

KIC 004466677

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})
004466677-01	OBS	1338.01	3.222968	132.950013	230.9	2.908	26.3	29.5	0.96	5823	1.66	558.88
004466677-02	OBS	1338.02	42.037374	136.208998	265.5	6.503	12.1	12.2	0.96	5823	1.73	18.20
004466677-03	OBS	1338.03	21.011858	132.612285	153.3	5.578	7.7	9.1	0.96	5823	1.31	45.89

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
004466677-01	OBS	PC	1.00	0	0	0	0	NO_COMMENT
004466677-02	OBS	PC	1.00	0	0	0	0	NO_COMMENT
004466677-03	OBS	PC	0.75	0	0	0	0	NO_COMMENT

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

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

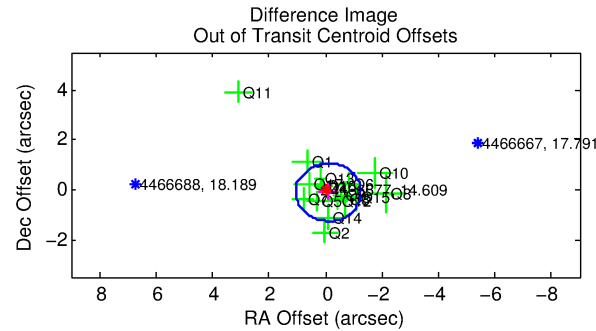
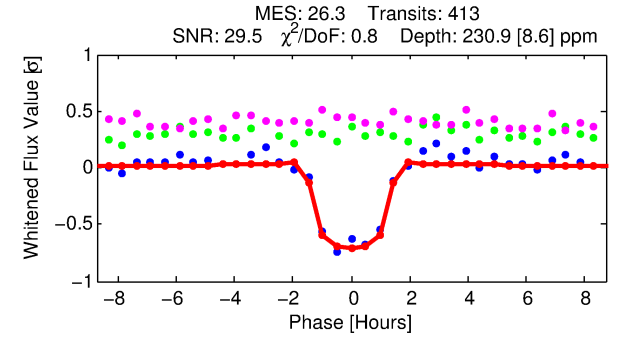
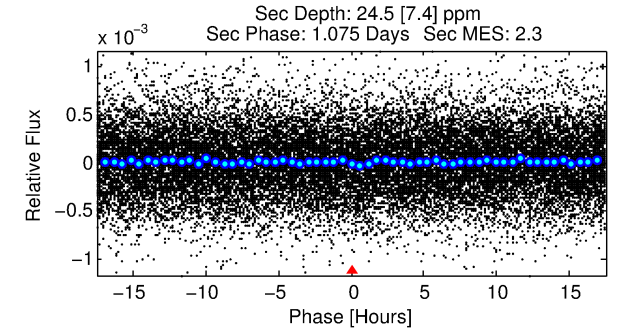
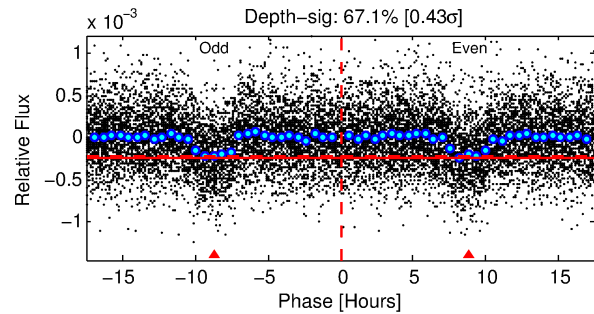
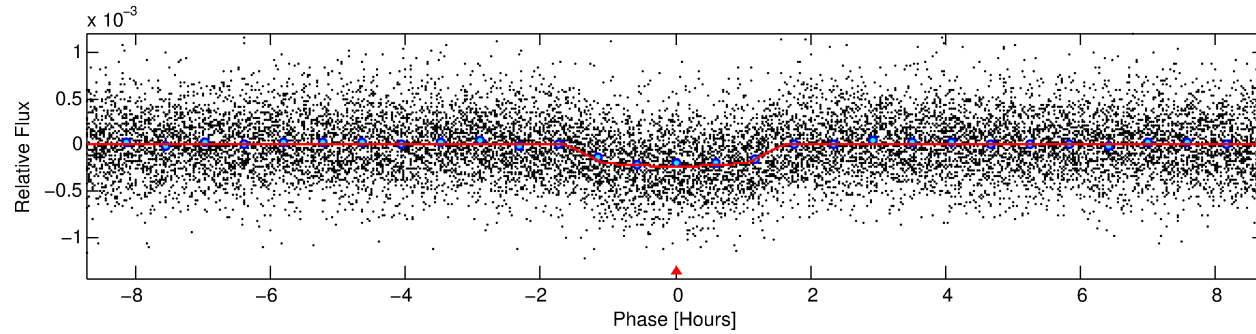
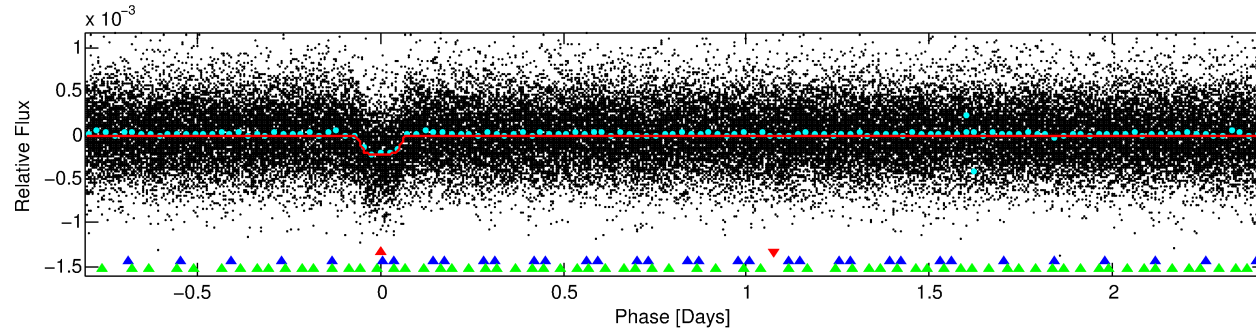
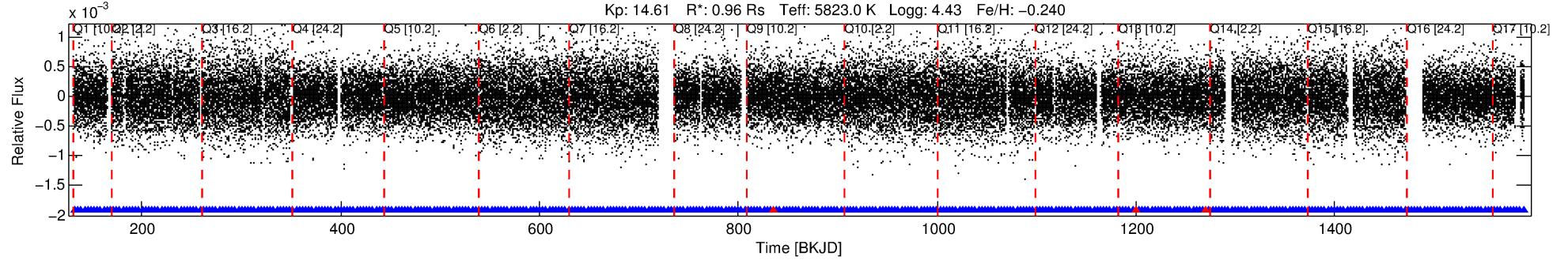
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 004466677-01

No Significant Match Found

DV One-Page Summary

KIC: 4466677 Candidate: 1 of 3 Period: 3.223 d
KOI: K01338.01 Corr: 0.991



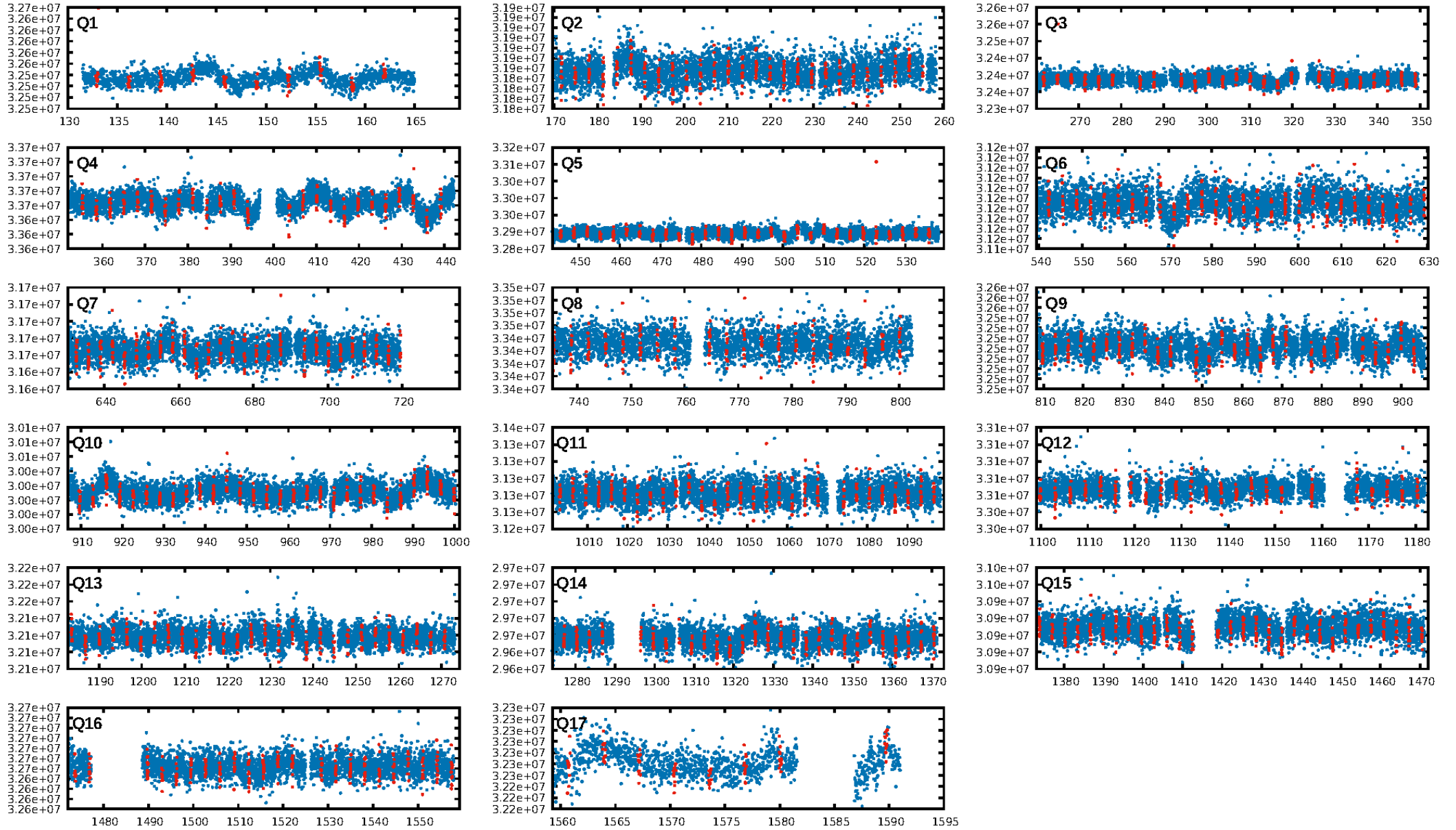
DV Fit Results:

Period = 3.22297 [0.00001] d
Epoch = 132.9500 [0.0016] BKJD
Rp/R* = 0.0159 [0.0046]
a/R* = 4.82 [6.49]
b = 0.85 [0.47]
Seff = 558.88 [201.84]
Teff = 1240 [112] K
Rp = 1.66 [0.66] Re
a = 0.0412 [0.0095] AU
Ag = 8.30 [6.15] [1.19 σ]
Teffp = 3253 [544] K [3.63 σ]

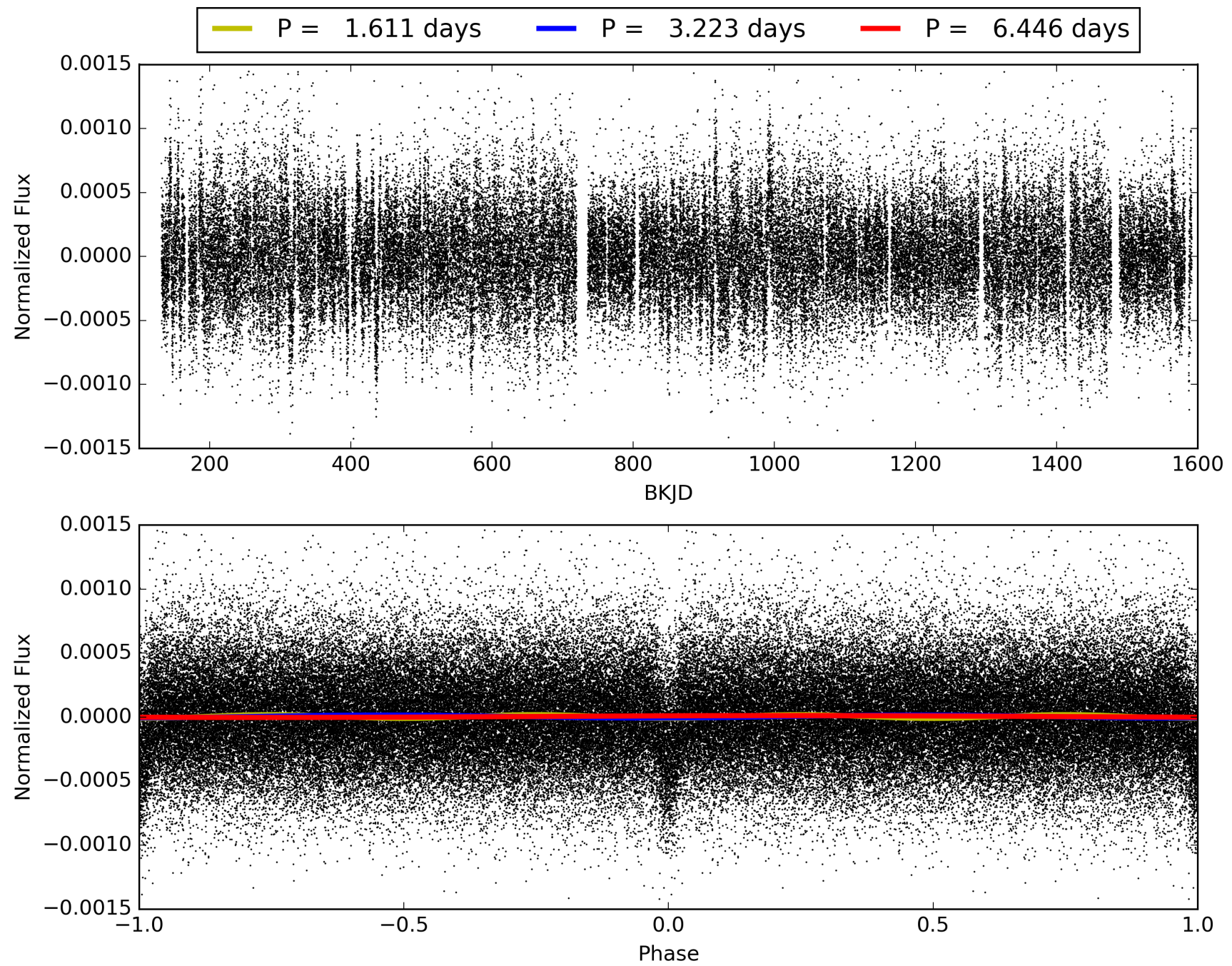
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [67.87 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 7.52e-152
RollingBand-fgt: 0.99 [392/395]
GhostDiagnostic-chr: 4.708
Centroid-sig: 28.5%
Centroid-so: 0.431 arcsec [0.87 σ]
OotOffset-rm: 0.147 arcsec [0.38 σ]
KicOffset-rm: 0.228 arcsec [0.72 σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.88 [15/17]
DiffImageOverlap-fno: 1.00 [17/17]

TCE 004466677-01, PDC Light Curves

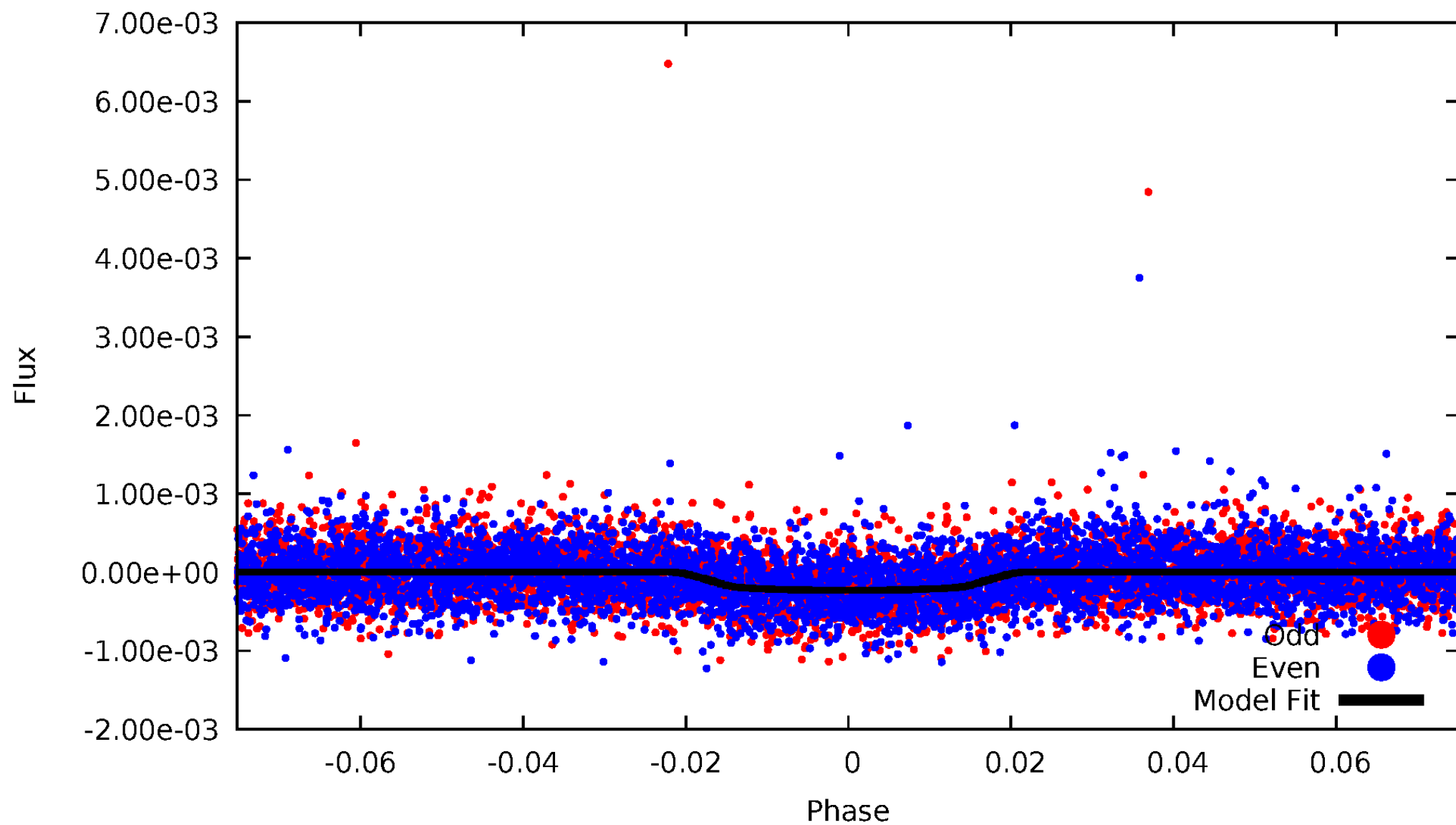


TCE 004466677-01



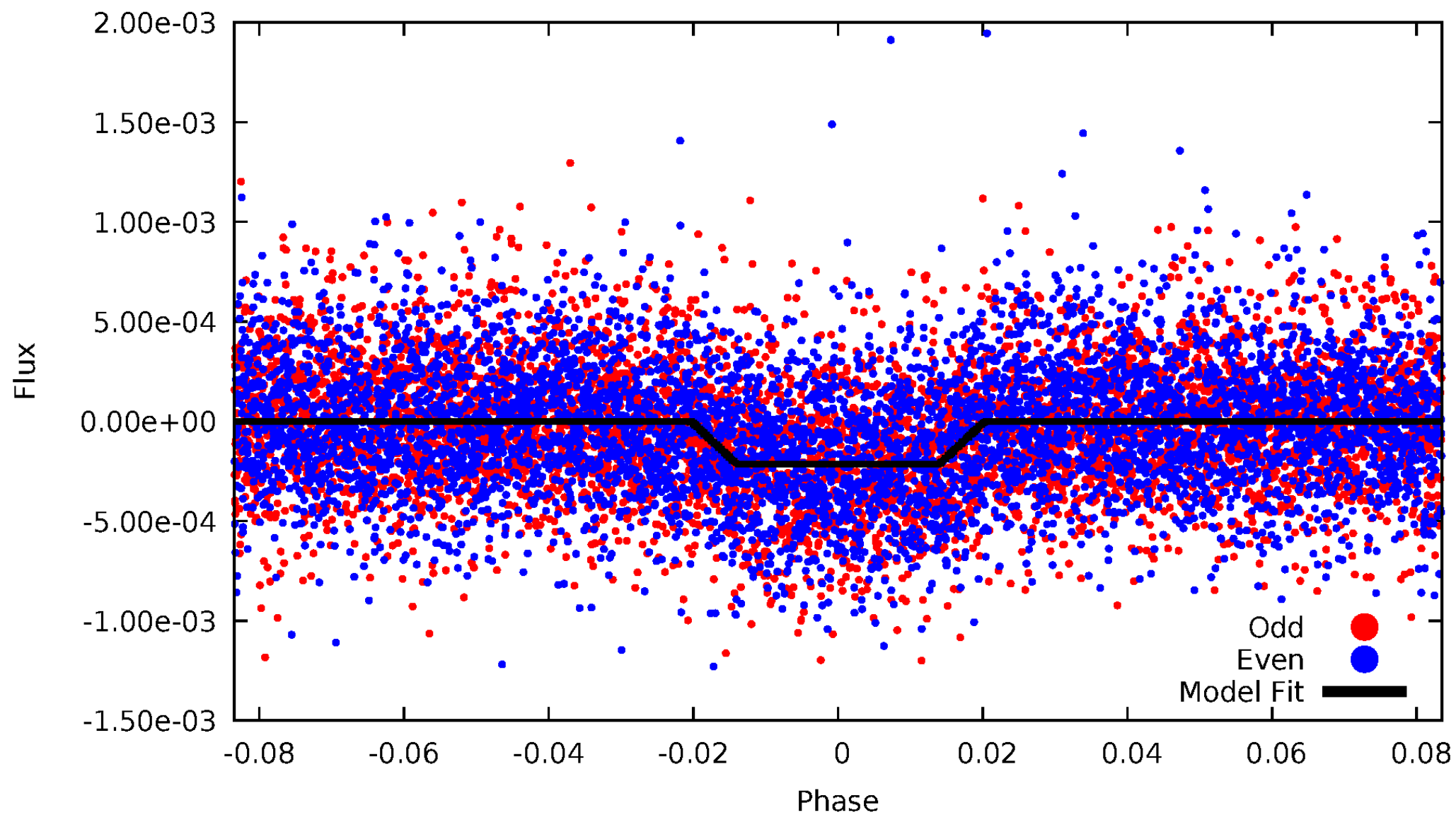
DV Odd/Even

TCE 004466677-01



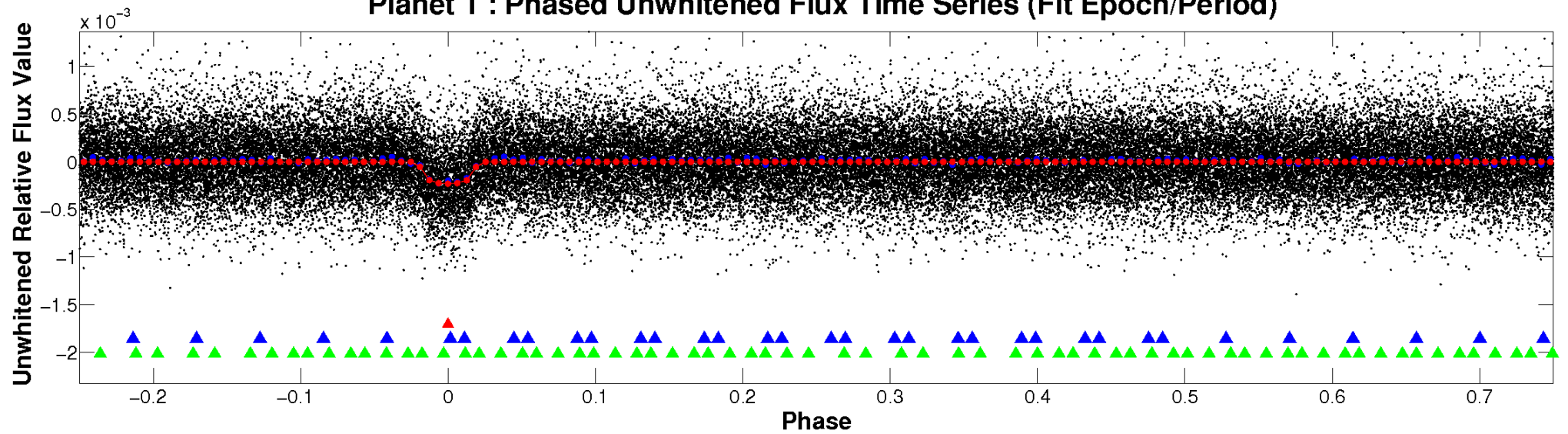
ALT Odd/Even

TCE 004466677-01

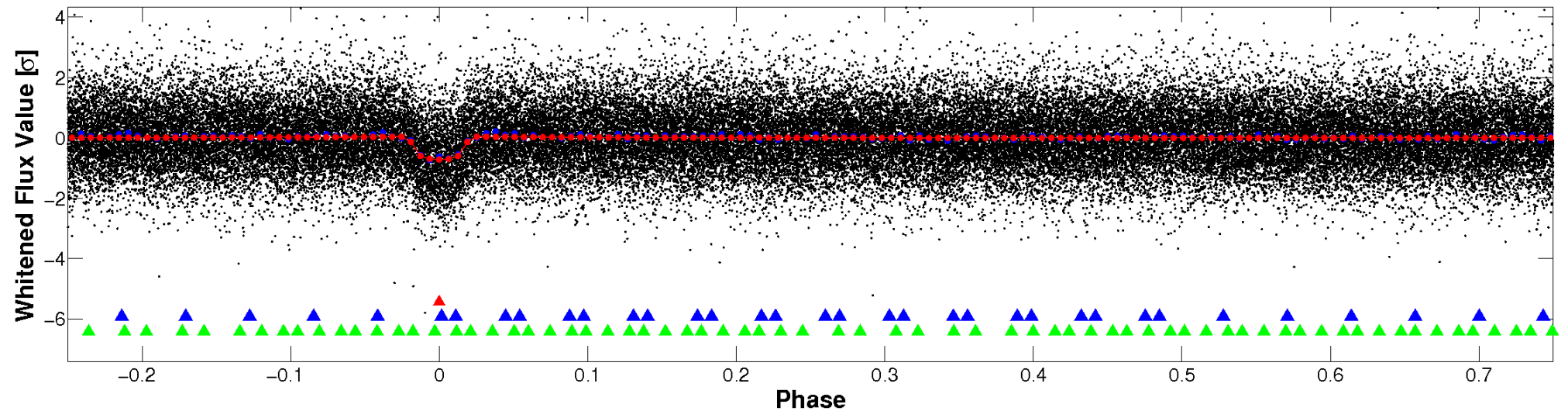


Non-Whitened Vs. Whitened Light Curve

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

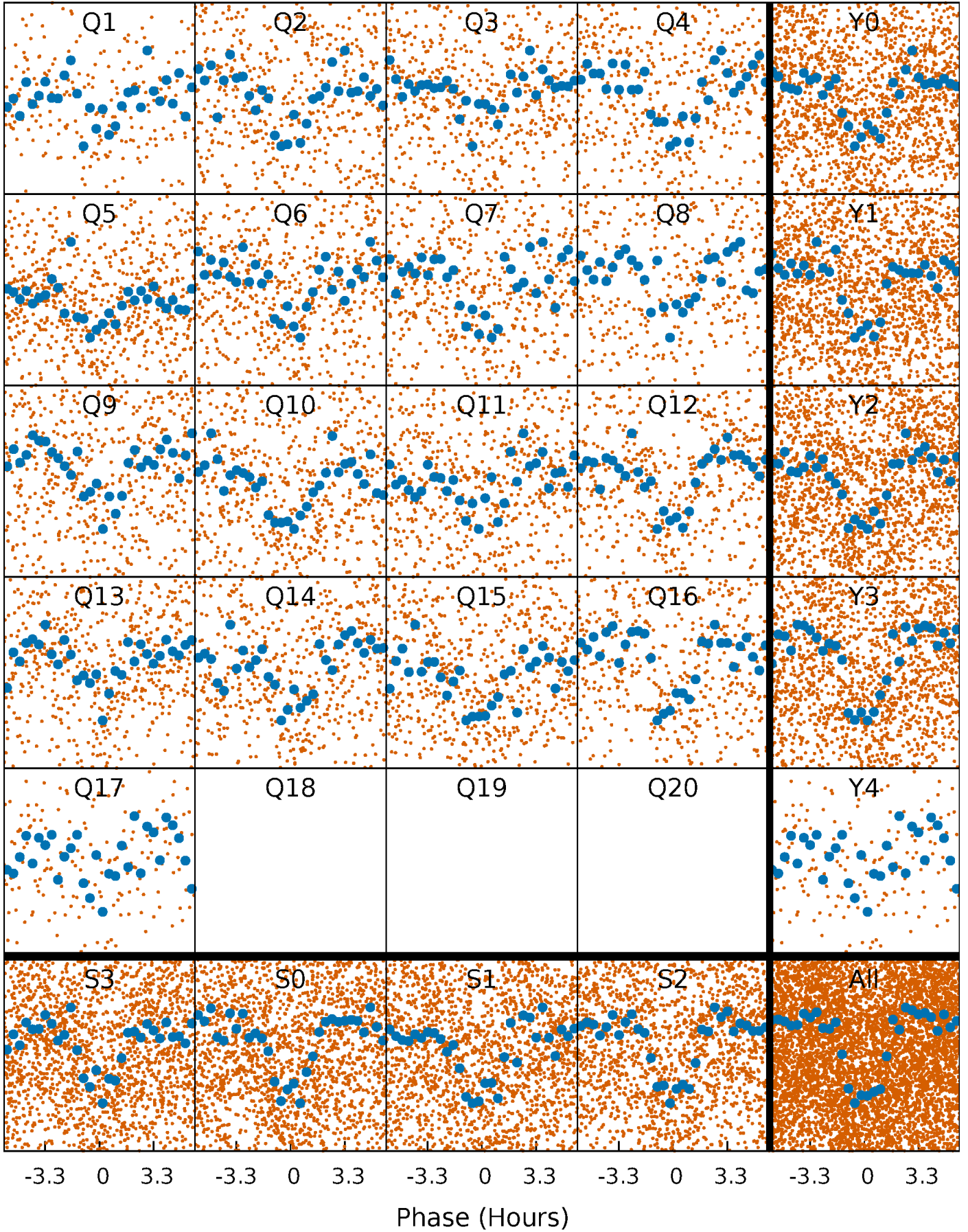


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



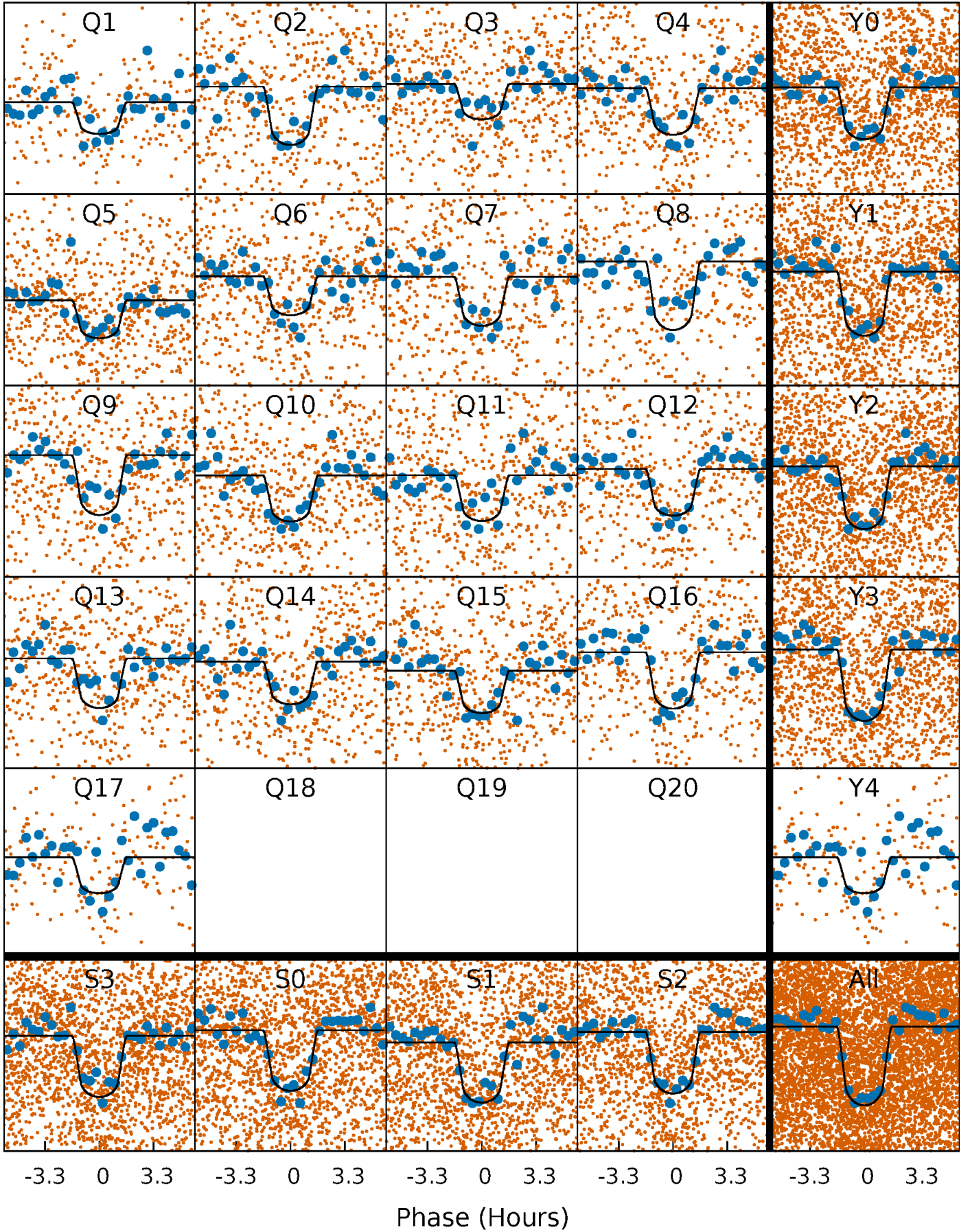
PDC Quarter-Phased Transit Curves

TCE 004466677-01 P= 3.222968 Days $T_0=132.950013$ (BKJD)



