

KIC 006387895

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})
006387895-01	OBS	No	0.522808	131.556685	37.8	1.357	9.9	5.6	2.44	7377	1.75	67095.23
006387895-02	OBS	No	0.522802	131.746214	63.3	1.473	11.0	7.1	2.44	7377	2.24	67096.26
006387895-03	OBS	No	0.522806	131.918550	196.4	2.771	12.4	14.9	2.44	7377	4.64	67095.46

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006387895-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
006387895-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
006387895-03	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—SAME_NTL_PERIOD—HALO_GHOST

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

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

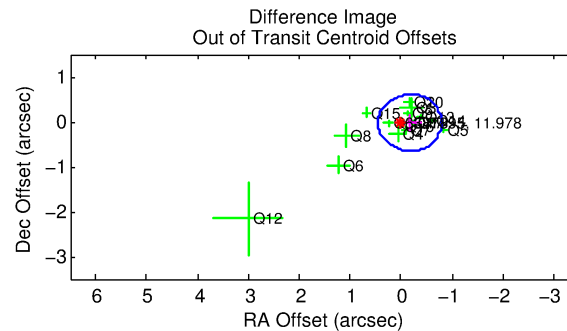
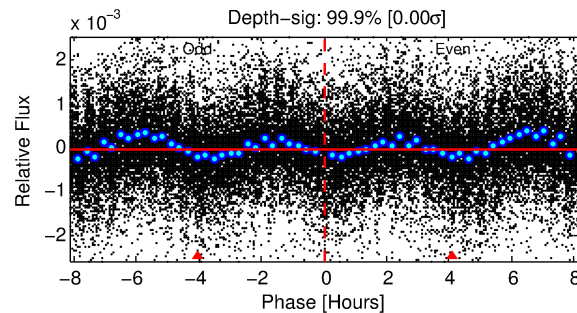
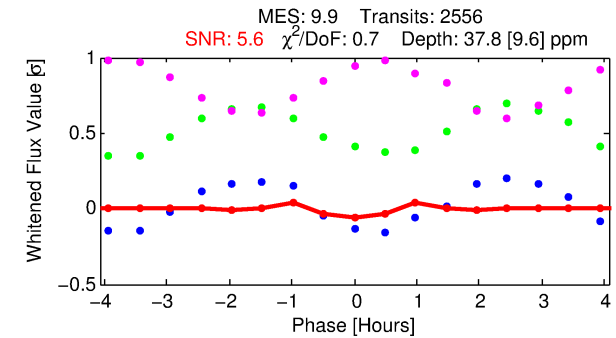
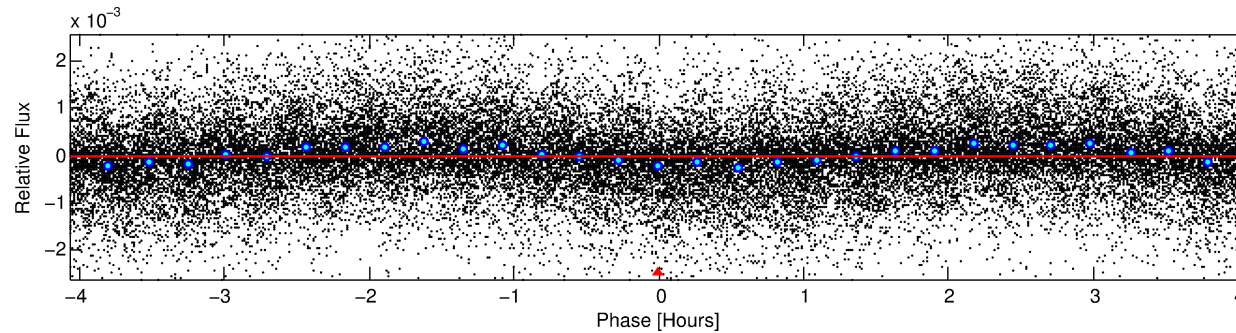
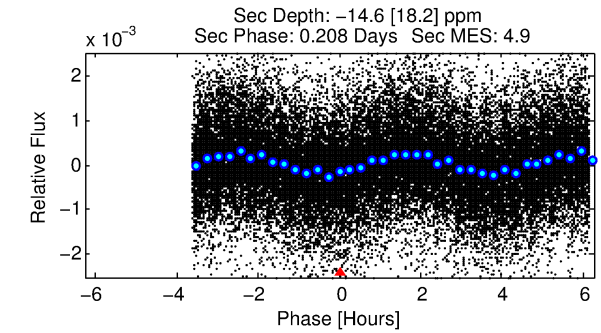
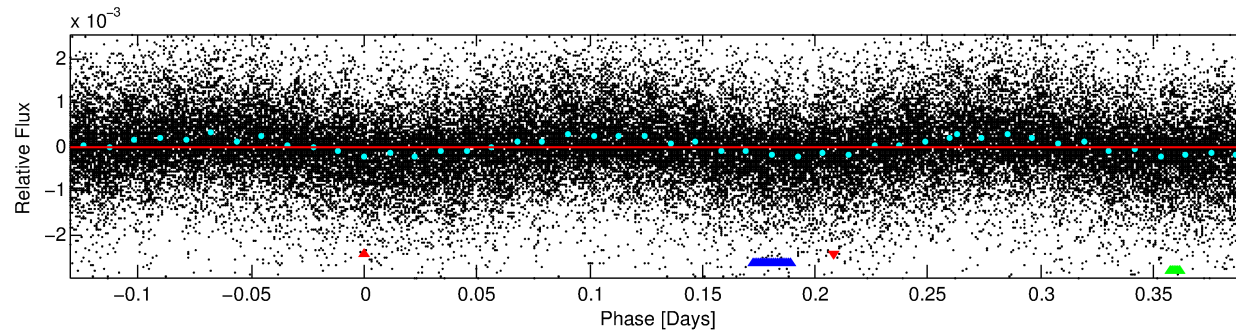
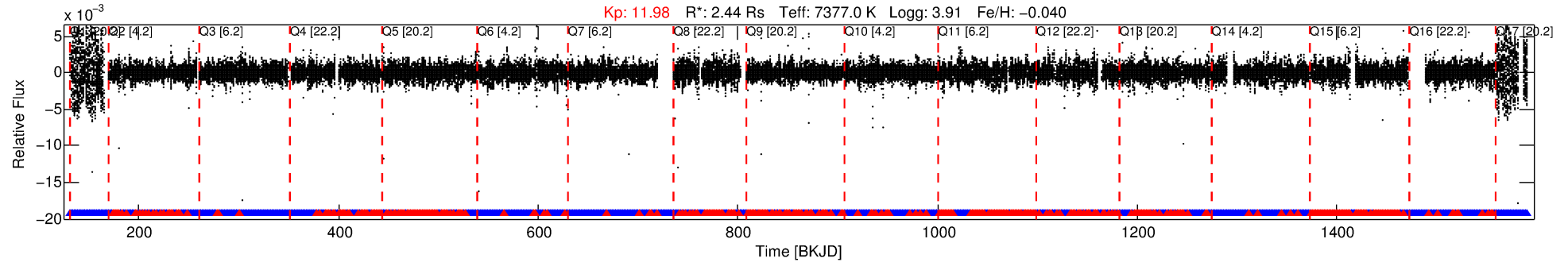
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006387895-01

No Significant Match Found

DV One-Page Summary

KIC: 6387895 Candidate: 1 of 3 Period: 0.523 d



DV Fit Results:

Period = 0.52281 [0.00002] d
Epoch = 131.5567 [0.0017] BKJD
Rp/R* = 0.0065 [0.0015]
a/R* = 1.63 [1.31]
b = 0.90 [0.28]
Seff = 67095.23 [35525.36]
Teff = 4104 [543] K
Rp = 1.75 [0.76] Re
a = 0.0154 [0.0050] AU
Ag = N/A
Teffp = N/A

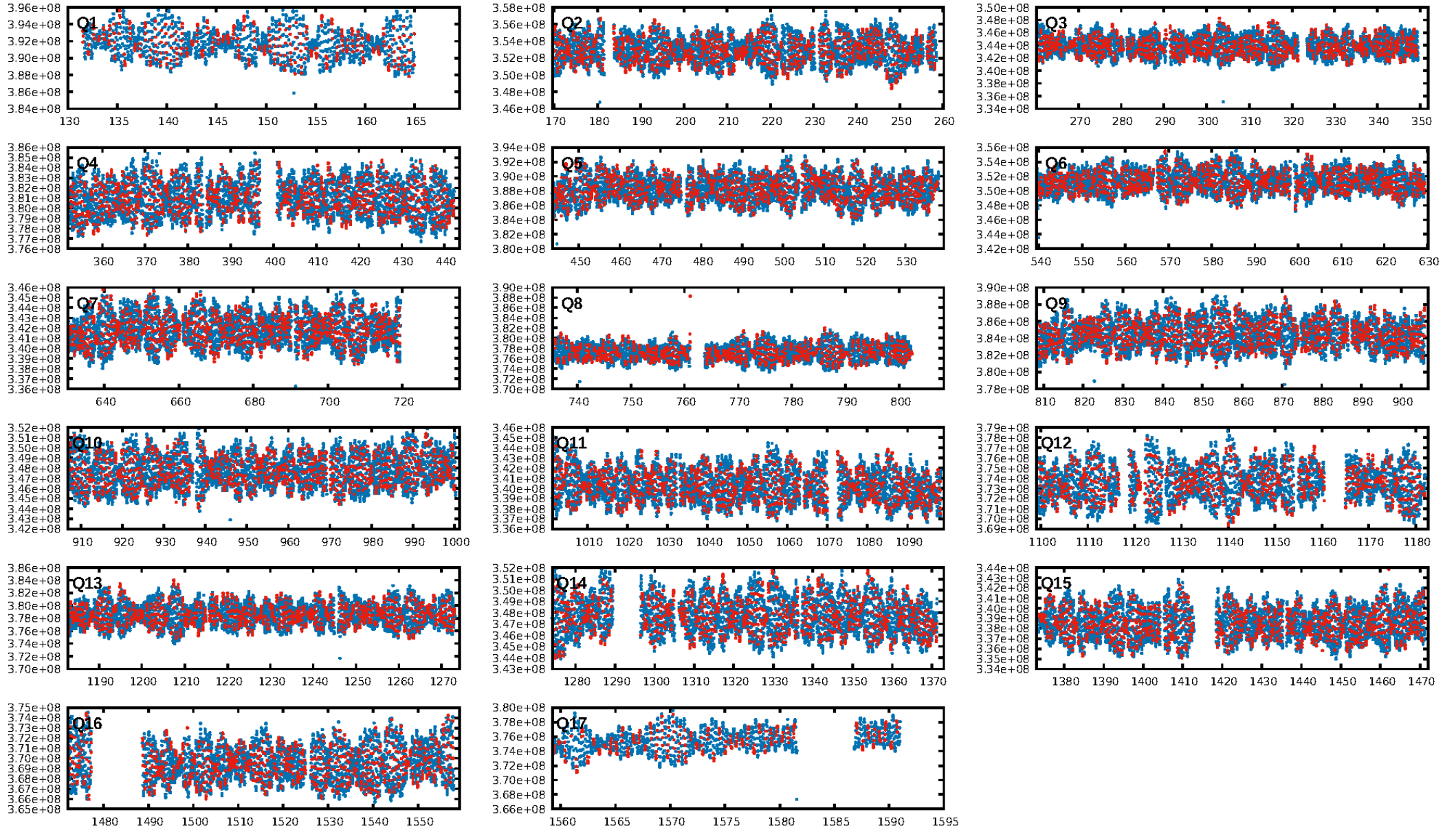
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.77 [1868/2441]
GhostDiagnostic-chr: 0.381
Centroid-sig: 0.0%
Centroid-so: 1.435 arcsec [2.78σ]
OotOffset-rm: 0.177 arcsec [0.85σ]
KicOffset-rm: 0.178 arcsec [0.70σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.29 [5/17]
DiffImageOverlap-fno: 0.00 [0/17]

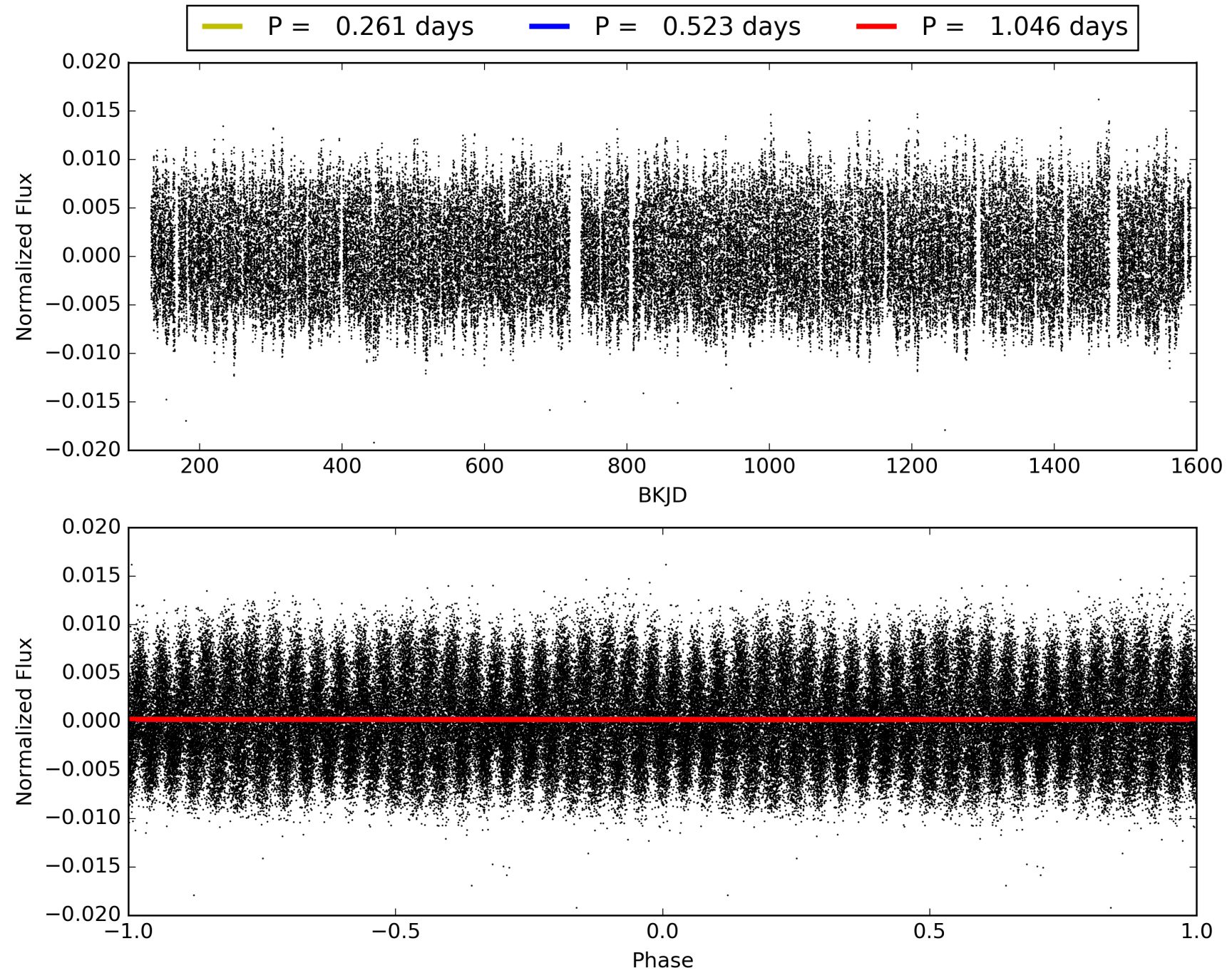
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 06:05:53 Z

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

TCE 006387895-01, PDC Light Curves

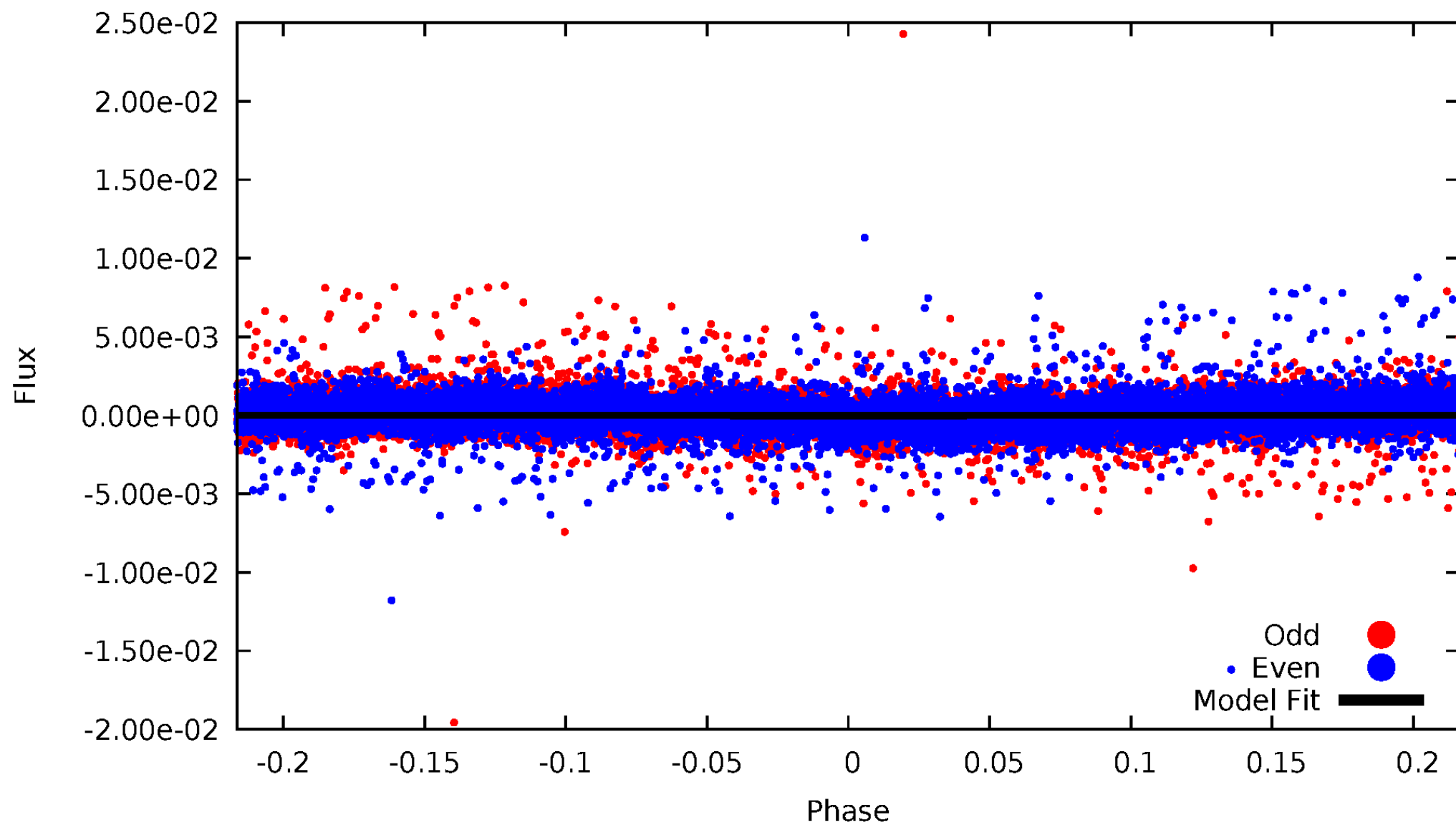


TCE 006387895-01



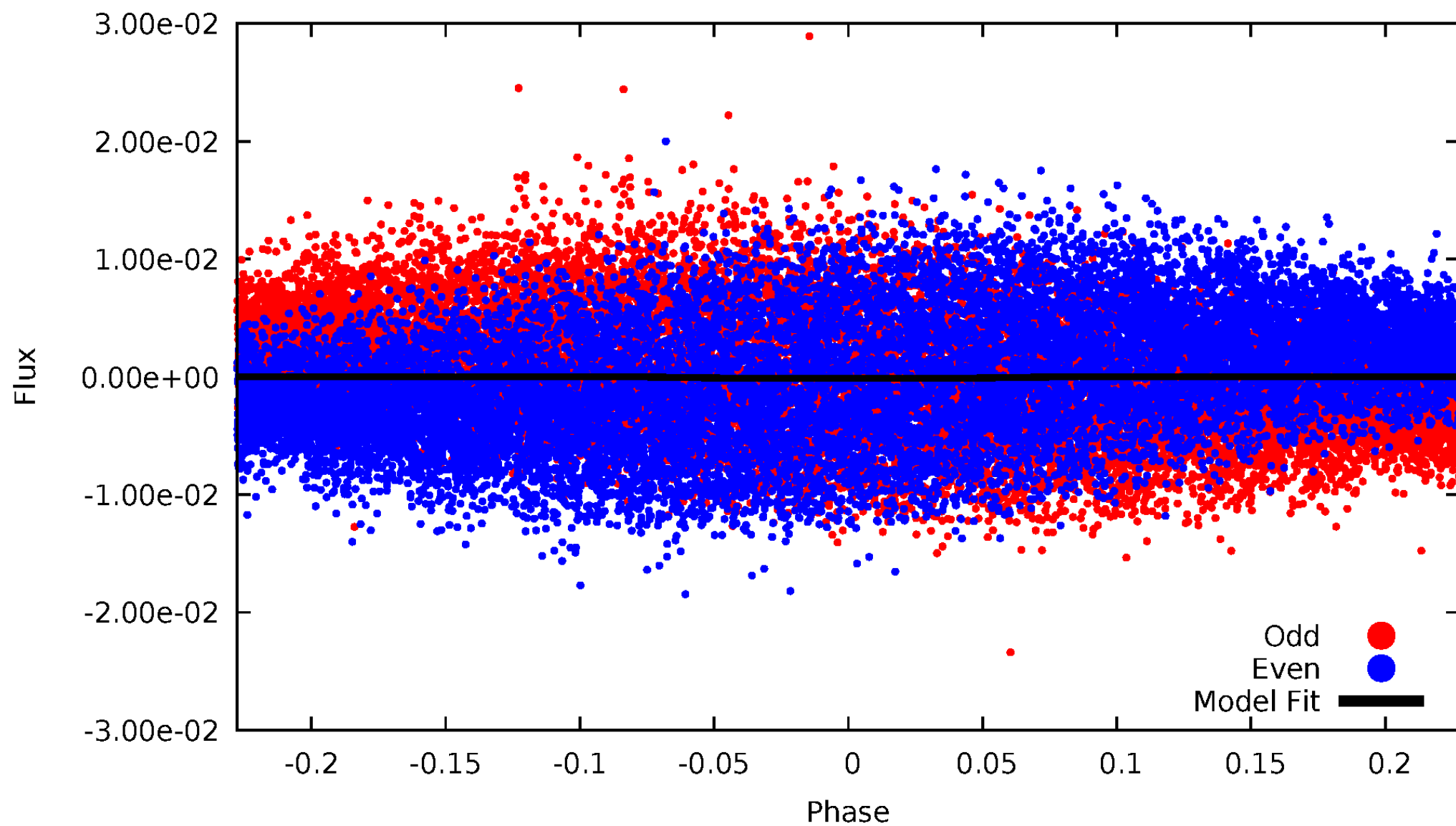
DV Odd/Even

TCE 006387895-01



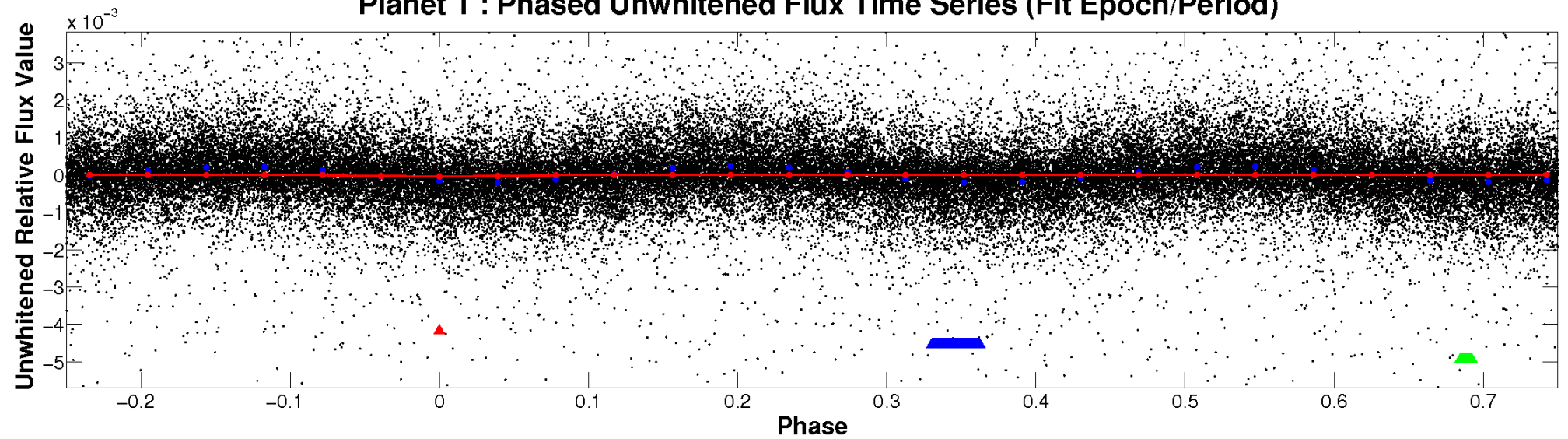
ALT Odd/Even

TCE 006387895-01

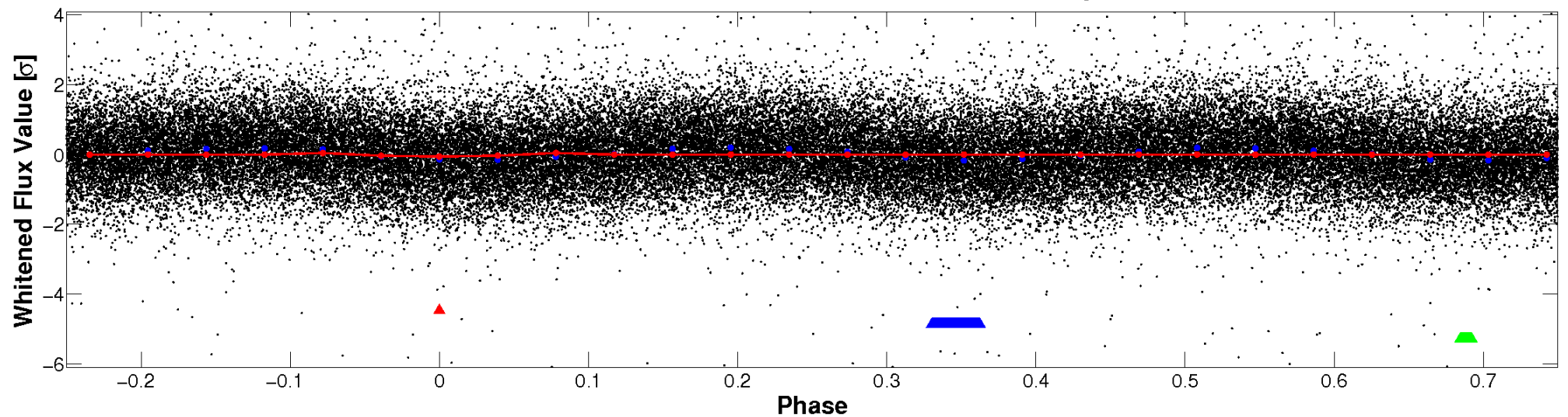


Non-Whitened Vs. Whitened Light Curve

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

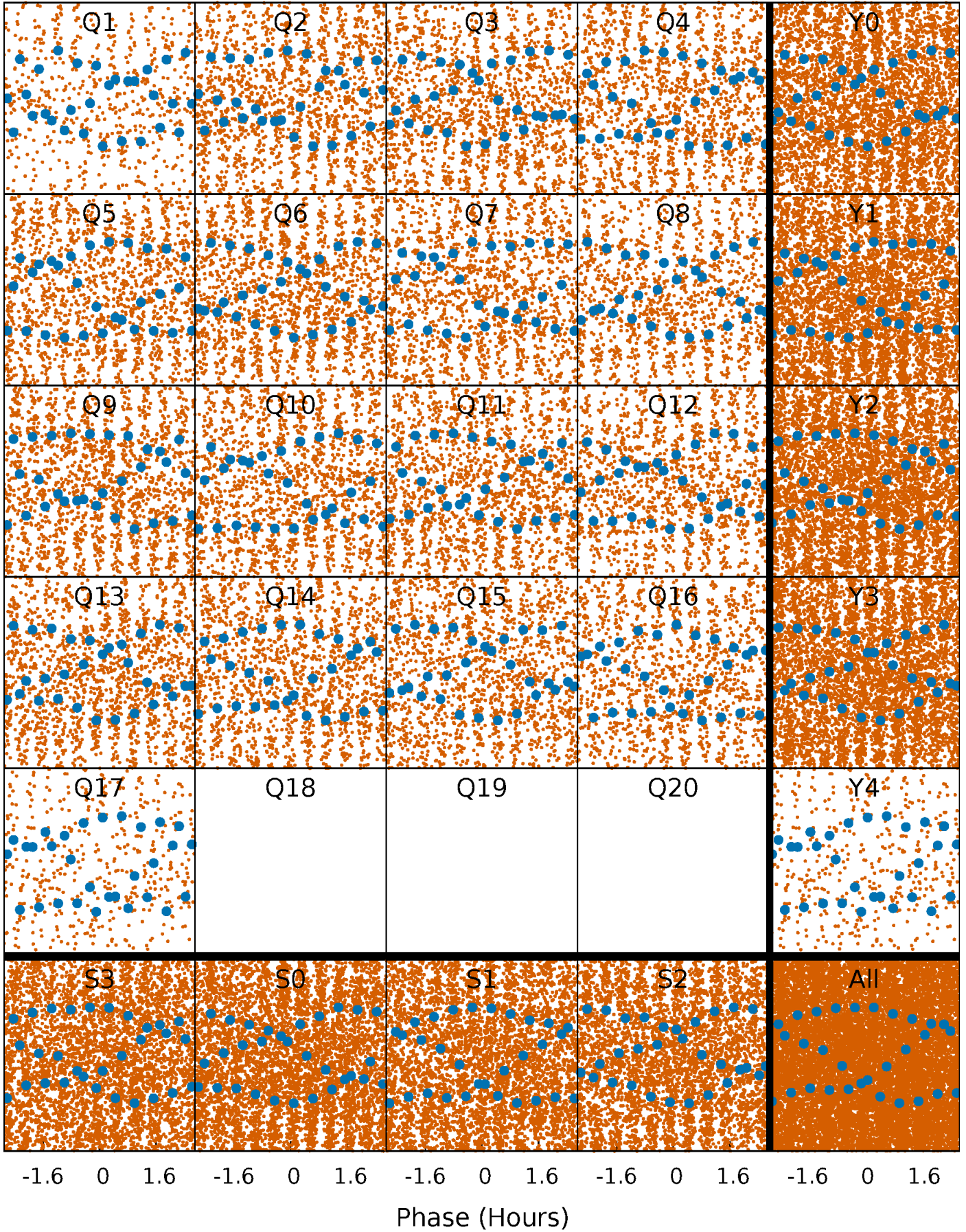


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



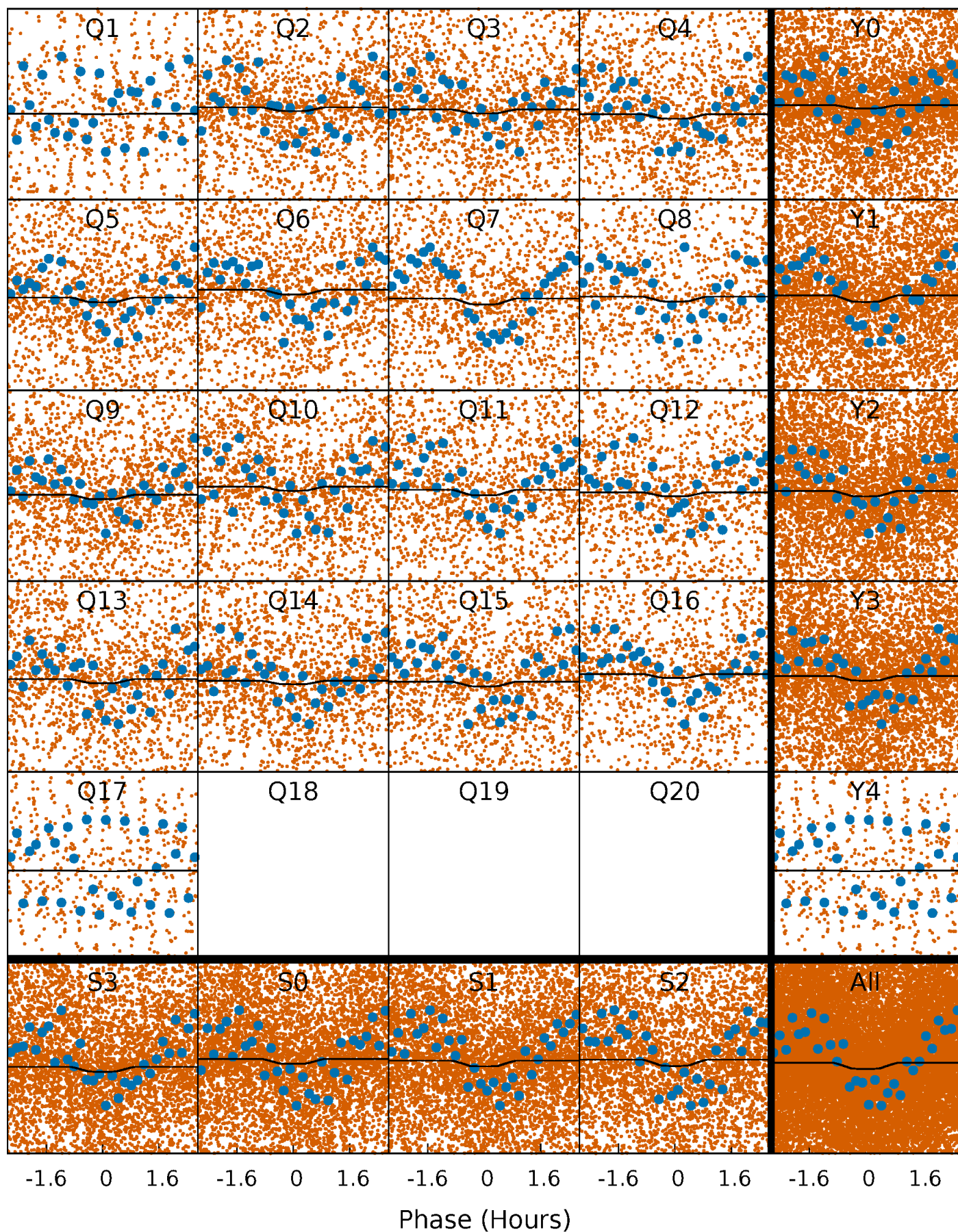
PDC Quarter-Phased Transit Curves

TCE 006387895-01 P= 0.522808 Days $T_0=131.556685$ (BKJD)



