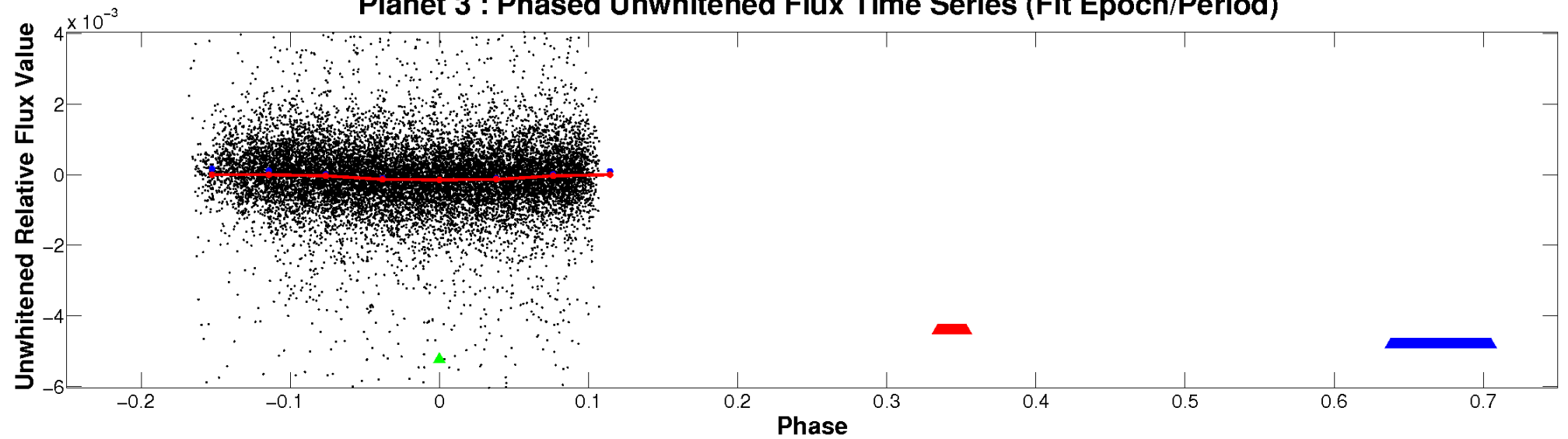


ALT Odd/Even

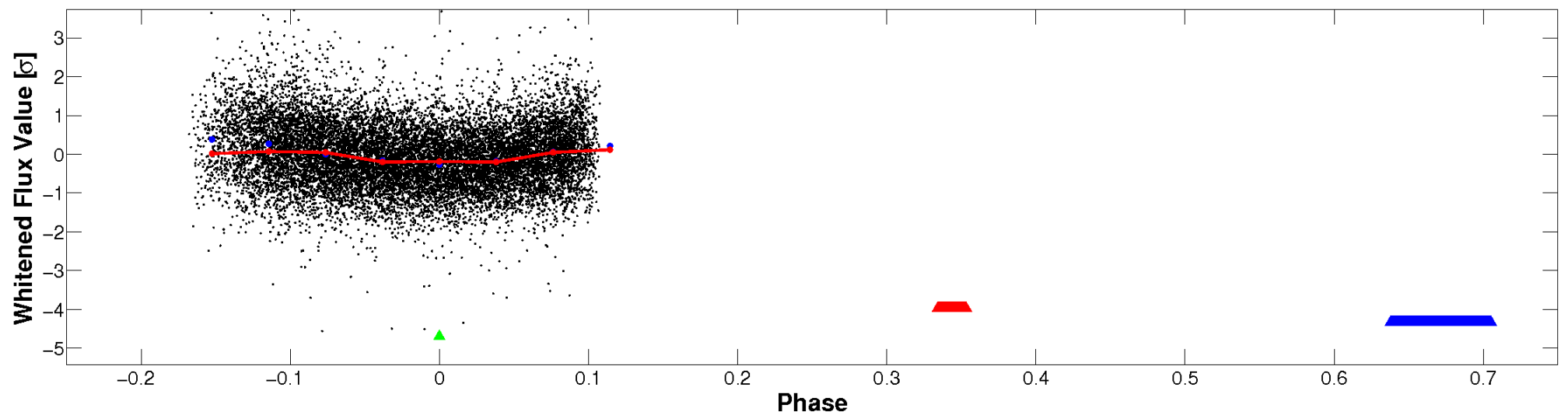
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