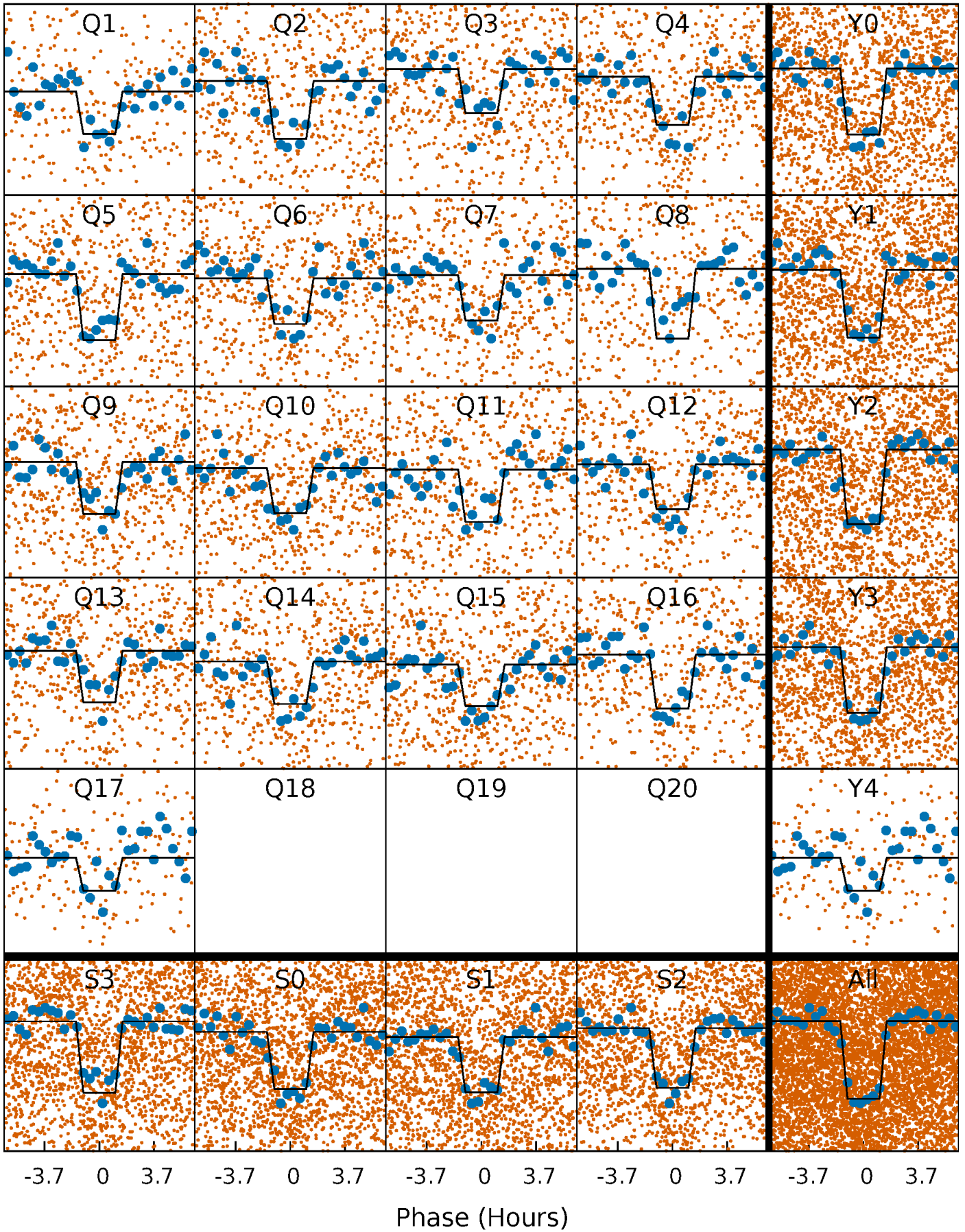
DV Quarter-Phased Transit Curves

TCE 004466677-01 P= 3.222968 Days $T_0=132.950013$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

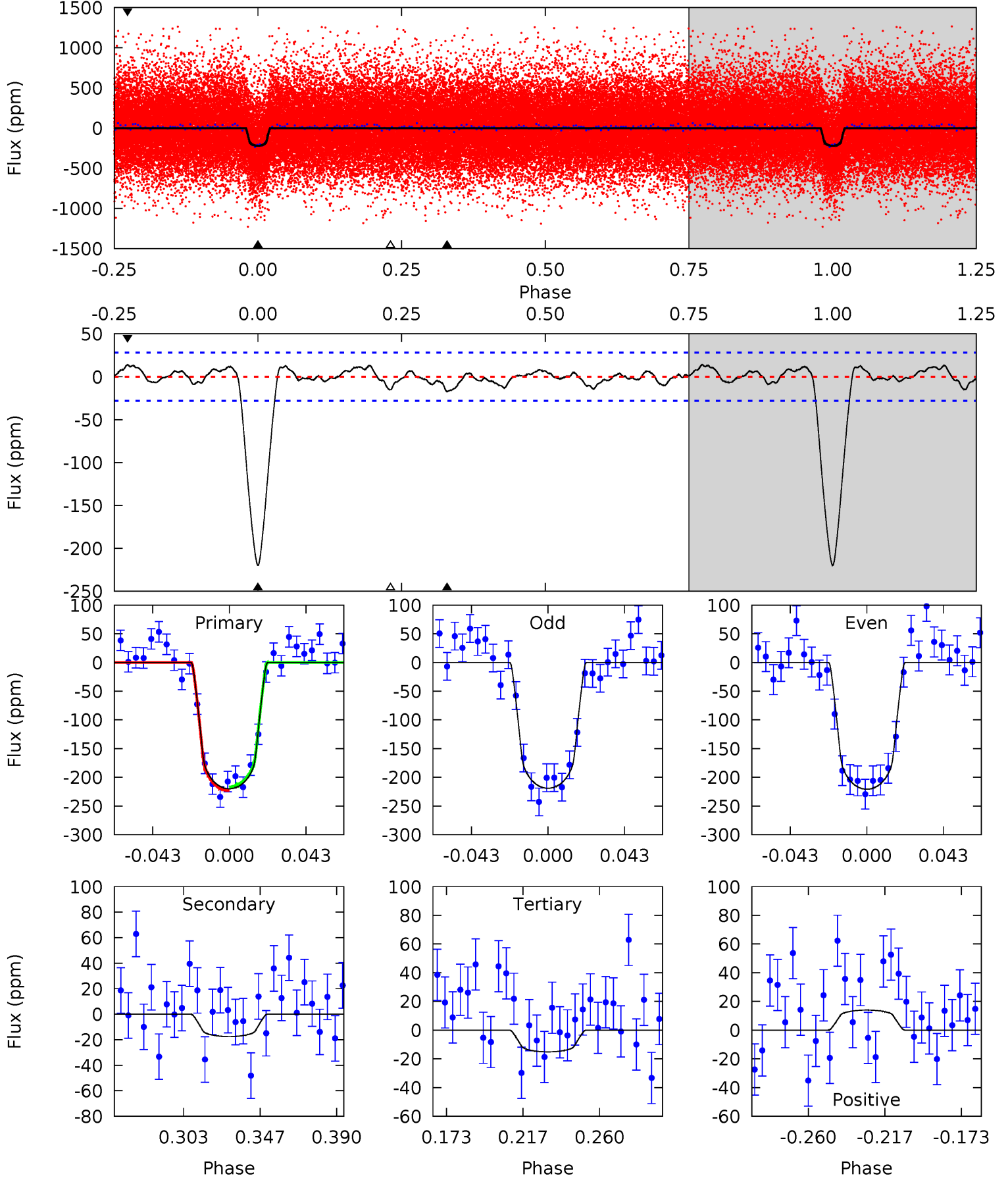
TCE 004466677-01 P= 3.222971 Days $T_0=132.949078$ (BKJD)



DV Model-Shift Uniqueness Test

004466677-01, P = 3.222968 Days, E = 129.727045 Days

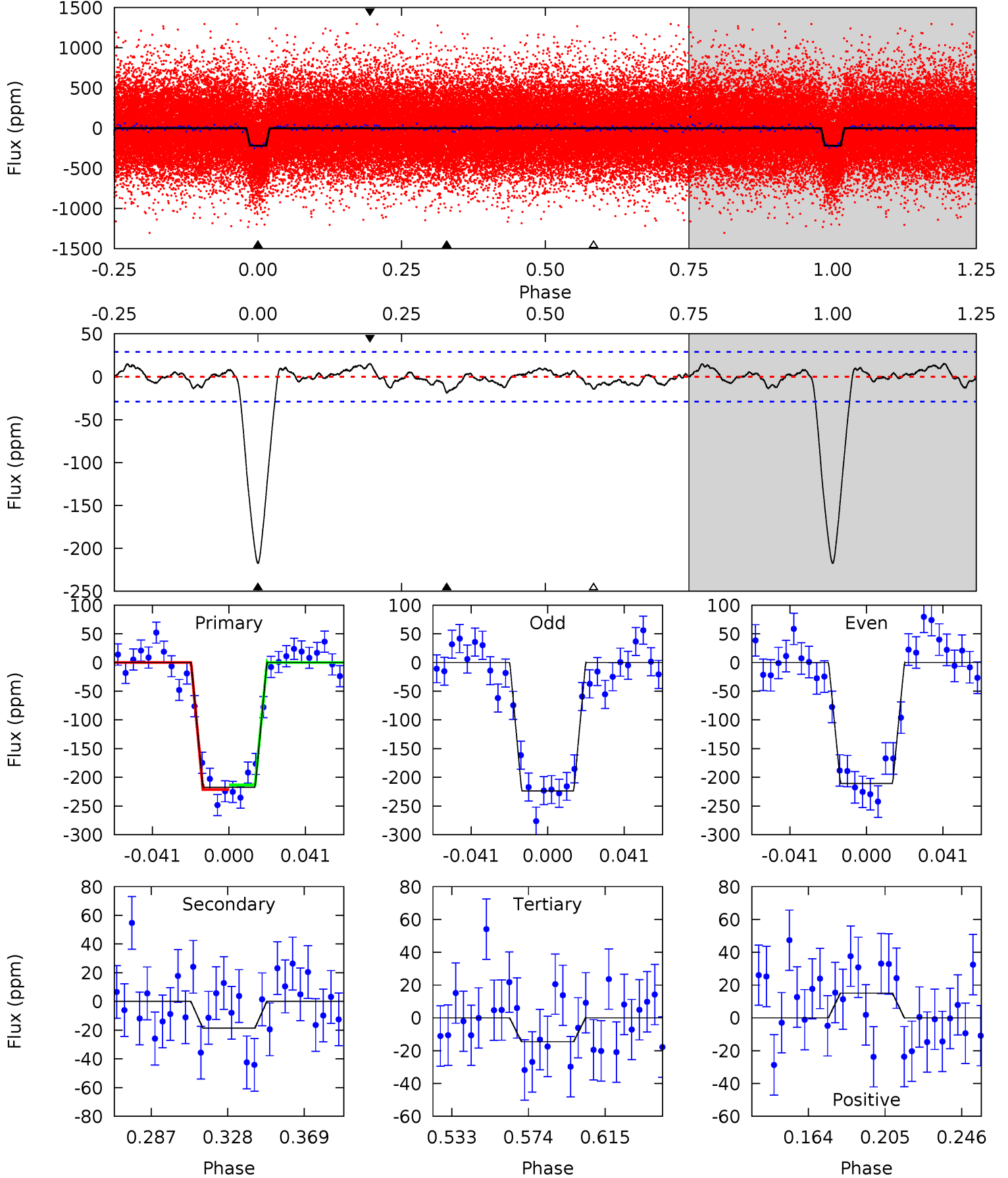
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
37.1	2.96	2.55	2.36	4.74	2.02	1.06	34.5	34.7	0.41	0.60	0.15	0.96	0.06	0.52



Alt Model-Shift Uniqueness Test

004466677-01, P = 3.222971 Days, E = 129.726107 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
35.7	3.05	2.38	2.47	4.75	2.04	1.07	33.3	33.3	0.67	0.58	1.06	1.02	0.06	0.67



Stellar Parameters For KIC 004466677

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5823^{+157}_{-174}	$4.427^{+0.101}_{-0.188}$	$-0.240^{+0.300}_{-0.300}$	$0.960^{+0.261}_{-0.140}$	$0.899^{+0.121}_{-0.088}$	$1.431^{+0.739}_{-0.697}$
	+3%/-3%	+2%/-4%	+125%/-125%	+27%/-15%	+13%/-10%	+52%/-49%
Source	PHO1	KIC0	KIC0	DSEP		

KIC = Kepler Input Catalog; PHO = Photometry; SPE = Spectroscopy; AST = Asteroseismology
 TRA = Transits; DESP = Dartmouth Models; MULT = Multiple Models

Secondary Eclipse Parameters for KIC 004466677-01 / KOI 1338.01

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-18 ± 6	$1.72^{+0.58}_{-0.51}$	1755^{+109}_{-90}	3450^{+468}_{-374}	$5.502^{+6.220}_{-2.763}$
Alt.	-19 ± 6	$1.58^{+0.55}_{-0.49}$	1747^{+125}_{-89}	3559^{+529}_{-382}	$6.815^{+8.072}_{-3.558}$

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 $A_{\text{obs}} \gg 1.0$

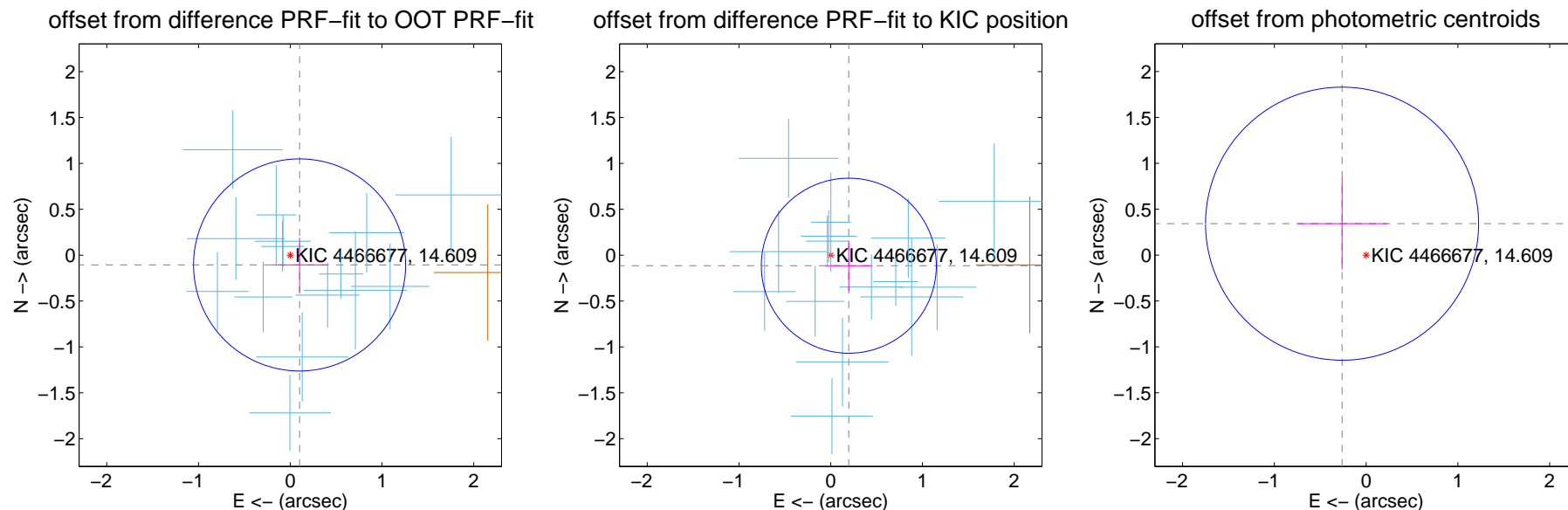
DV Centroid Data

Supplemental centroid analysis for 004466677-01. Kepler magnitude: 14.61. Transit SNR 29.54

There are 15 quarters with good PRF difference image offsets

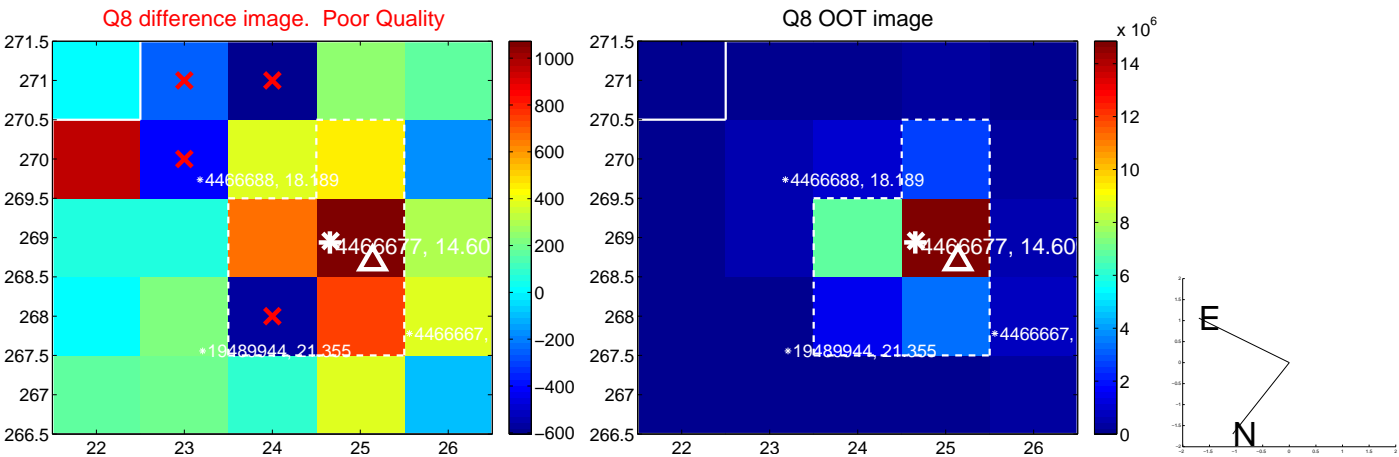
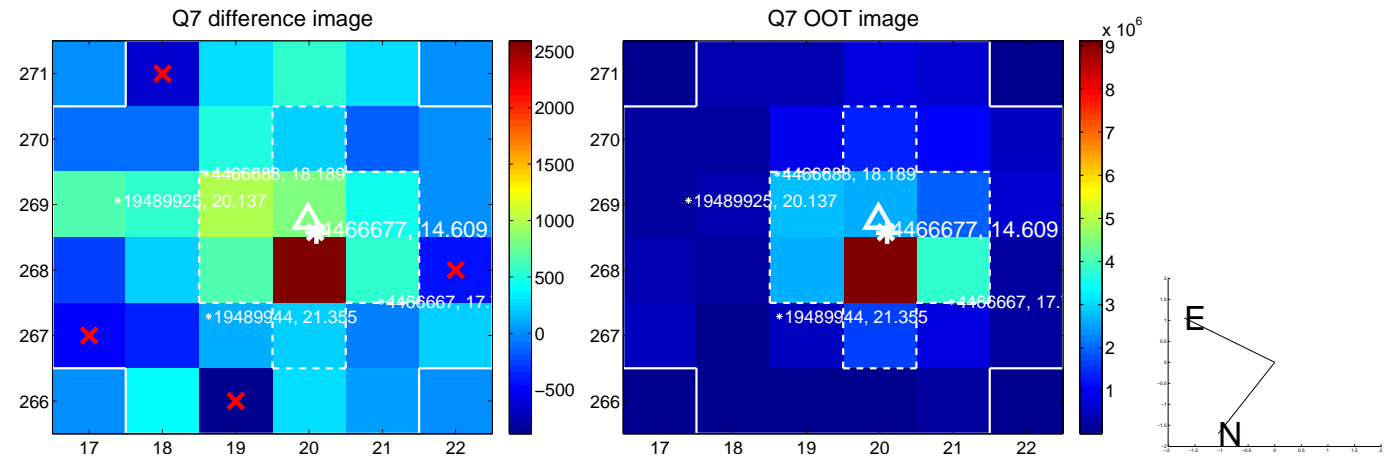
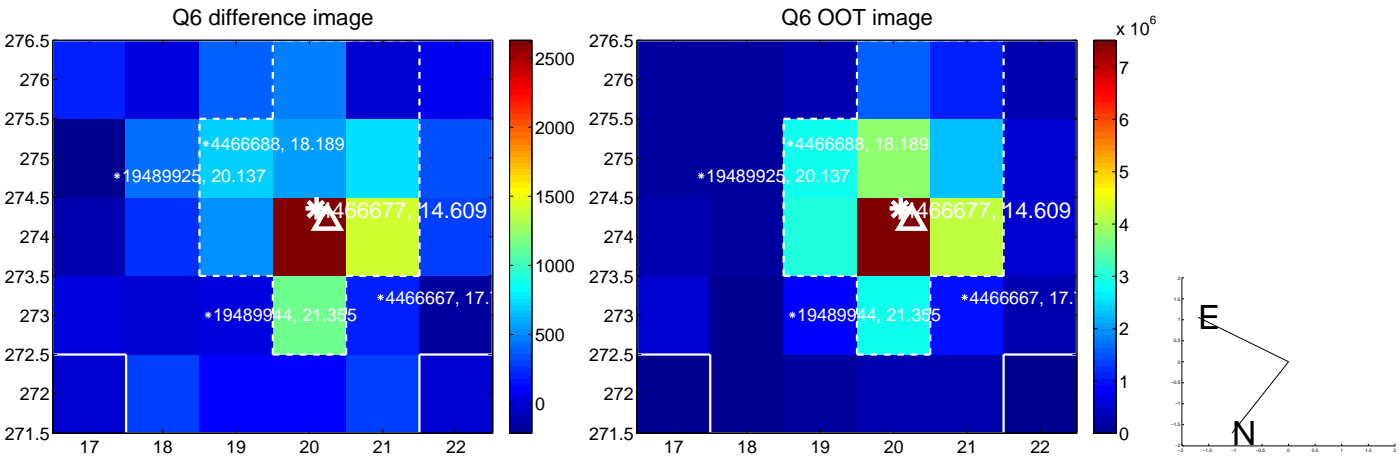
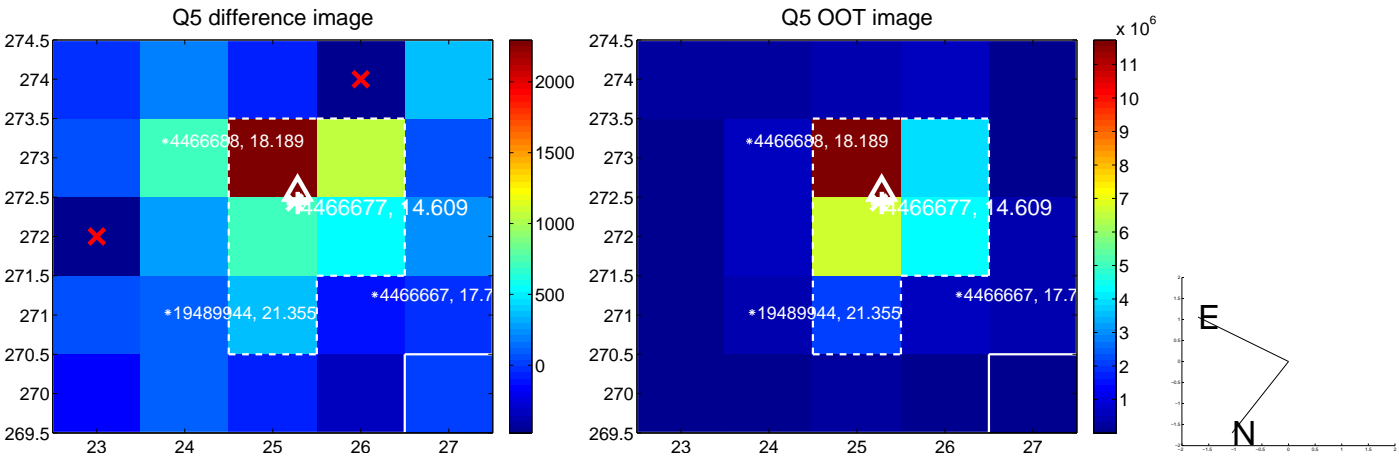
The direct PRF centroid is offset from the target star catalog position by about 0.14 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.147 ± 0.385	0.38	-0.102 ± 0.307	-0.107 ± 0.296
PRF-fit source offset from KIC position	0.228 ± 0.318	0.72	-0.197 ± 0.257	-0.115 ± 0.274
photometric centroid source offset	0.43 ± 0.50	0.87	0.26 ± 0.49	0.34 ± 0.50

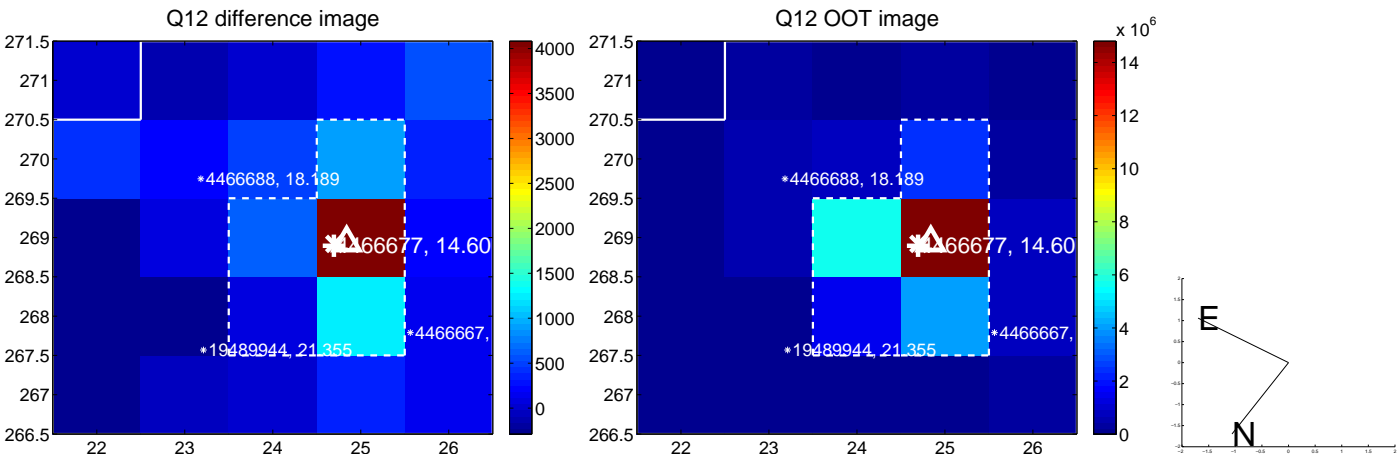
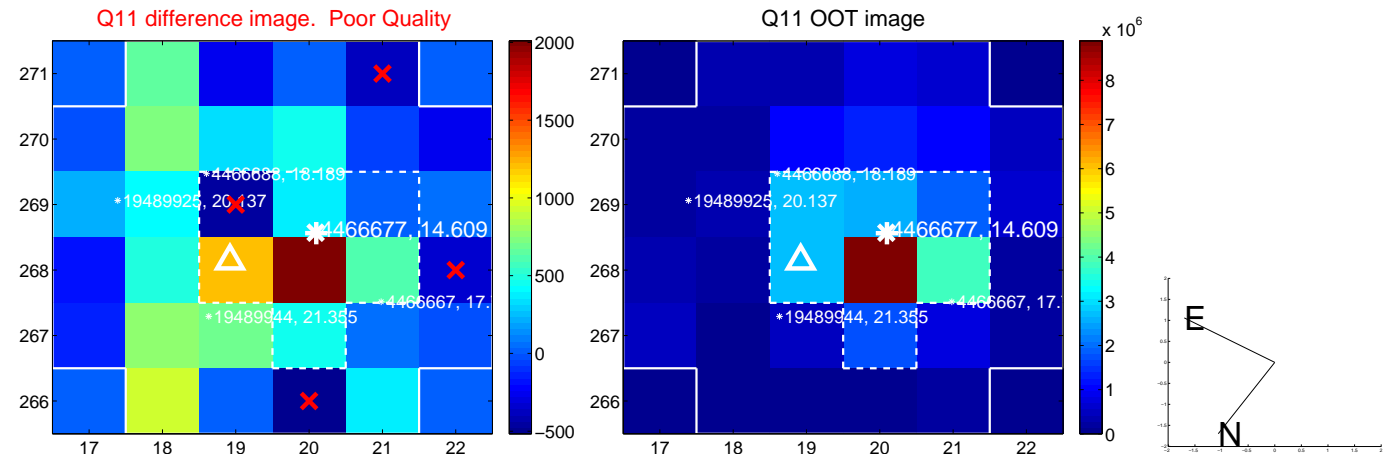
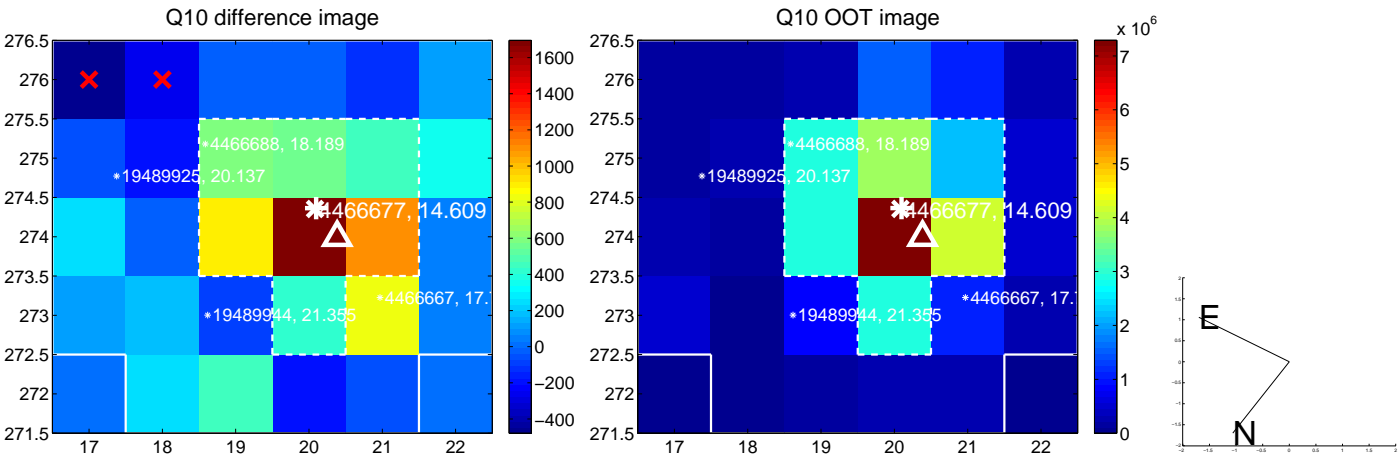
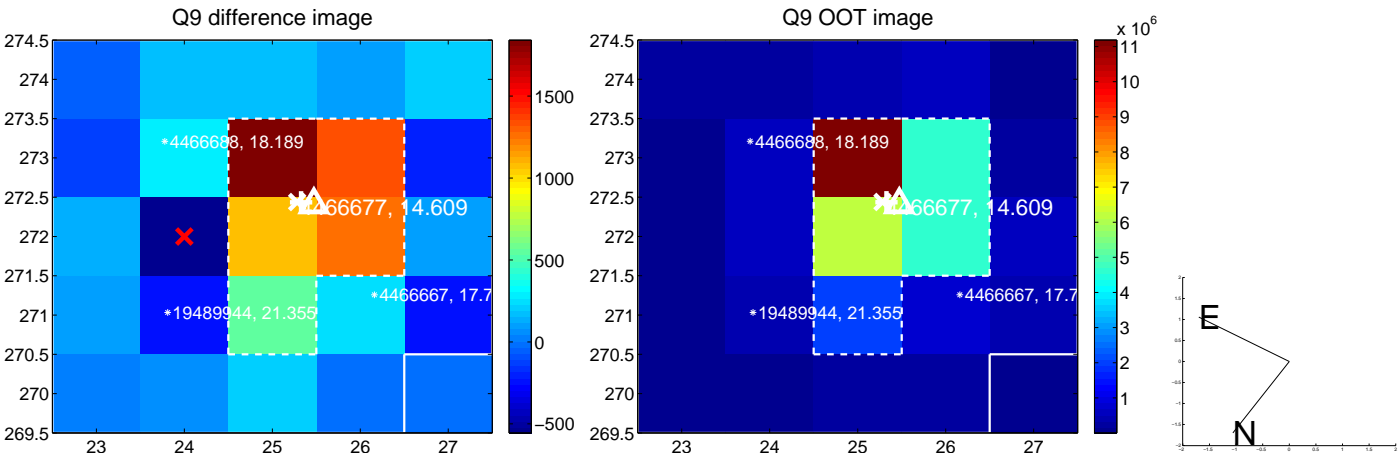