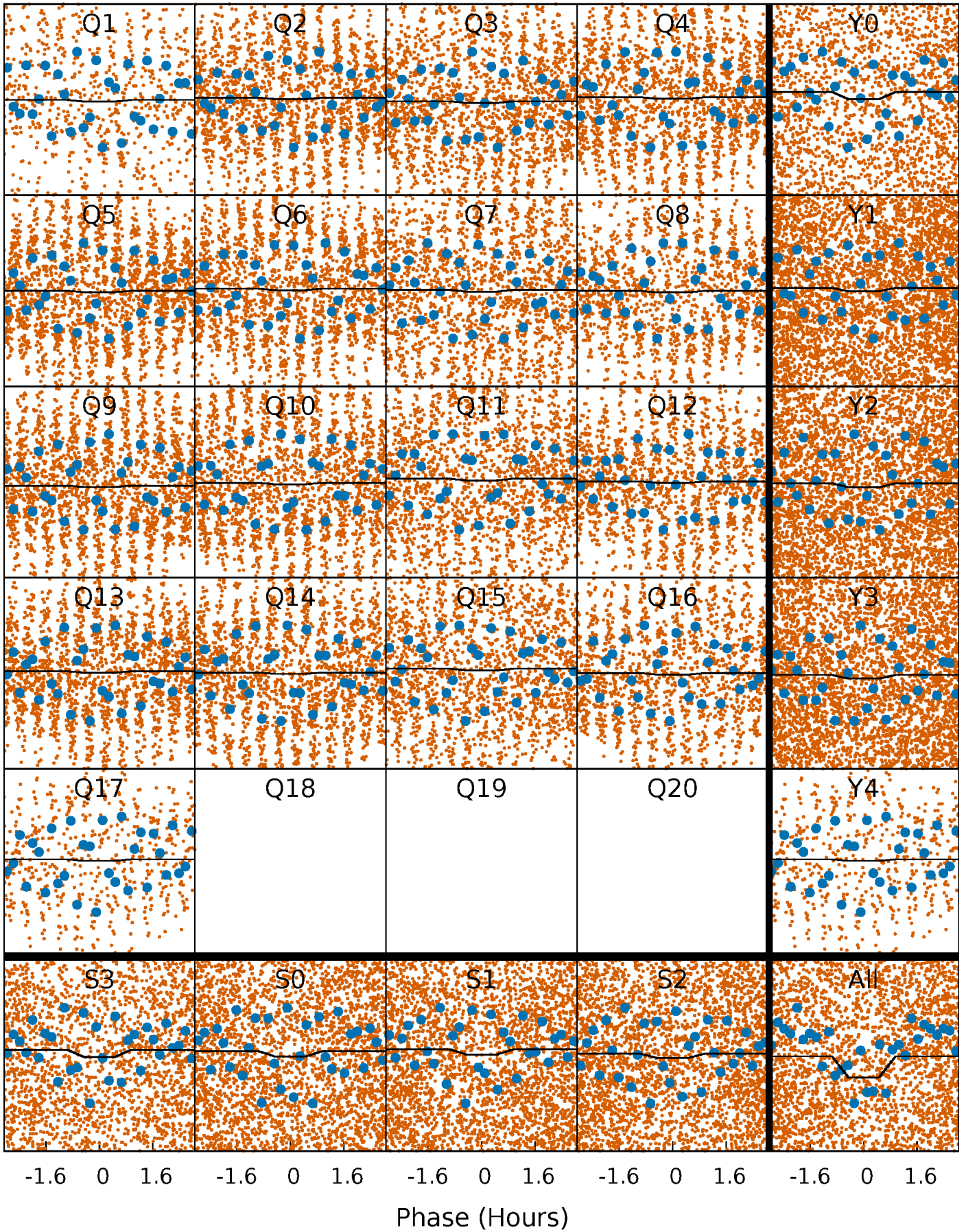
DV Quarter-Phased Transit Curves

TCE 006387895-01 P= 0.522808 Days $T_0=131.556685$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

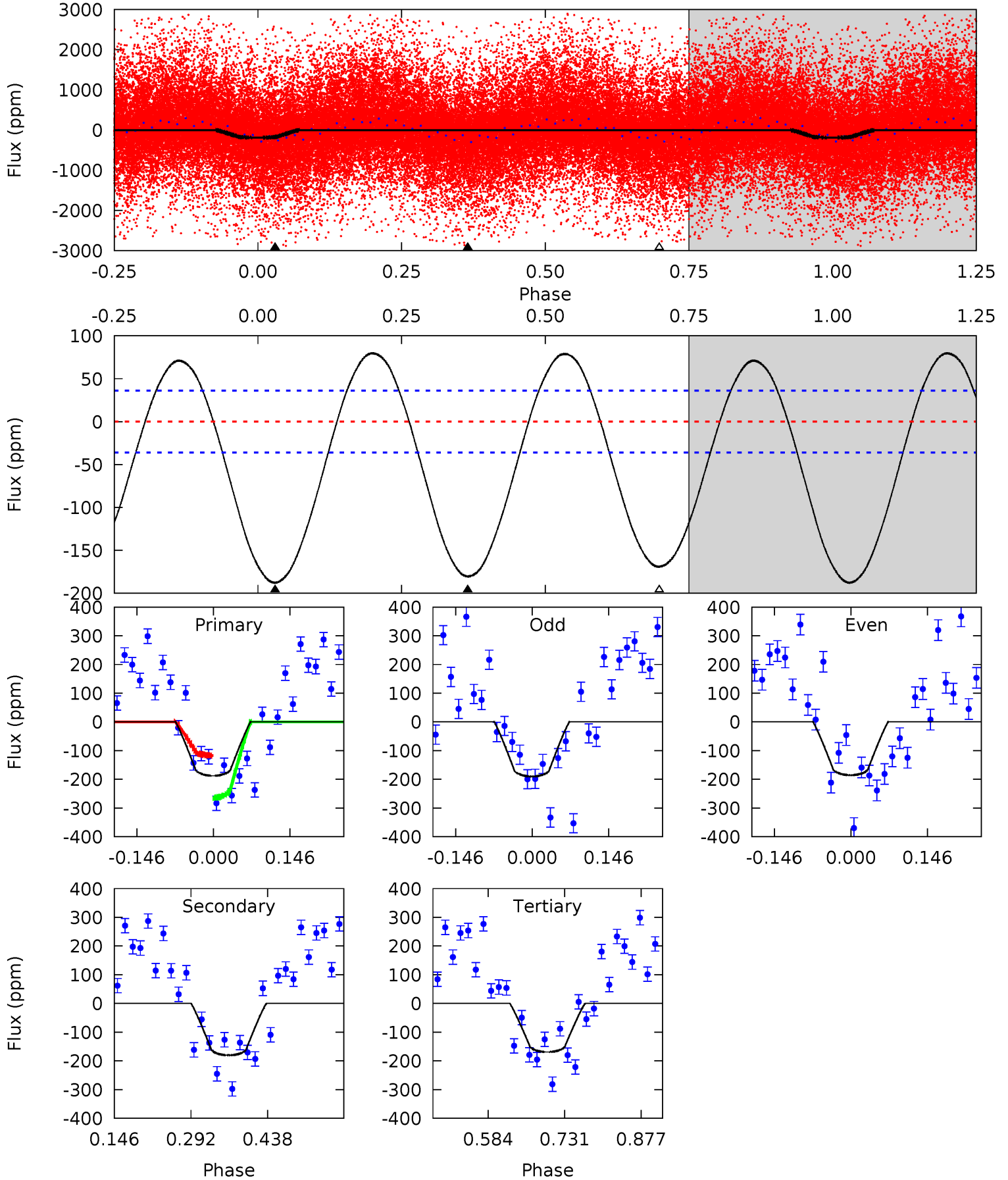
TCE 006387895-01 P= 0.522823 Days $T_0=131.555739$ (BKJD)



DV Model-Shift Uniqueness Test

006387895-01, P = 0.522808 Days, E = 131.033877 Days

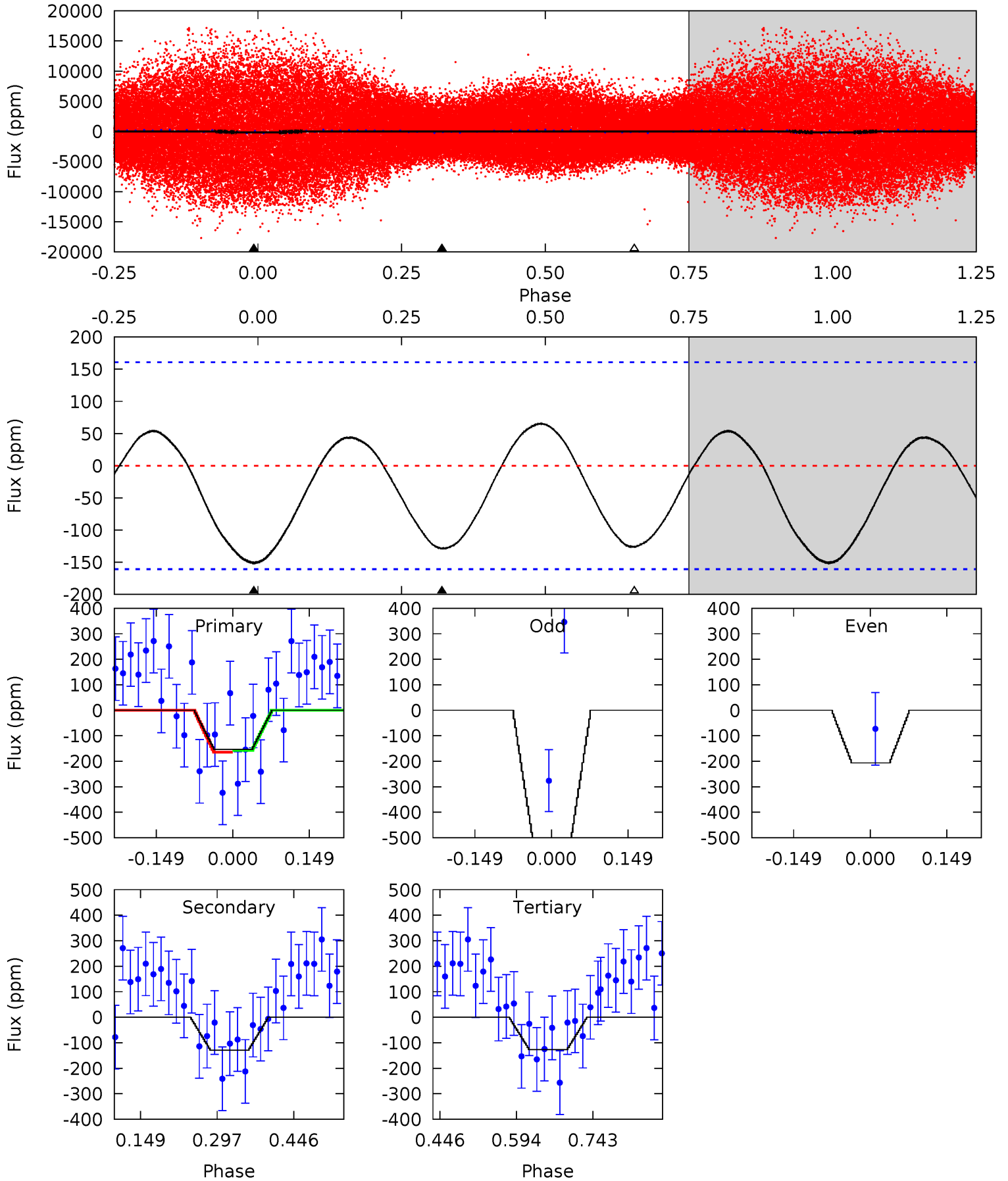
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
23.4	22.5	21.0	0	4.48	1.45	11.4	2.32	23.4	1.40	22.5	0.29	1.14	0.30	9.30



Alt Model-Shift Uniqueness Test

006387895-01, P = 0.522823 Days, E = 131.032916 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
4.27	3.61	3.54	0	4.48	1.44	1.88	0.73	4.27	0.07	3.61	3.44	0.34	0.30	0.11



Stellar Parameters For KIC 006387895

	$T_{\text{eff}} (K)$	$\log(g)$	$[\text{Fe}/\text{H}]$	$R (R_{\odot})$	$M (M_{\odot})$	$\rho_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+230}_{-307}	$3.910^{+0.287}_{-0.123}$	$-0.040^{+0.200}_{-0.350}$	$2.444^{+0.477}_{-0.887}$	$1.770^{+0.193}_{-0.386}$	$0.171^{+0.347}_{-0.065}$
	+3%/-4%	+7%/-3%	+500%/-875%	+20%/-36%	+11%/-22%	+203%/-38%
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 006387895-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-180 ± 8	$1.67^{+0.55}_{-0.51}$	5641^{+406}_{-478}	11906^{+3737}_{-2184}	$8.305^{+8.087}_{-3.518}$
Alt.	-130 ± 36	$3.06^{+0.56}_{-0.62}$	5667^{+387}_{-529}	6777^{+955}_{-901}	$1.760^{+1.128}_{-0.683}$

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

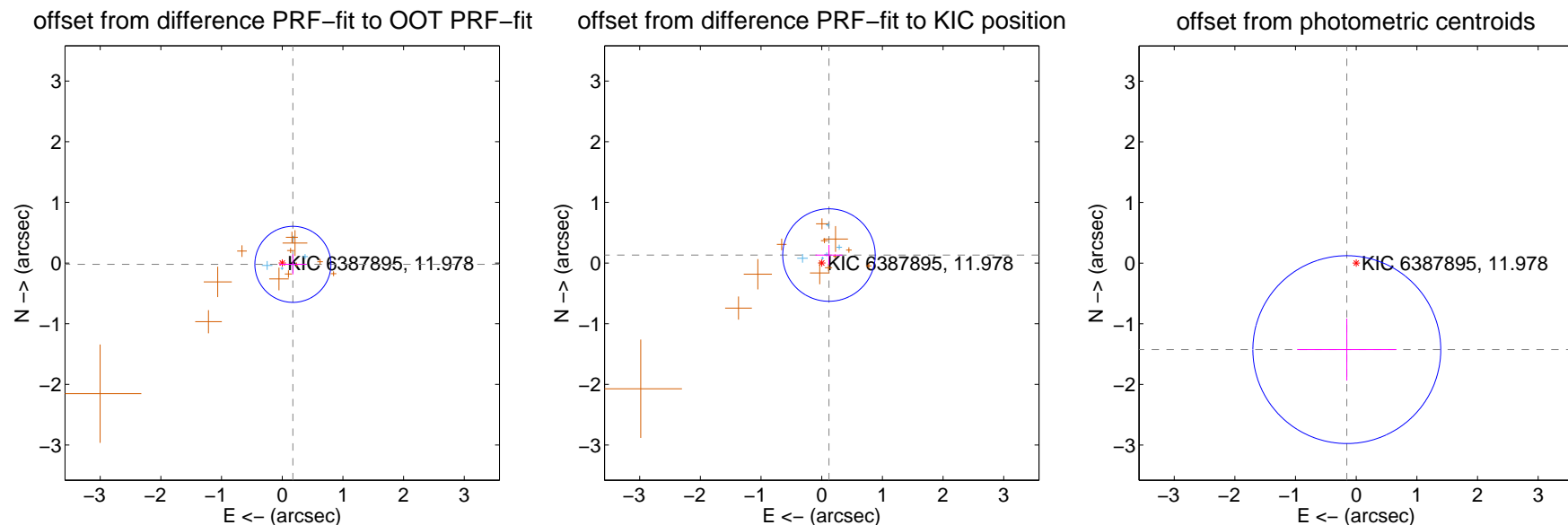
DV Centroid Data

Supplemental centroid analysis for 006387895-01. **Kepler magnitude: 11.98.** Transit SNR 5.57

There are 5 quarters with good PRF difference image offsets

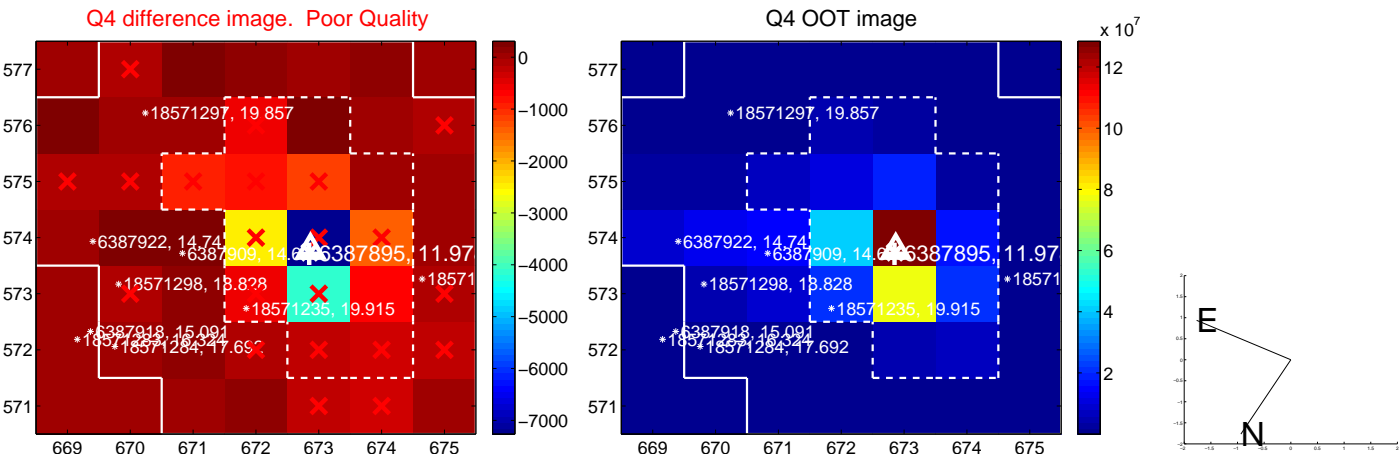
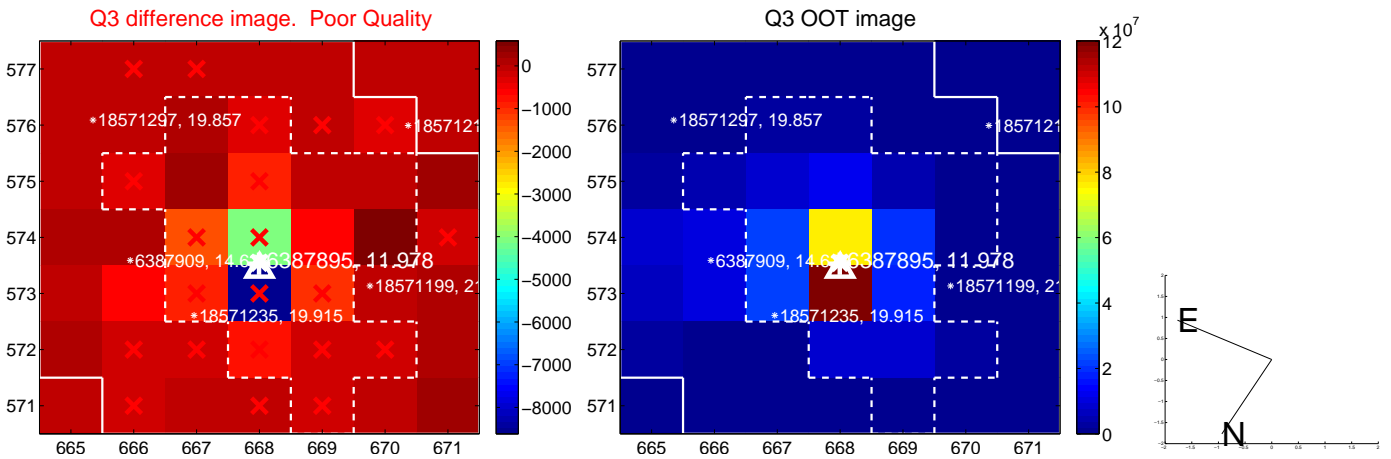
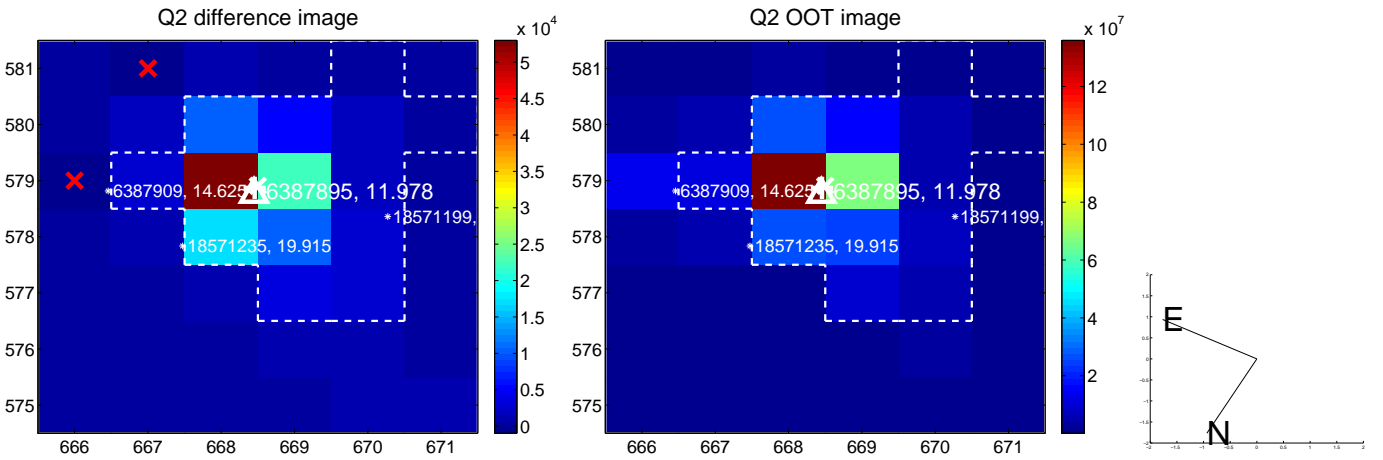
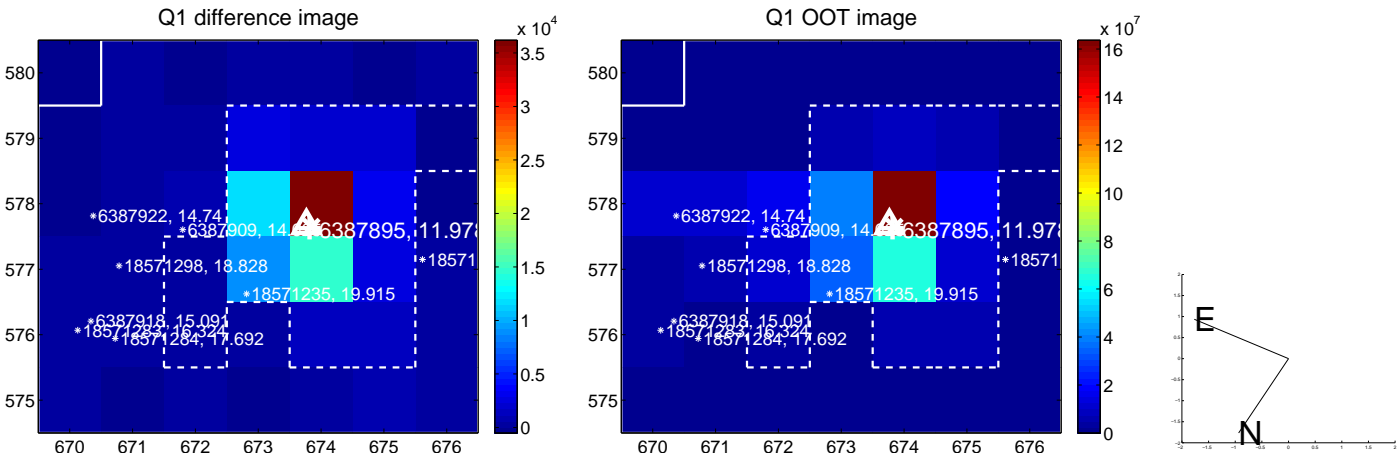
The direct PRF centroid is offset from the target star catalog position by about 0.19 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.177 ± 0.209	0.85	-0.176 ± 0.225	-0.022 ± 0.165
PRF-fit source offset from KIC position	0.178 ± 0.254	0.70	-0.119 ± 0.223	0.132 ± 0.166
photometric centroid source offset	1.43 ± 0.52	2.78	0.15 ± 0.82	-1.43 ± 0.51