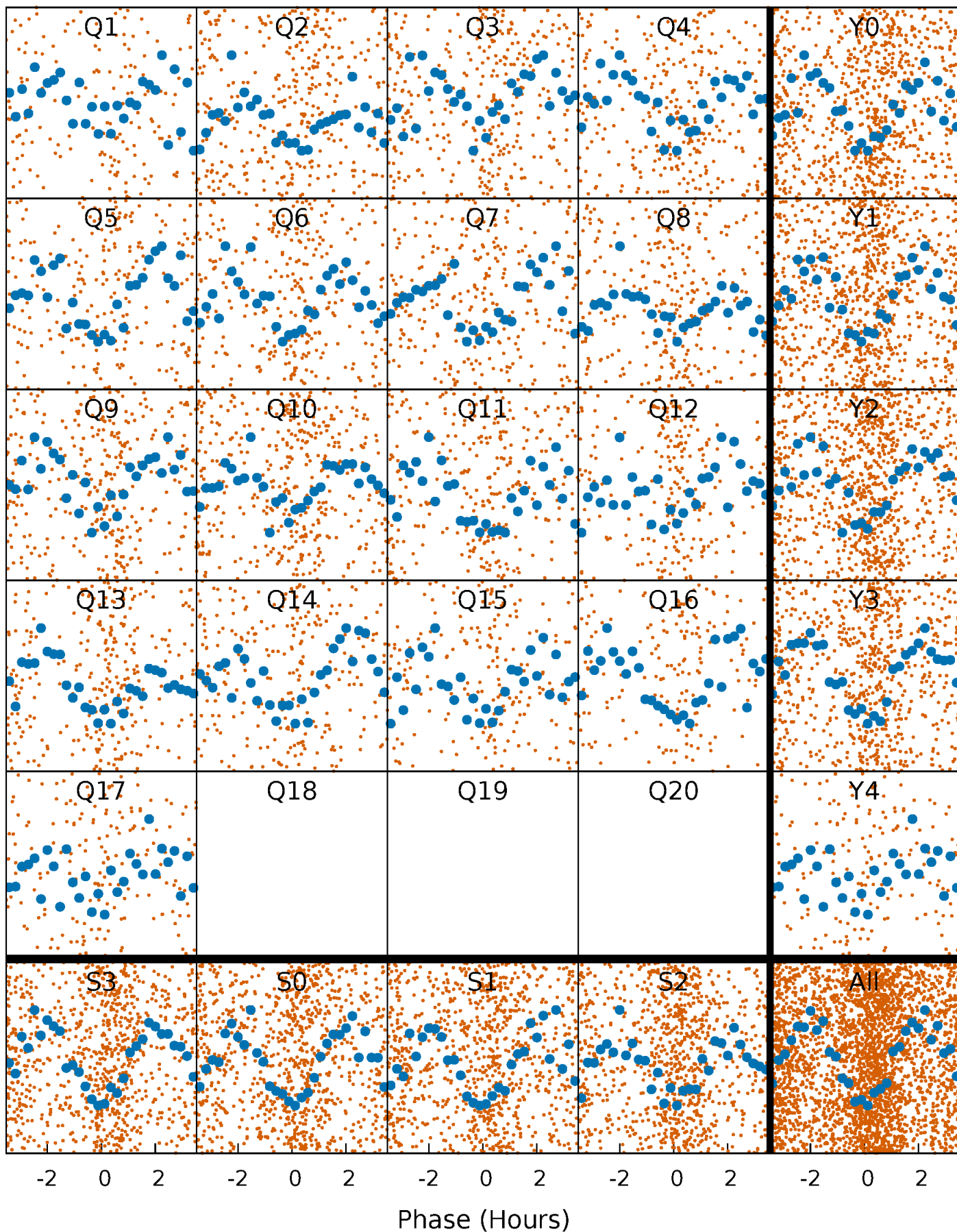


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



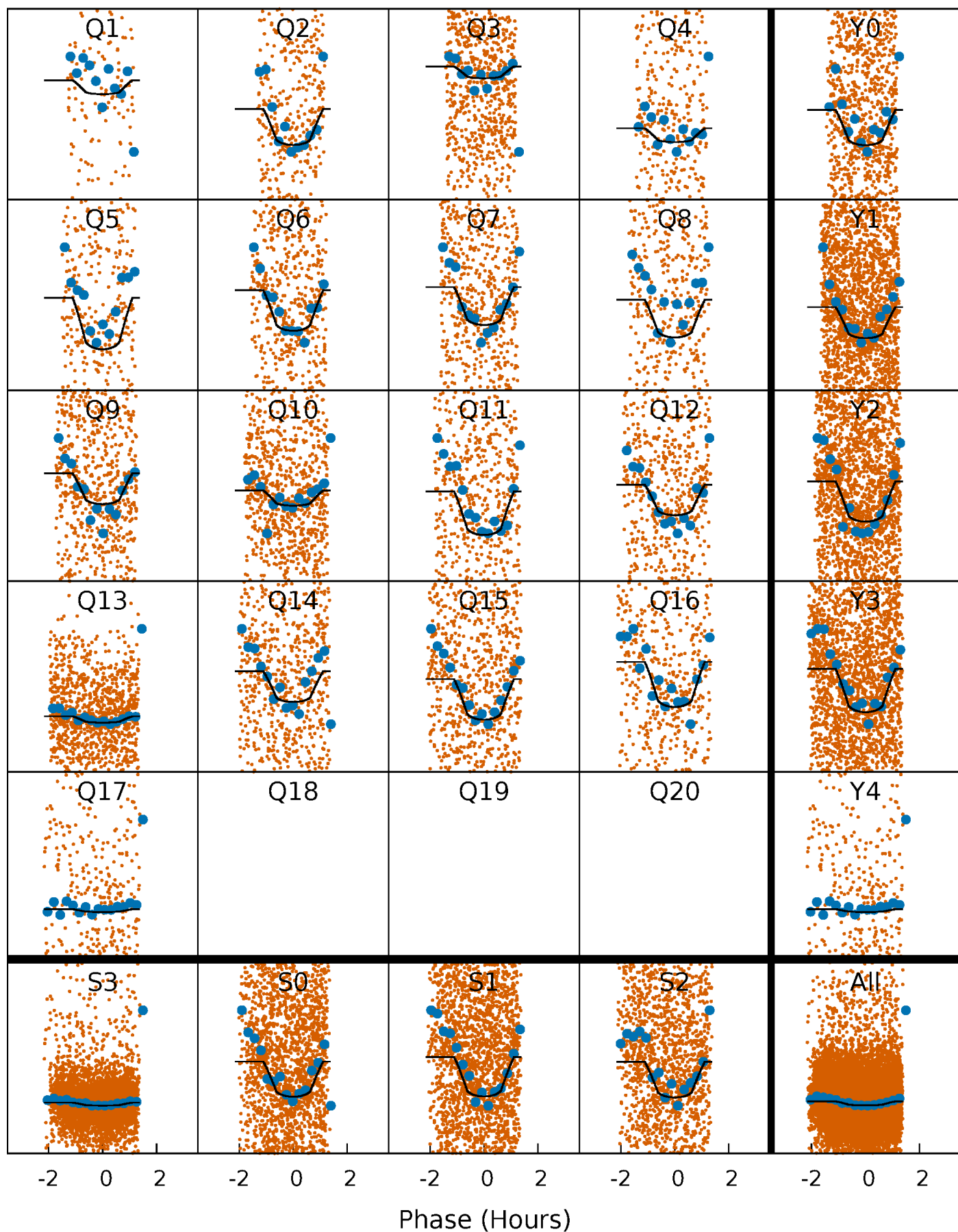
PDC Quarter-Phased Transit Curves

TCE 007269623-03 P= 0.535930 Days $T_0=131.697623$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 007269623-03 P= 0.535930 Days $T_0=131.697623$ (BKJD)

