

KIC 006388466

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})
006388466-01	OBS	No	2.537974	133.444684	52.7	16.772	11.8	12.3	1.07	5988	1.51	998.23
006388466-02	OBS	No	91.707928	214.718948	265.4	18.957	11.3	7.4	1.07	5988	1.81	8.36
006388466-03	OBS	No	93.549642	168.892326	502.4	1.946	8.3	8.2	1.07	5988	2.78	8.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006388466-01	OBS	FP	0.00	1	0	0	0	LPP_DV
006388466-02	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—INCONSISTENT_TRANS—CENT_FEW_DIFFS—HALO_GHOST
006388466-03	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE_CHASES—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_FEW_DIFFS—HALO_GHOST

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

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

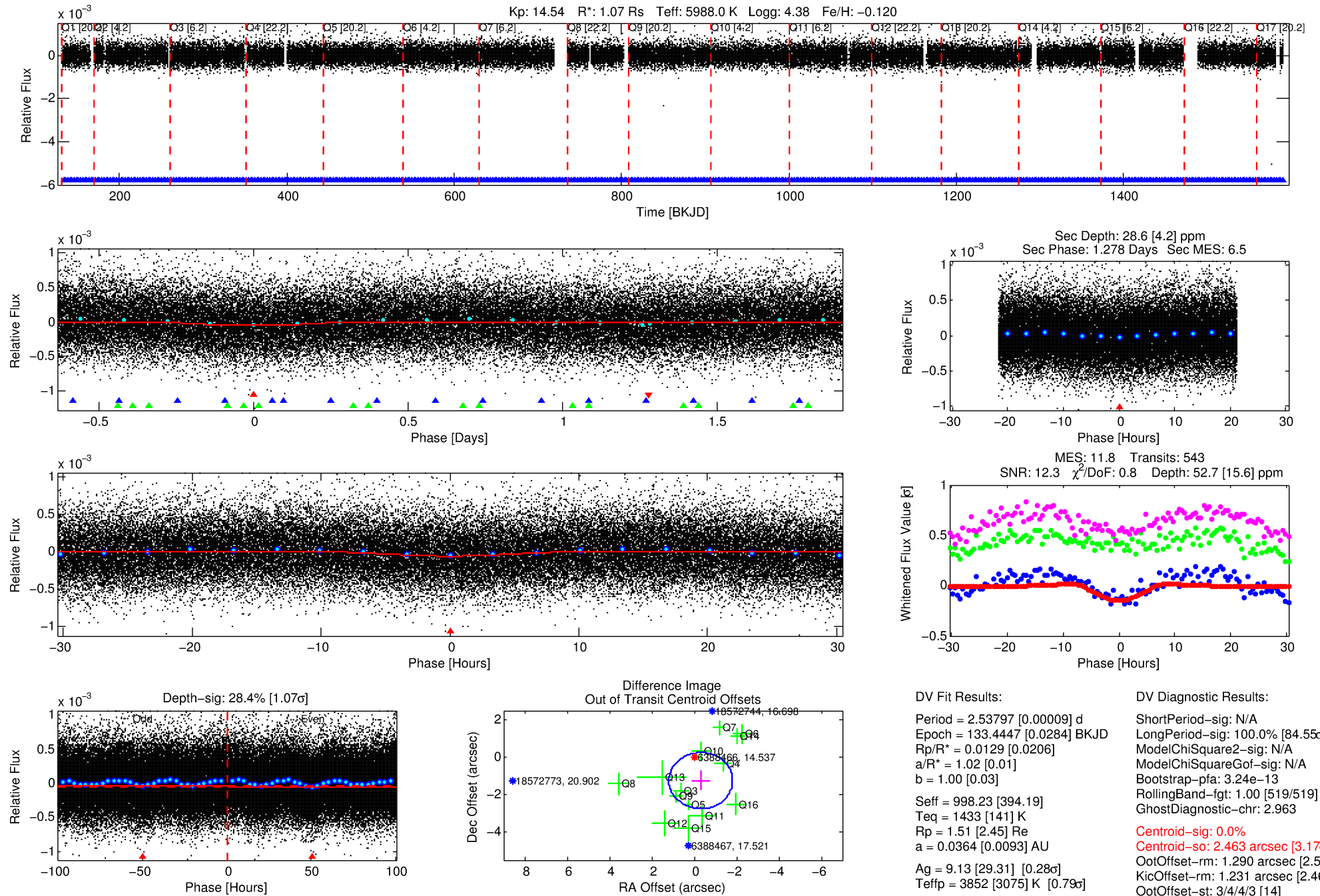
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006388466-01

No Significant Match Found

DV One-Page Summary

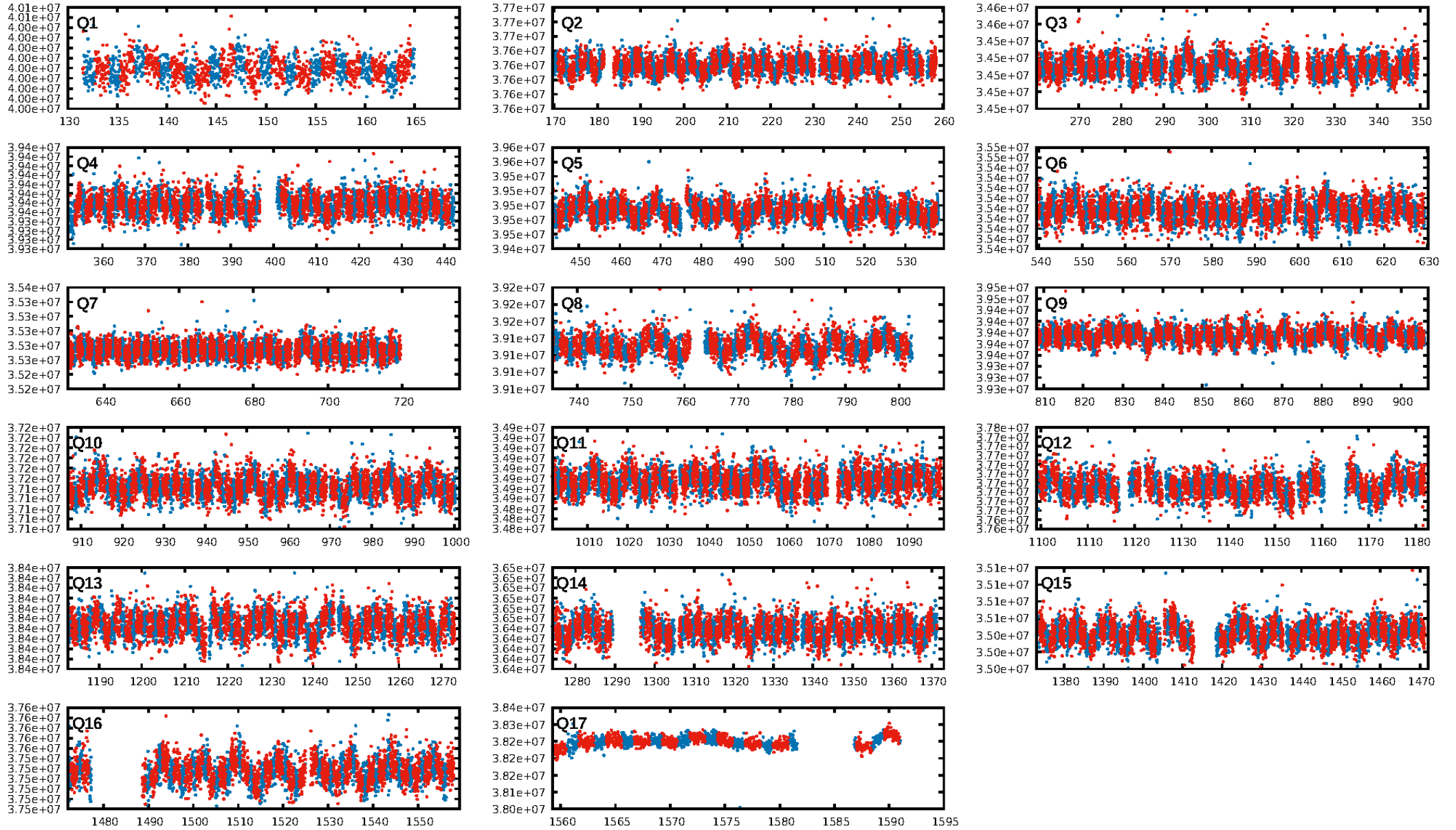
KIC: 6388466 Candidate: 1 of 3 Period: 2.538 d



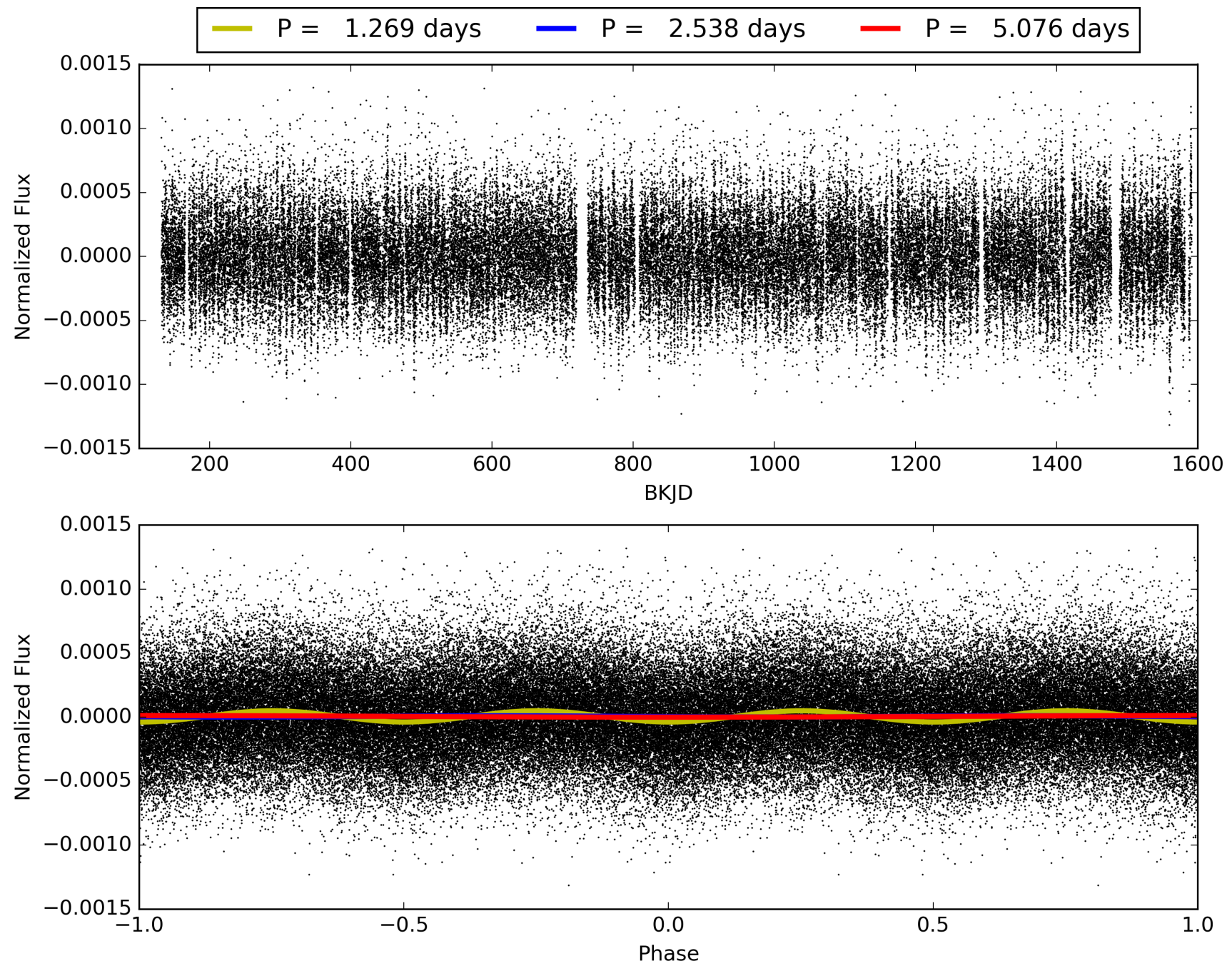
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 09:29:42 Z

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

TCE 006388466-01, PDC Light Curves

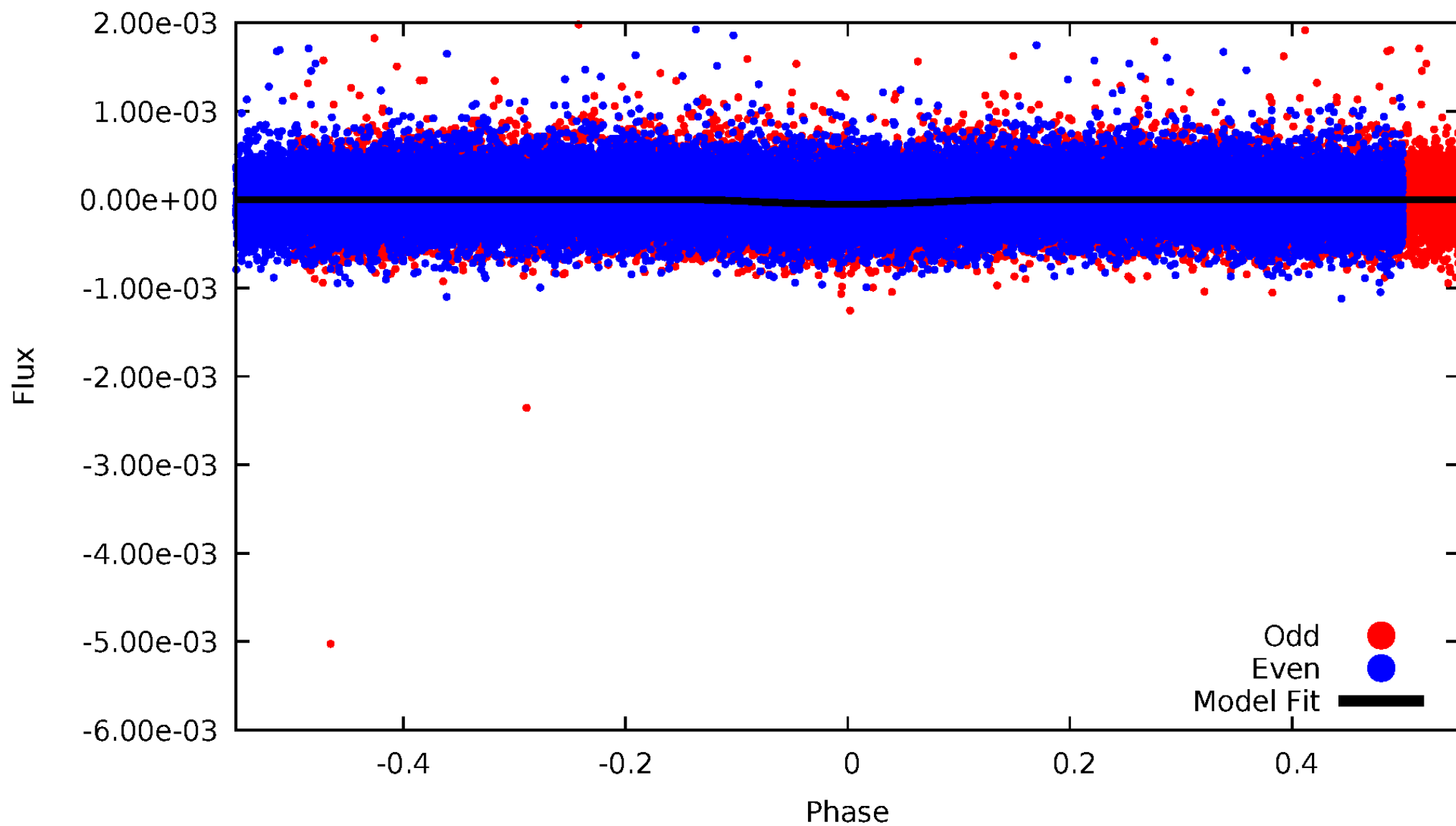


TCE 006388466-01



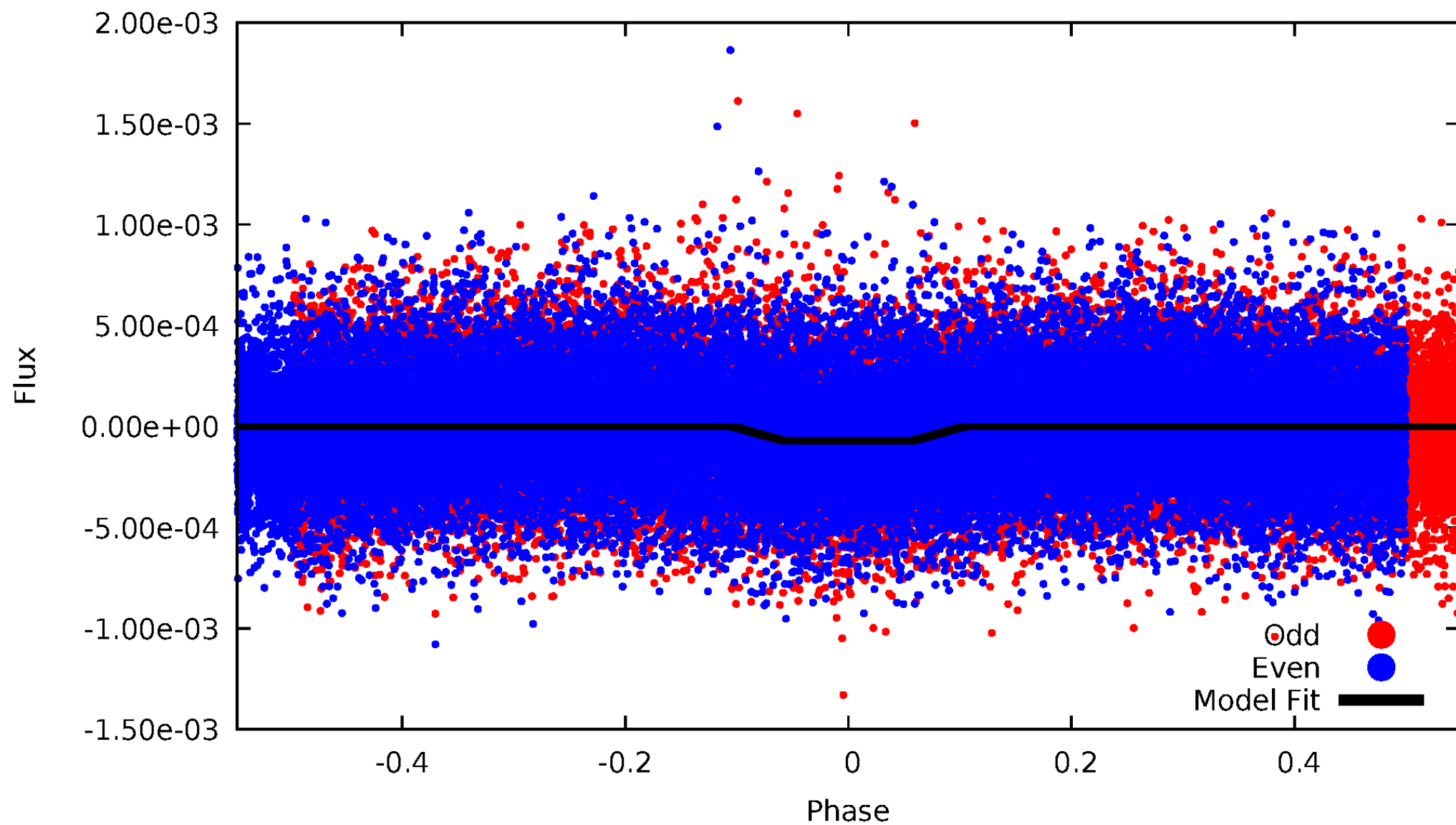
DV Odd/Even

TCE 006388466-01



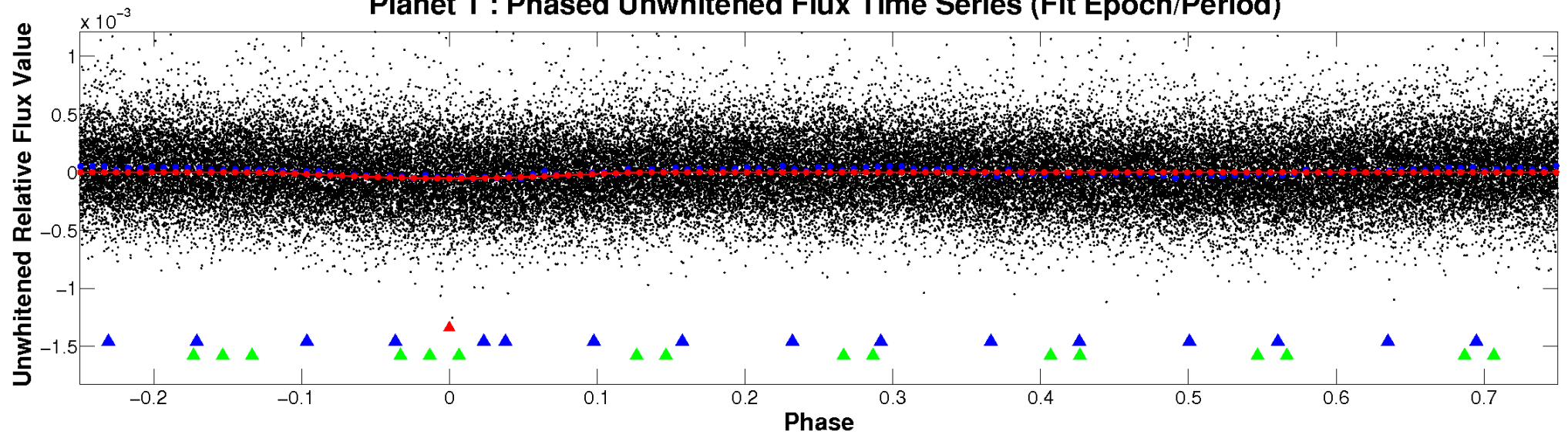
ALT Odd/Even

TCE 006388466-01

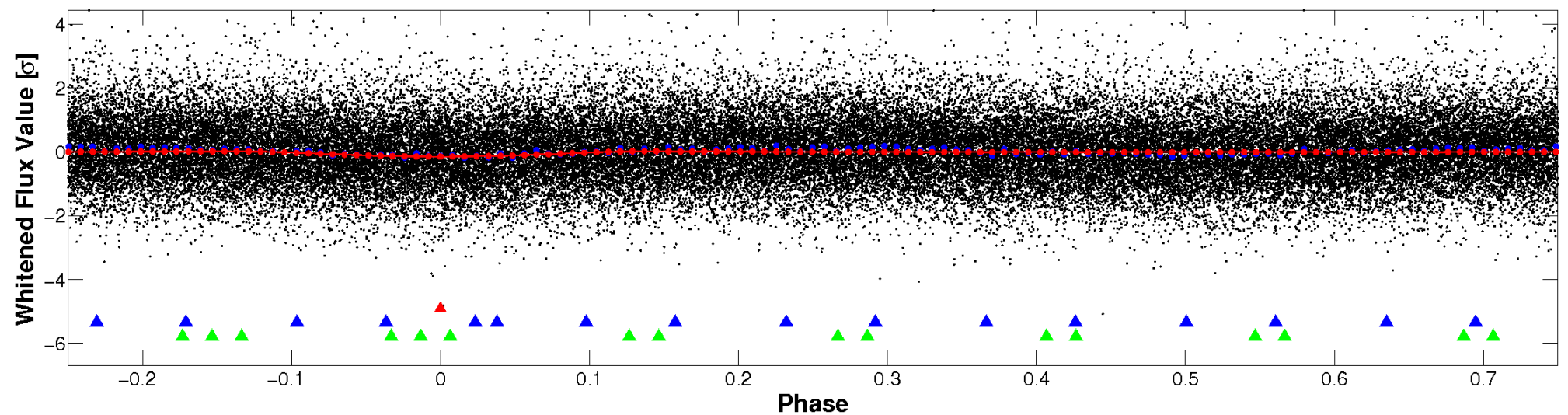


Non-Whitened Vs. Whitened Light Curve

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

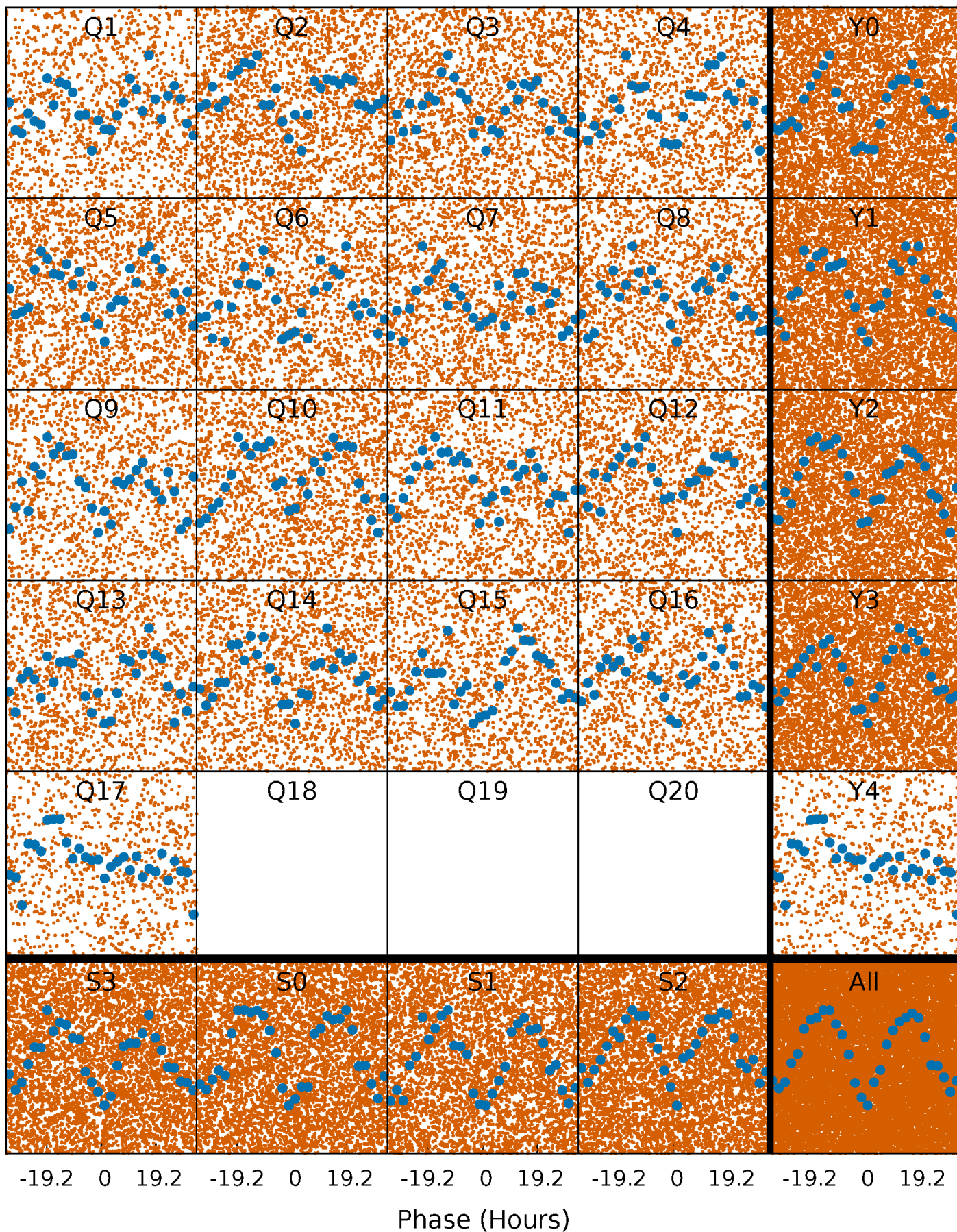


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



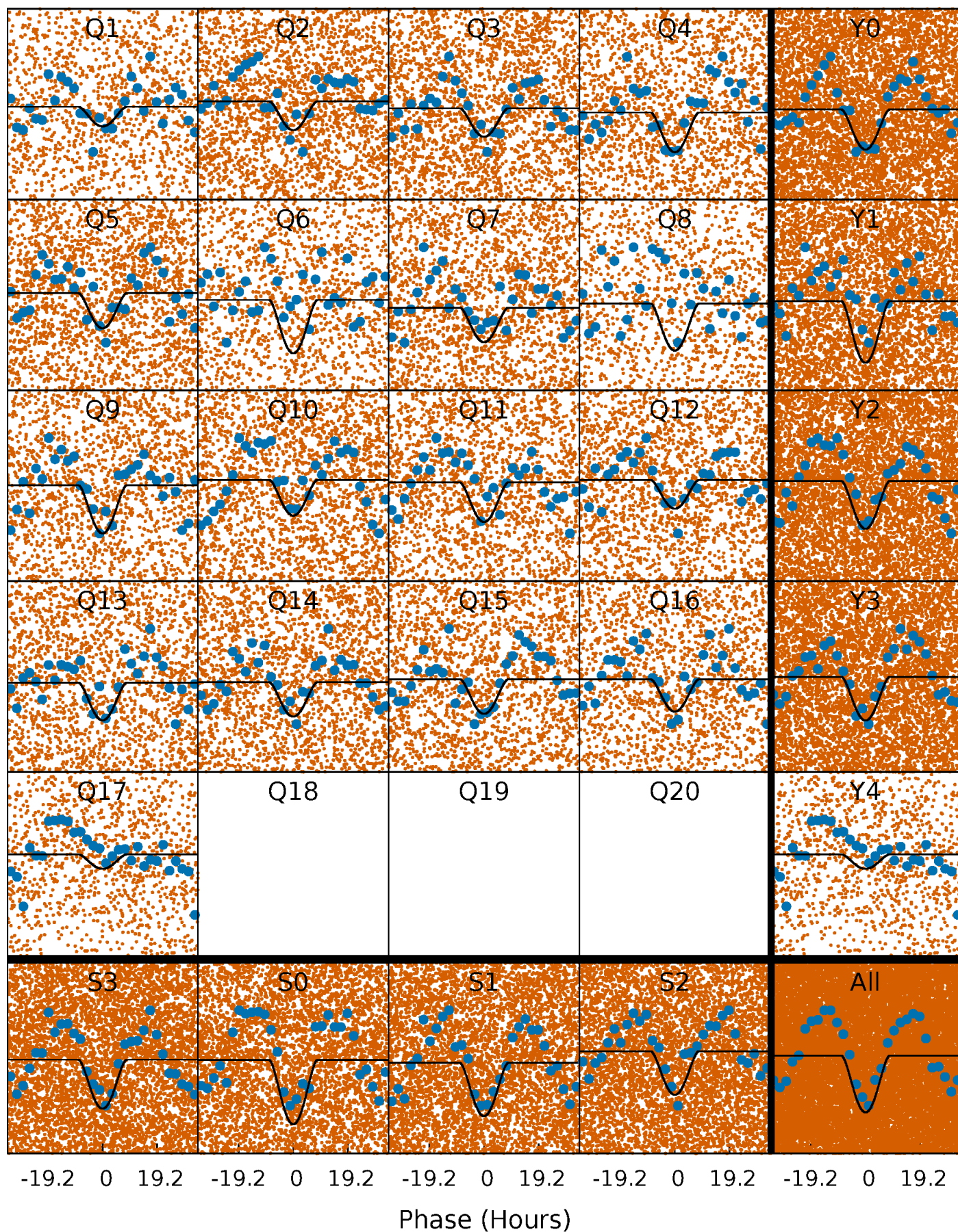
PDC Quarter-Phased Transit Curves

TCE 006388466-01 P= 2.537974 Days $T_0=133.444684$ (BKJD)



