

KIC 003240556

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})
003240556-01	OBS	No	0.655629	131.694957	51.3	2.299	10.0	11.3	3.00	8615	2.49	128452.26
003240556-02	OBS	No	0.655657	132.122082	63.2	0.779	9.0	8.2	3.00	8615	2.80	128444.79
003240556-03	OBS	No	0.655645	131.909110	41.2	2.000	9.4	8.3	3.00	8615	2.24	128447.90

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
003240556-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_SATURATED
003240556-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_SATURATED
003240556-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD—CENT_SATURATED

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

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

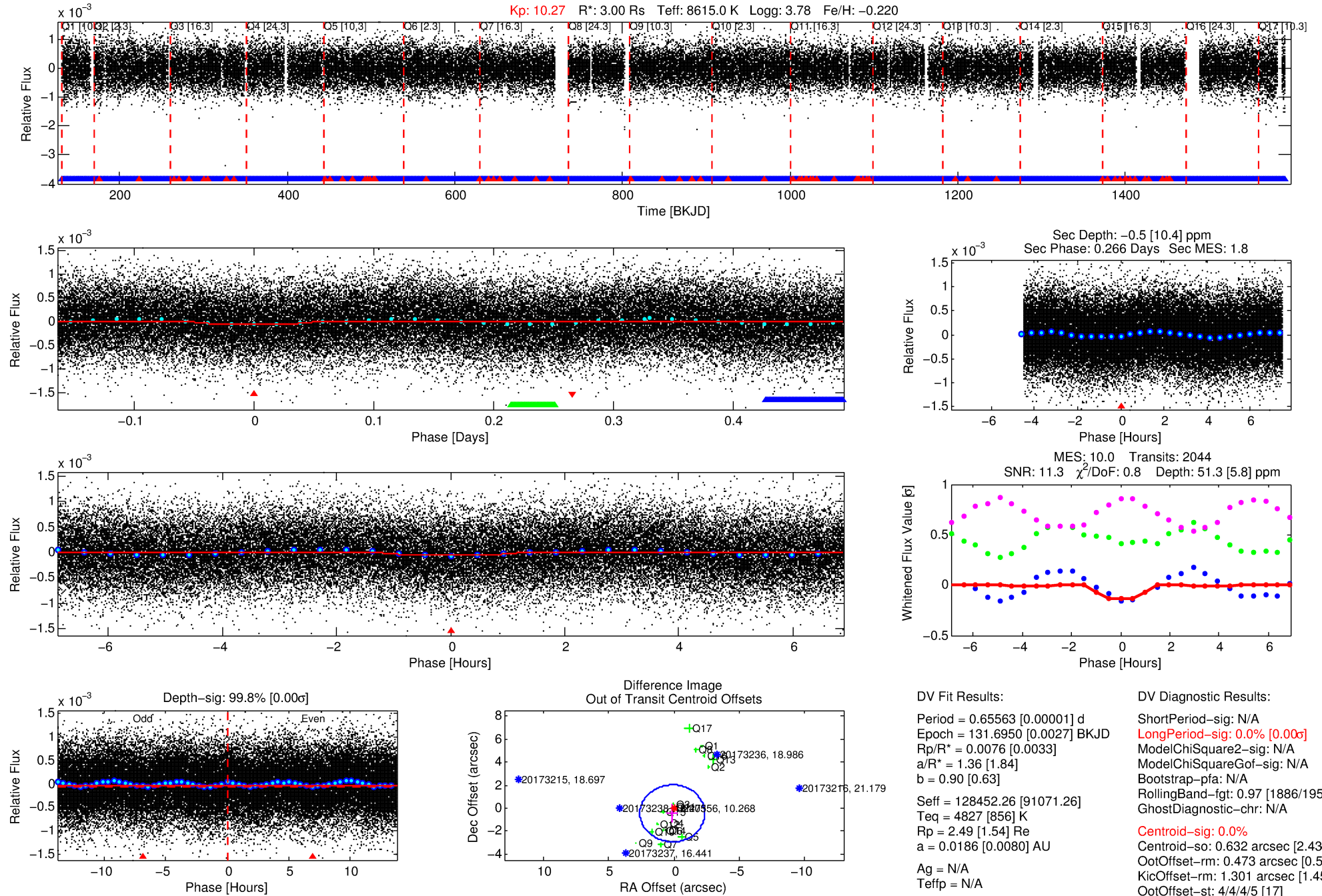
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 003240556-01

No Significant Match Found

DV One-Page Summary

KIC: 3240556 Candidate: 1 of 3 Period: 0.656 d



DV Fit Results:

Period = 0.65563 [0.00001] d
Epoch = 131.6950 [0.0027] BKJD
Rp/R* = 0.0076 [0.0033]
a/R* = 1.36 [1.84]
b = 0.90 [0.63]
Seff = 128452.26 [91071.26]
T_{eq} = 4827 [856] K
Rp = 2.49 [1.54] Re
a = 0.0186 [0.0080] AU
Ag = N/A
Teffp = N/A

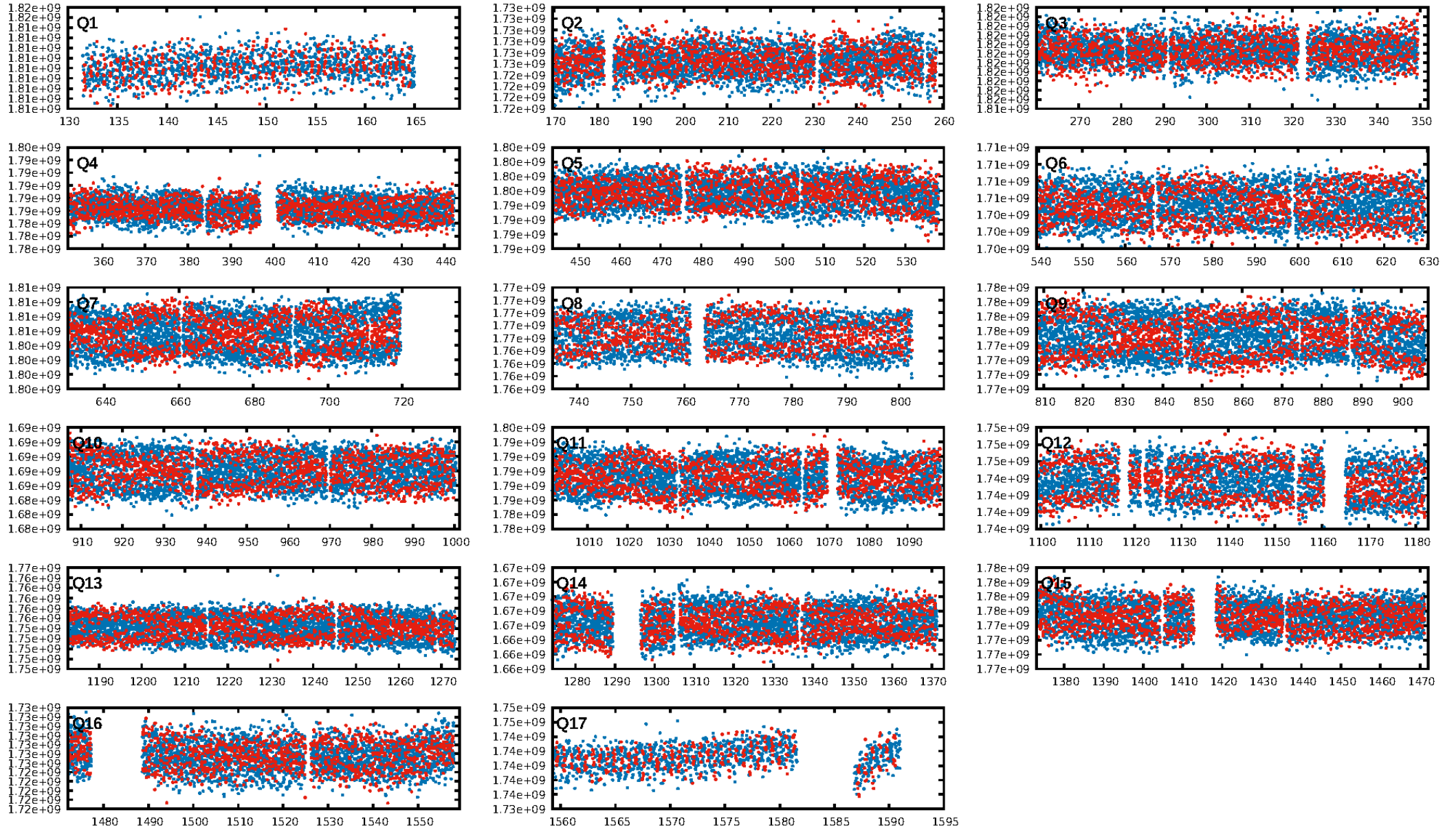
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.97 [1886/1953]
GhostDiagnostic-chr: N/A
Centroid-sig: 0.0%
Centroid-so: 0.632 arcsec [2.43σ]
OotOffset-rm: 0.473 arcsec [0.57σ]
KicOffset-rm: 1.301 arcsec [1.45σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.59 [10/17]
DiffImageOverlap-fno: 0.00 [0/17]