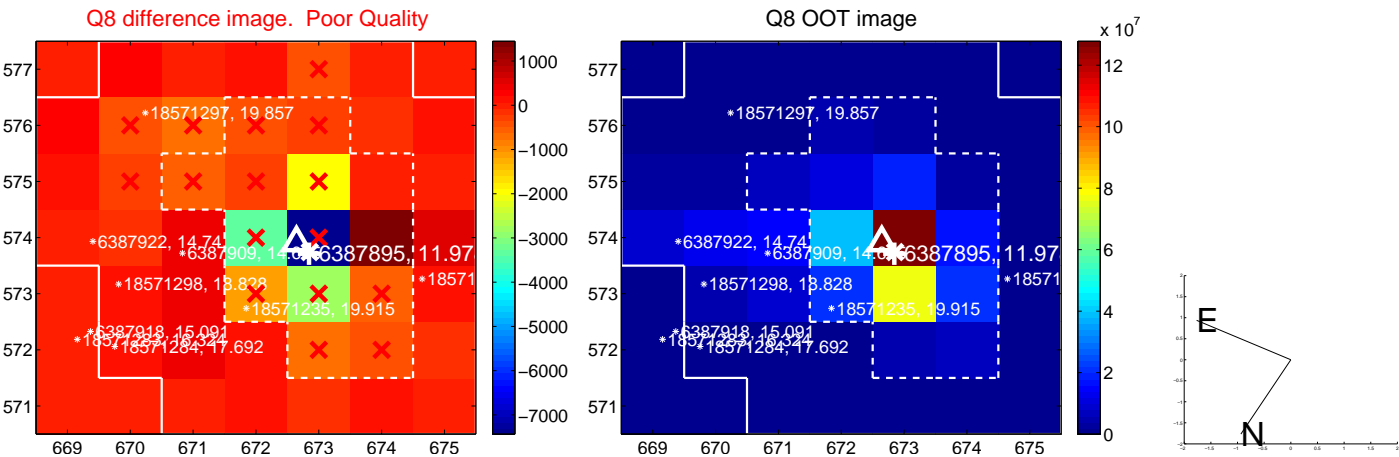
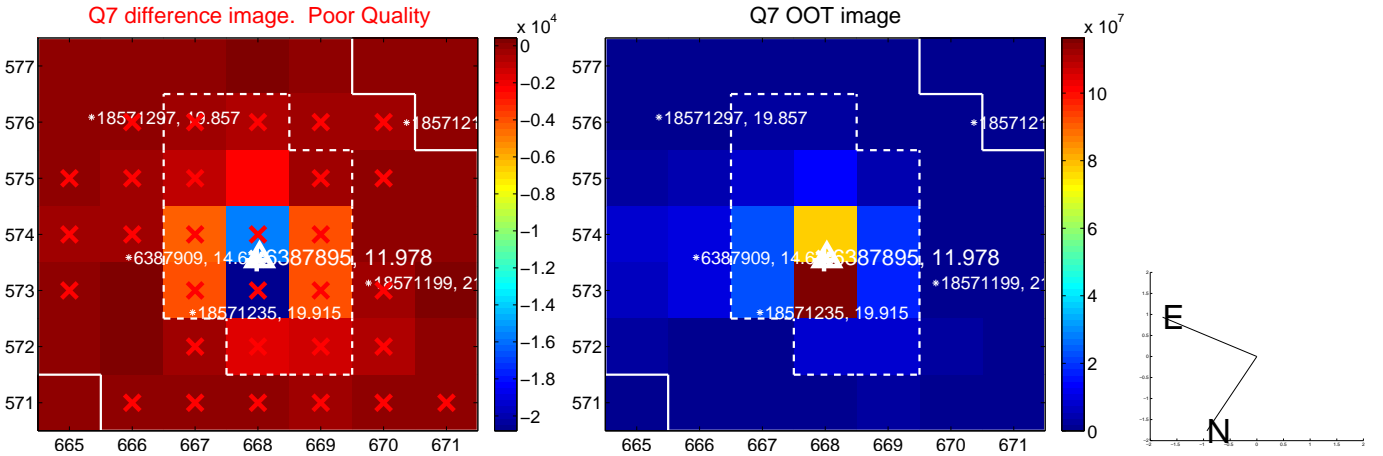
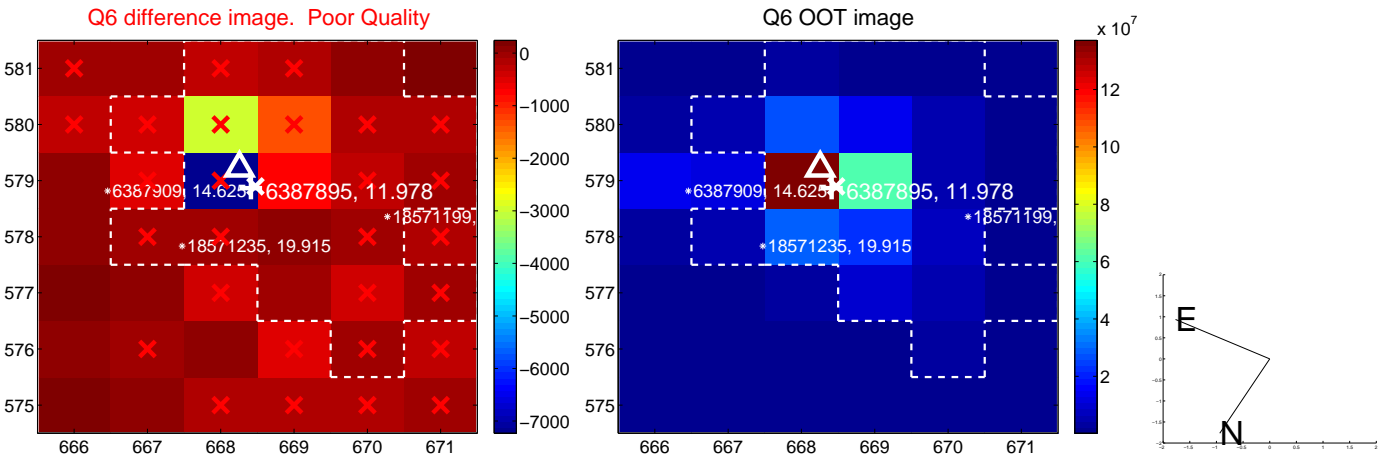
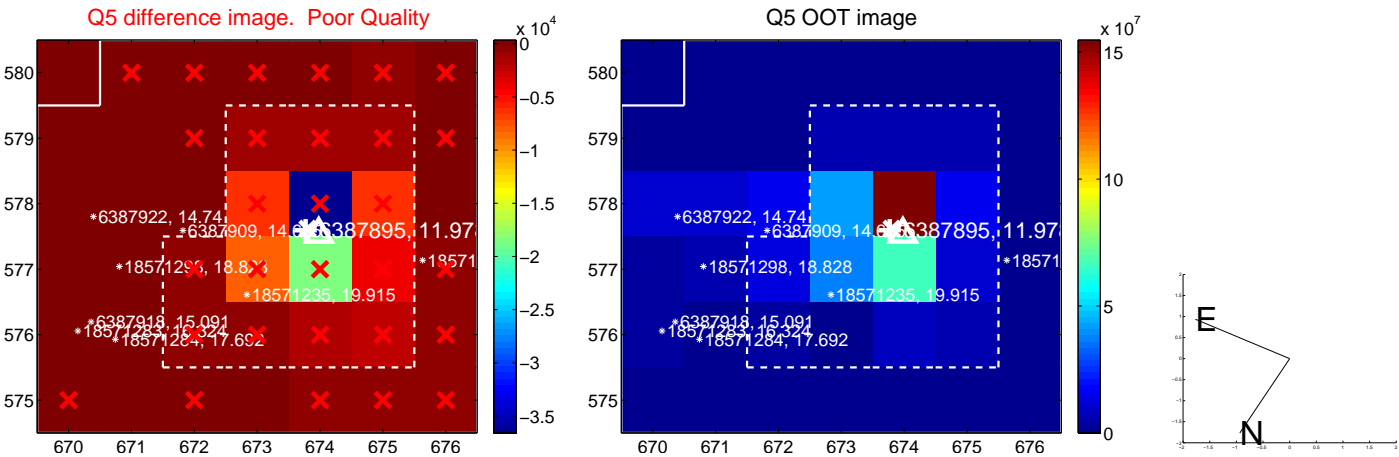


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

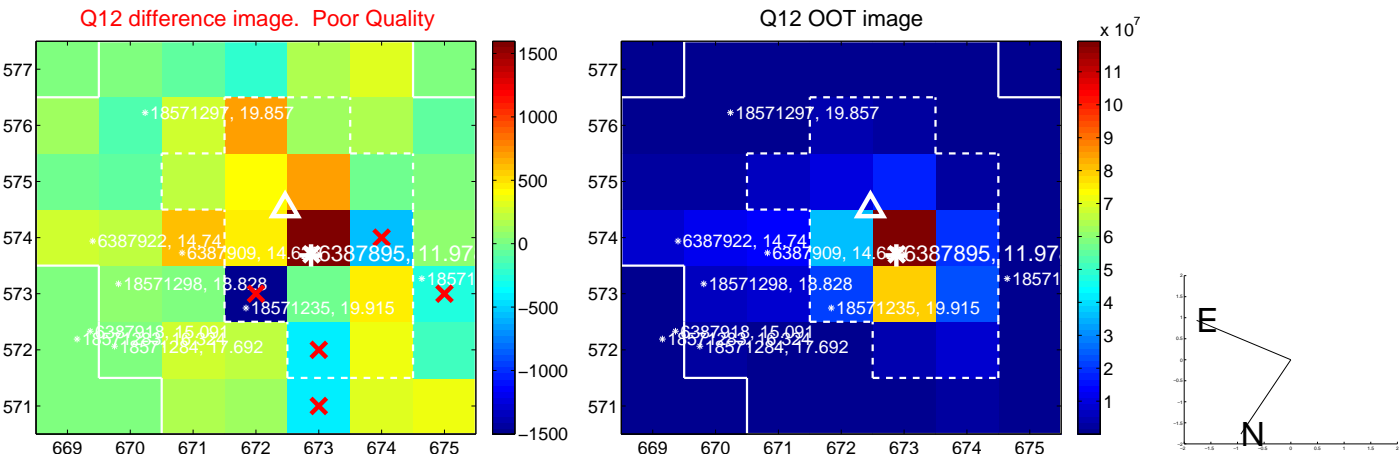
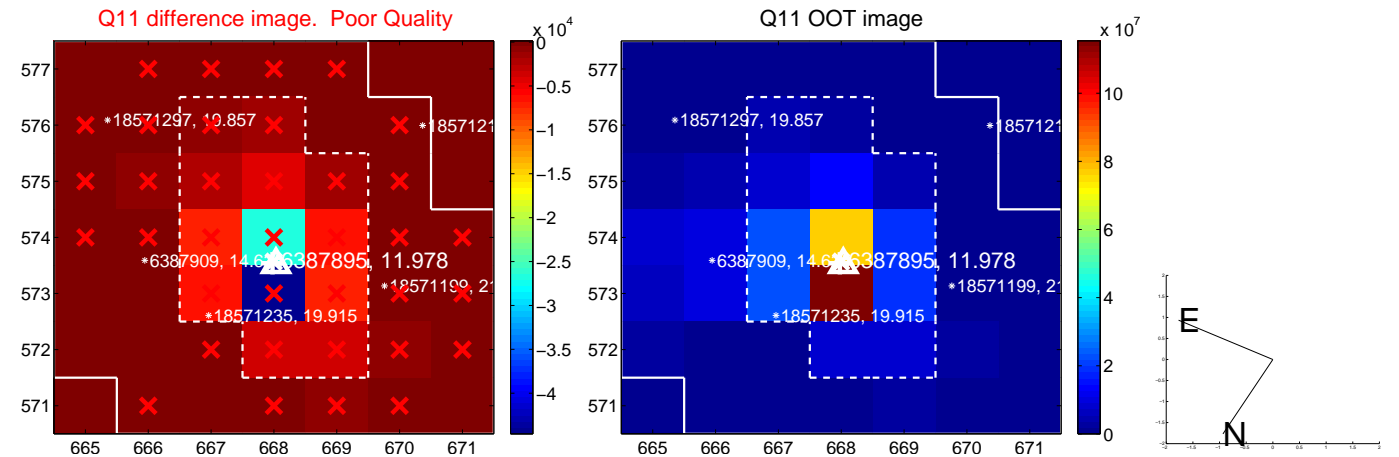
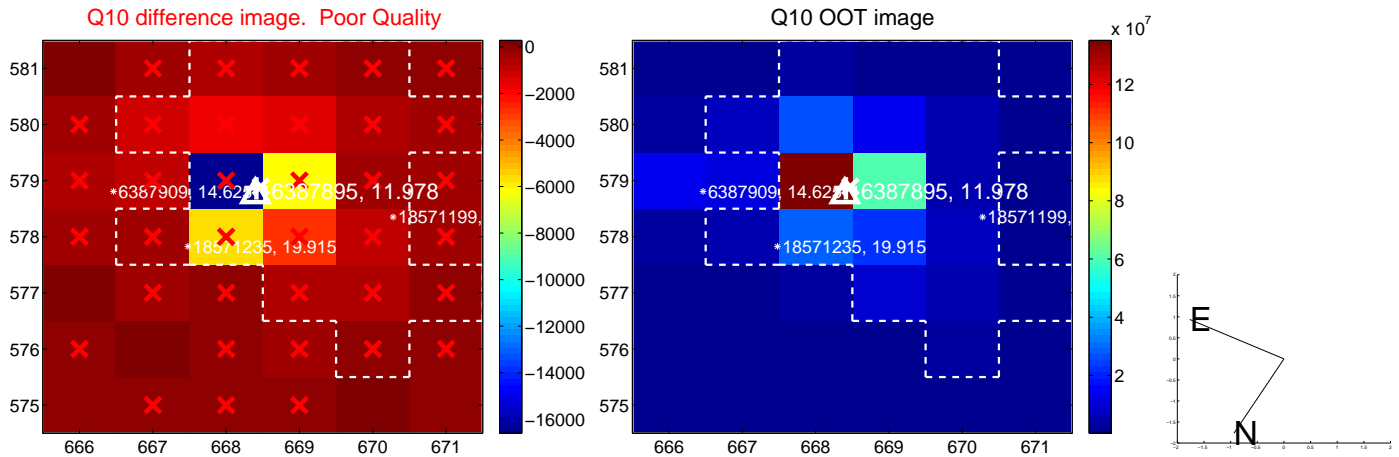
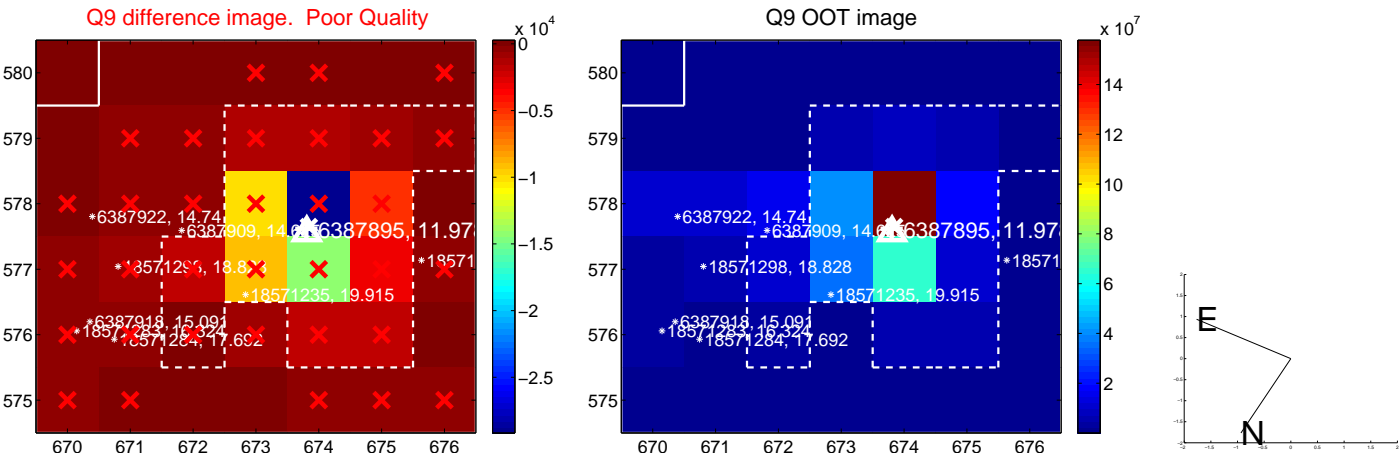
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



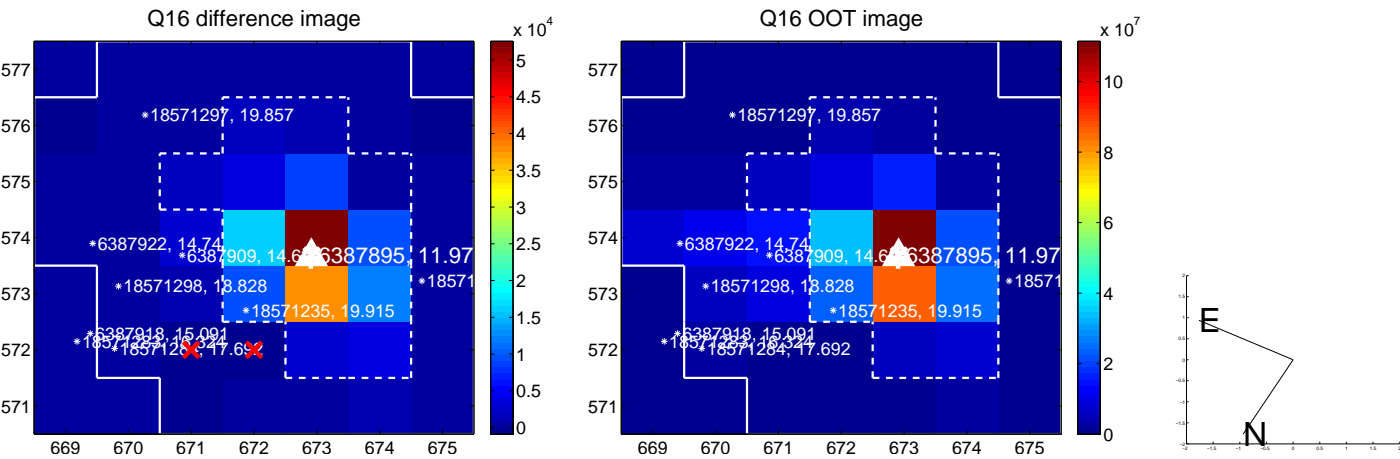
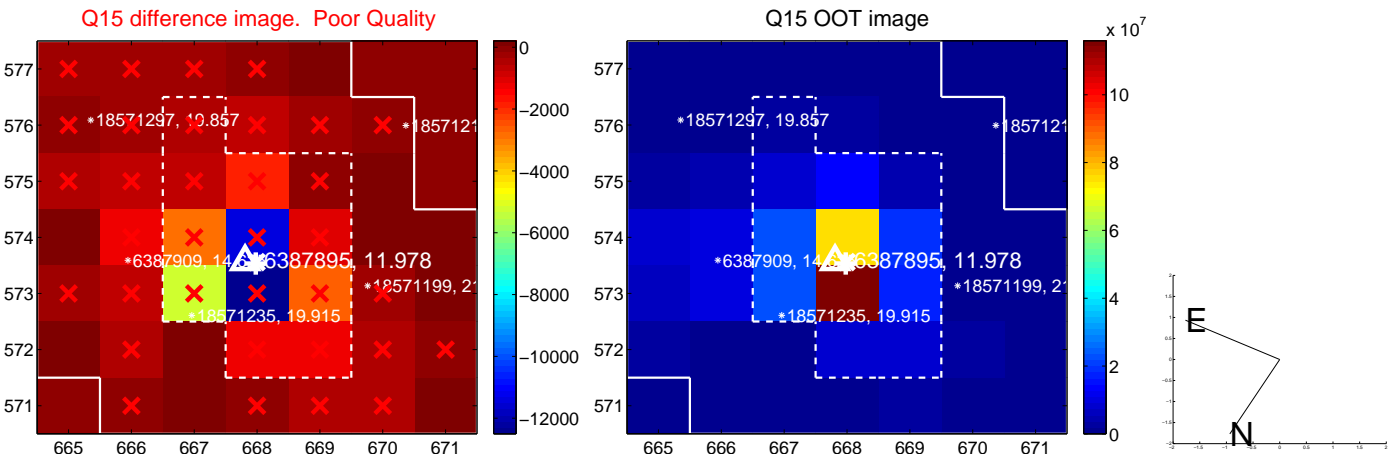
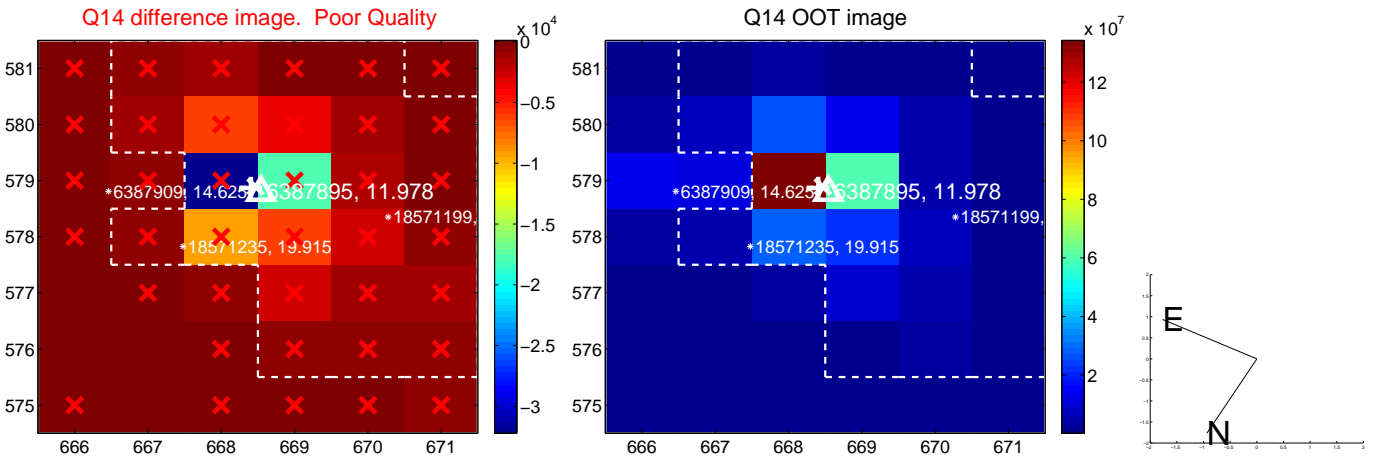
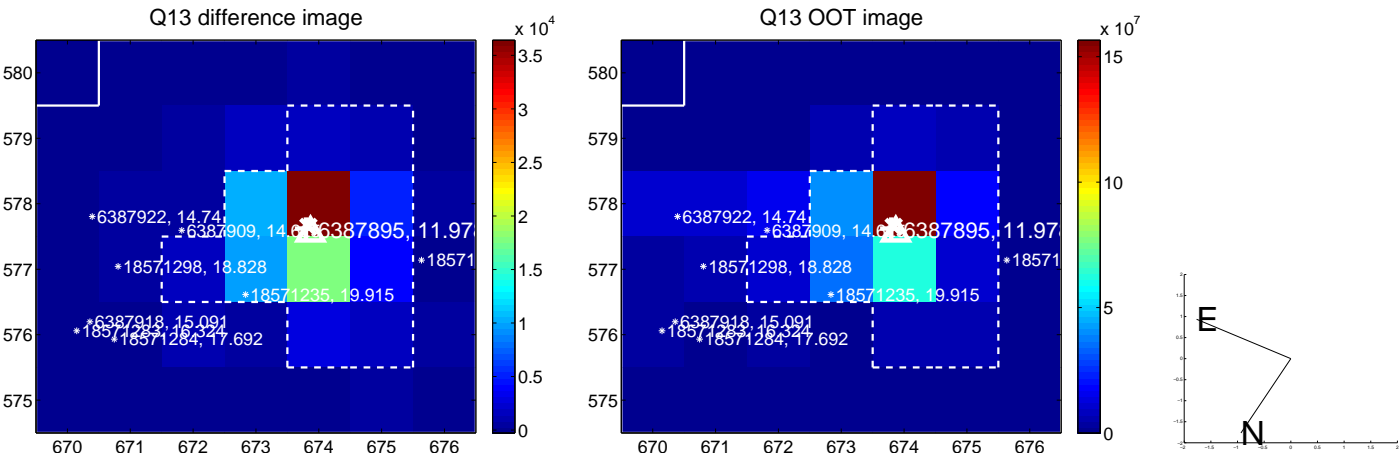
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



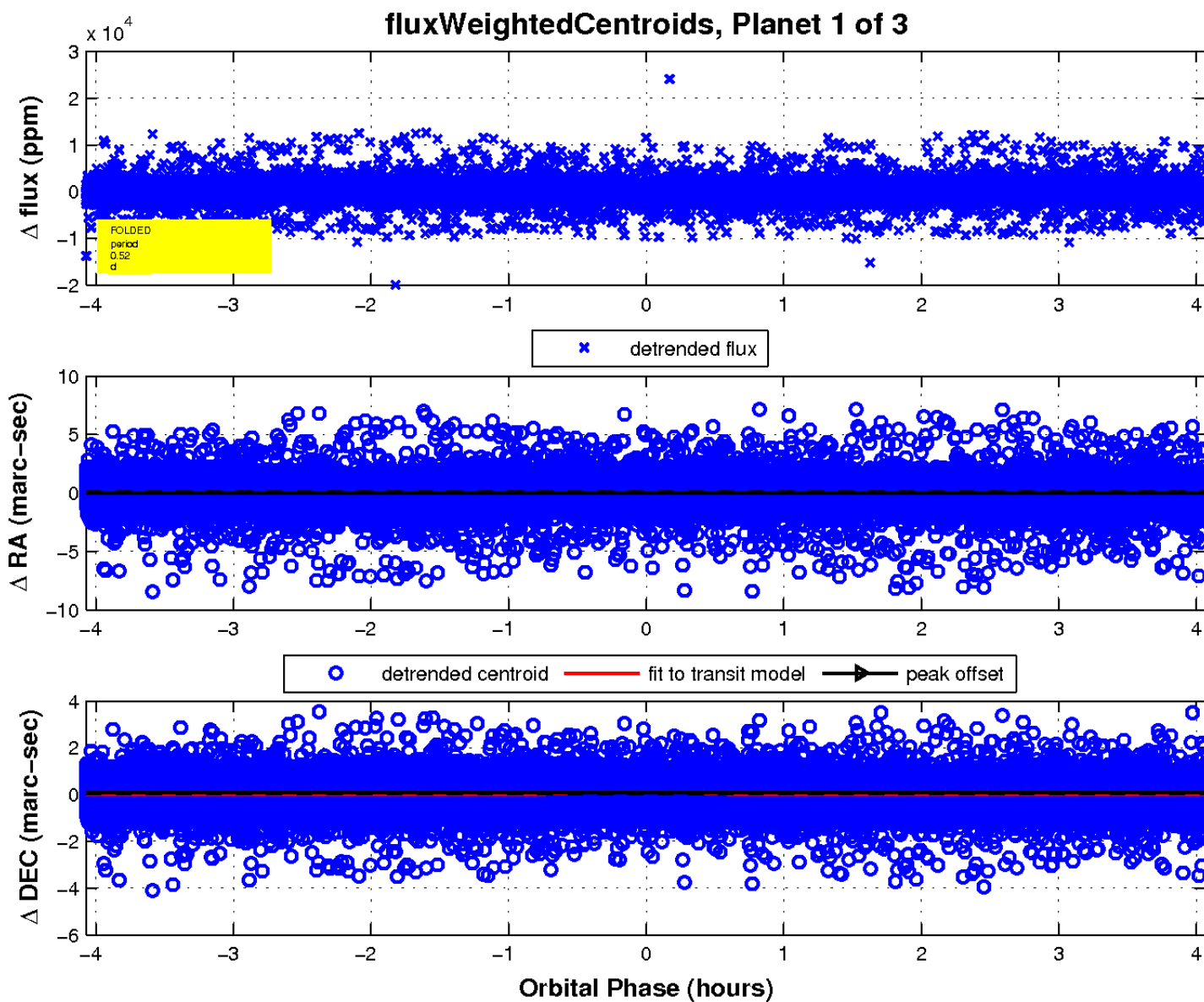
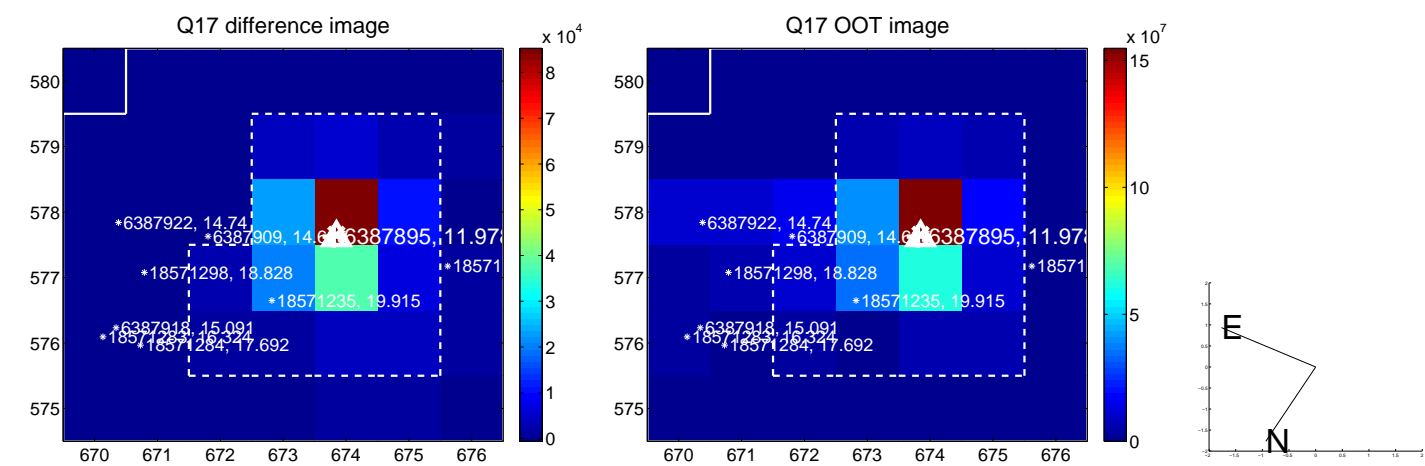
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

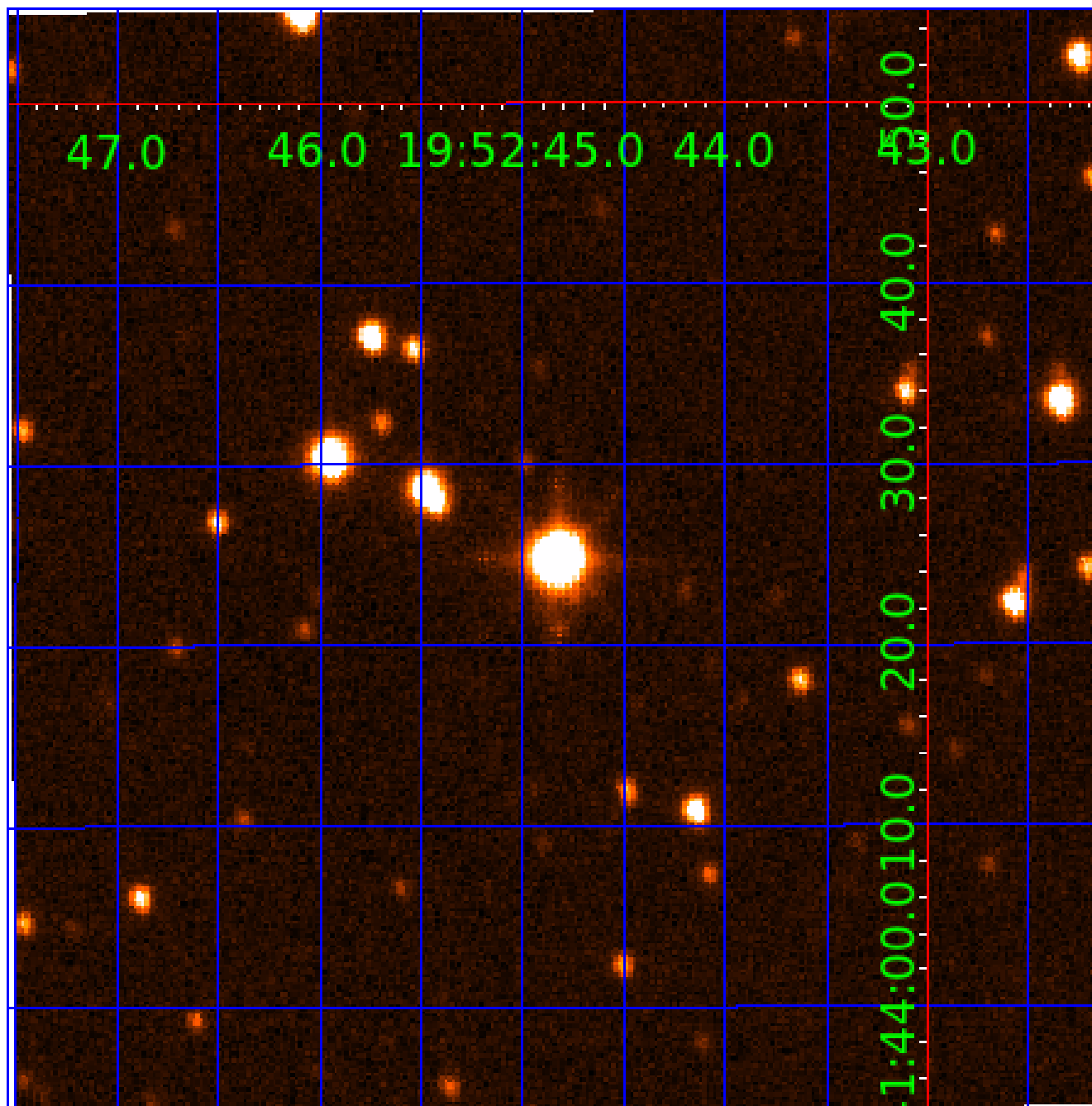


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006387895

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})
006387895-01	OBS	No	0.522808	131.556685	37.8	1.357	9.9	5.6	2.44	7377	1.75	67095.23
006387895-02	OBS	No	0.522802	131.746214	63.3	1.473	11.0	7.1	2.44	7377	2.24	67096.26
006387895-03	OBS	No	0.522806	131.918550	196.4	2.771	12.4	14.9	2.44	7377	4.64	67095.46

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006387895-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
006387895-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
006387895-03	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—SAME_NTL_PERIOD—HALO_GHOST