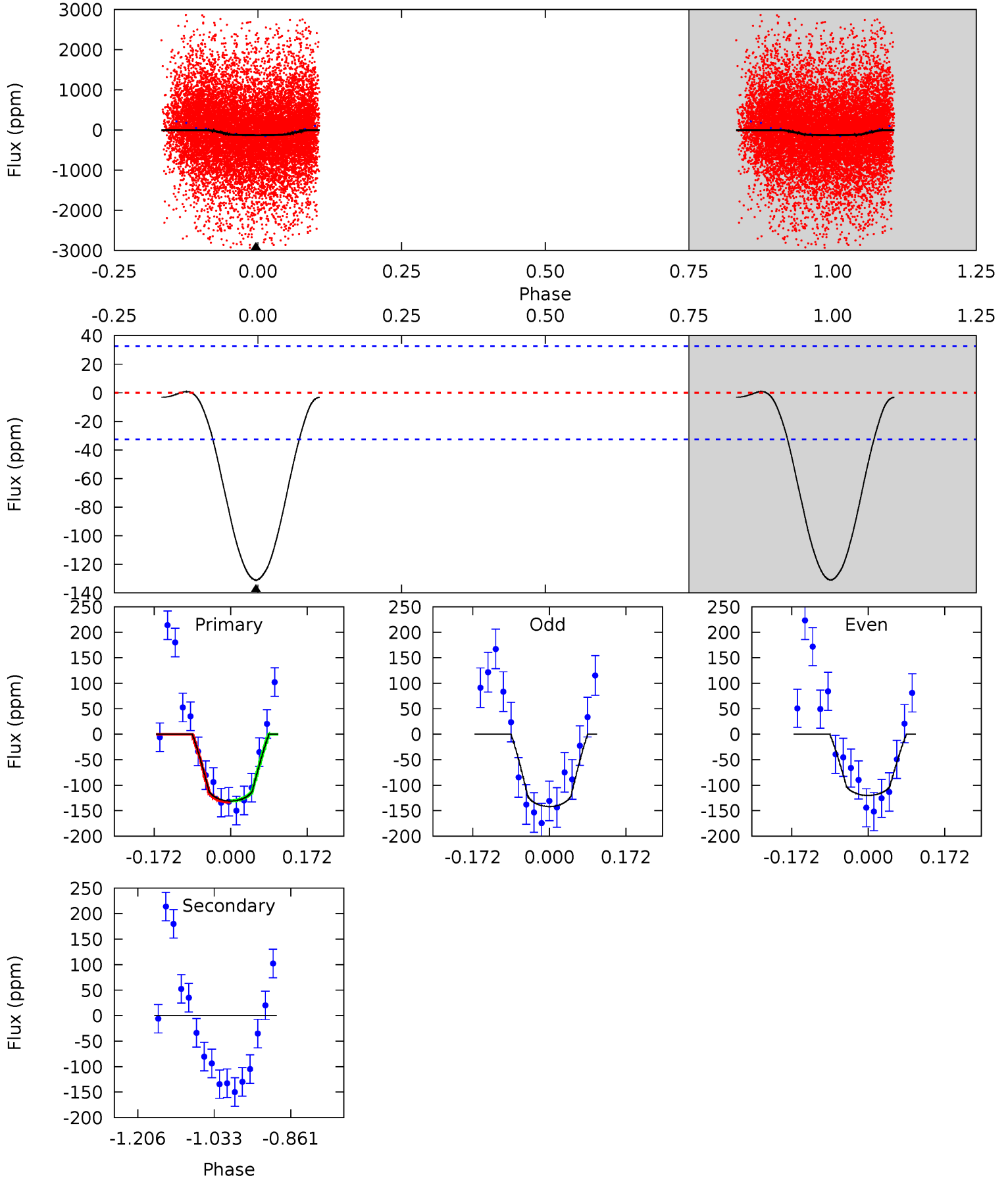


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

007269623-03, P = 0.535930 Days, E = 131.161693 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
17.9	0	0	0	4.45	1.37	0.15	17.9	17.9	0	0	1.52	1.13	0.01	0.18



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 007269623

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7149^{+225}_{-300}	$3.496^{+0.594}_{-0.099}$	$-0.020^{+0.250}_{-0.300}$	$4.263^{+0.273}_{-2.453}$	$2.075^{+0.103}_{-0.581}$	$0.038^{+0.282}_{-0.008}$
	+3%/-4%	+17%/-3%	+1250%/-1500%	+6%/-58%	+5%/-28%	+747%/-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 007269623-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 7	$4.90^{+1.12}_{-1.41}$	6935^{+414}_{-887}	-5612^{+646}_{-401}	$-0.001^{+0.046}_{-0.049}$
Alt.	N/A	N/A	N/A	N/A	N/A

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

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

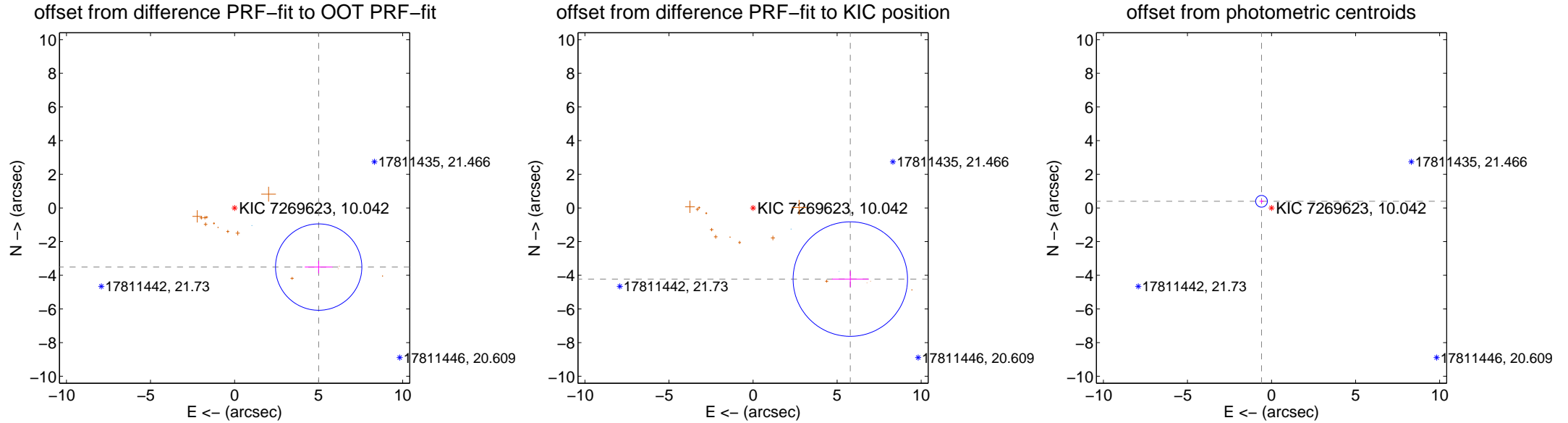
DV Centroid Data

Supplemental centroid analysis for 007269623-03. **Kepler magnitude: 10.04.** Transit SNR 18.67