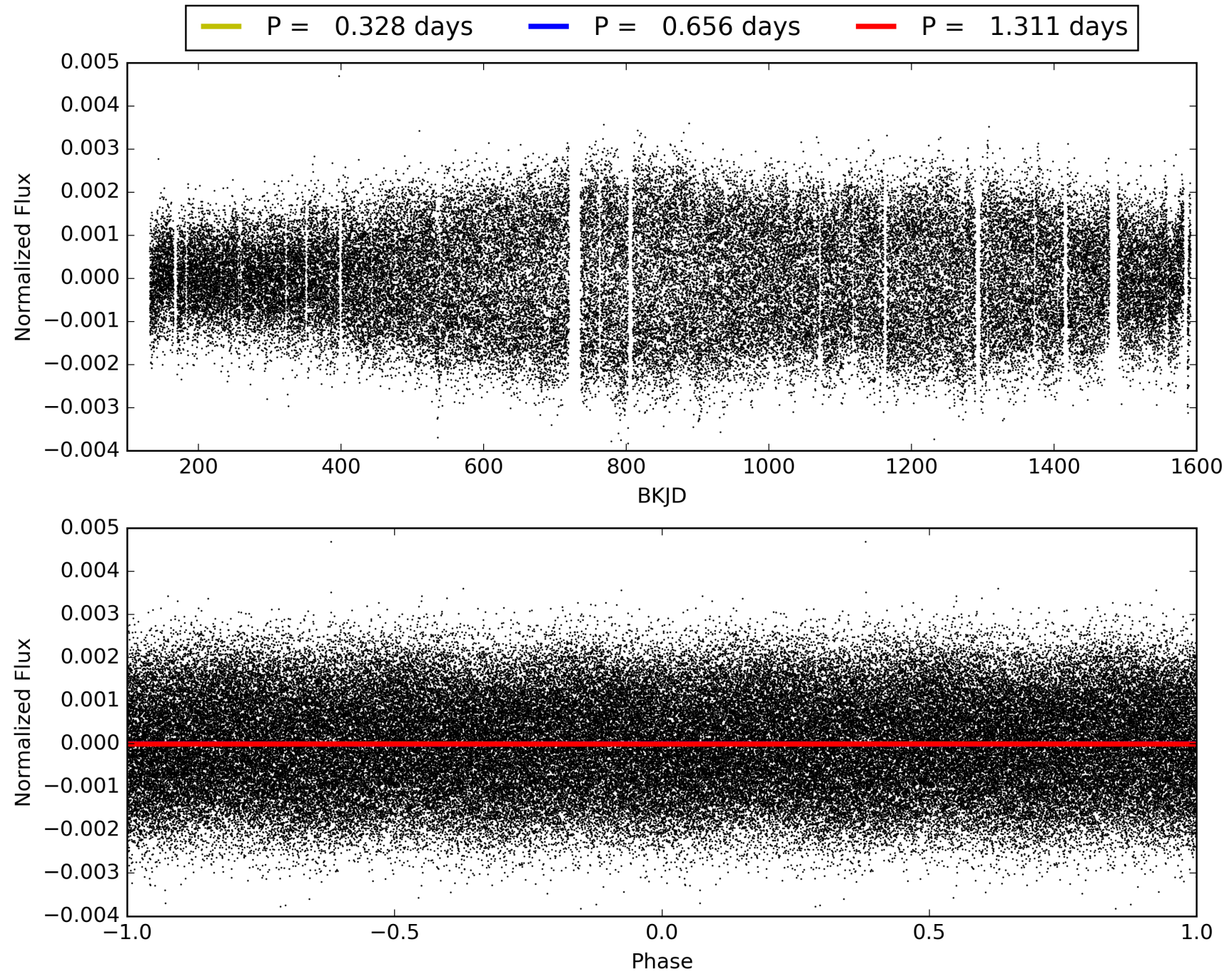
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 17:58:26 Z