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

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

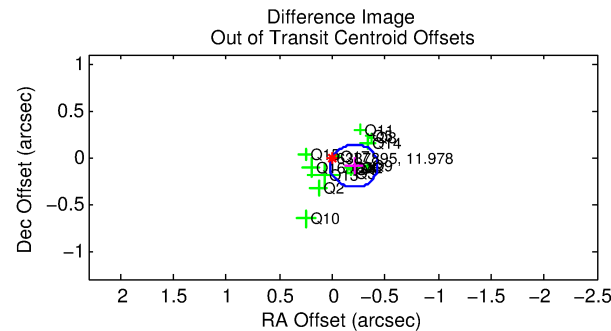
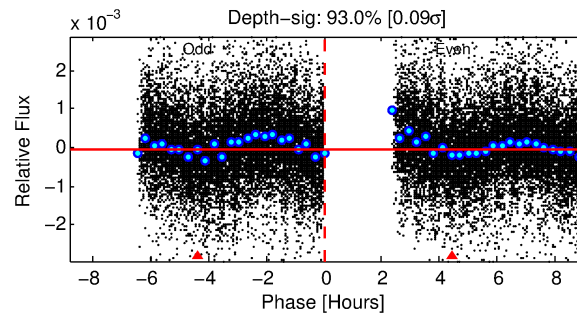
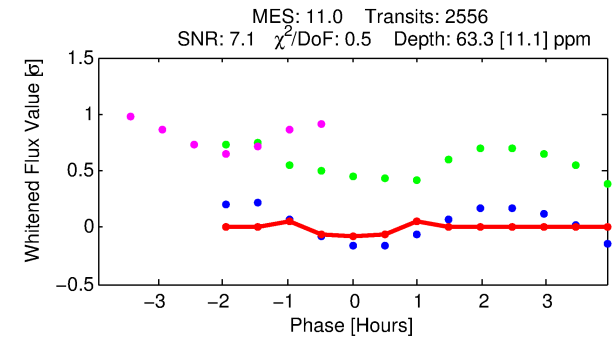
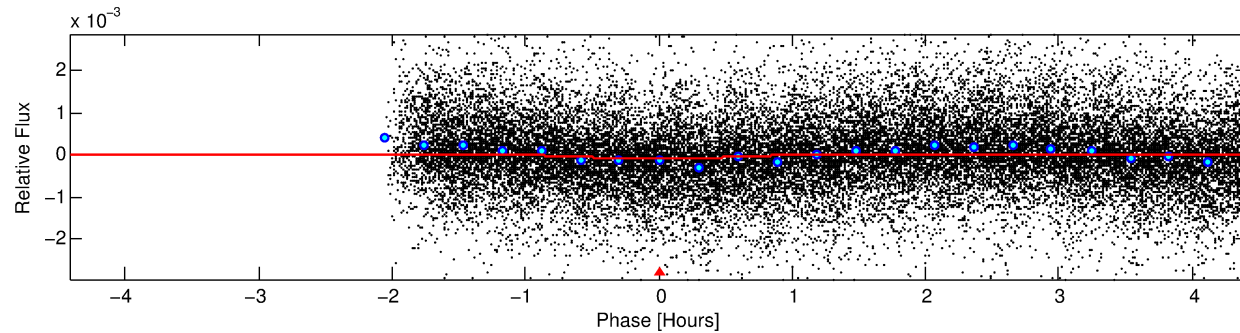
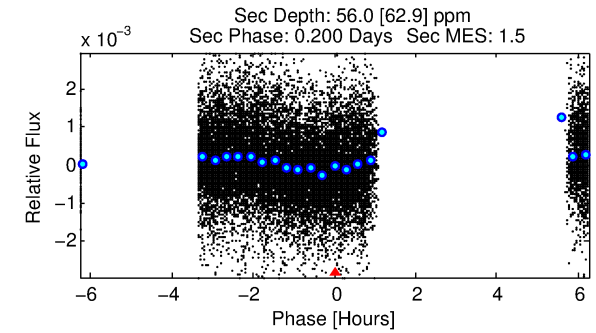
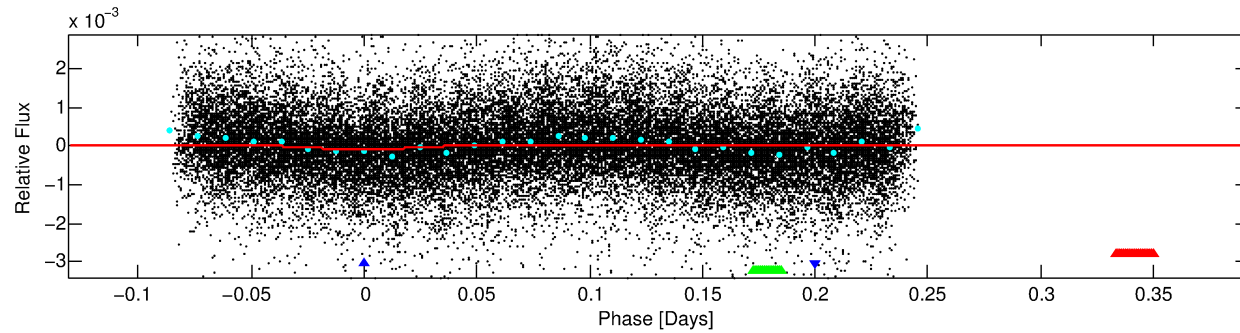
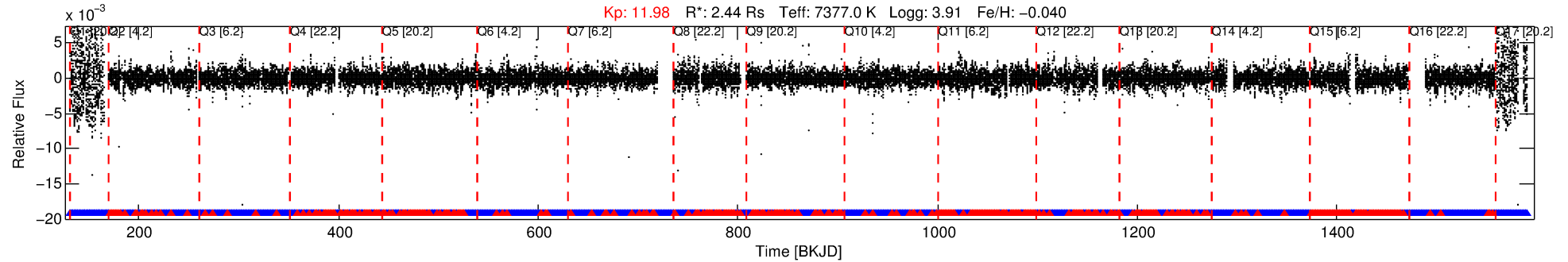
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006387895-02

No Significant Match Found

DV One-Page Summary

KIC: 6387895 Candidate: 2 of 3 Period: 0.523 d



DV Fit Results:

Period = 0.52280 [0.00001] d
Epoch = 131.7462 [0.0014] BKJD
Rp/R* = 0.0084 [0.0023]
a/R* = 1.59 [1.61]
b = 0.89 [0.40]
Seff = 67096.26 [35525.91]
Teq = 4104 [543] K
Rp = 2.24 [1.02] Re
a = 0.0154 [0.0050] AU
Ag = 1.45 [1.95] [0.23σ]
Teffp = 6961 [2194] K [1.26σ]

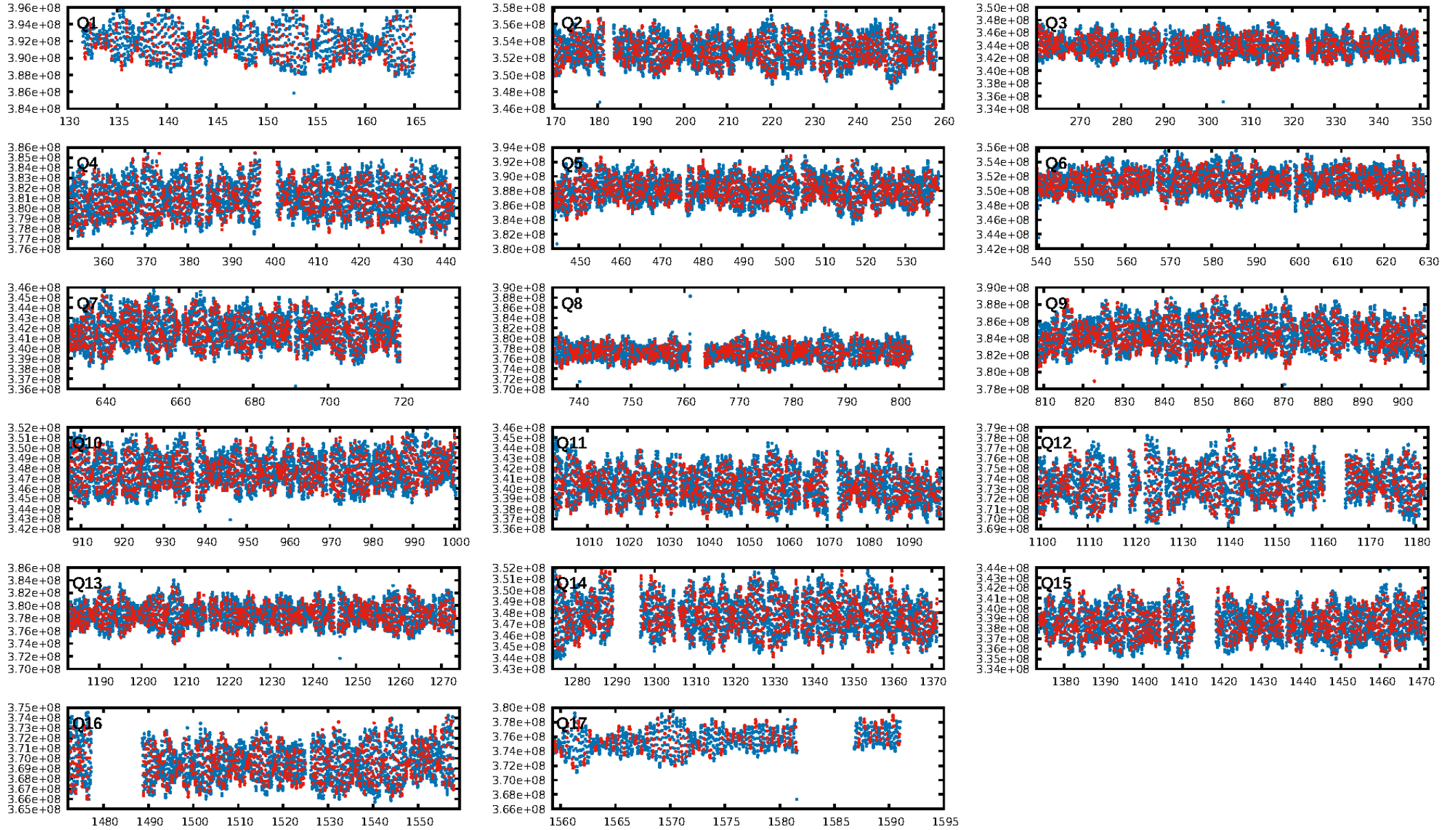
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.77 [1887/2441]
GhostDiagnostic-chr: 1.127
Centroid-sig: 0.0%
Centroid-so: 0.882 arcsec [2.46σ]
OotOffset-rm: 0.227 arcsec [3.00σ]
KicOffset-rm: 0.182 arcsec [2.11σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.76 [13/17]
DiffImageOverlap-fno: 0.00 [0/17]

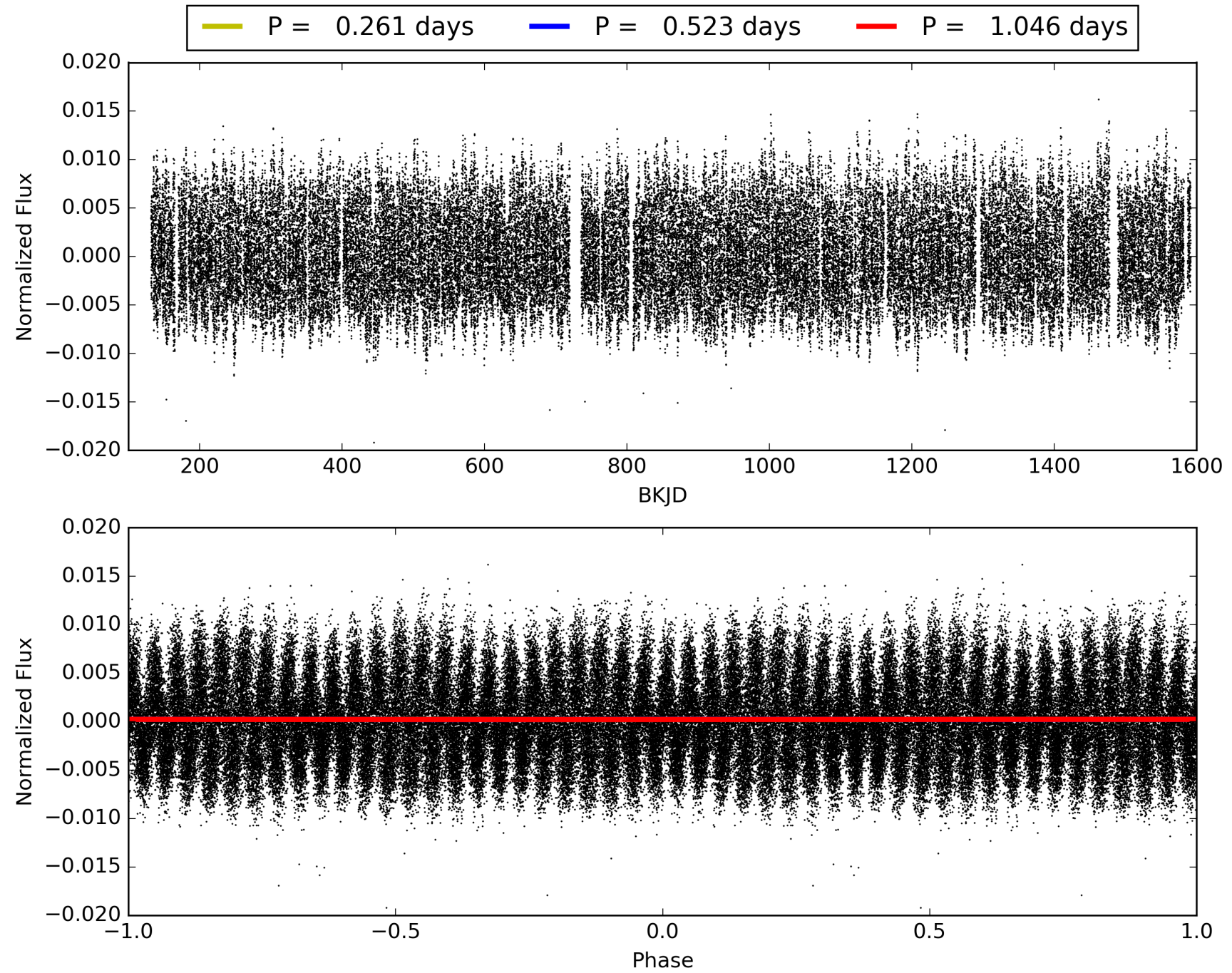
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 06:06:04 Z

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

TCE 006387895-02, PDC Light Curves

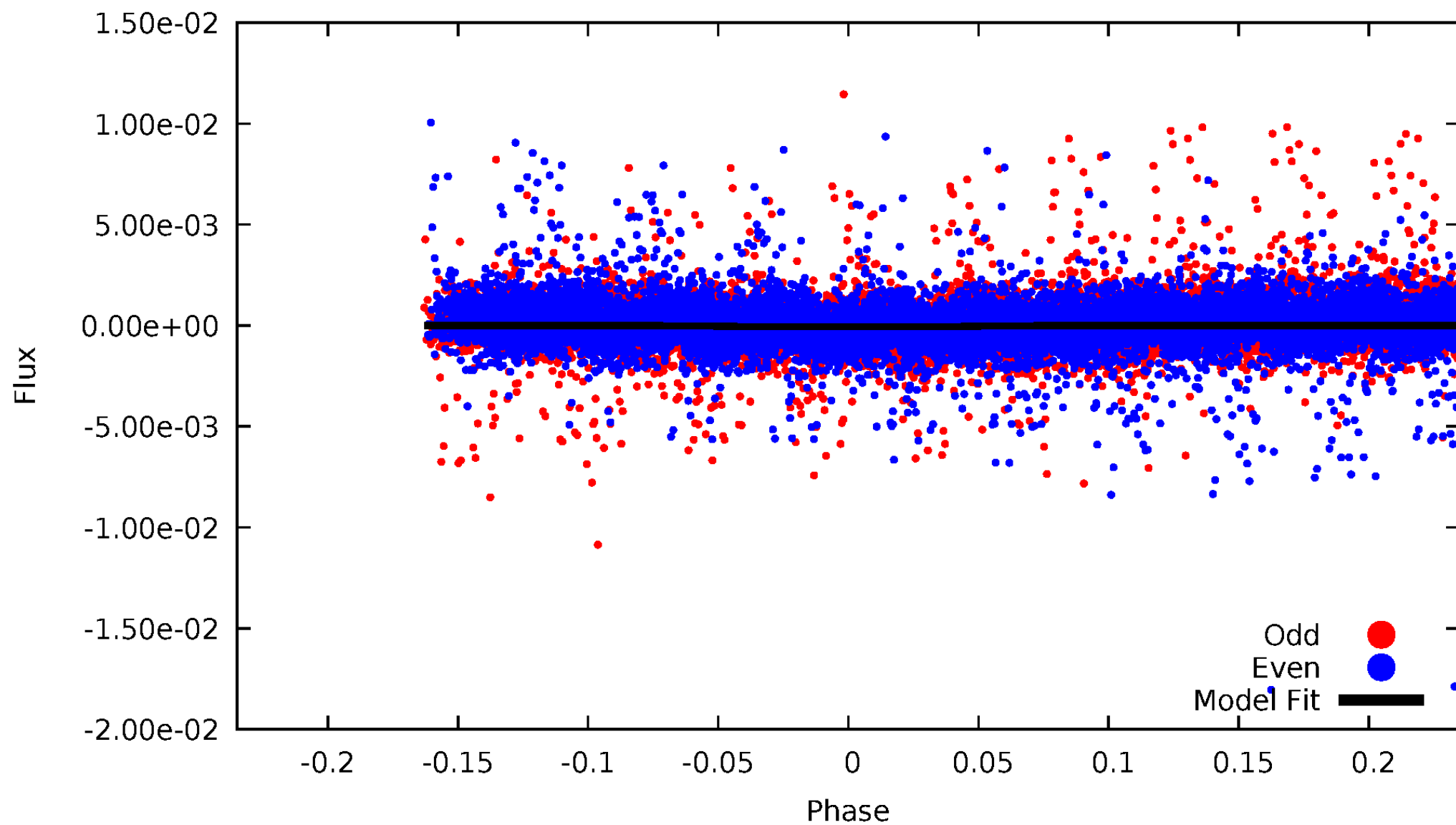


TCE 006387895-02



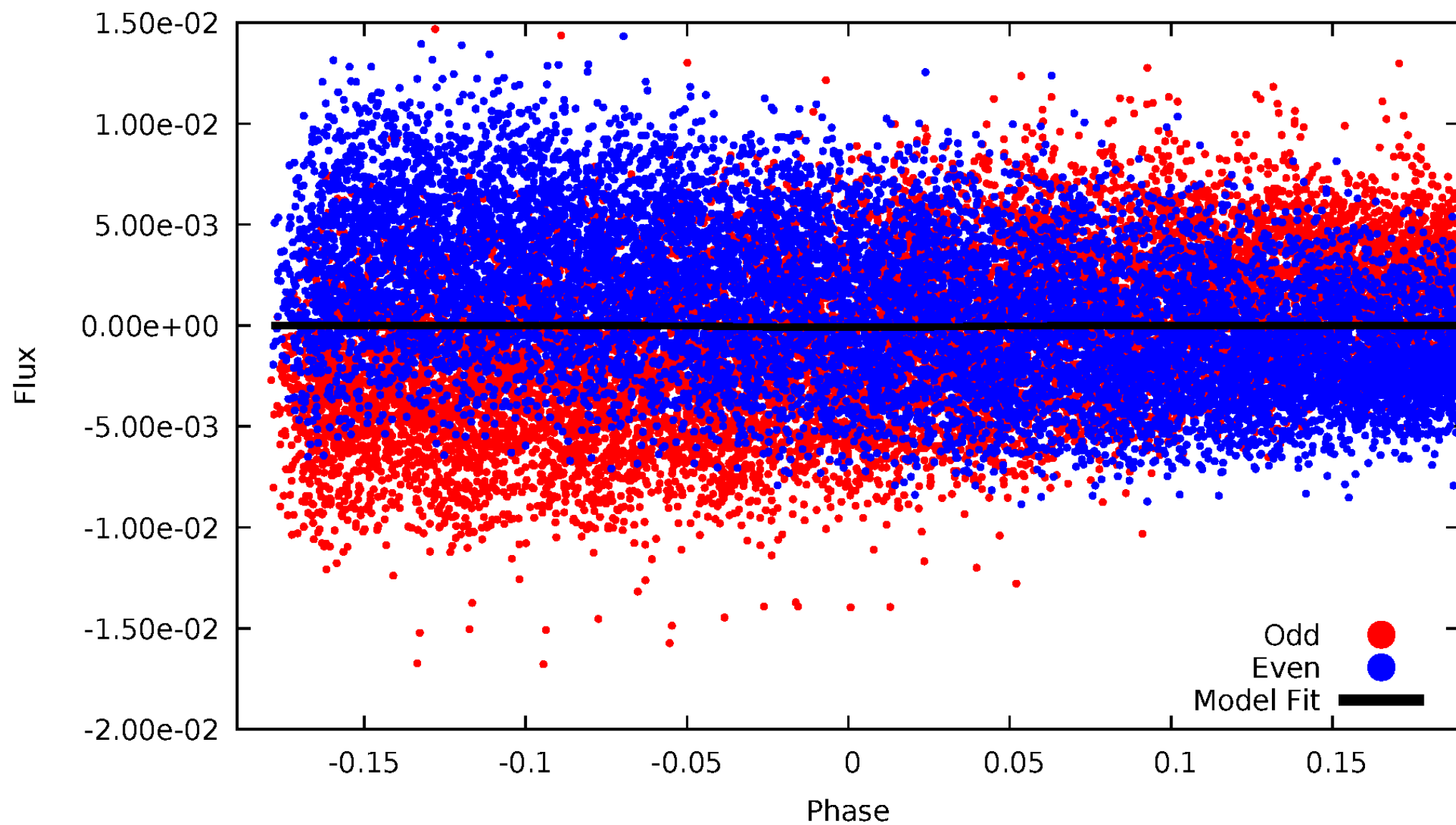
DV Odd/Even

TCE 006387895-02



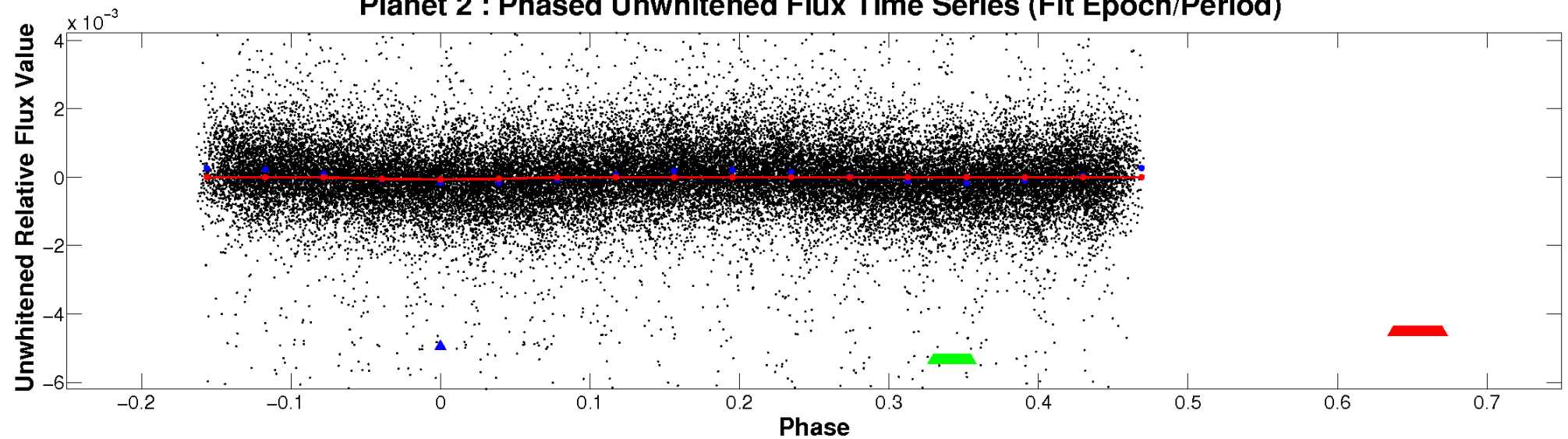
ALT Odd/Even

TCE 006387895-02

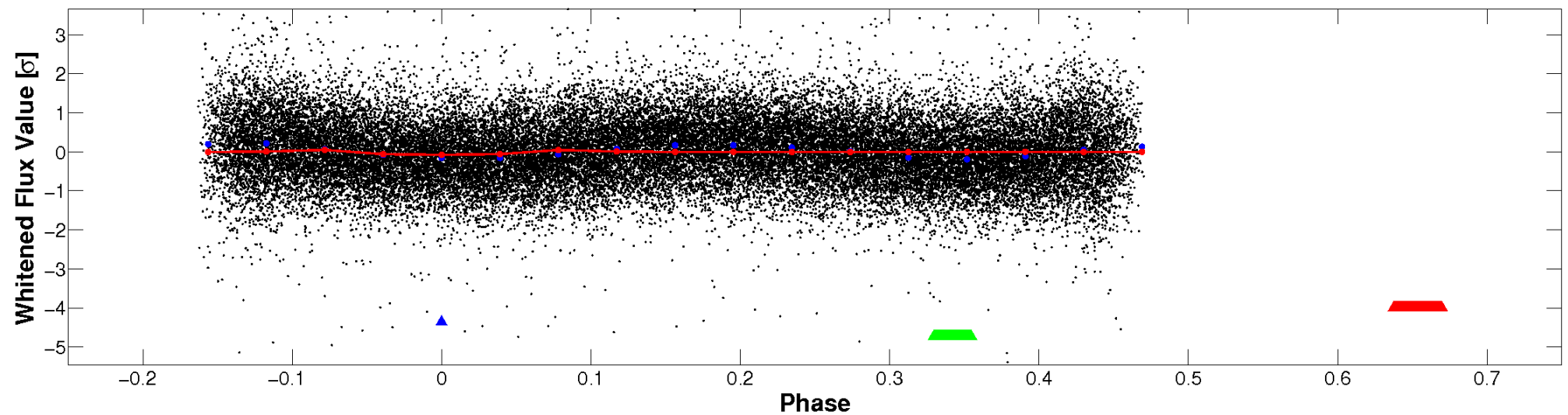


Non-Whitened Vs. Whitened Light Curve

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

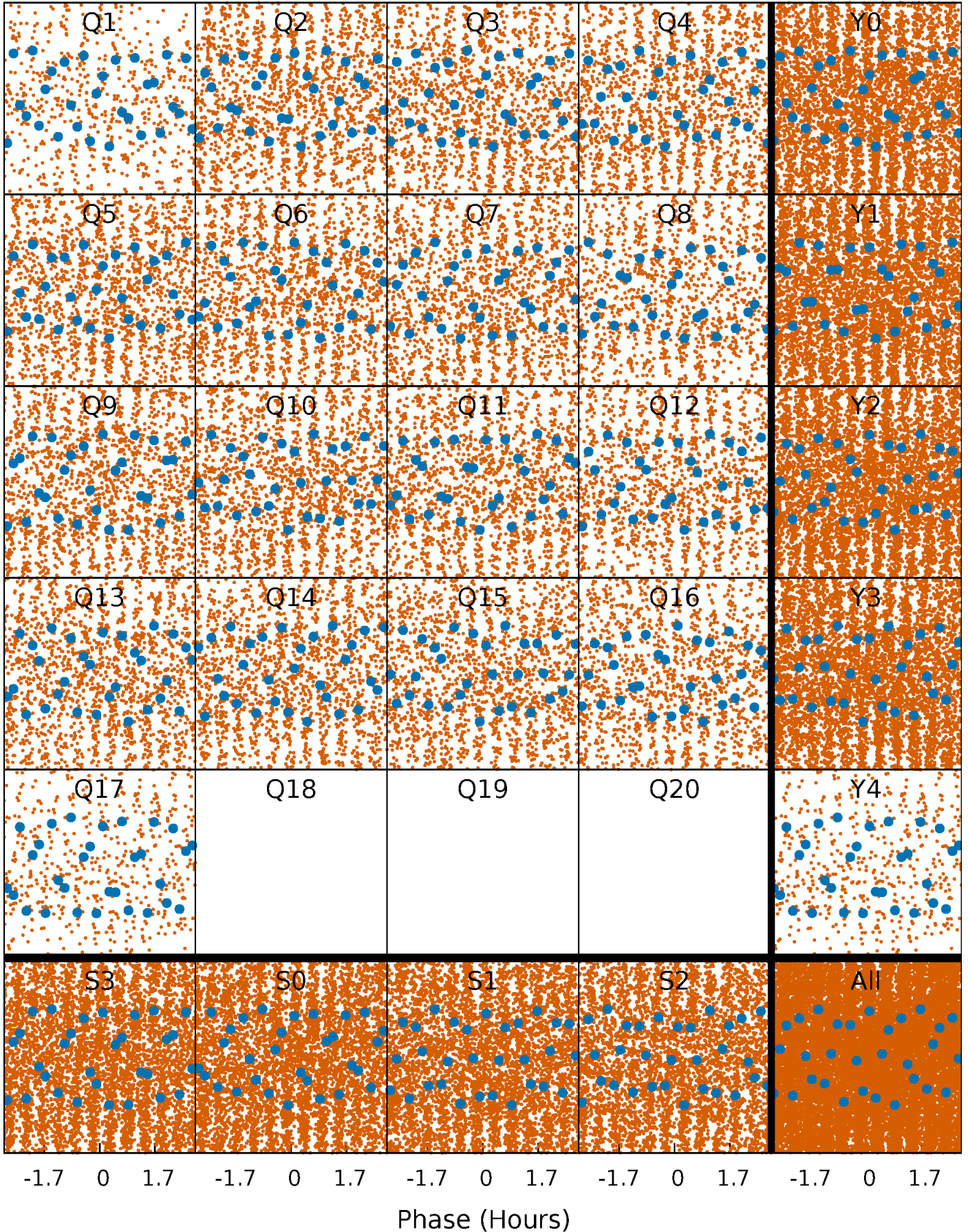


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



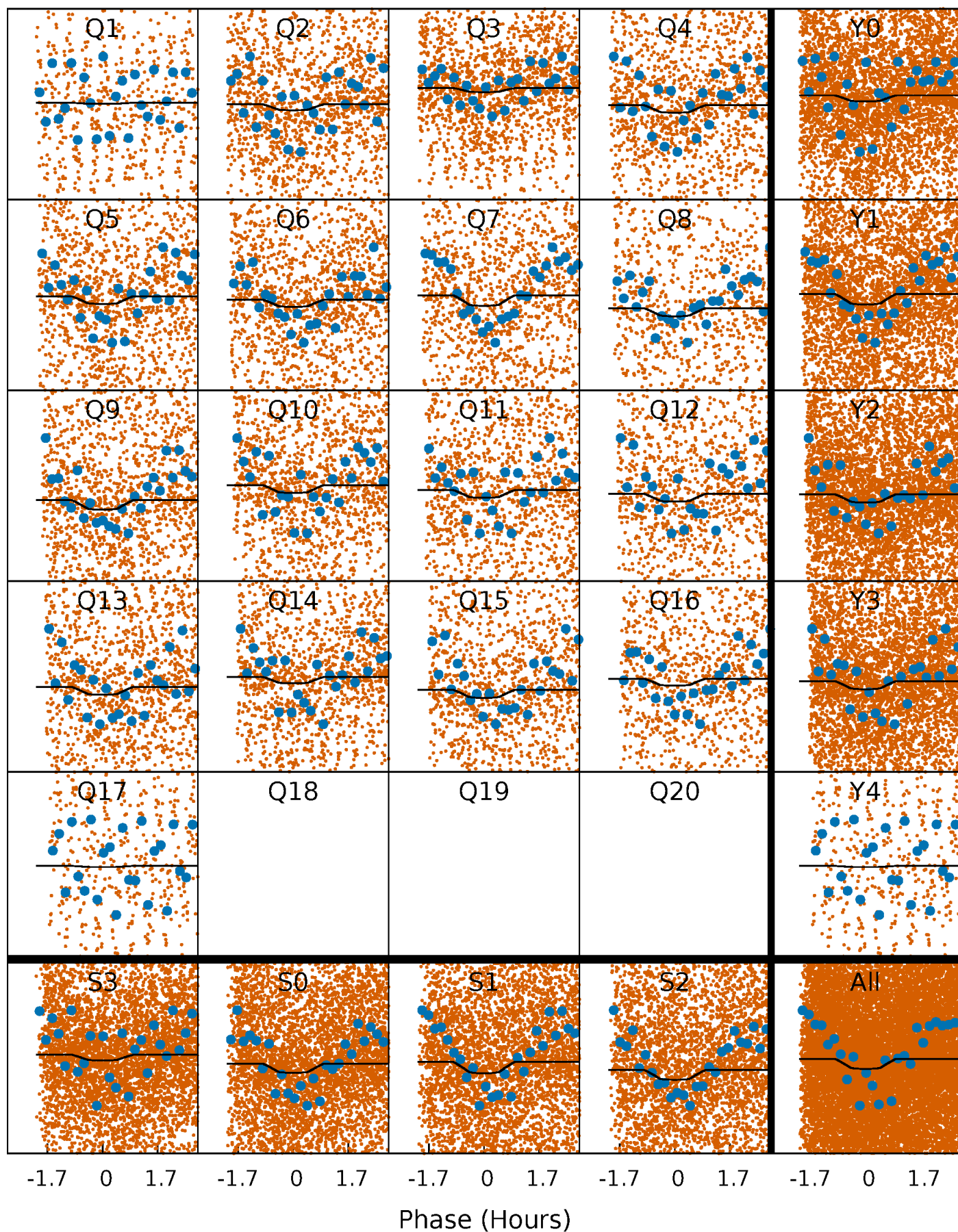
PDC Quarter-Phased Transit Curves

TCE 006387895-02 P= 0.522802 Days $T_0=131.746214$ (BKJD)