There are 2 quarters with good PRF difference image offsets

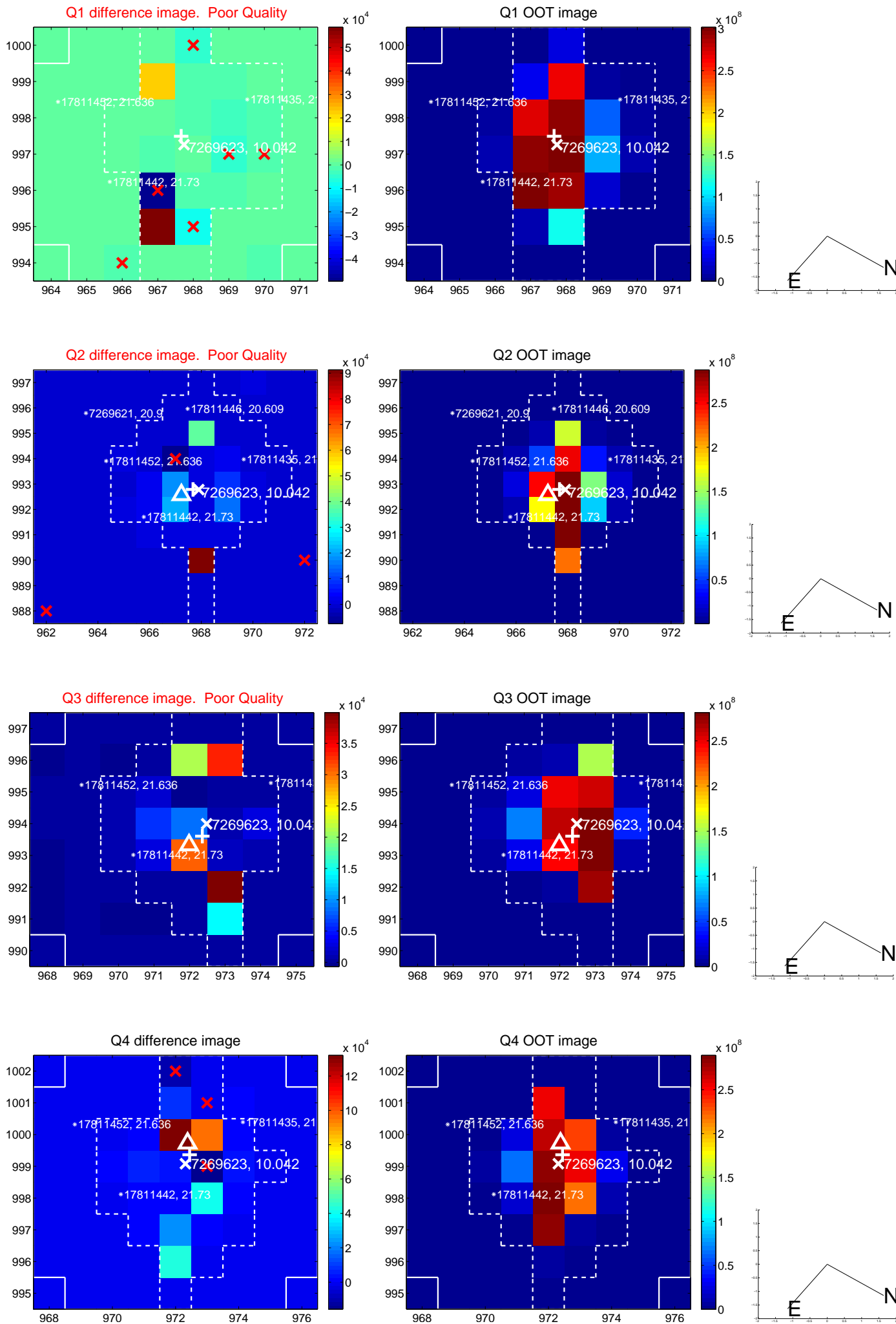
The direct PRF centroid is offset from the target star catalog position by about 1.06 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	6.112 ± 0.855	7.14	-5.002 ± 0.822	-3.514 ± 0.370
PRF-fit source offset from KIC position	7.164 ± 1.134	6.32	-5.785 ± 1.092	-4.226 ± 0.471
photometric centroid source offset	0.71 ± 0.12	6.15	0.60 ± 0.12	0.40 ± 0.11