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

TCE 003240556-01, PDC Light Curves

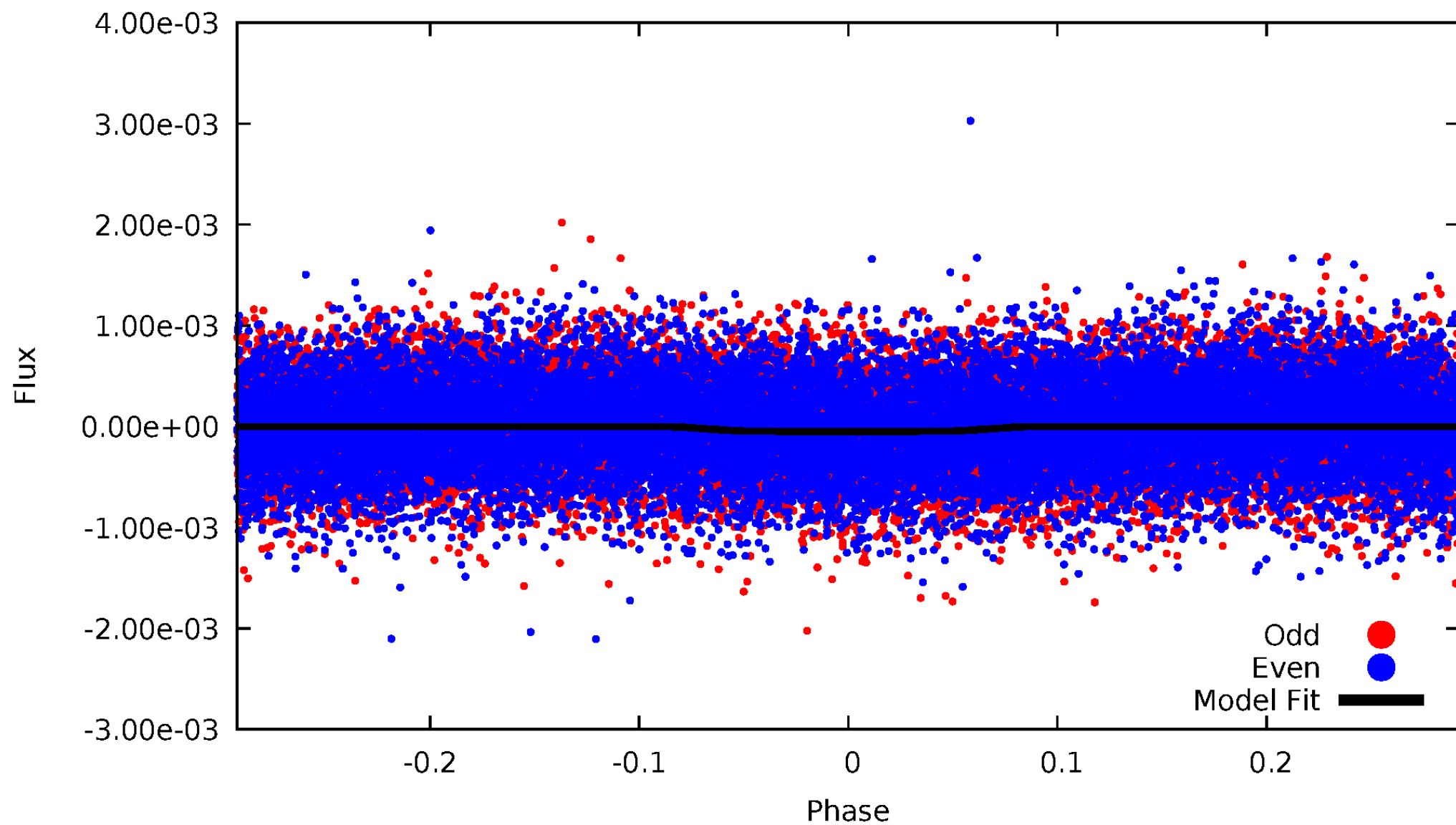


TCE 003240556-01