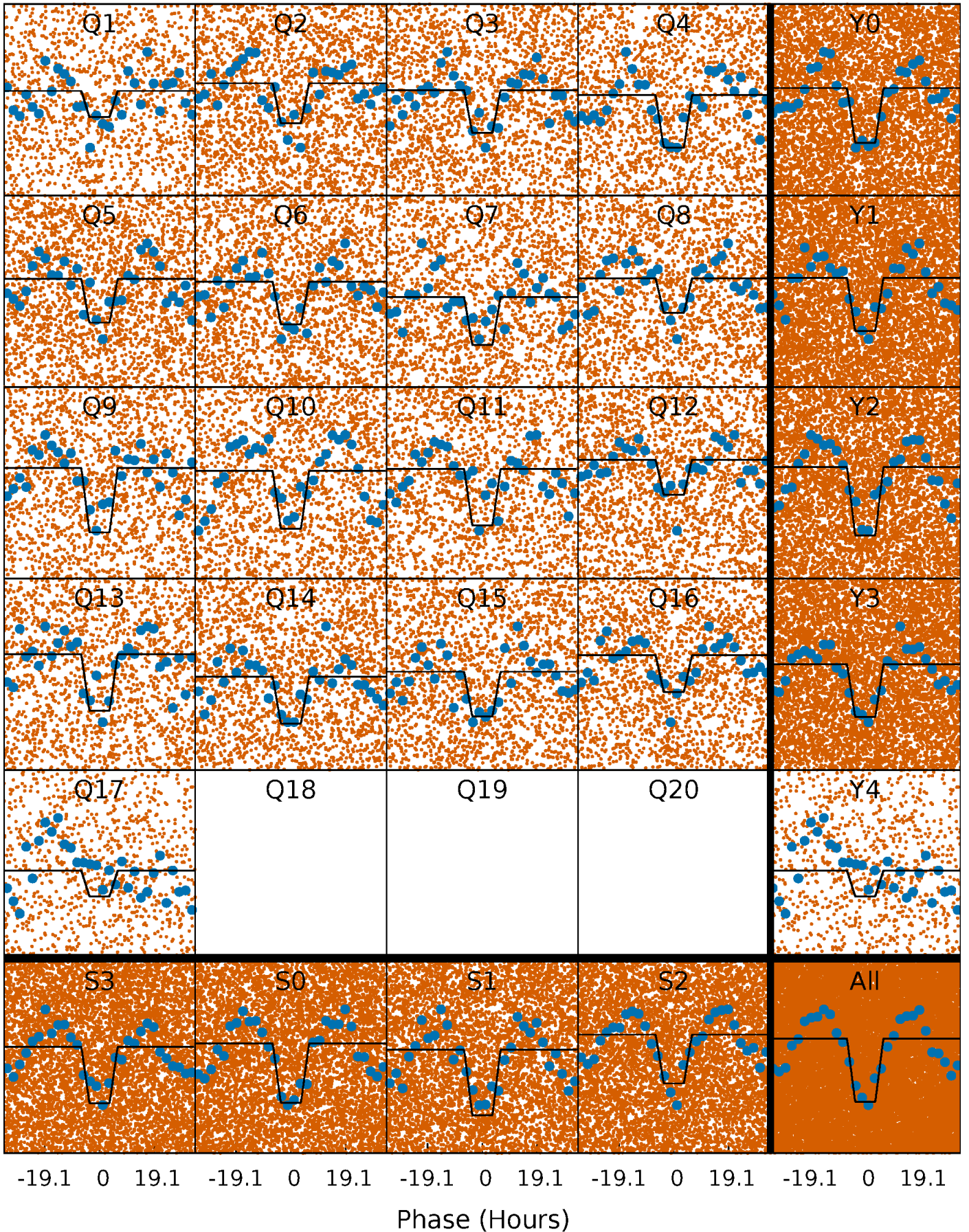
DV Quarter-Phased Transit Curves

TCE 006388466-01 P= 2.537974 Days $T_0=133.444684$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

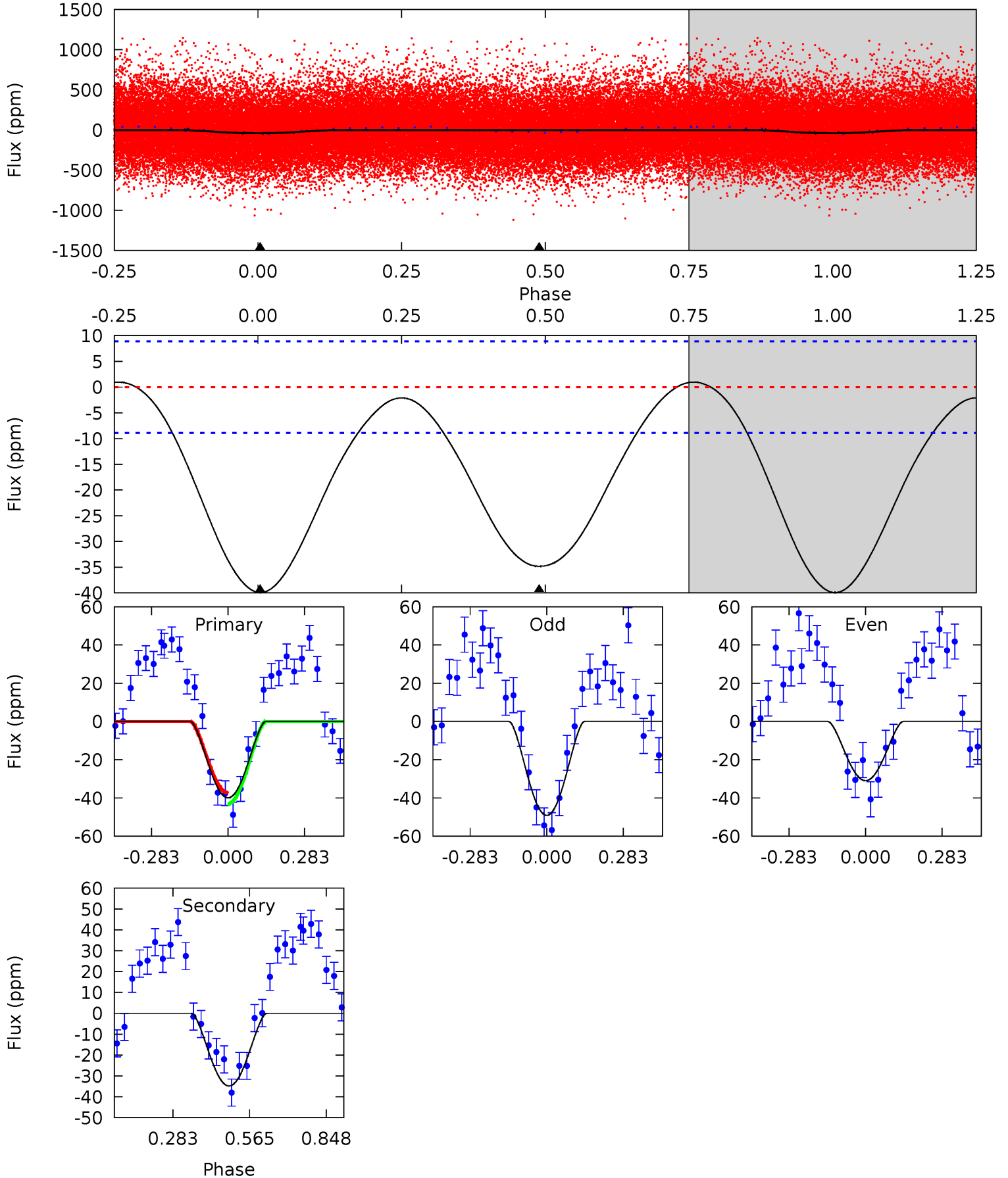
TCE 006388466-01 P= 2.538021 Days $T_0=133.441609$ (BKJD)



DV Model-Shift Uniqueness Test

006388466-01, P = 2.537974 Days, E = 130.906710 Days

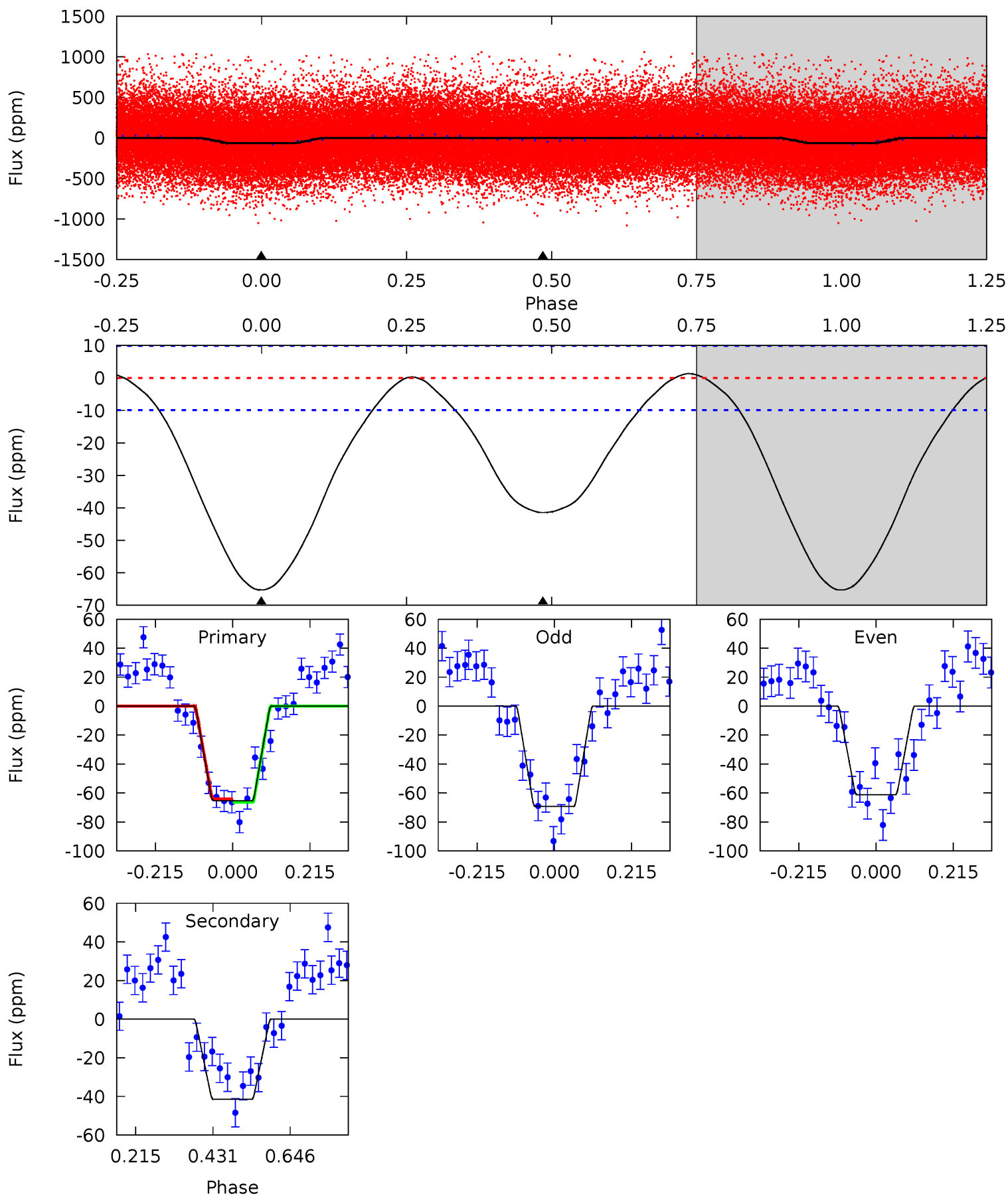
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.5	17.0	0	0	4.34	1.07	0.67	19.5	19.5	17.0	17.0	4.43	2.64	0.02	1.39



Alt Model-Shift Uniqueness Test

006388466-01, P = 2.538021 Days, E = 130.903588 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
29.0	18.4	0	0	4.40	1.24	0.63	29.0	29.0	18.4	18.4	1.81	0.93	0.02	0.55



Stellar Parameters For KIC 006388466

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5988^{+188}_{-208}	$4.377^{+0.108}_{-0.201}$	$-0.120^{+0.300}_{-0.300}$	$1.071^{+0.327}_{-0.176}$	$0.995^{+0.145}_{-0.119}$	$1.142^{+0.660}_{-0.563}$
	+3%/-3%	+2%/-5%	+250%/-250%	+31%/-16%	+15%/-12%	+58%/-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 006388466-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-35 ± 2	$2.49^{+2.16}_{-1.71}$	2024^{+155}_{-122}	3602^{+2007}_{-710}	$4.158^{+33.640}_{-2.962}$
Alt.	-41 ± 2	$2.15^{+1.87}_{-1.49}$	2022^{+156}_{-113}	3899^{+2692}_{-777}	$6.574^{+67.728}_{-4.679}$

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

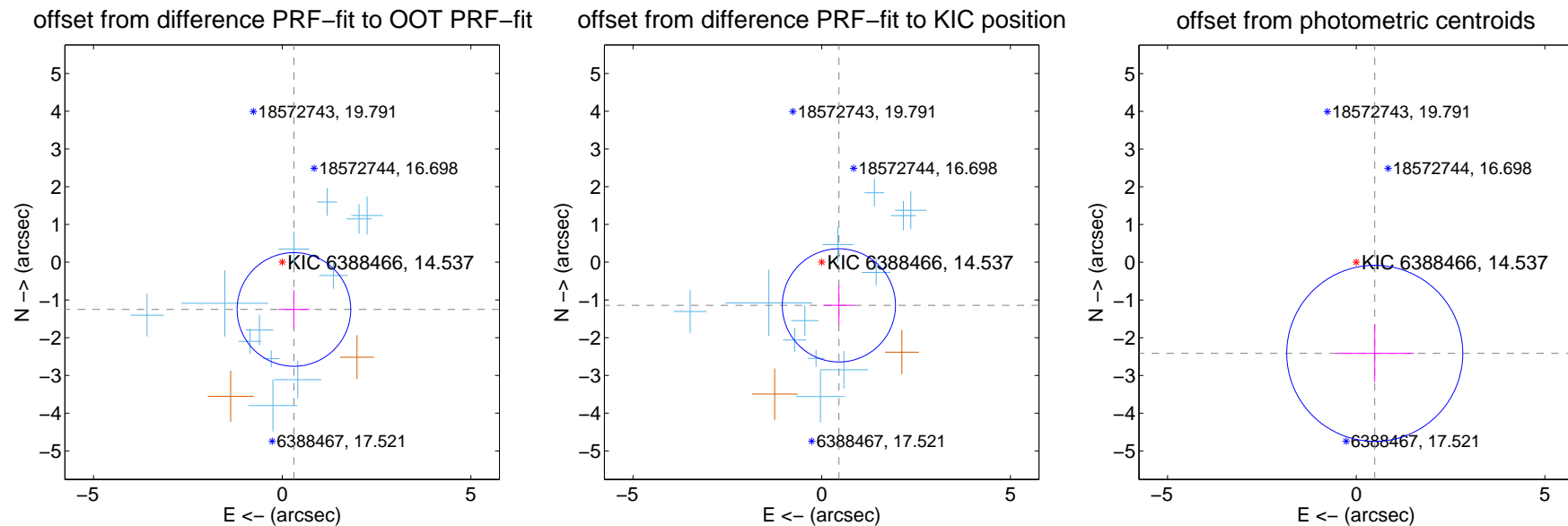
DV Centroid Data

Supplemental centroid analysis for 006388466-01. Kepler magnitude: 14.54. Transit SNR 12.31

There are 12 quarters with good PRF difference image offsets

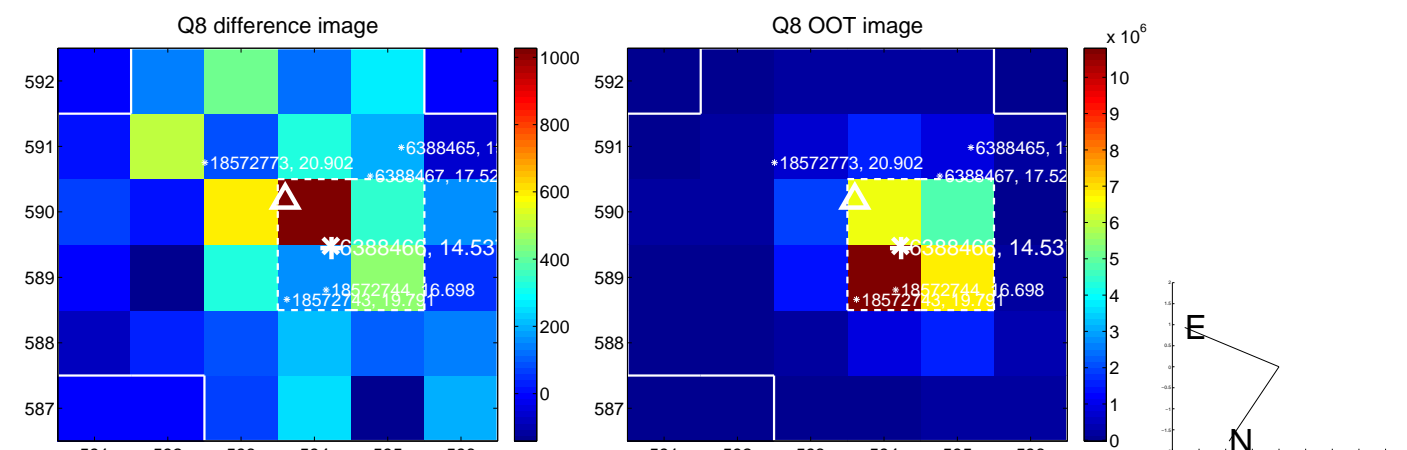
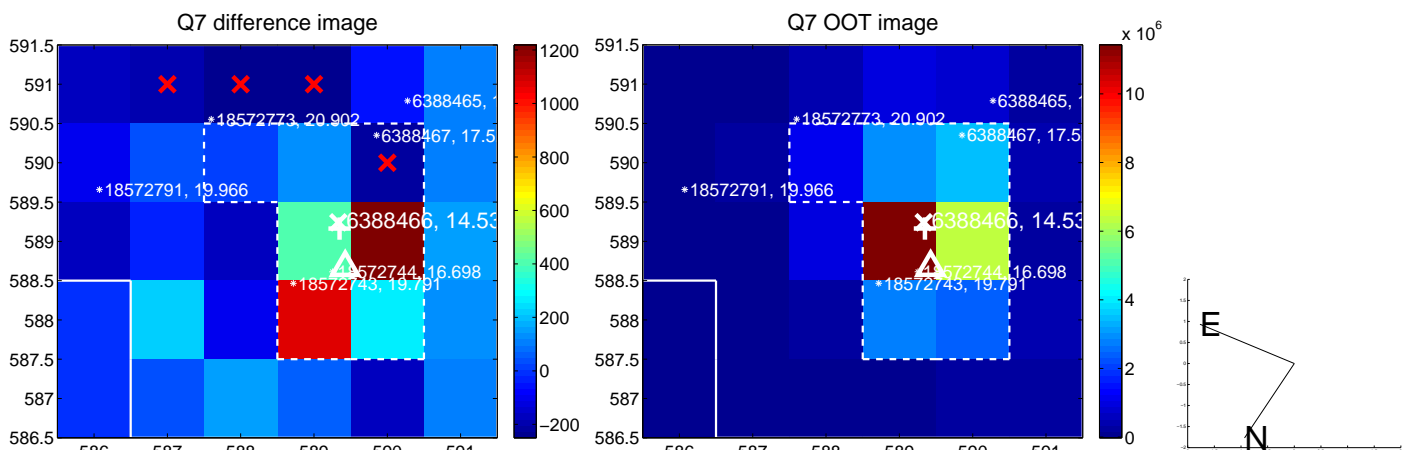
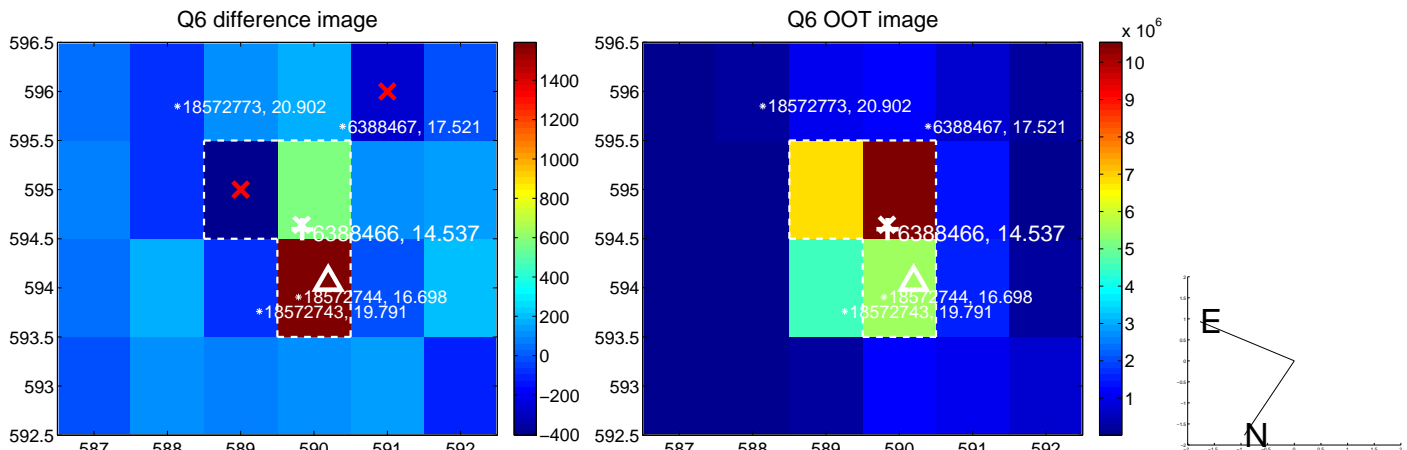
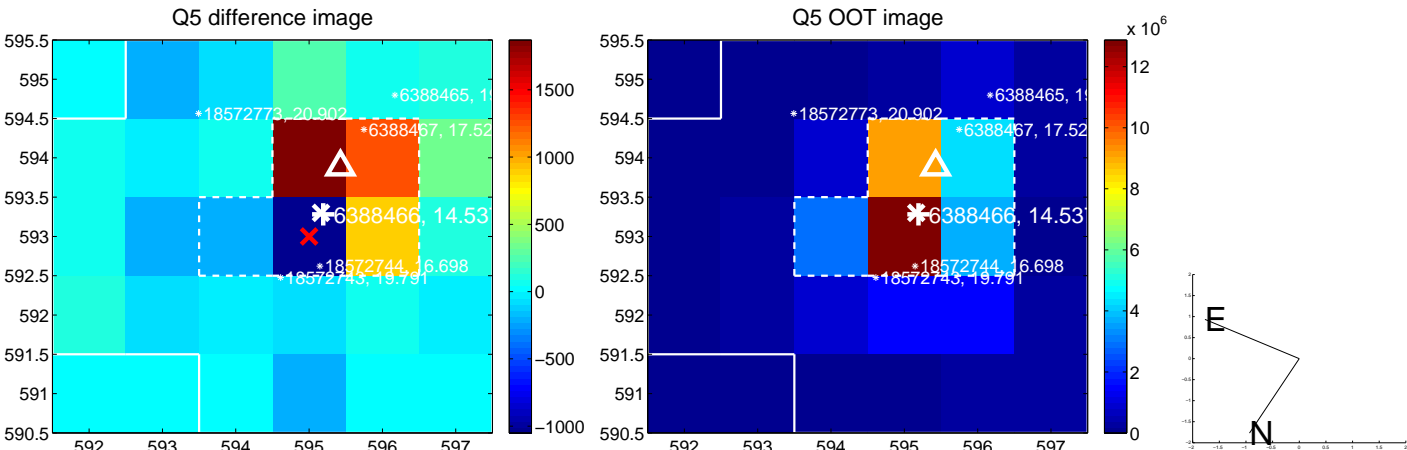
The direct PRF centroid is offset from the target star catalog position by about 0.20 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.290 ± 0.502	2.57	-0.310 ± 0.414	-1.252 ± 0.507
PRF-fit source offset from KIC position	1.231 ± 0.500	2.46	-0.455 ± 0.414	-1.144 ± 0.512
photometric centroid source offset	2.46 ± 0.78	3.17	-0.49 ± 1.04	-2.41 ± 0.76

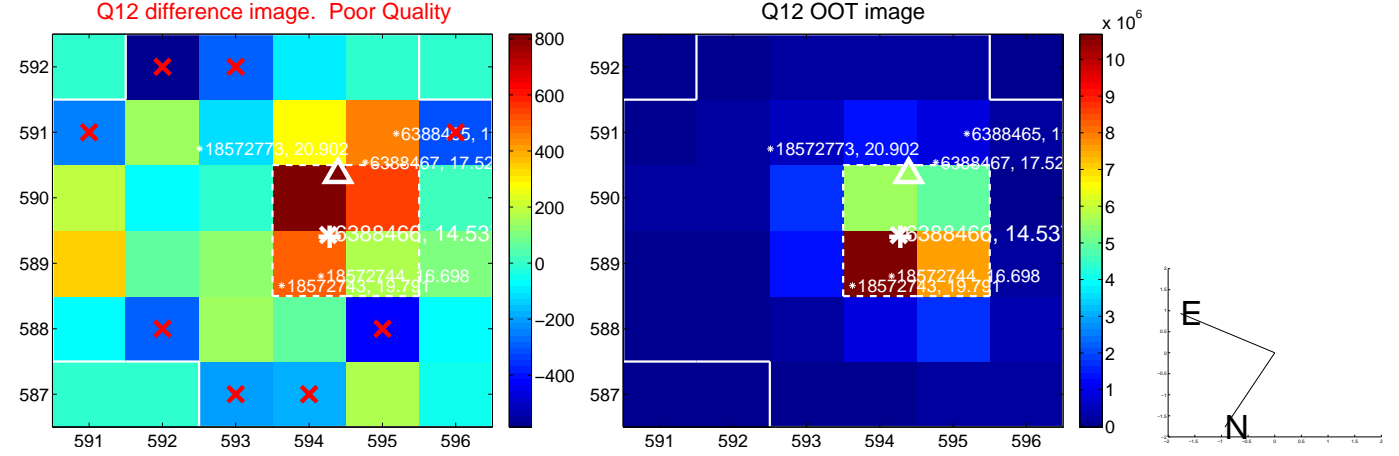
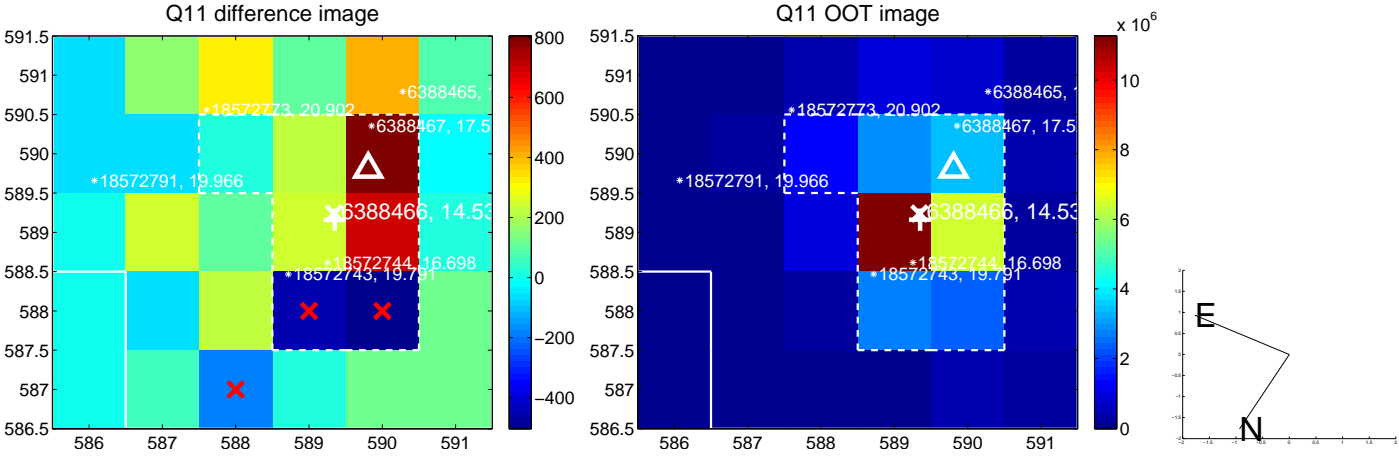
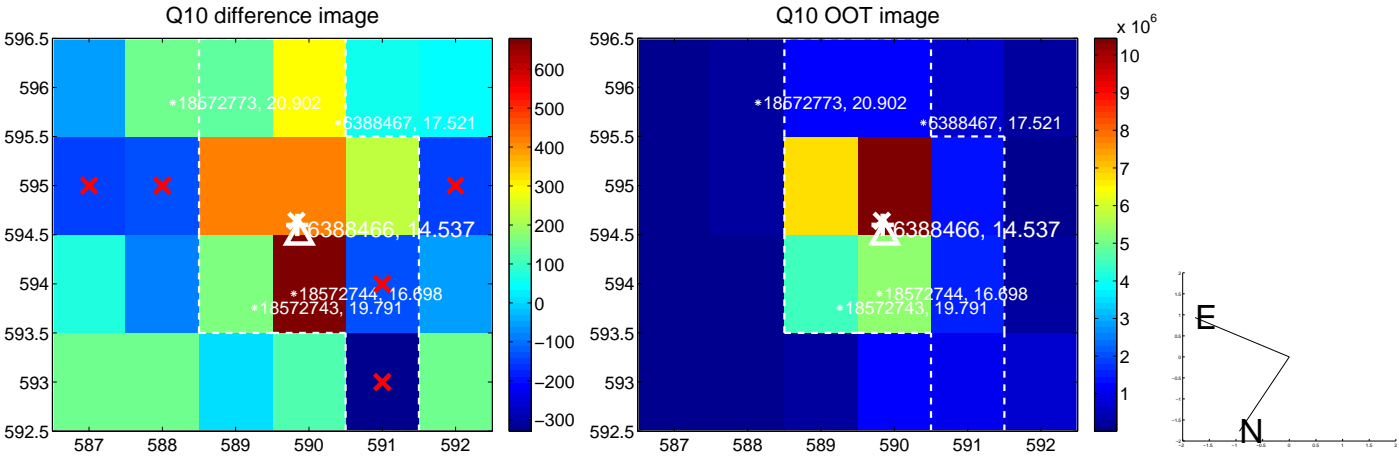
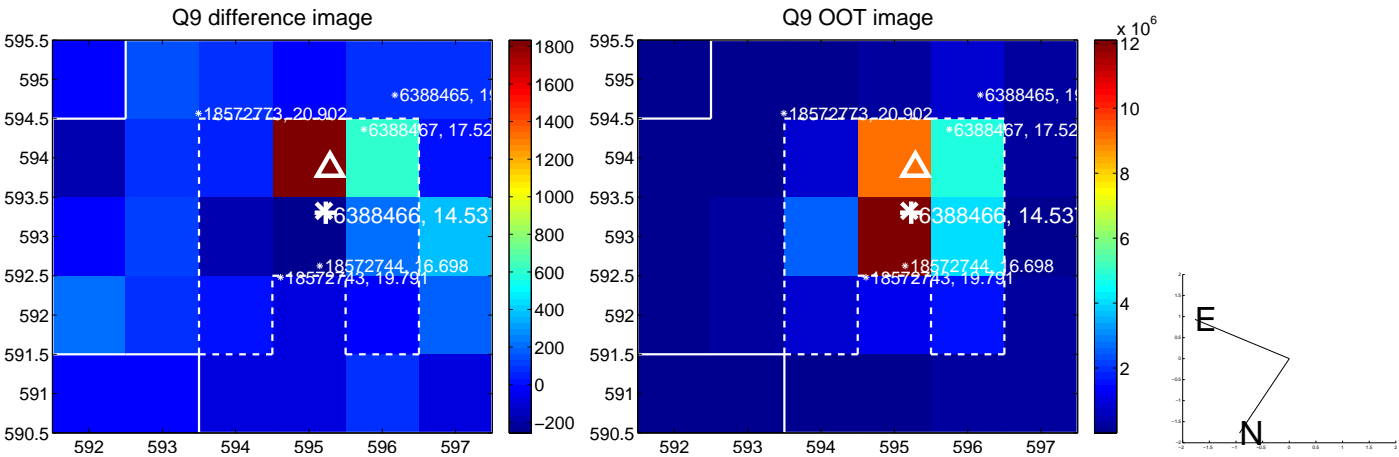