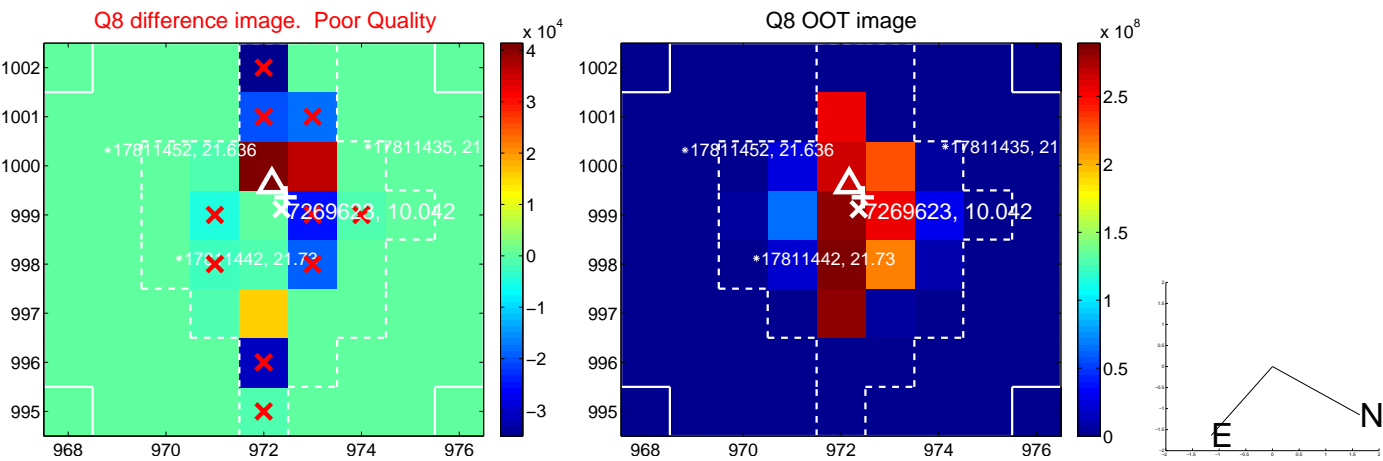
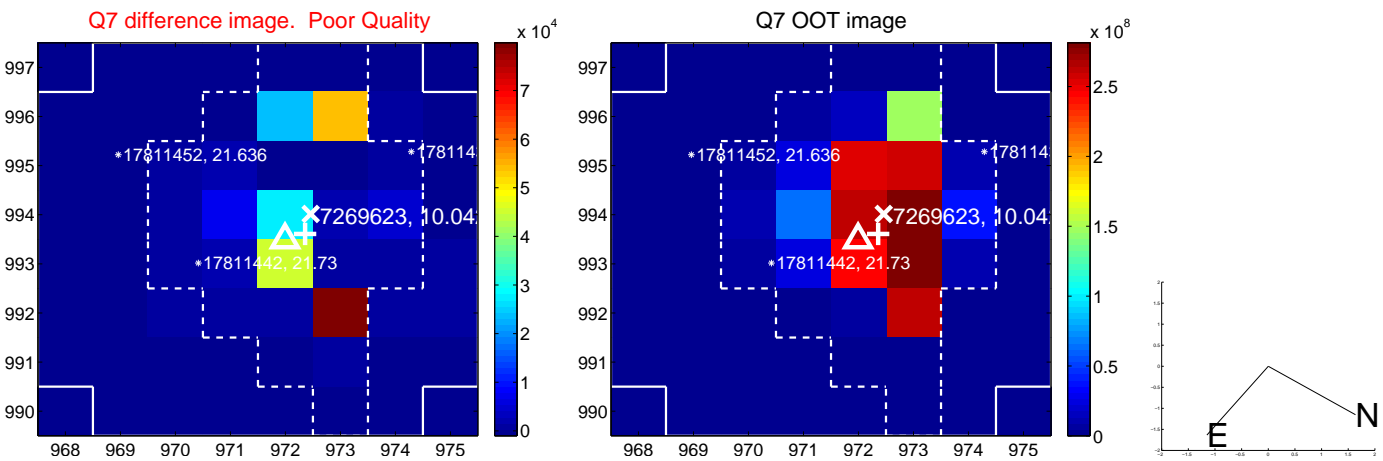
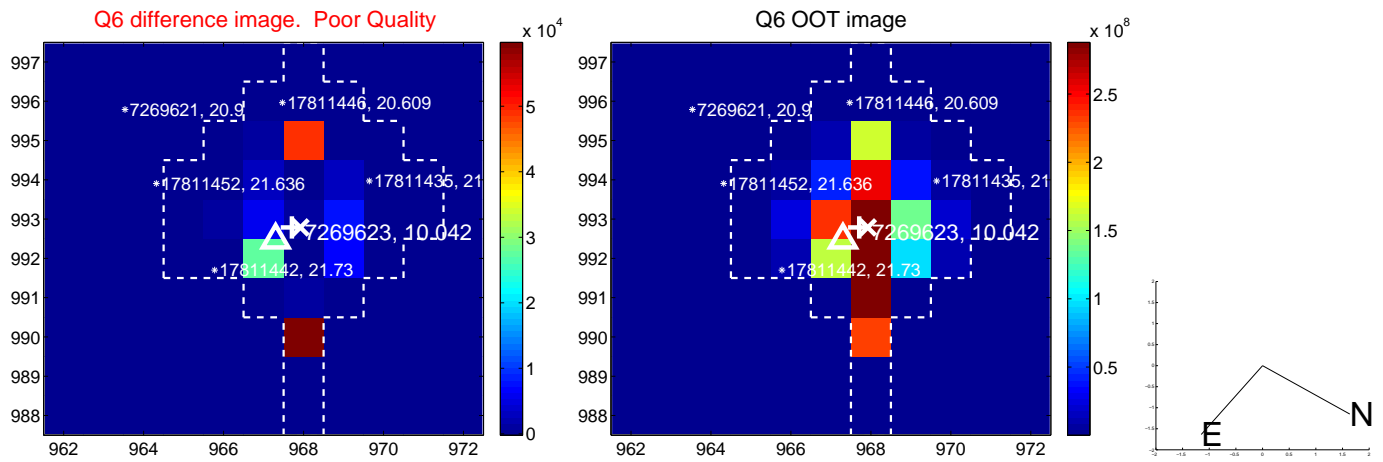
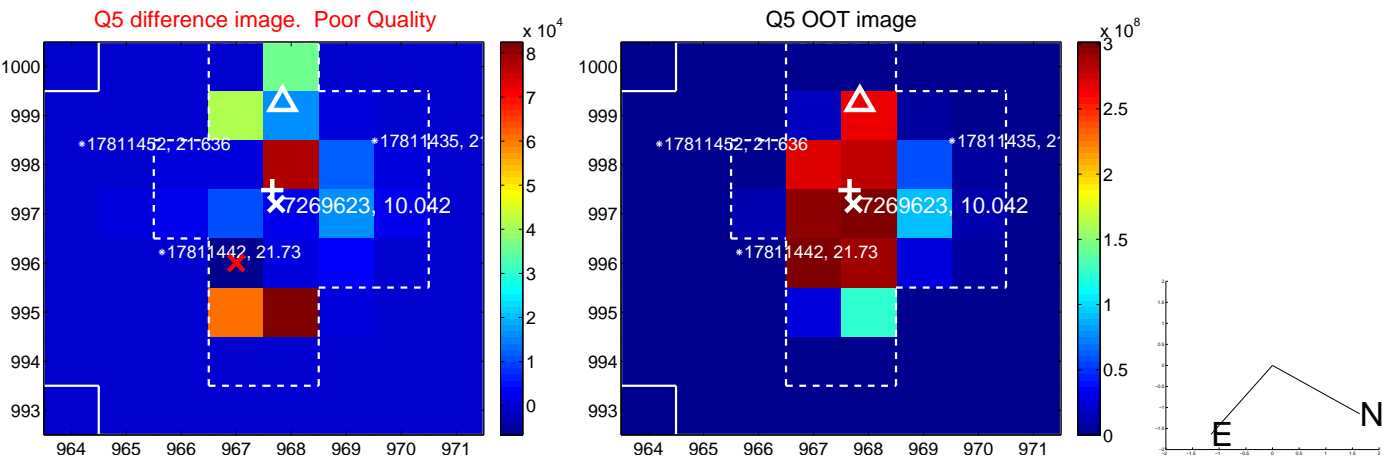