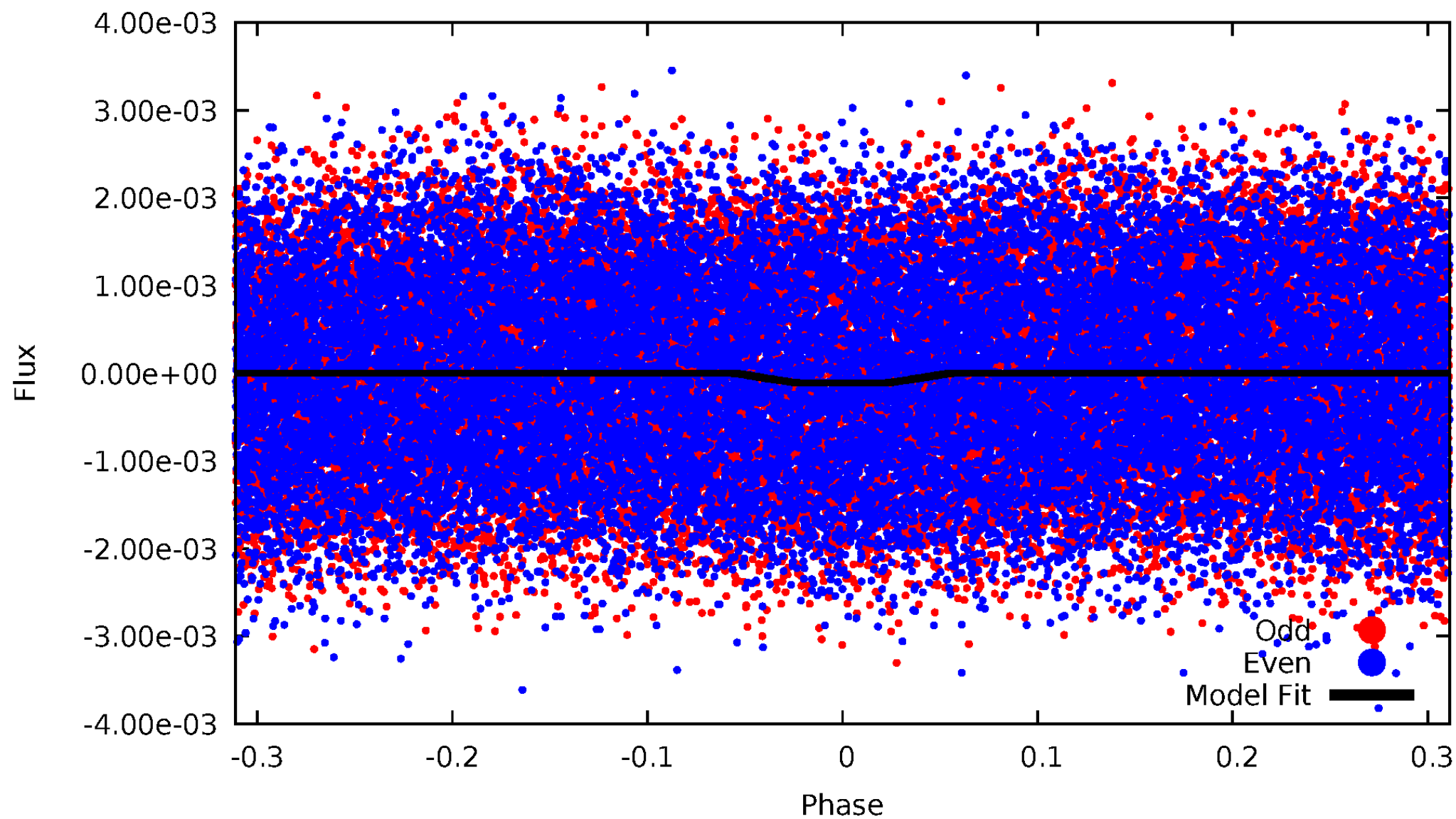
DV Odd/Even

TCE 003240556-01

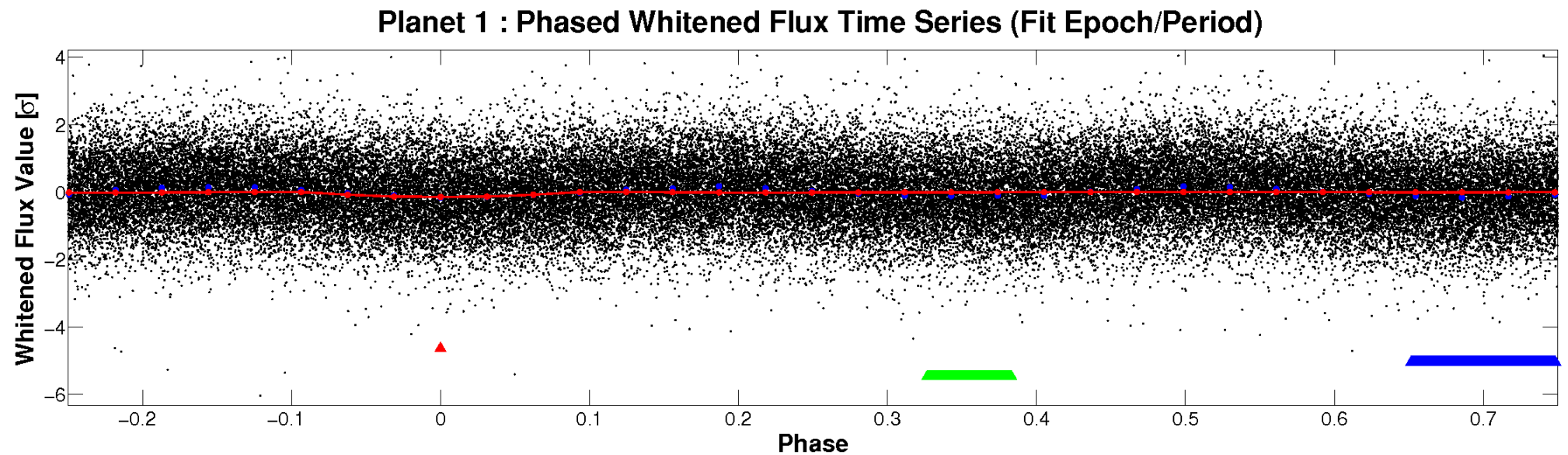
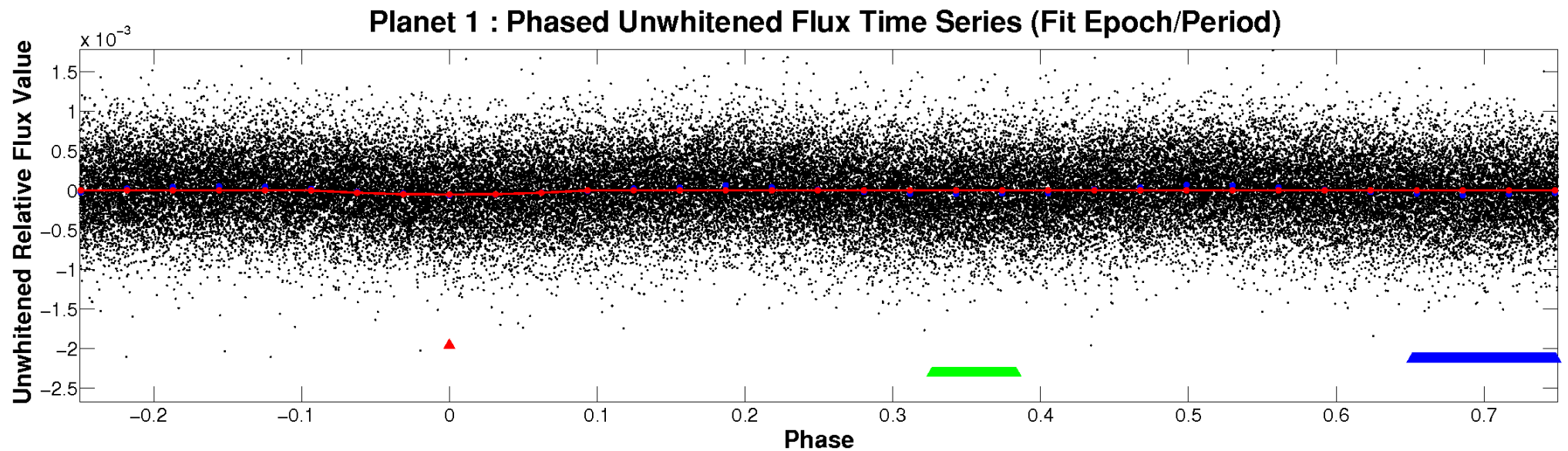