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

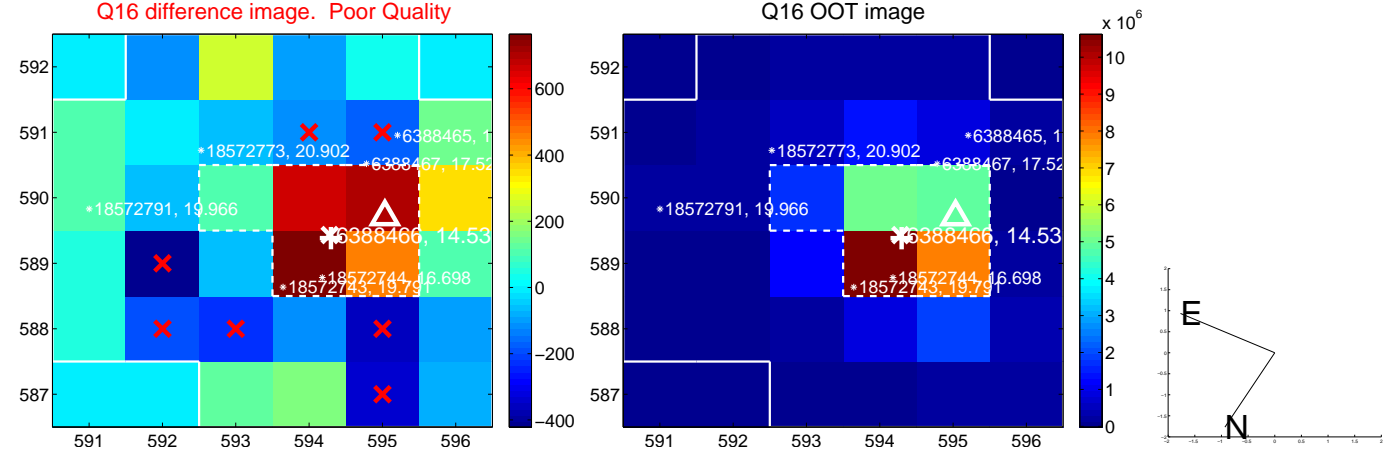
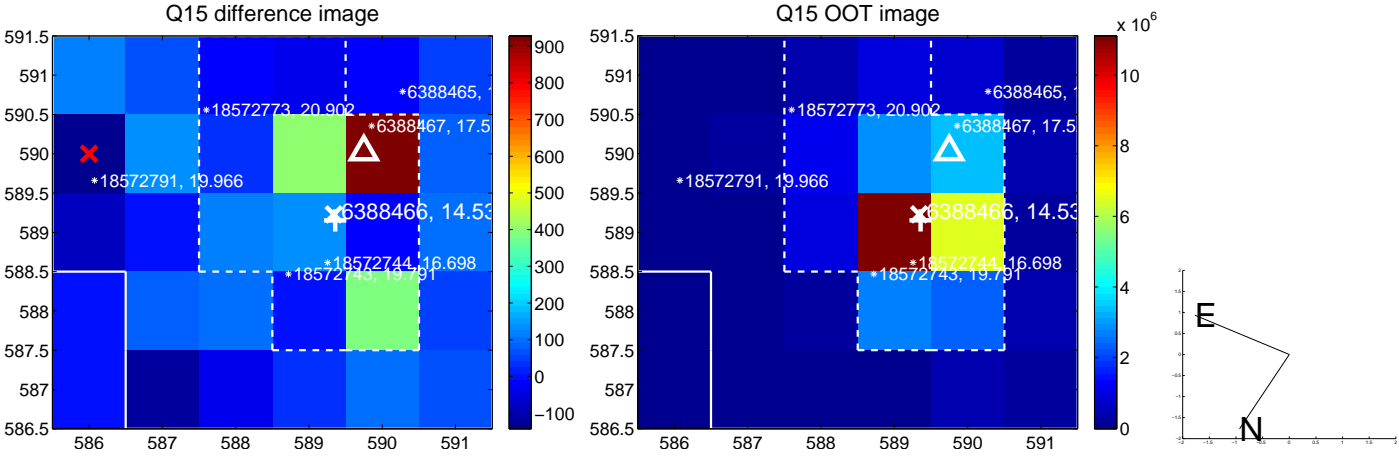
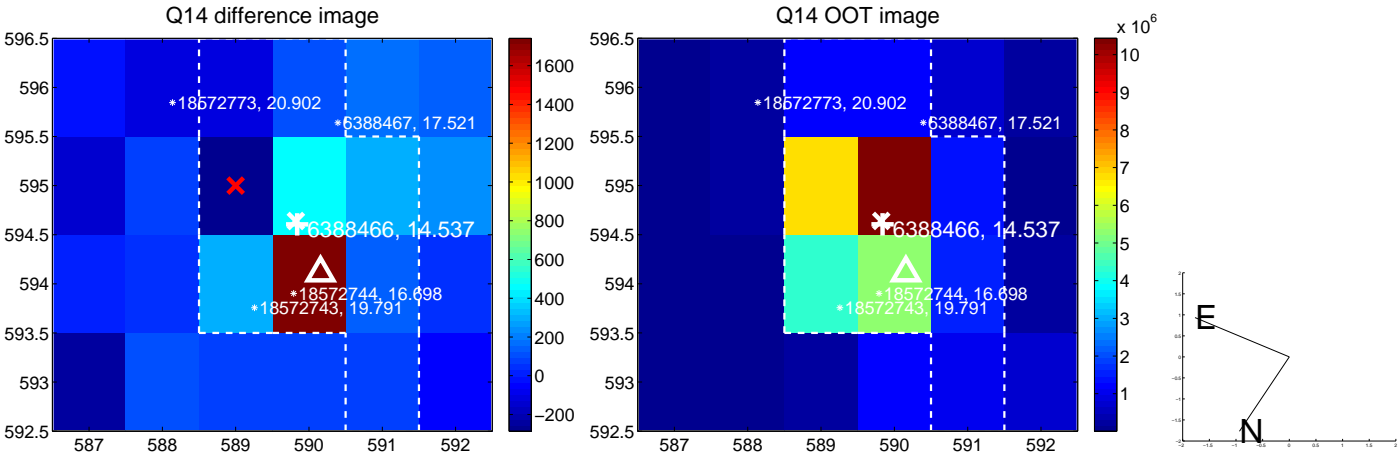
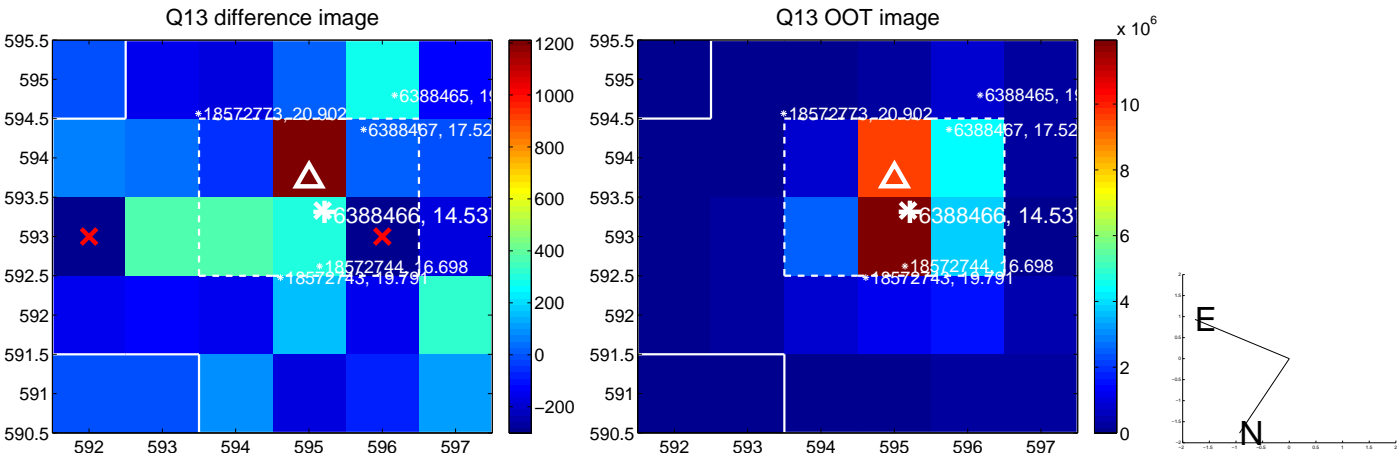
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



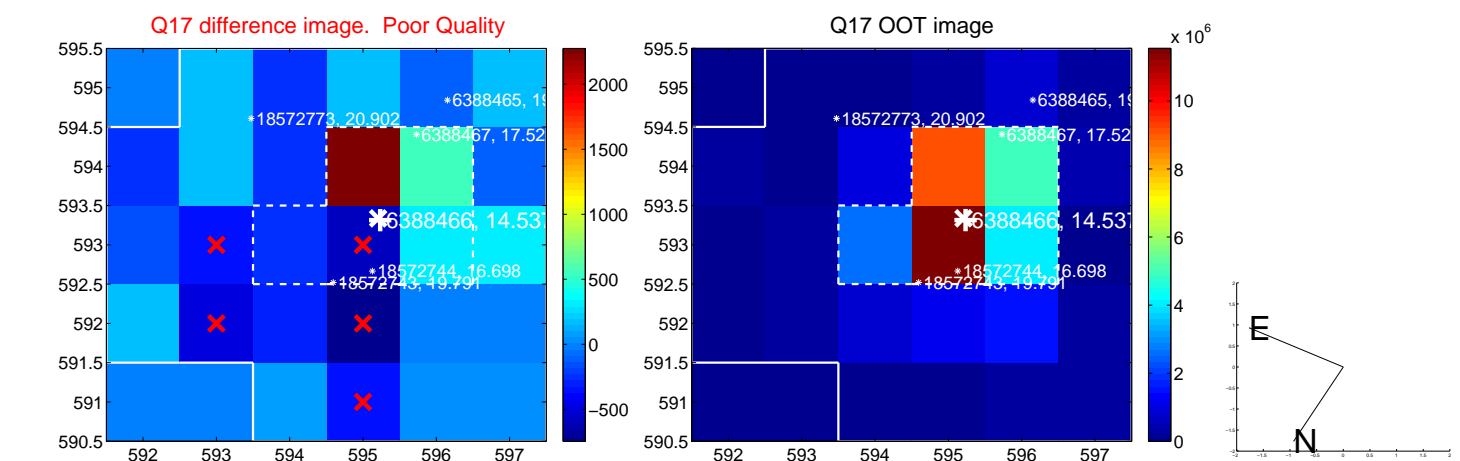
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



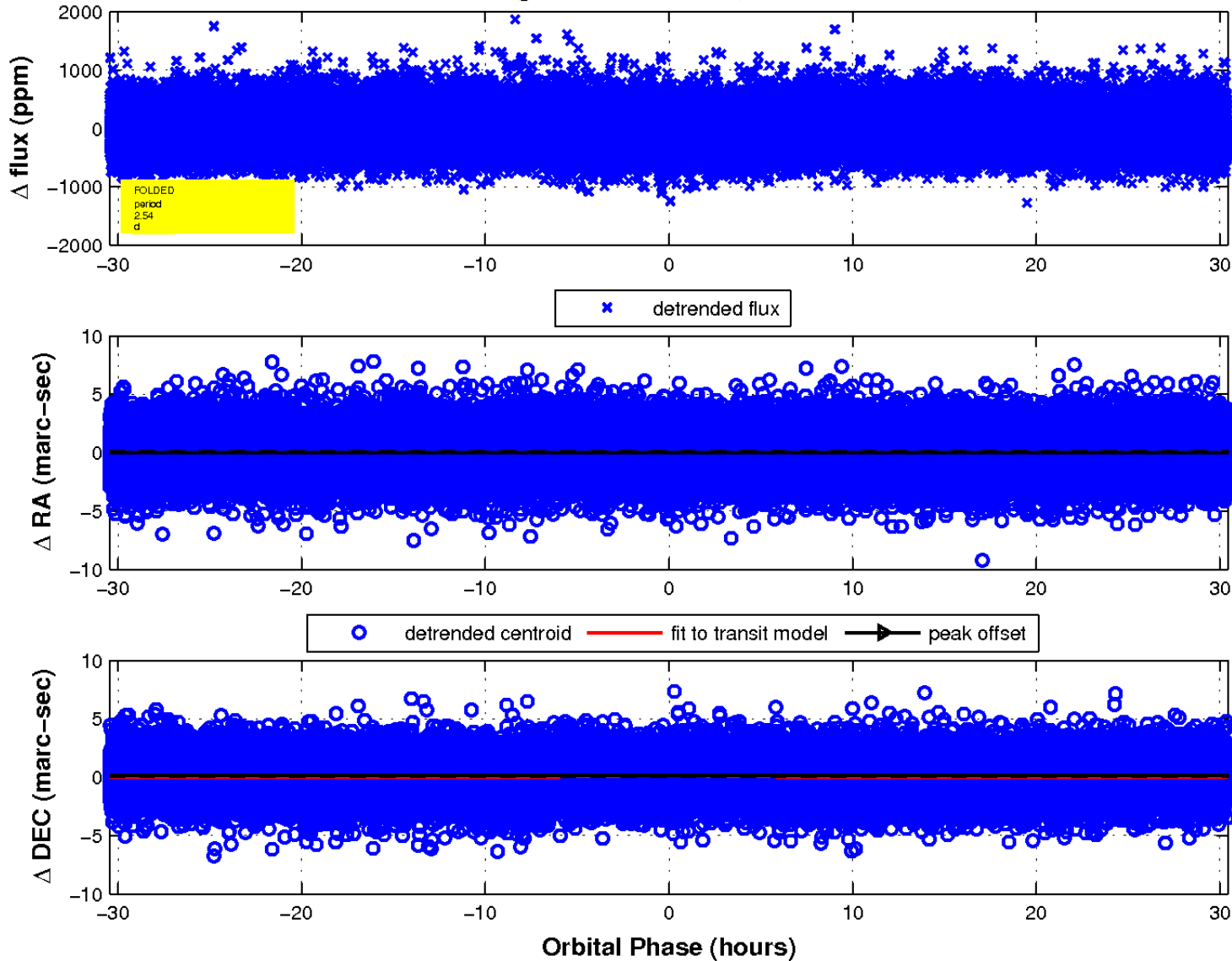
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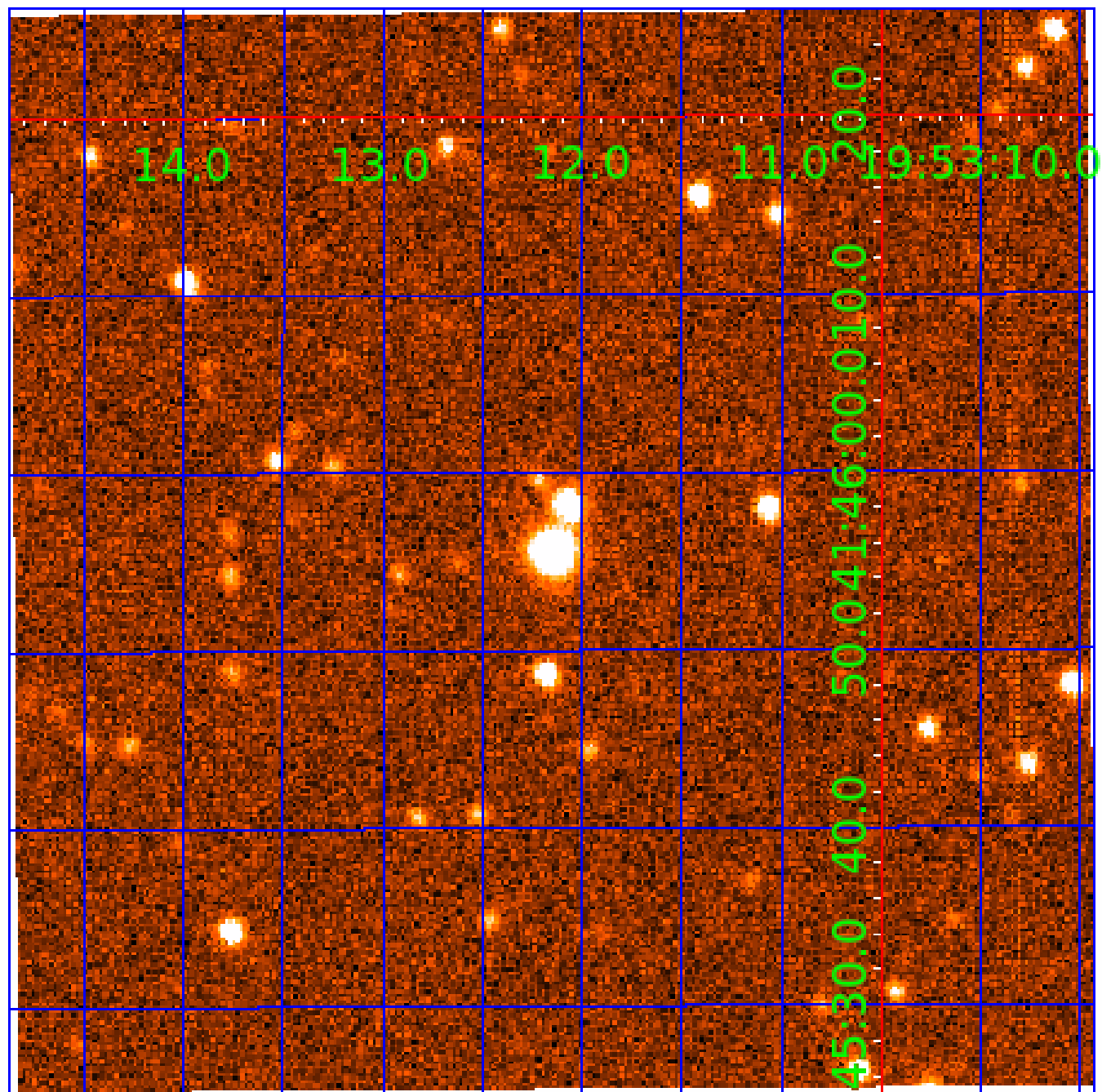


fluxWeightedCentroids, Planet 1 of 3



UKIRT Image

Declination



KIC 006388466

Q1-17 DR25 TCE Parameters

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006388466-03	OBS	No	93.549642	168.892326	502.4	1.946	8.3	8.2	1.07	5988	2.78	8.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006388466-01	OBS	FP	0.00	1	0	0	0	LPP_DV
006388466-02	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—INCONSISTENT_TRANS—CENT_FEW_DIFFS—HALO_GHOST
006388466-03	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE_CHASES—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_FEW_DIFFS—HALO_GHOST

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

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

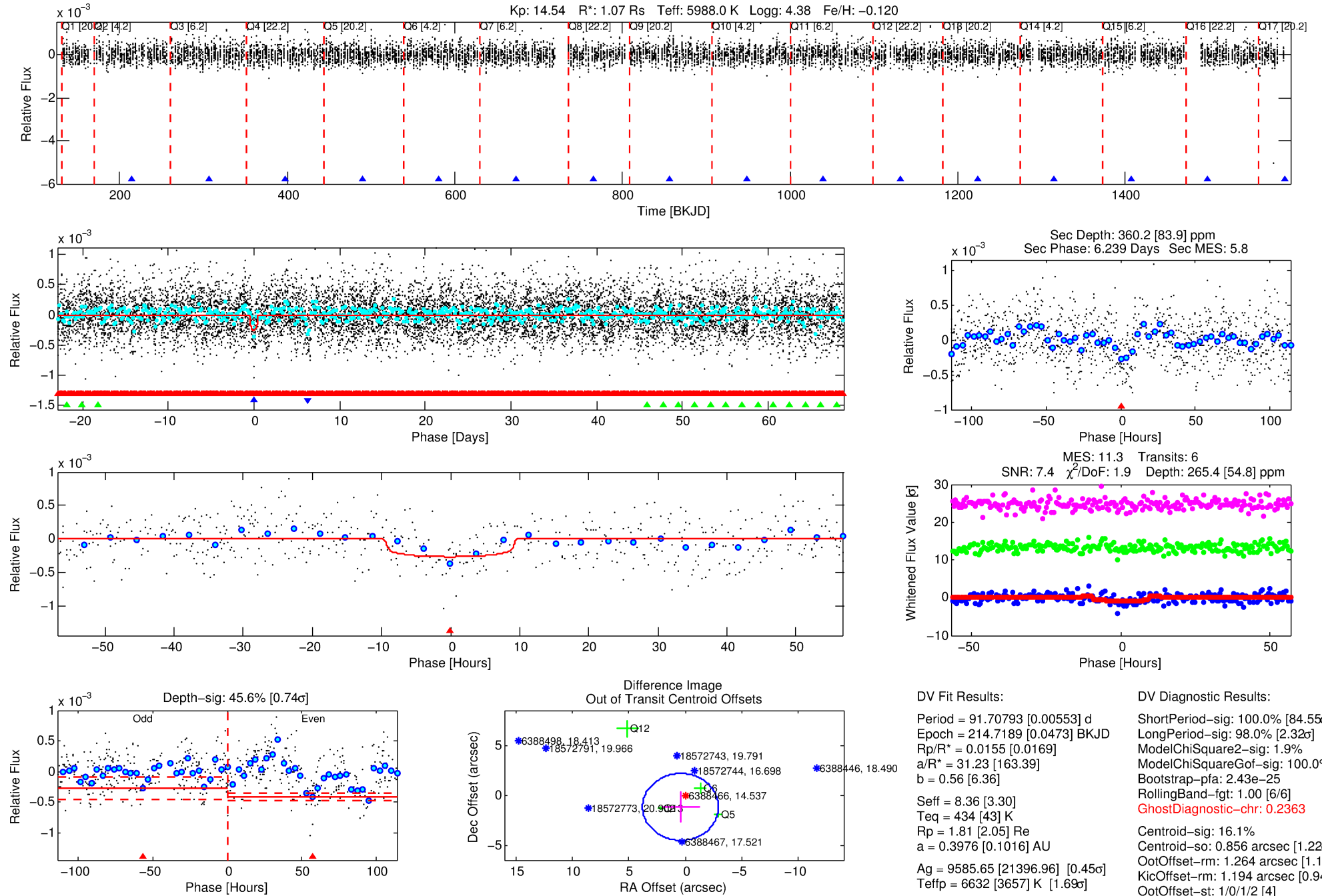
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006388466-02

No Significant Match Found

DV One-Page Summary

KIC: 6388466 Candidate: 2 of 3 Period: 91.708 d



DV Fit Results:

Period = 91.70793 [0.00553] d
Epoch = 214.7189 [0.0473] BKJD
Rp/R* = 0.0155 [0.0169]
a/R* = 31.23 [163.39]
b = 0.56 [6.36]
Seff = 8.36 [3.30]
Teq = 434 [43] K
Rp = 1.81 [2.05] Re
a = 0.3976 [0.1016] AU
Ag = 9585.65 [21396.96] [0.45 σ]
Teffp = 6632 [3657] K [1.69 σ]

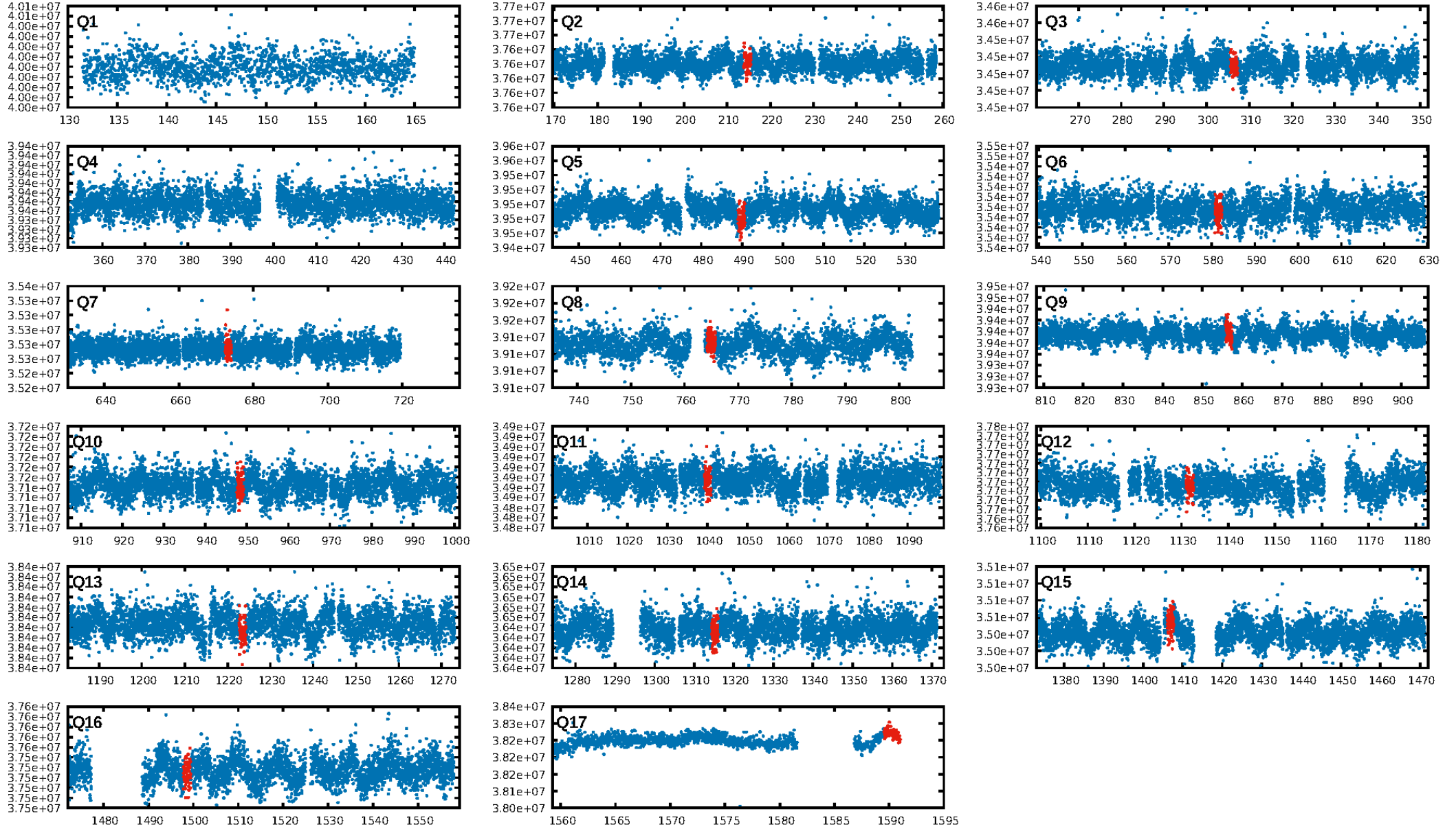
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [84.55 σ]
LongPeriod-sig: 98.0% [2.32 σ]
ModelChiSquare2-sig: 1.9%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 2.43e-25
RollingBand-fgt: 1.00 [6/6]
GhostDiagnostic-chr: 0.2363
Centroid-sig: 16.1%
Centroid-so: 0.856 arcsec [1.22 σ]
OotOffset-rm: 1.264 arcsec [1.13 σ]
KicOffset-rm: 1.194 arcsec [0.94 σ]
OotOffset-st: 1/0/1/2 [4]
KicOffset-st: 1/0/1/2 [4]
DiffImageQuality-fgm: 0.50 [2/4]
DiffImageOverlap-fno: 0.00 [0/10]

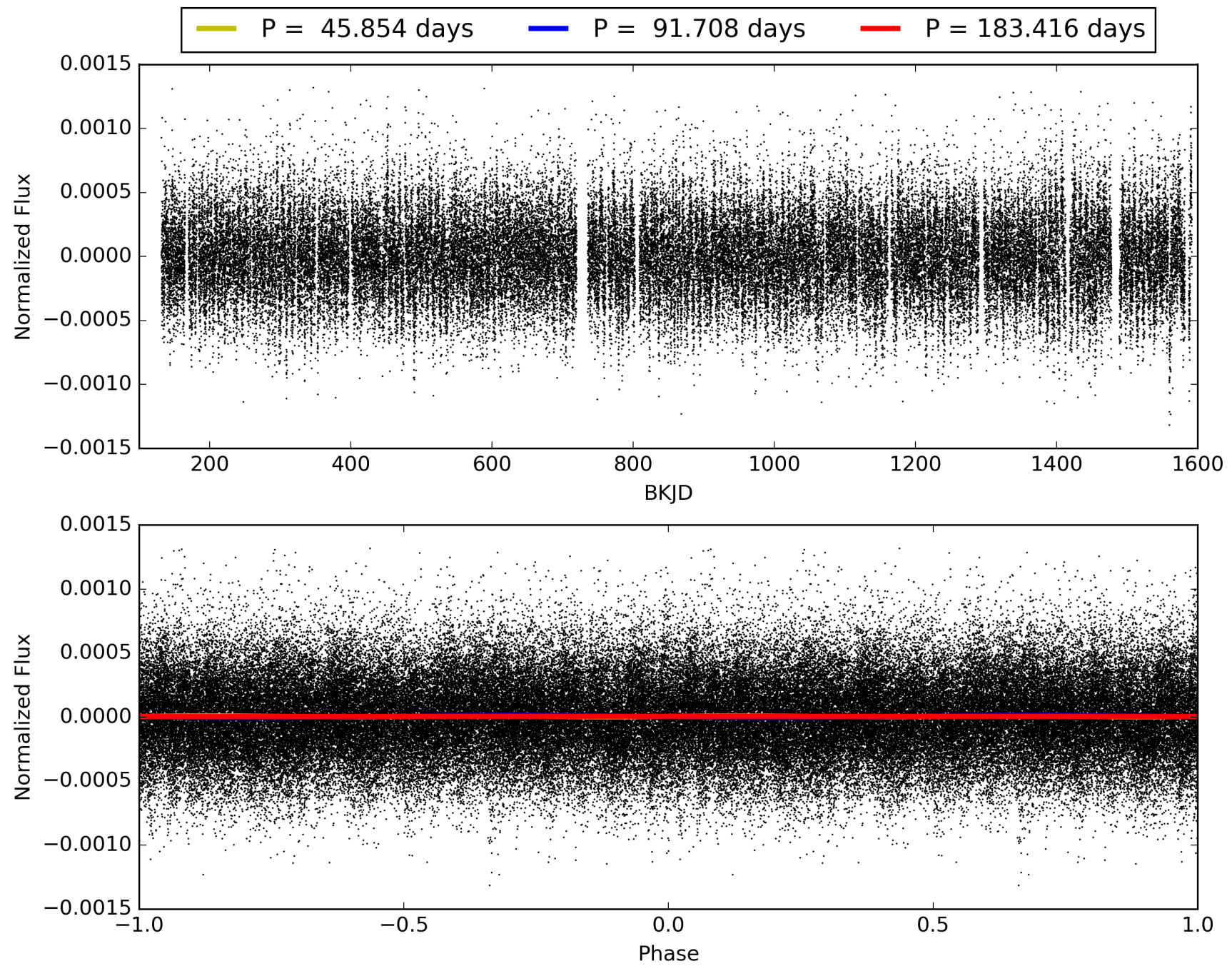
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 09:29:54 Z