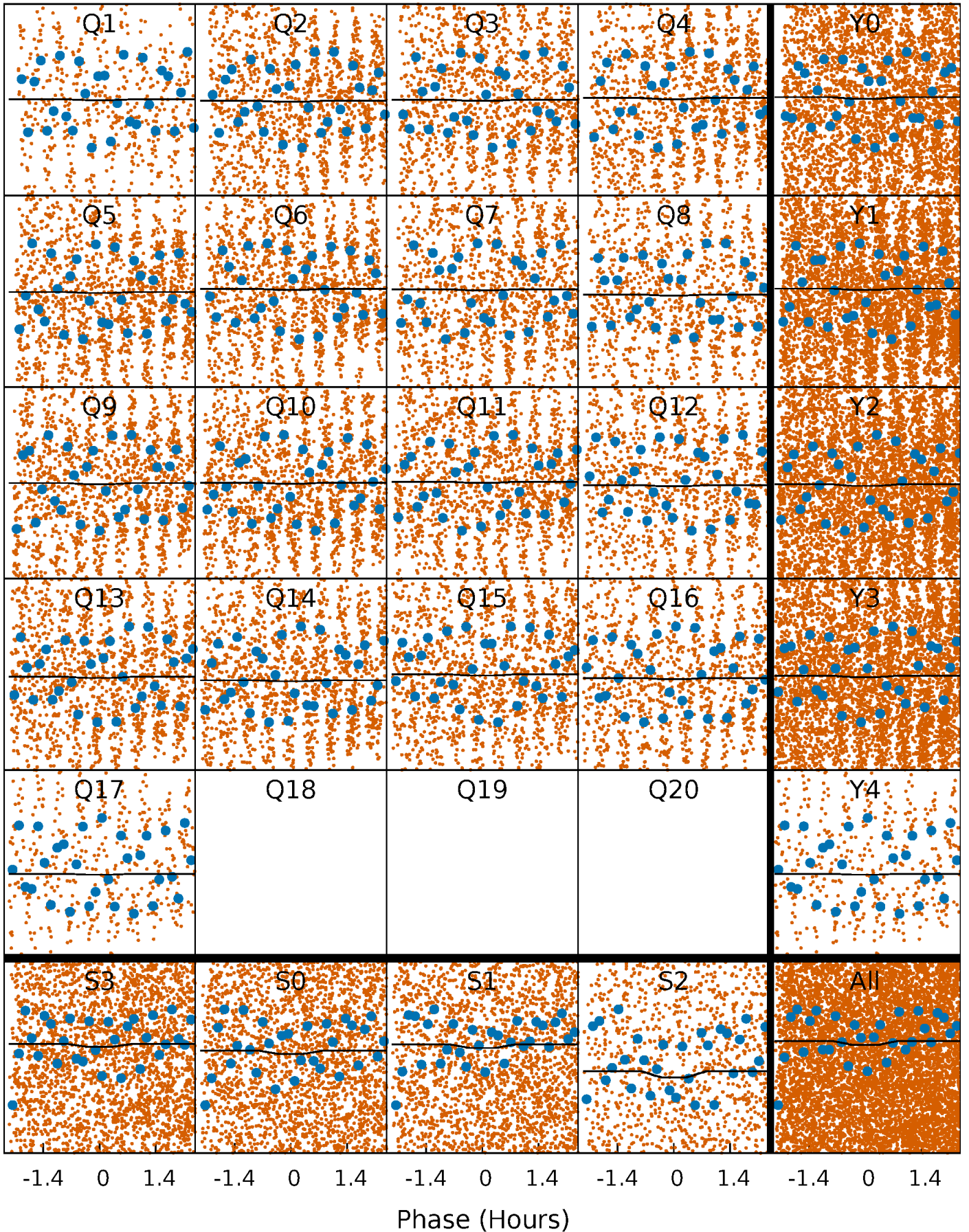
DV Quarter-Phased Transit Curves

TCE 006387895-02 P= 0.522802 Days $T_0=131.746214$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

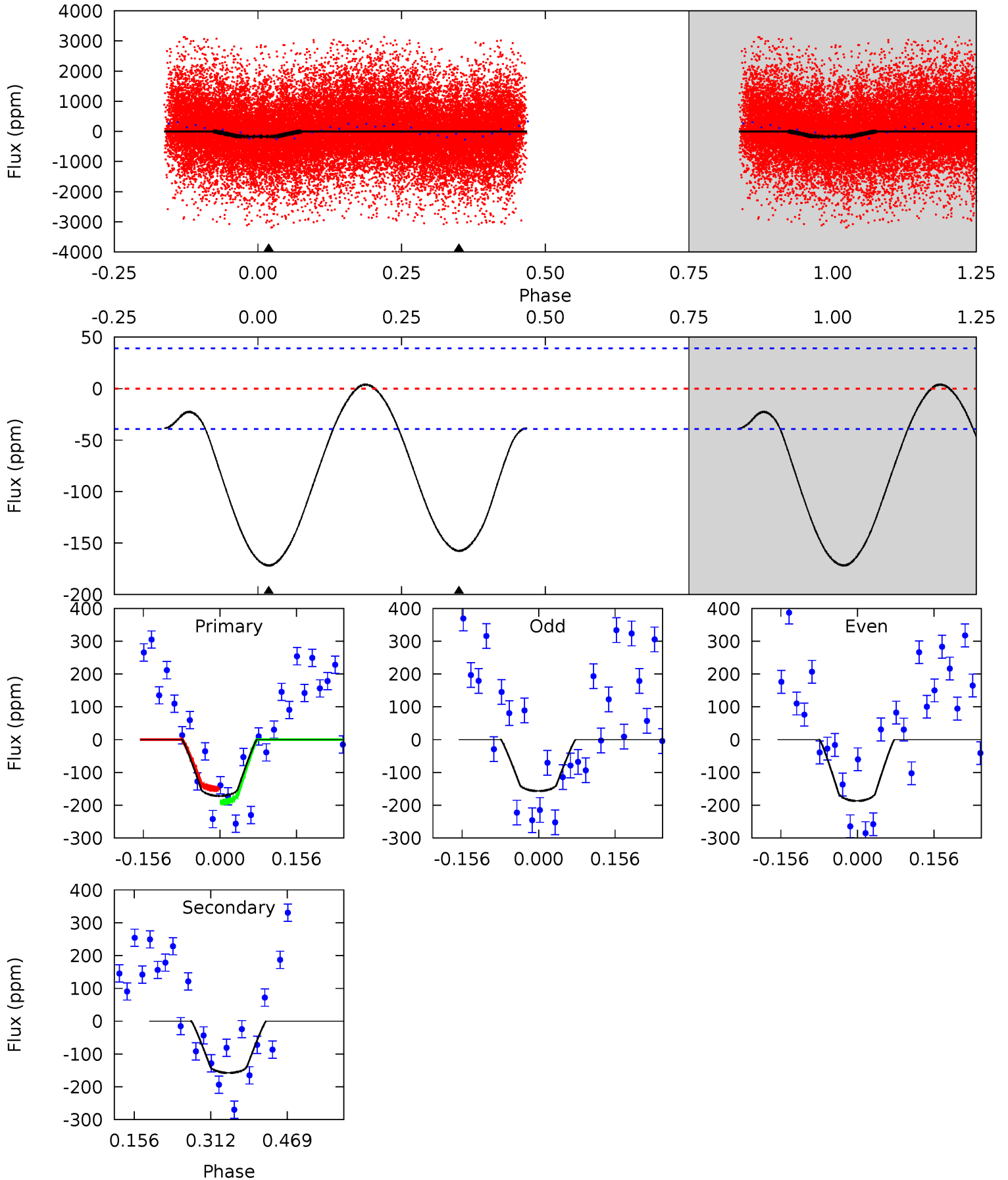
TCE 006387895-02 P= 0.522811 Days $T_0=131.744484$ (BKJD)



DV Model-Shift Uniqueness Test

006387895-02, P = 0.522802 Days, E = 131.223412 Days

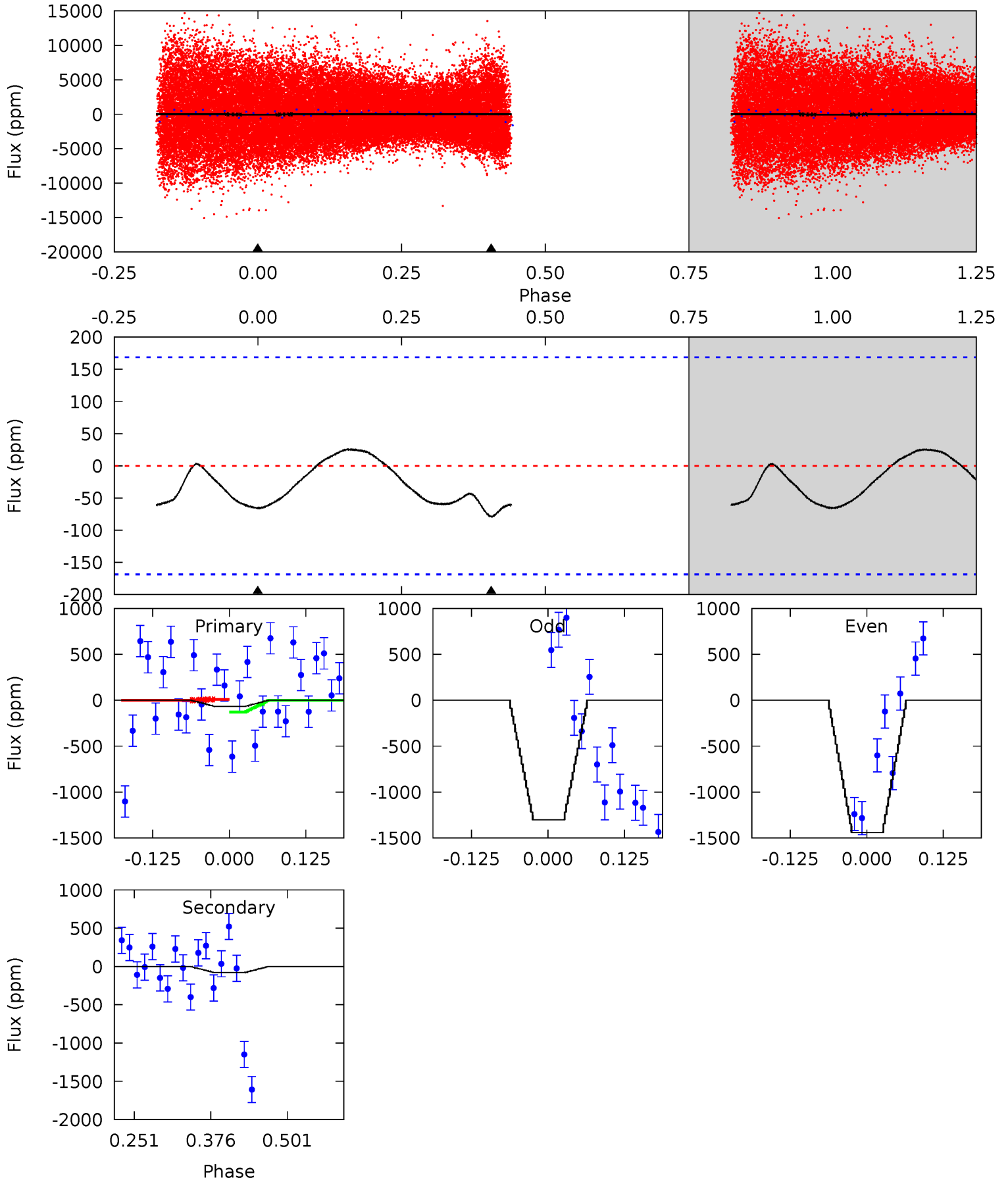
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.6	18.0	0	0	4.47	1.42	1.74	19.6	19.6	18.0	18.0	1.74	1.16	0.02	2.36



Alt Model-Shift Uniqueness Test

006387895-02, P = 0.522811 Days, E = 131.221673 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
1.78	2.13	0	0	4.52	1.53	0.79	1.78	1.78	2.13	2.13	1.97	0.29	0.25	1.54



Stellar Parameters For KIC 006387895

	$T_{\text{eff}} (K)$	$\log(g)$	$[\text{Fe}/\text{H}]$	$R (R_{\odot})$	$M (M_{\odot})$	$\rho_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+230}_{-307}	$3.910^{+0.287}_{-0.123}$	$-0.040^{+0.200}_{-0.350}$	$2.444^{+0.477}_{-0.887}$	$1.770^{+0.193}_{-0.386}$	$0.171^{+0.347}_{-0.065}$
	+3%/-4%	+7%/-3%	+500%/-875%	+20%/-36%	+11%/-22%	+203%/-38%
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 006387895-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-158 ± 9	$2.15^{+0.70}_{-0.68}$	5637^{+399}_{-494}	9240^{+2691}_{-1497}	$4.463^{+4.768}_{-1.935}$
Alt.	-79 ± 37	$2.03^{+0.72}_{-0.66}$	5623^{+431}_{-535}	7462^{+2518}_{-1859}	$2.399^{+3.743}_{-1.452}$

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

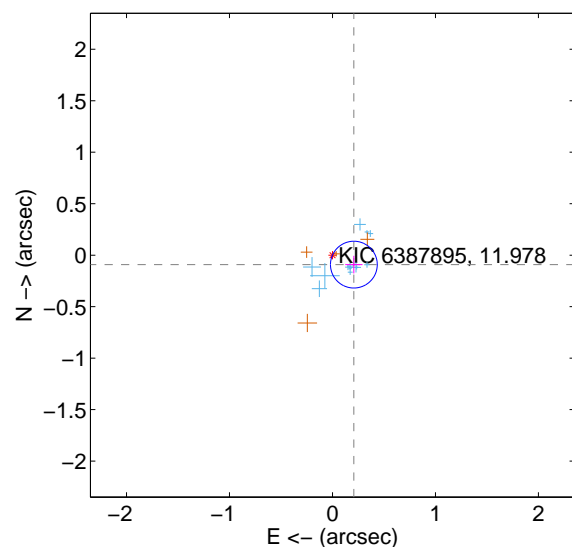
Supplemental centroid analysis for 006387895-02. **Kepler magnitude: 11.98.** Transit SNR 7.11

There are 13 quarters with good PRF difference image offsets

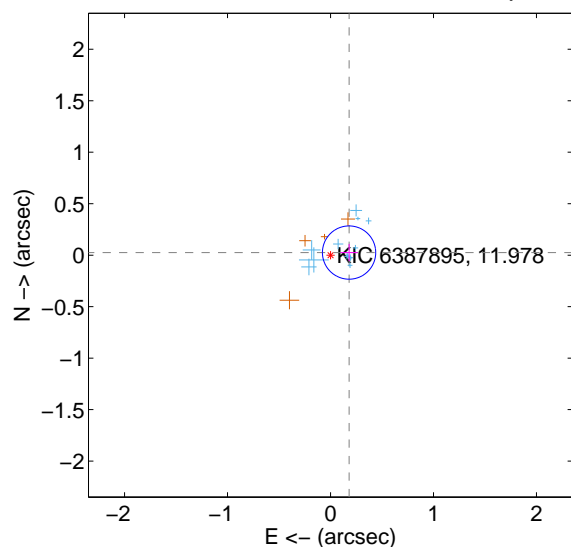
The direct PRF centroid is offset from the target star catalog position by about 0.19 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.227 ± 0.076	3.00	-0.208 ± 0.084	-0.092 ± 0.085
PRF-fit source offset from KIC position	0.182 ± 0.086	2.11	-0.180 ± 0.084	0.025 ± 0.084
photometric centroid source offset	0.88 ± 0.36	2.46	-0.47 ± 0.48	-0.75 ± 0.30

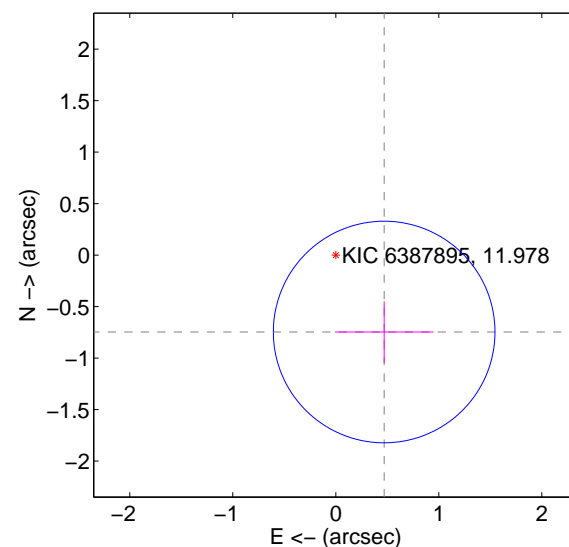
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

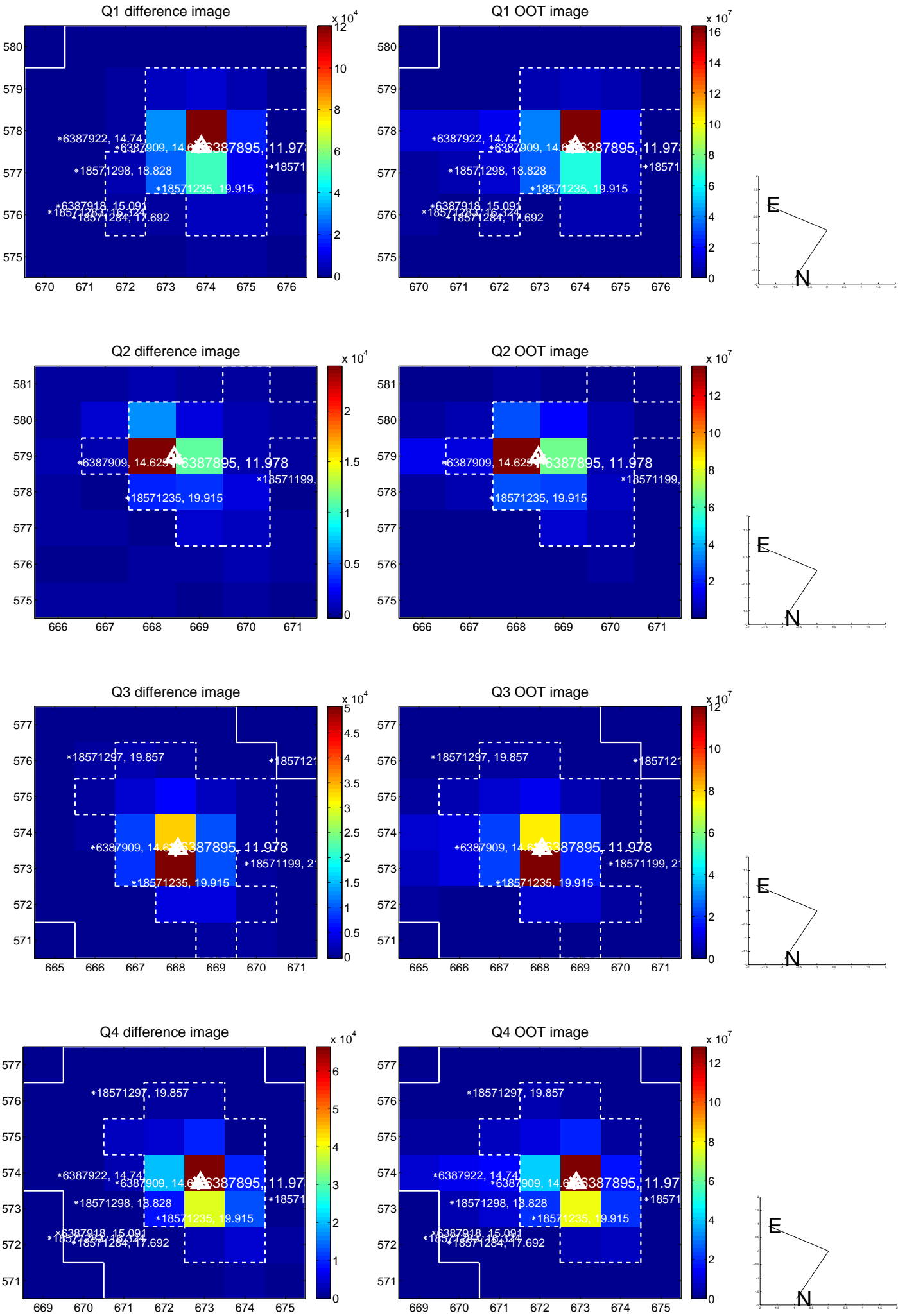


offset from photometric centroids

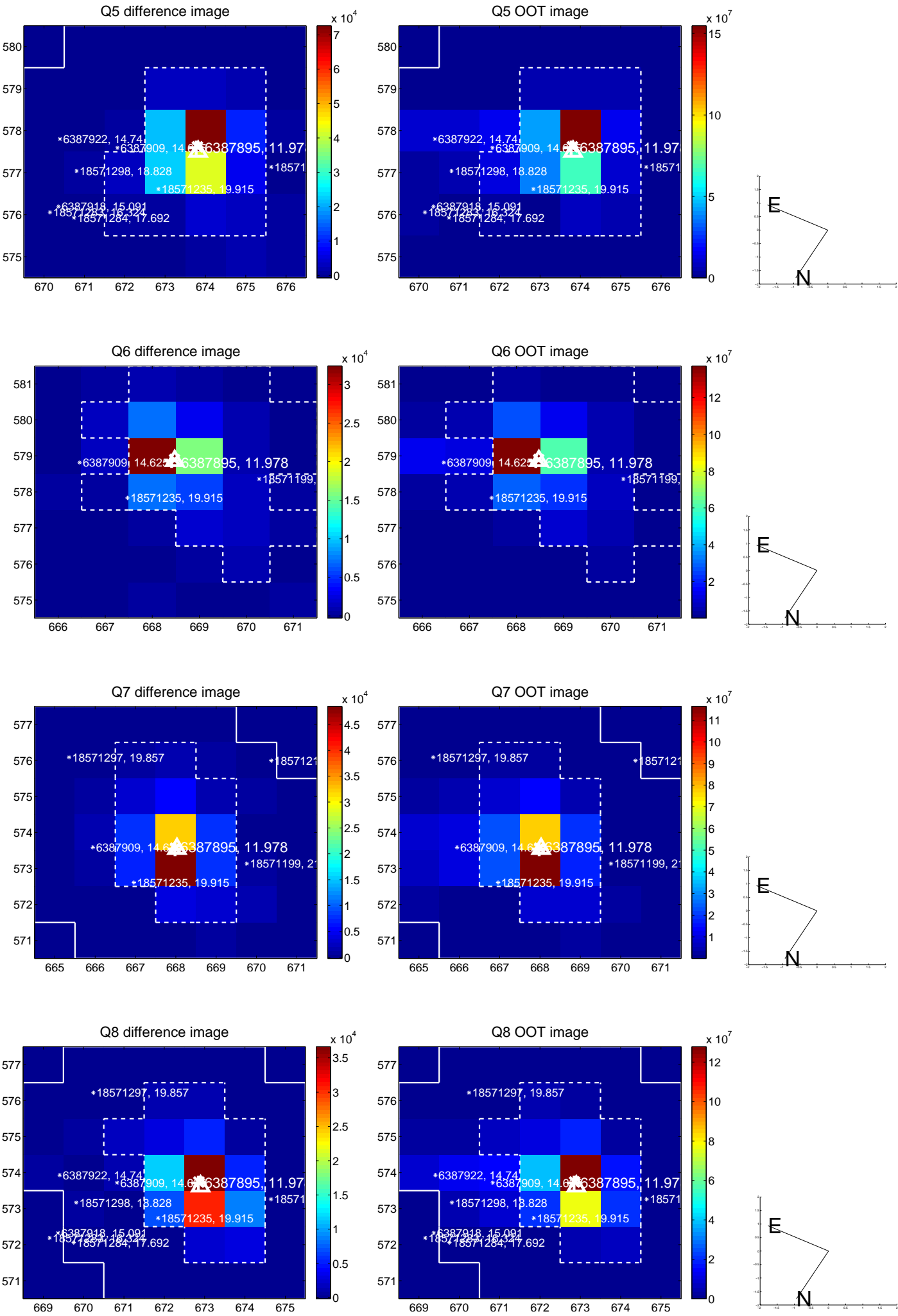


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

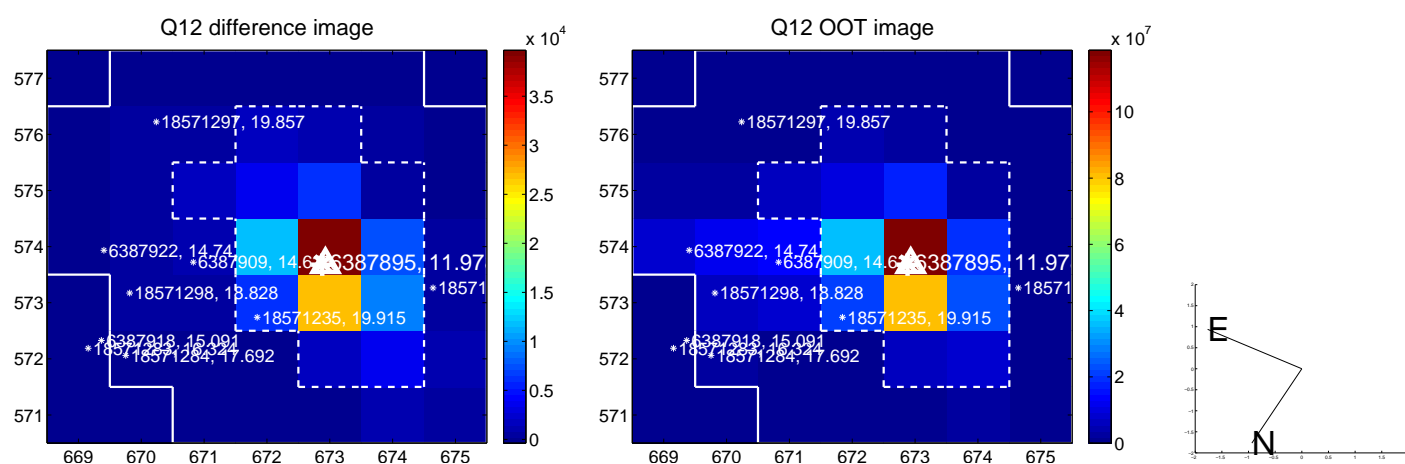
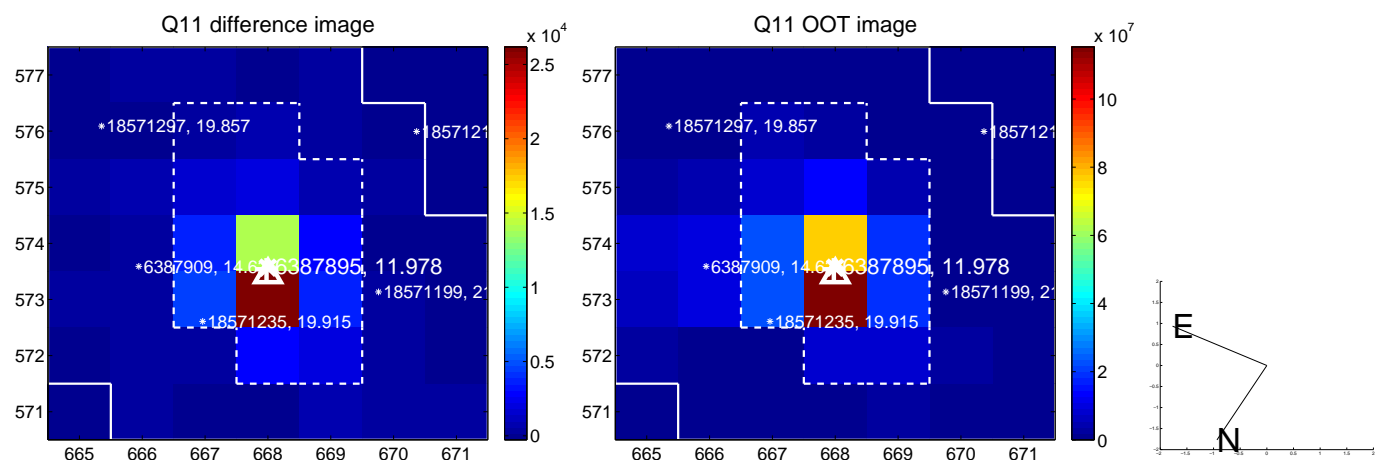
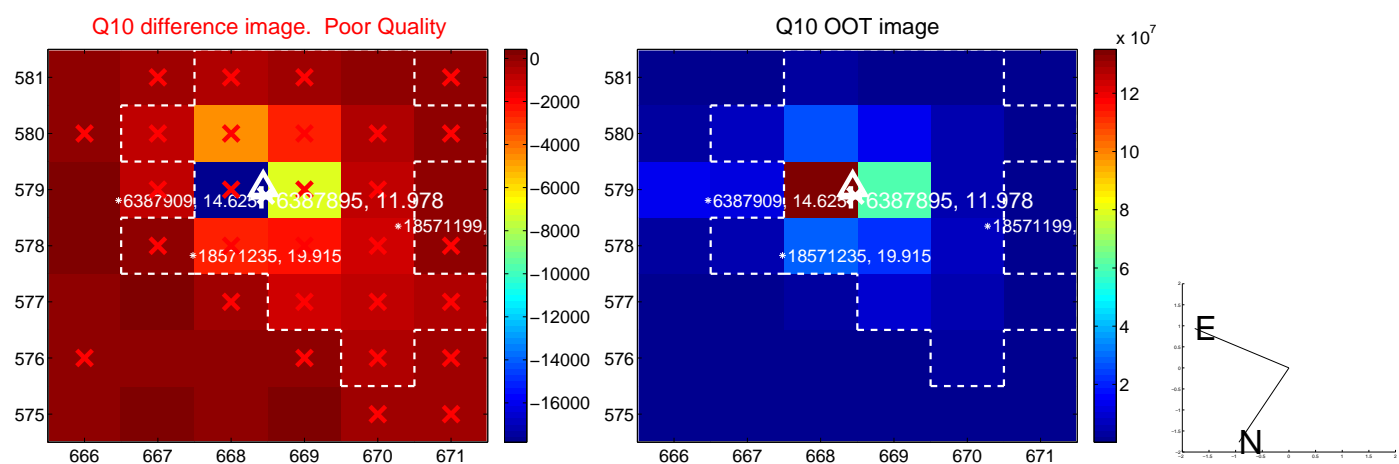
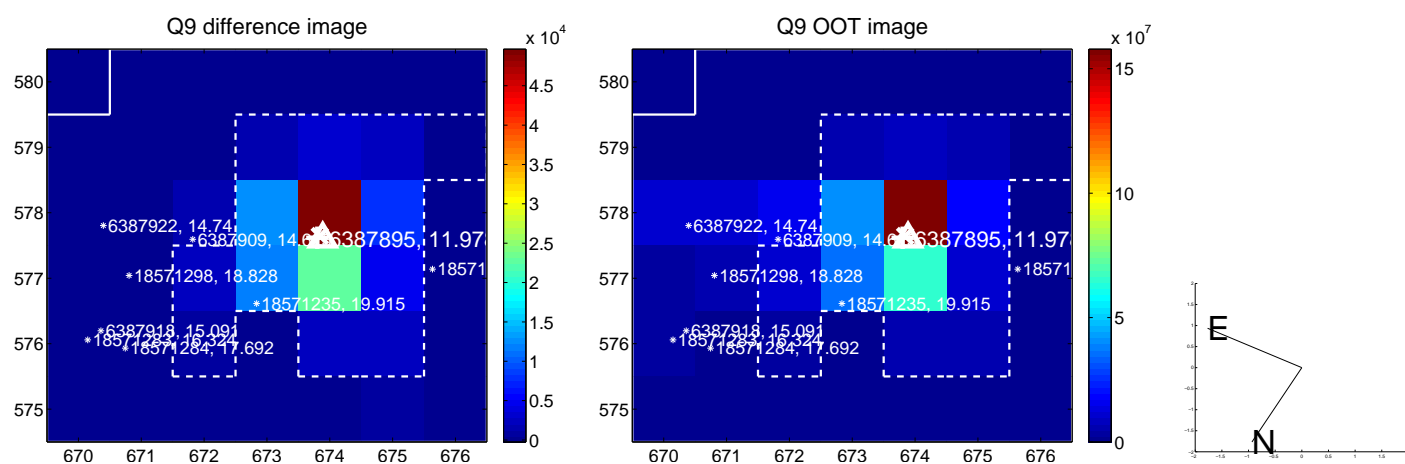
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