ALT Odd/Even

TCE 003240556-01

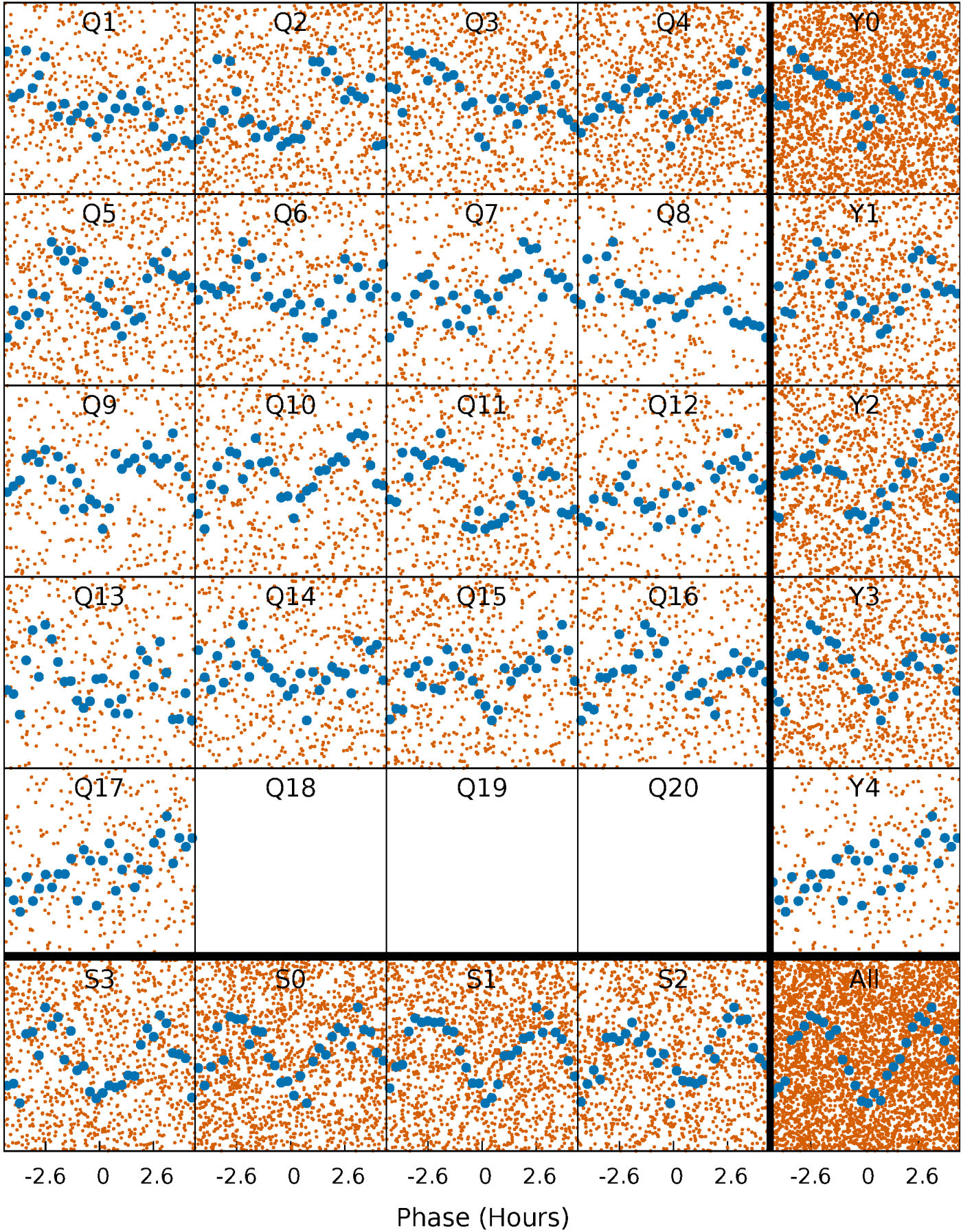


Non-Whitened Vs. Whitened Light Curve



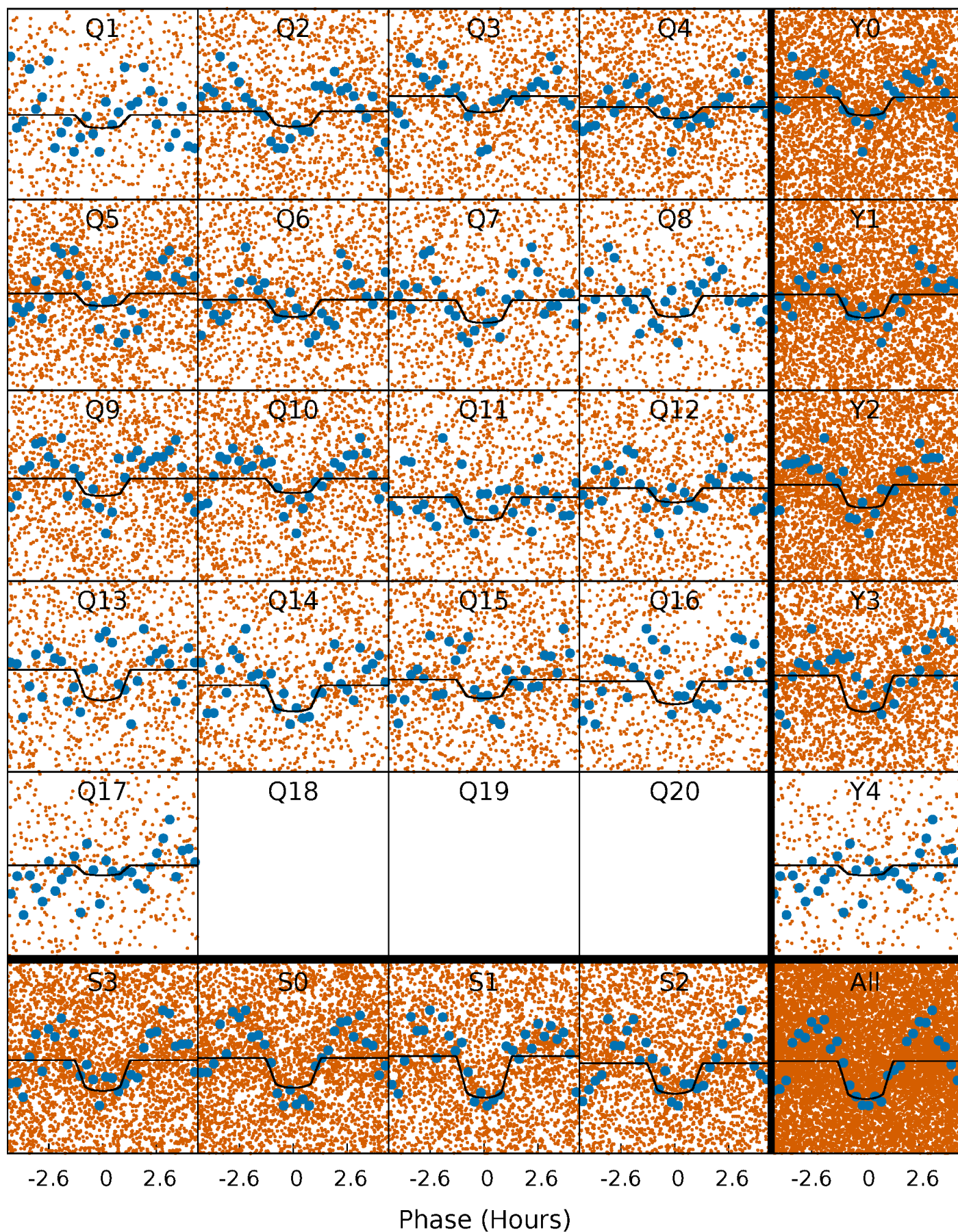
PDC Quarter-Phased Transit Curves

TCE 003240556-01 P= 0.655629 Days $T_0=131.694957$ (BKJD)



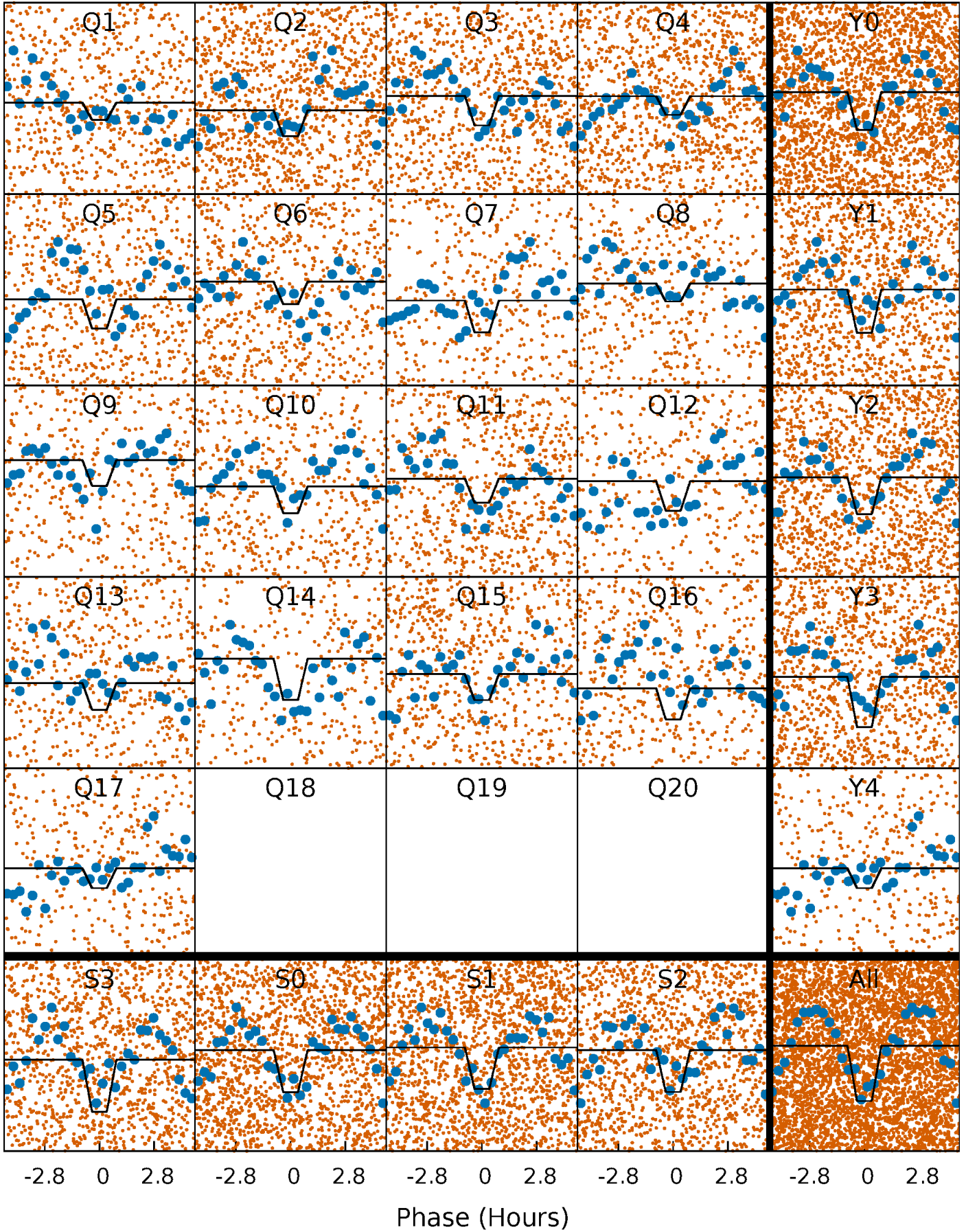
DV Quarter-Phased Transit Curves

TCE 003240556-01 P= 0.655629 Days $T_0=131.694957$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