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

TCE 006388466-02, PDC Light Curves

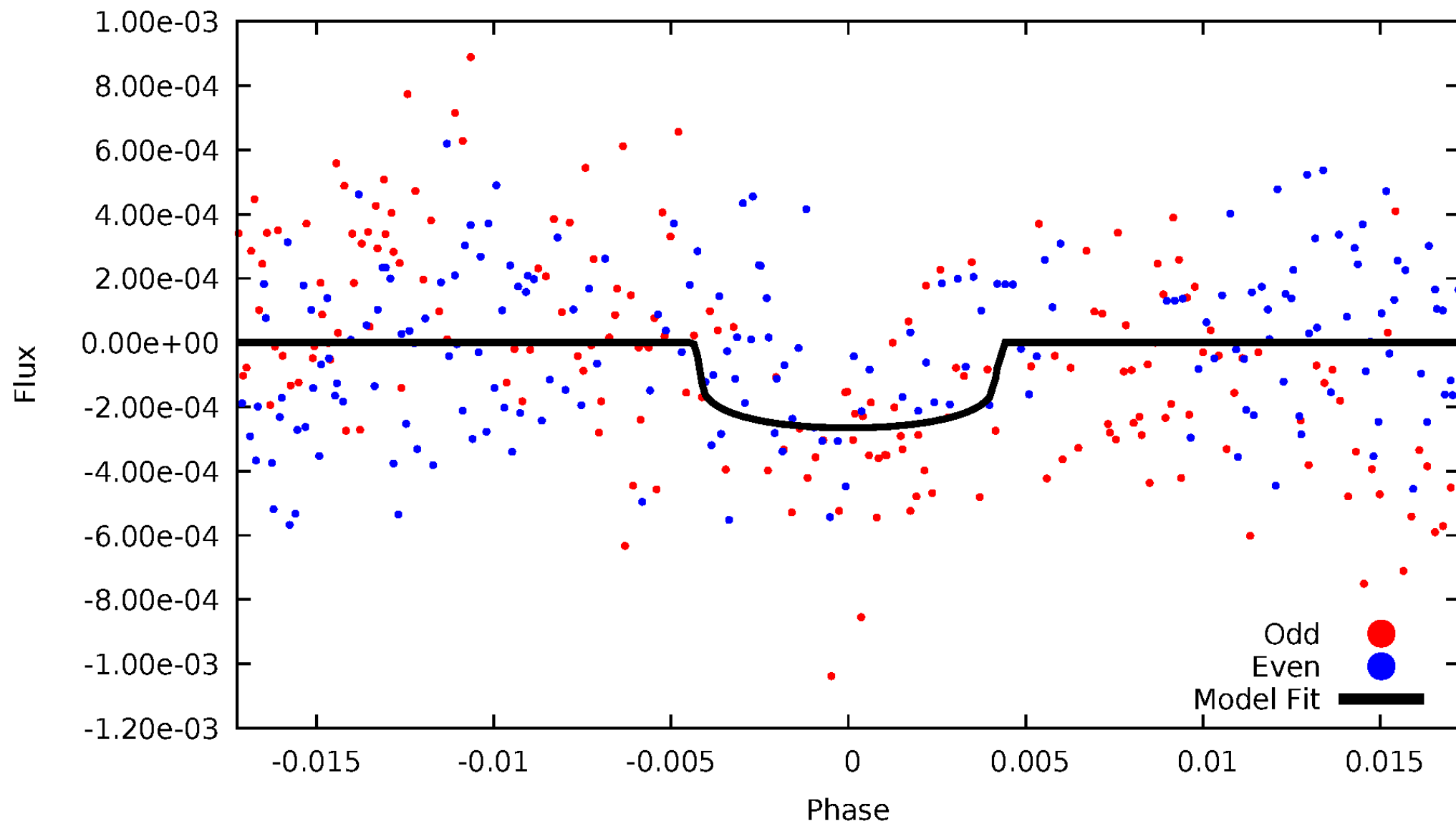


TCE 006388466-02



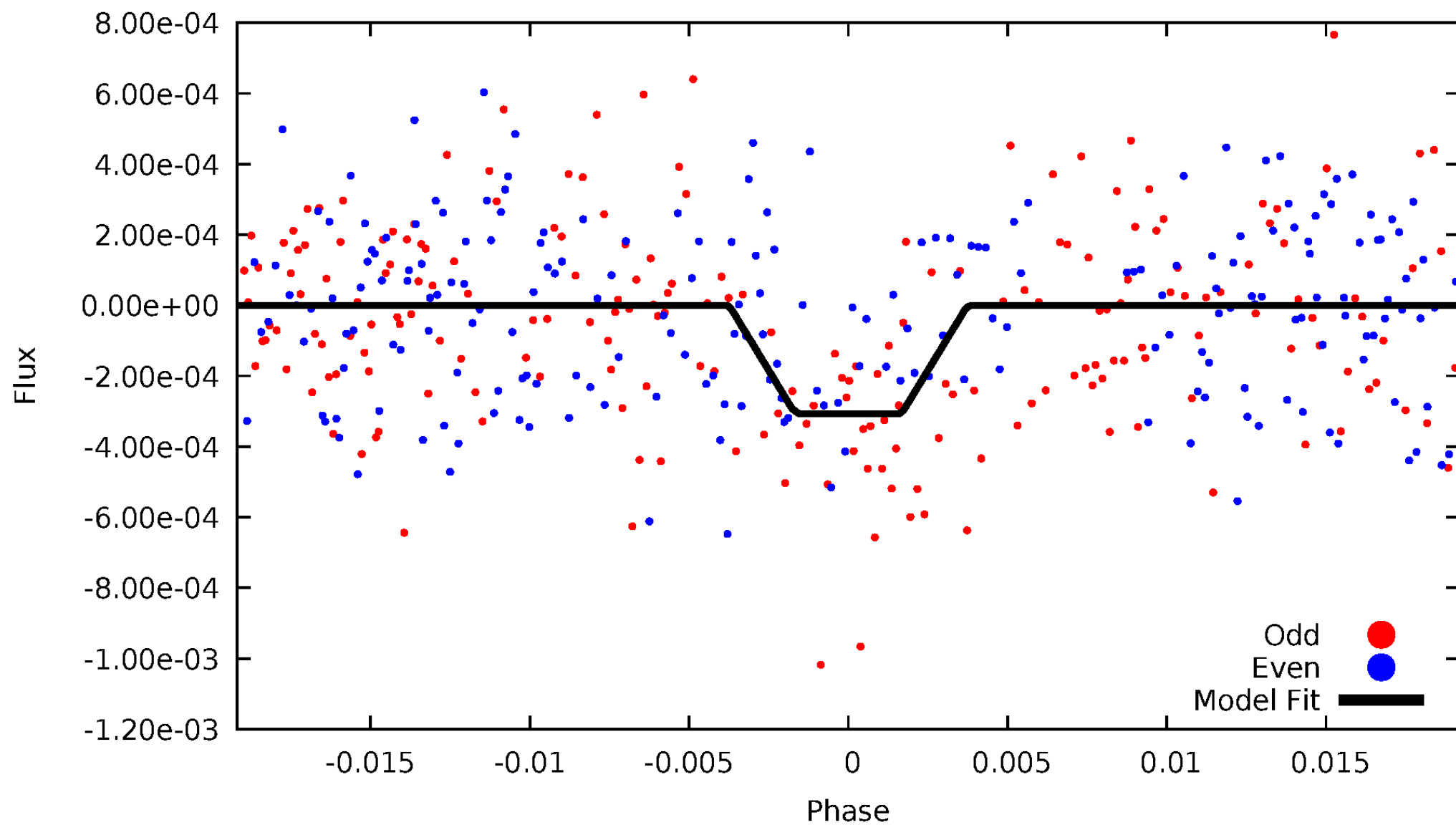
DV Odd/Even

TCE 006388466-02



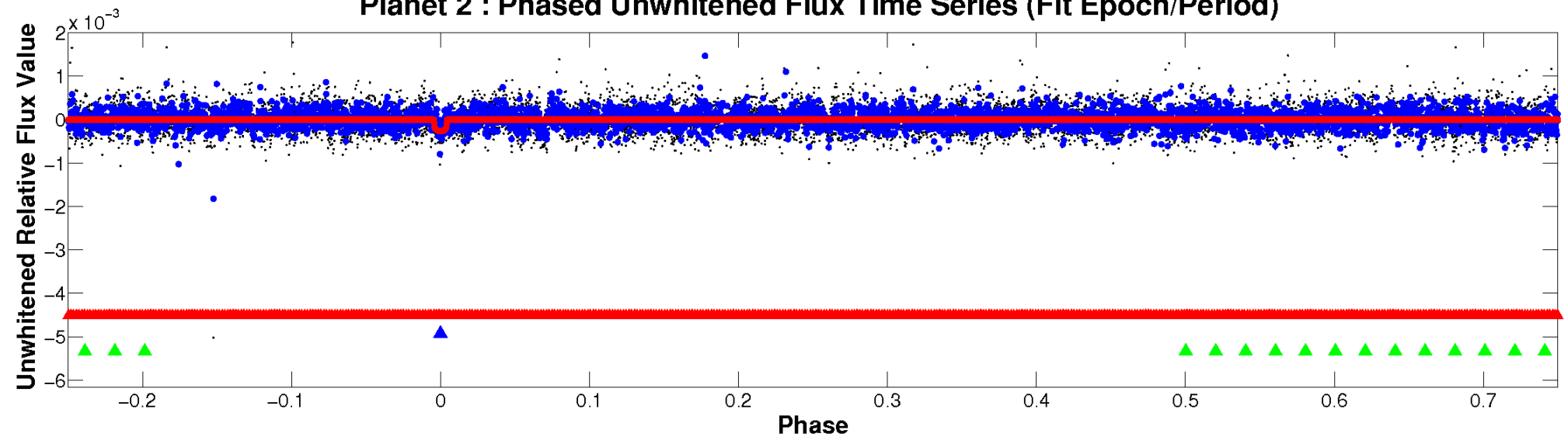
ALT Odd/Even

TCE 006388466-02

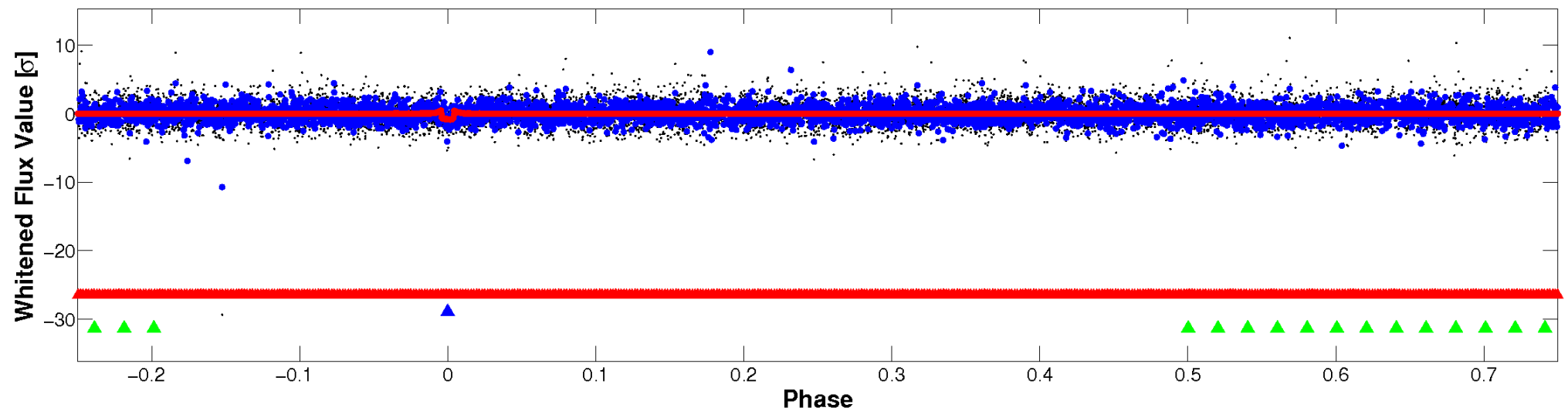


Non-Whitened Vs. Whitened Light Curve

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

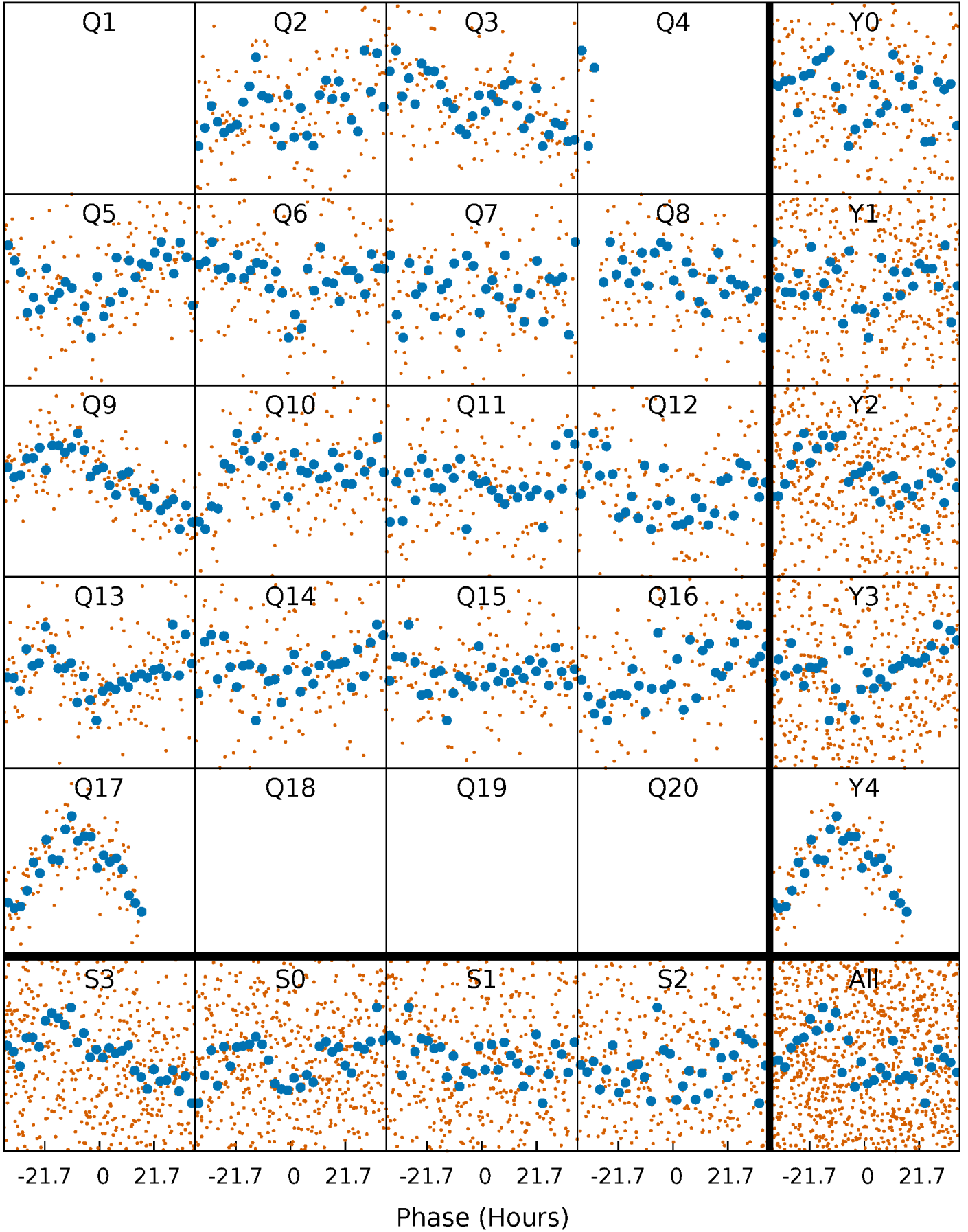


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



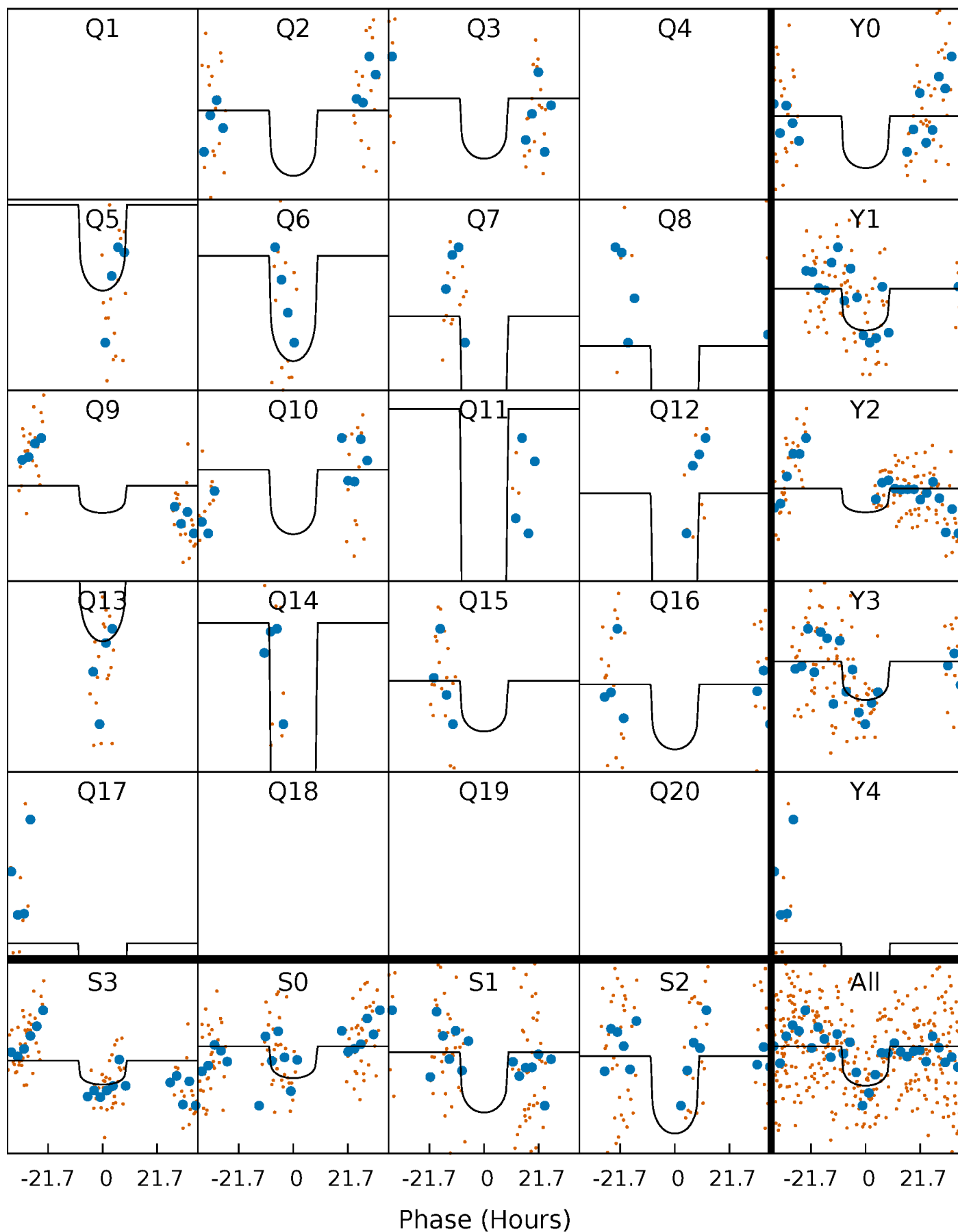
PDC Quarter-Phased Transit Curves

TCE 006388466-02 P= 91.707928 Days $T_0=214.718948$ (BKJD)



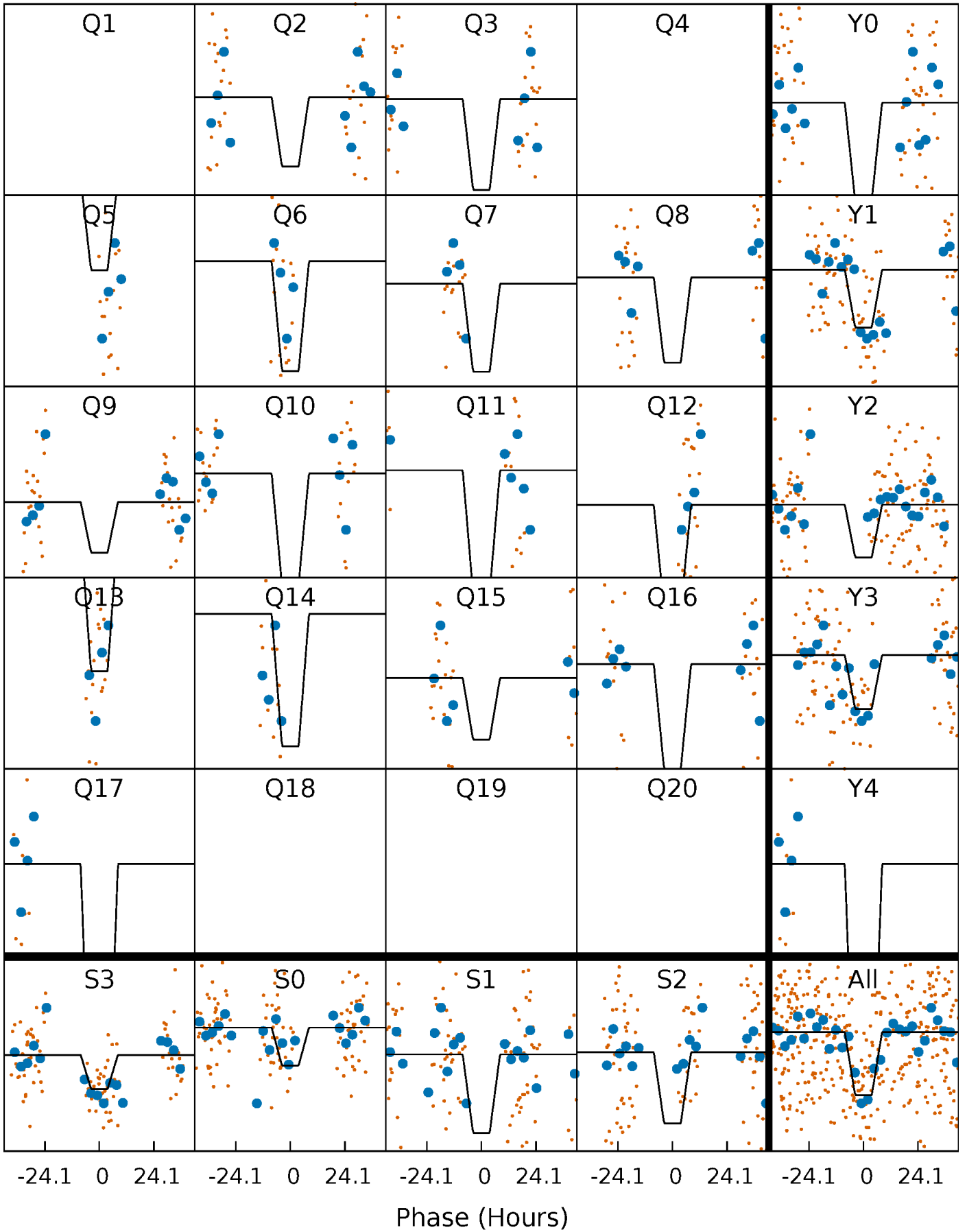
DV Quarter-Phased Transit Curves

TCE 006388466-02 P= 91.707928 Days $T_0=214.718948$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

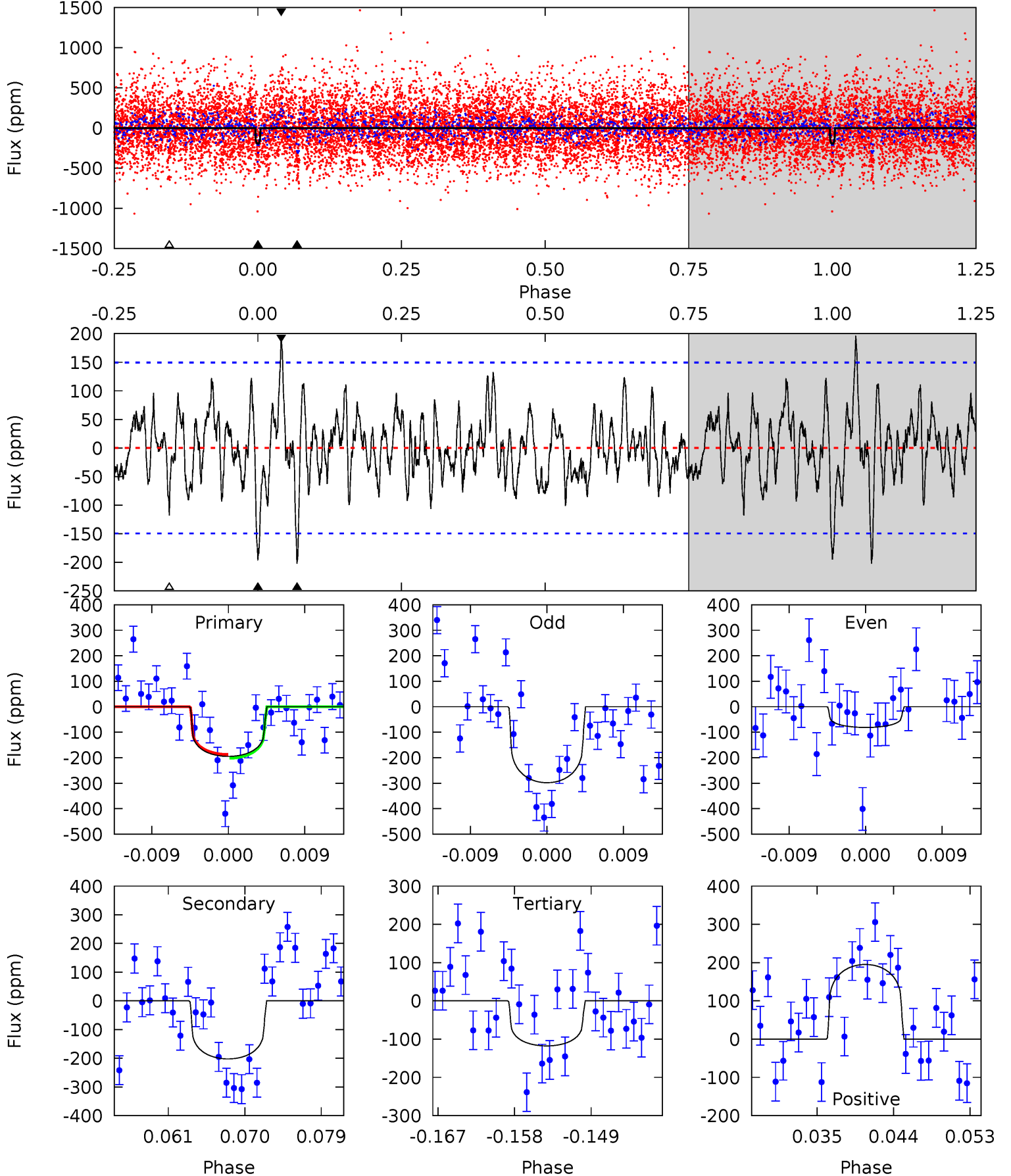
TCE 006388466-02 P= 91.712628 Days $T_0=214.702590$ (BKJD)



DV Model-Shift Uniqueness Test

006388466-02, P = 91.707928 Days, E = 123.011020 Days

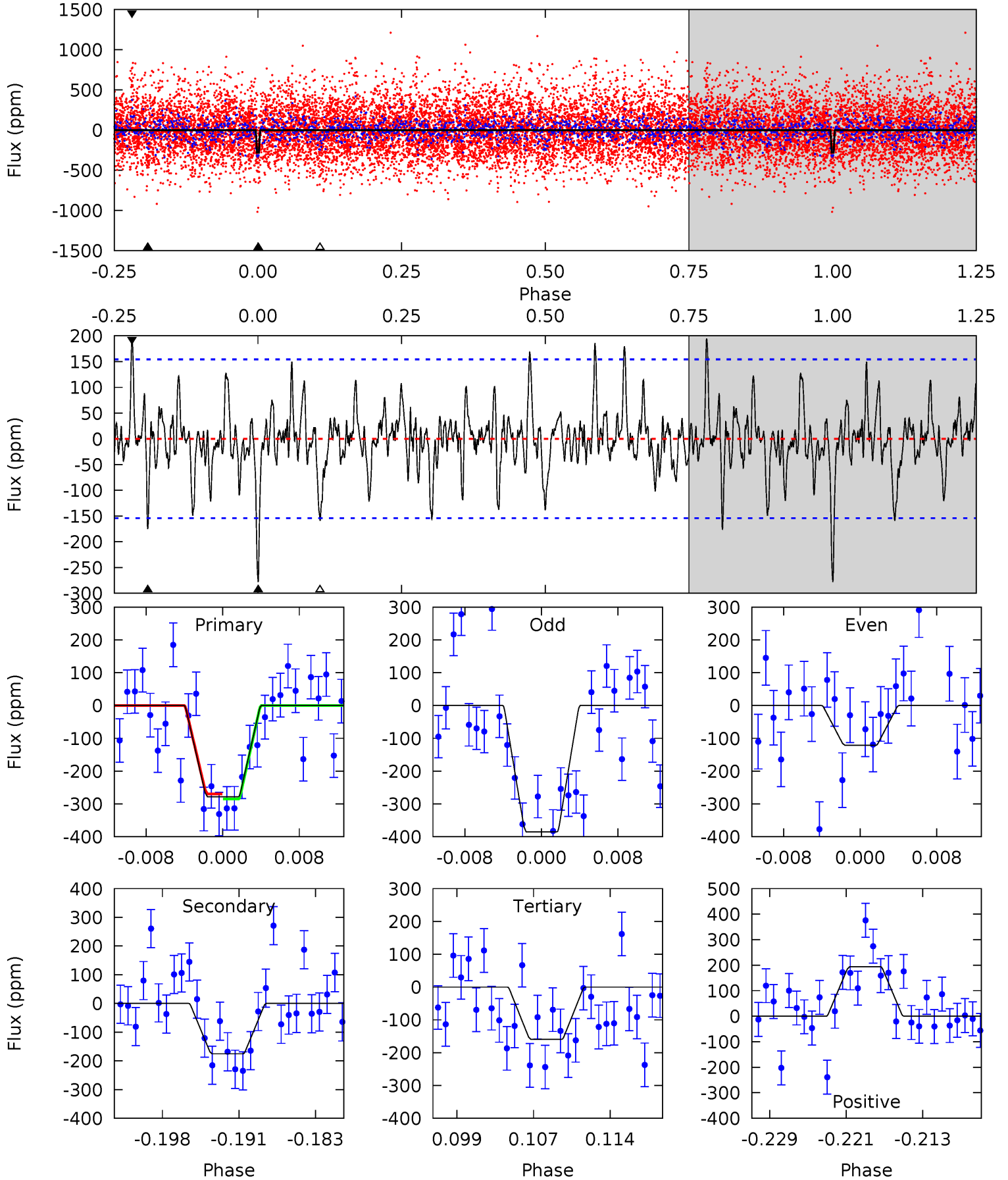
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.58	6.84	3.98	6.59	5.05	2.62	1.65	2.60	-0.01	2.86	0.24	3.67	1.49	0.49	0.25