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

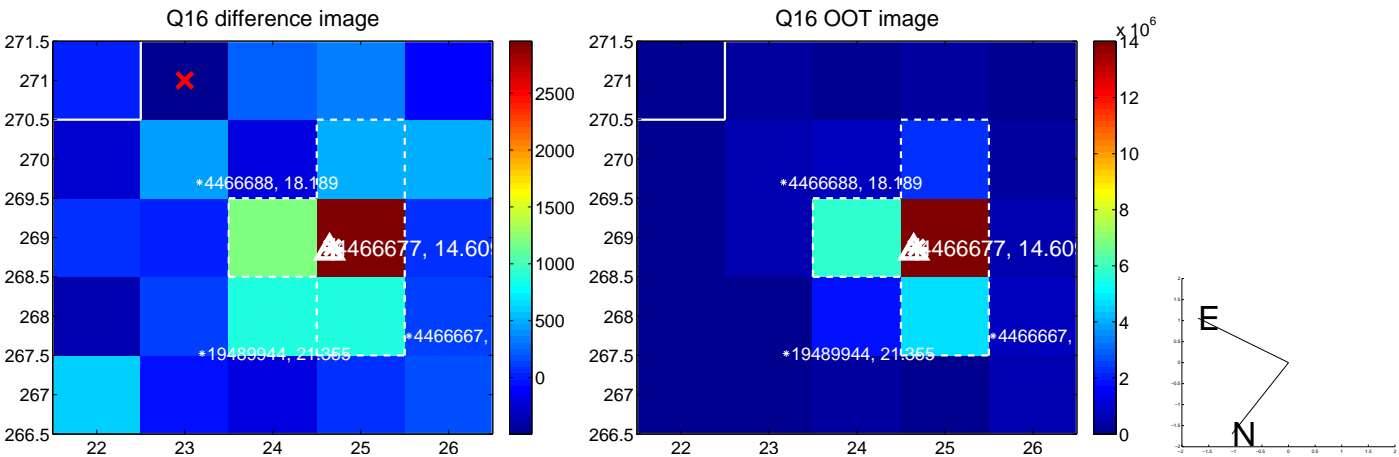
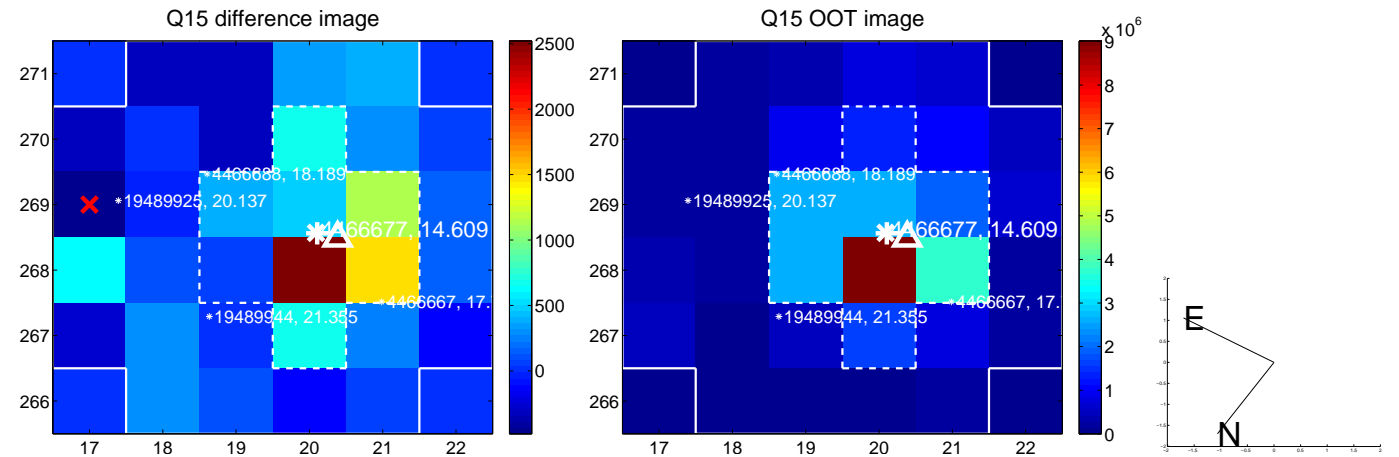
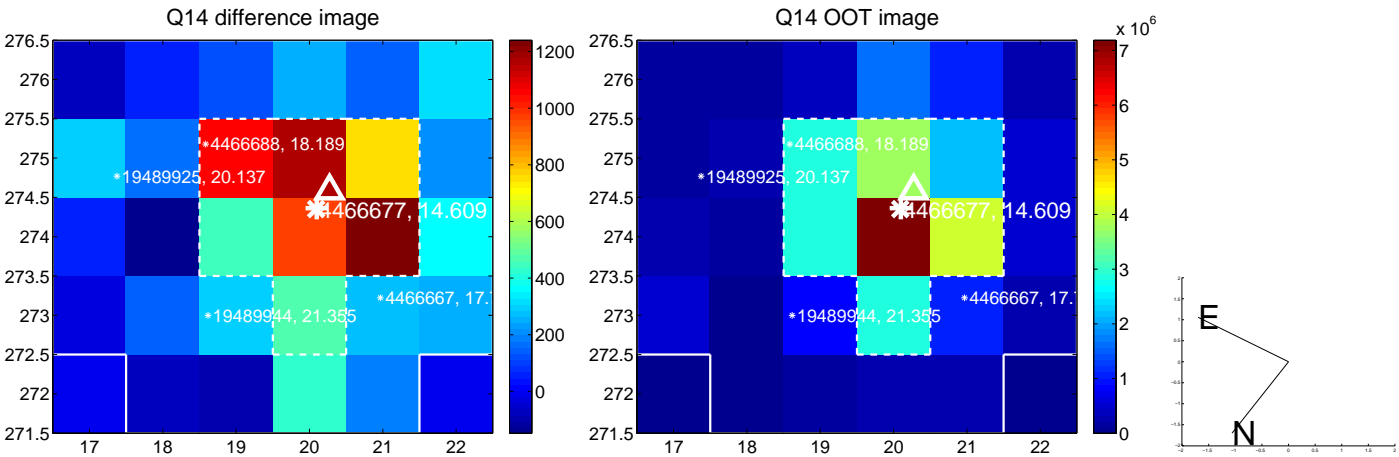
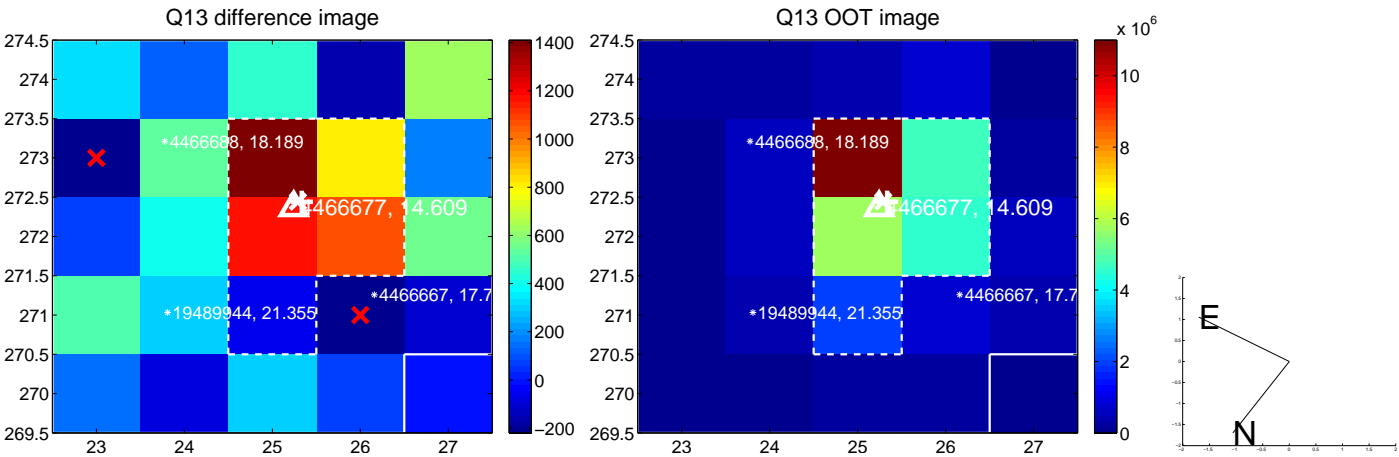
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



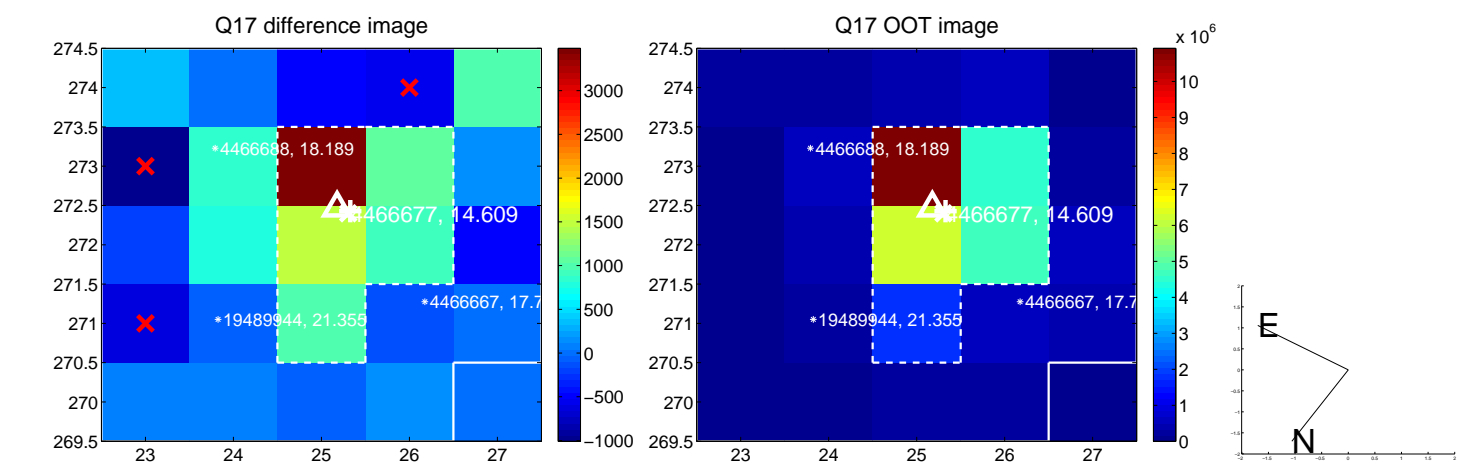
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



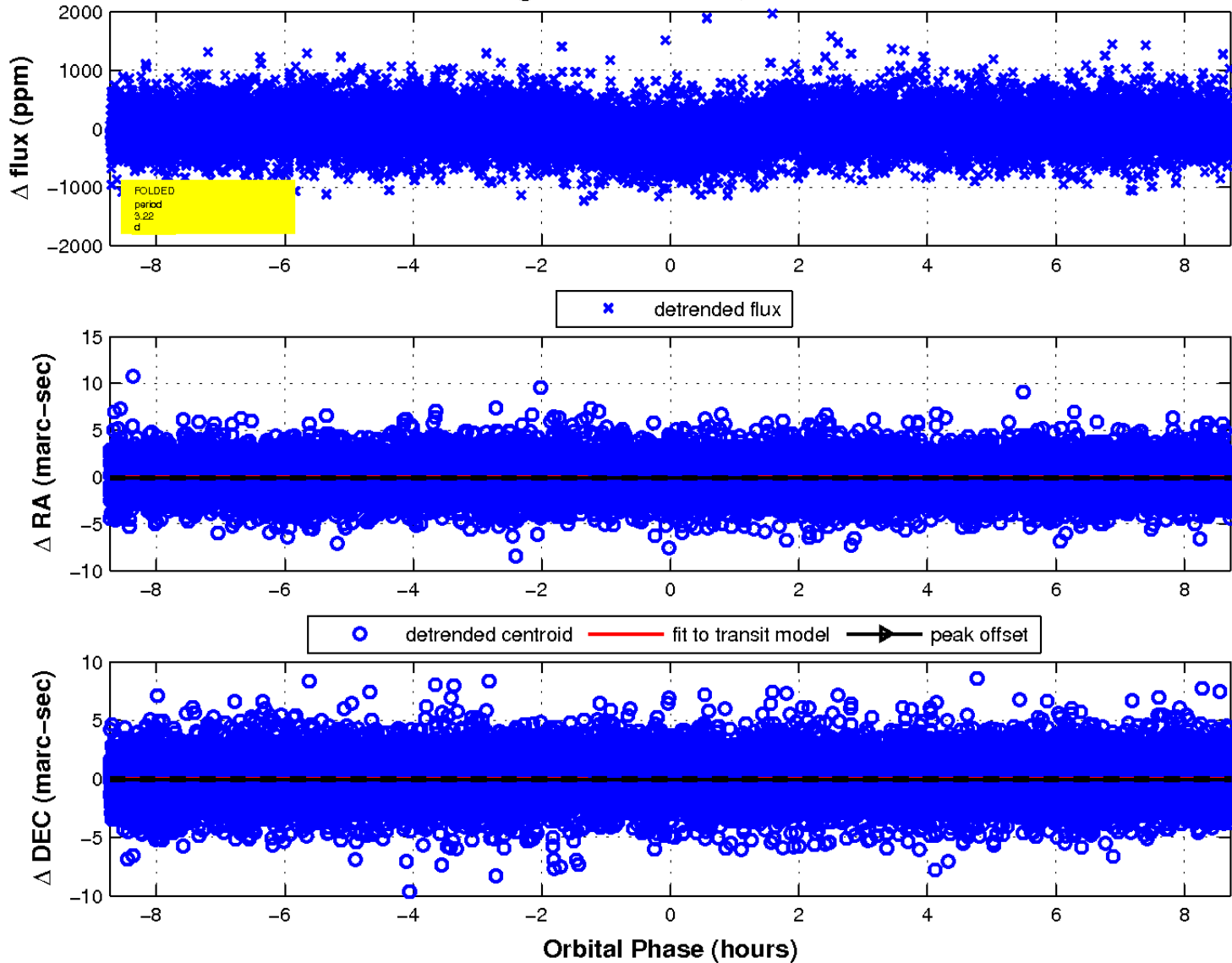
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

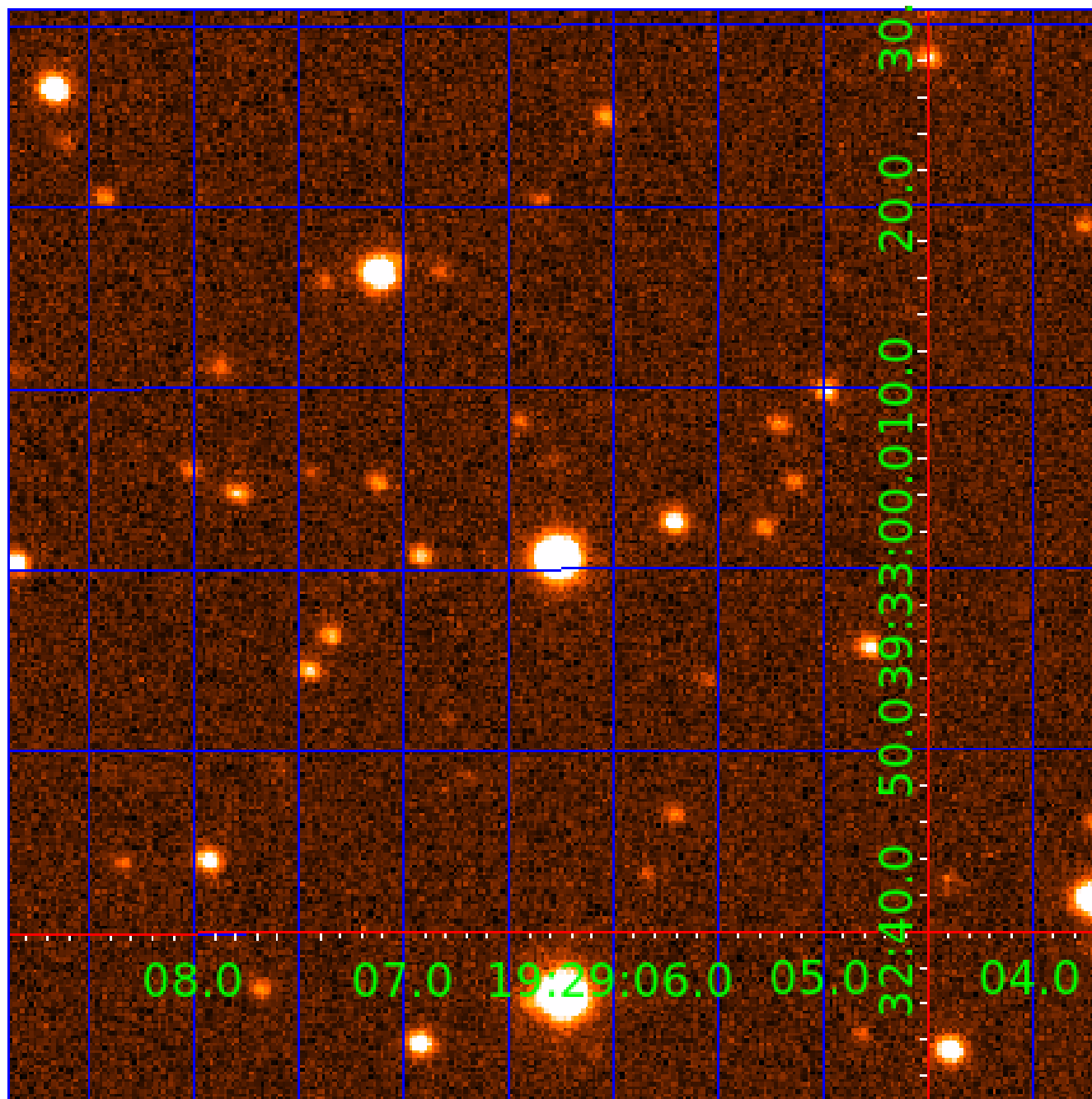


fluxWeightedCentroids, Planet 1 of 3



UKIRT Image

Declination



KIC 004466677

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})
004466677-01	OBS	1338.01	3.222968	132.950013	230.9	2.908	26.3	29.5	0.96	5823	1.66	558.88
004466677-02	OBS	1338.02	42.037374	136.208998	265.5	6.503	12.1	12.2	0.96	5823	1.73	18.20
004466677-03	OBS	1338.03	21.011858	132.612285	153.3	5.578	7.7	9.1	0.96	5823	1.31	45.89

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
004466677-01	OBS	PC	1.00	0	0	0	0	NO_COMMENT
004466677-02	OBS	PC	1.00	0	0	0	0	NO_COMMENT
004466677-03	OBS	PC	0.75	0	0	0	0	NO_COMMENT

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.

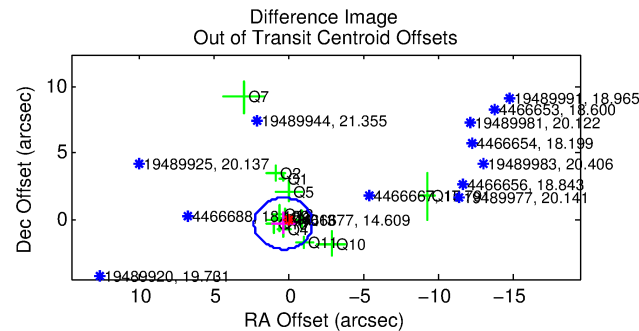
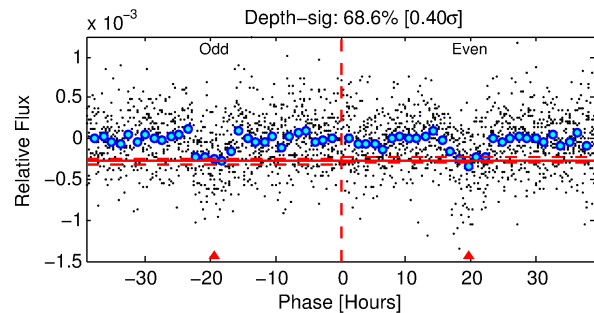
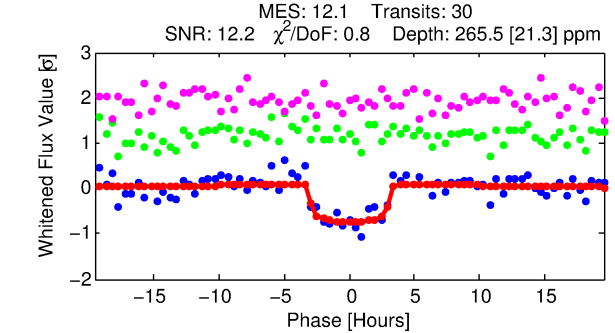
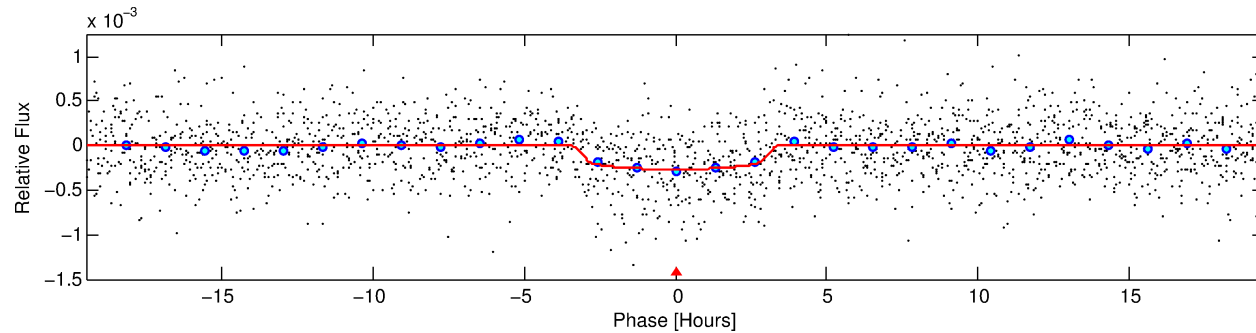
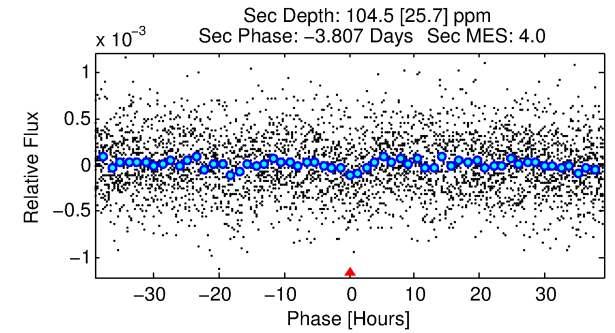
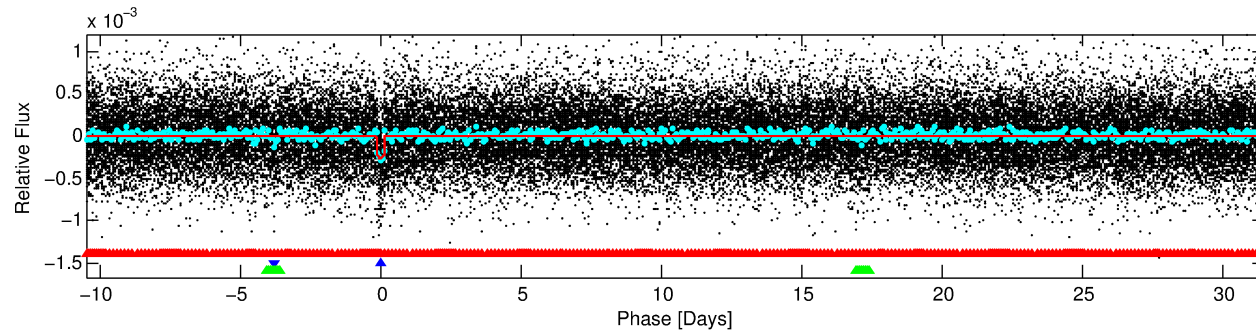
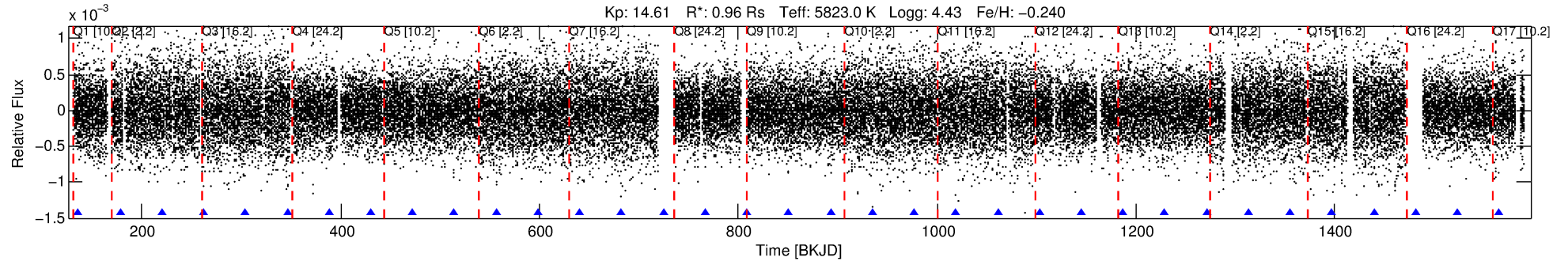
Ephemeris Match Information For 004466677-02

No Significant Match Found

DV One-Page Summary

KIC: 4466677 Candidate: 2 of 3 Period: 42.037 d

KOI: K01338.02 Corr: 0.973



DV Fit Results:

Period = 42.03737 [0.00047] d
Epoch = 136.2090 [0.0100] BKJD
Rp/R* = 0.0165 [0.0071]
a/R* = 31.14 [63.14]
b = 0.80 [0.94]
Seff = 18.20 [6.57]
Teff = 527 [48] K
Rp = 1.73 [0.88] Re
a = 0.2284 [0.0529] AU
Ag = 999.85 [955.07] [1.05 σ]
Teffp = 4579 [1031] K [3.93 σ]

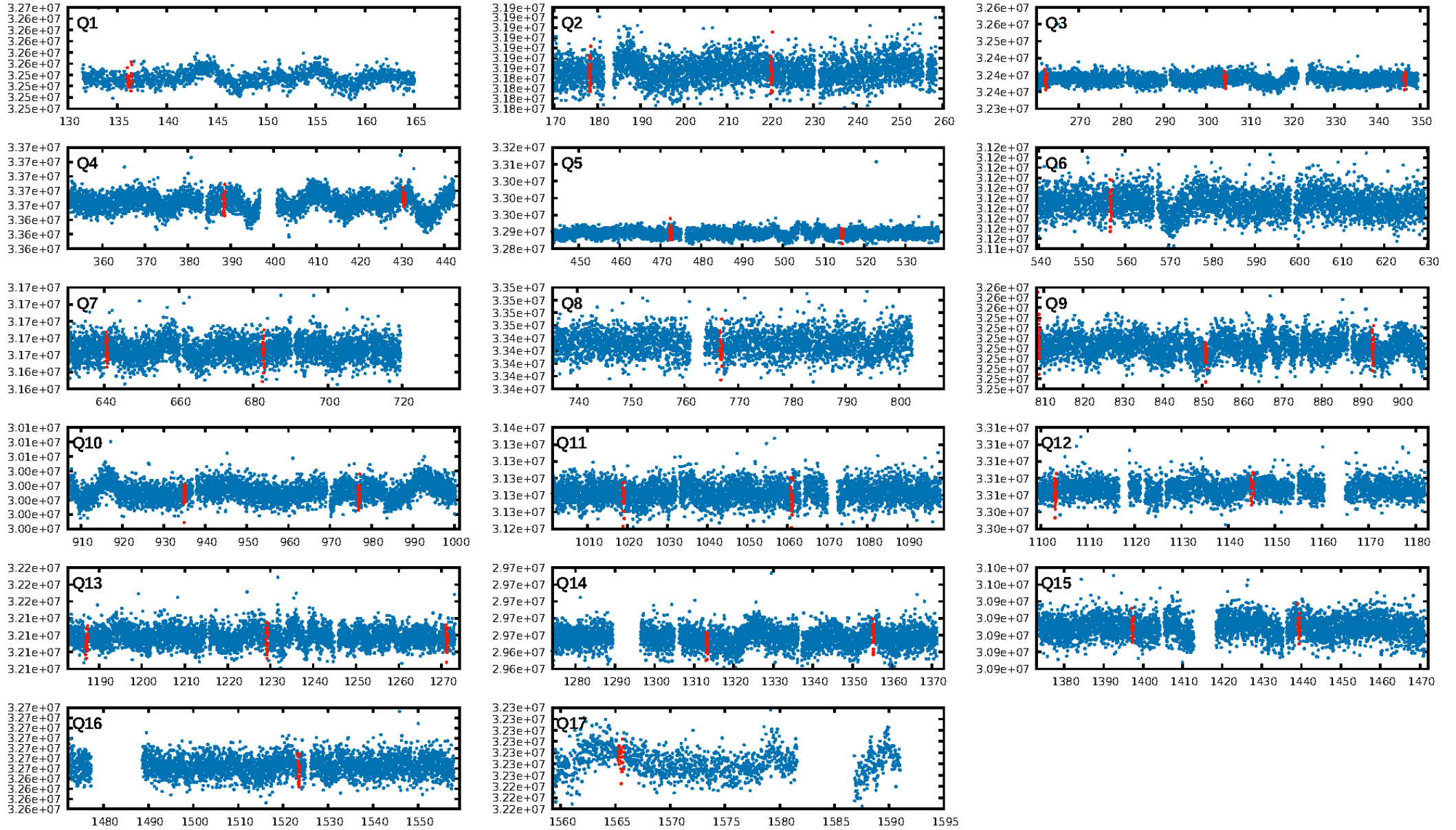
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [58.89 σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 60.7%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 2.10e-33
RollingBand-fgt: 1.00 [29/29]
GhostDiagnostic-chr: 0.9125
Centroid-sig: 30.7%
Centroid-so: 1.268 arcsec [1.14 σ]
OotOffset-rm: 0.440 arcsec [0.68 σ]
KicOffset-rm: 0.382 arcsec [0.50 σ]
OotOffset-st: 4/3/3/3 [13]
KicOffset-st: 4/3/3/3 [13]
DiffImageQuality-fgm: 0.62 [8/13]
DiffImageOverlap-fno: 0.65 [11/17]