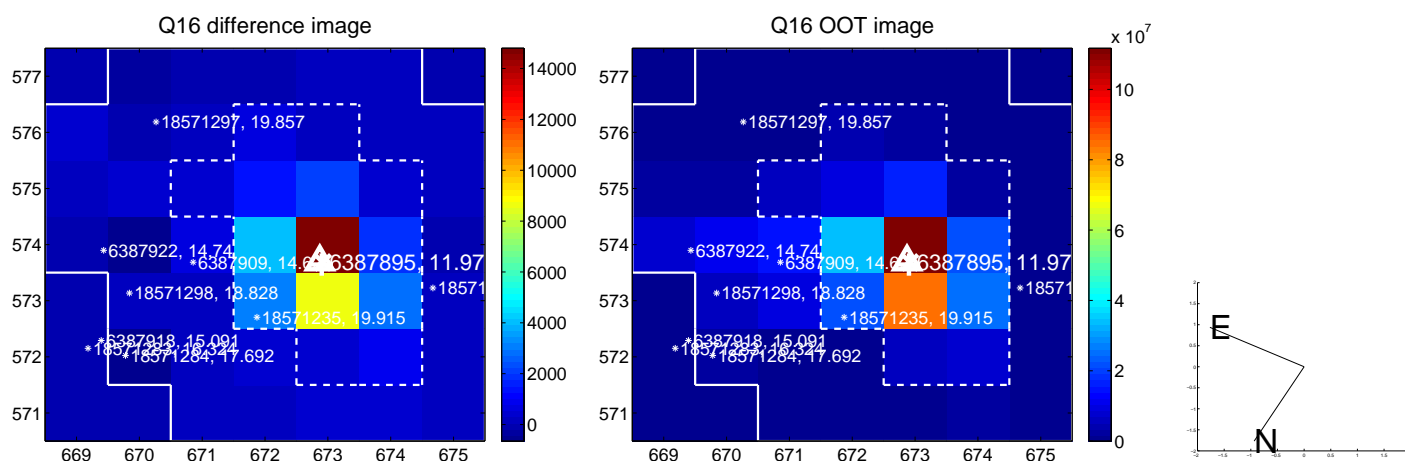
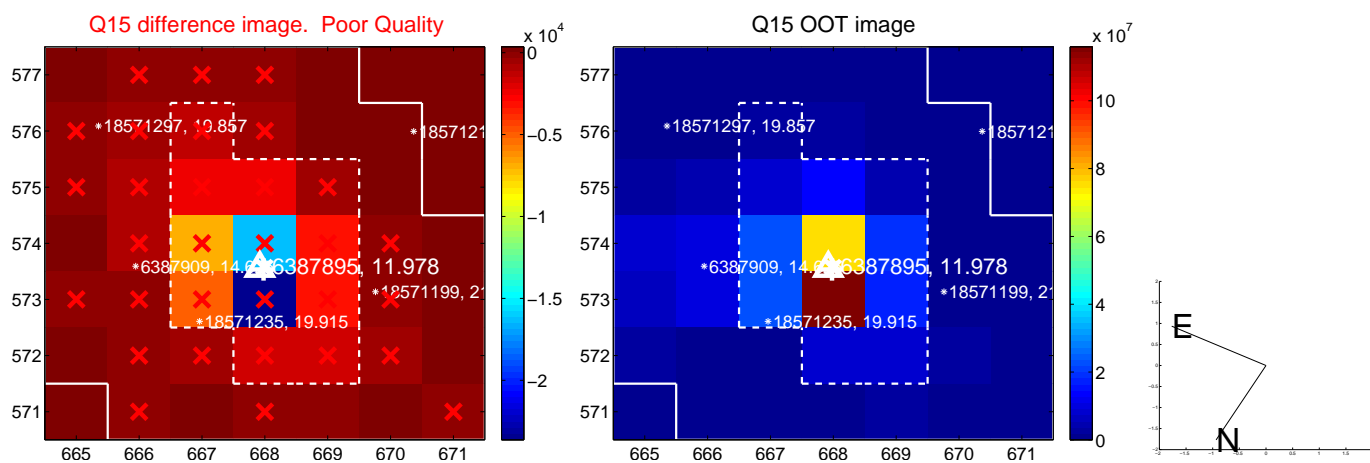
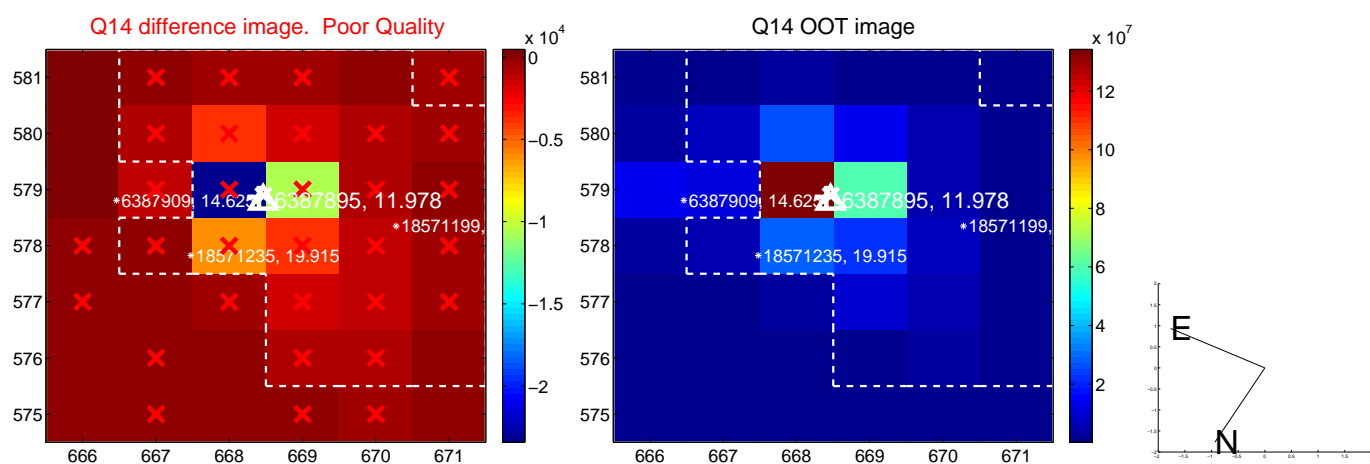
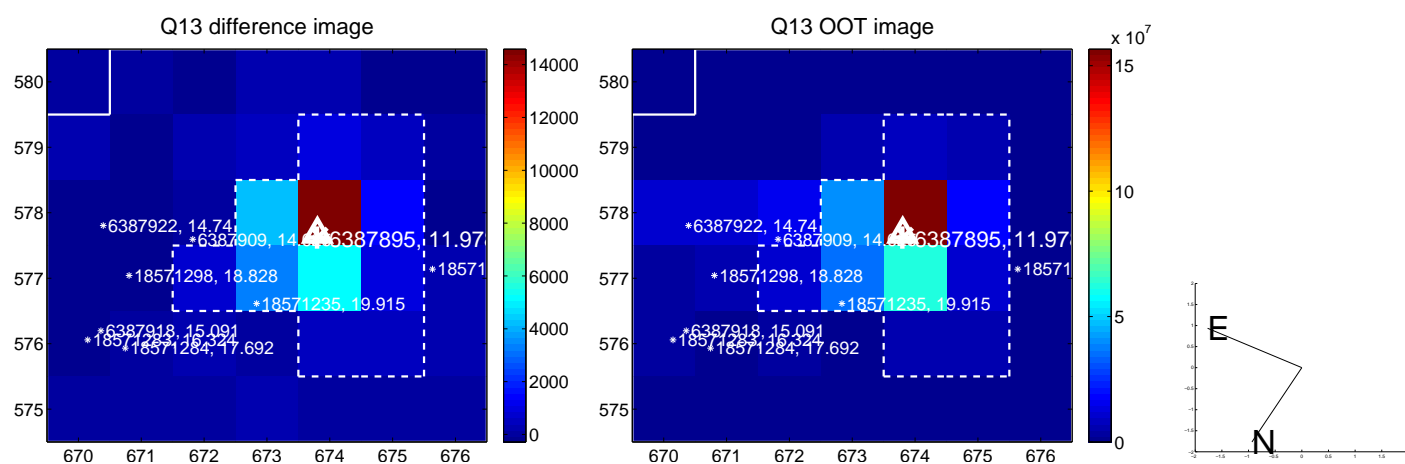
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



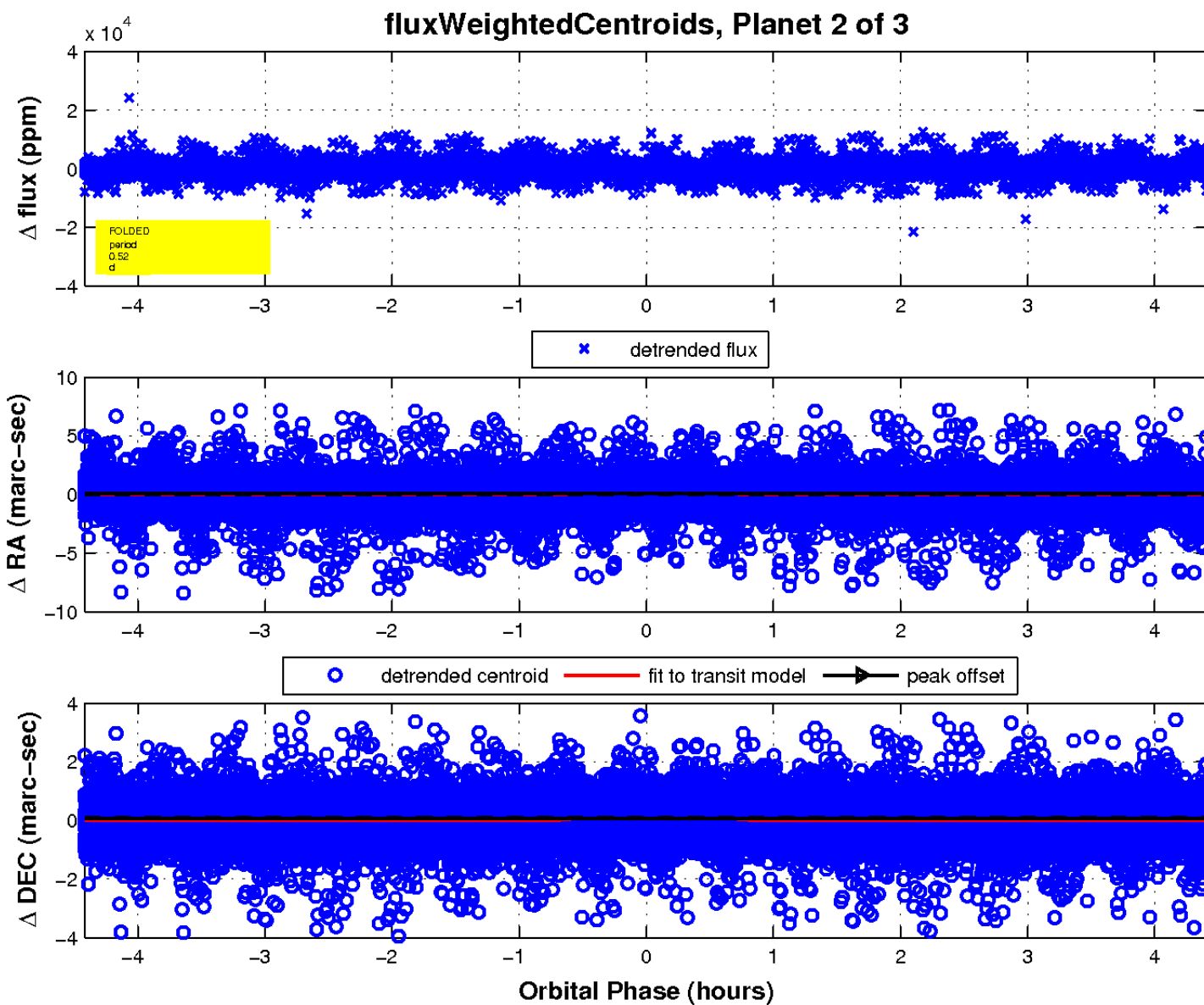
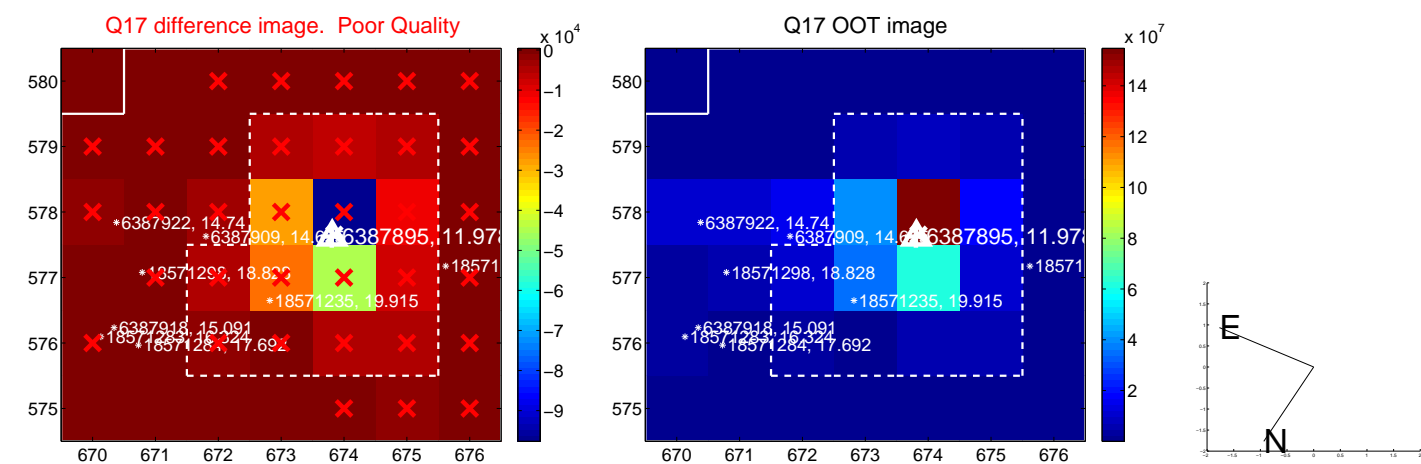
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

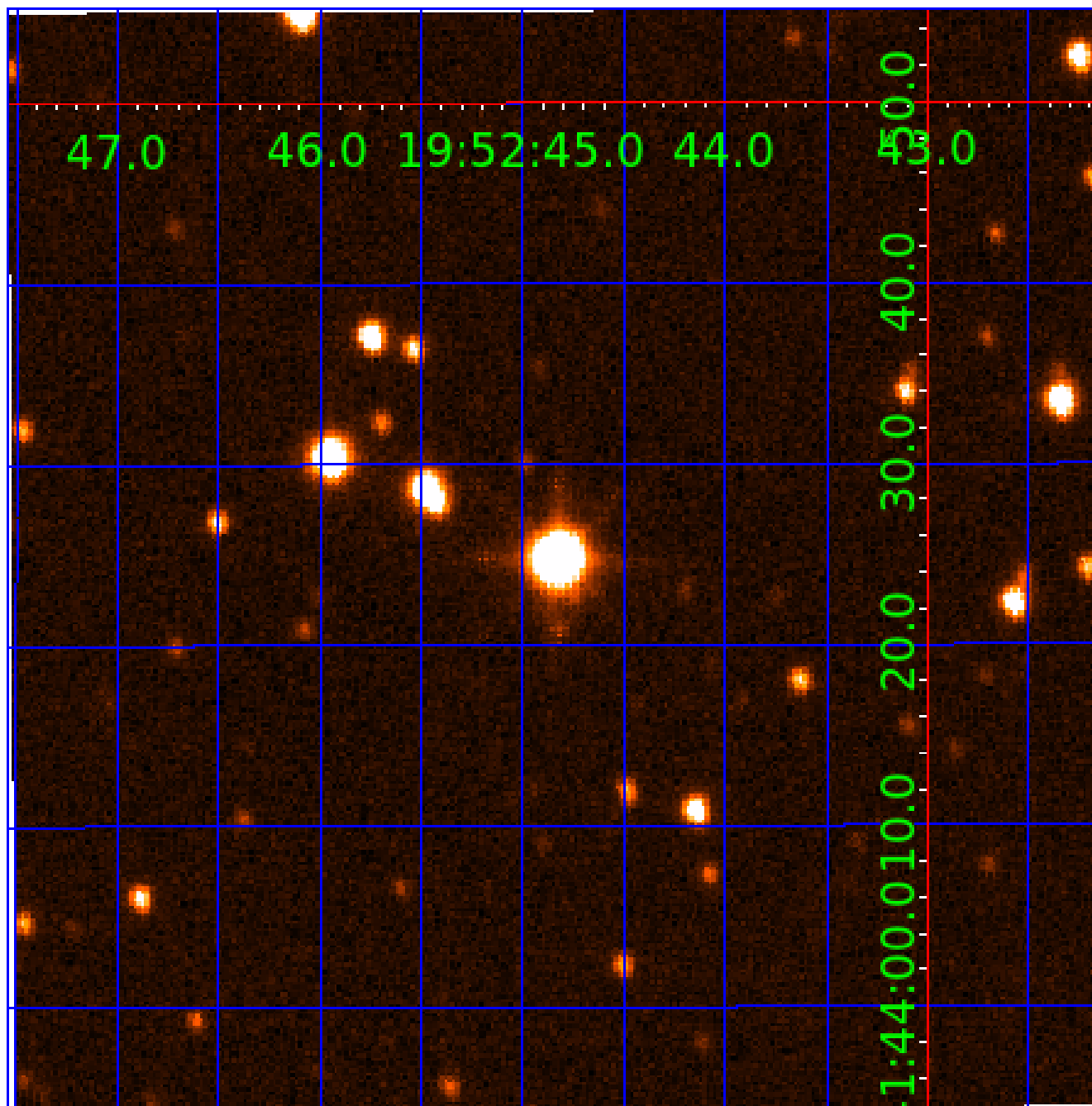


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 006387895

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})
006387895-01	OBS	No	0.522808	131.556685	37.8	1.357	9.9	5.6	2.44	7377	1.75	67095.23
006387895-02	OBS	No	0.522802	131.746214	63.3	1.473	11.0	7.1	2.44	7377	2.24	67096.26
006387895-03	OBS	No	0.522806	131.918550	196.4	2.771	12.4	14.9	2.44	7377	4.64	67095.46

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006387895-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
006387895-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
006387895-03	OBS	FP	0.00	1	0	1	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—SAME_NTL_PERIOD—HALO_GHOST

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

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

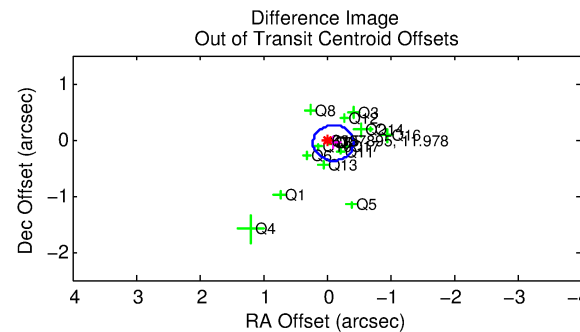
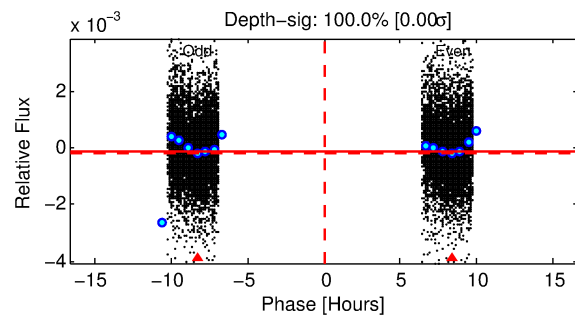
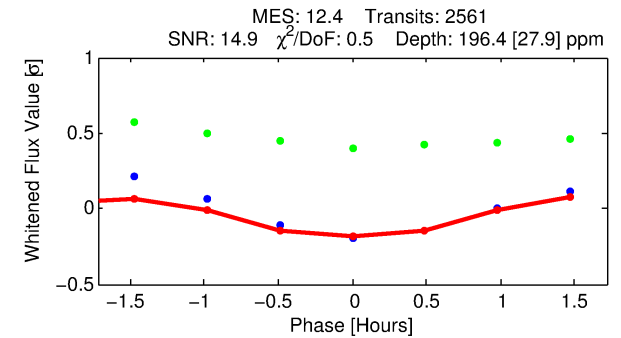
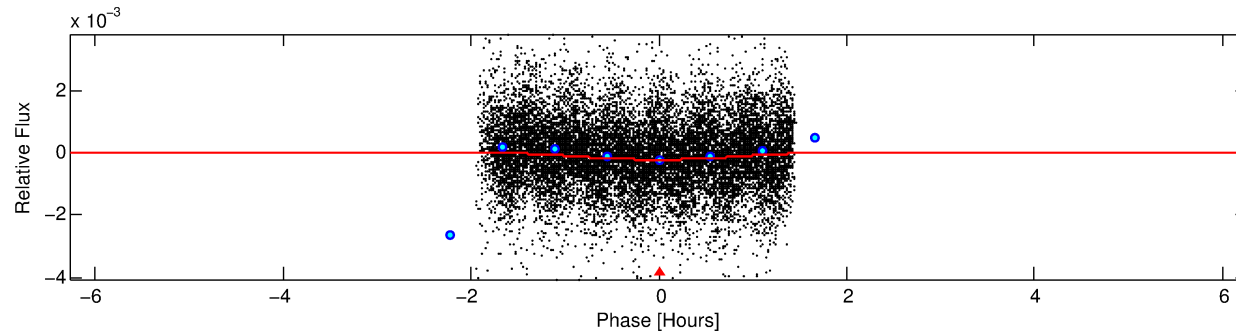
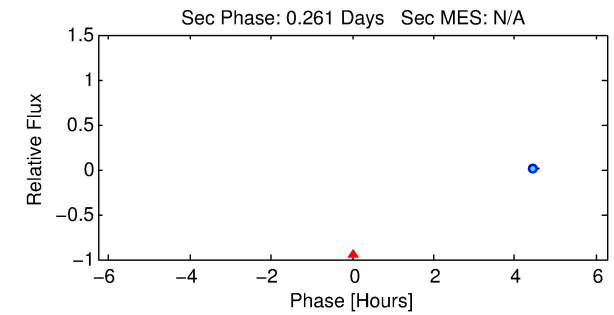
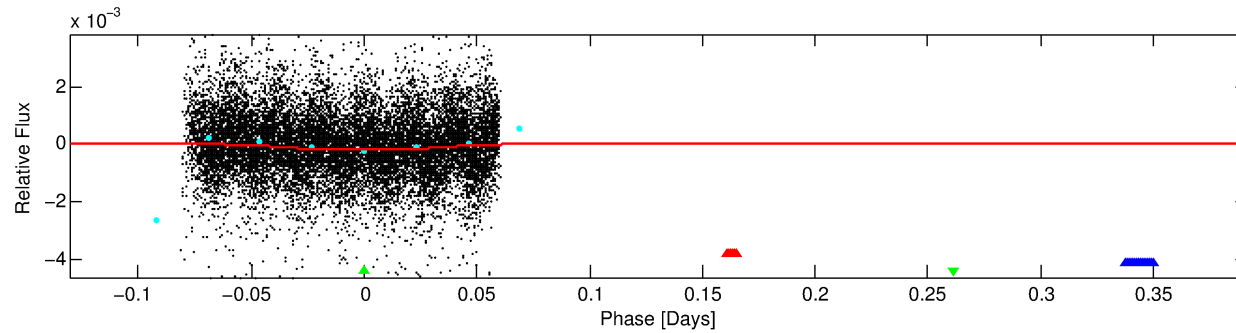
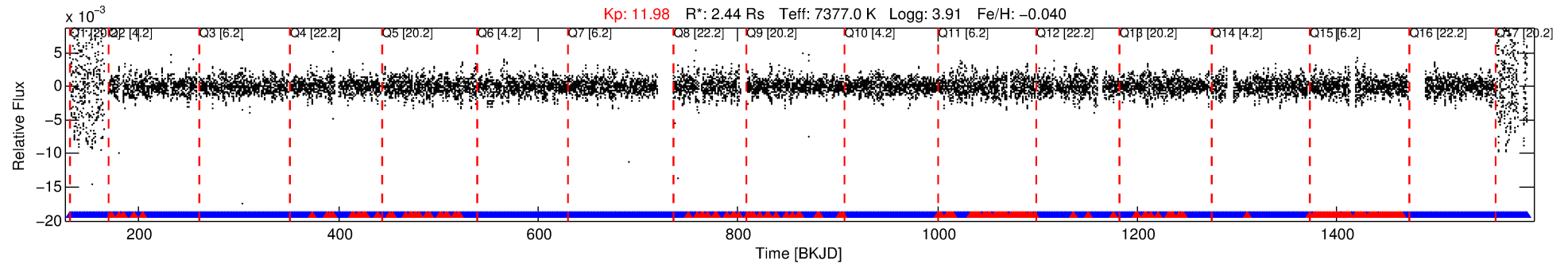
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006387895-03

No Significant Match Found

DV One-Page Summary

KIC: 6387895 Candidate: 3 of 3 Period: 0.523 d



DV Fit Results:

Period = 0.52281 [0.00001] d
Epoch = 131.9186 [0.0013] BKJD
Rp/R* = 0.0174 [0.0018]
a/R* = 1.06 [0.01]
b = 0.98 [0.00]
Seff = 67095.46 [35525.49]
Teq = 4104 [543] K
Rp = 4.64 [1.75] Re
a = 0.0154 [0.0050] AU

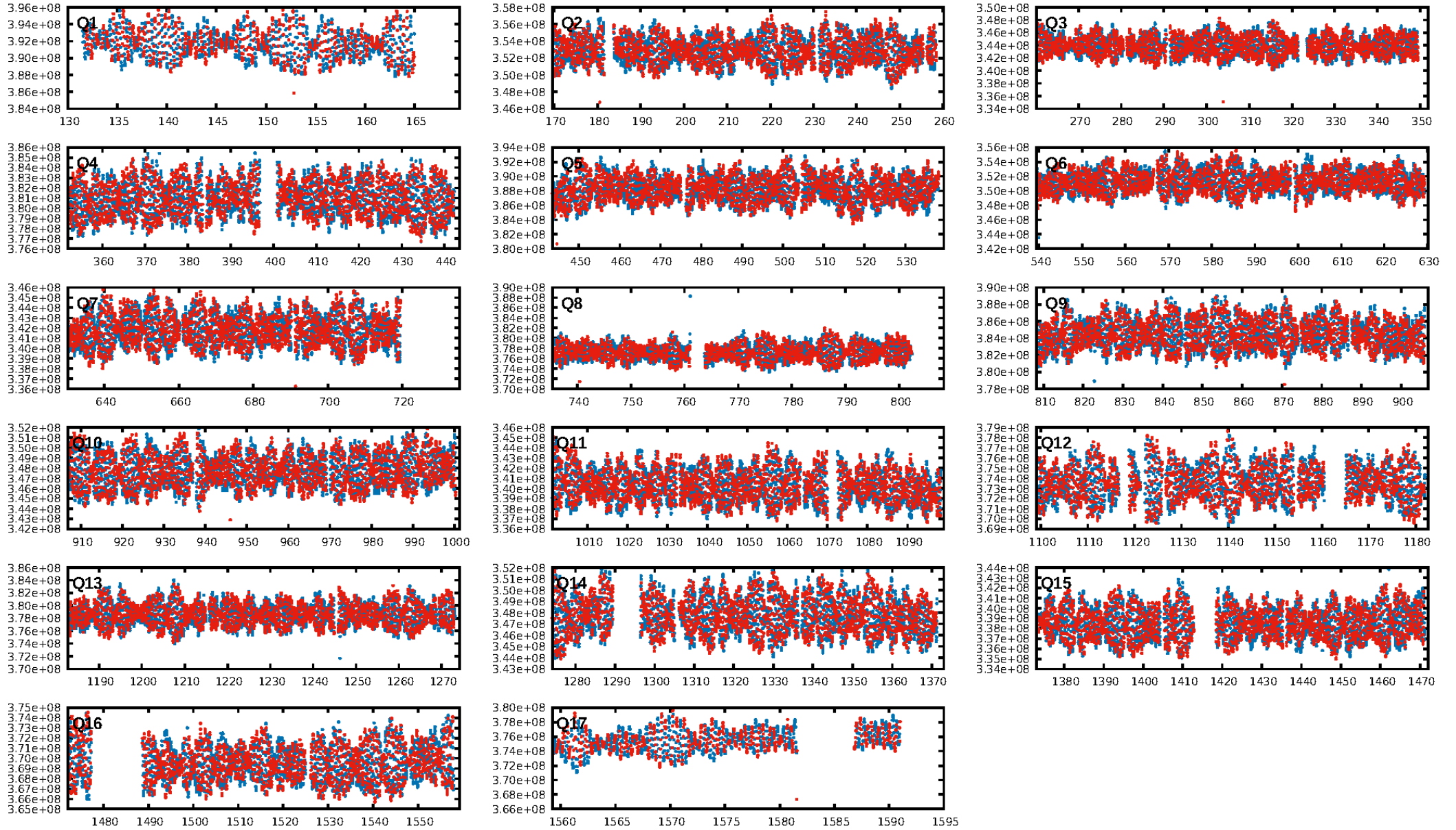
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGoF-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.90 [2199/2447]
GhostDiagnostic-chr: -0.1184
Centroid-sig: 0.2%
Centroid-so: 0.484 arcsec [3.43σ]
OotOffset-rm: 0.117 arcsec [1.11σ]
KicOffset-rm: 0.115 arcsec [0.65σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.88 [15/17]
DiffImageOverlap-fno: 0.00 [0/17]