Alt Model-Shift Uniqueness Test

006388466-02, $P = 91.712628$ Days, $E = 122.989962$ Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.15	5.77	5.23	6.38	5.08	2.67	1.65	3.92	2.77	0.54	-0.61	4.37	1.14	0.41	0.25



Stellar Parameters For KIC 006388466

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5988^{+188}_{-208}	$4.377^{+0.108}_{-0.201}$	$-0.120^{+0.300}_{-0.300}$	$1.071^{+0.327}_{-0.176}$	$0.995^{+0.145}_{-0.119}$	$1.142^{+0.660}_{-0.563}$
	+3%/-3%	+2%/-5%	+250%/-250%	+31%/-16%	+15%/-12%	+58%/-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 006388466-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-202 ± 30	$2.42^{+1.65}_{-1.56}$	613^{+48}_{-36}	5107^{+3876}_{-1010}	2991^{+22192}_{-1951}
Alt.	-175 ± 30	$2.50^{+2.02}_{-1.53}$	616^{+46}_{-40}	4900^{+2929}_{-970}	2367^{+13759}_{-1623}

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 $A_{obs} \gg 1.0$

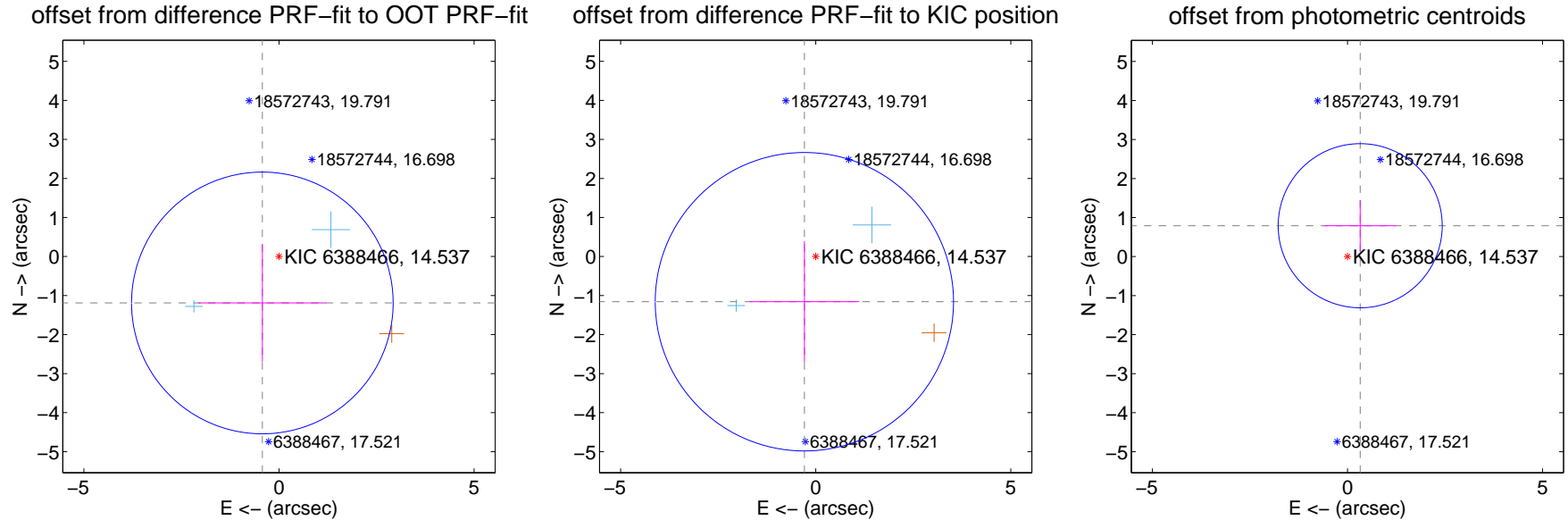
DV Centroid Data

Supplemental centroid analysis for 006388466-02. Kepler magnitude: 14.54. Transit SNR 7.40

There are 2 quarters with good PRF difference image offsets

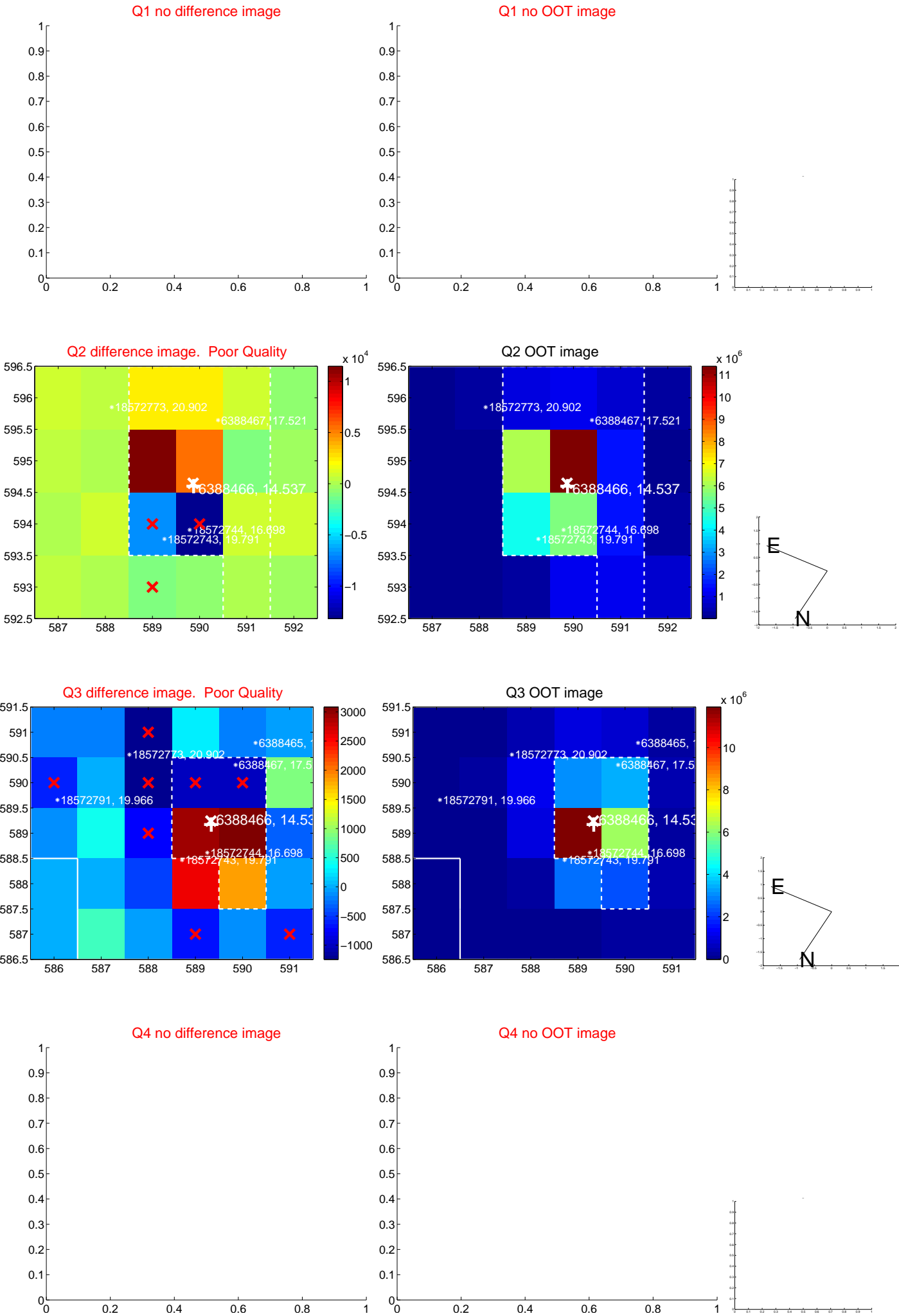
The direct PRF centroid is offset from the target star catalog position by about 0.14 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.264 ± 1.118	1.13	0.427 ± 1.639	-1.190 ± 1.508
PRF-fit source offset from KIC position	1.194 ± 1.274	0.94	0.291 ± 1.403	-1.158 ± 1.551
photometric centroid source offset	0.86 ± 0.70	1.22	-0.33 ± 0.92	0.79 ± 0.66

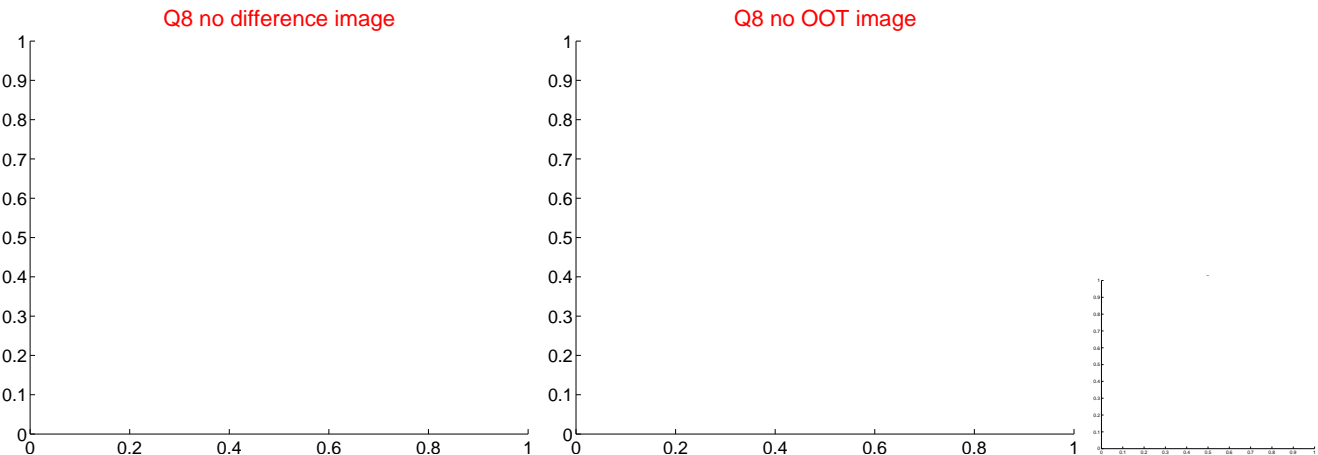
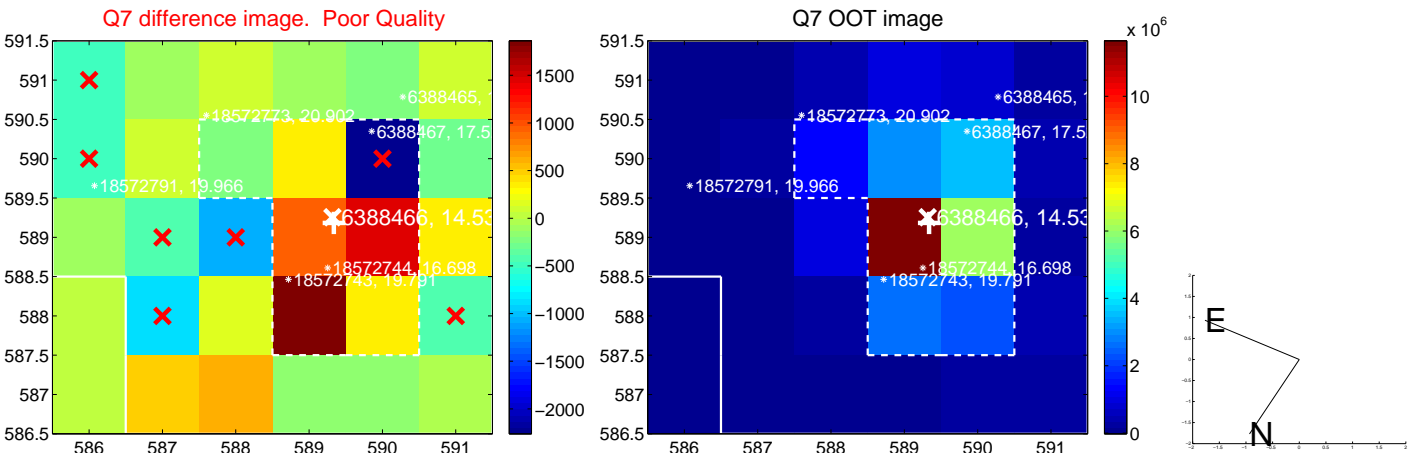
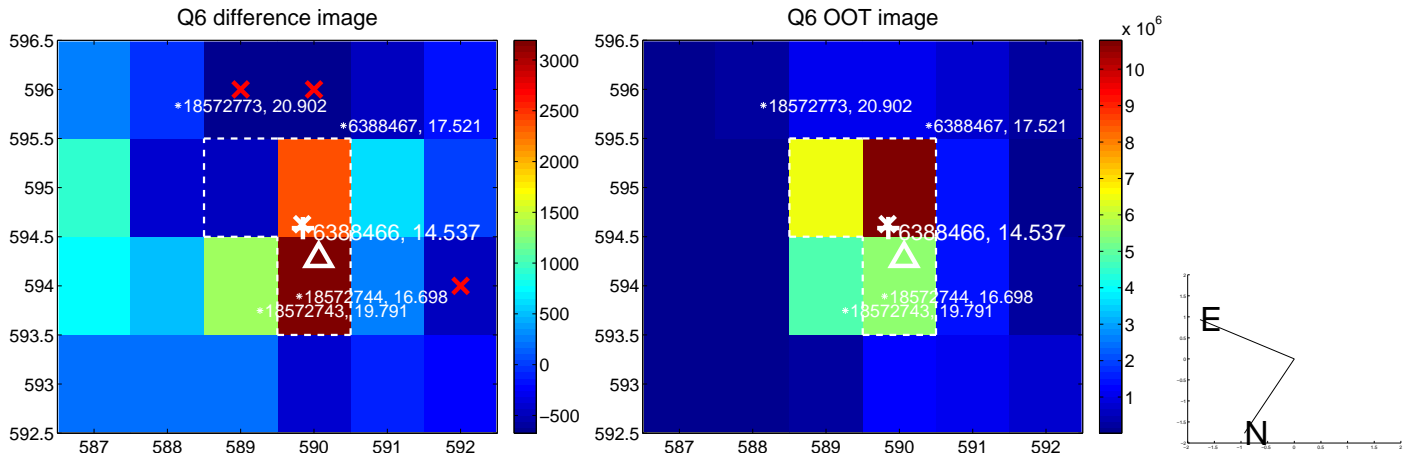
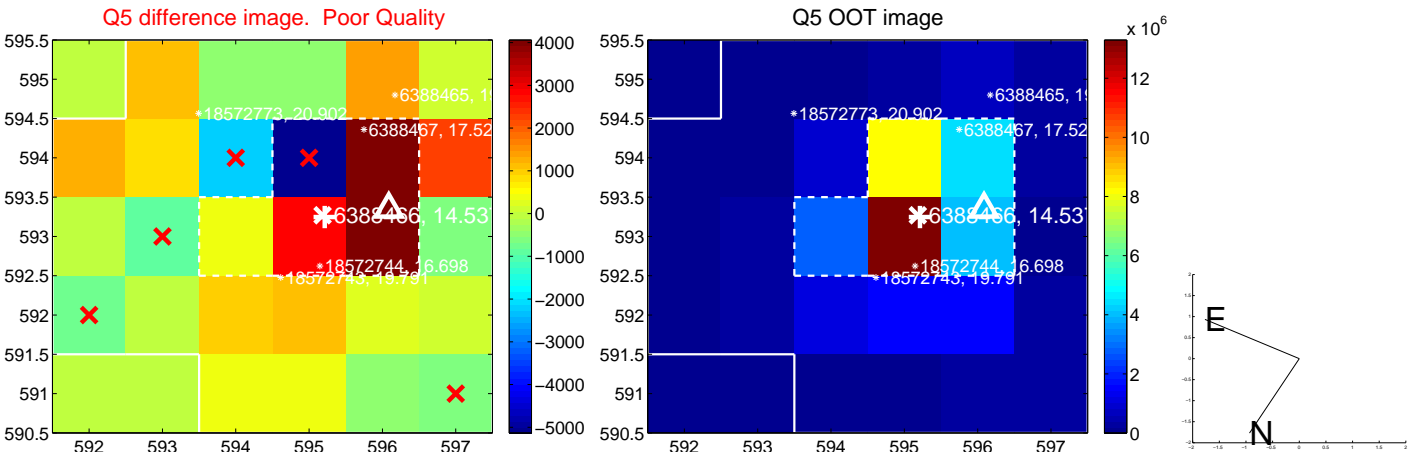


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

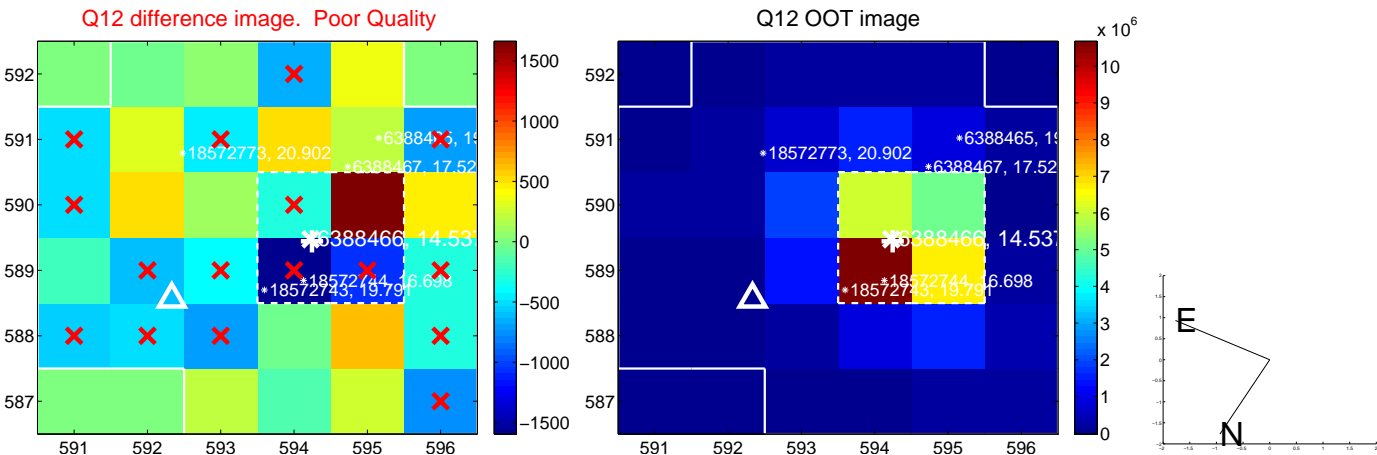
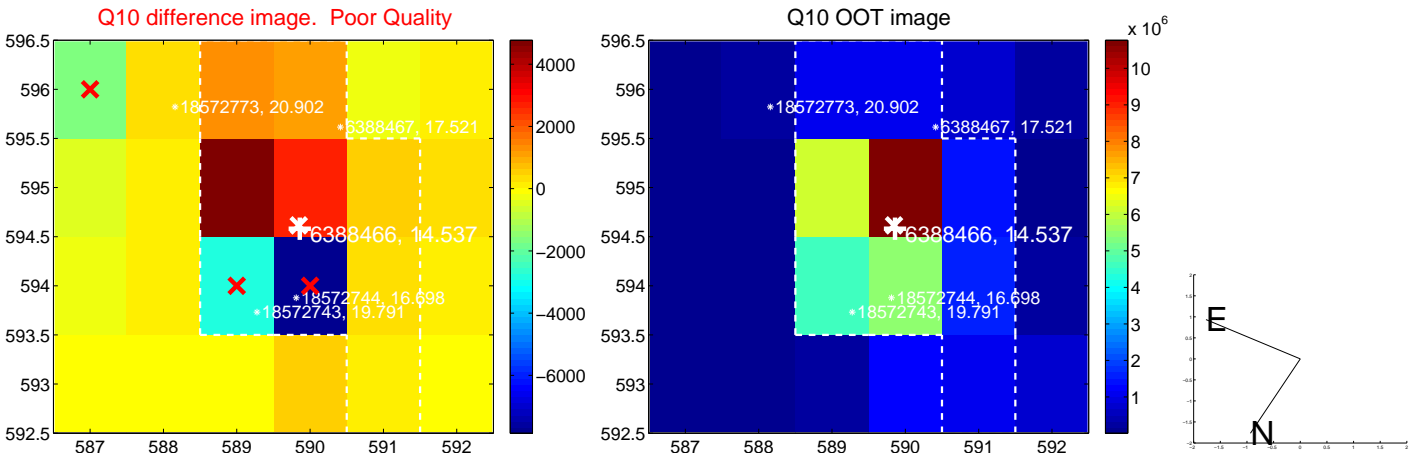
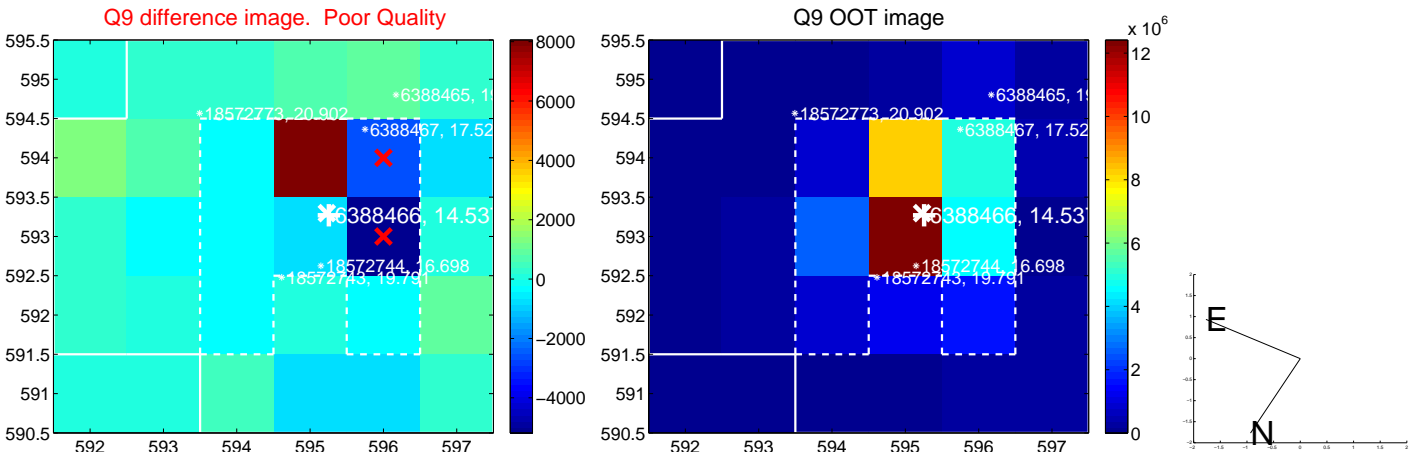
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



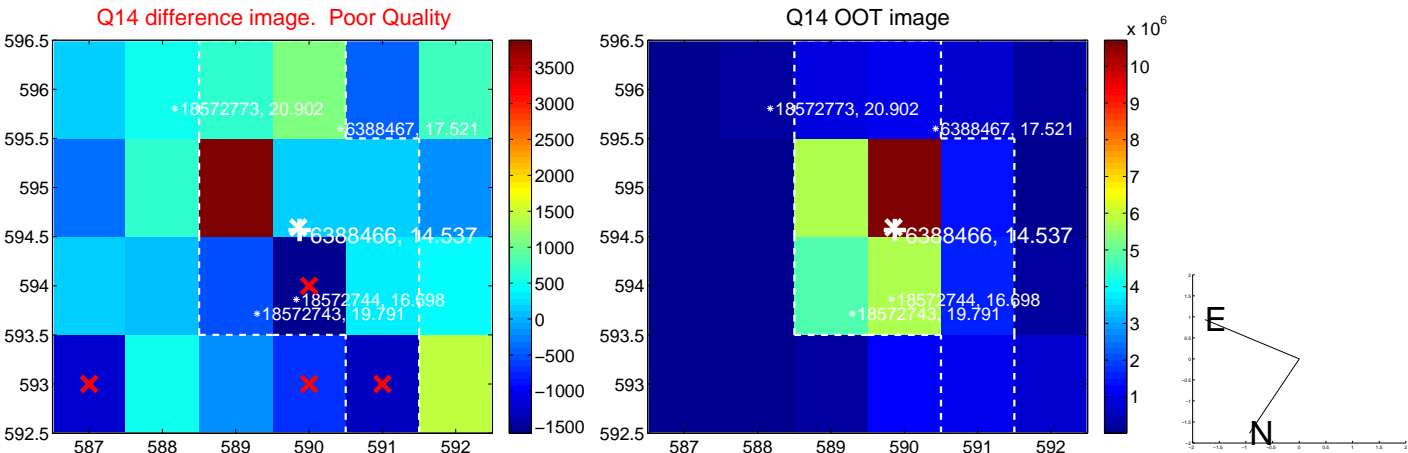
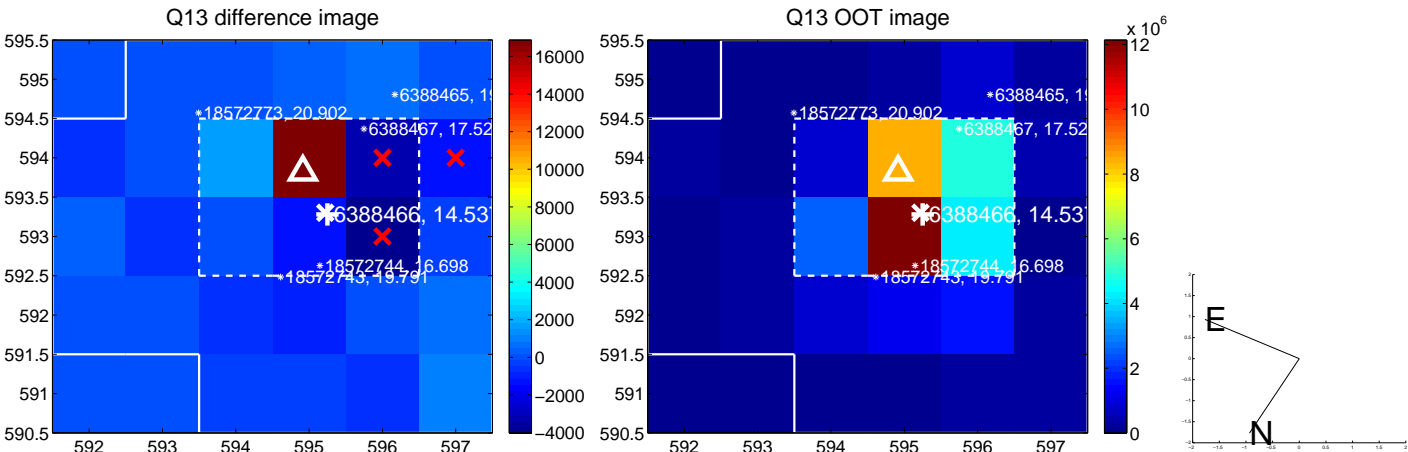
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



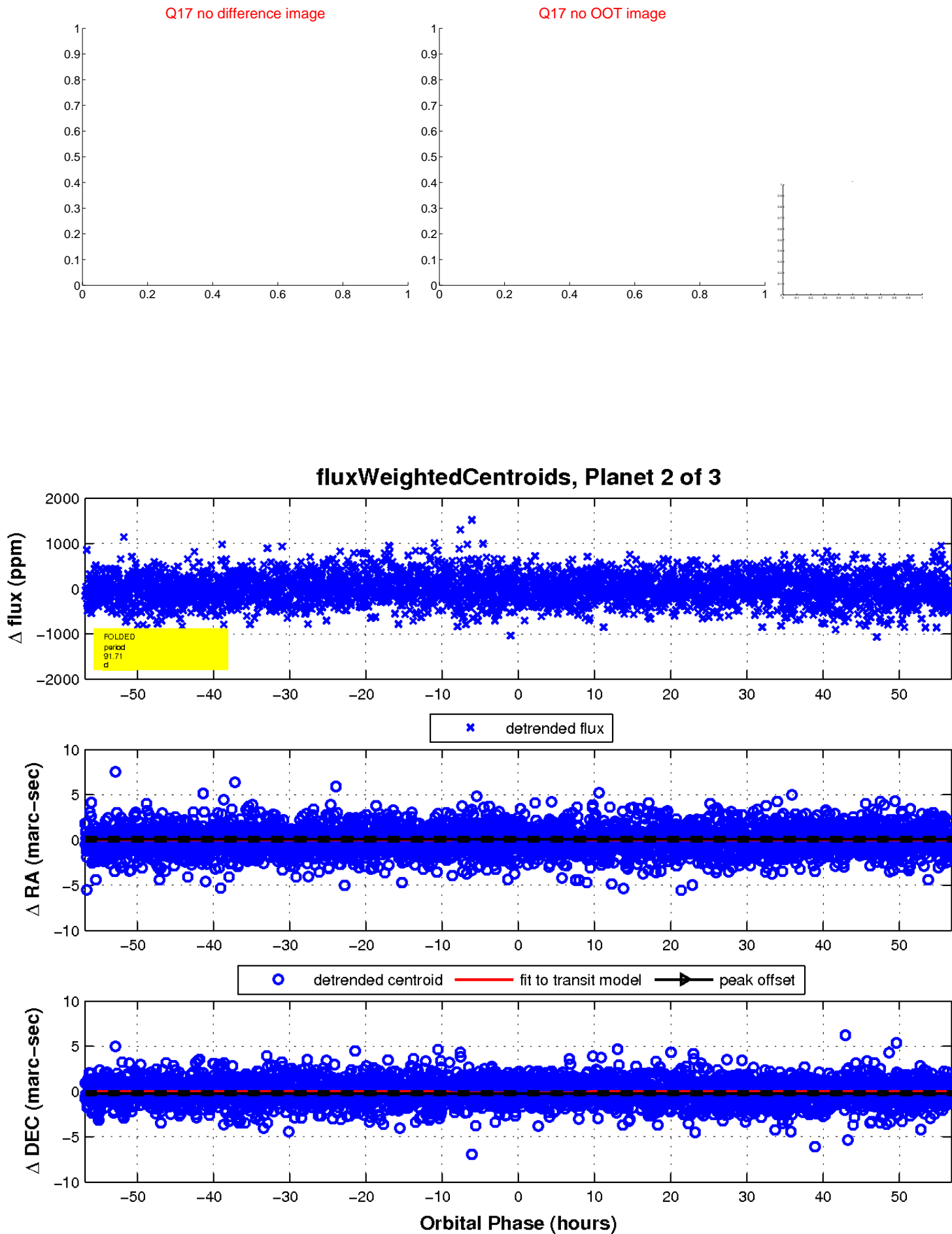
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