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

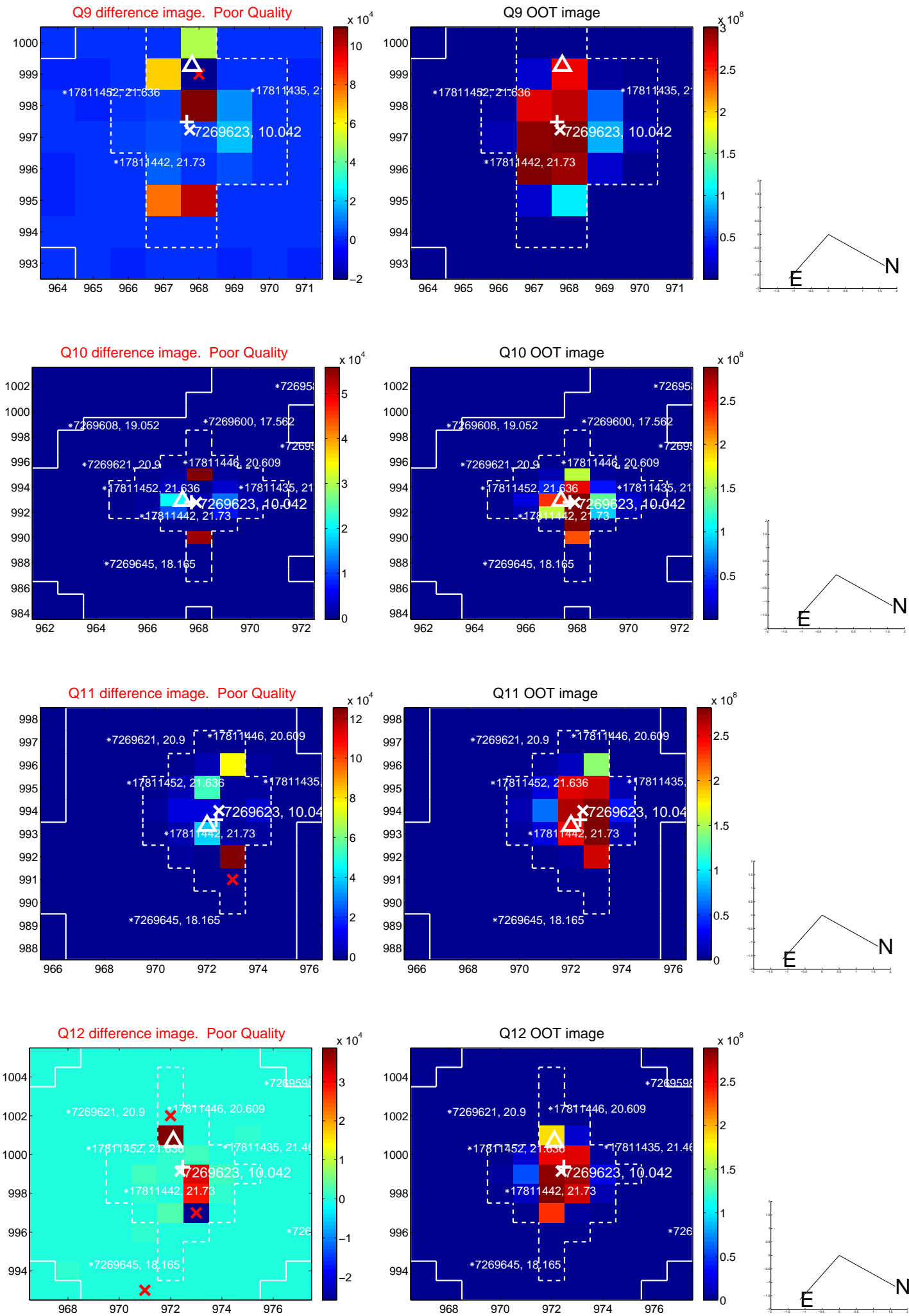
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