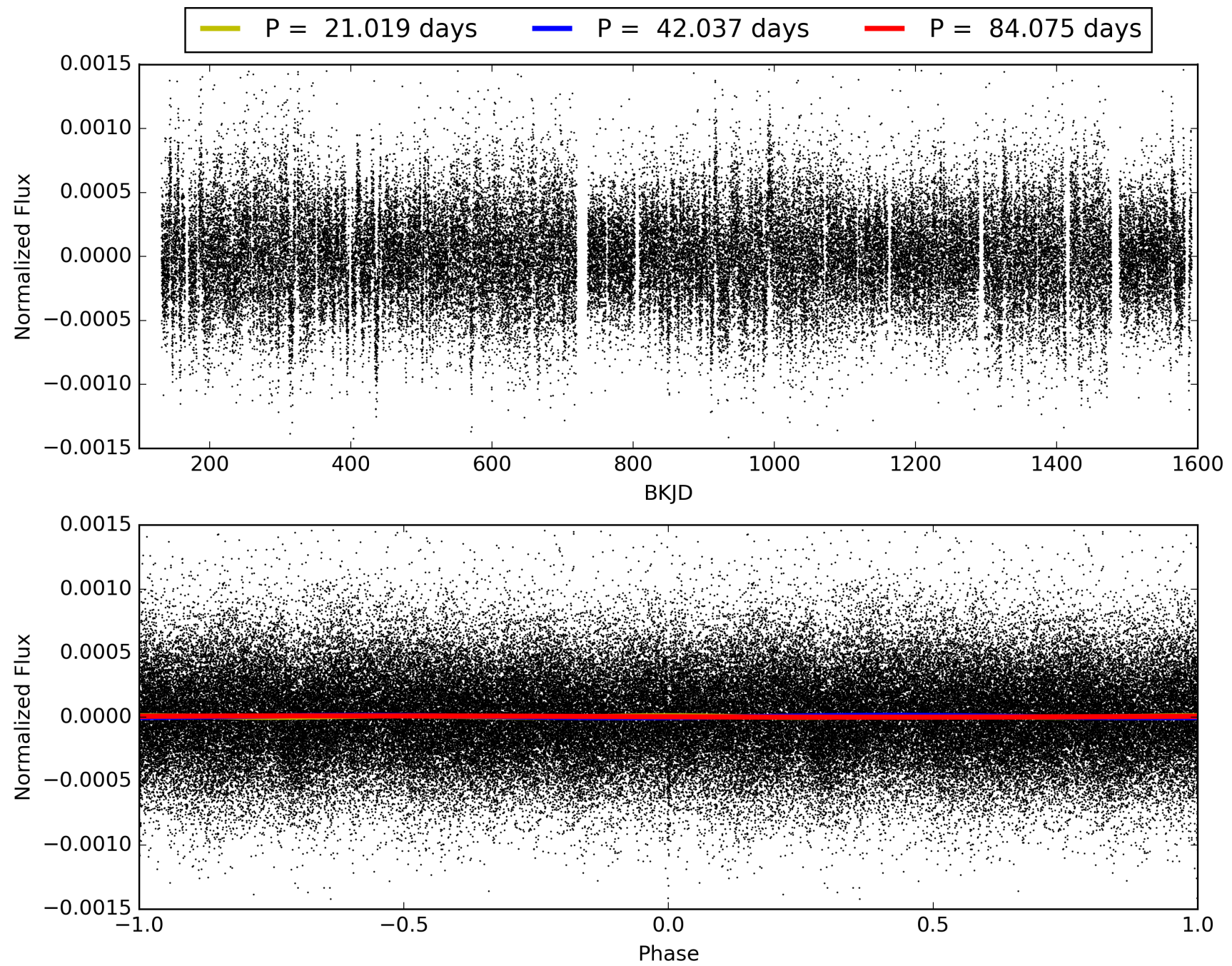
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 06:03:35 Z

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

TCE 00446677-02, PDC Light Curves

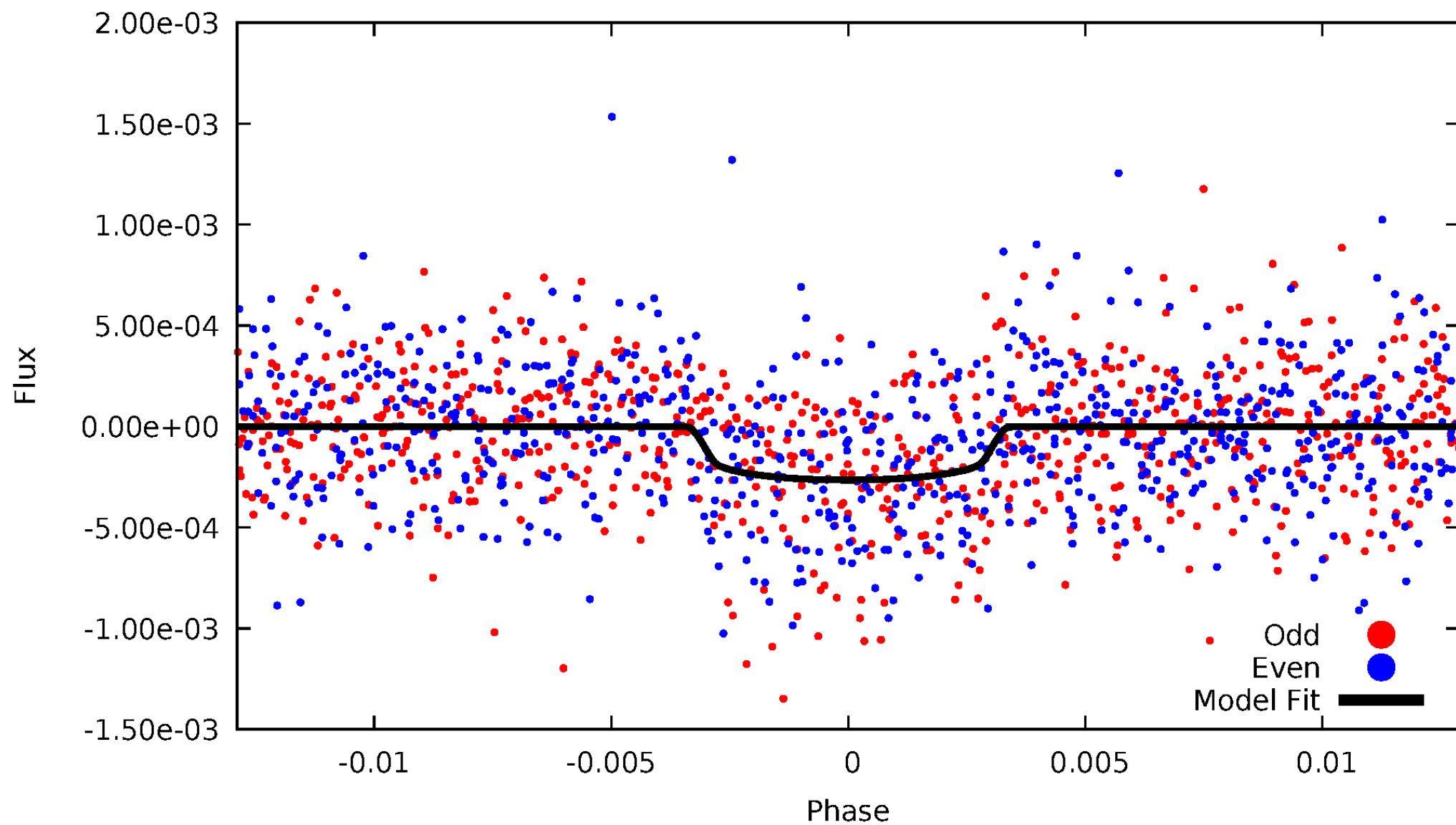


TCE 004466677-02



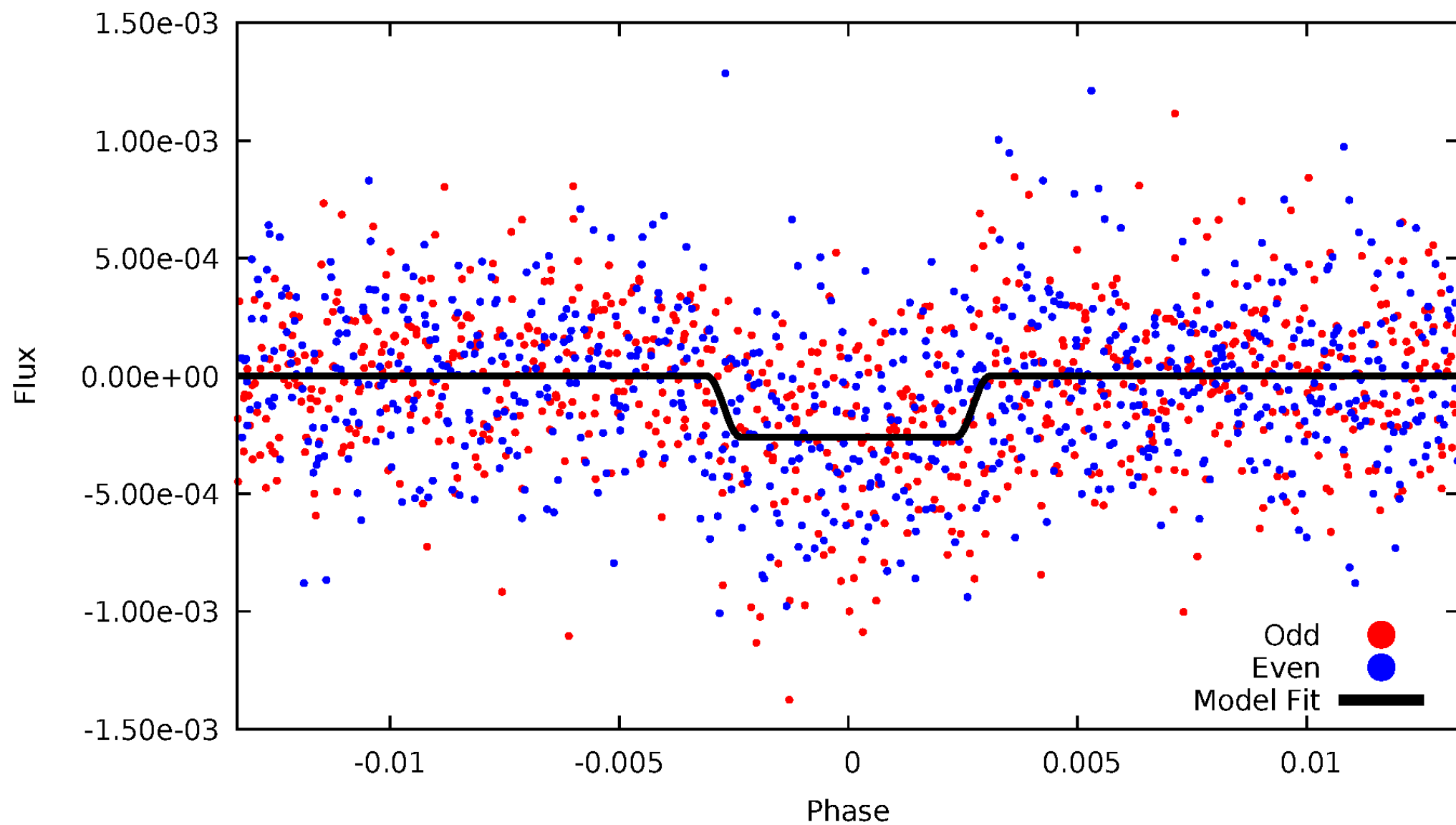
DV Odd/Even

TCE 004466677-02



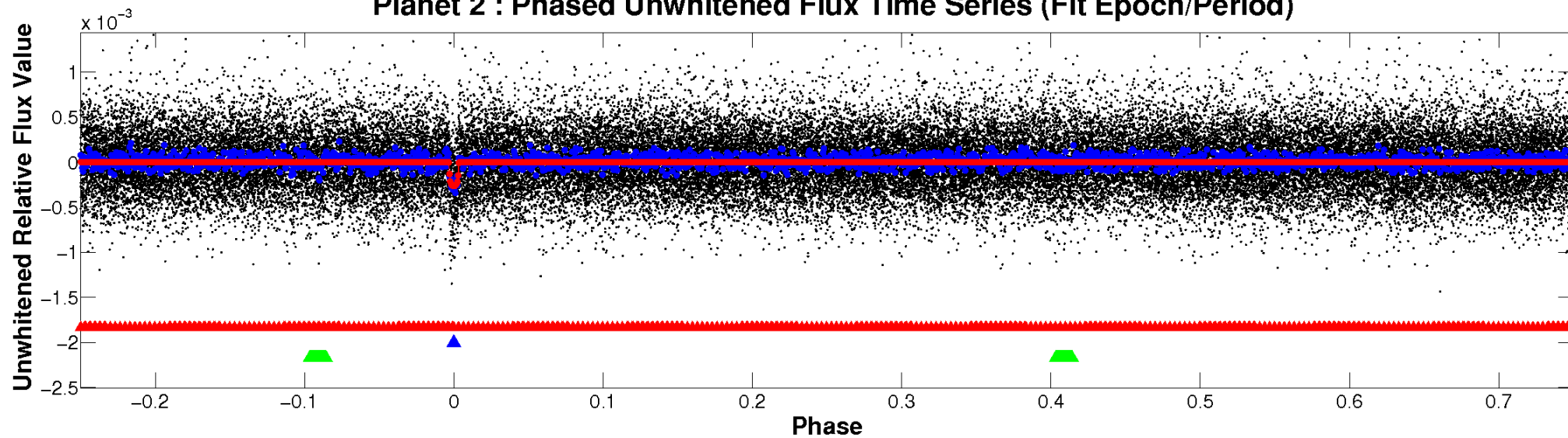
ALT Odd/Even

TCE 004466677-02

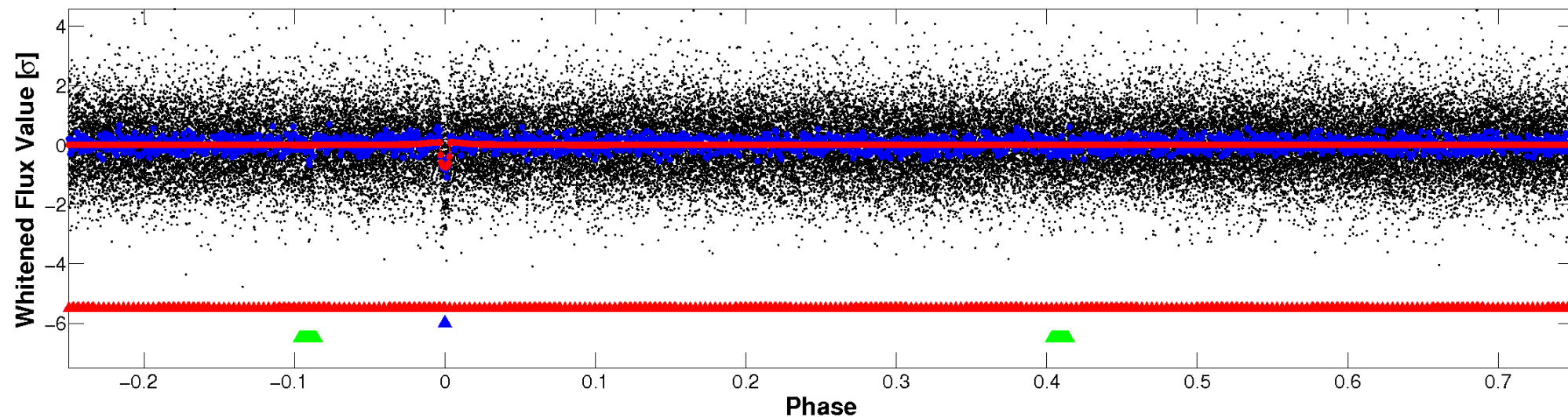


Non-Whitened Vs. Whitened Light Curve

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

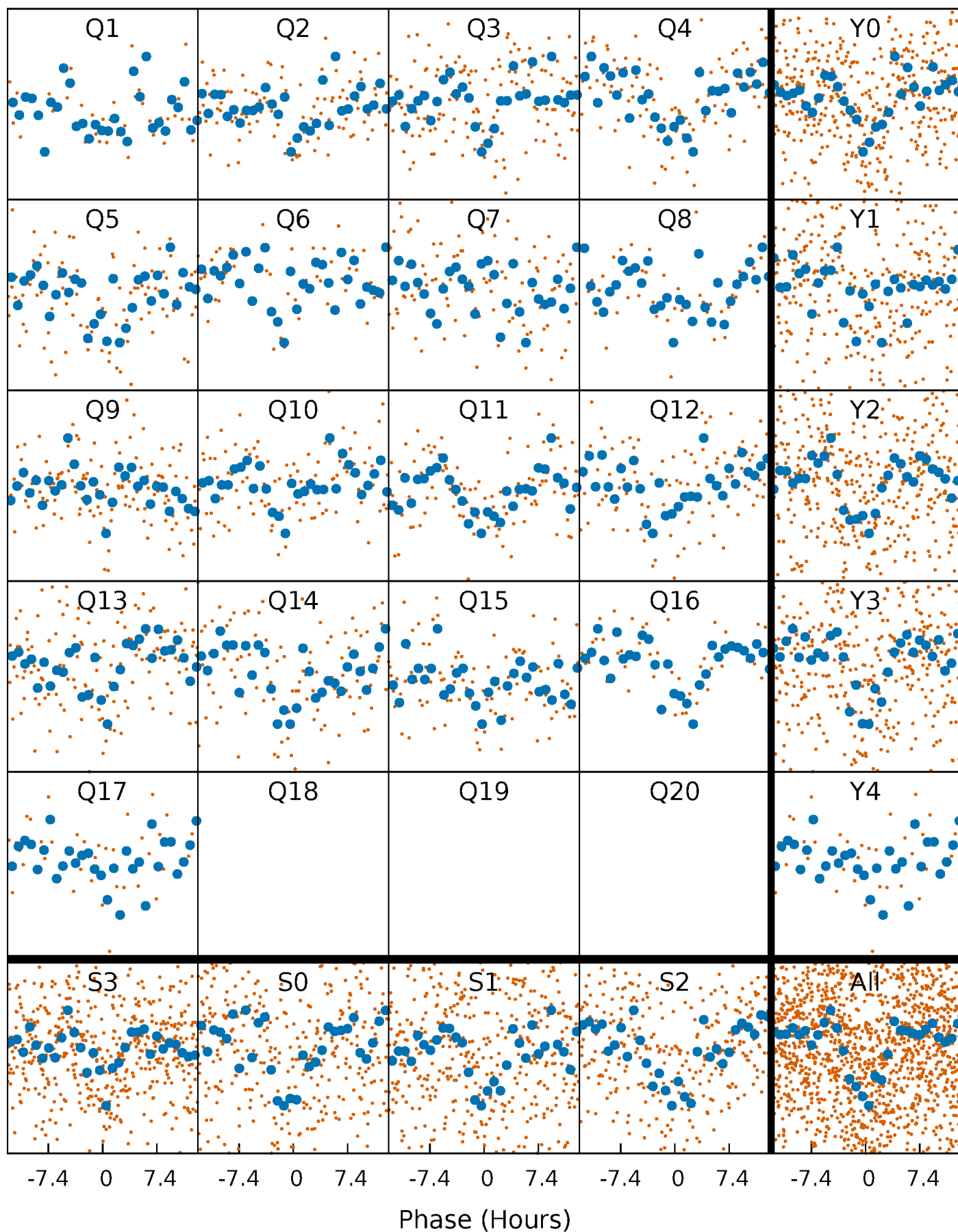


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



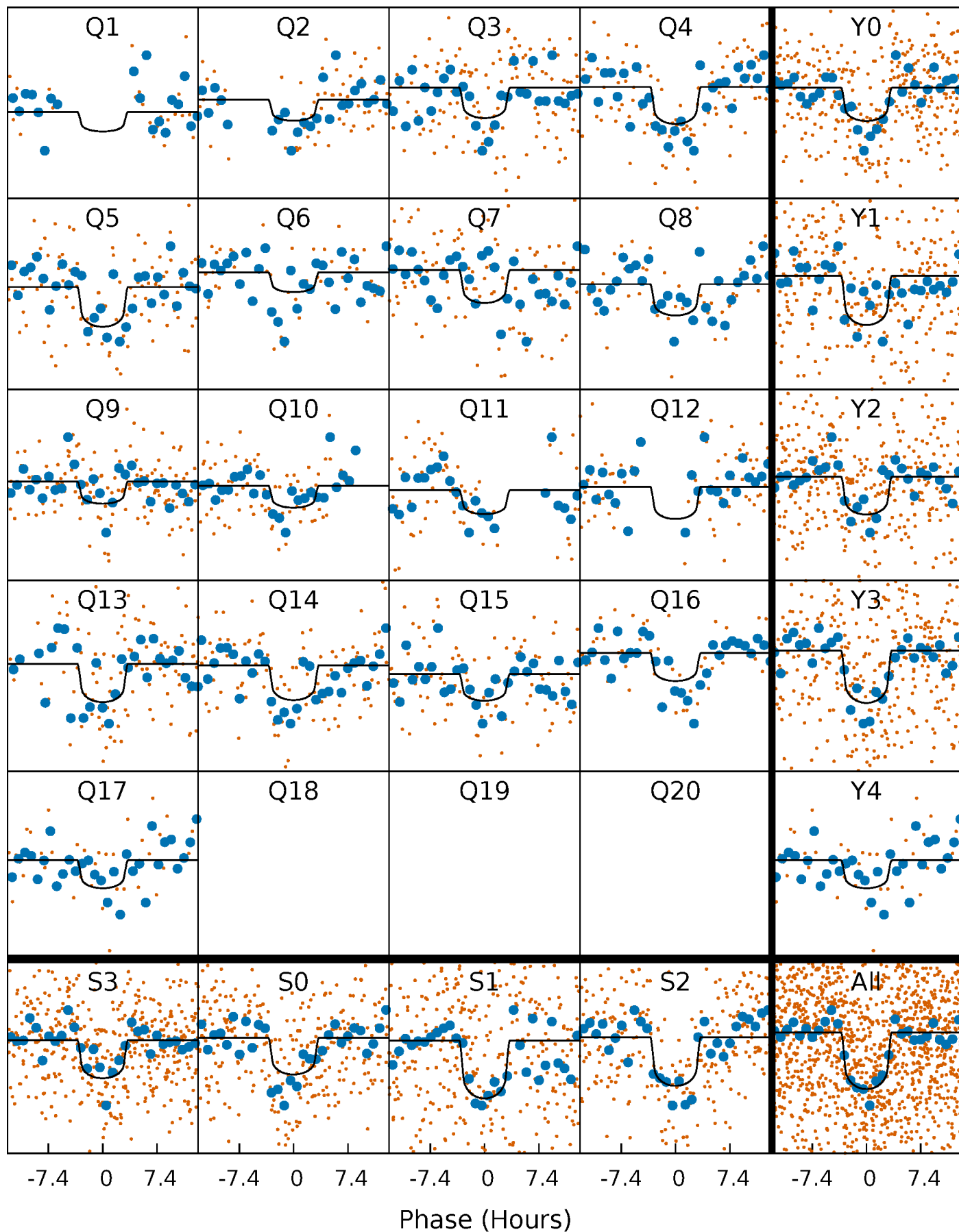
PDC Quarter-Phased Transit Curves

TCE 004466677-02 P= 42.037374 Days $T_0=136.208998$ (BKJD)



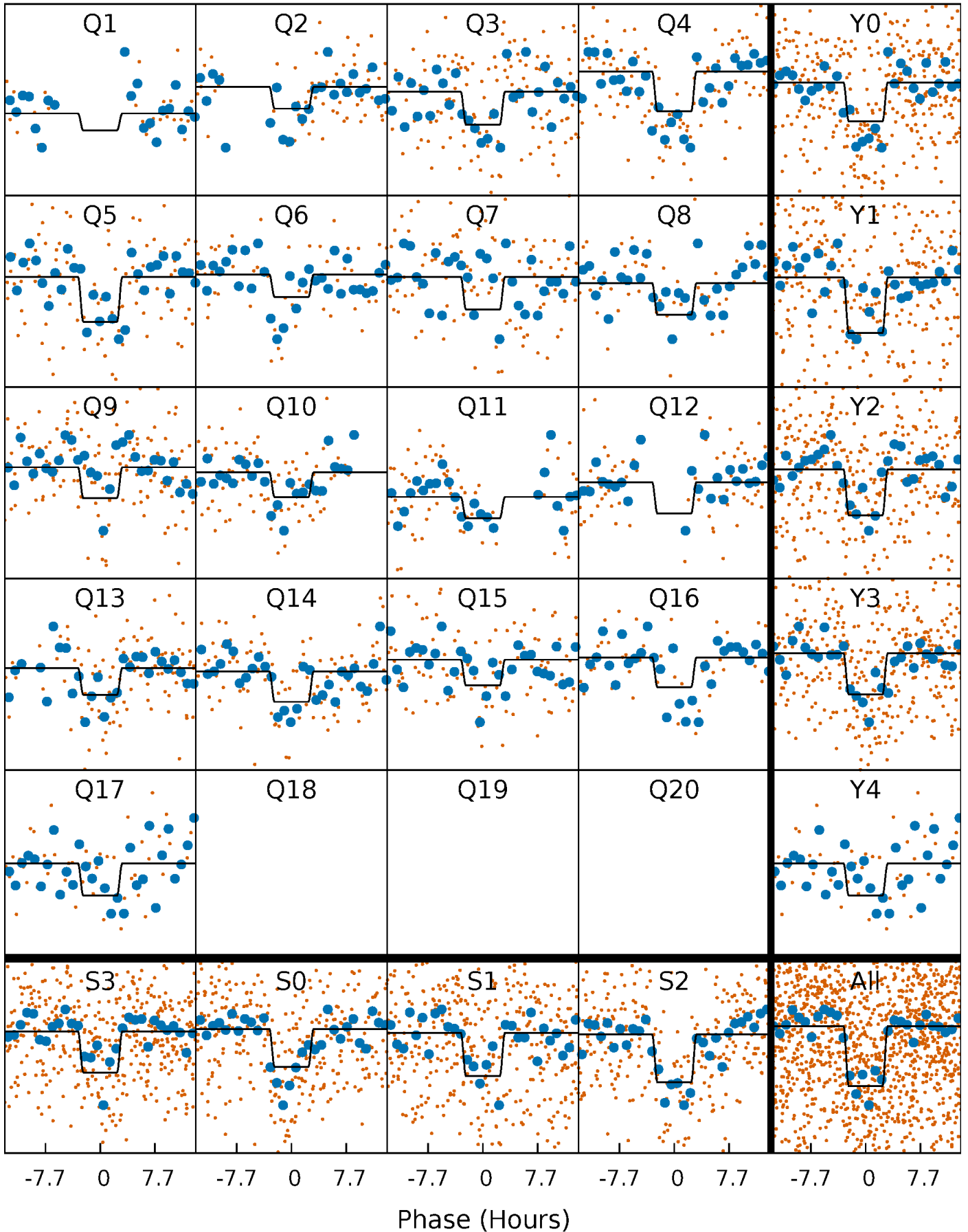
DV Quarter-Phased Transit Curves

TCE 004466677-02 P= 42.037374 Days $T_0=136.208998$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

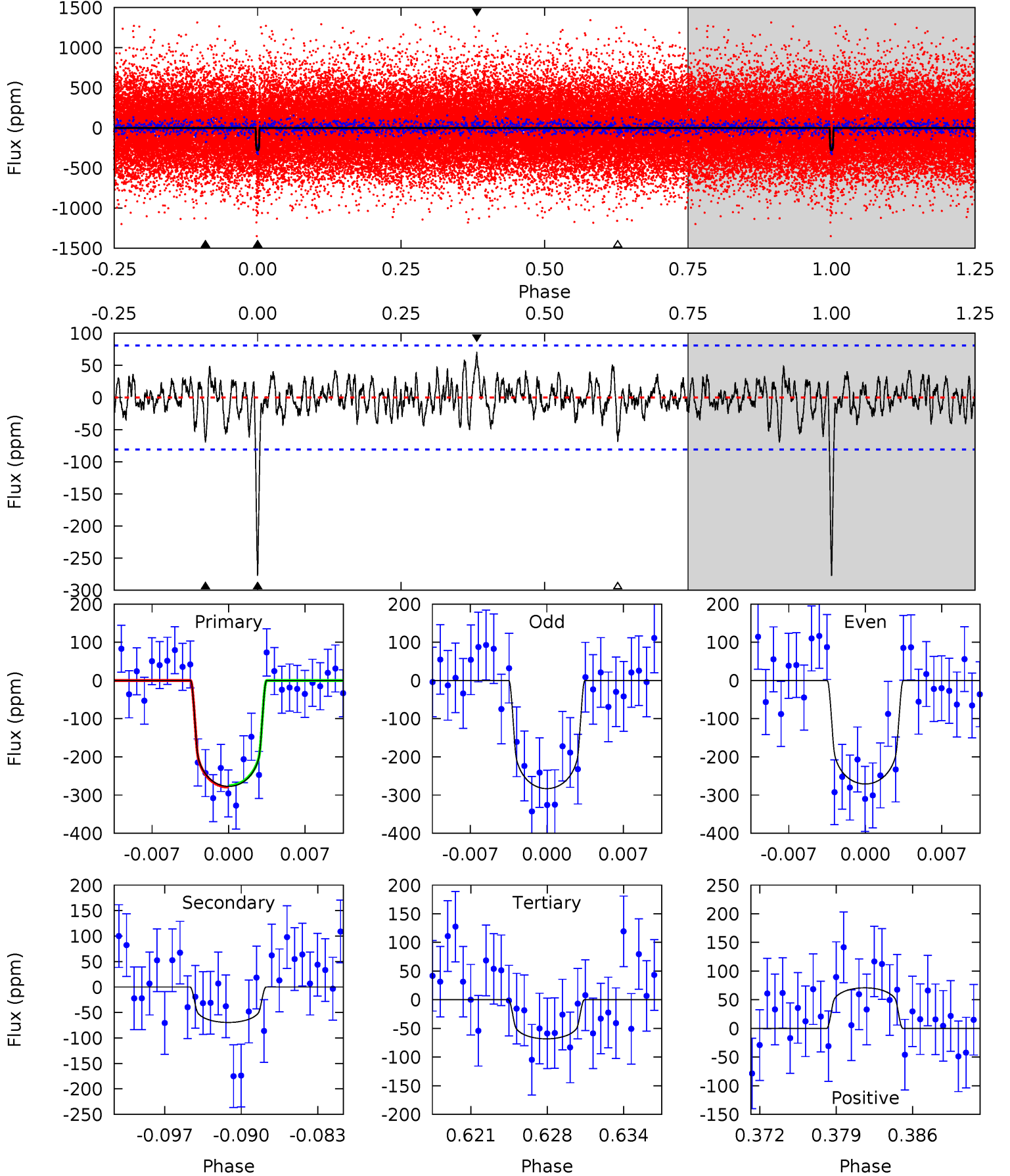
TCE 004466677-02 P= 42.036181 Days $T_0=136.228149$ (BKJD)



DV Model-Shift Uniqueness Test

004466677-02, P = 42.037374 Days, E = 94.171624 Days

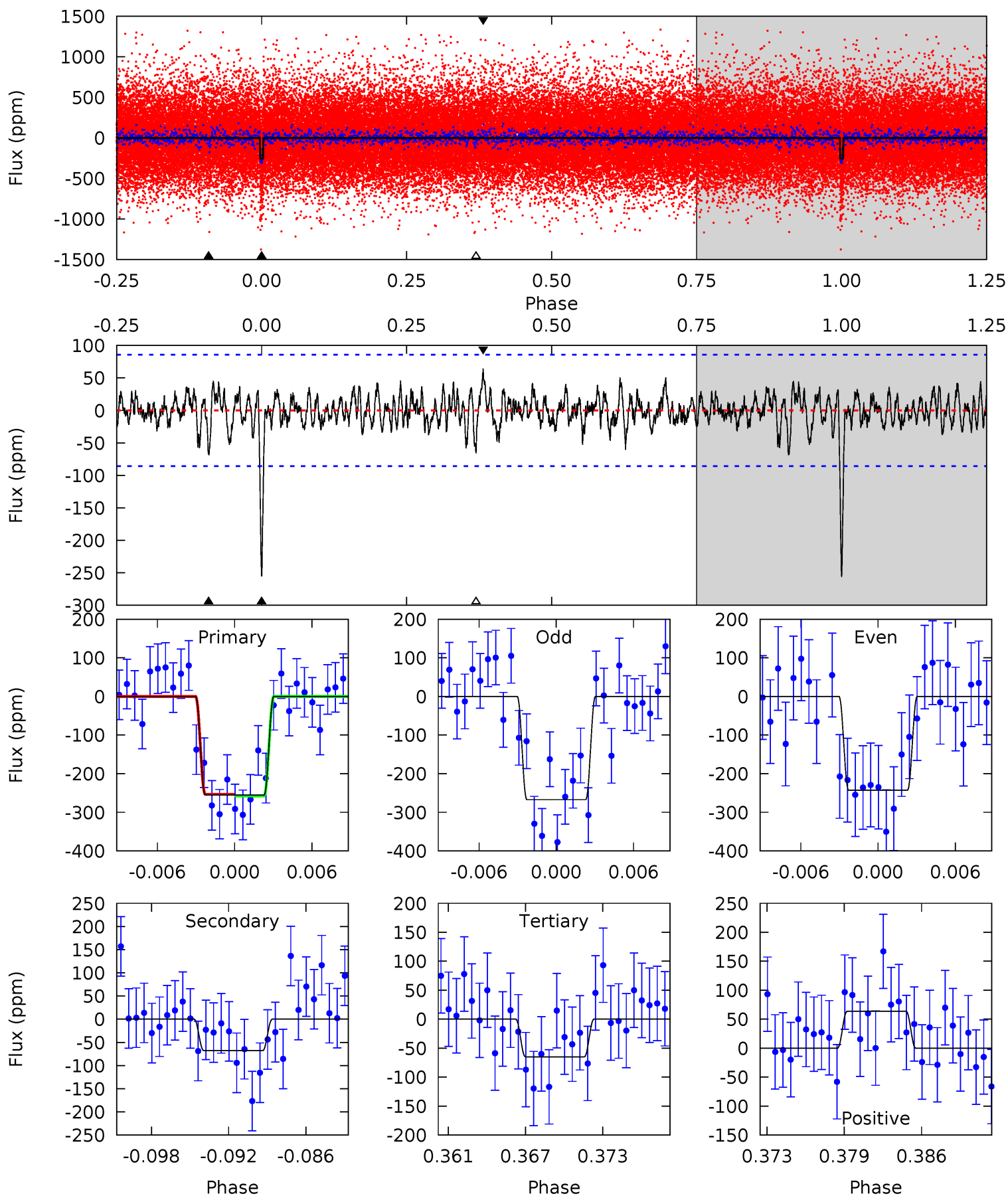
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
17.4	4.38	4.29	4.46	5.10	2.70	1.27	13.1	13.0	0.09	-0.08	0.38	0.98	0.20	0.13