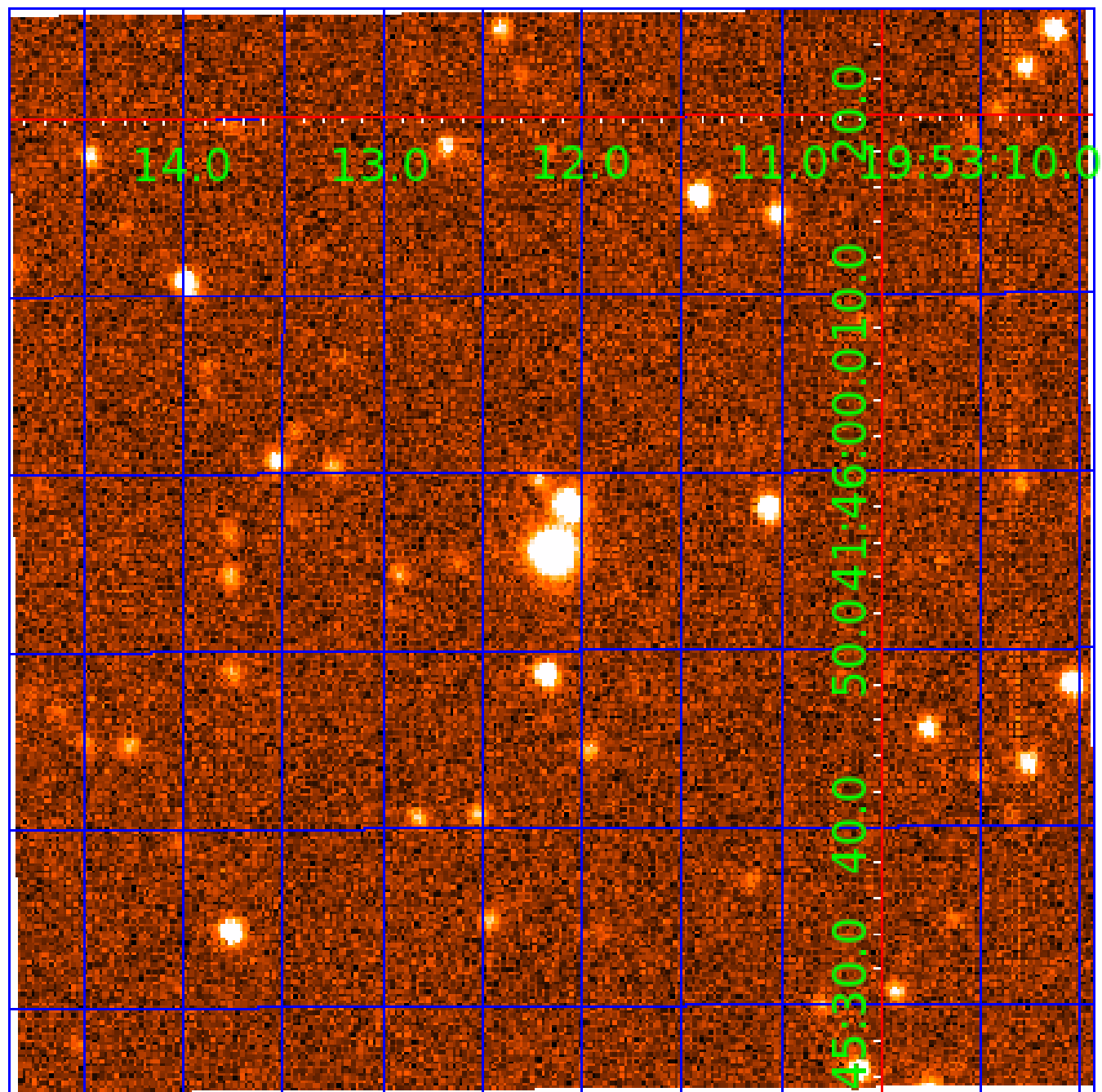


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006388466

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})
006388466-01	OBS	No	2.537974	133.444684	52.7	16.772	11.8	12.3	1.07	5988	1.51	998.23
006388466-02	OBS	No	91.707928	214.718948	265.4	18.957	11.3	7.4	1.07	5988	1.81	8.36
006388466-03	OBS	No	93.549642	168.892326	502.4	1.946	8.3	8.2	1.07	5988	2.78	8.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006388466-01	OBS	FP	0.00	1	0	0	0	LPP_DV
006388466-02	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—INCONSISTENT_TRANS—CENT_FEW_DIFFS—HALO_GHOST
006388466-03	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE_CHASES—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_FEW_DIFFS—HALO_GHOST

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

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

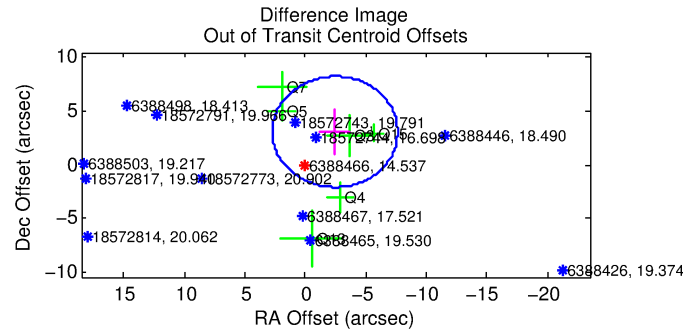
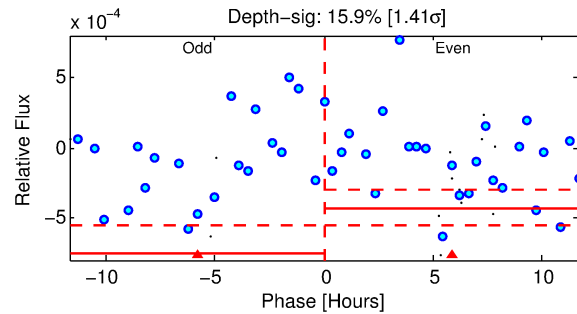
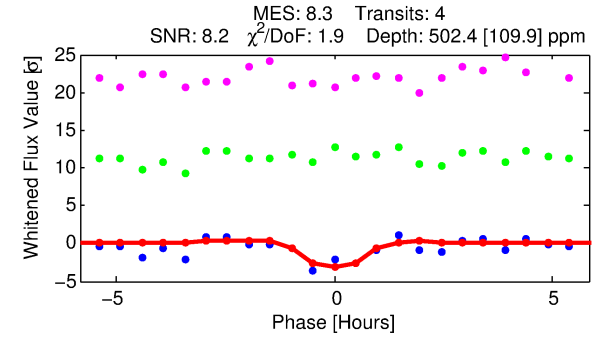
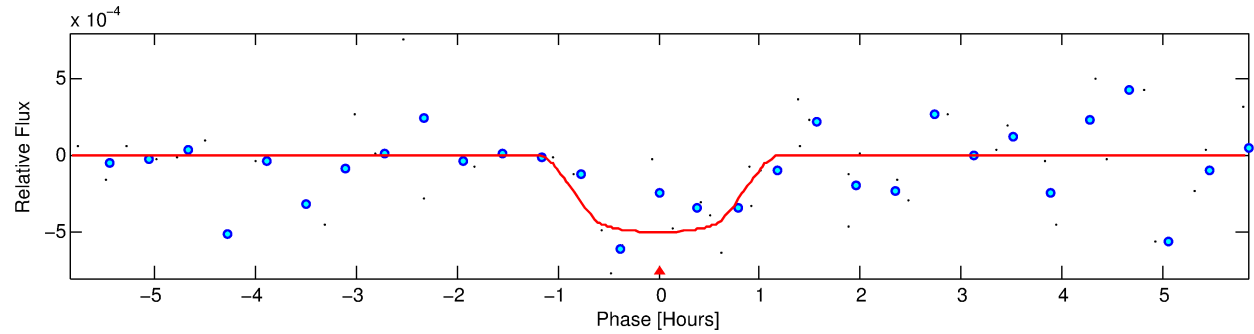
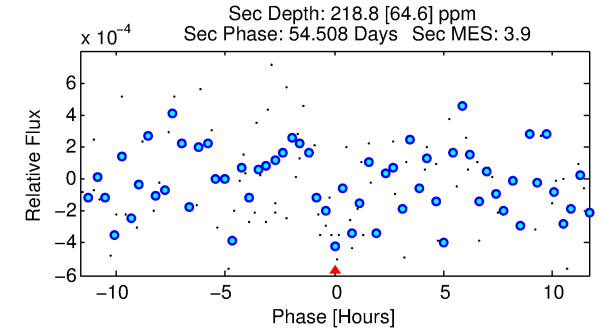
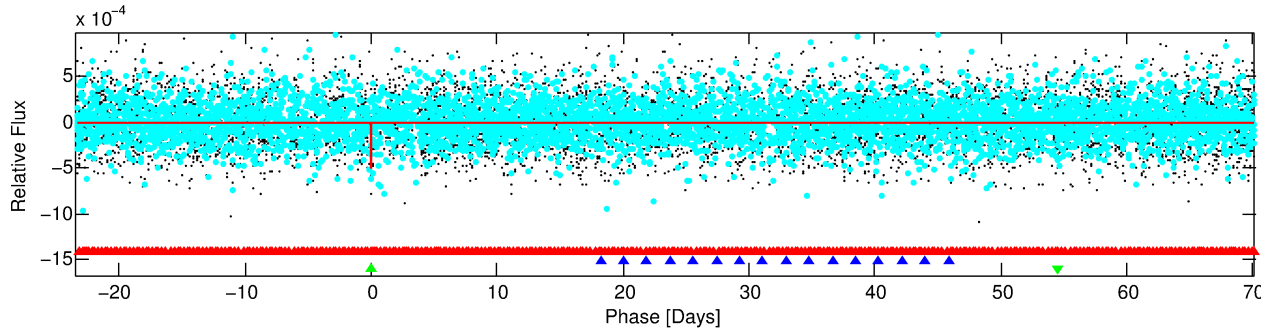
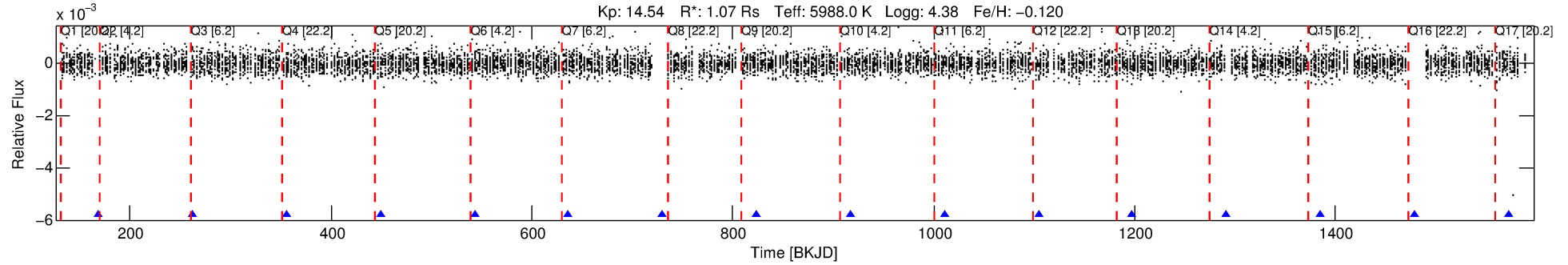
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006388466-03

No Significant Match Found

DV One-Page Summary

KIC: 6388466 Candidate: 3 of 3 Period: 93.550 d



DV Fit Results:

Period = 93.54964 [0.00155] d
Epoch = 168.8923 [0.0128] BKJD
Rp/R* = 0.0238 [0.0363]
a/R* = 196.23 [1495.48]
b = 0.87 [2.10]
Seff = 8.14 [3.21]
Teq = 431 [43] K
Rp = 2.78 [4.33] Re
a = 0.4030 [0.1029] AU
Ag = 2531.17 [7824.72] [0.32σ]
Teffp = 4723 [3628] K [1.18σ]

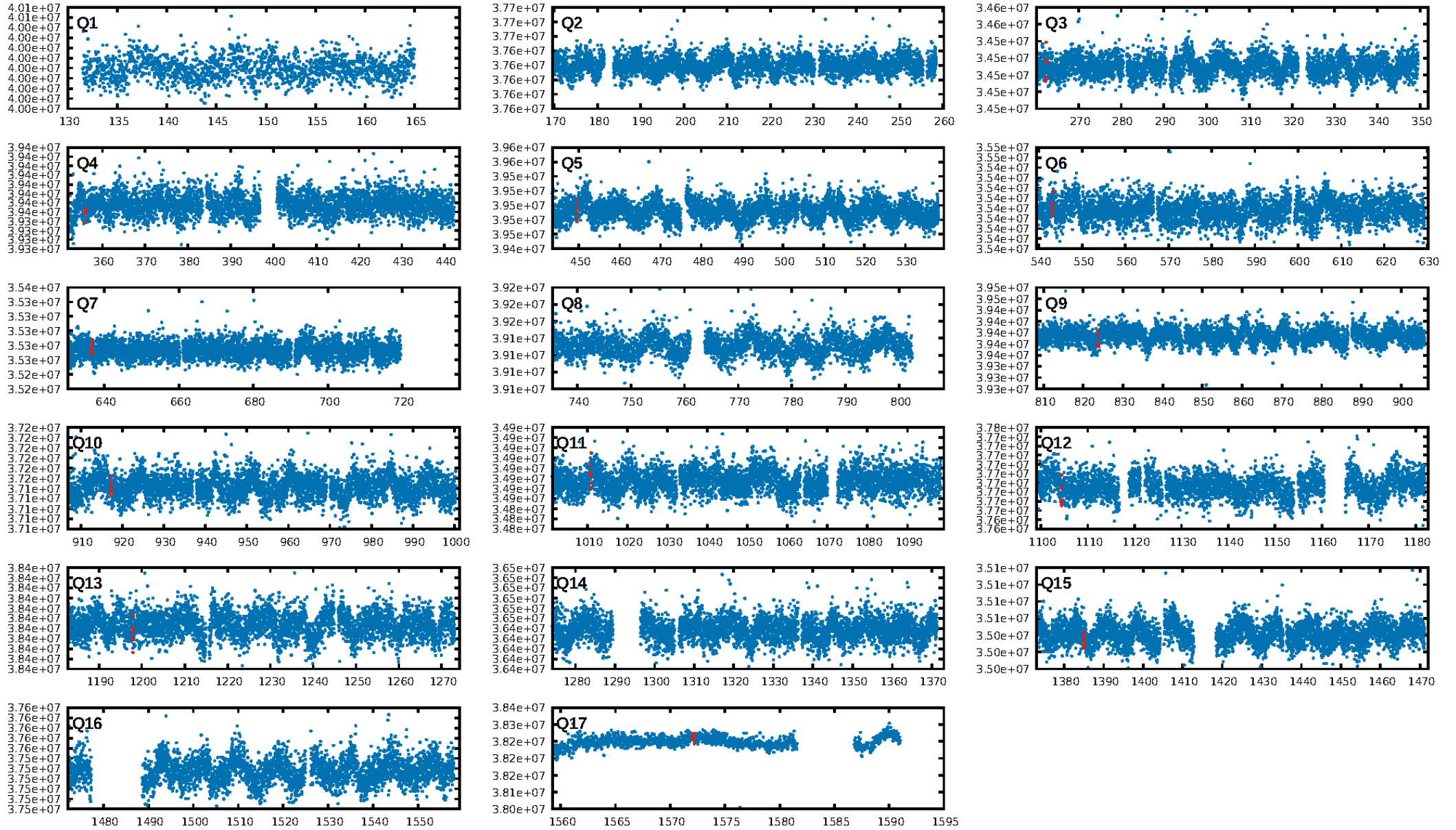
DV Diagnostic Results:

ShortPeriod-sig: 98.0% [2.32σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 47.9%
ModelChiSquareGof-sig: 96.0%
Bootstrap-pfa: 1.75e-08
RollingBand-fgt: 1.00 [4/4]
GhostDiagnostic-chr: 0.1744
Centroid-sig: 10.9%
Centroid-so: 2.281 arcsec [1.53σ]
OotOffset-rm: 3.926 arcsec [2.28σ]
KicOffset-rm: 4.113 arcsec [2.47σ]
OotOffset-st: 0/3/1/2 [6]
KicOffset-st: 0/3/1/2 [6]
DiffImageQuality-fgm: 0.00 [0/6]
DiffImageOverlap-fno: 0.55 [6/11]

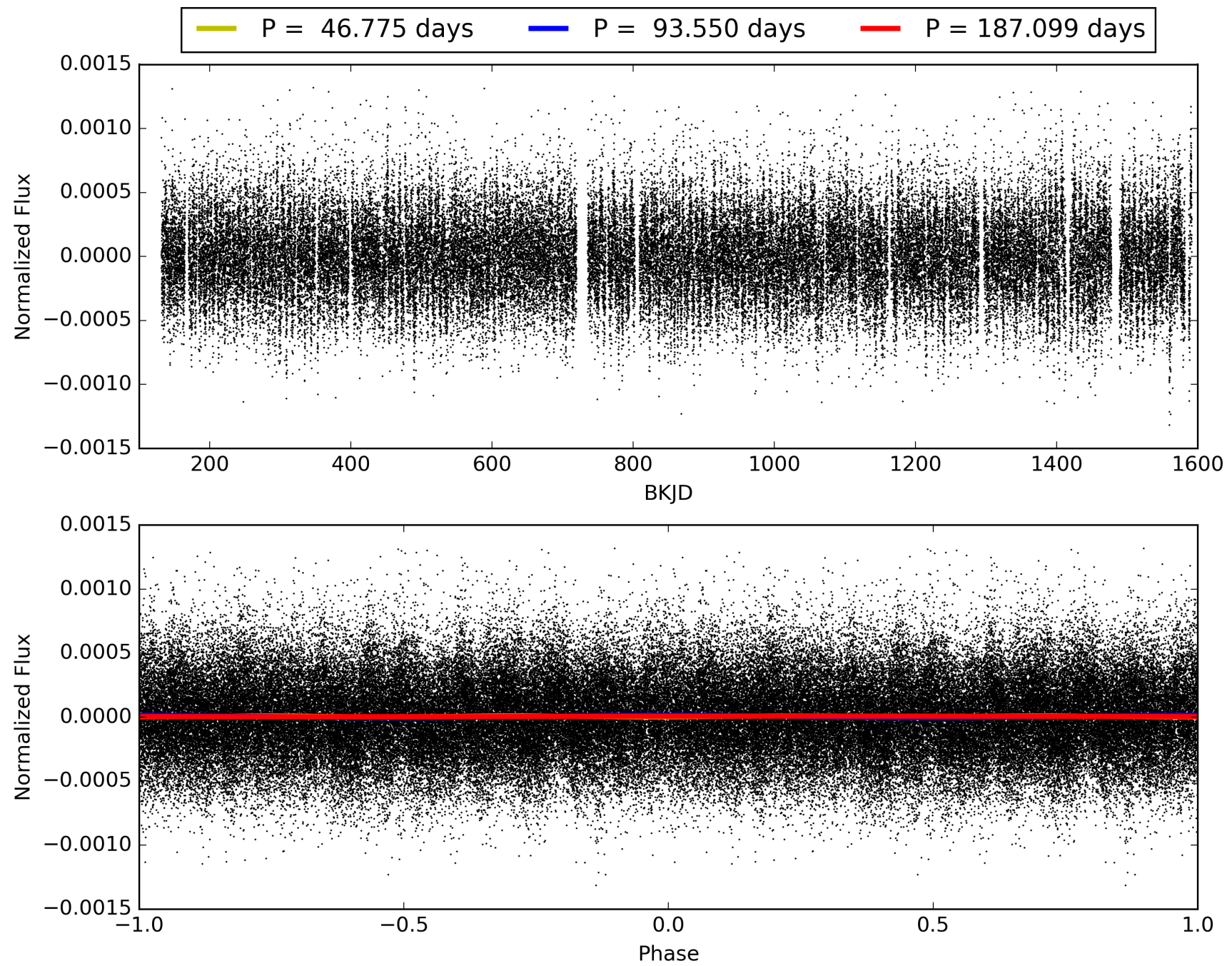
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 09:29:58 Z