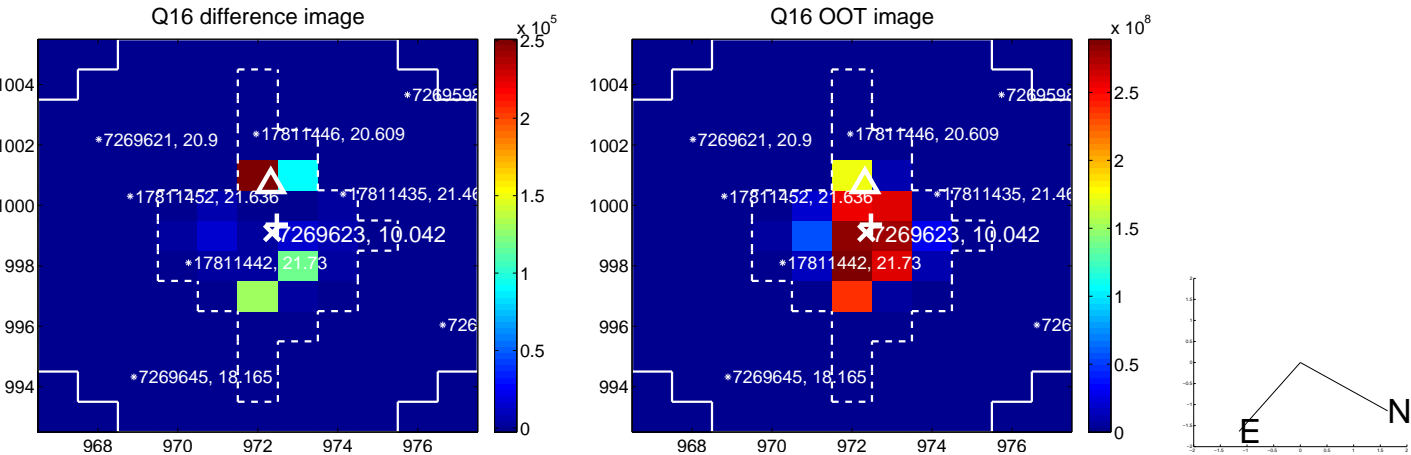
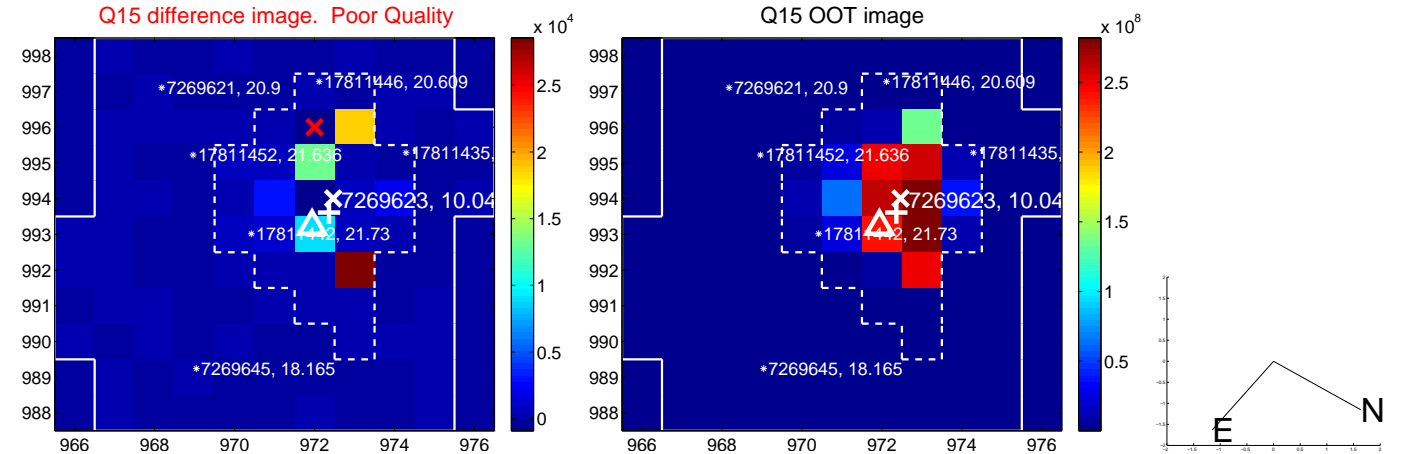
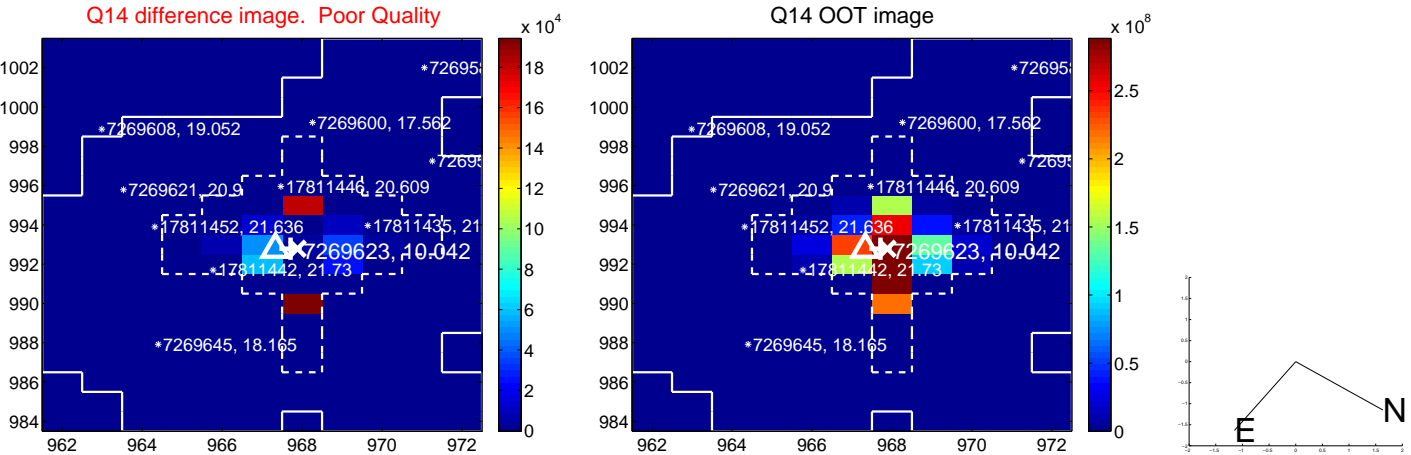
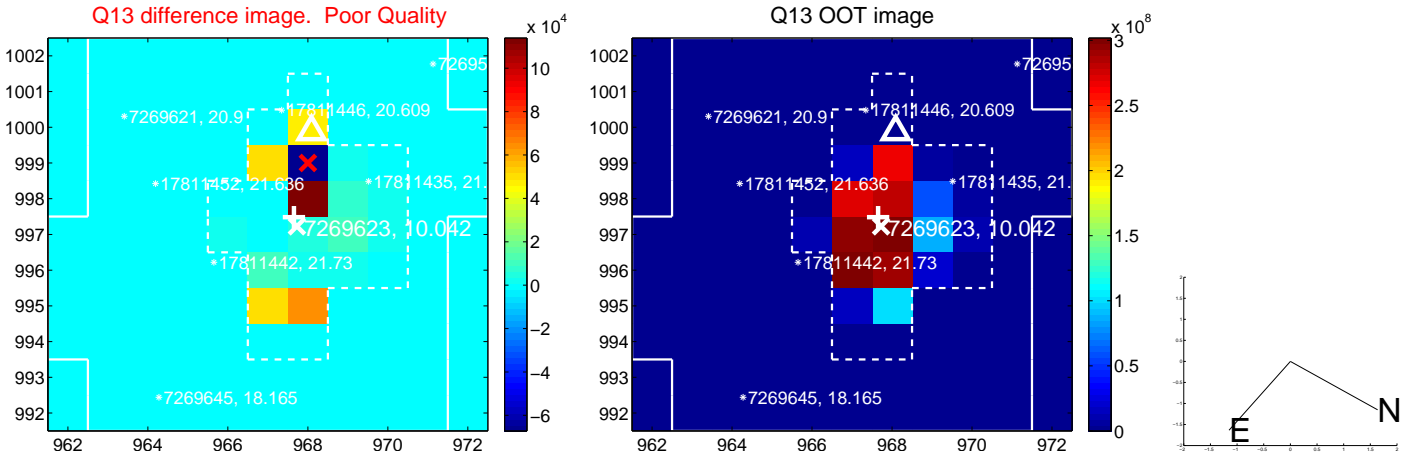
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