Alt Model-Shift Uniqueness Test

004466677-02, P = 42.036181 Days, E = 94.191968 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
15.2	4.04	3.88	3.80	5.12	2.74	1.14	11.4	11.4	0.17	0.25	0.73	0.88	0.20	0.13



Stellar Parameters For KIC 004466677

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5823^{+157}_{-174}	$4.427^{+0.101}_{-0.188}$	$-0.240^{+0.300}_{-0.300}$	$0.960^{+0.261}_{-0.140}$	$0.899^{+0.121}_{-0.088}$	$1.431^{+0.739}_{-0.697}$
	+3%/-3%	+2%/-4%	+125%/-125%	+27%/-15%	+13%/-10%	+52%/-49%
Source	PHO1	KIC0	KIC0	DSEP		

KIC = Kepler Input Catalog; PHO = Photometry; SPE = Spectroscopy; AST = Asteroseismology
 TRA = Transits; DESP = Dartmouth Models; MULT = Multiple Models

Secondary Eclipse Parameters for KIC 004466677-02 / KOI 1338.02

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-70 ± 16	$1.74^{+0.86}_{-0.72}$	742^{+54}_{-40}	4344^{+1104}_{-541}	633^{+1247}_{-343}
Alt.	-68 ± 17	$1.71^{+0.91}_{-0.73}$	744^{+49}_{-41}	4368^{+1189}_{-605}	650^{+1354}_{-373}

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 $A_{\text{obs}} \gg 1.0$

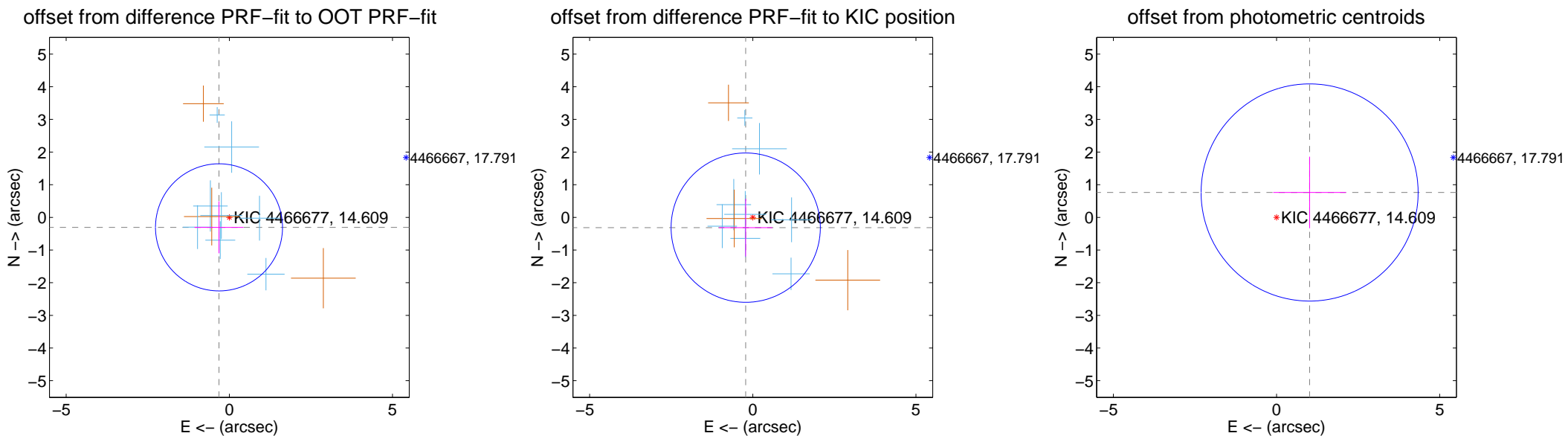
DV Centroid Data

Supplemental centroid analysis for 004466677-02. Kepler magnitude: 14.61. Transit SNR 12.17

There are 8 quarters with good PRF difference image offsets

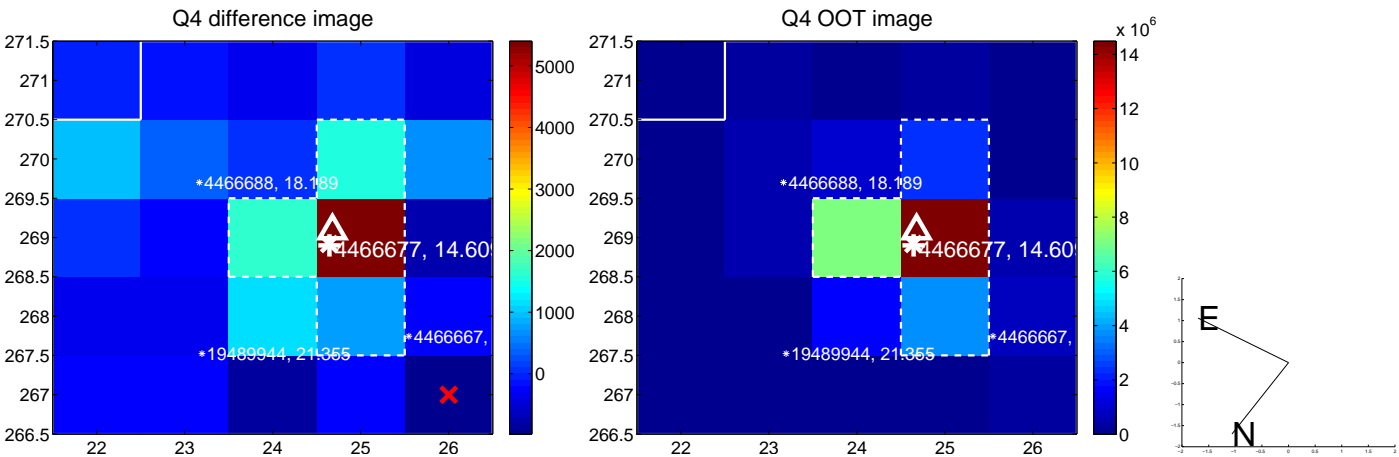
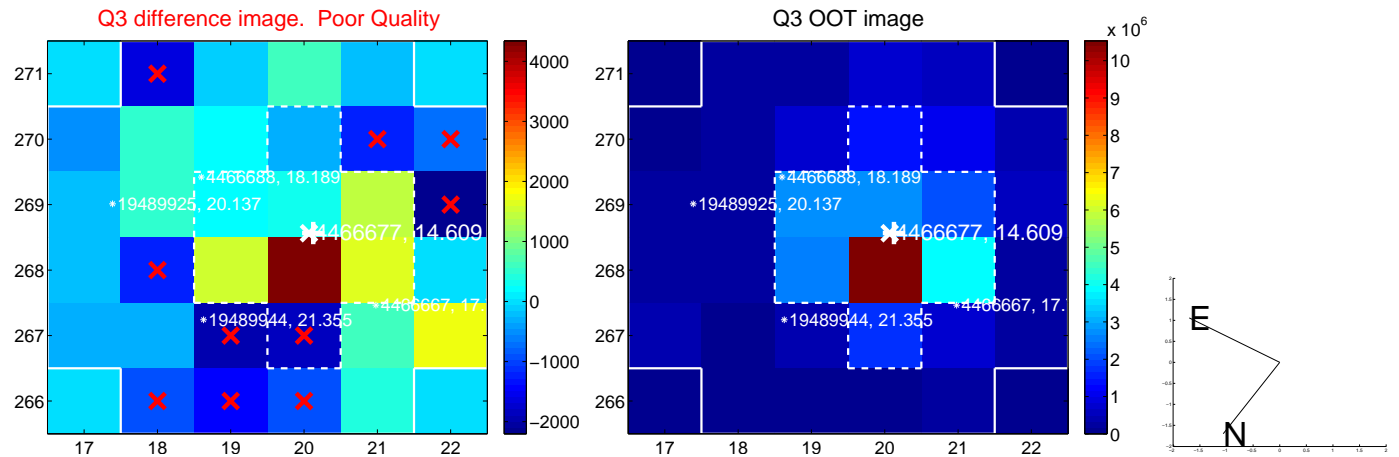
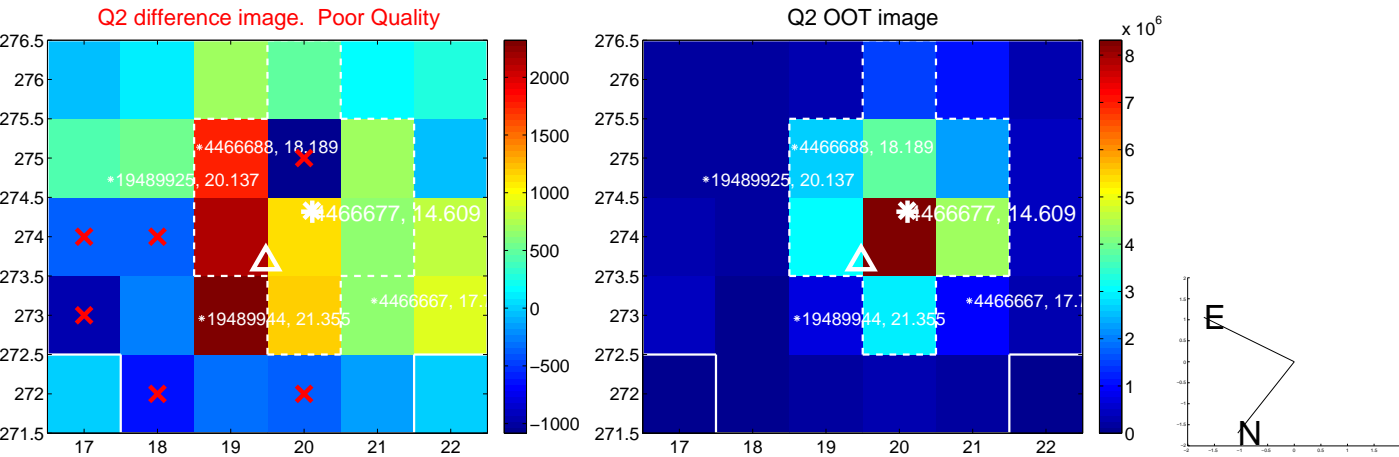
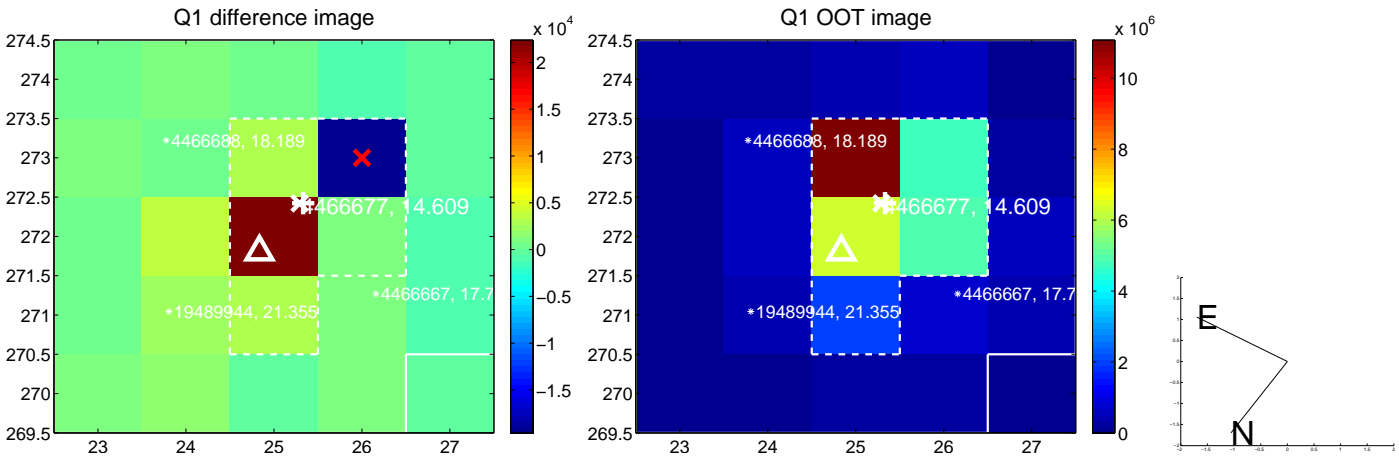
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.440 ± 0.649	0.68	0.316 ± 0.753	-0.305 ± 0.793
PRF-fit source offset from KIC position	0.382 ± 0.762	0.50	0.217 ± 0.816	-0.314 ± 0.881
photometric centroid source offset	1.27 ± 1.11	1.14	-1.01 ± 1.12	0.76 ± 1.10

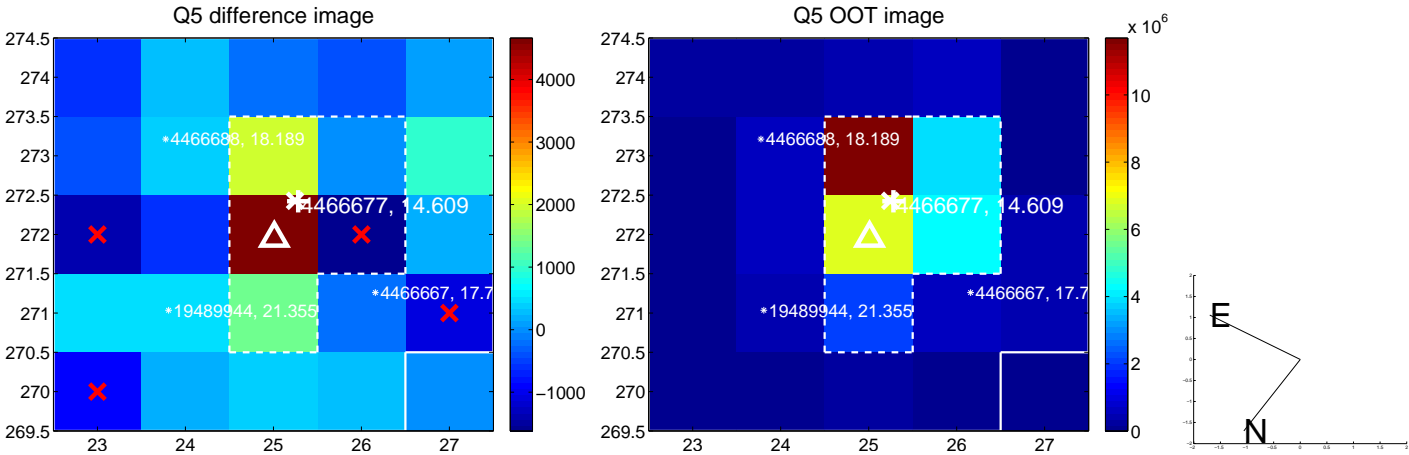


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

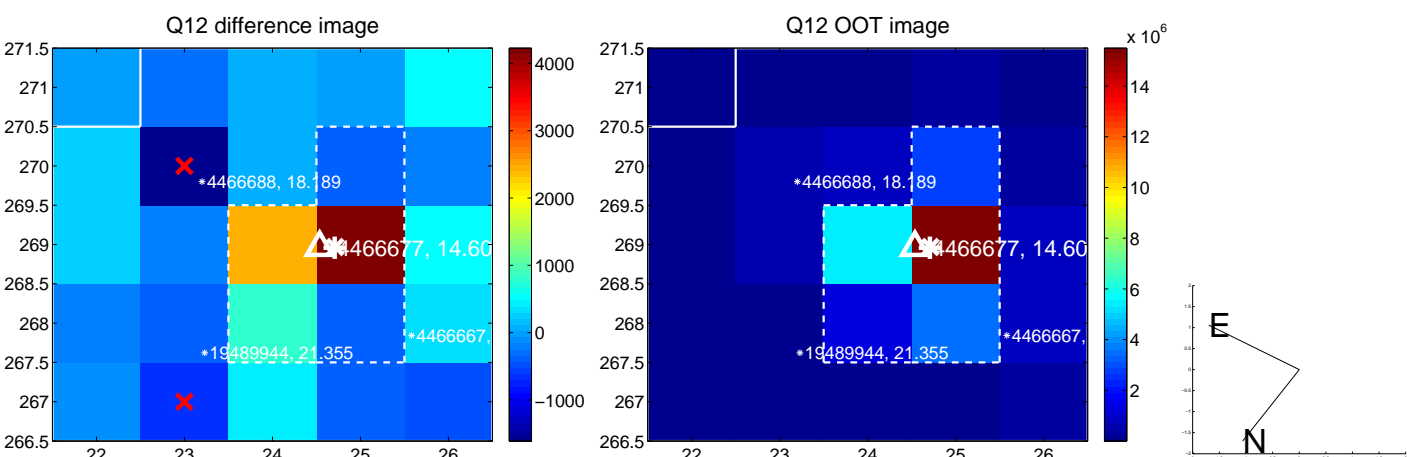
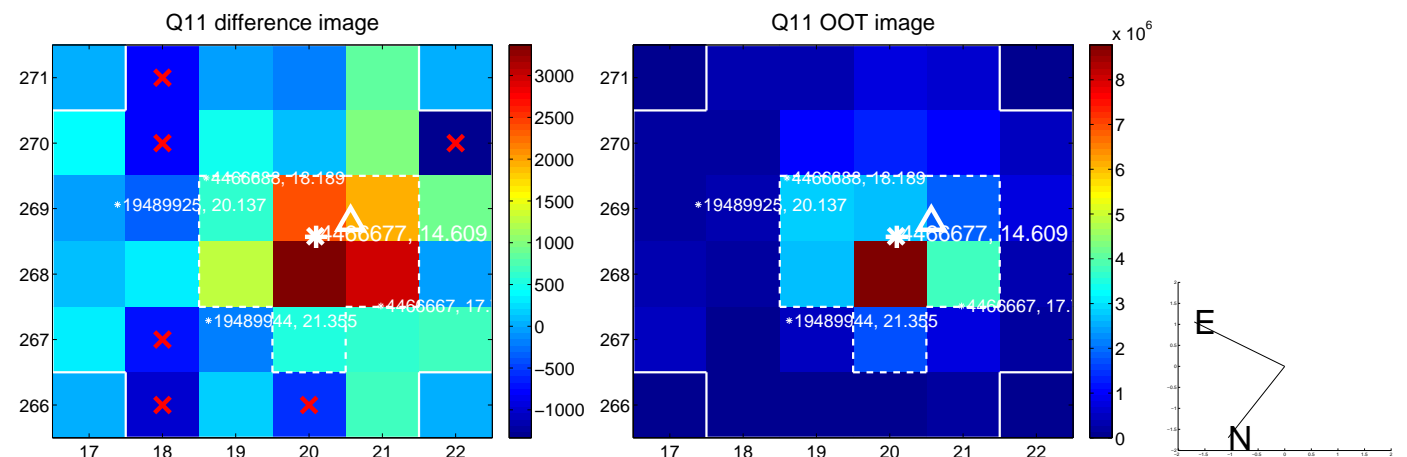
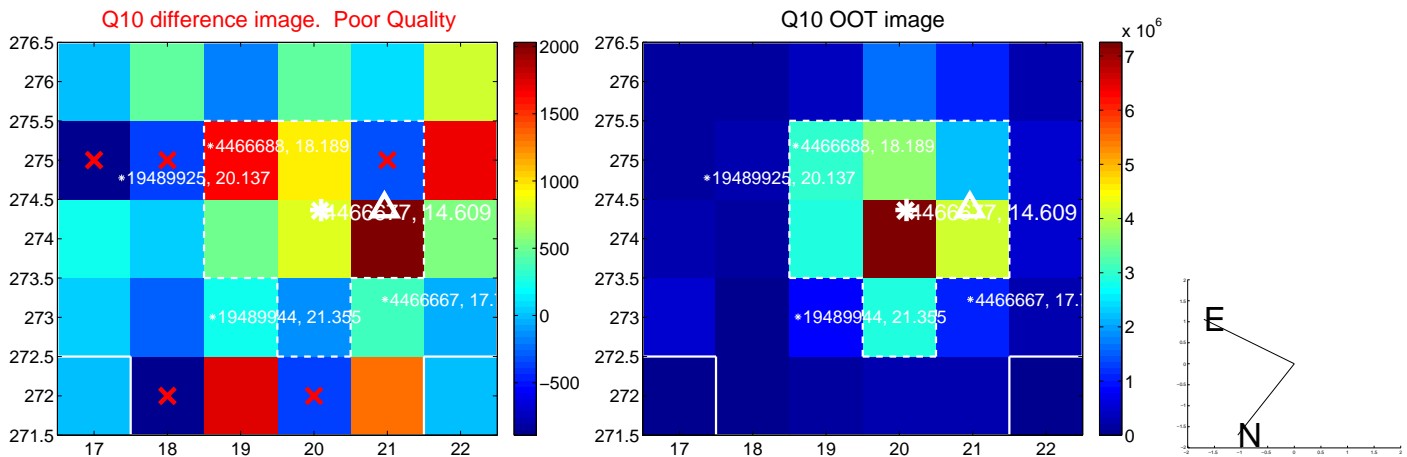
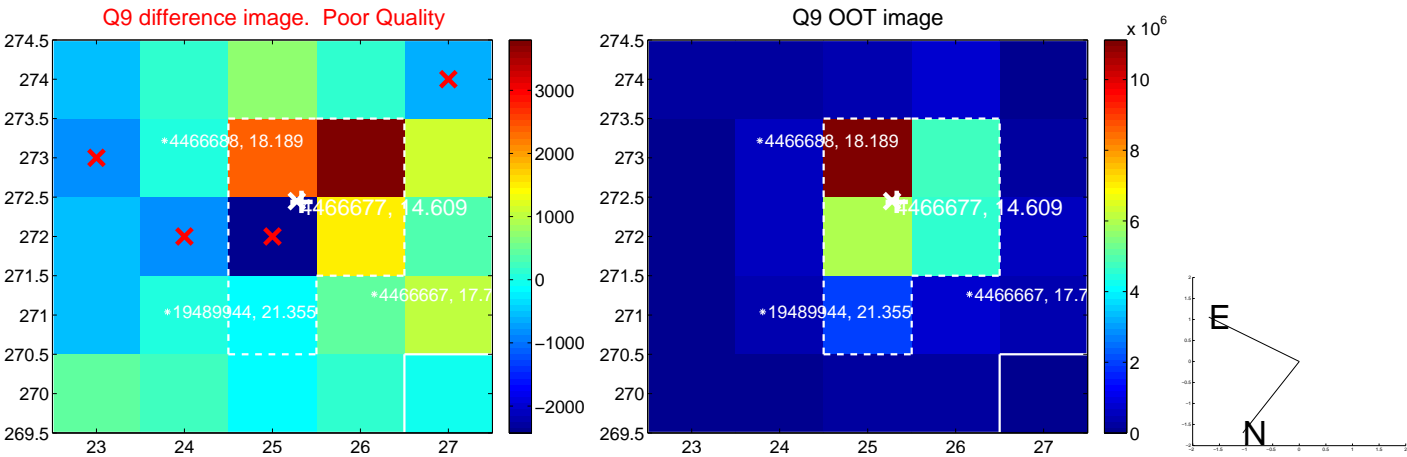
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



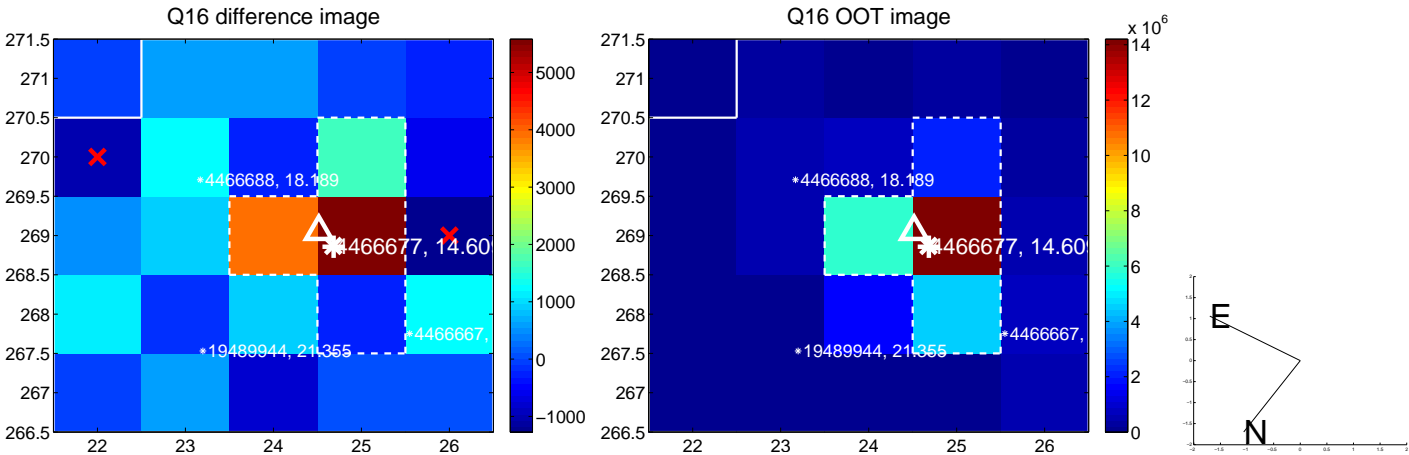
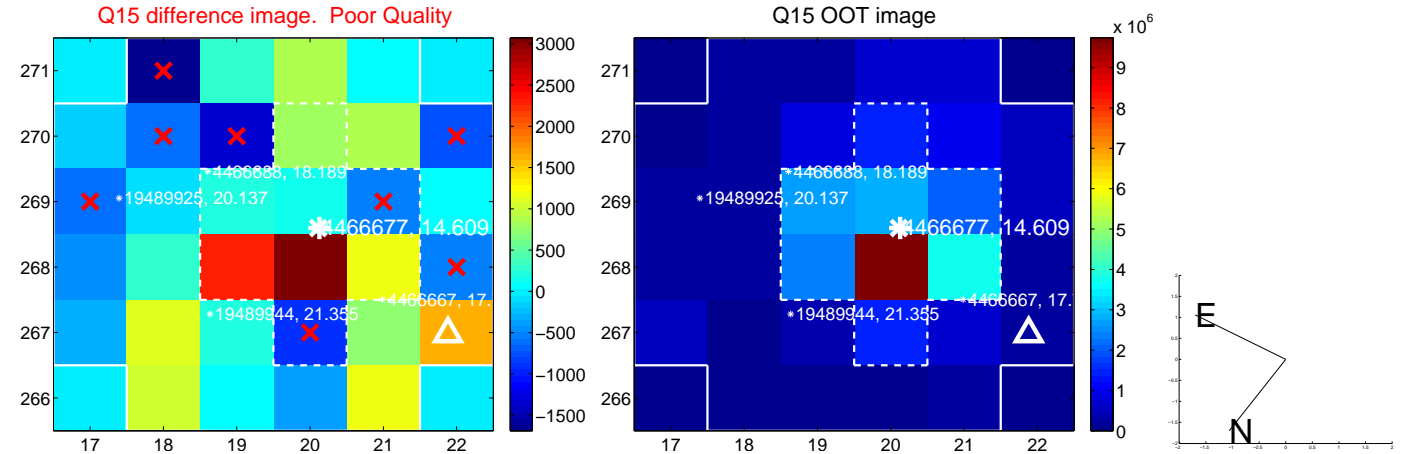
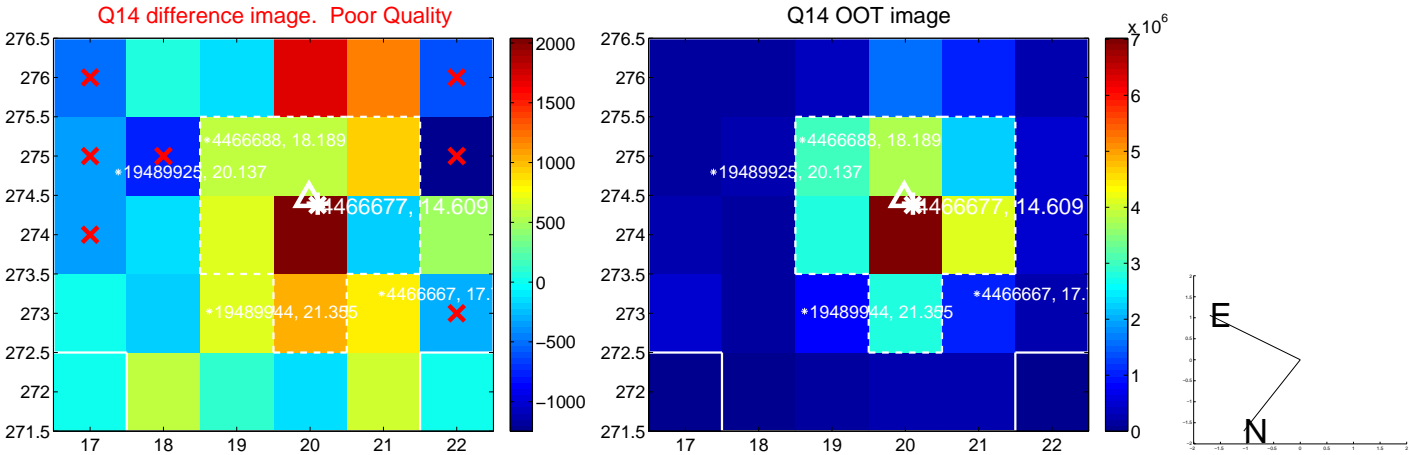
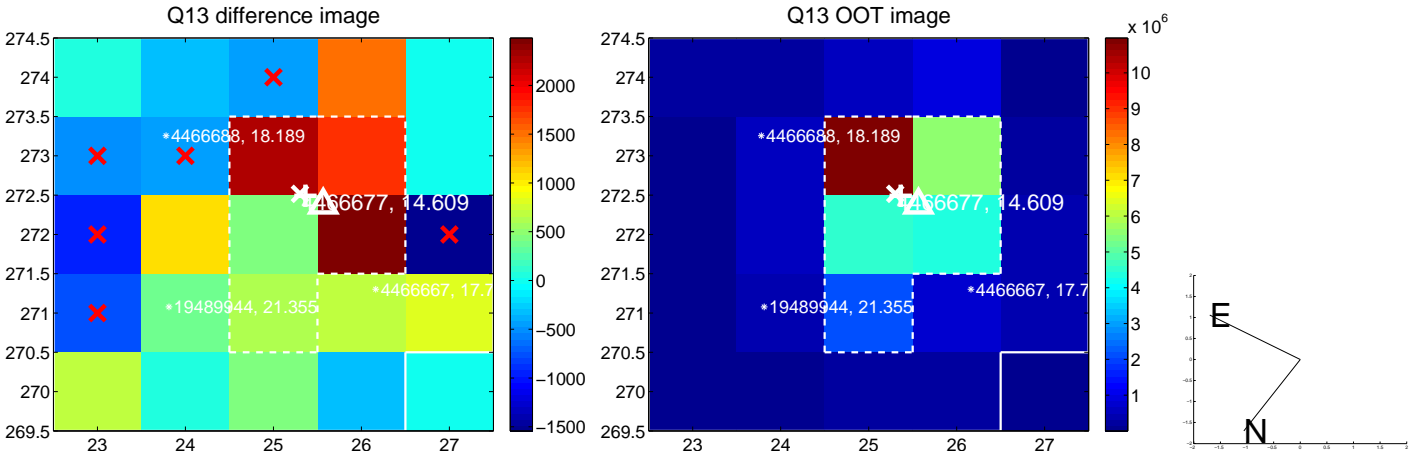
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



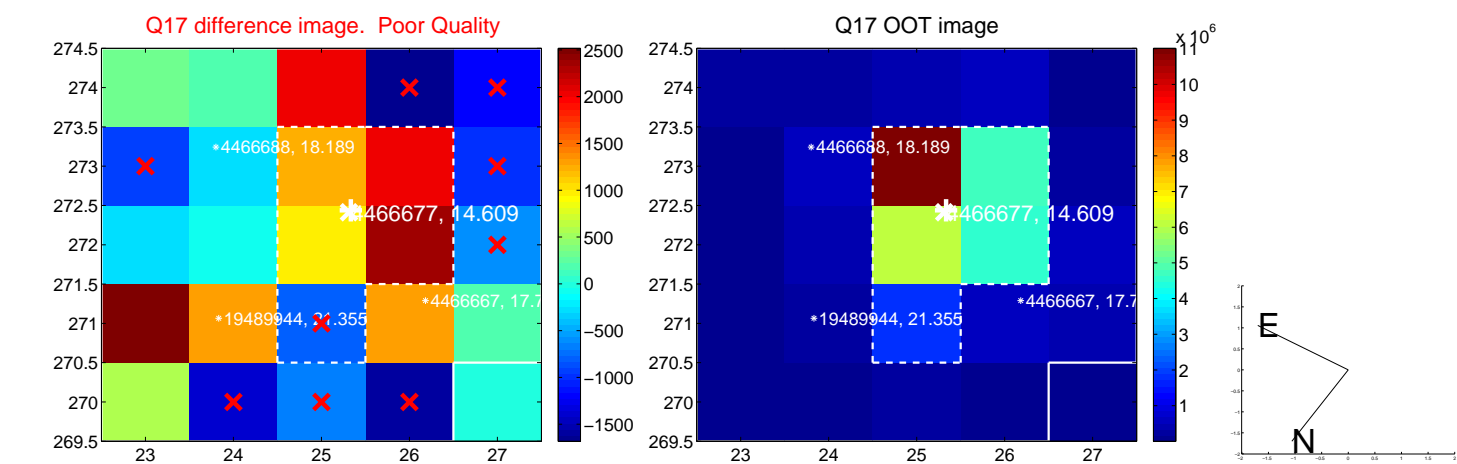
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