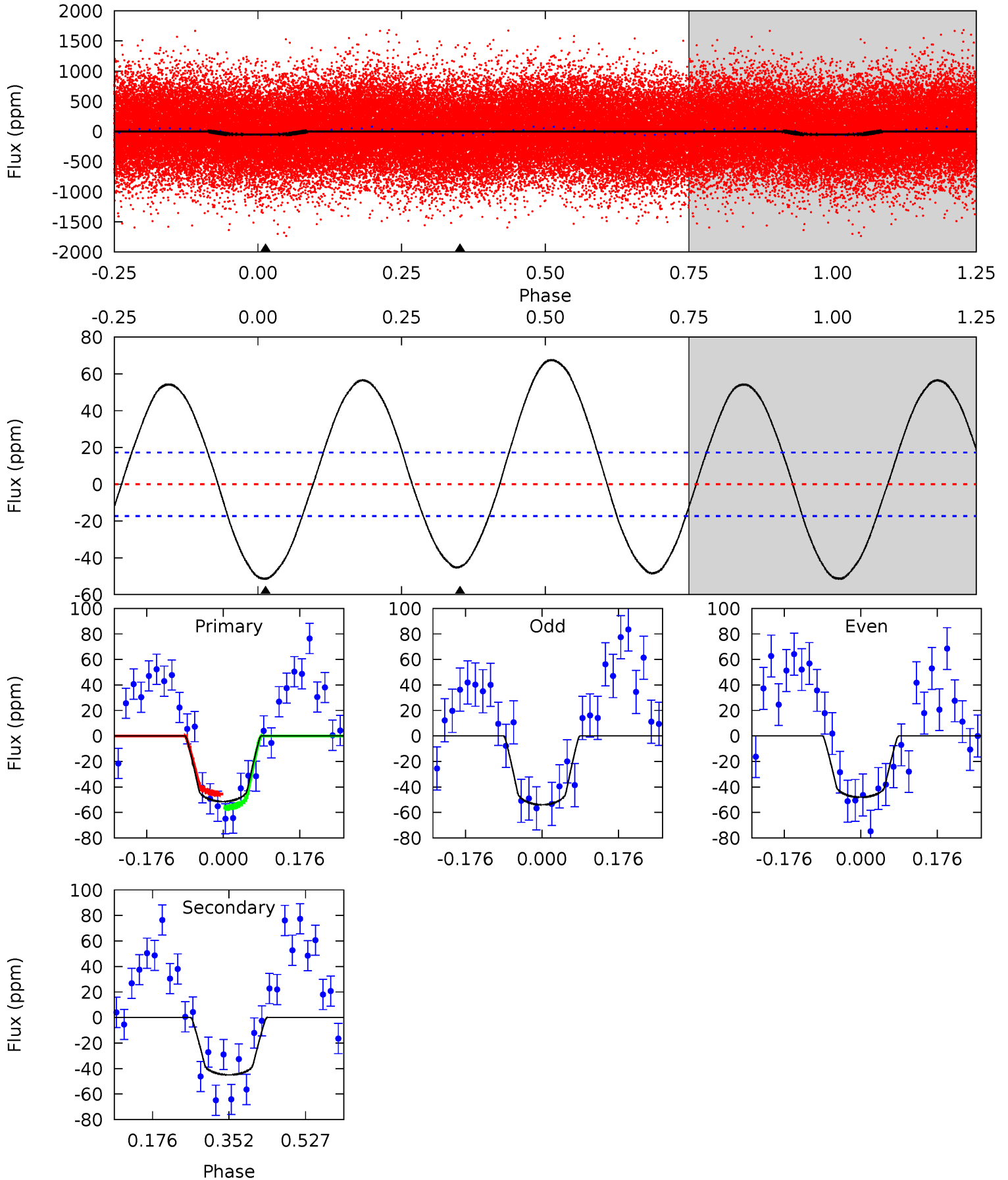
TCE 003240556-01 P= 0.655638 Days $T_0=131.693145$ (BKJD)



DV Model-Shift Uniqueness Test

003240556-01, P = 0.655629 Days, E = 131.039328 Days

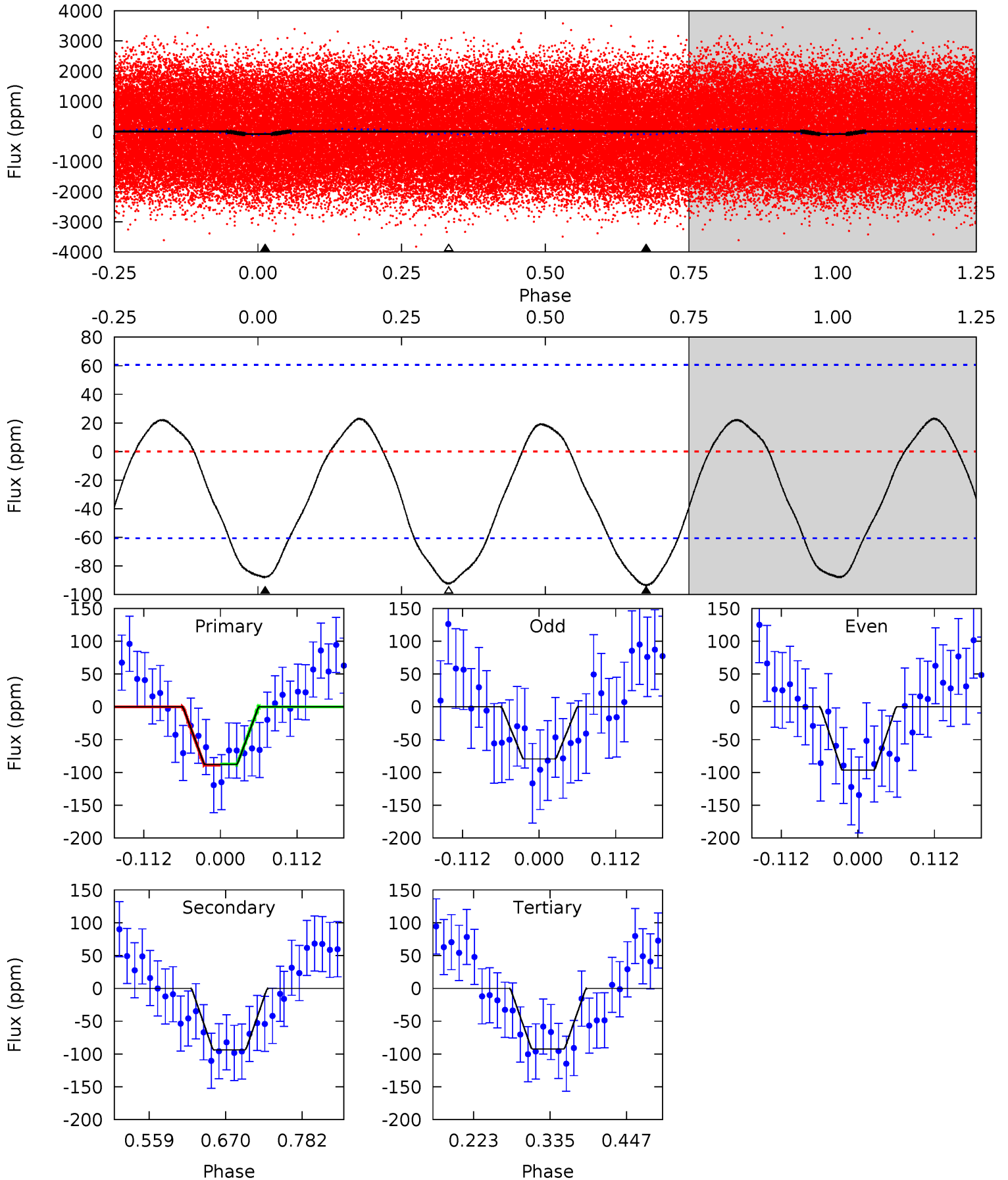
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
13.2	11.6	0	0	4.44	1.35	9.49	13.2	13.2	11.6	11.6	0.76	0.97	0.57	1.39



Alt Model-Shift Uniqueness Test

003240556-01, P = 0.655638 Days, E = 131.037507 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.59	7.01	6.93	0	4.54	1.59	2.92	-0.34	6.59	0.08	7.01	0.64	0.94	0.20	0.07



Stellar Parameters For KIC 003240556

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8615^{+238}_{-374}	$3.784^{+0.405}_{-0.135}$	$-0.220^{+0.400}_{-0.350}$	$3.003^{+0.881}_{-1.321}$	$2.002^{+0.428}_{-0.428}$	$0.104^{+0.349}_{-0.049}$
	+3%/-4%	+11%/-4%	+182%/-159%	+29%/-44%	+21%/-21%	+335%/-47%
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 003240556-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-45 ± 4	$2.22^{+1.15}_{-1.03}$	6494^{+602}_{-786}	7544^{+4215}_{-1843}	$1.788^{+4.097}_{-1.036}$
Alt.	-94 ± 13	$3.20^{+1.37}_{-1.14}$	6518^{+596}_{-725}	7519^{+2458}_{-1451}	$1.738^{+2.622}_{-0.886}$