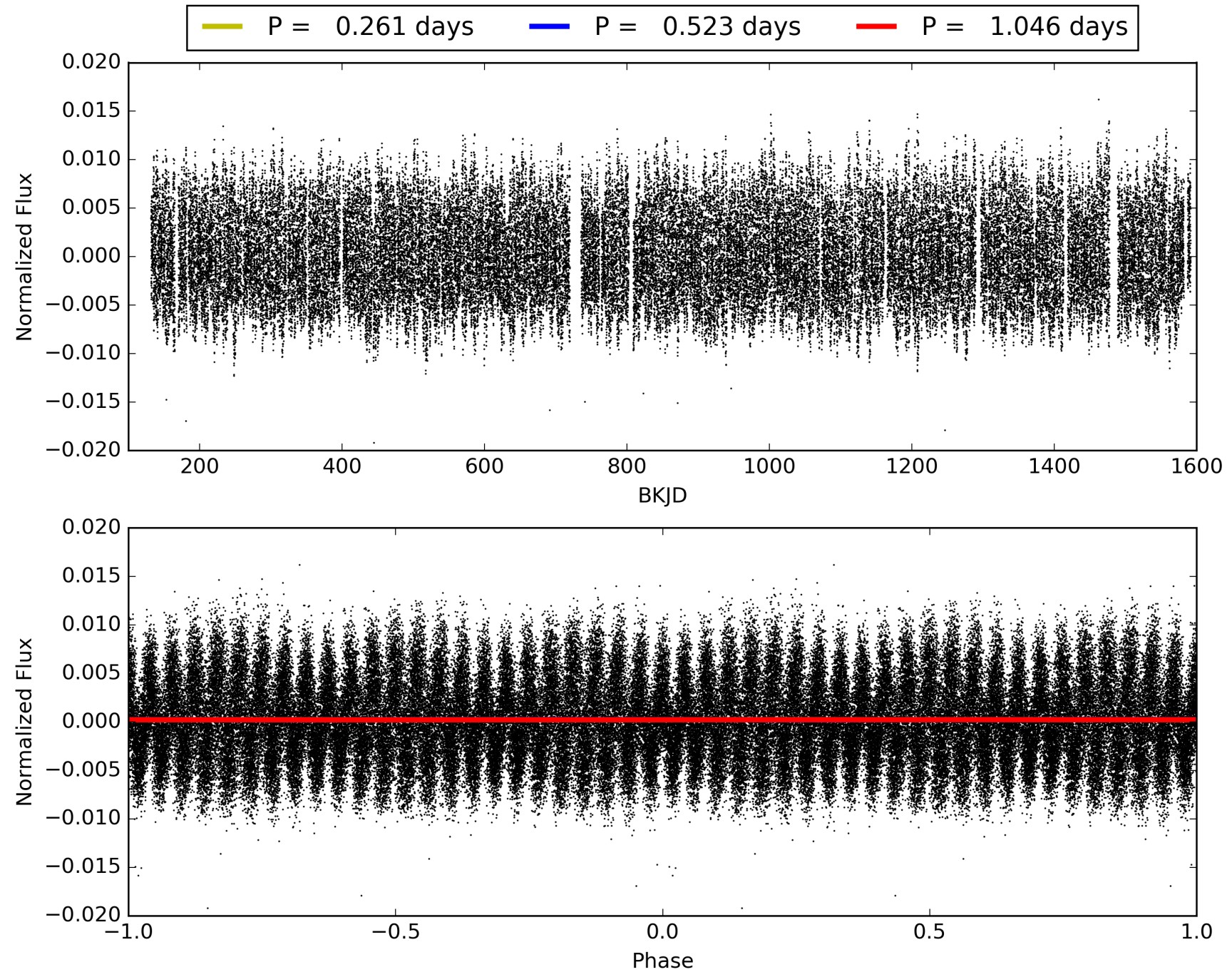
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 06:06:14 Z

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

TCE 006387895-03, PDC Light Curves

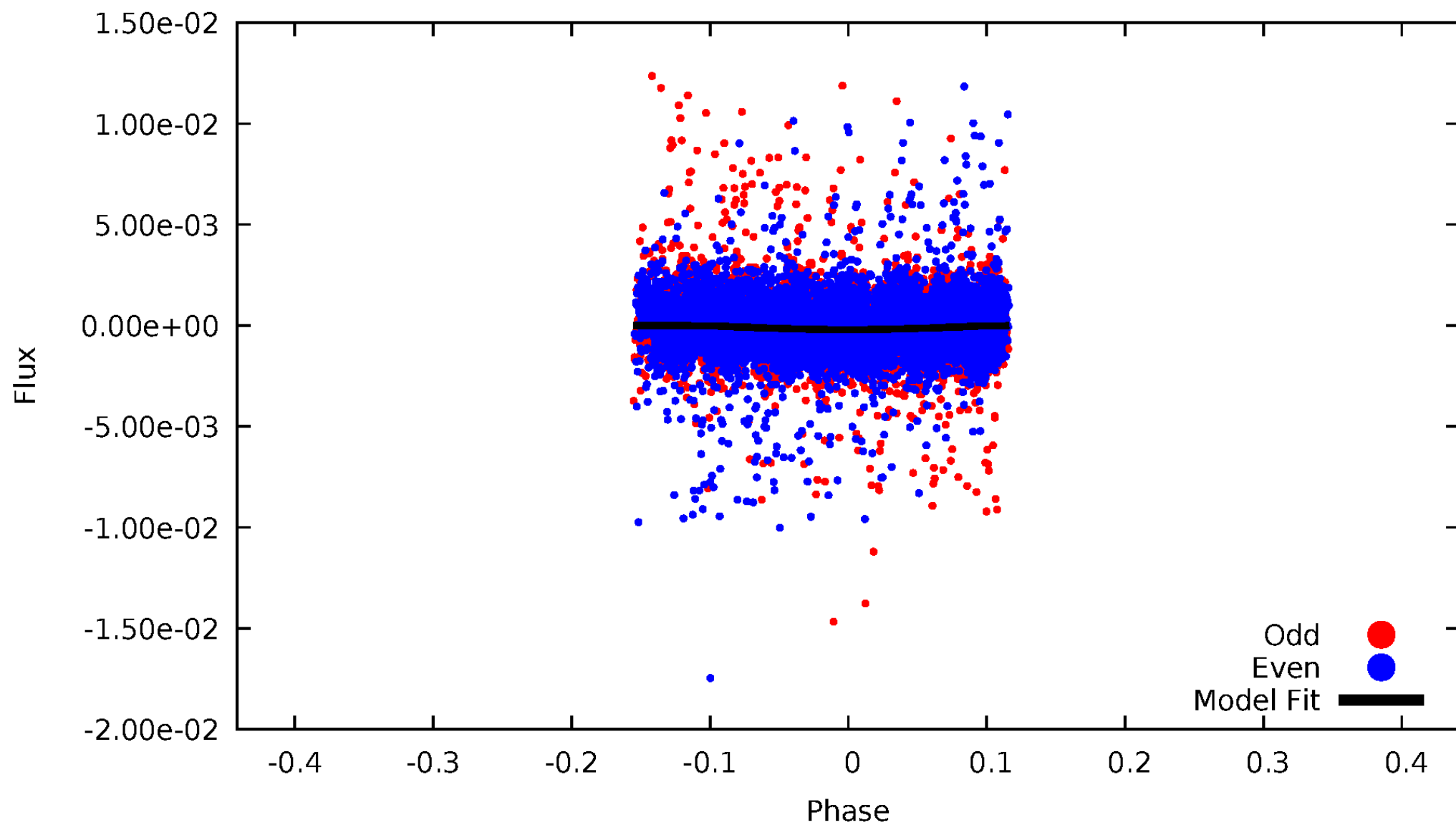


TCE 006387895-03



DV Odd/Even

TCE 006387895-03

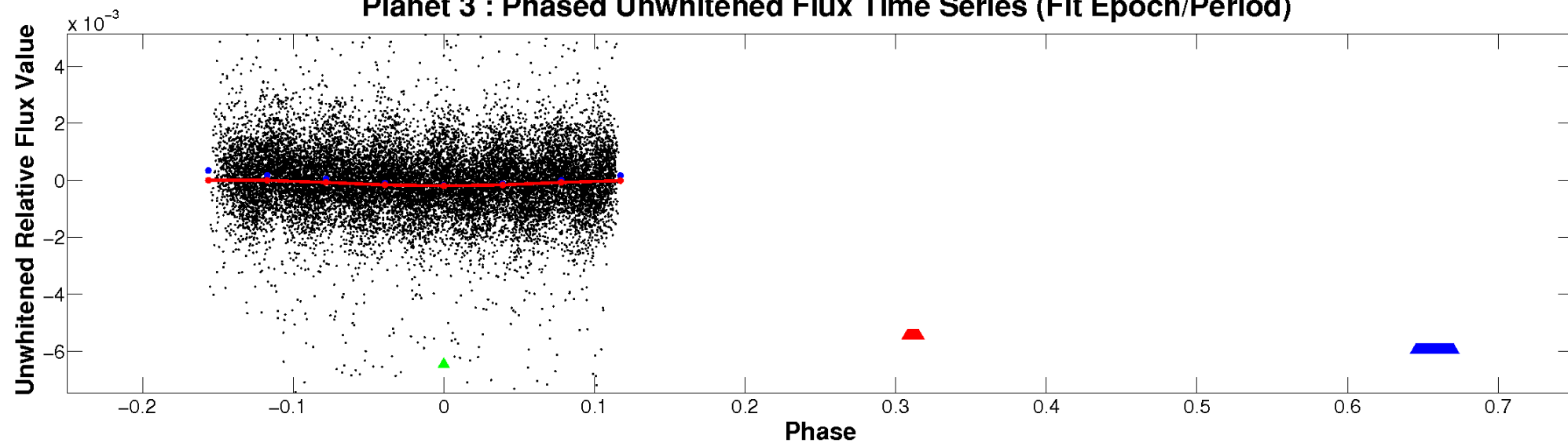


ALT Odd/Even

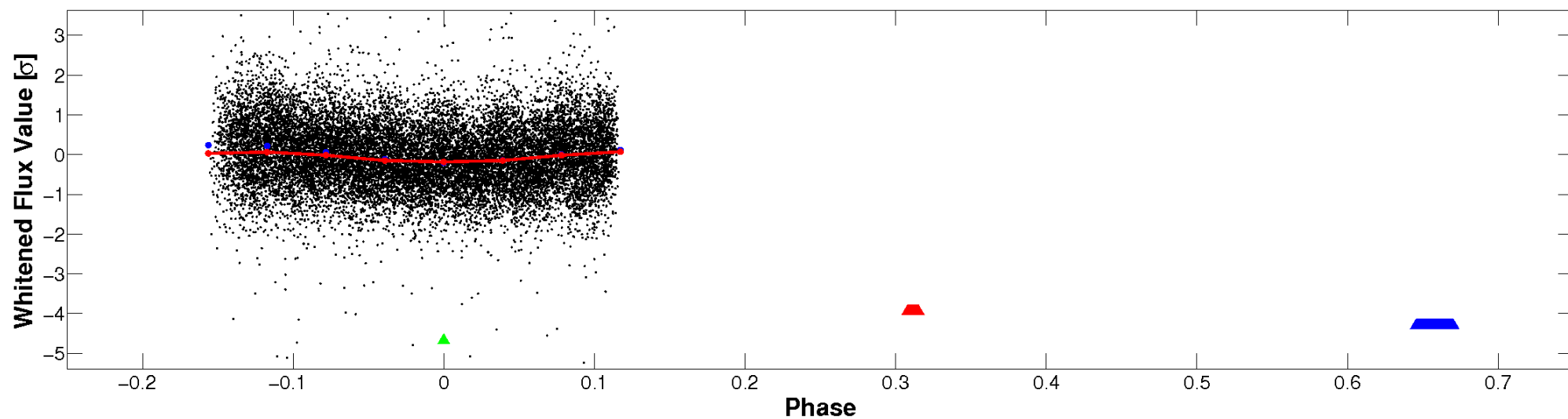
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

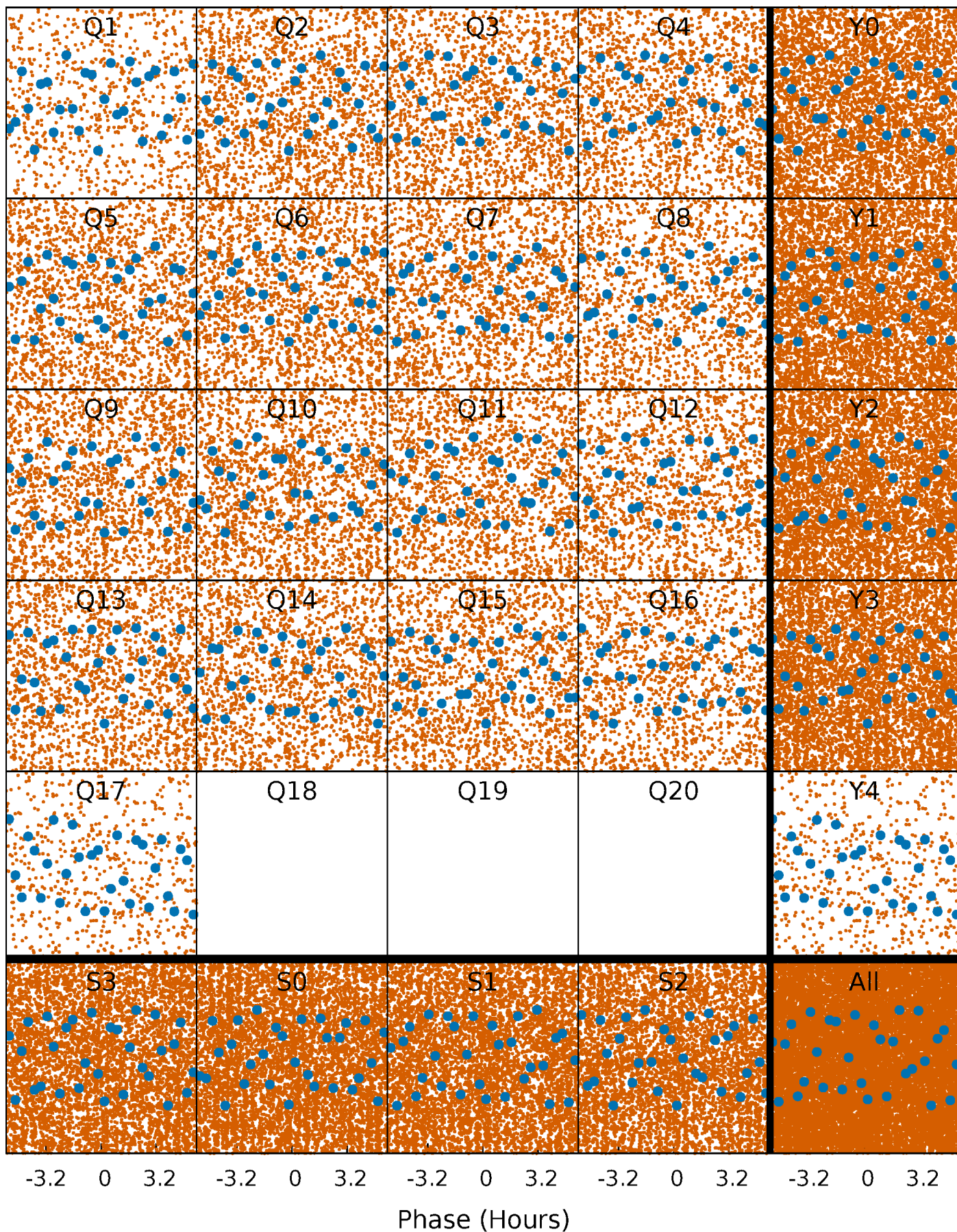


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



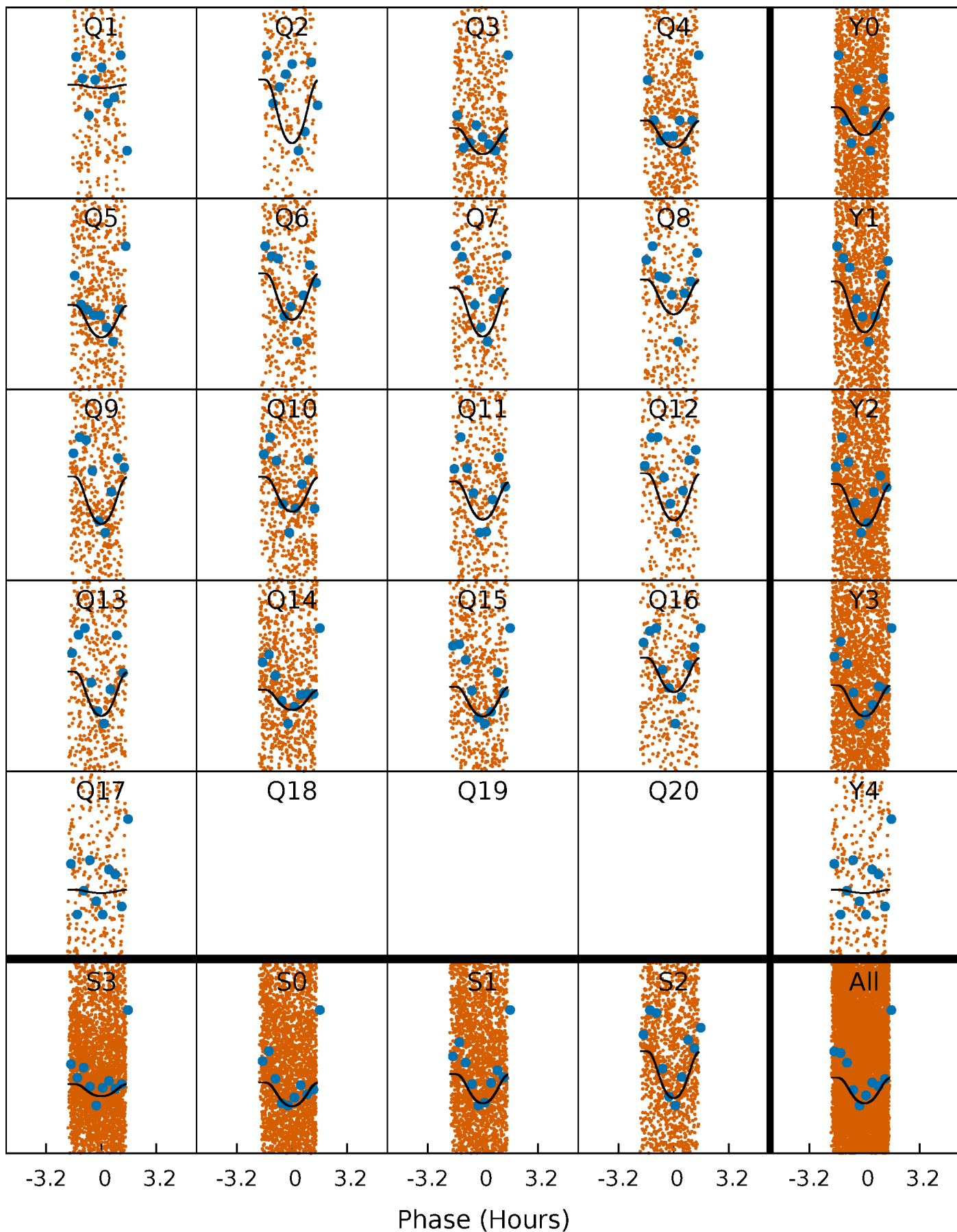
PDC Quarter-Phased Transit Curves

TCE 006387895-03 P= 0.522806 Days $T_0=131.918550$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 006387895-03 P= 0.522806 Days $T_0=131.918550$ (BKJD)

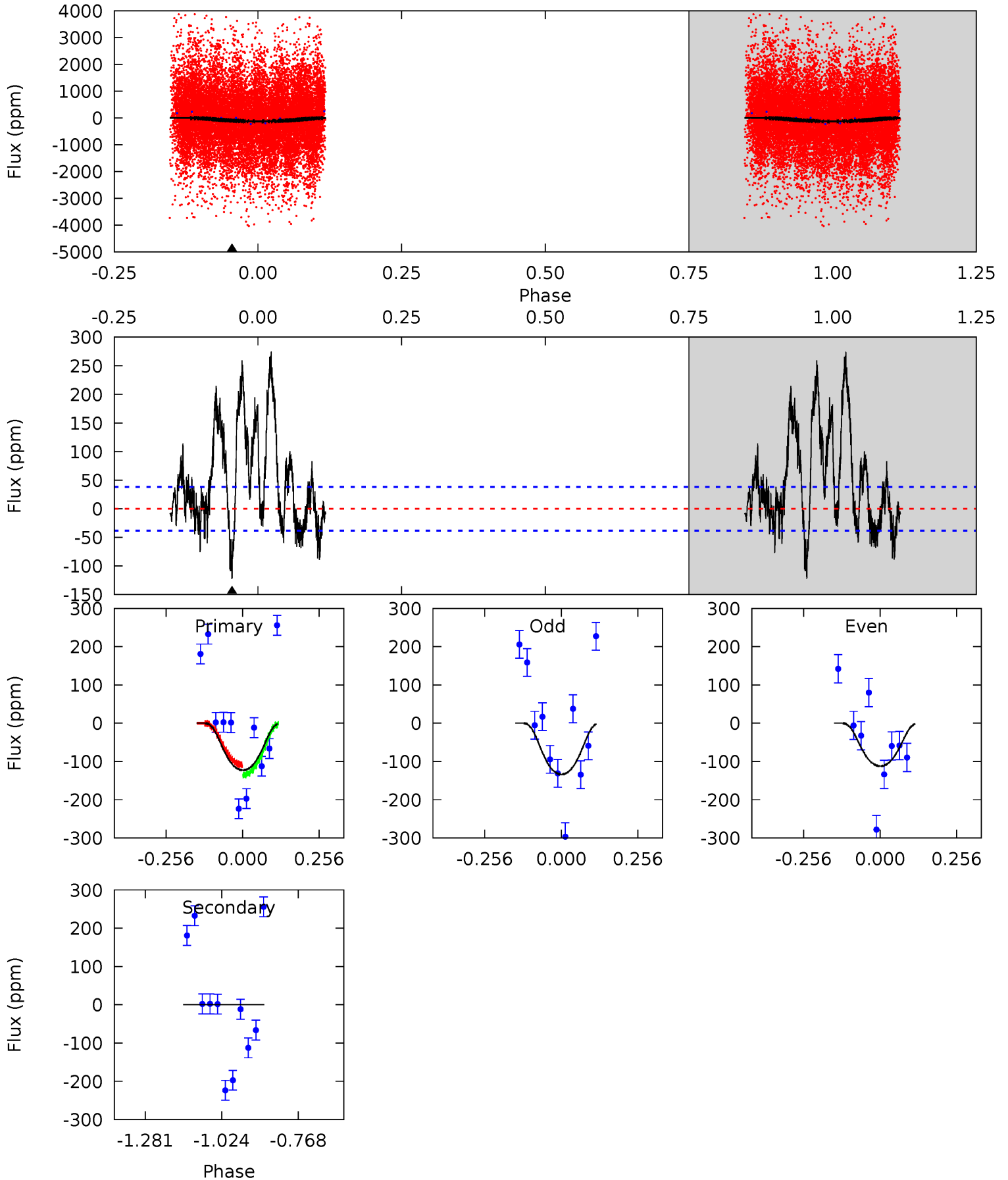


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

006387895-03, P = 0.522806 Days, E = 131.395744 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
14.0	0	0	0	4.36	1.14	4.46	14.0	14.0	0	0	1.26	0.92	0.69	1.58



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 006387895

	$T_{\text{eff}} (K)$	$\log(g)$	$[\text{Fe}/\text{H}]$	$R (R_{\odot})$	$M (M_{\odot})$	$\rho_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+230}_{-307}	$3.910^{+0.287}_{-0.123}$	$-0.040^{+0.200}_{-0.350}$	$2.444^{+0.477}_{-0.887}$	$1.770^{+0.193}_{-0.386}$	$0.171^{+0.347}_{-0.065}$
	+3%/-4%	+7%/-3%	+500%/-875%	+20%/-36%	+11%/-22%	+203%/-38%
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 006387895-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 9	$4.52^{+0.81}_{-0.94}$	5646^{+434}_{-517}	-4722^{+397}_{-325}	$-0.003^{+0.058}_{-0.062}$
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 $A_{\text{obs}} \gg 1.0$

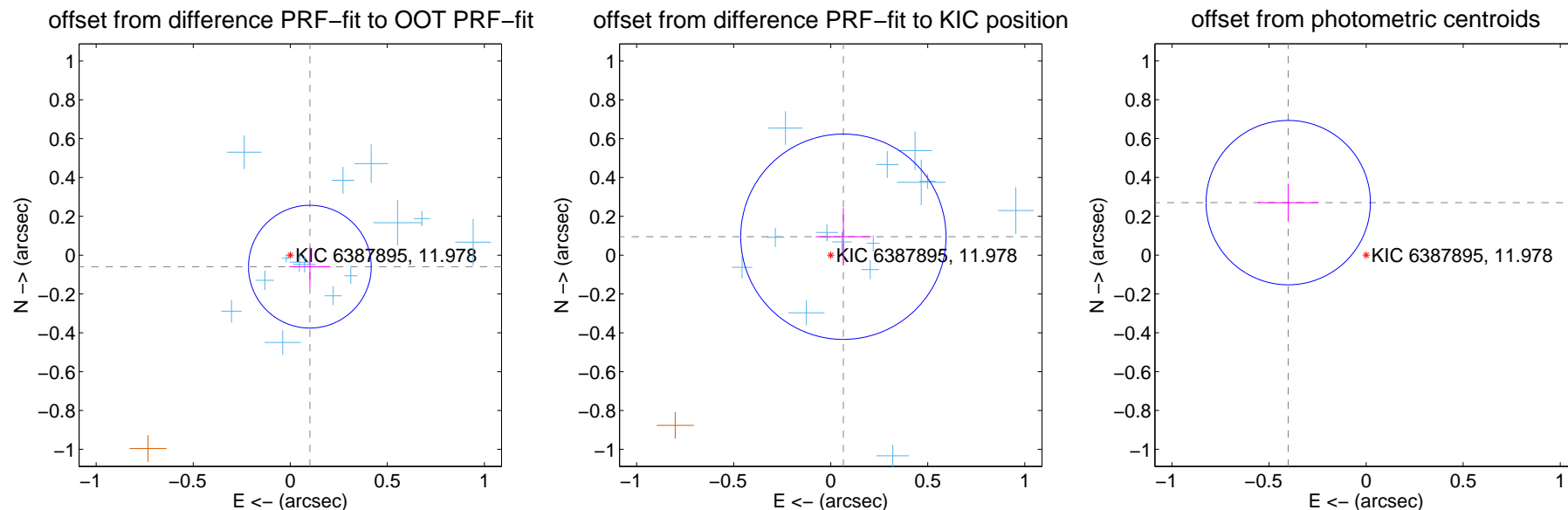
DV Centroid Data

Supplemental centroid analysis for 006387895-03. **Kepler magnitude: 11.98.** Transit SNR 14.86