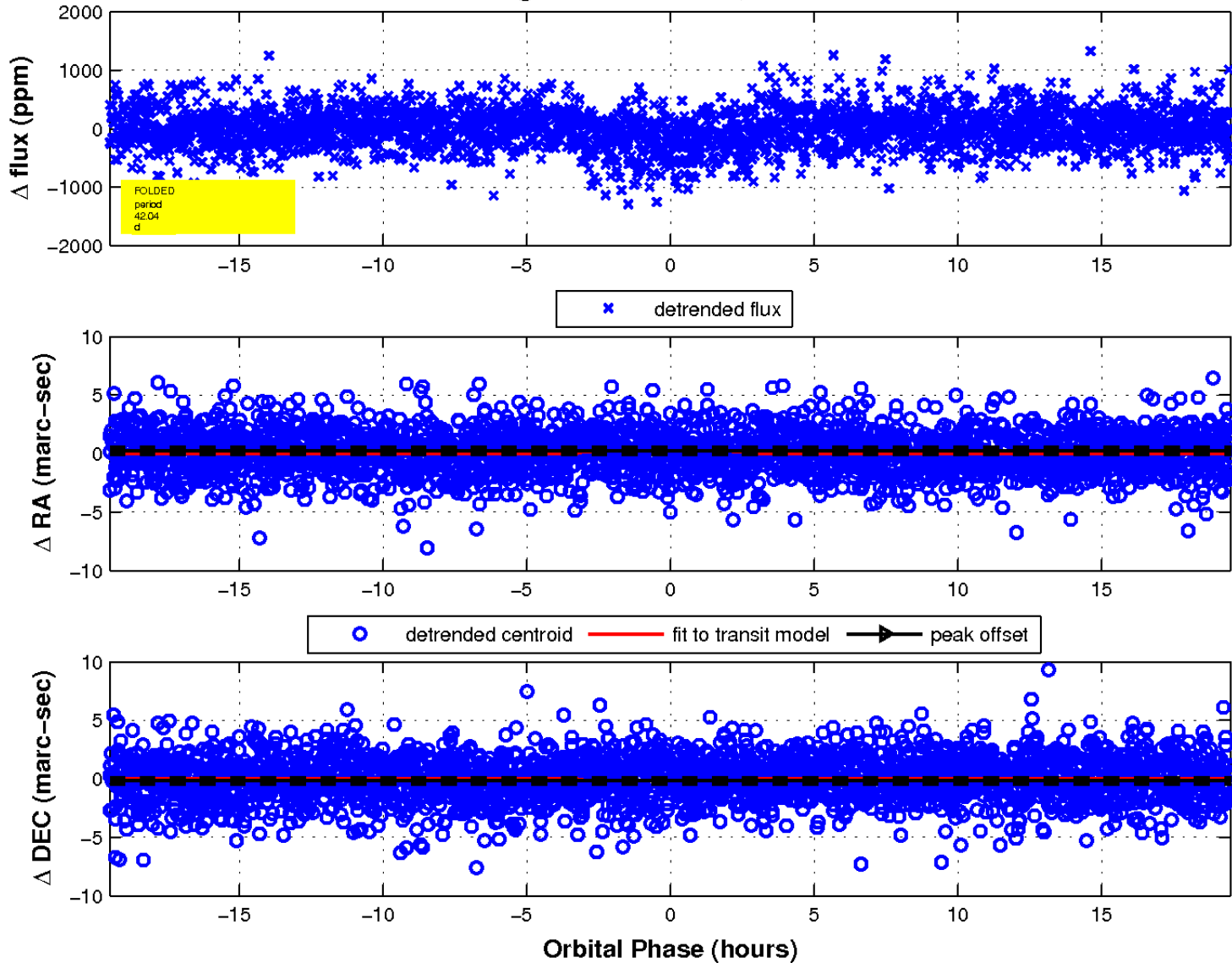
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

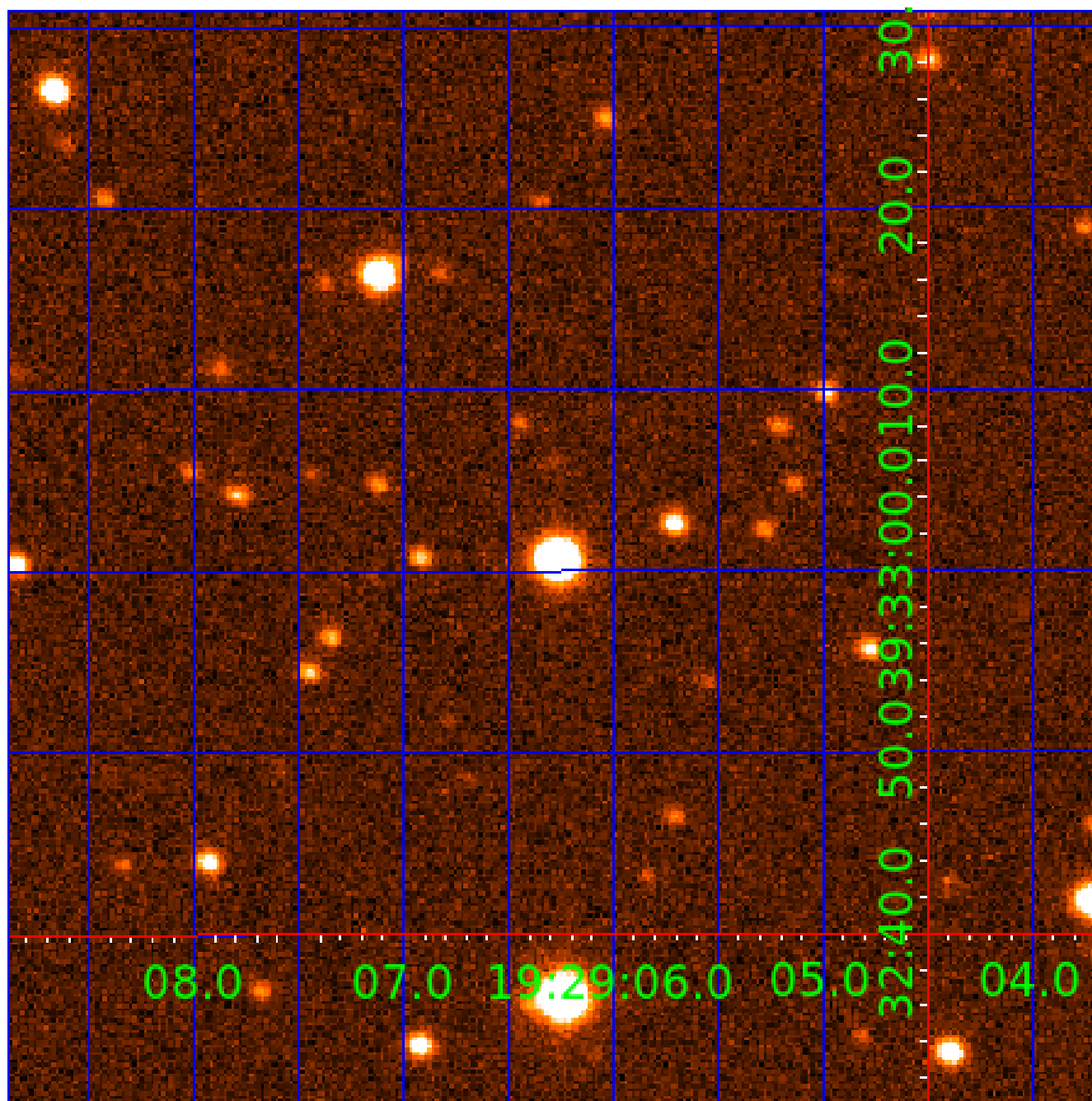


fluxWeightedCentroids, Planet 2 of 3



UKIRT Image

Declination



KIC 004466677

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})
004466677-01	OBS	1338.01	3.222968	132.950013	230.9	2.908	26.3	29.5	0.96	5823	1.66	558.88
004466677-02	OBS	1338.02	42.037374	136.208998	265.5	6.503	12.1	12.2	0.96	5823	1.73	18.20
004466677-03	OBS	1338.03	21.011858	132.612285	153.3	5.578	7.7	9.1	0.96	5823	1.31	45.89

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
004466677-01	OBS	PC	1.00	0	0	0	0	NO_COMMENT
004466677-02	OBS	PC	1.00	0	0	0	0	NO_COMMENT
004466677-03	OBS	PC	0.75	0	0	0	0	NO_COMMENT

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.

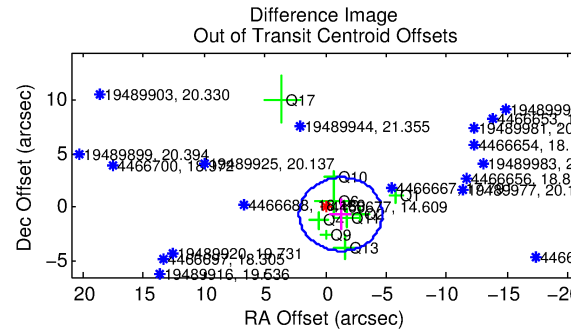
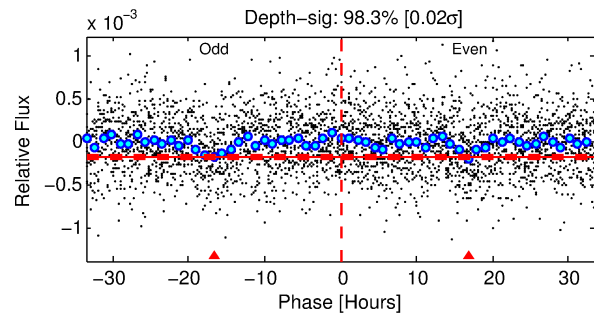
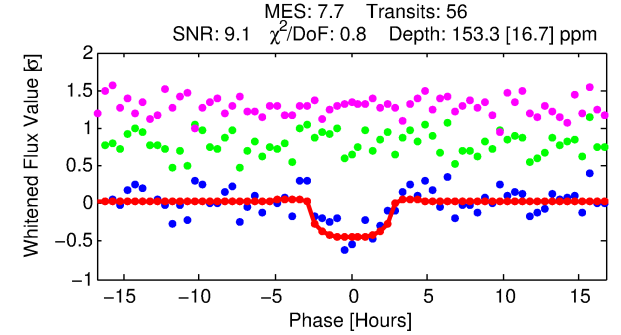
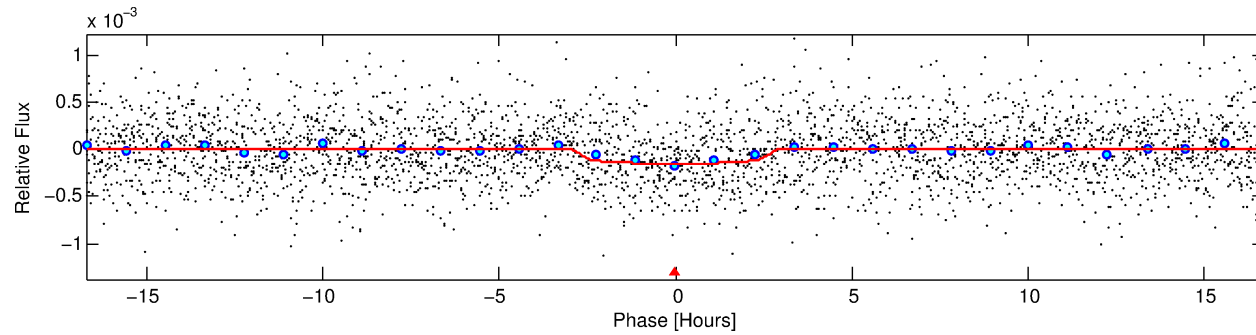
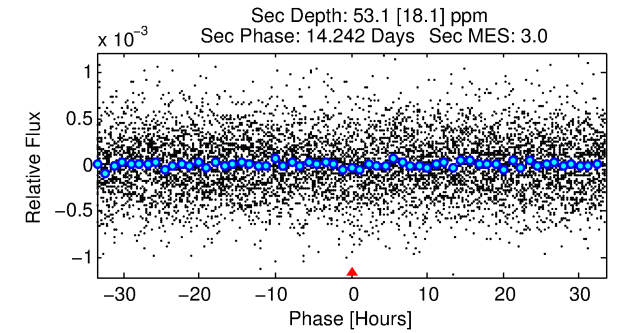
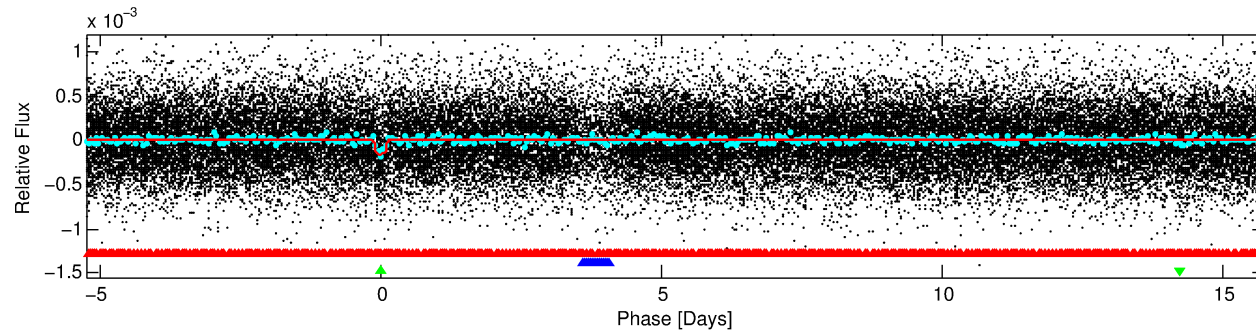
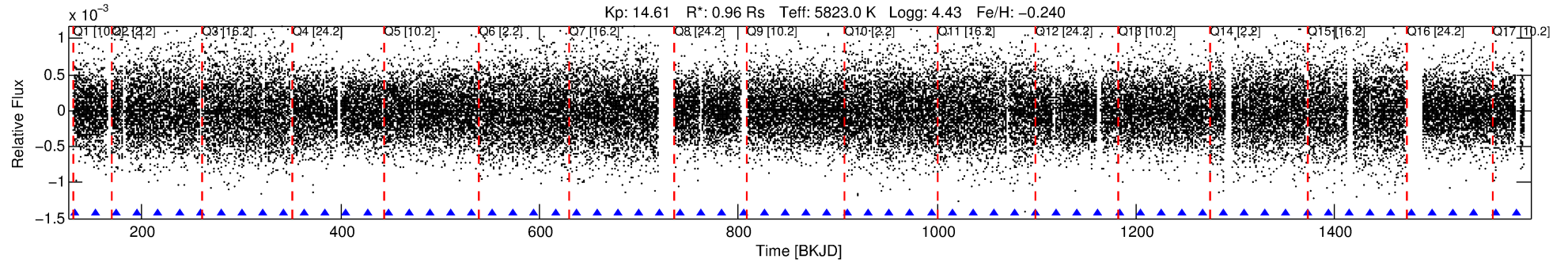
Ephemeris Match Information For 004466677-03

No Significant Match Found

DV One-Page Summary

KIC: 4466677 Candidate: 3 of 3 Period: 21.012 d

KOI: K01338.03 Corr: 0.870



DV Fit Results:

Period = 21.01186 [0.00030] d
Epoch = 132.6123 [0.0115] BKJD
Rp/R* = 0.0125 [0.0086]
a/R* = 18.18 [58.84]
b = 0.79 [1.55]
Seff = 45.89 [16.57]
Teff = 664 [60] K
Rp = 1.31 [0.97] Re
a = 0.1438 [0.0333] AU
Ag = 351.13 [510.09] [0.69σ]
Teffp = 4442 [1574] K [2.40σ]

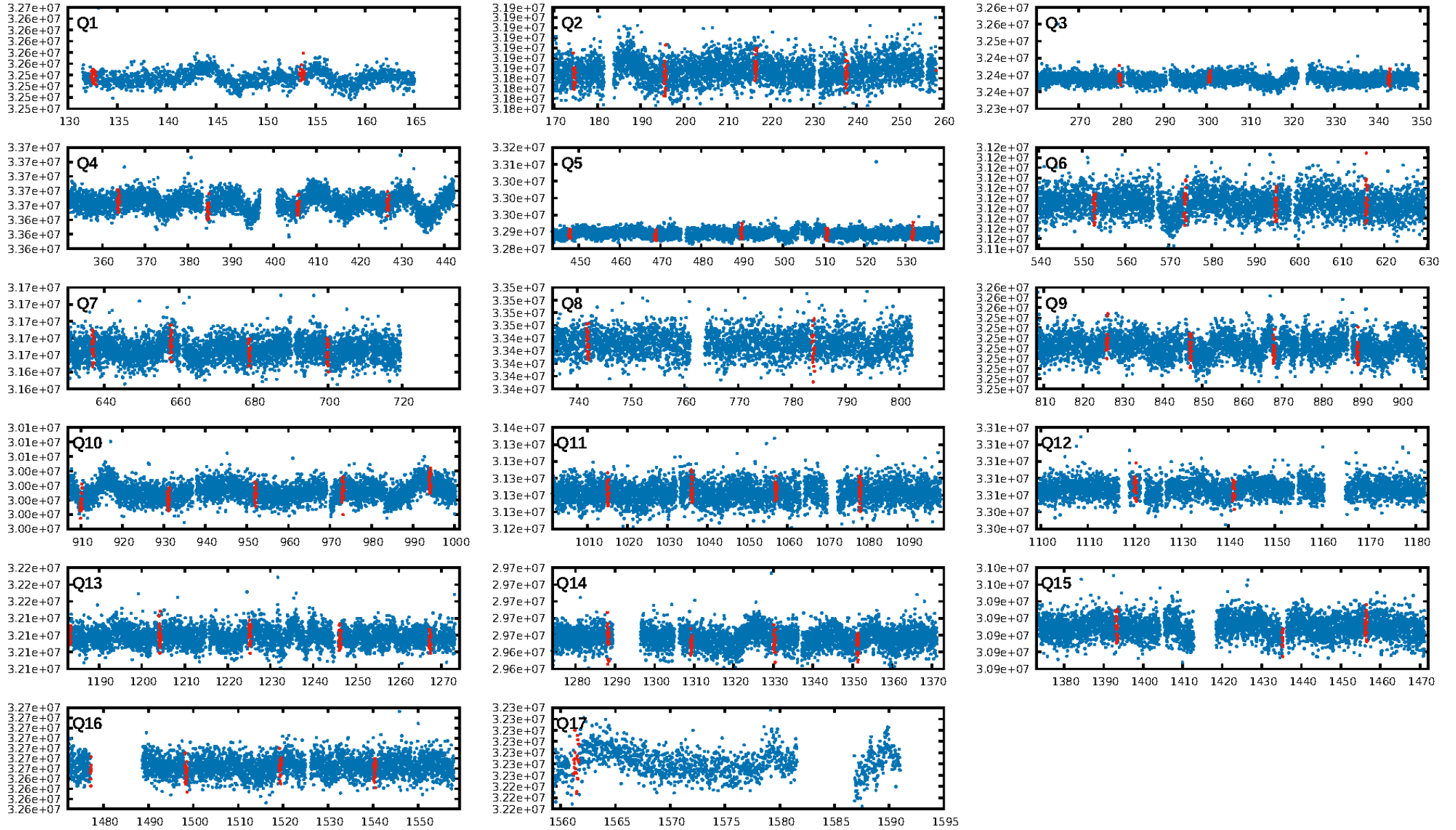
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [67.87σ]
LongPeriod-sig: 100.0% [58.89σ]
ModelChiSquare2-sig: 91.6%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 1.87e-14
RollingBand-fgt: 1.00 [53/53]
GhostDiagnostic-chr: 4.817
Centroid-sig: 1.1%
Centroid-so: 2.604 arcsec [1.75σ]
OotOffset-rm: 1.404 arcsec [1.23σ]
KicOffset-rm: 1.472 arcsec [1.22σ]
OotOffset-st: 3/1/1/4 [9]
KicOffset-st: 3/1/1/4 [9]
DiffImageQuality-fgm: 0.11 [1/9]
DiffImageOverlap-fno: 0.94 [16/17]

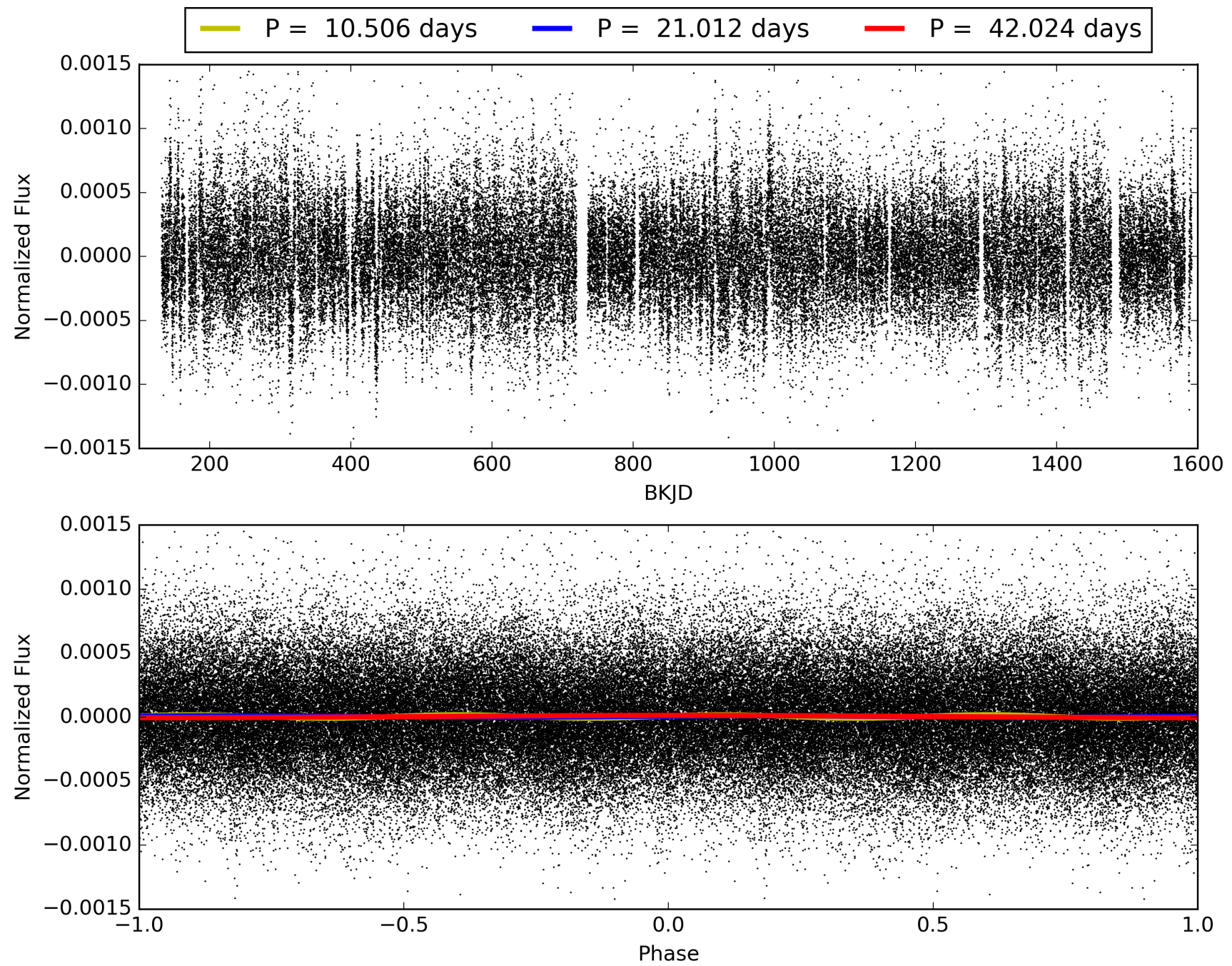
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 06:03:41 Z