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 $A_{obs} \gg 1.0$

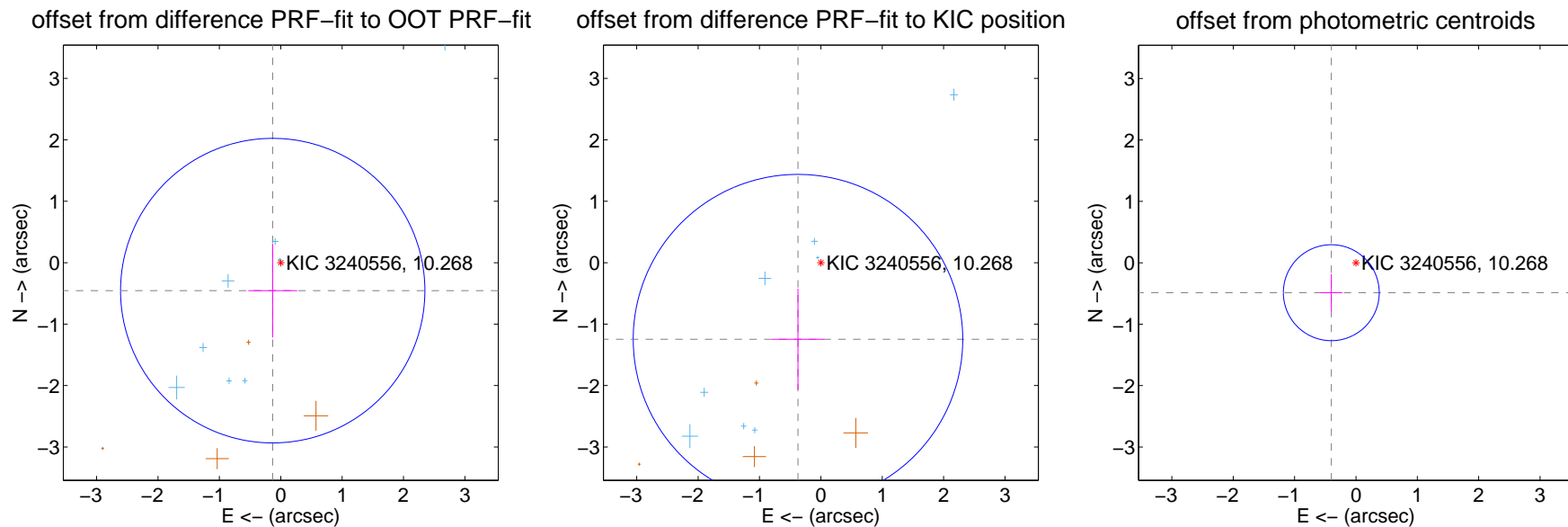
DV Centroid Data

Supplemental centroid analysis for 003240556-01. **Kepler magnitude: 10.27.** Transit SNR 11.26

There are 10 quarters with good PRF difference image offsets

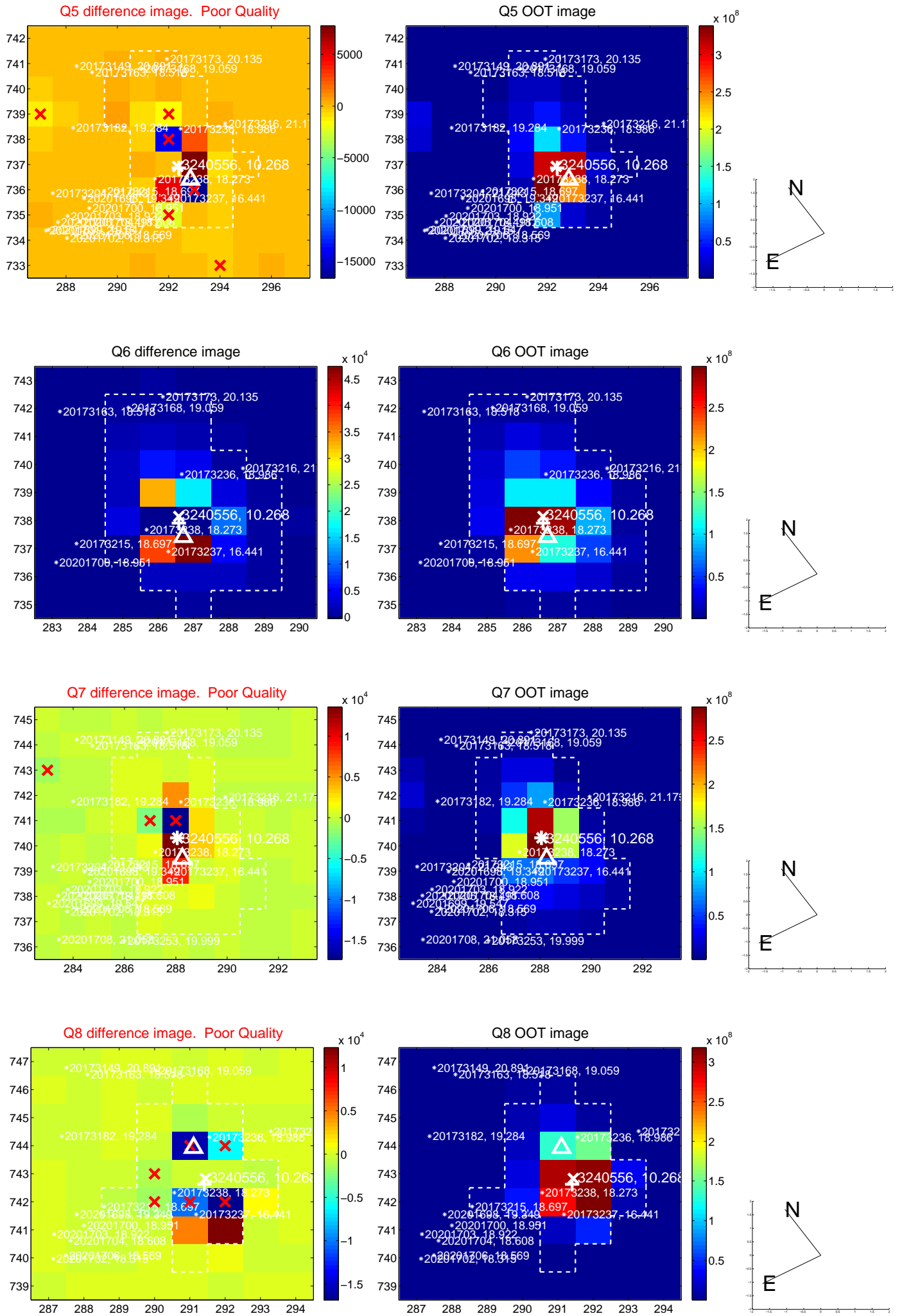
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.473 ± 0.826	0.57	0.131 ± 0.398	-0.455 ± 0.762
PRF-fit source offset from KIC position	1.301 ± 0.895	1.45	0.373 ± 0.428	-1.247 ± 0.823
photometric centroid source offset	0.63 ± 0.26	2.43	0.40 ± 0.18	-0.49 ± 0.30