There are 15 quarters with good PRF difference image offsets

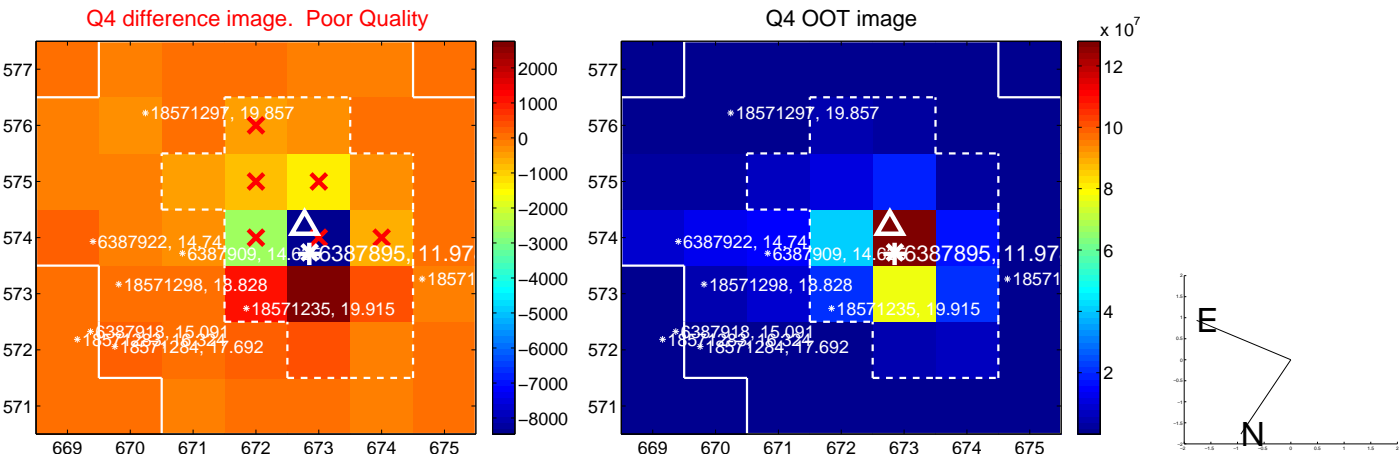
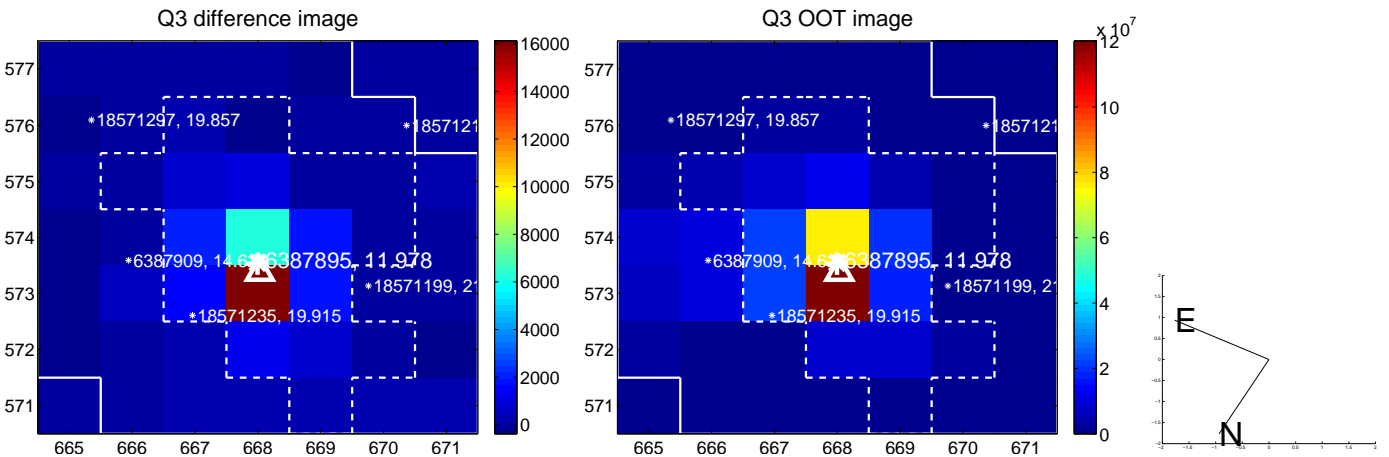
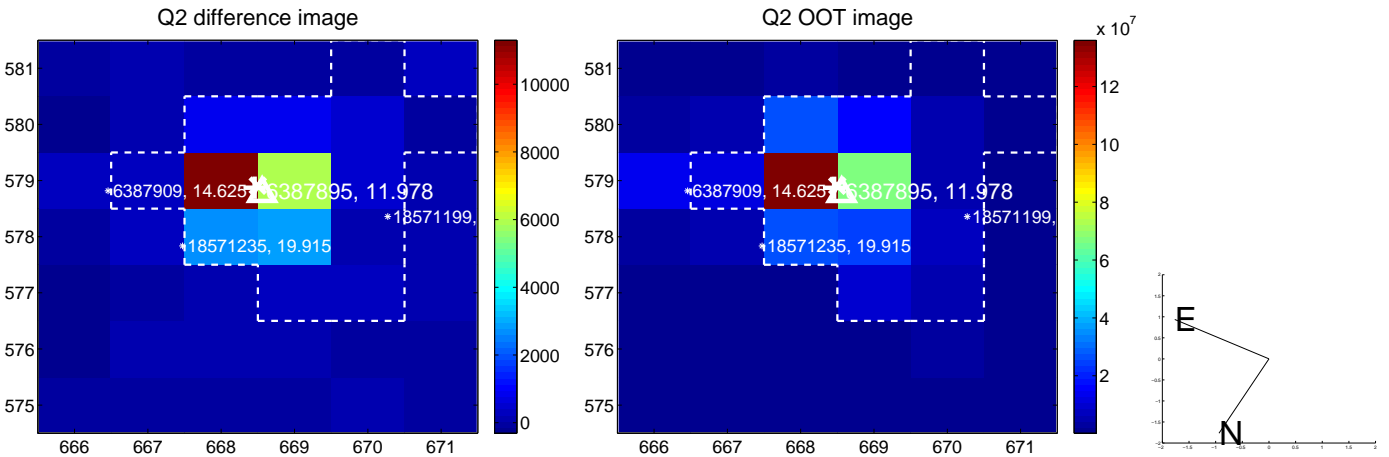
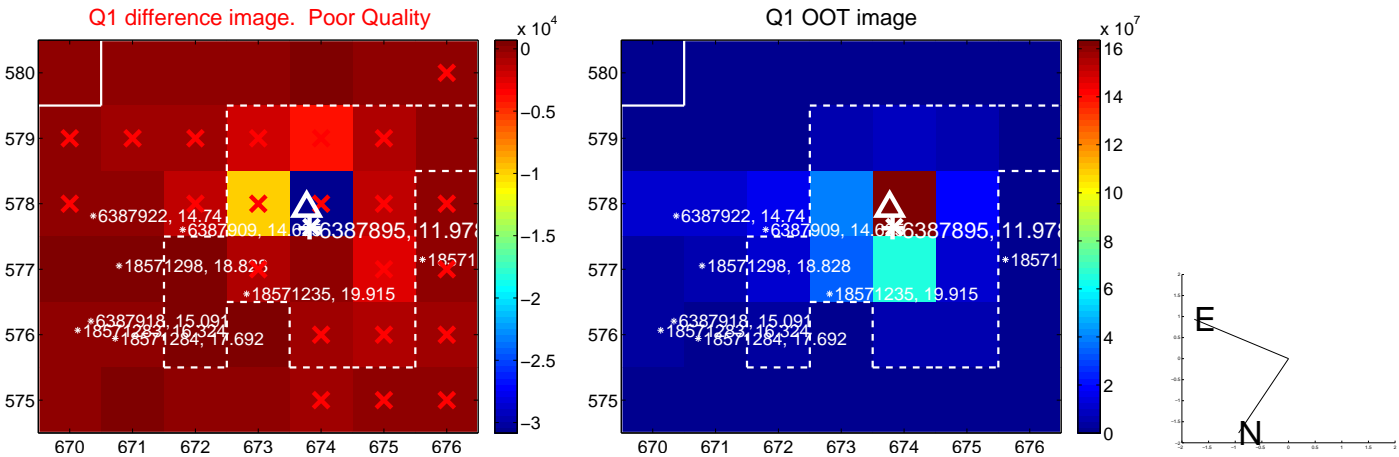
The direct PRF centroid is offset from the target star catalog position by about 0.19 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.117 ± 0.105	1.11	-0.101 ± 0.107	-0.059 ± 0.101
PRF-fit source offset from KIC position	0.115 ± 0.176	0.65	-0.065 ± 0.143	0.095 ± 0.147
photometric centroid source offset	0.48 ± 0.14	3.43	0.40 ± 0.16	0.27 ± 0.10

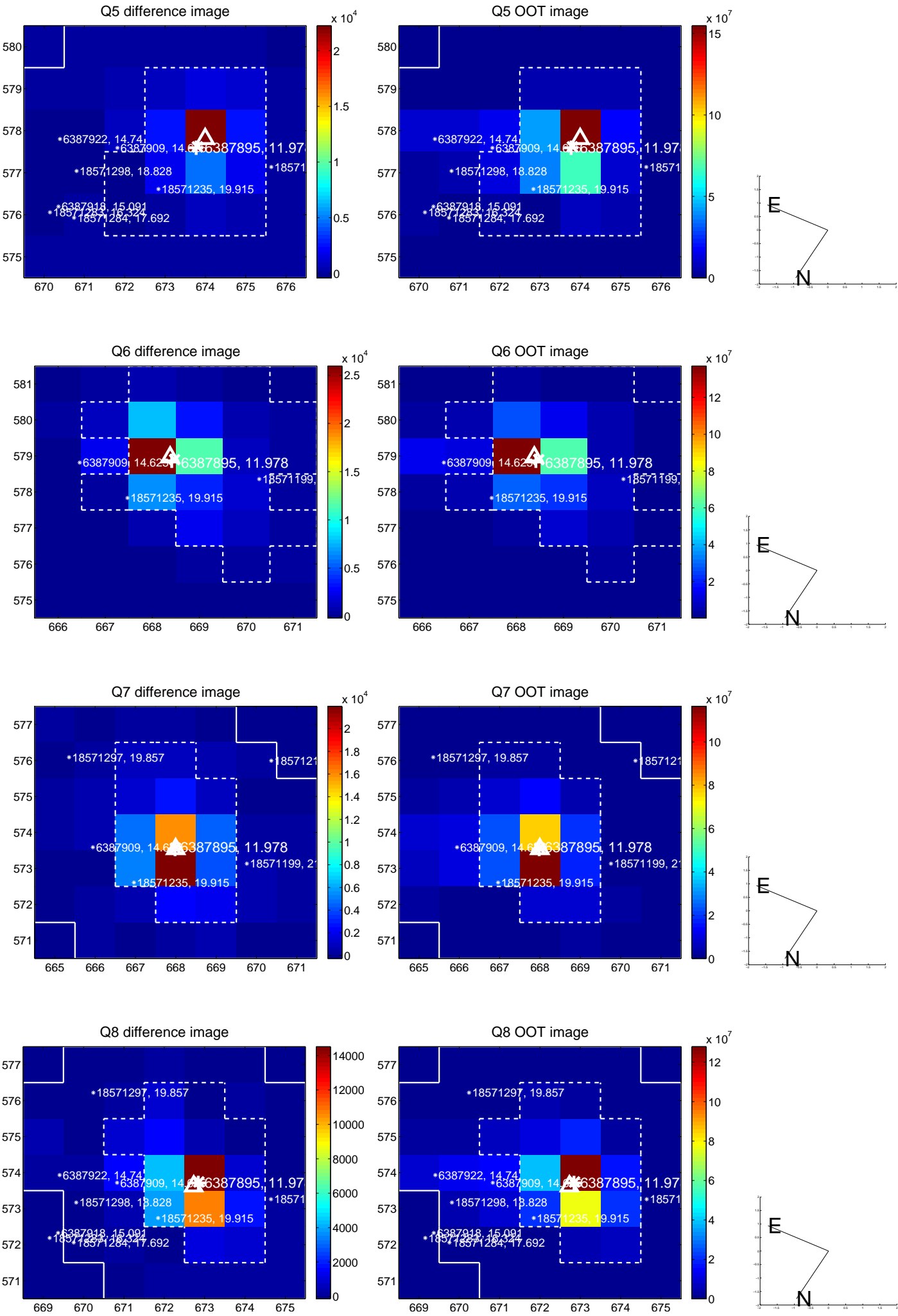


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

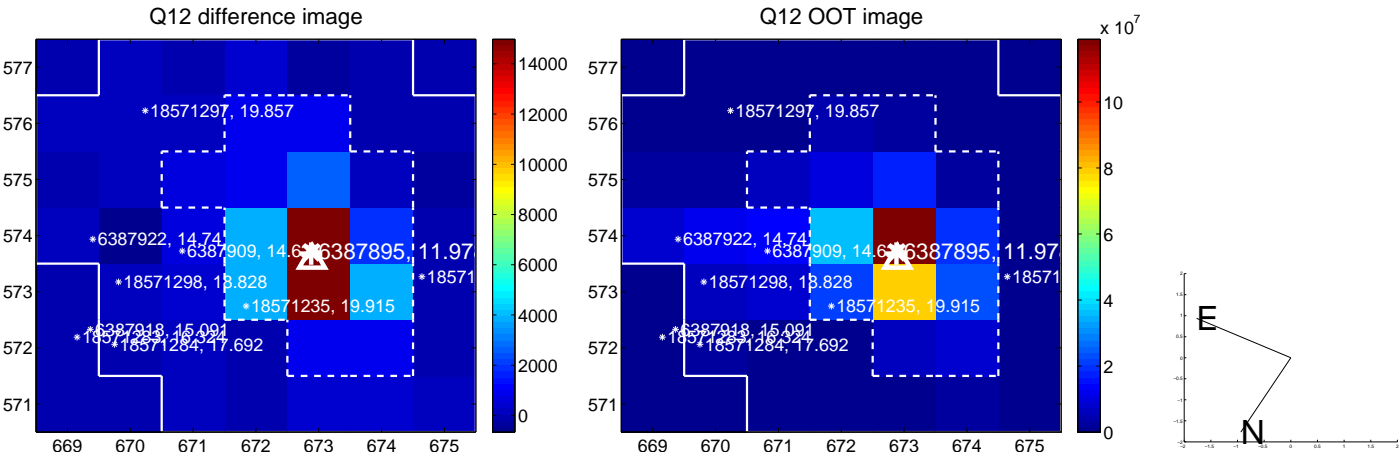
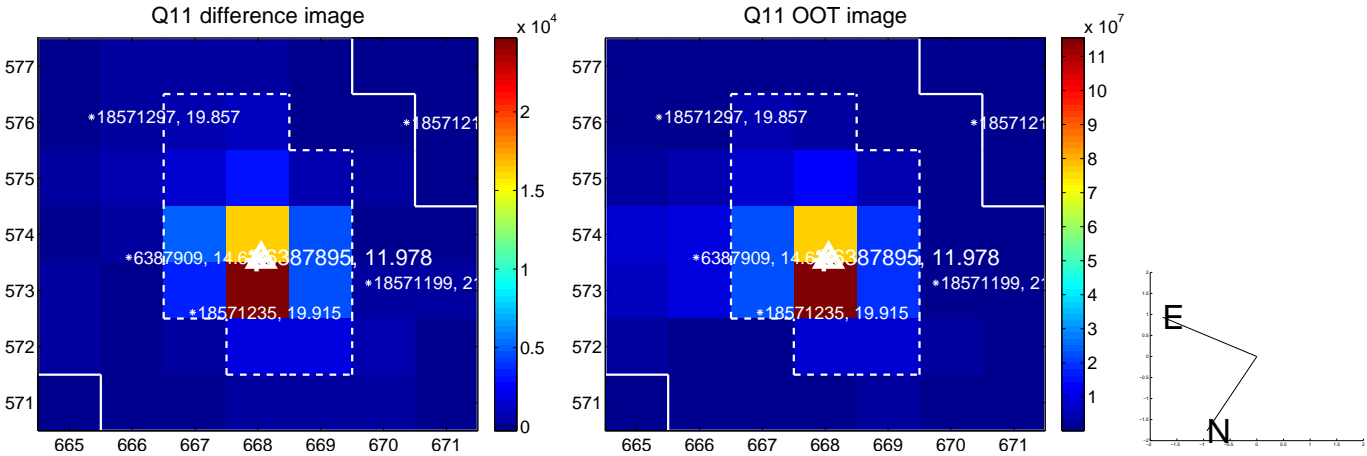
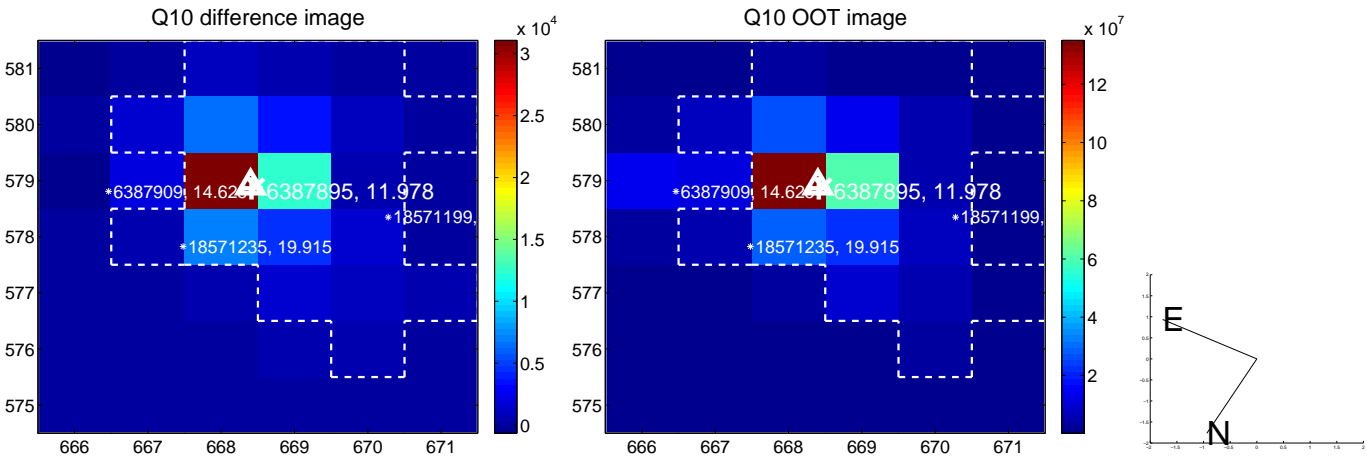
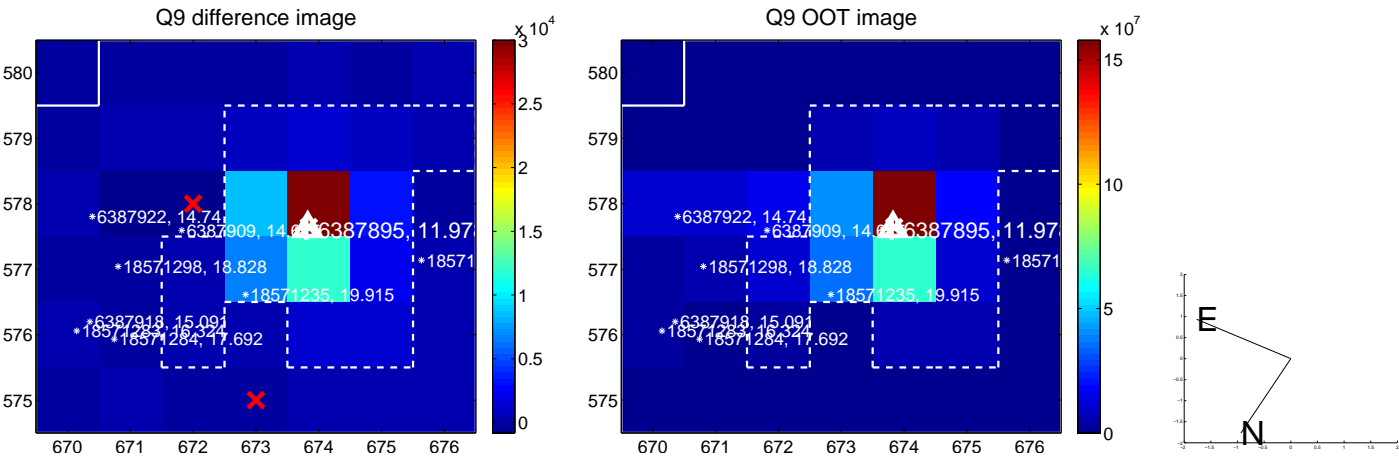
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



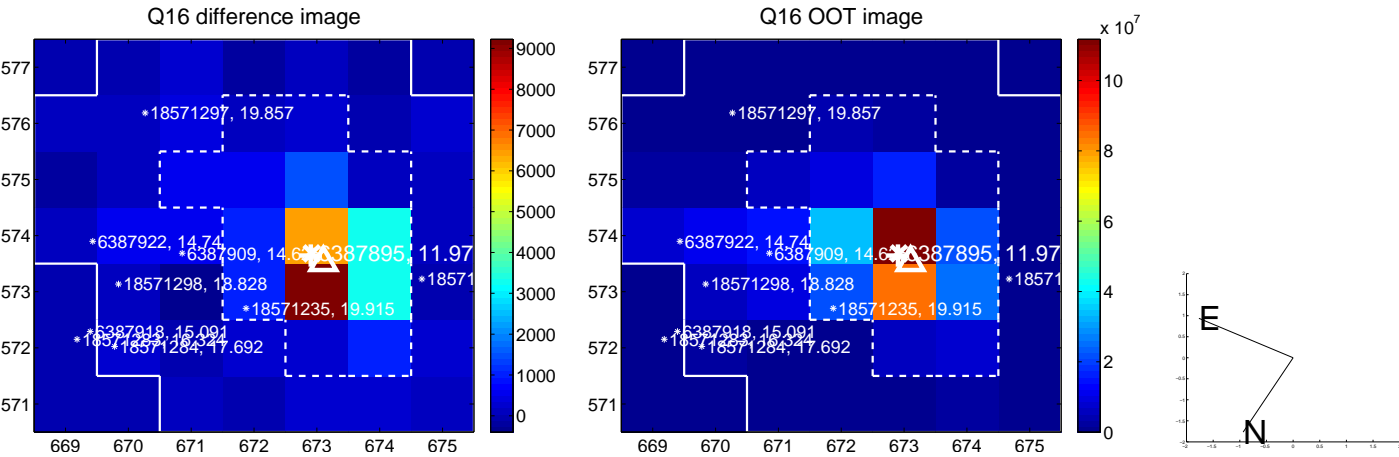
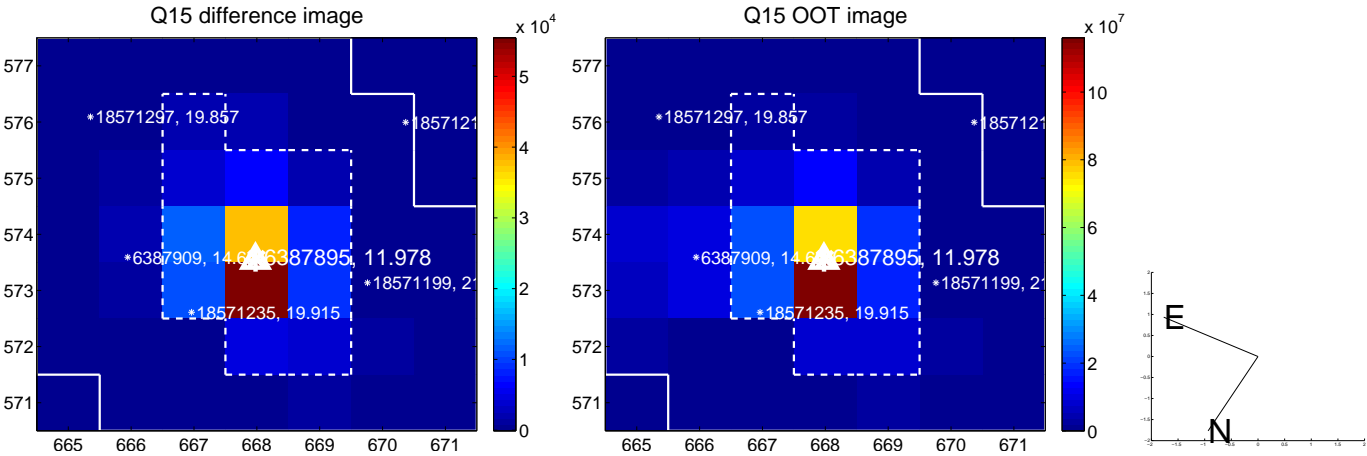
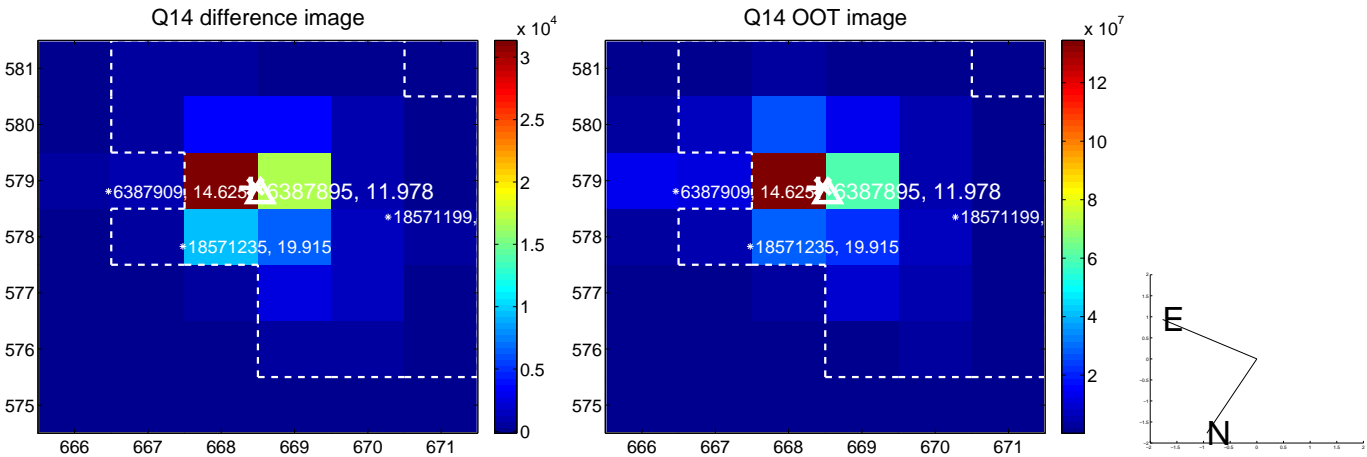
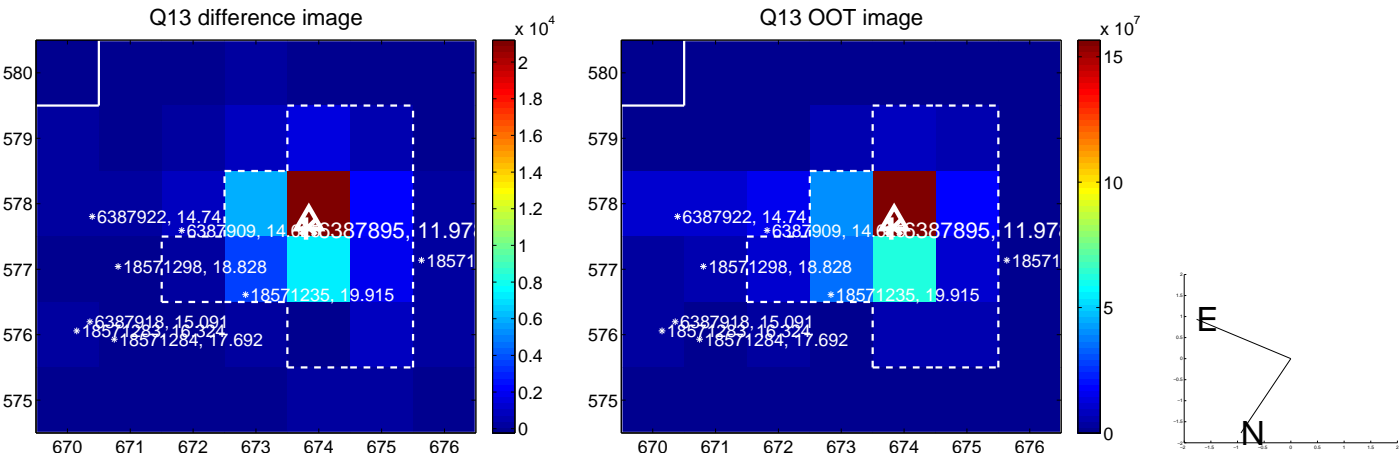
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



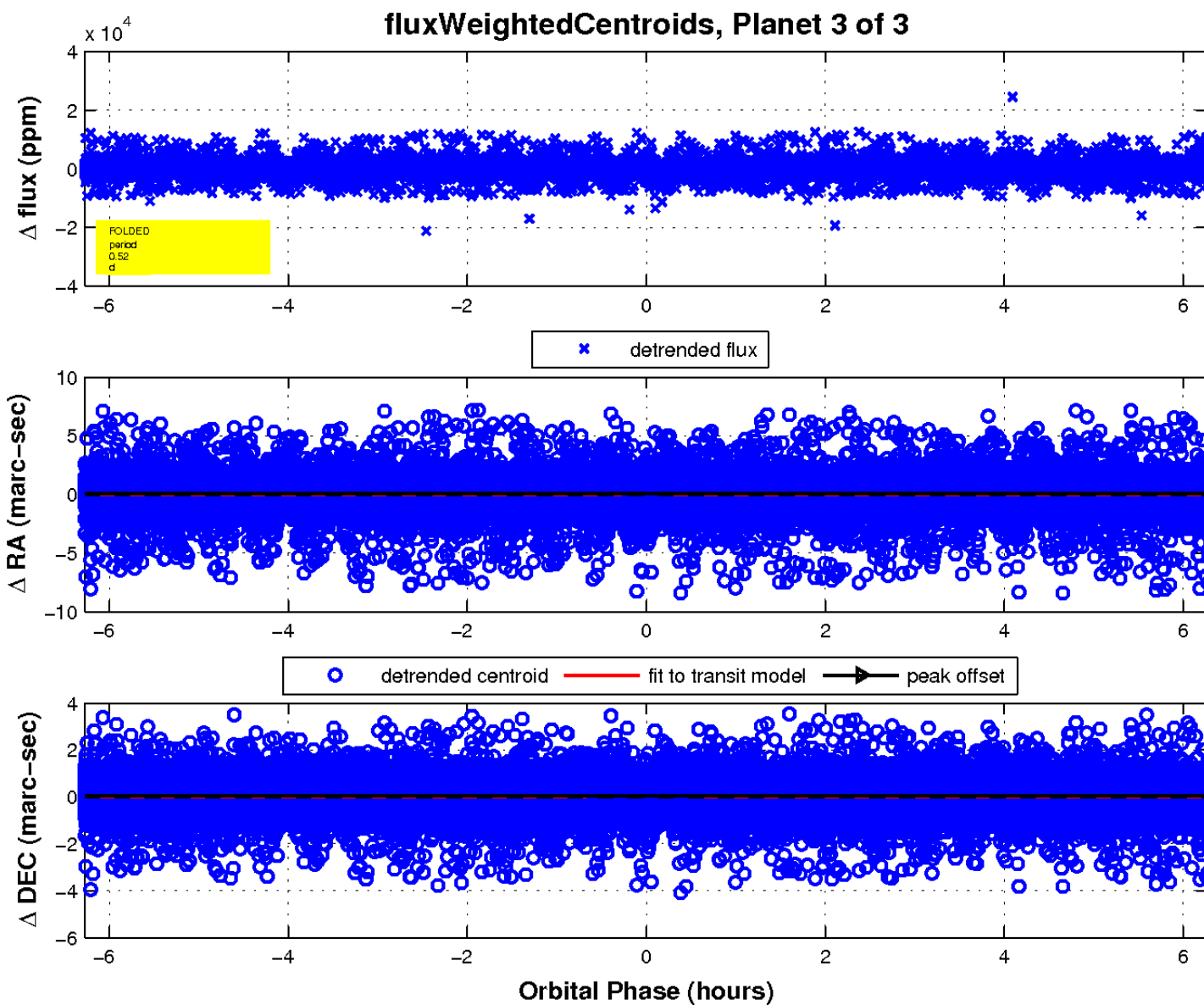
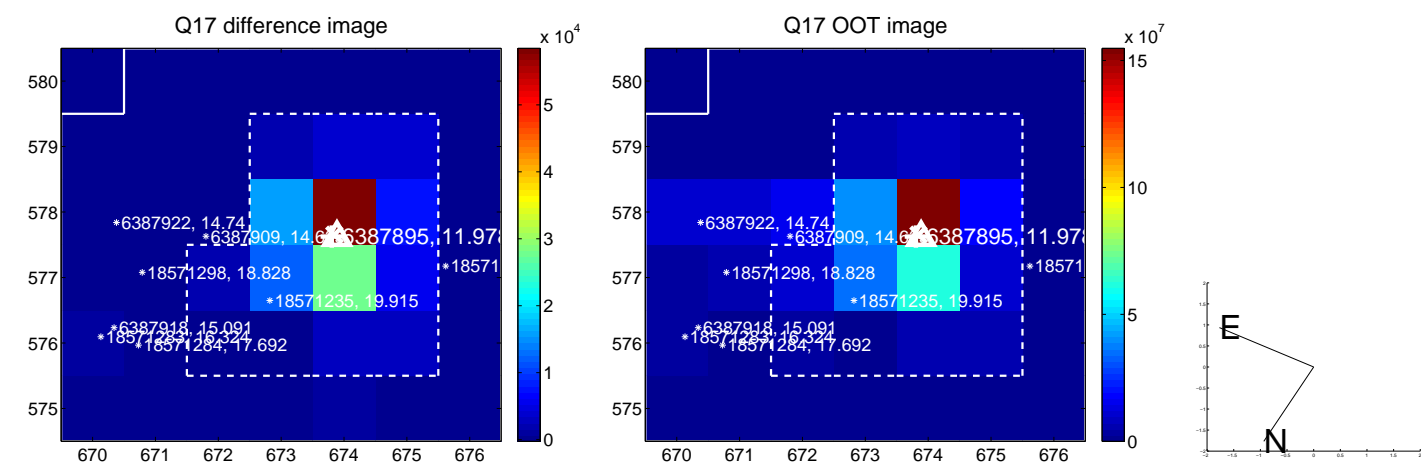
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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.



UKIRT Image

Declination