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

TCE 00446677-03, PDC Light Curves

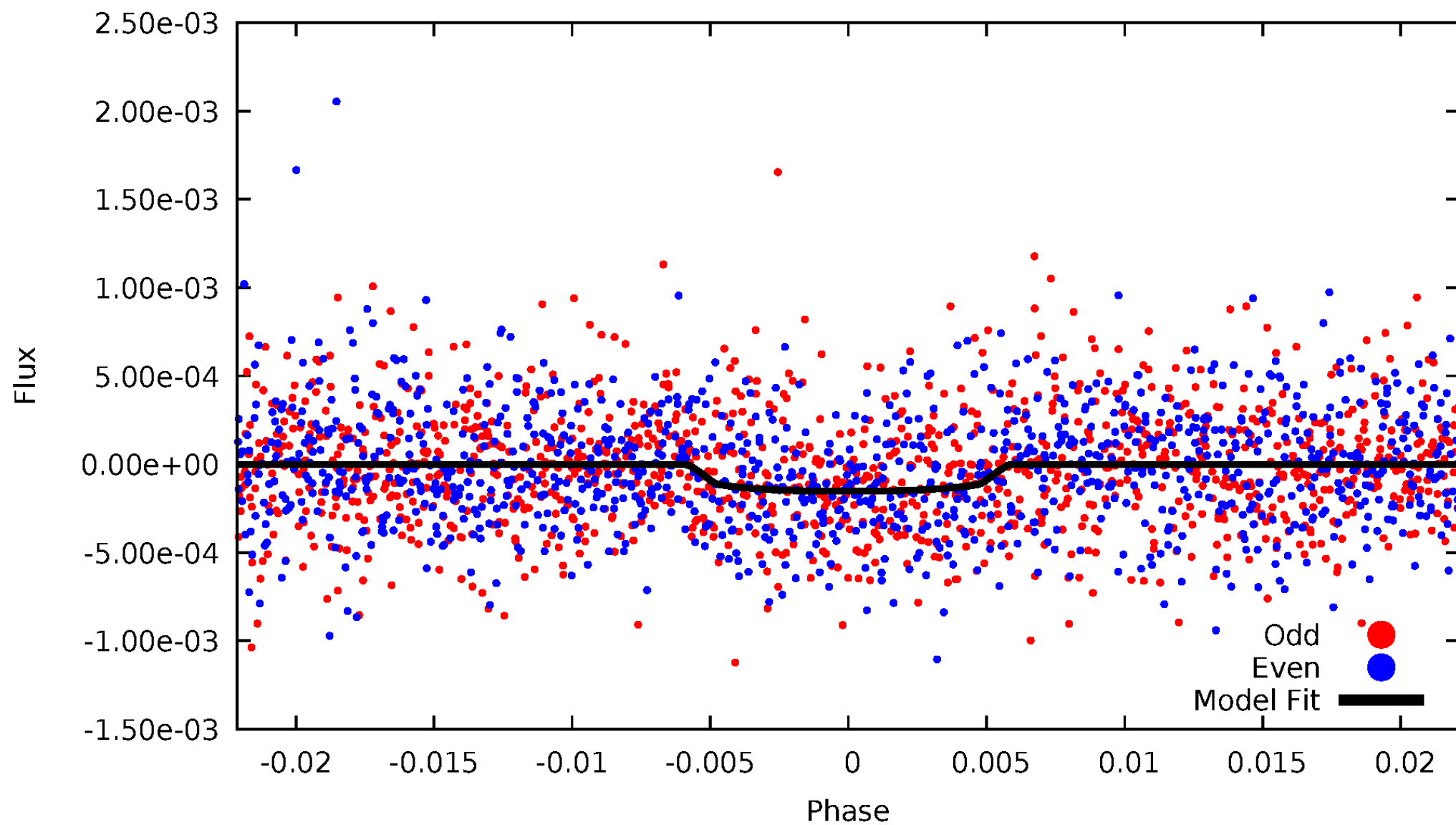


TCE 004466677-03



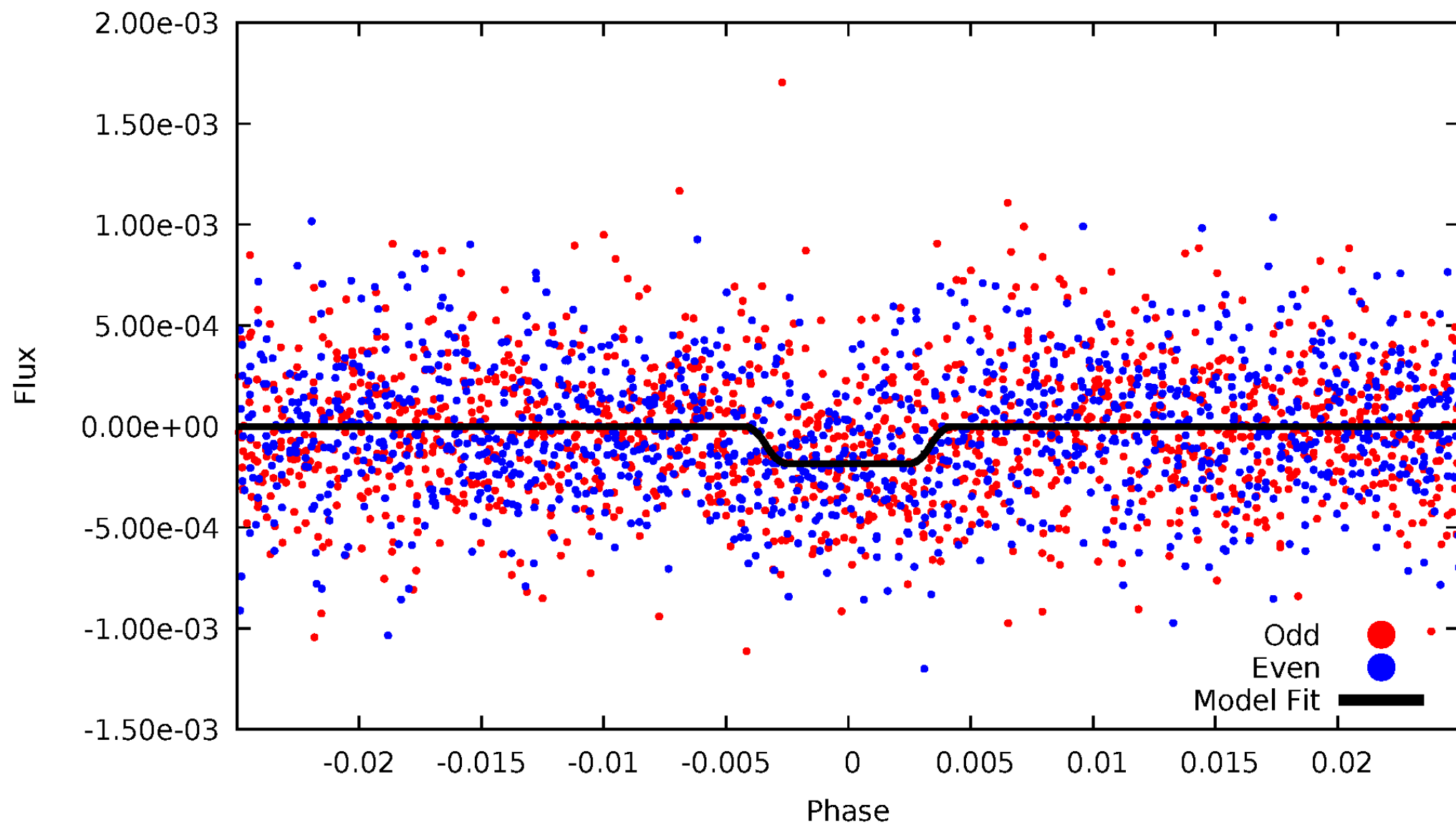
DV Odd/Even

TCE 004466677-03



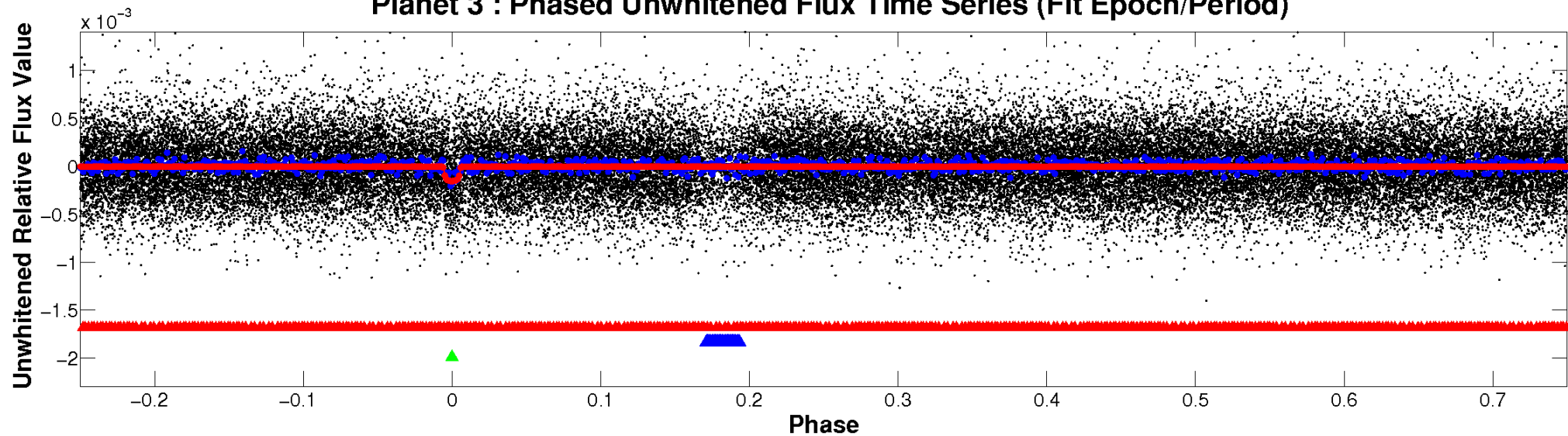
ALT Odd/Even

TCE 004466677-03

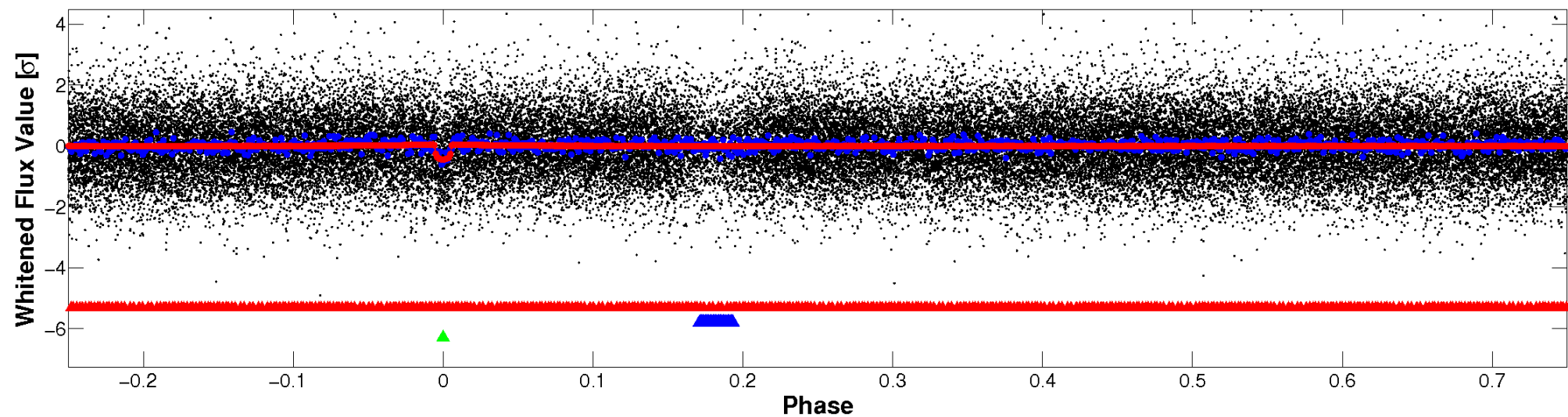


Non-Whitened Vs. Whitened Light Curve

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

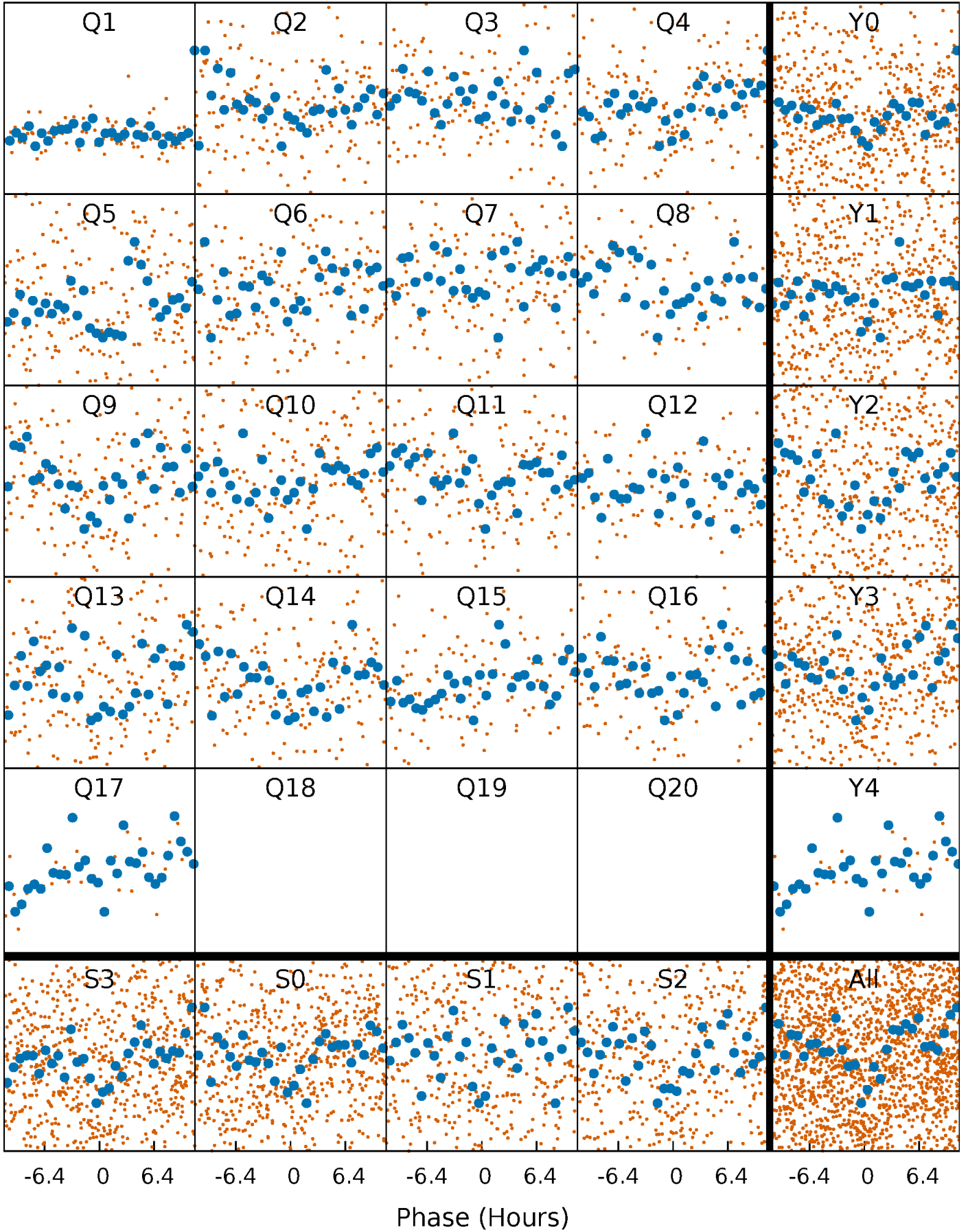


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



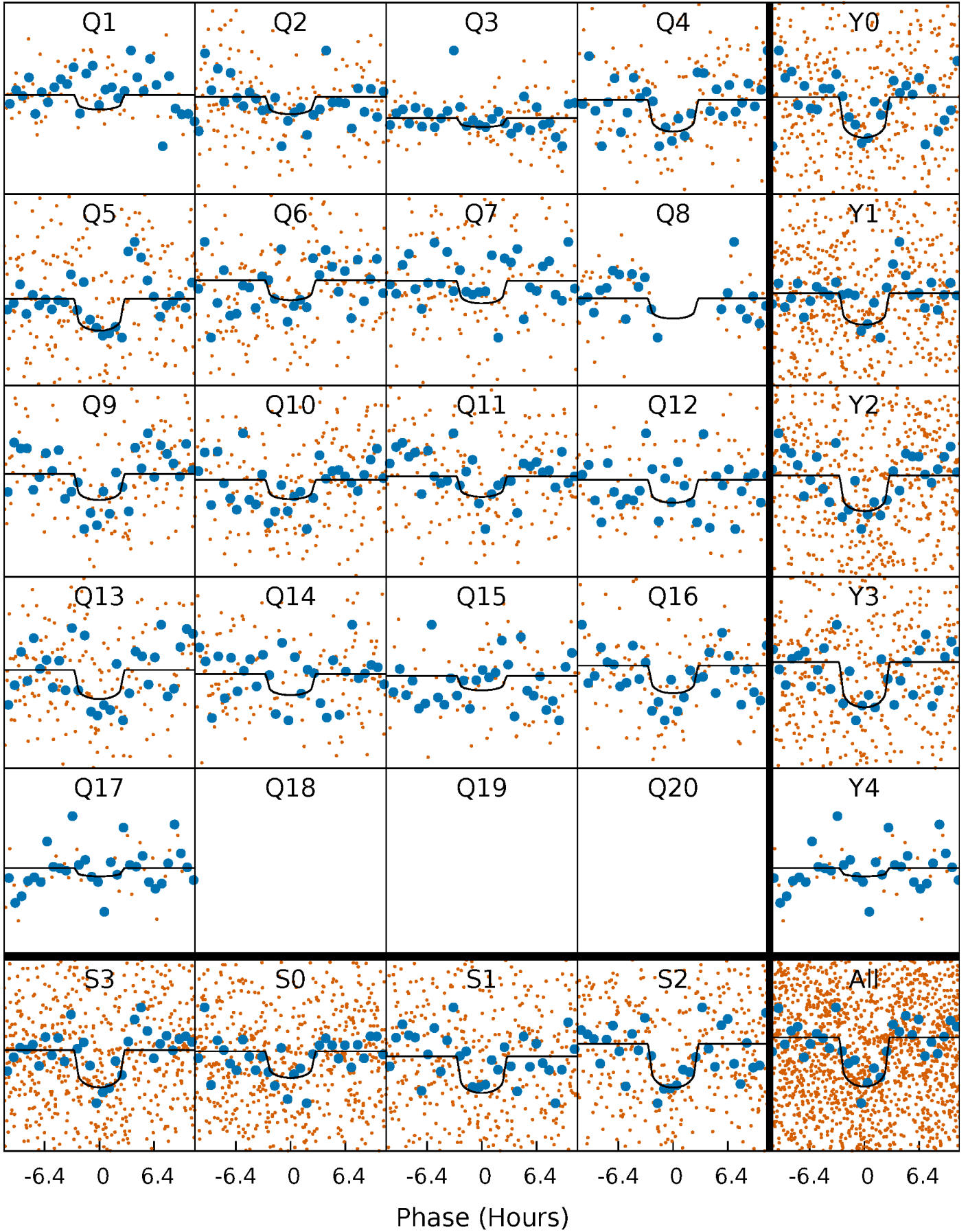
PDC Quarter-Phased Transit Curves

TCE 004466677-03 P= 21.011858 Days $T_0=132.612285$ (BKJD)



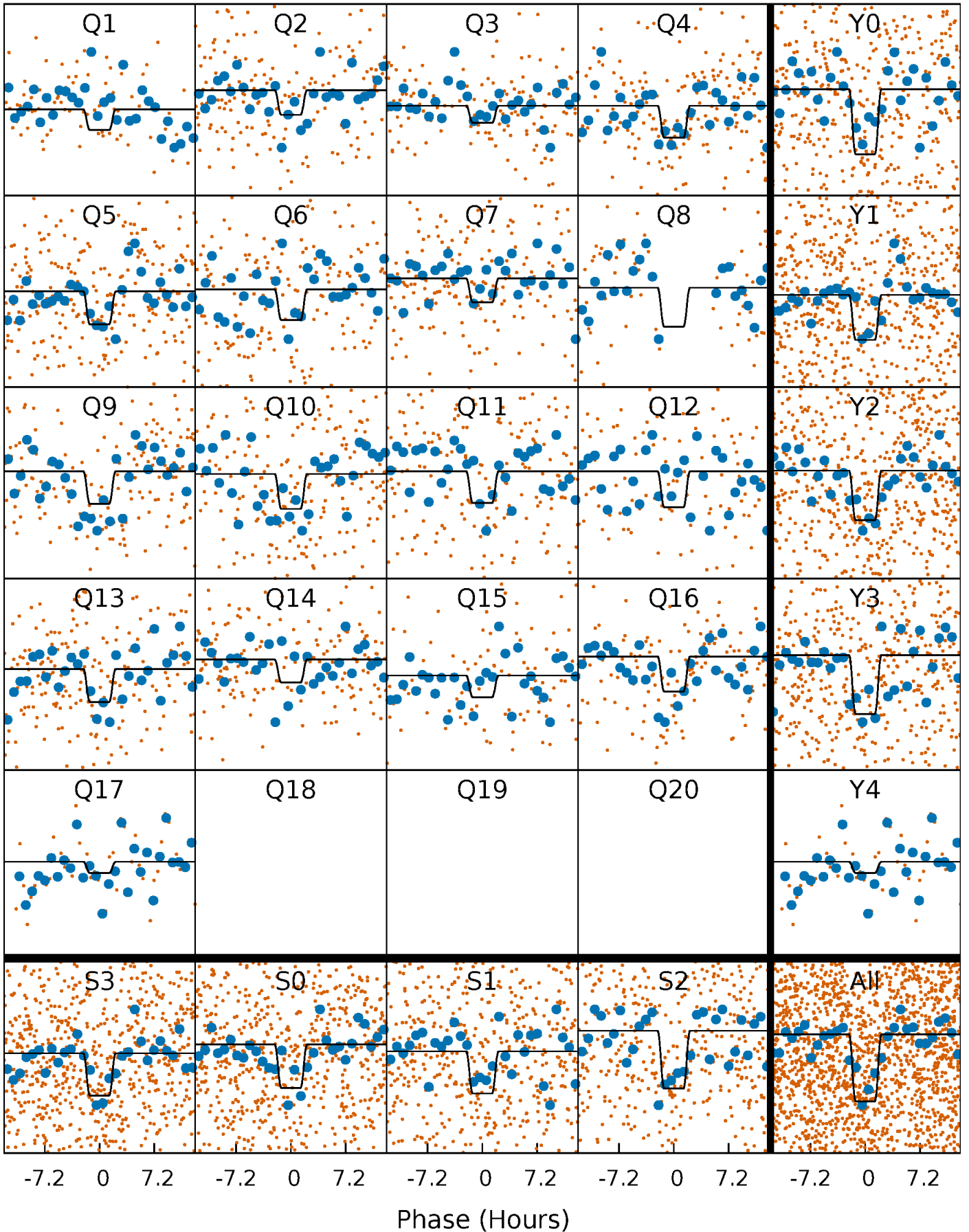
DV Quarter-Phased Transit Curves

TCE 004466677-03 P= 21.011858 Days $T_0=132.612285$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

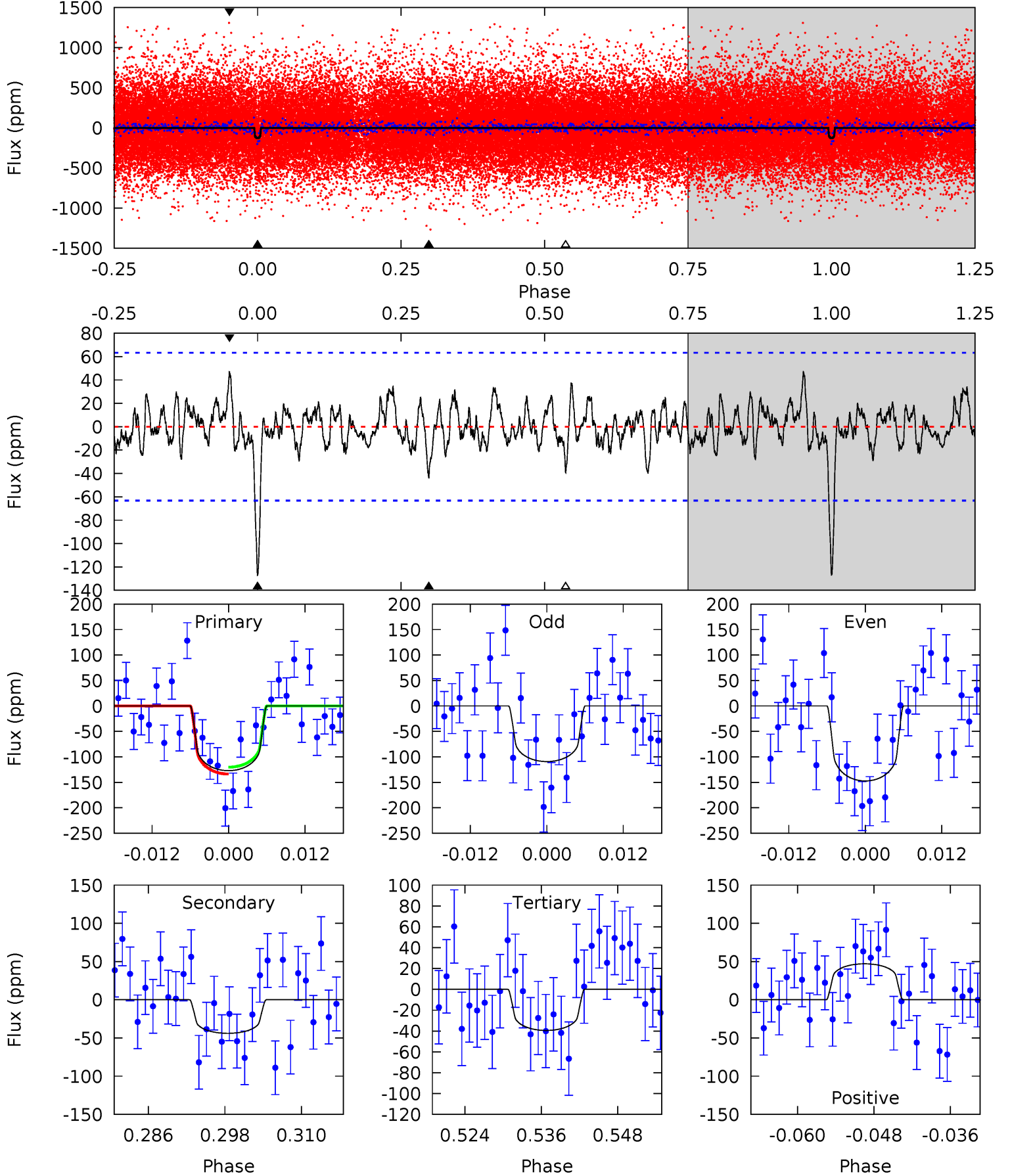
TCE 004466677-03 P= 21.011799 Days $T_0=132.616956$ (BKJD)



DV Model-Shift Uniqueness Test

004466677-03, P = 21.011858 Days, E = 111.600427 Days

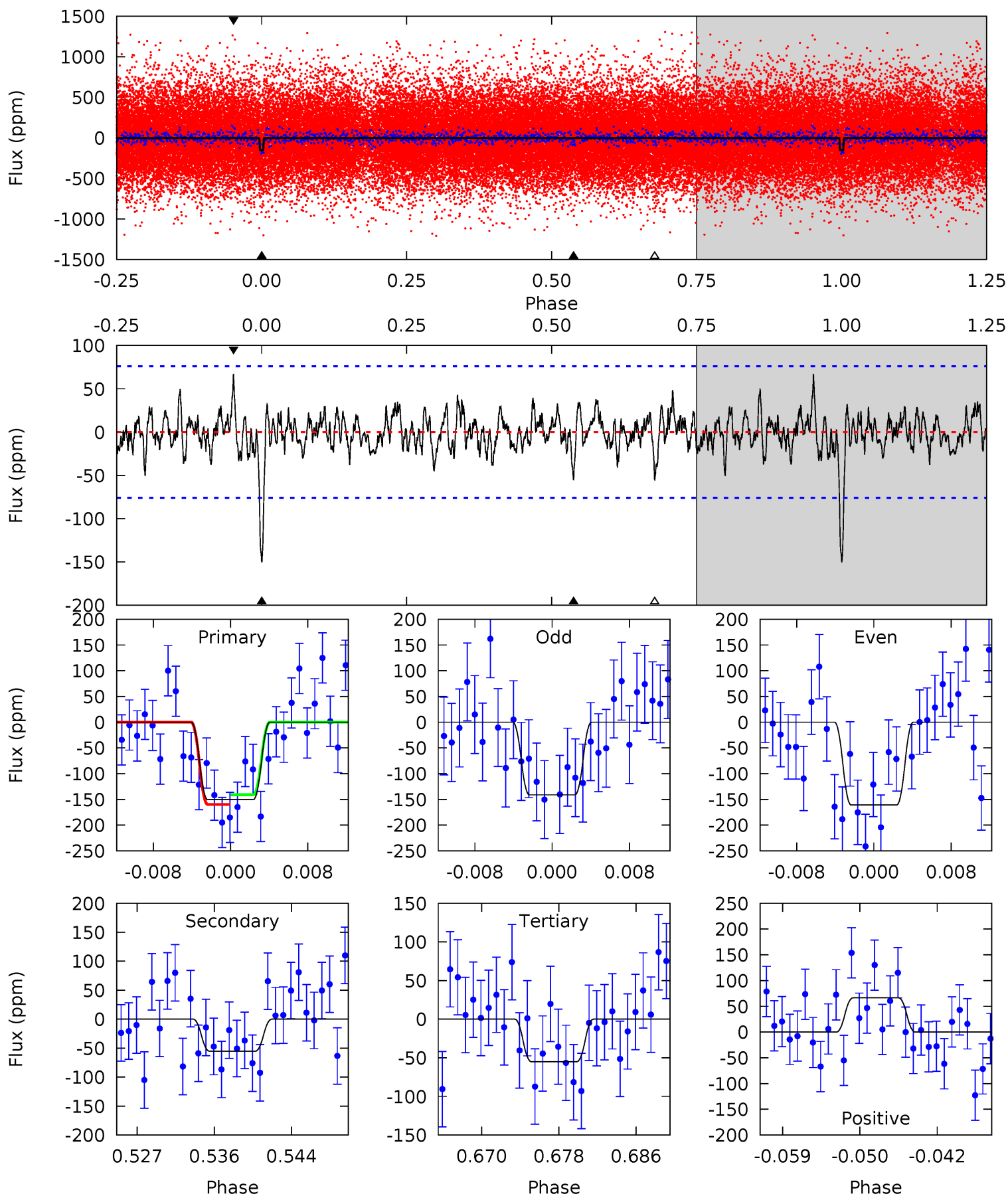
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.0	3.47	3.12	3.72	4.99	2.51	1.11	6.91	6.31	0.35	-0.25	1.50	1.01	0.27	0.53



Alt Model-Shift Uniqueness Test

004466677-03, P = 21.011799 Days, E = 111.605157 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.0	3.69	3.66	4.43	5.06	2.64	1.11	6.36	5.60	0.03	-0.74	0.65	0.89	0.31	0.63



Stellar Parameters For KIC 004466677

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5823^{+157}_{-174}	$4.427^{+0.101}_{-0.188}$	$-0.240^{+0.300}_{-0.300}$	$0.960^{+0.261}_{-0.140}$	$0.899^{+0.121}_{-0.088}$	$1.431^{+0.739}_{-0.697}$
	+3%/-3%	+2%/-4%	+125%/-125%	+27%/-15%	+13%/-10%	+52%/-49%
Source	PHO1	KIC0	KIC0	DSEP		

KIC = Kepler Input Catalog; PHO = Photometry; SPE = Spectroscopy; AST = Asteroseismology
 TRA = Transits; DESP = Dartmouth Models; MULT = Multiple Models

Secondary Eclipse Parameters for KIC 004466677-03 / KOI 1338.03

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-44 ± 13	$1.44^{+0.92}_{-0.82}$	939^{+63}_{-52}	4338^{+1782}_{-720}	236^{+1075}_{-152}
Alt.	-55 ± 15	$1.46^{+1.02}_{-0.84}$	947^{+63}_{-55}	4496^{+2236}_{-793}	285^{+1339}_{-191}

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

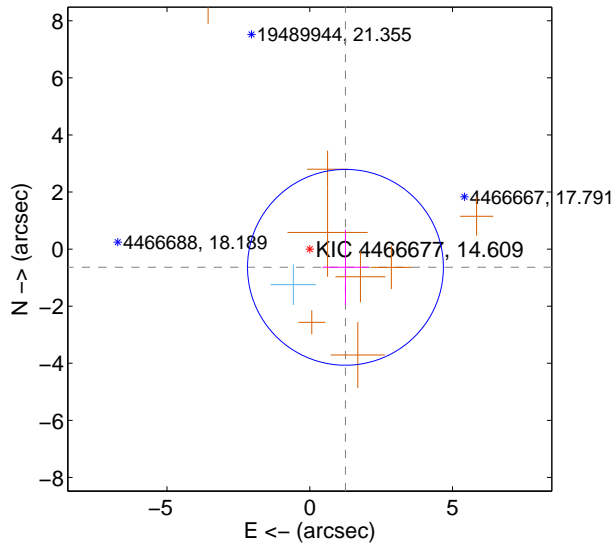
Supplemental centroid analysis for 004466677-03. Kepler magnitude: 14.61. Transit SNR 9.14

There are 1 quarters with good PRF difference image offsets

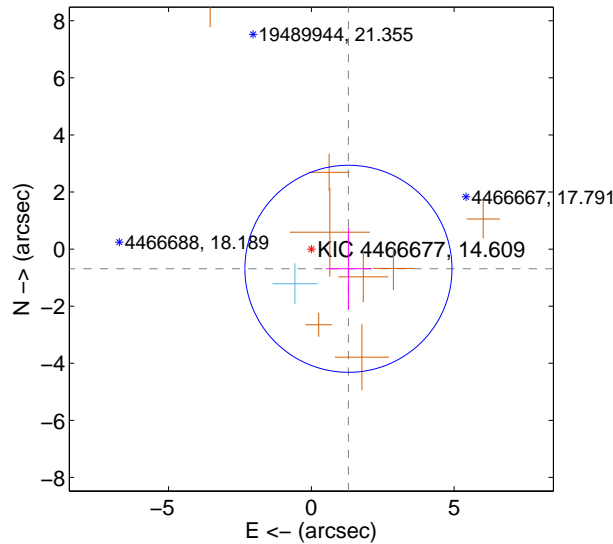
The direct PRF centroid is offset from the target star catalog position by about 0.12 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.404 ± 1.144	1.23	-1.251 ± 0.806	-0.638 ± 1.316
PRF-fit source offset from KIC position	1.472 ± 1.209	1.22	-1.300 ± 0.794	-0.690 ± 1.437
photometric centroid source offset	2.60 ± 1.49	1.75	0.27 ± 1.49	2.59 ± 1.49

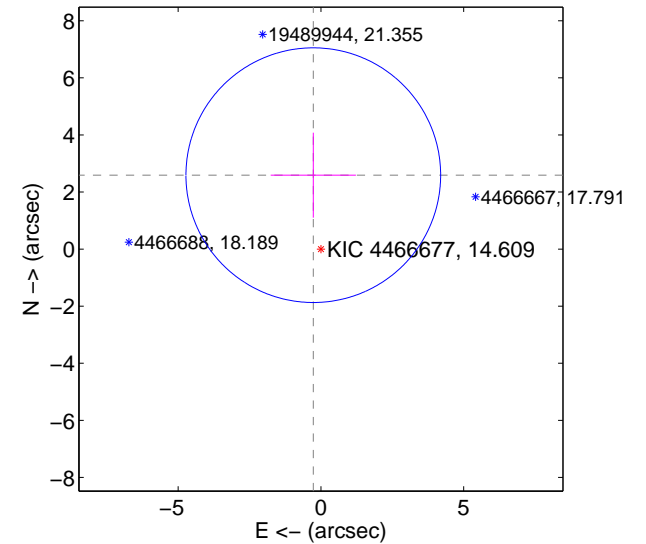
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

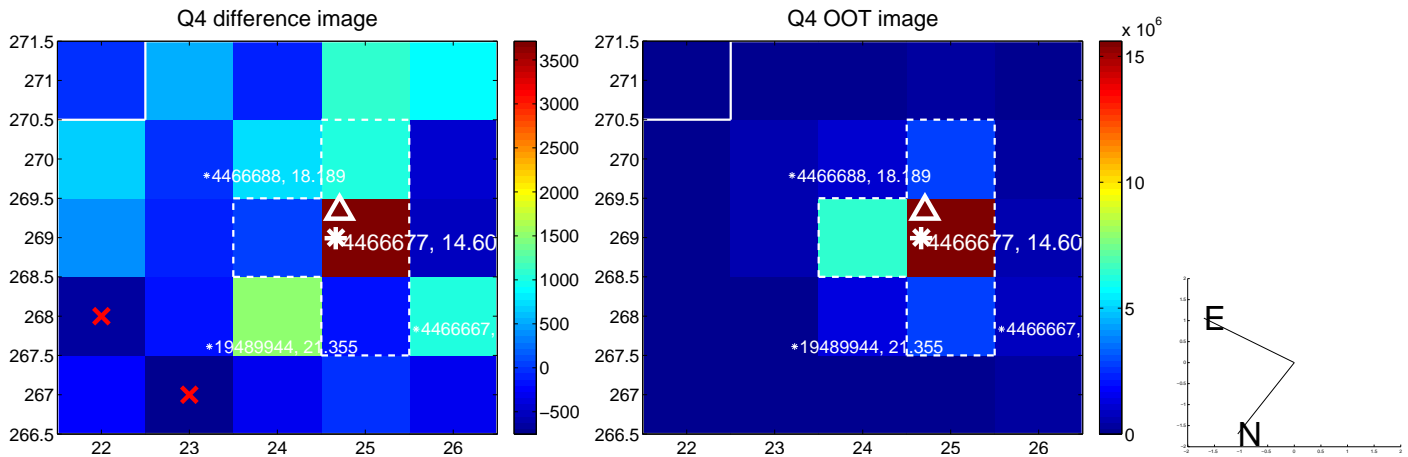
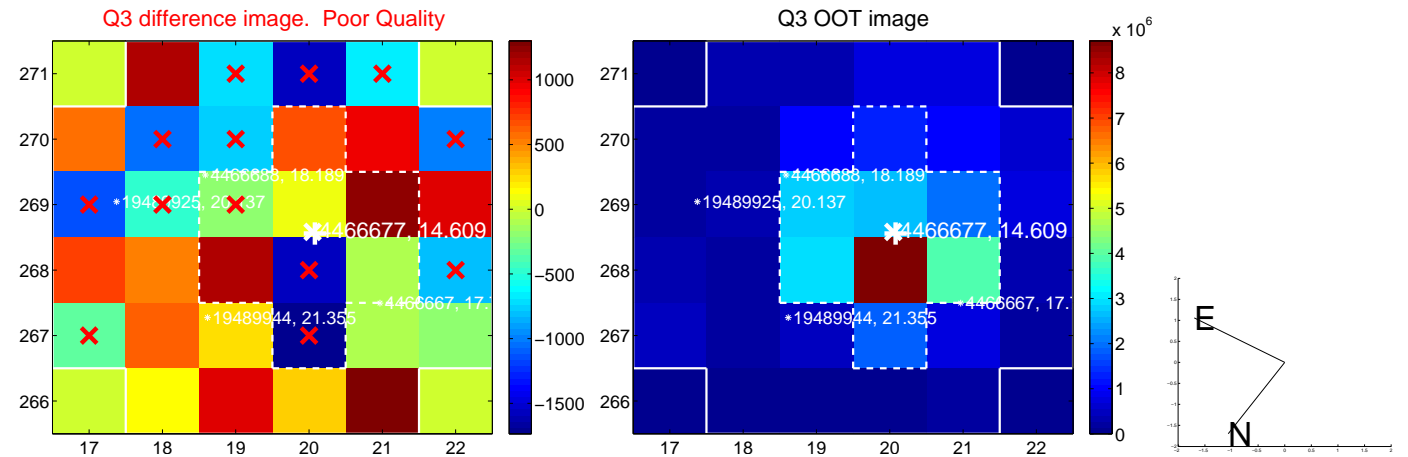
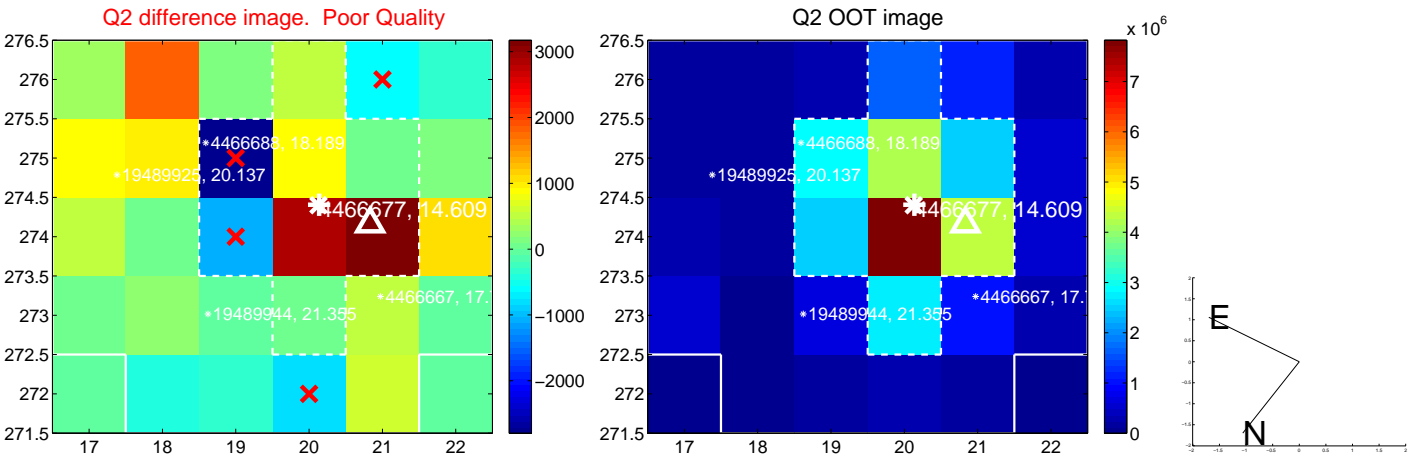
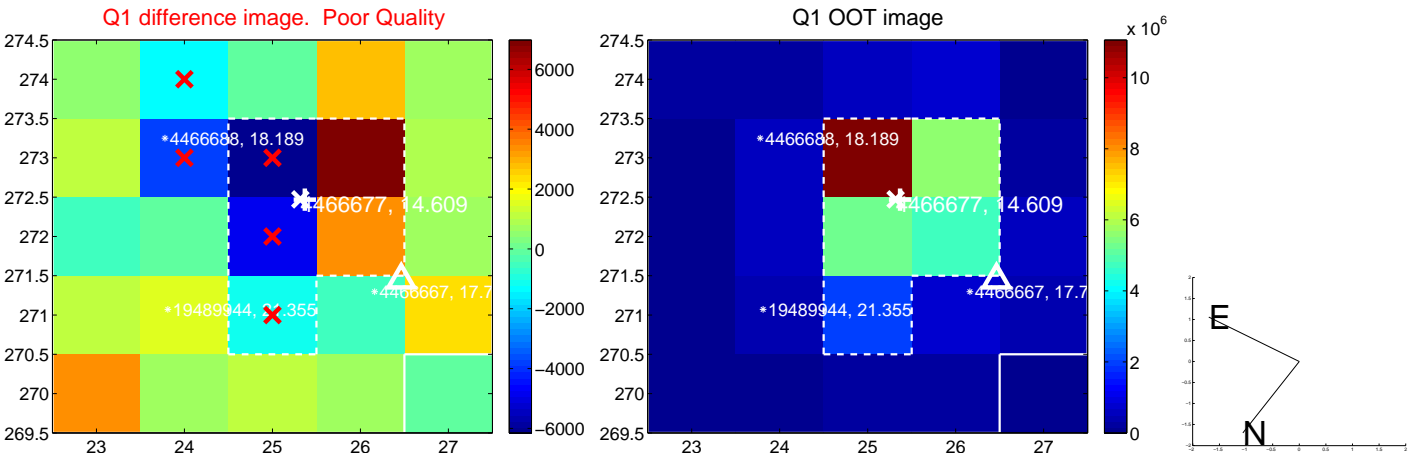