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

TCE 006388466-03, PDC Light Curves

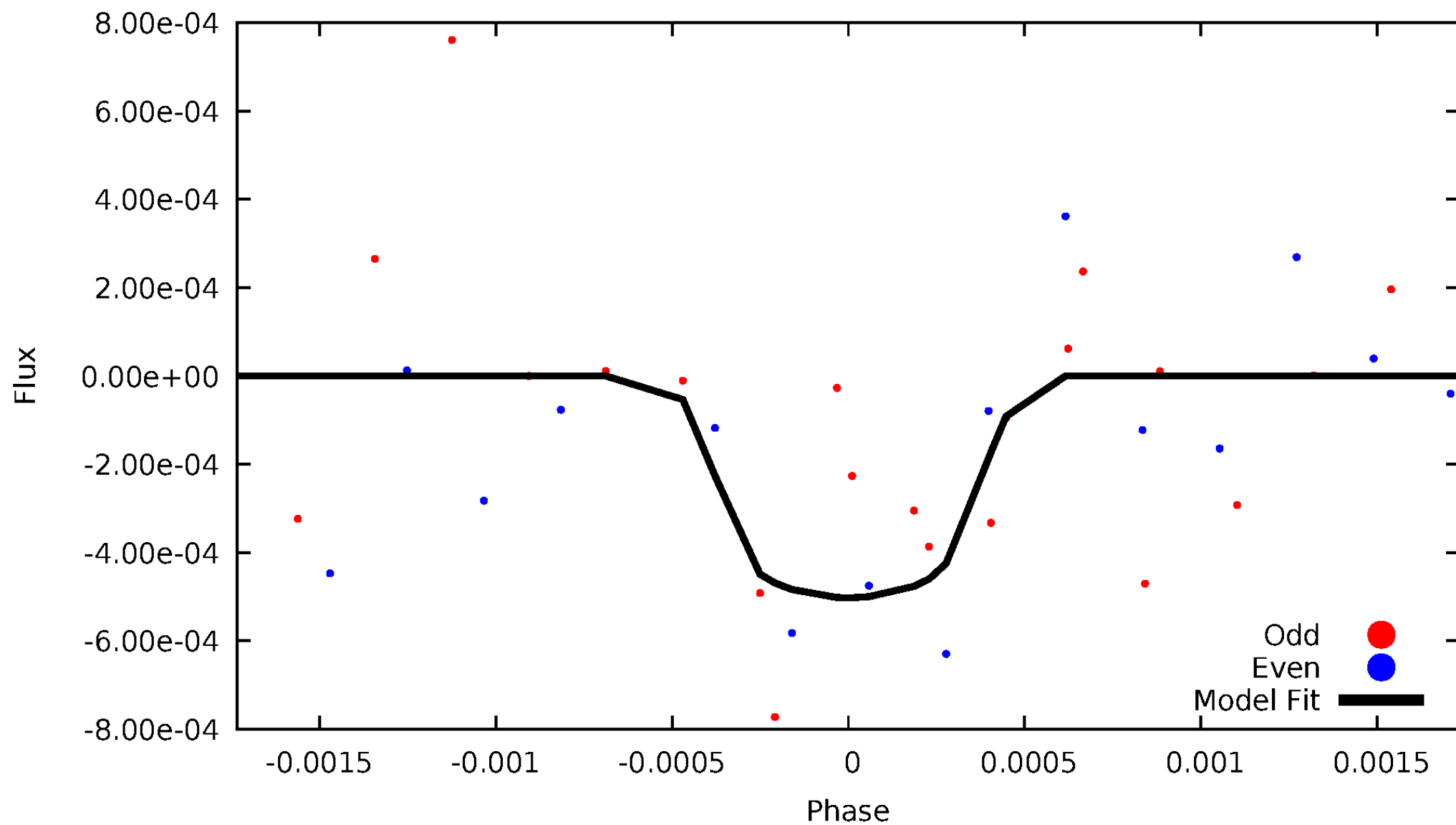


TCE 006388466-03



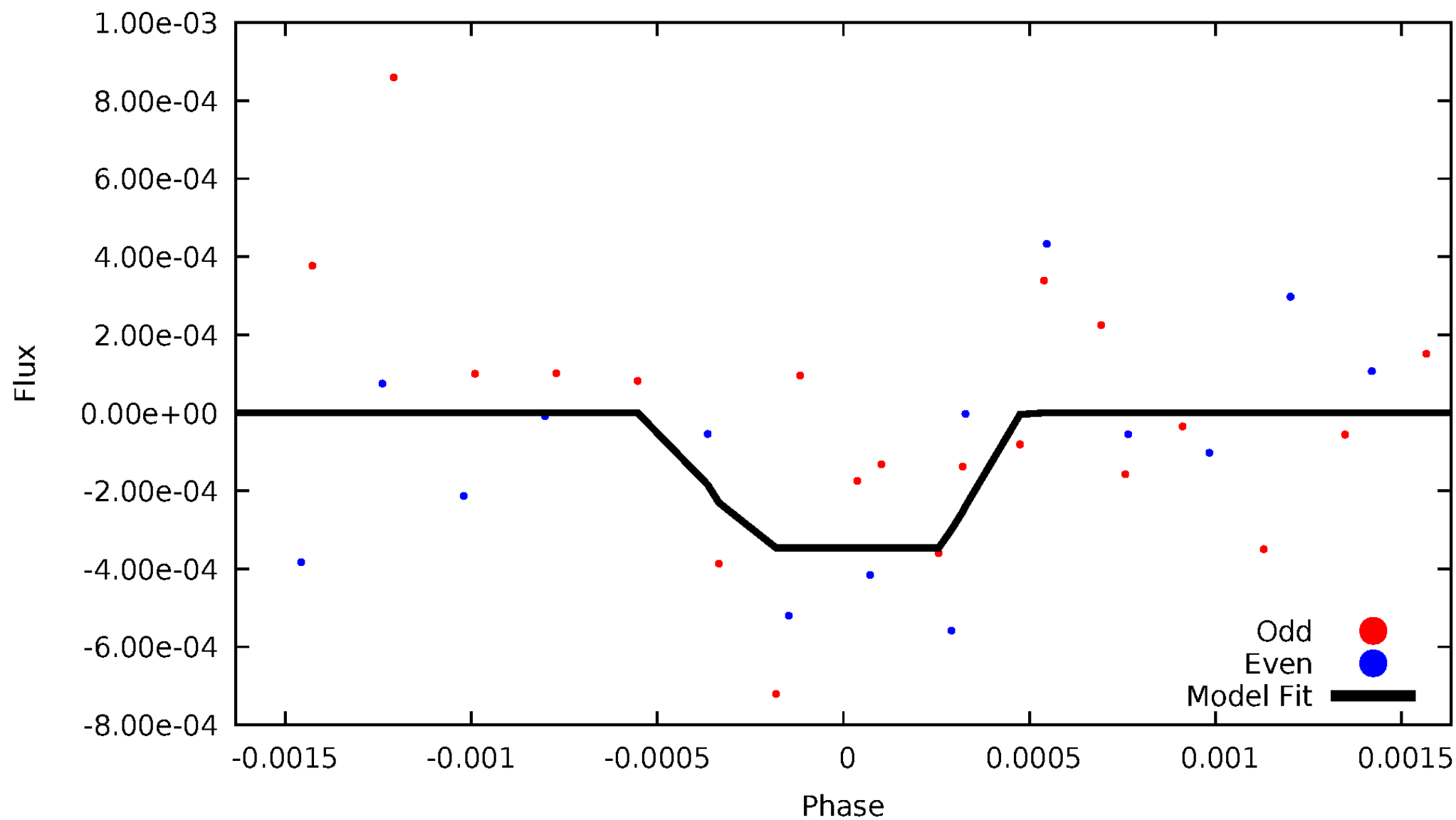
DV Odd/Even

TCE 006388466-03



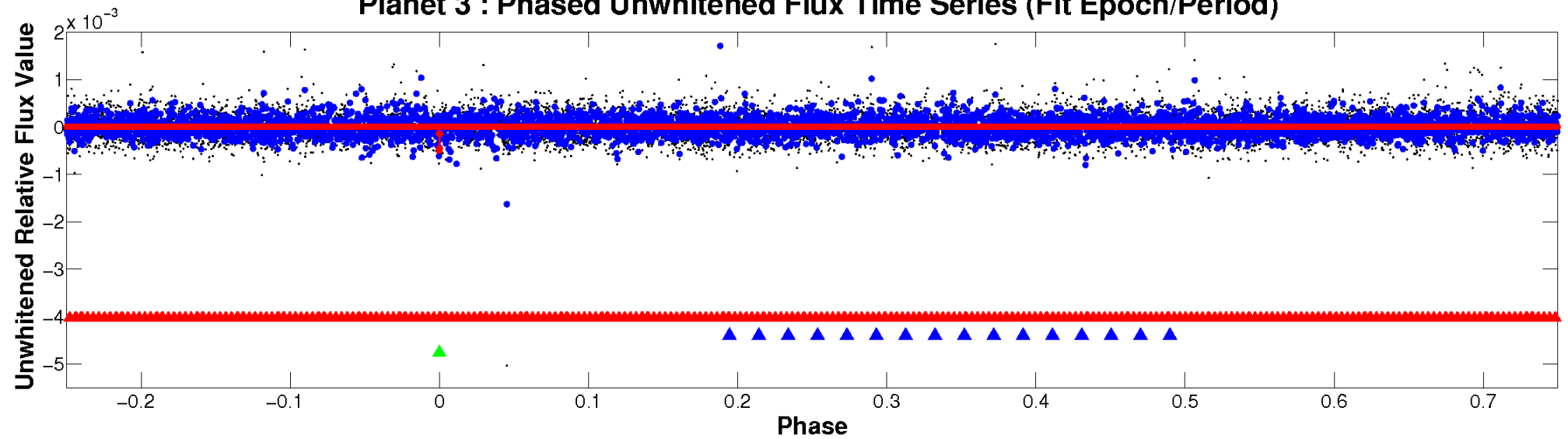
ALT Odd/Even

TCE 006388466-03

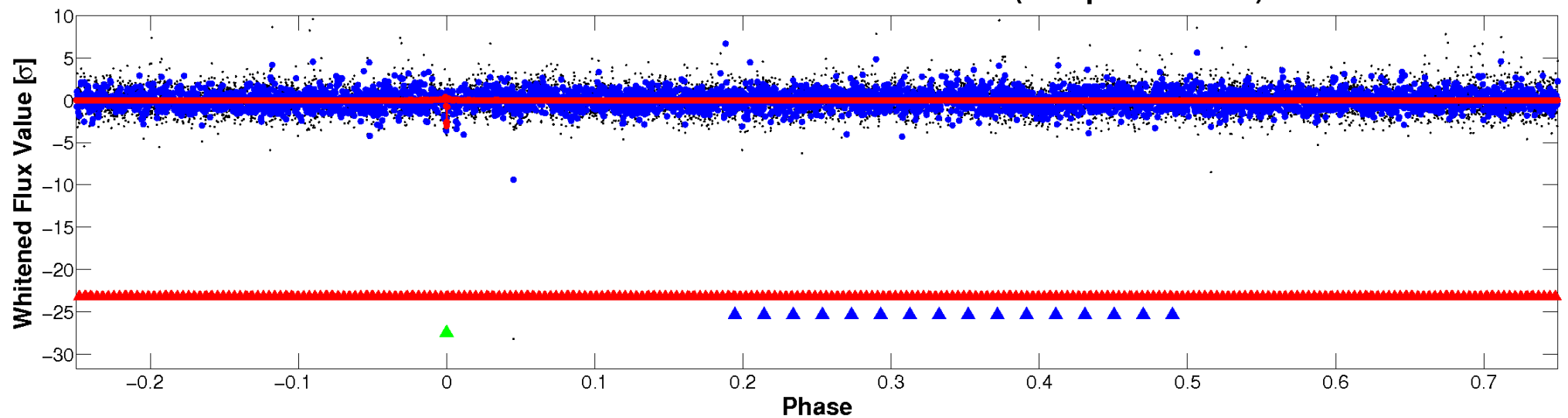


Non-Whitened Vs. Whitened Light Curve

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

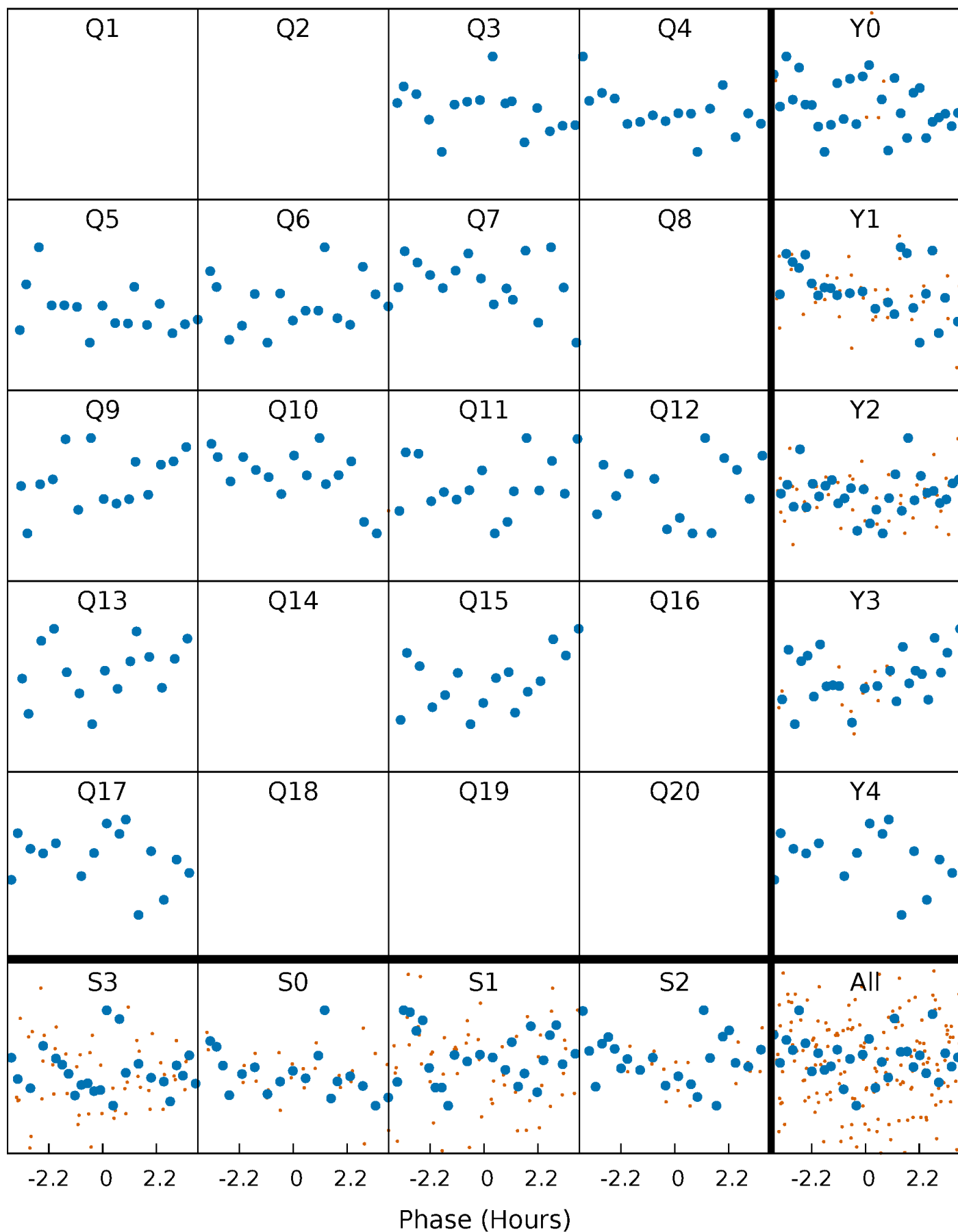


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



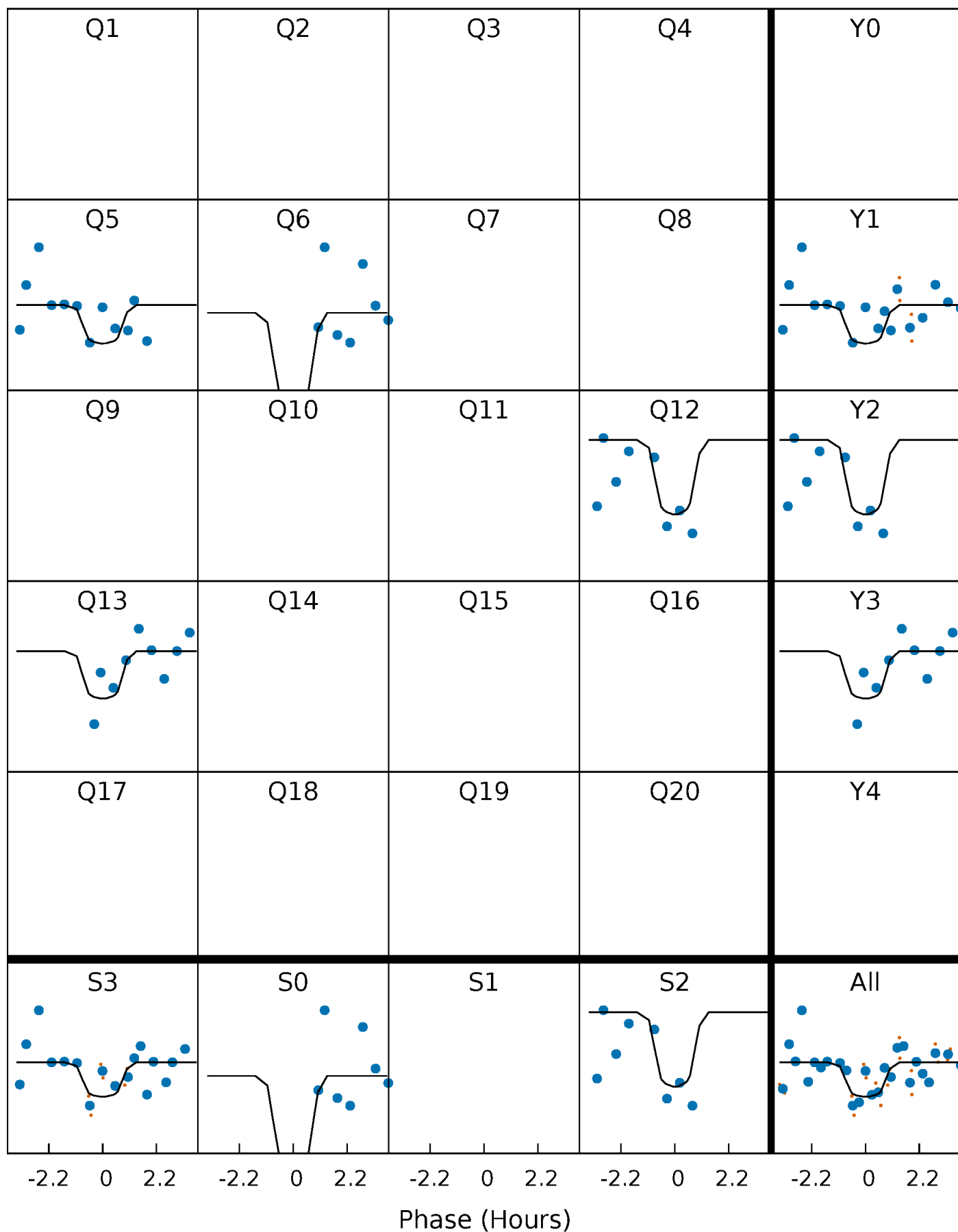
PDC Quarter-Phased Transit Curves

TCE 006388466-03 P= 93.549642 Days $T_0=168.892326$ (BKJD)



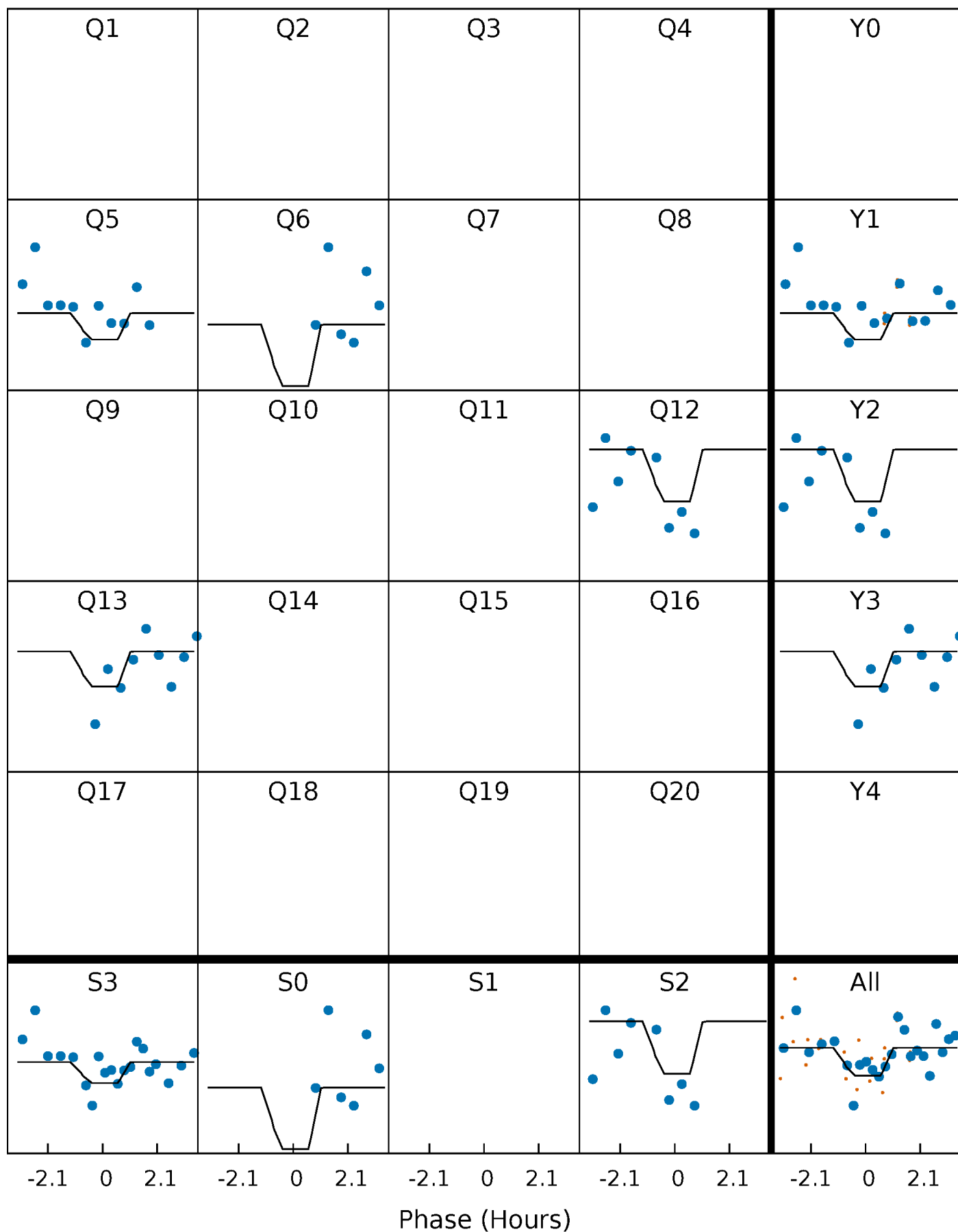
DV Quarter-Phased Transit Curves

TCE 006388466-03 P= 93.549642 Days $T_0=168.892326$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

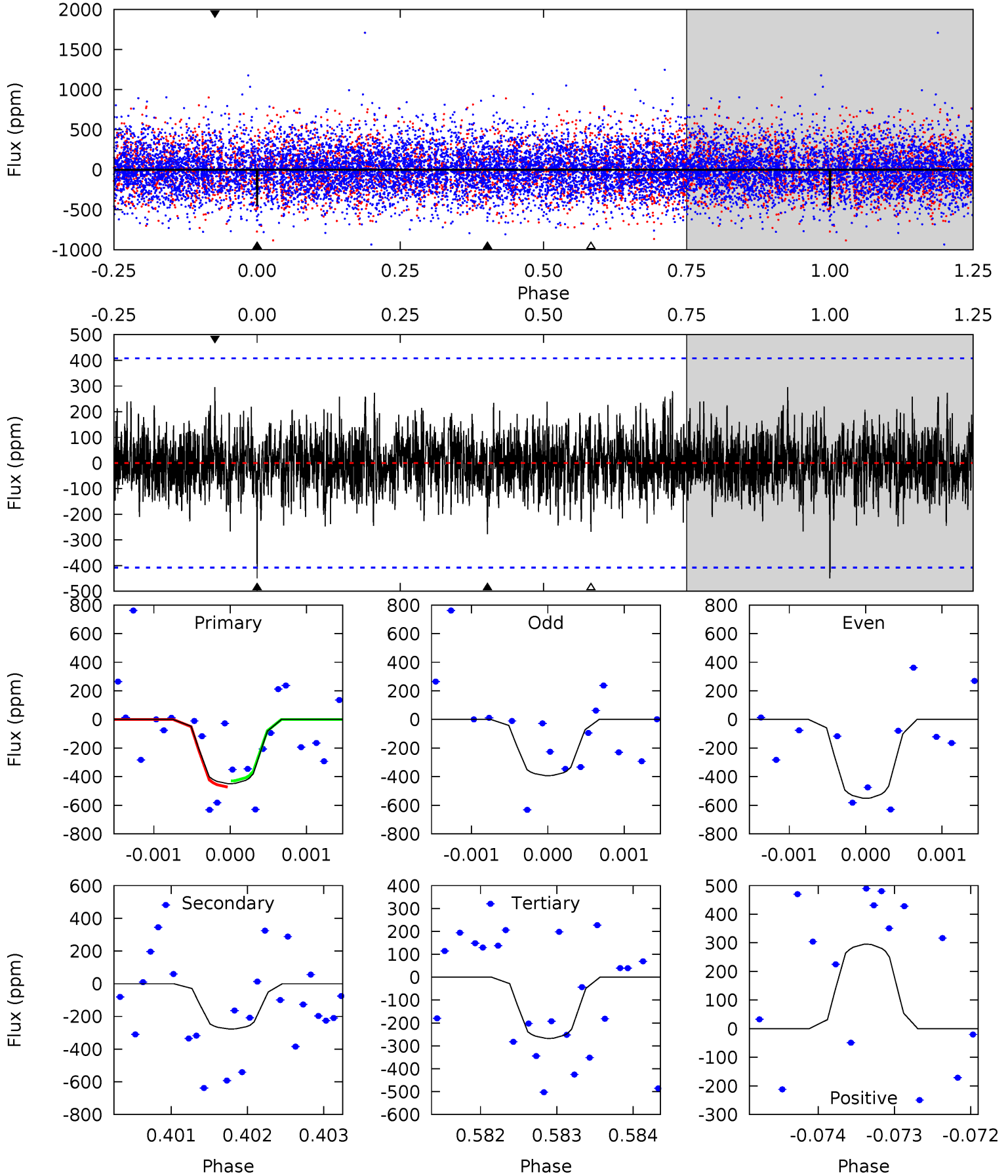
TCE 006388466-03 P= 93.548344 Days $T_0=168.904046$ (BKJD)



DV Model-Shift Uniqueness Test

006388466-03, P = 93.549642 Days, E = 75.342684 Days

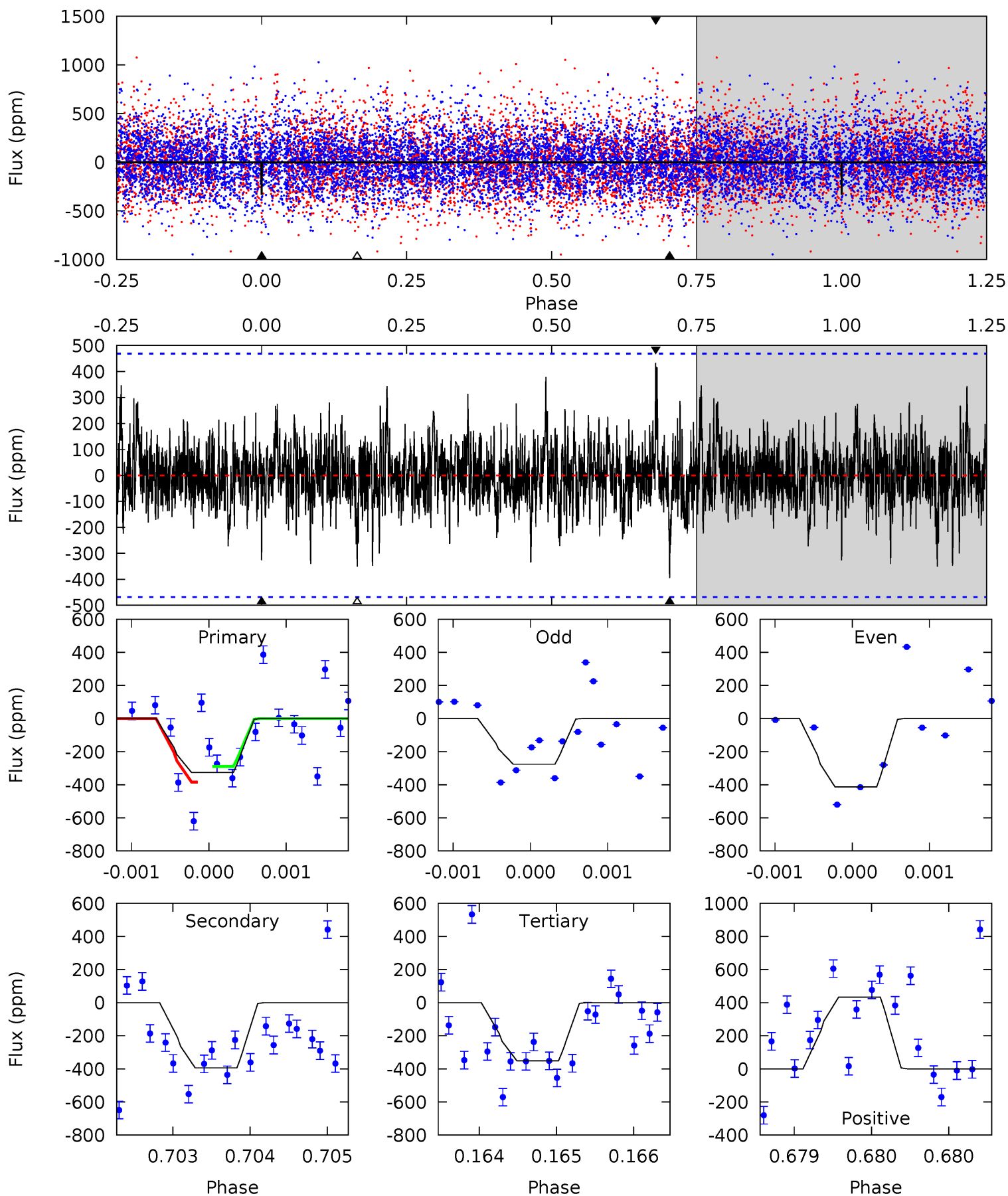
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.02	3.71	3.59	3.96	5.47	3.31	1.10	2.43	2.06	0.12	-0.25	1.05	0.94	0.40	0.28



Alt Model-Shift Uniqueness Test

006388466-03, P = 93.548344 Days, E = 75.355702 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.83	4.62	4.11	5.07	5.49	3.35	1.13	-0.28	-1.24	0.51	-0.45	0.79	0.82	0.52	0.51



Stellar Parameters For KIC 006388466

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5988^{+188}_{-208}	$4.377^{+0.108}_{-0.201}$	$-0.120^{+0.300}_{-0.300}$	$1.071^{+0.327}_{-0.176}$	$0.995^{+0.145}_{-0.119}$	$1.142^{+0.660}_{-0.563}$
	+3%/-3%	+2%/-5%	+250%/-250%	+31%/-16%	+15%/-12%	+58%/-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 006388466-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-277 ± 75	$4.20^{+3.90}_{-2.82}$	611^{+42}_{-40}	4338^{+2782}_{-886}	1341^{+11058}_{-999}
Alt.	-394 ± 85	$3.96^{+3.48}_{-2.78}$	609^{+47}_{-36}	4767^{+3893}_{-976}	2151^{+20249}_{-1536}

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

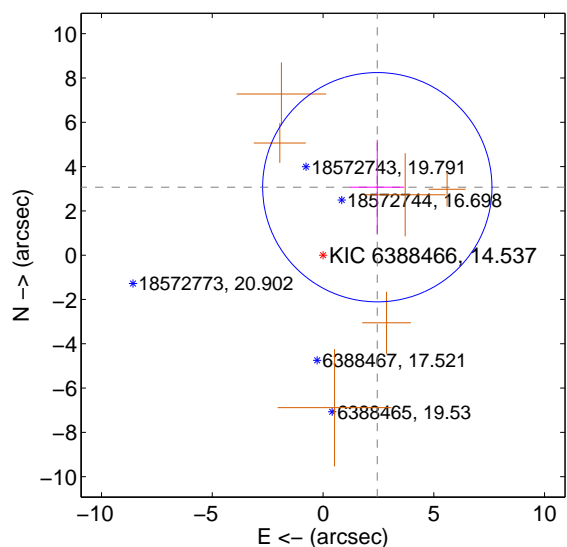
Supplemental centroid analysis for 006388466-03. Kepler magnitude: 14.54. Transit SNR 8.18

There are 0 quarters with good PRF difference image offsets

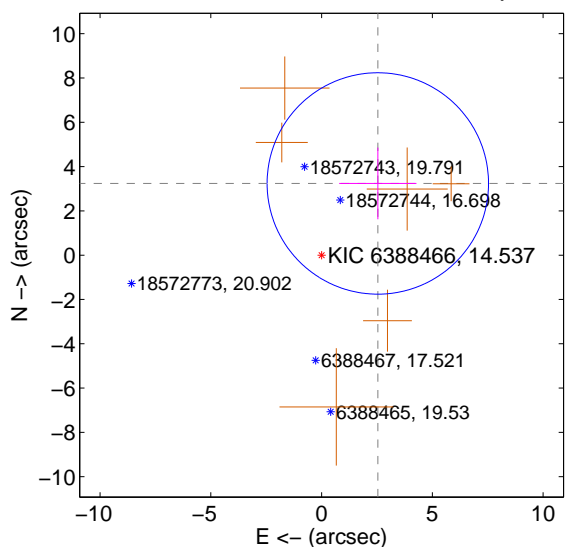
The direct PRF centroid is offset from the target star catalog position by about 0.35 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	3.926 ± 1.725	2.28	-2.449 ± 1.220	3.068 ± 2.139
PRF-fit source offset from KIC position	4.113 ± 1.666	2.47	-2.538 ± 1.742	3.237 ± 1.617
photometric centroid source offset	2.28 ± 1.49	1.53	-2.23 ± 1.50	0.46 ± 1.18

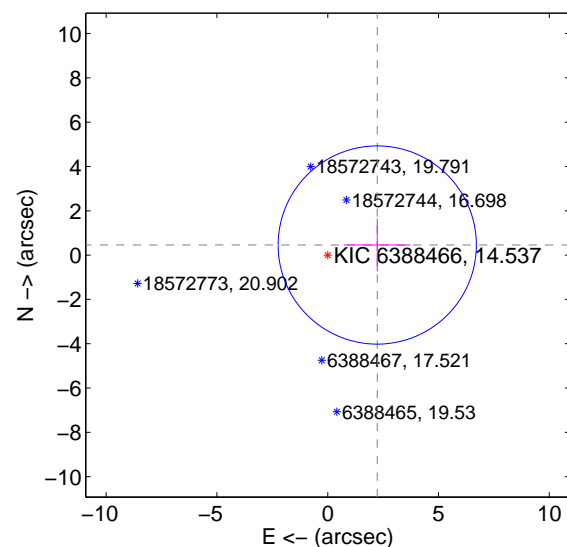
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

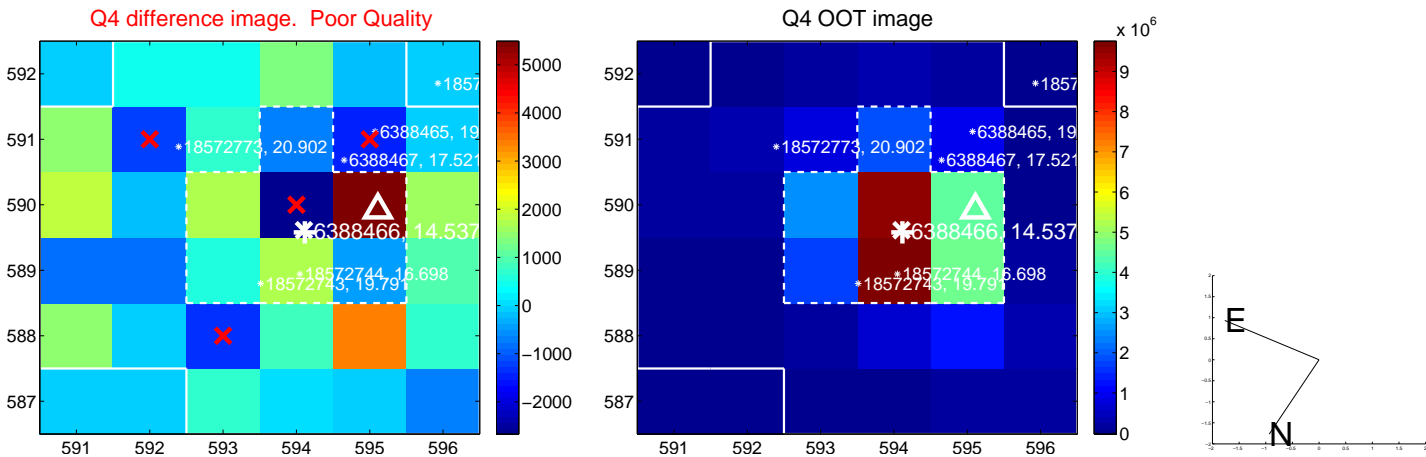
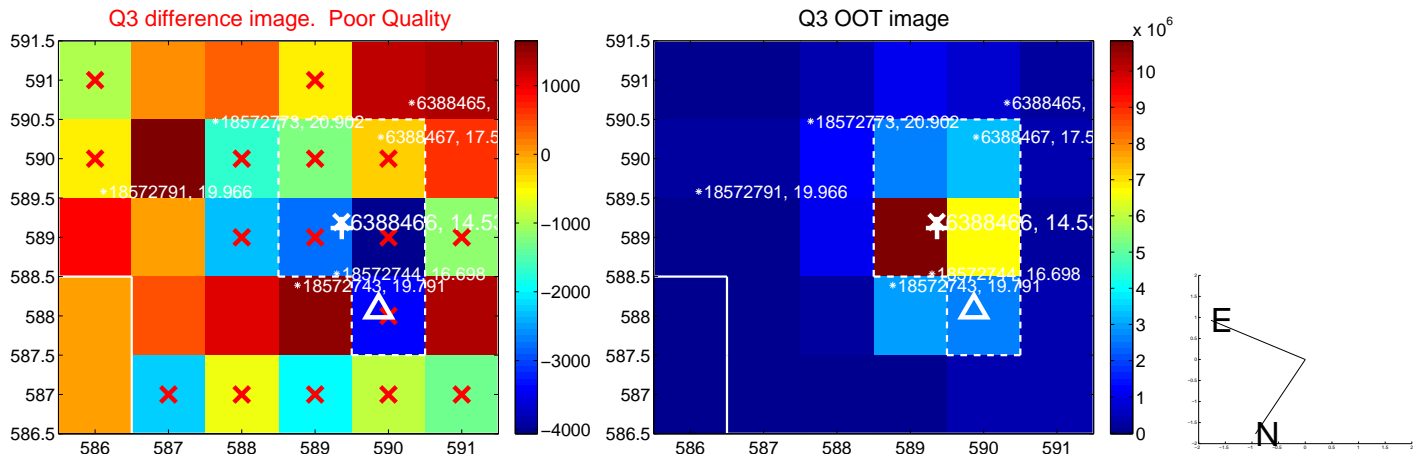
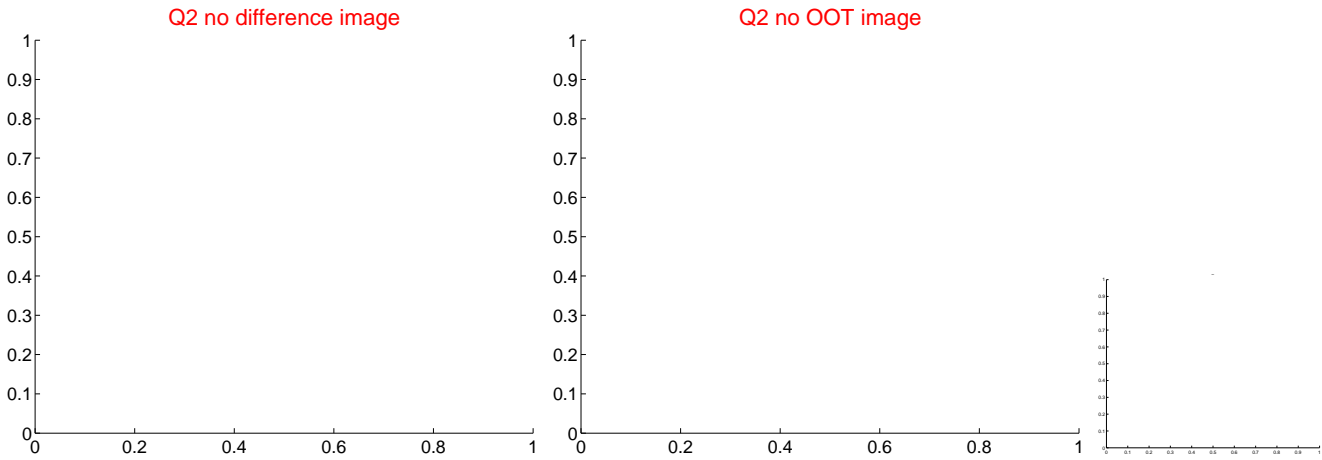
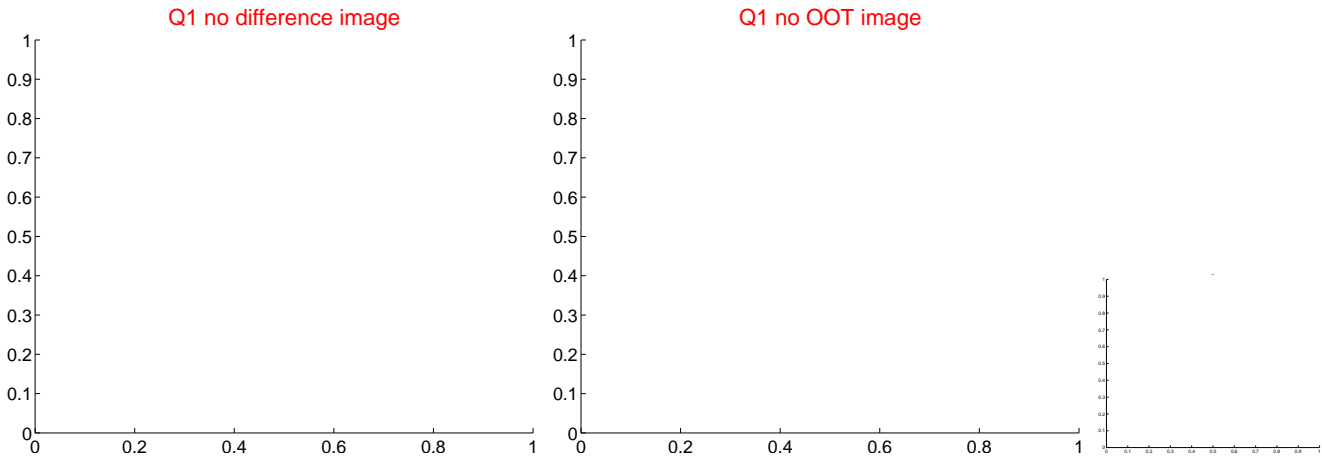