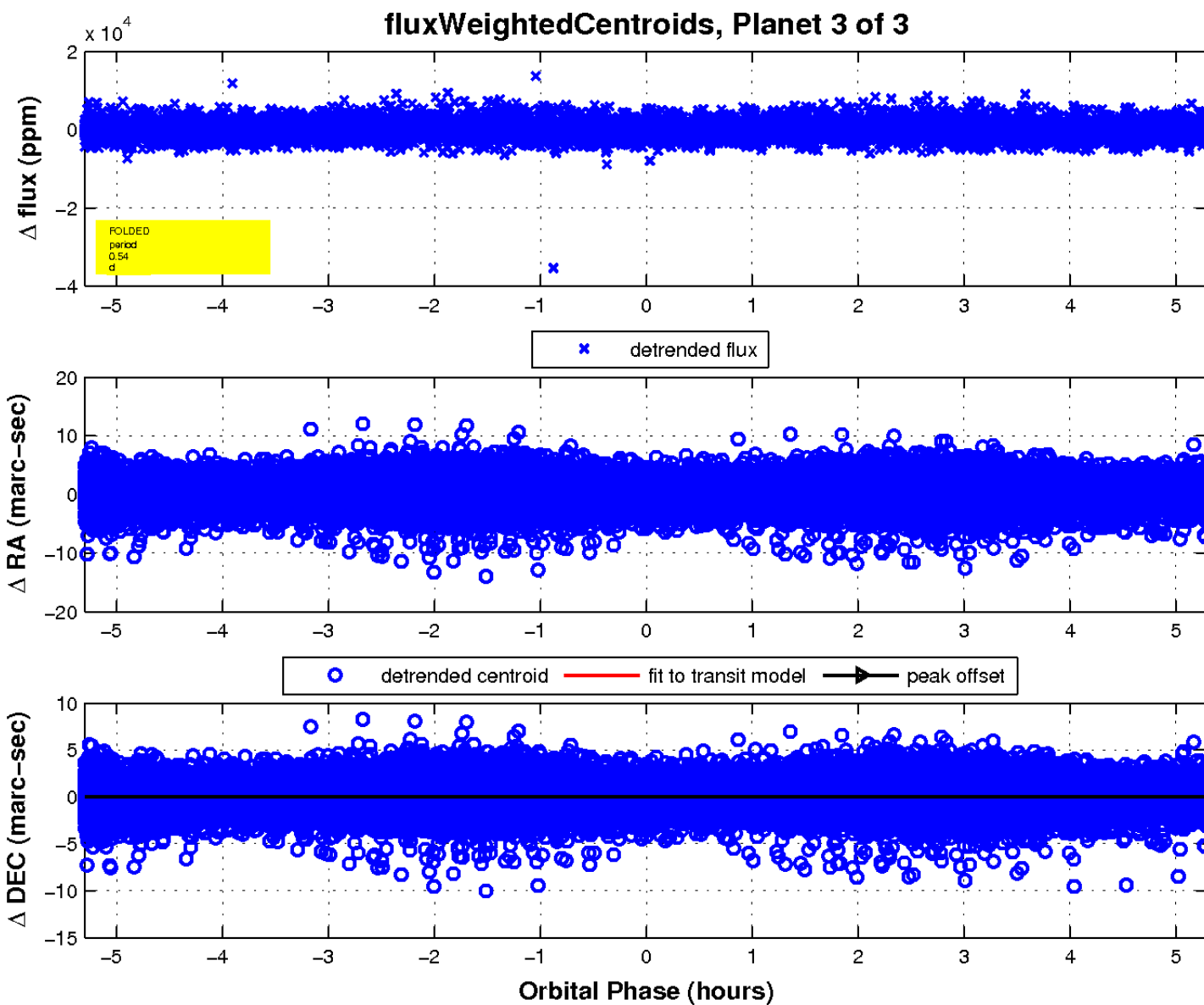
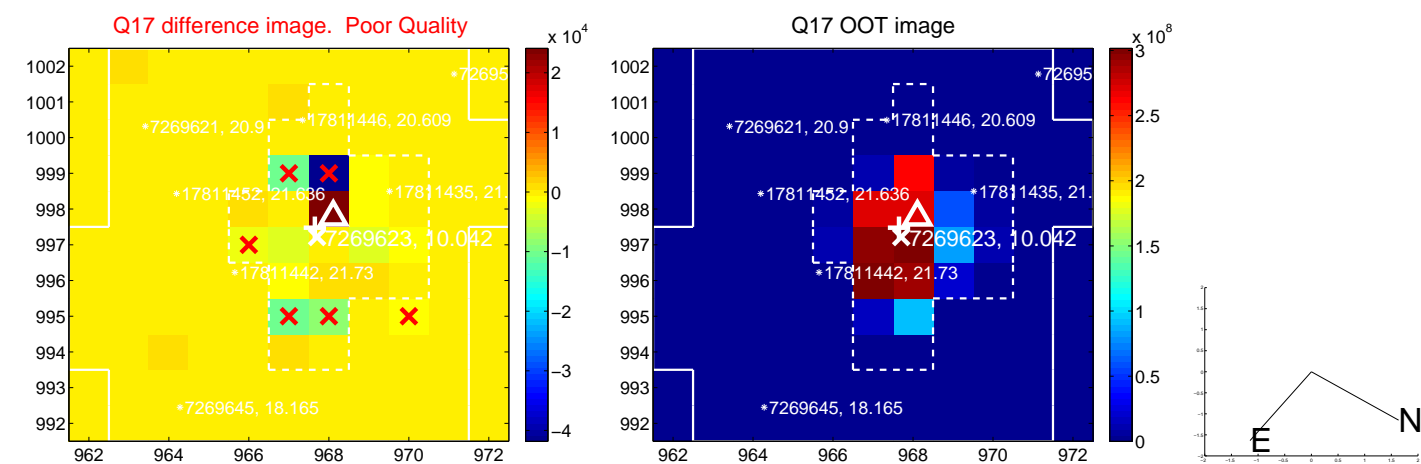
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