offset from photometric centroids

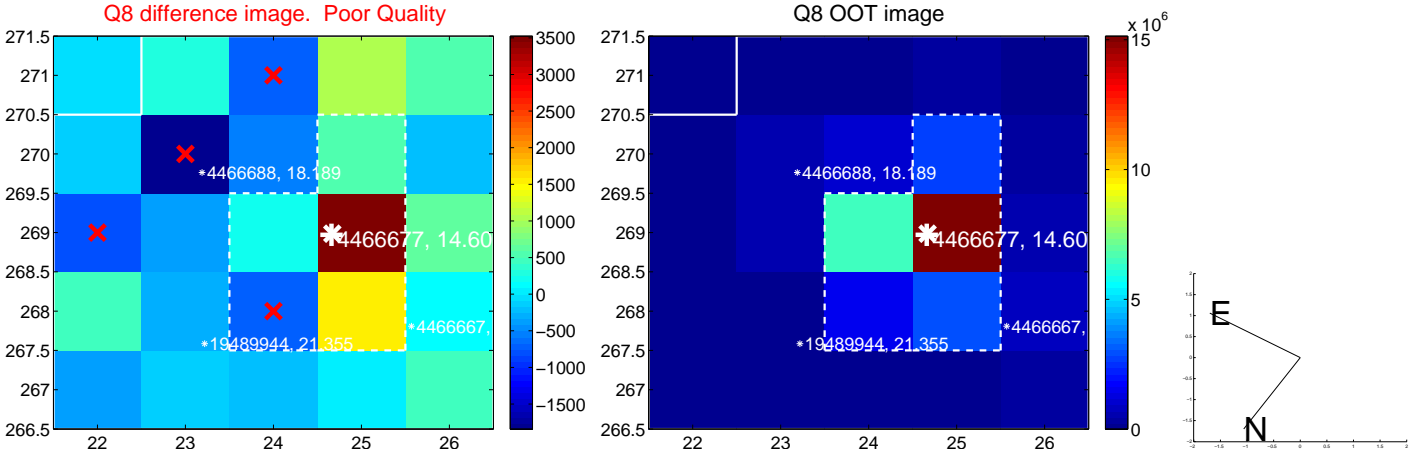
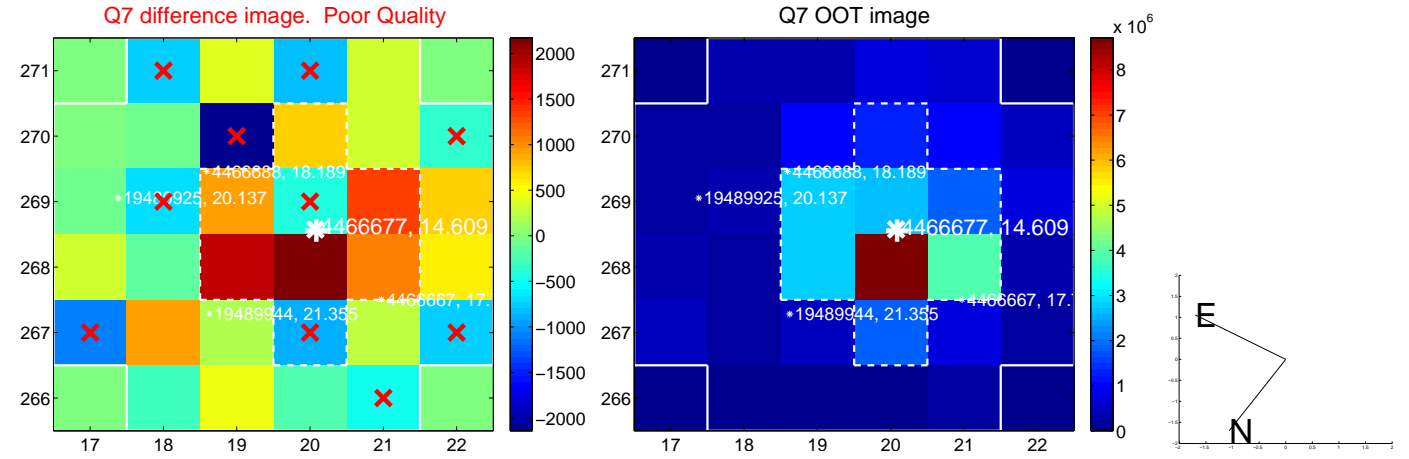
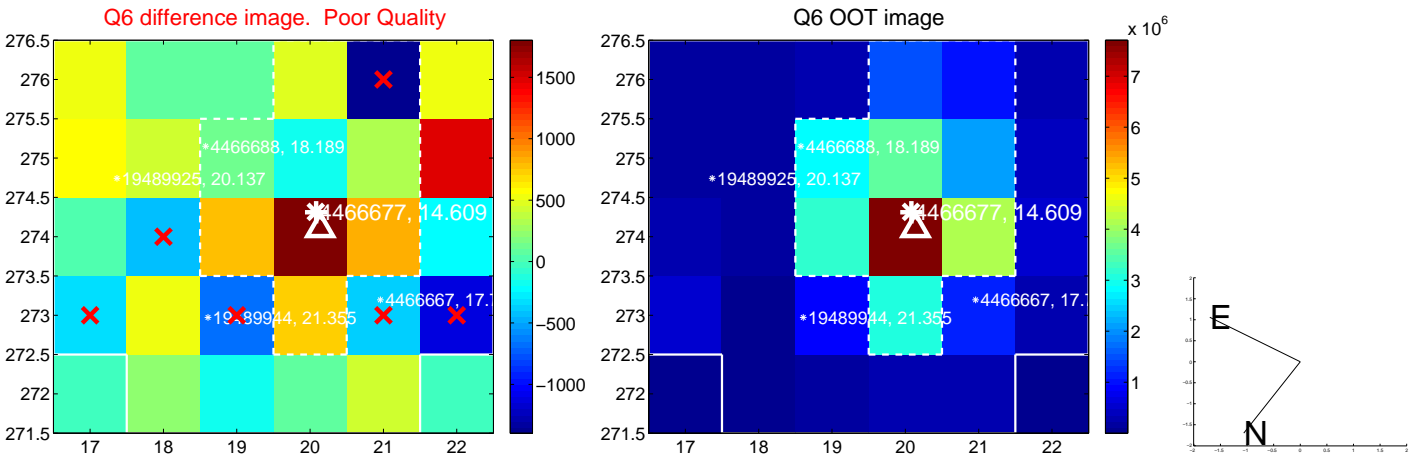
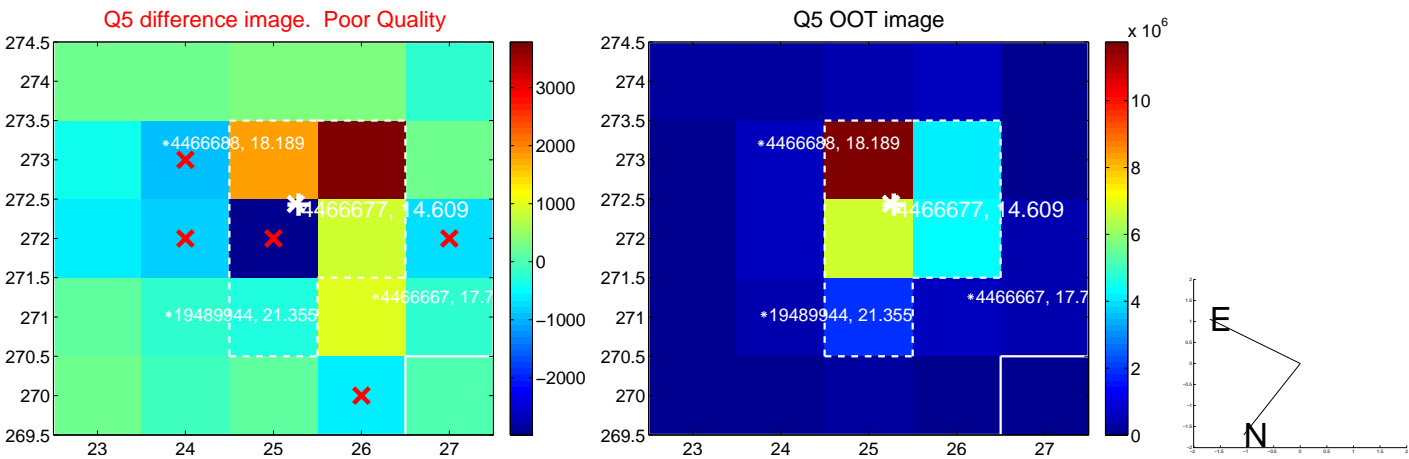


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

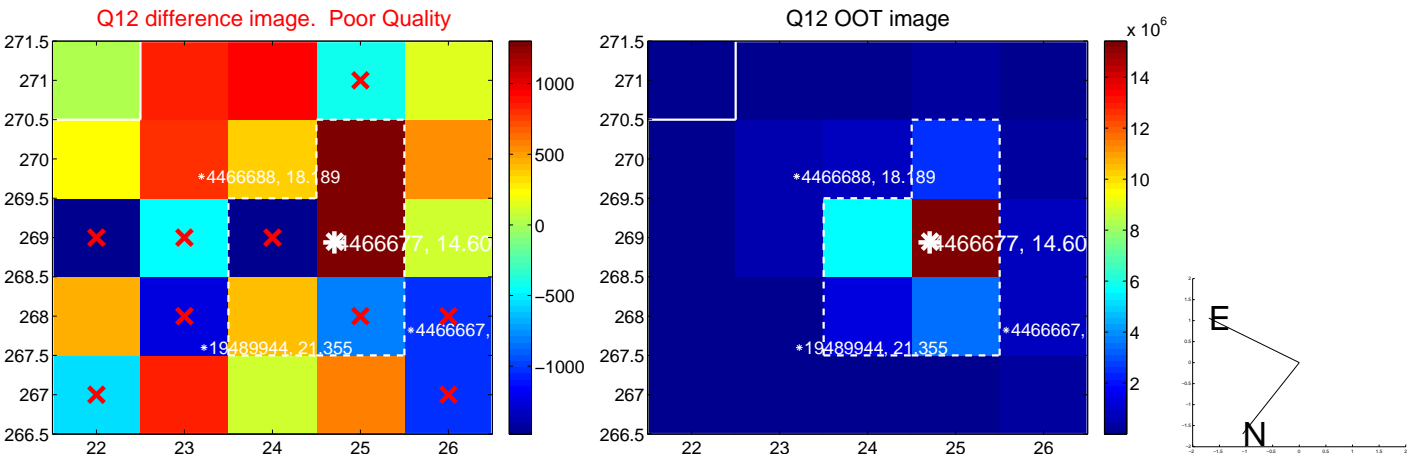
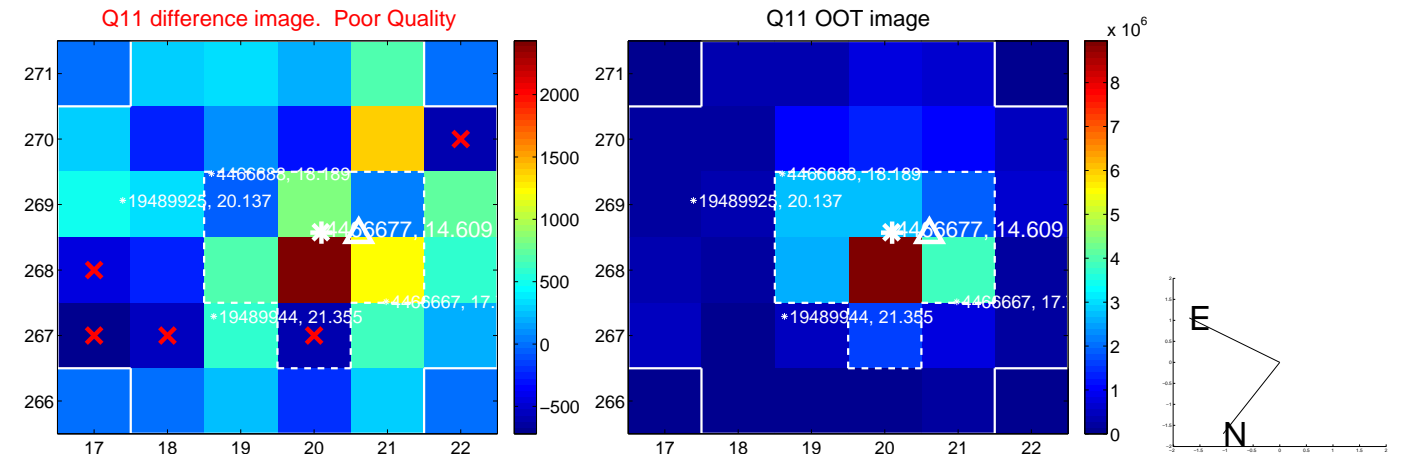
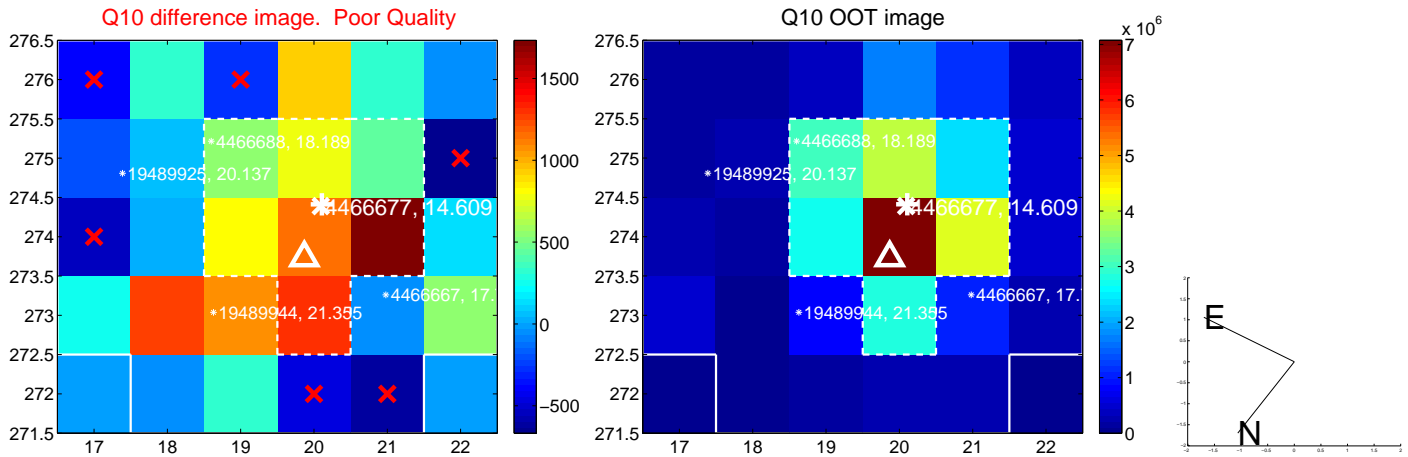
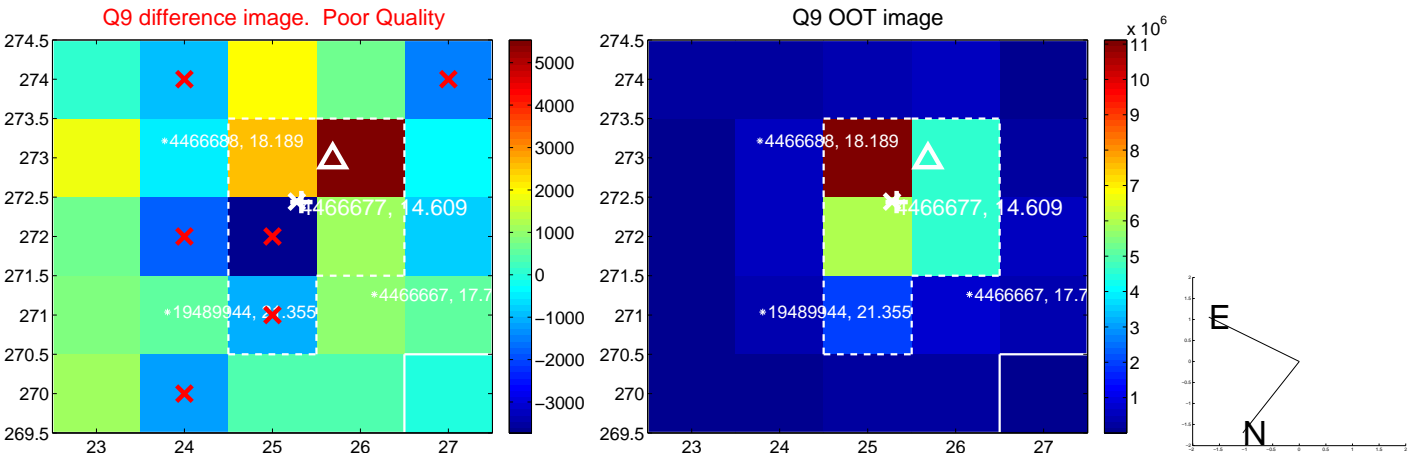
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



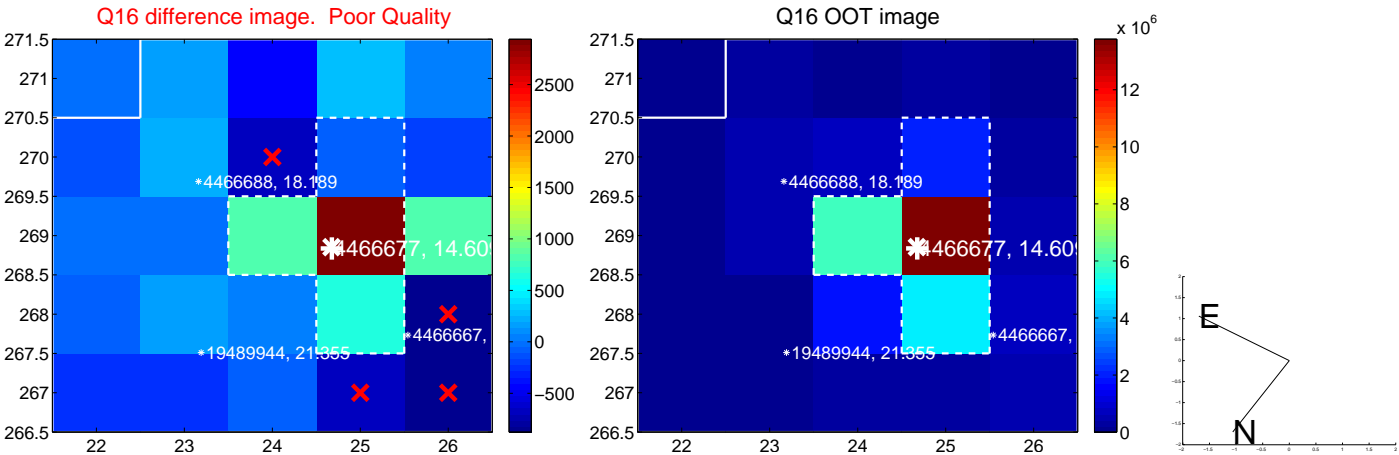
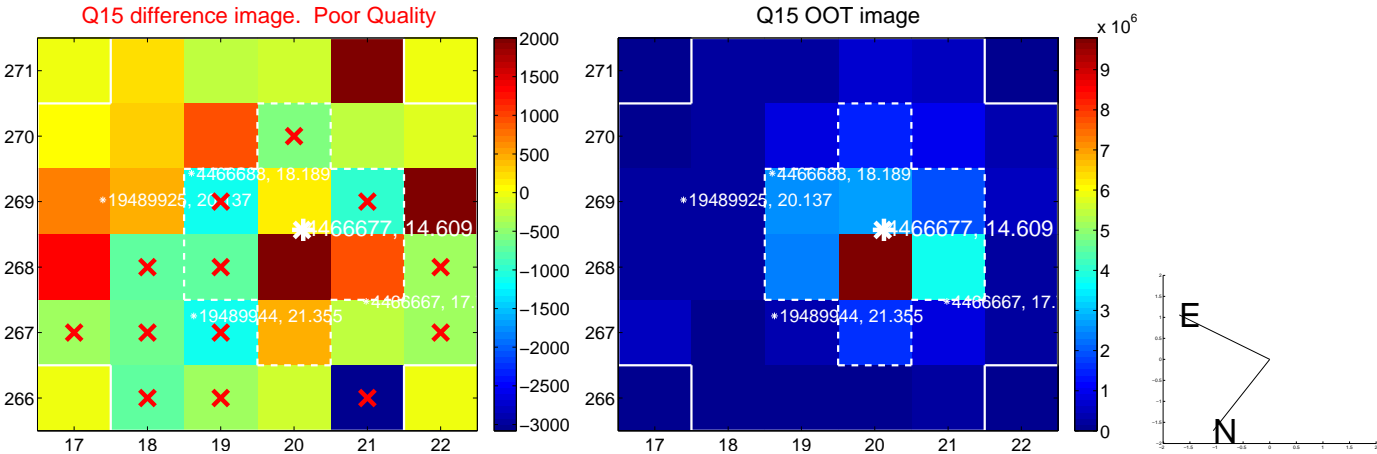
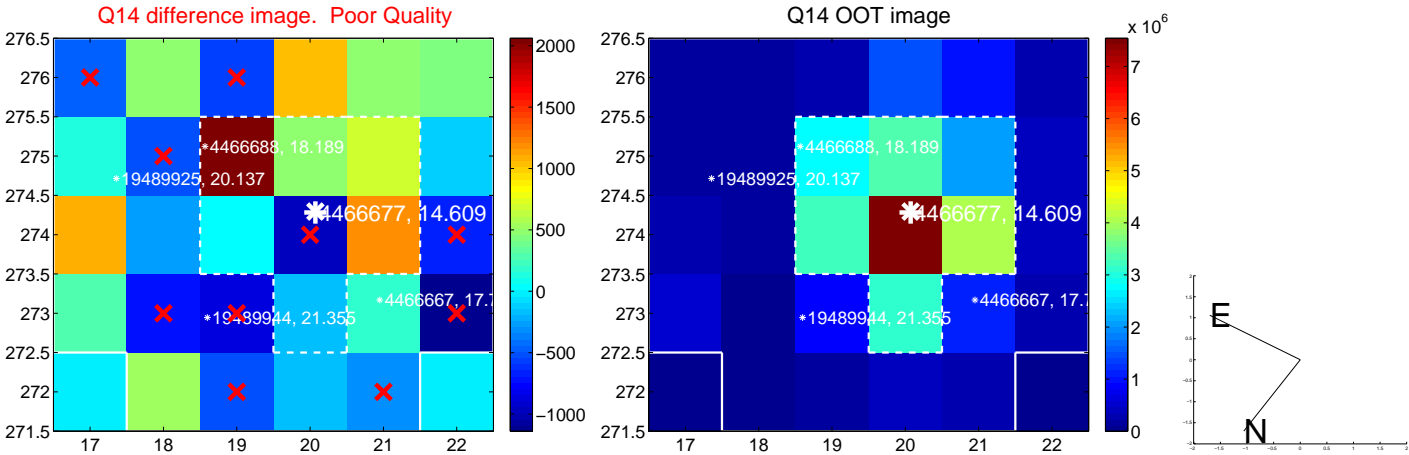
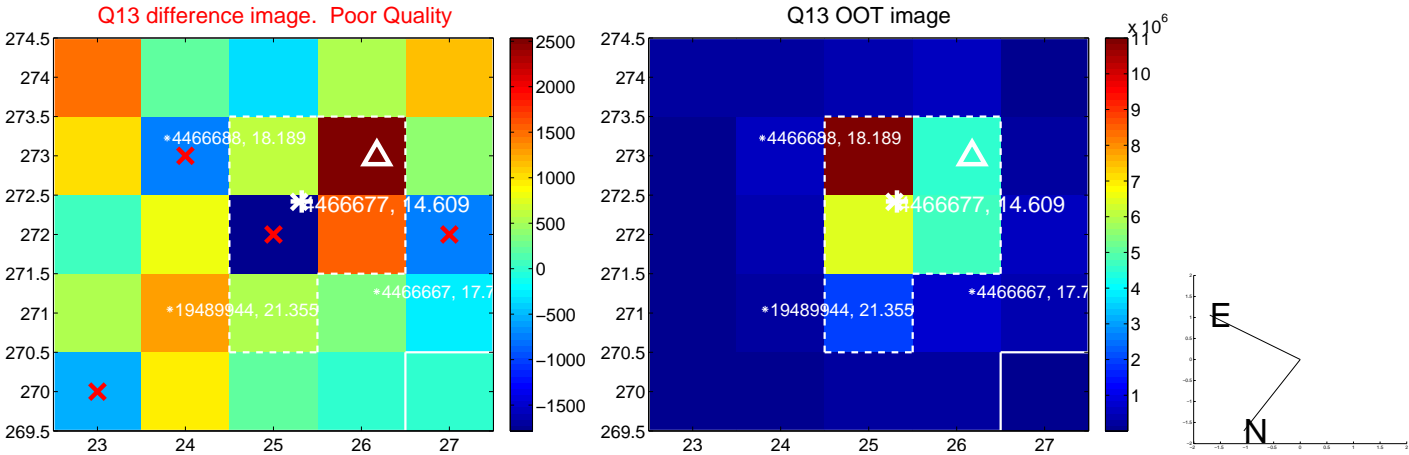
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



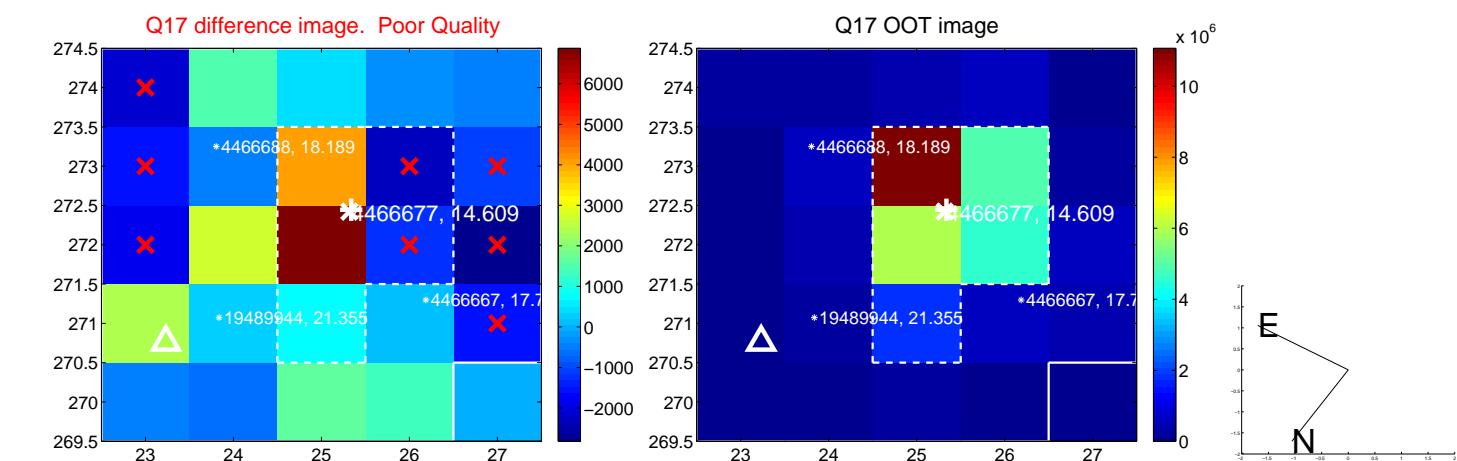
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



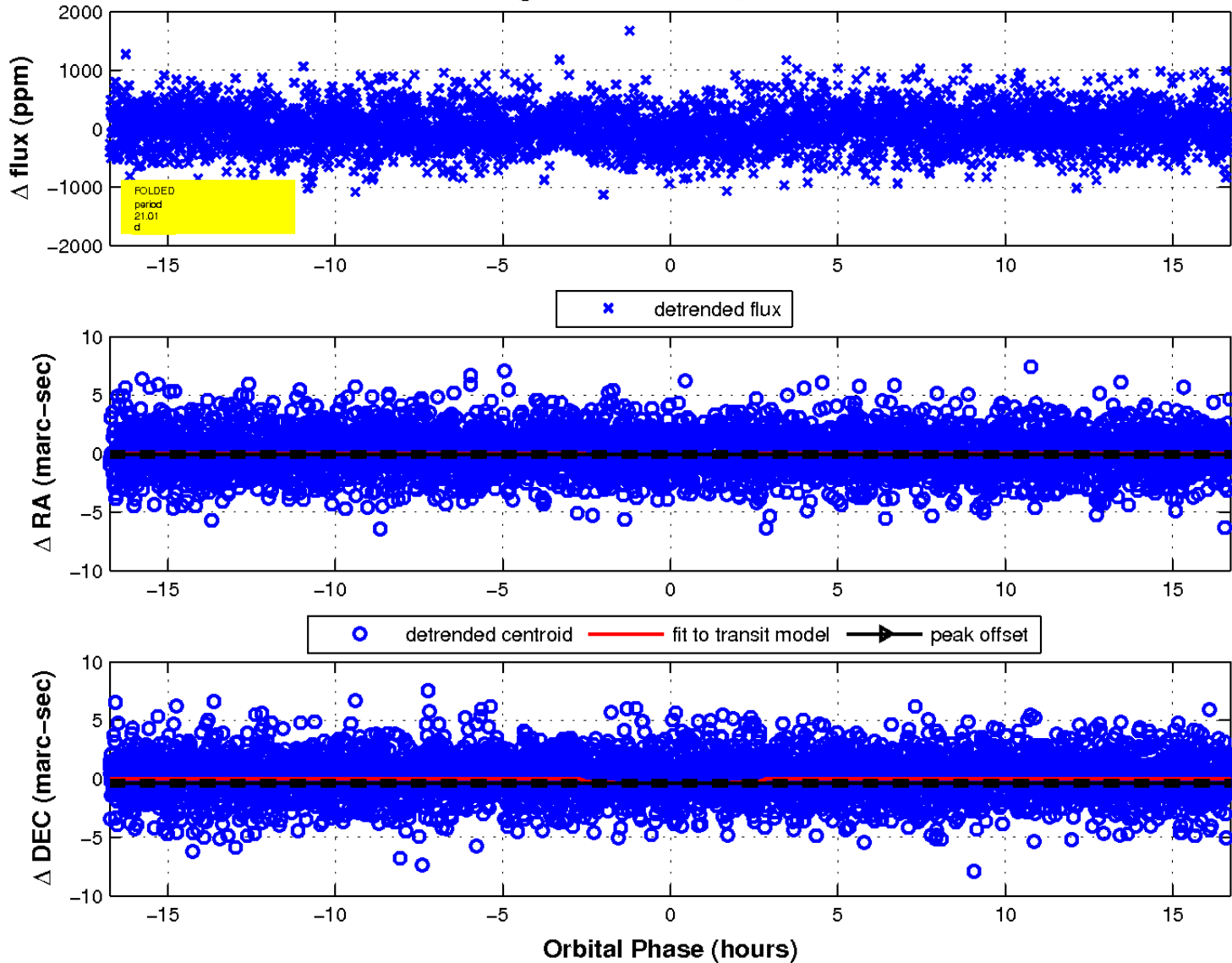
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



fluxWeightedCentroids, Planet 3 of 3



UKIRT Image

Declination