offset from photometric centroids

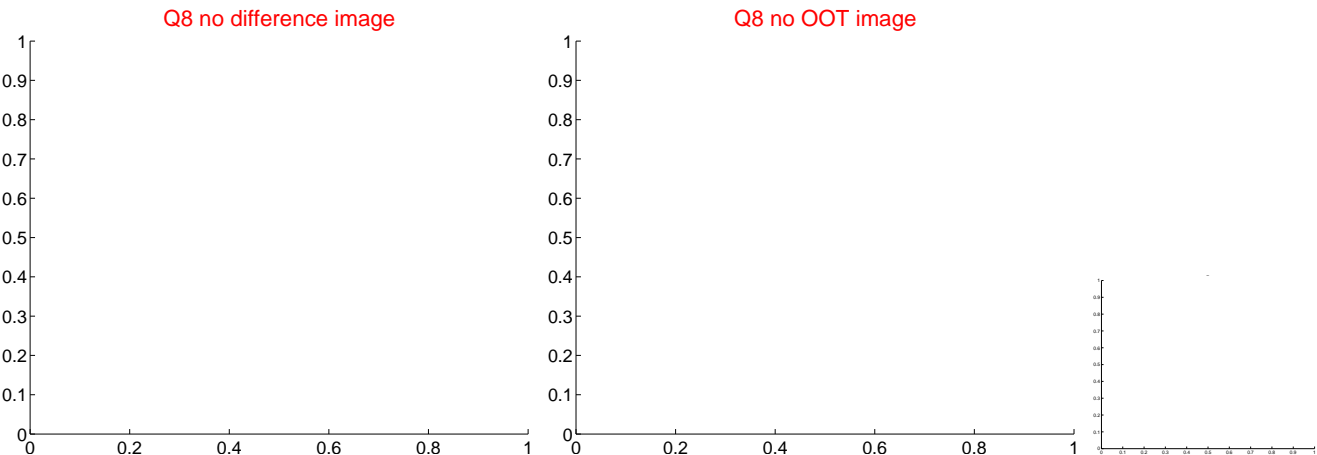
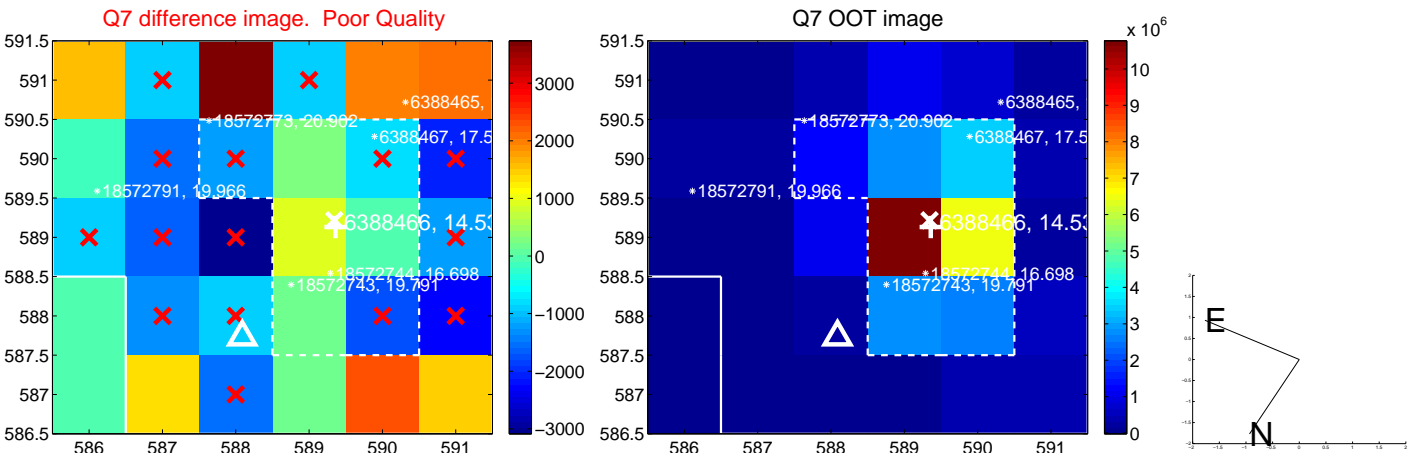
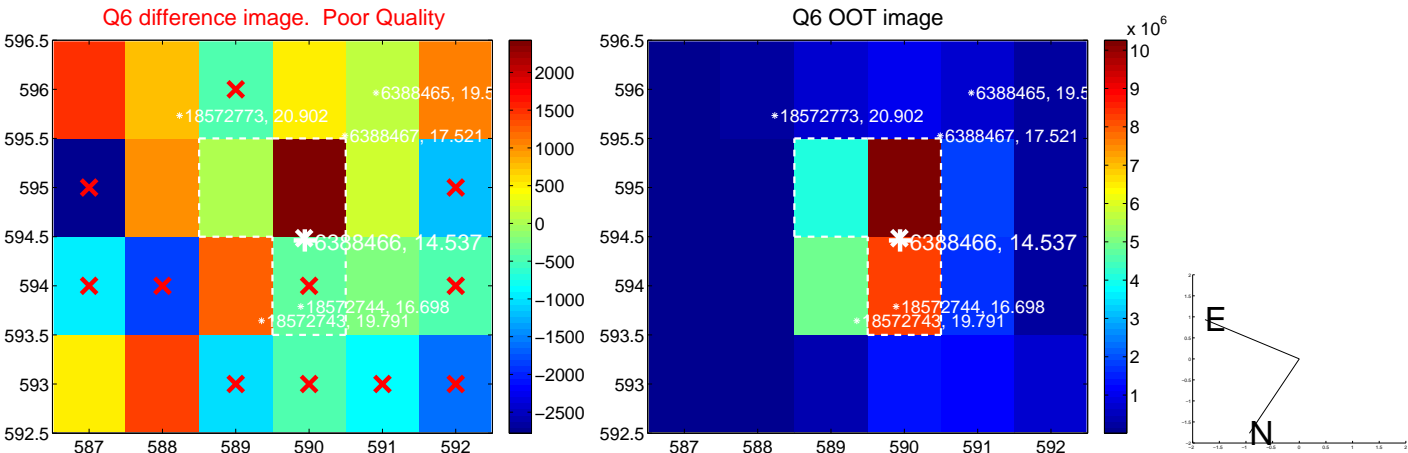
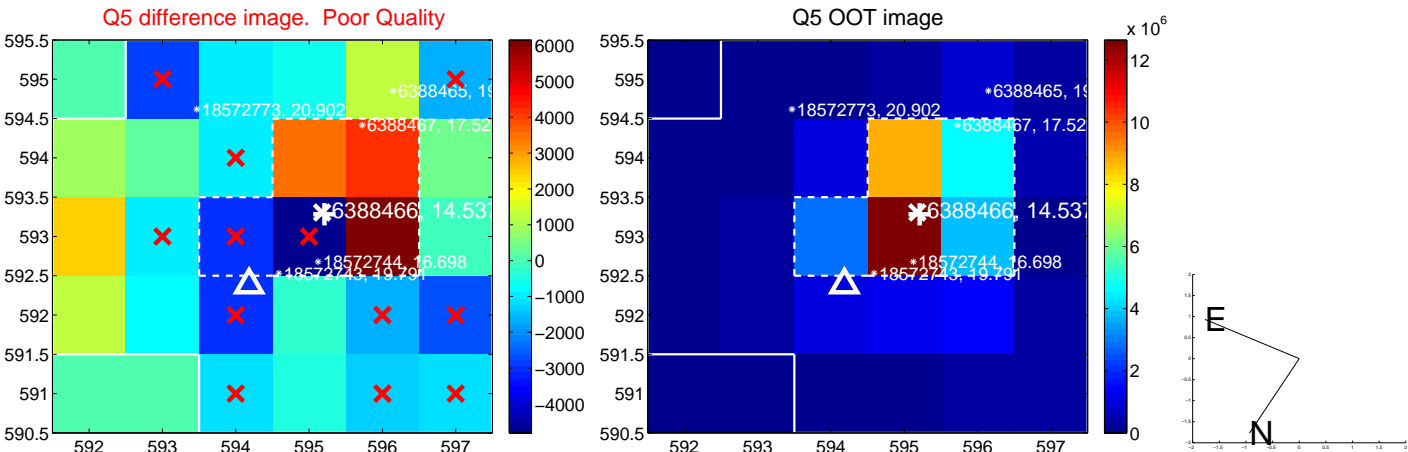


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

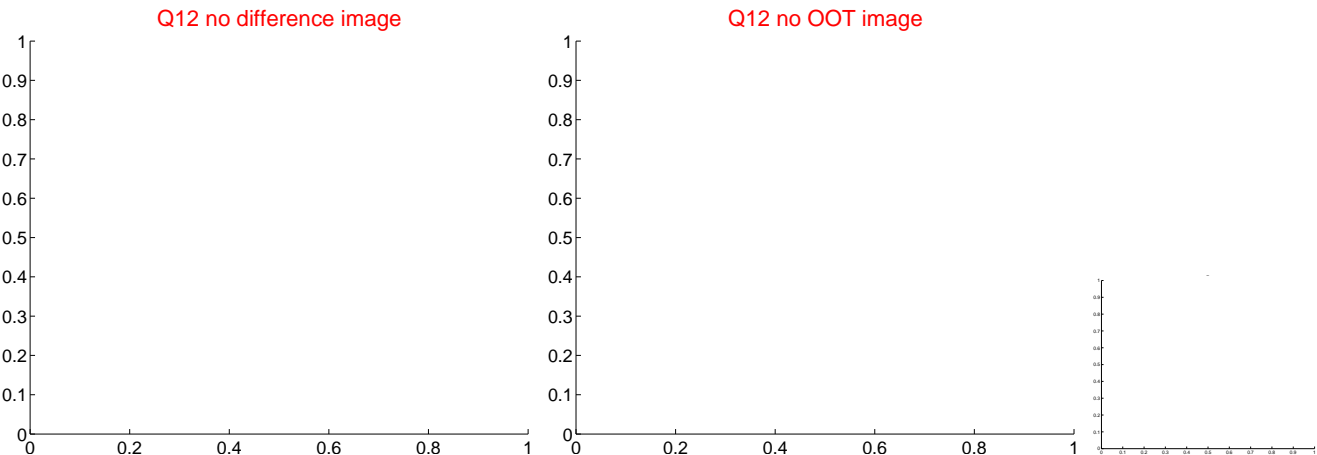
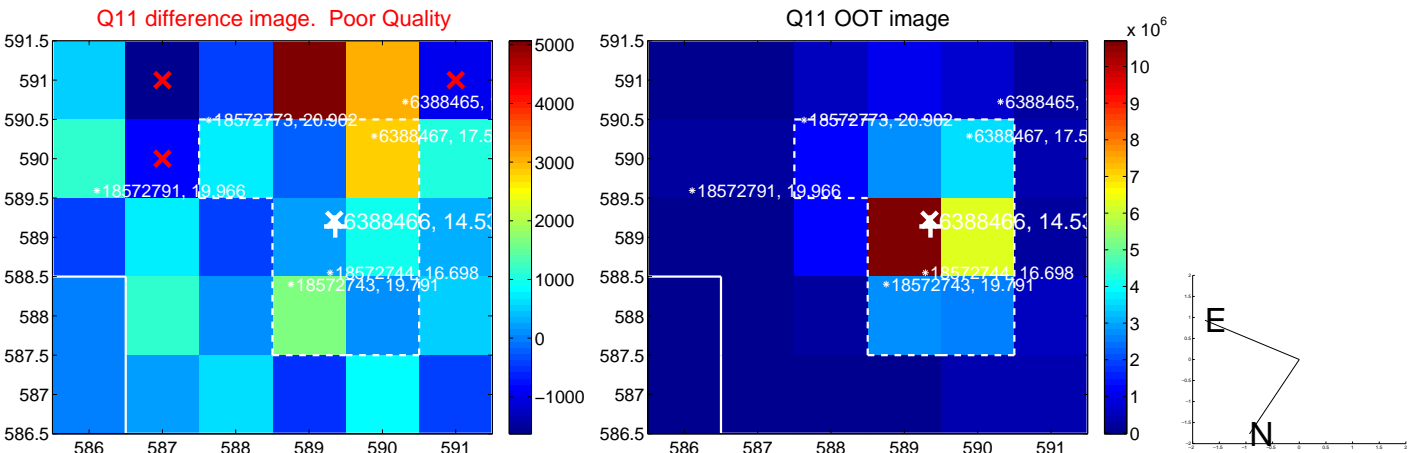
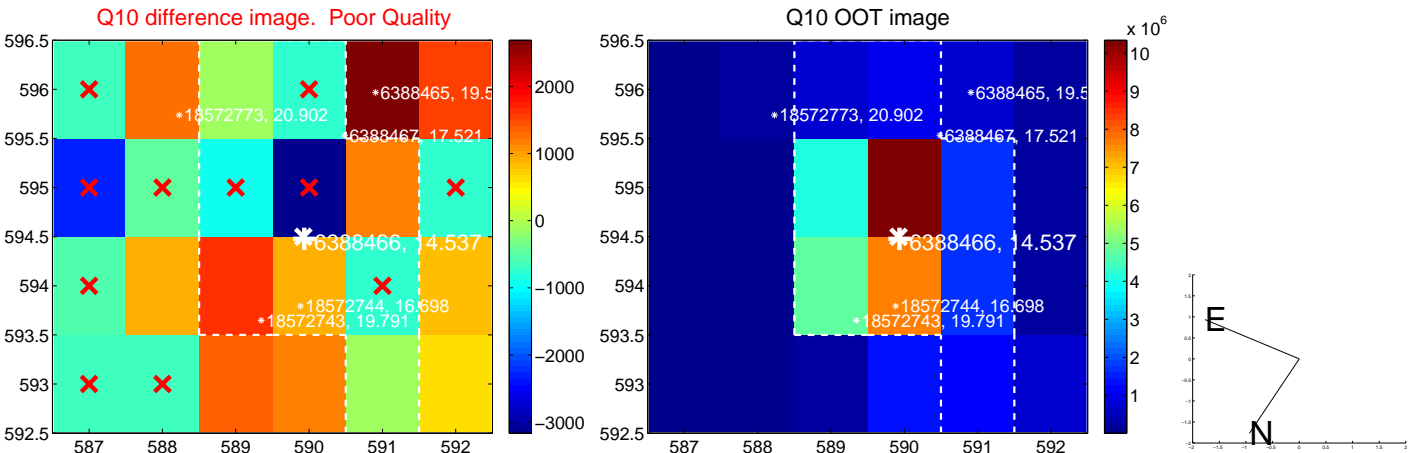
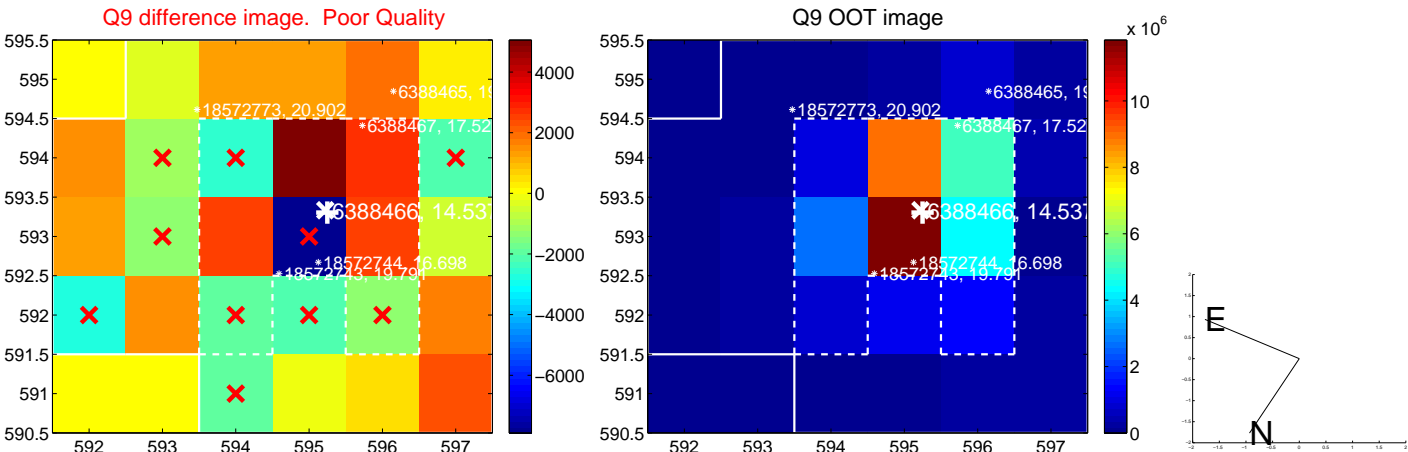
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



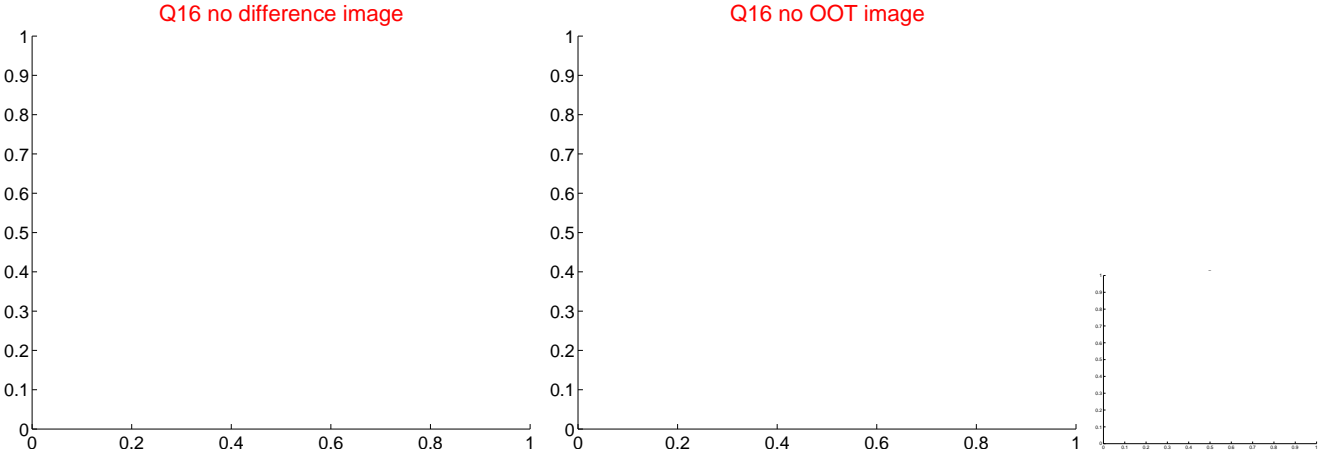
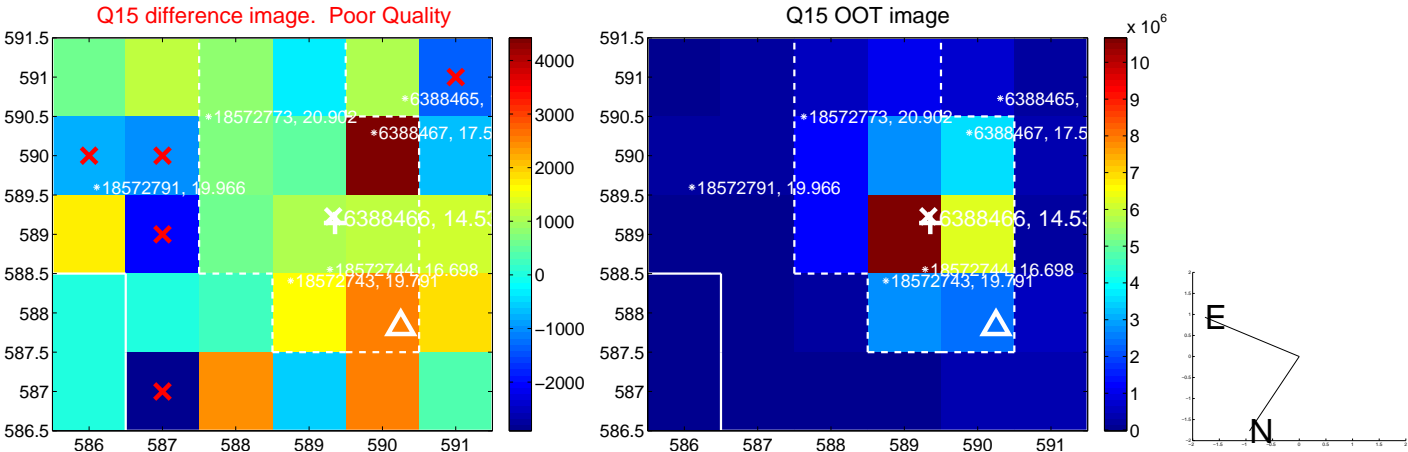
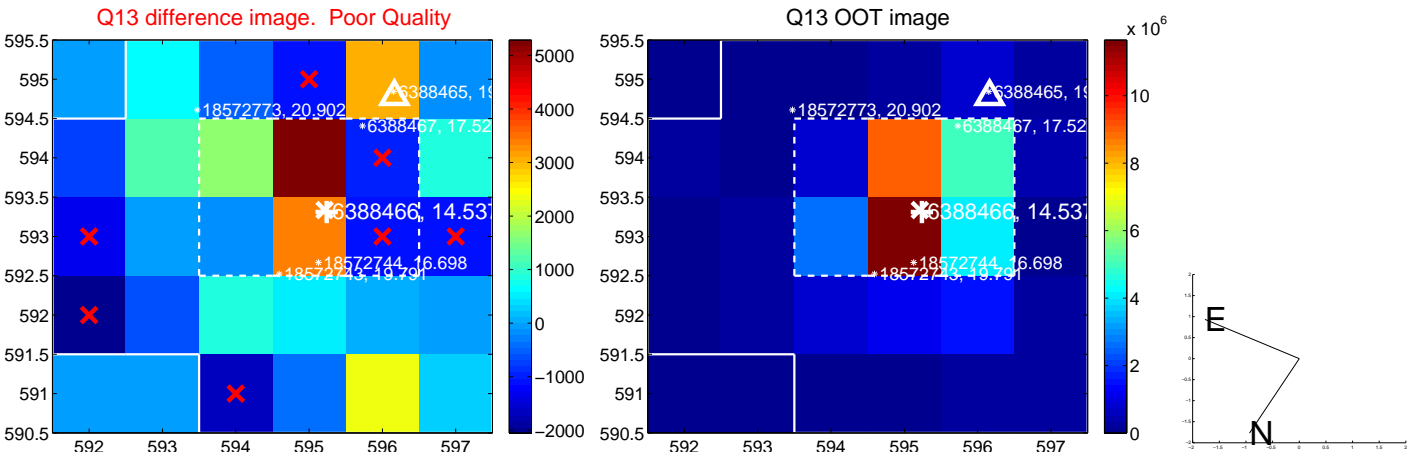
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



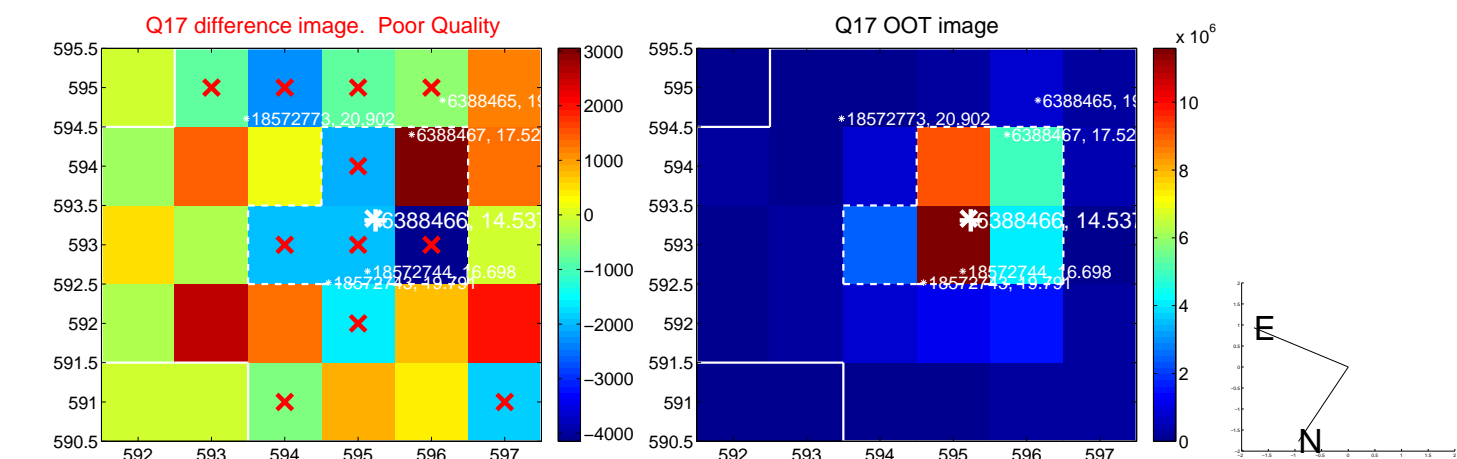
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



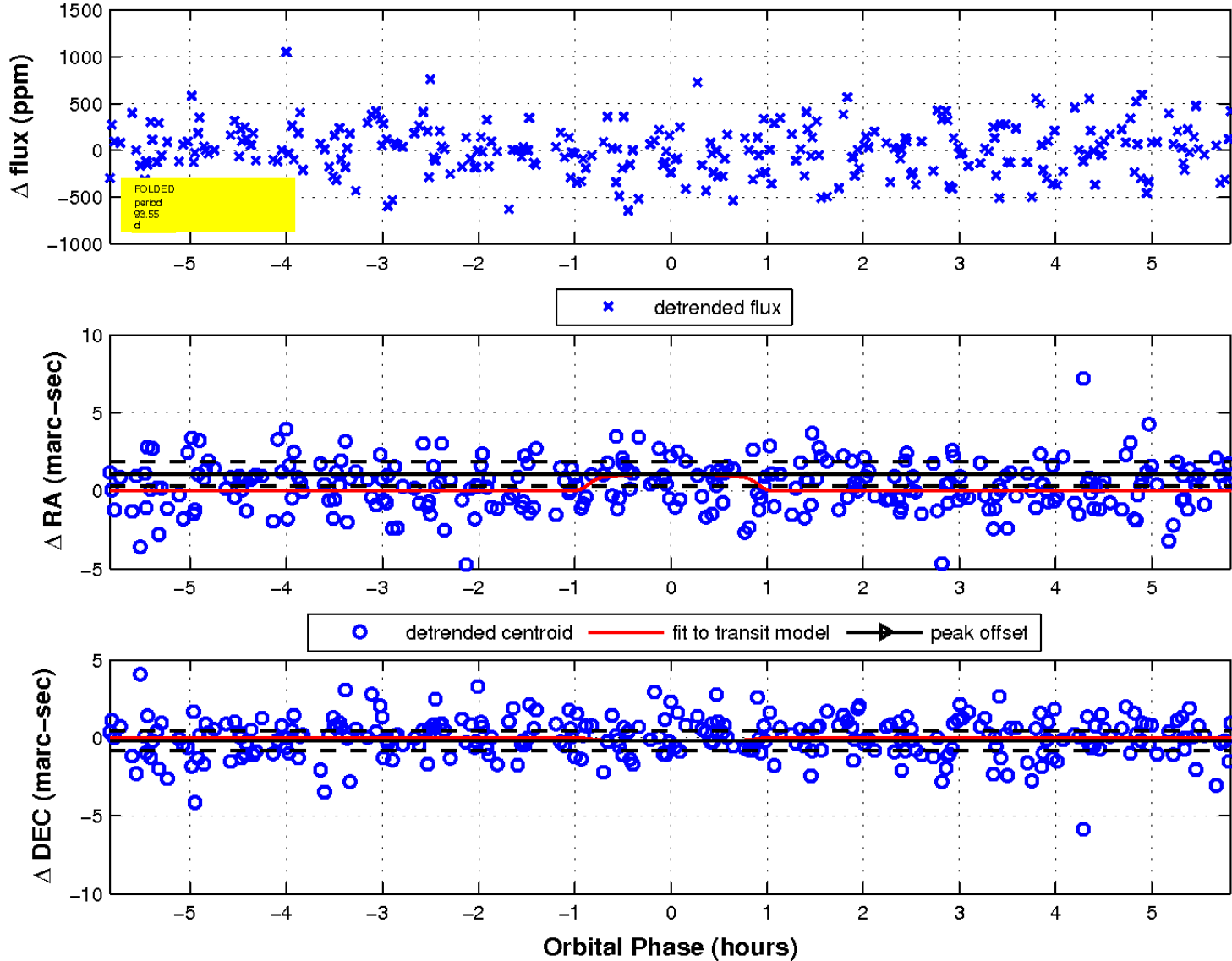
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



fluxWeightedCentroids, Planet 3 of 3



UKIRT Image

Declination