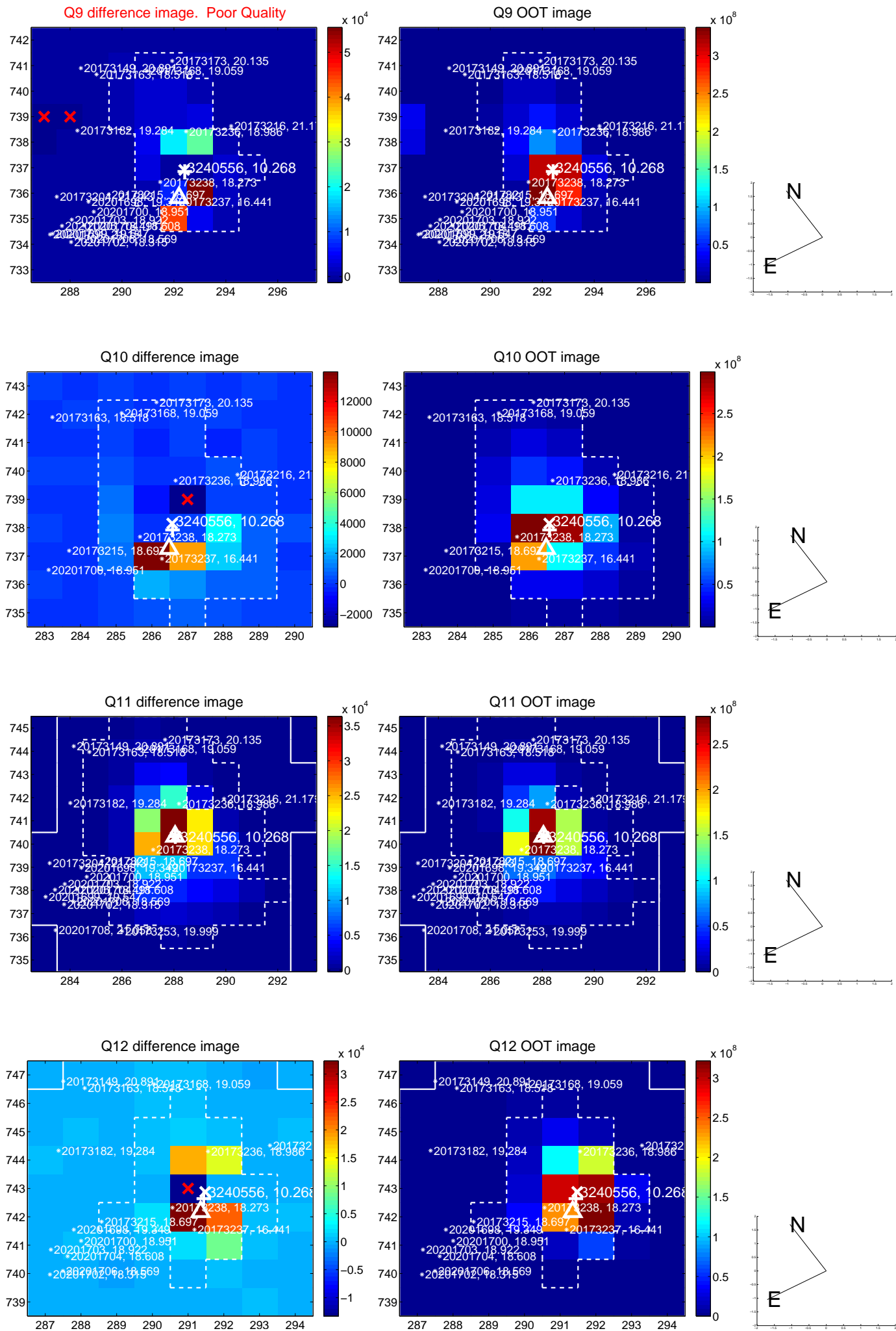


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

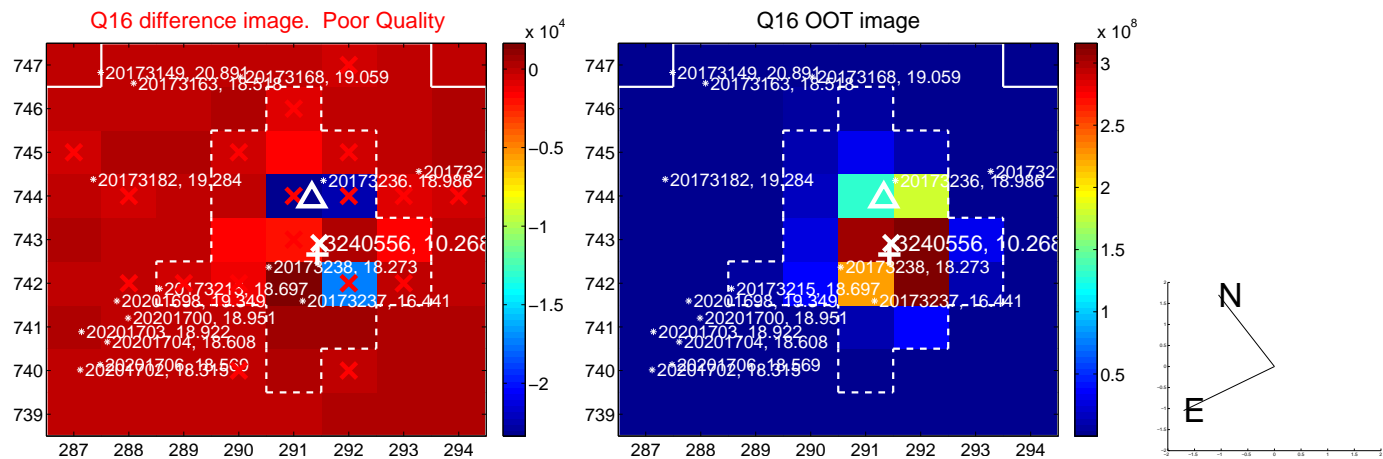
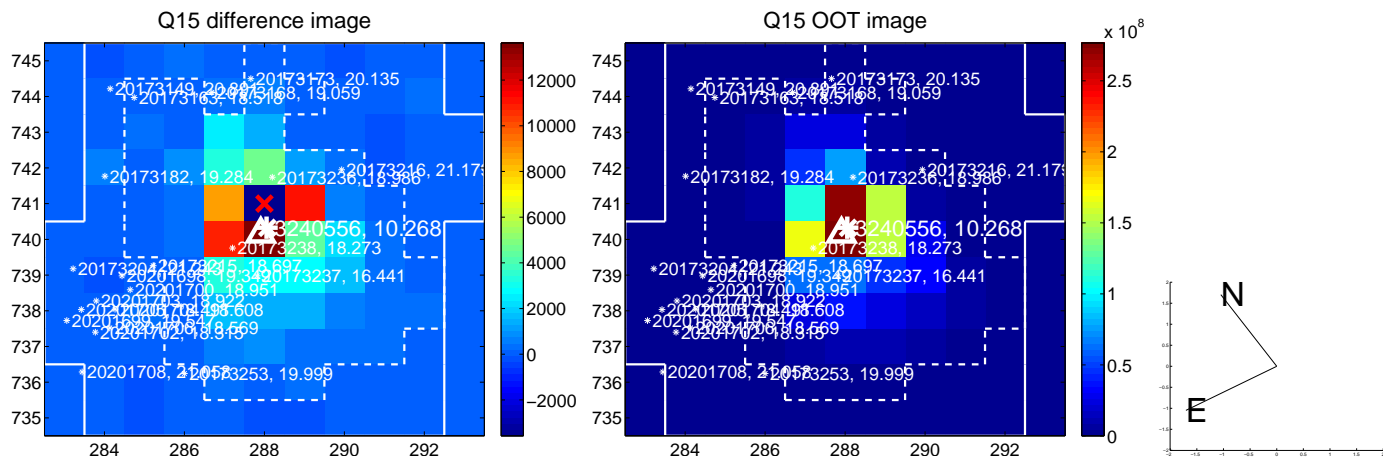
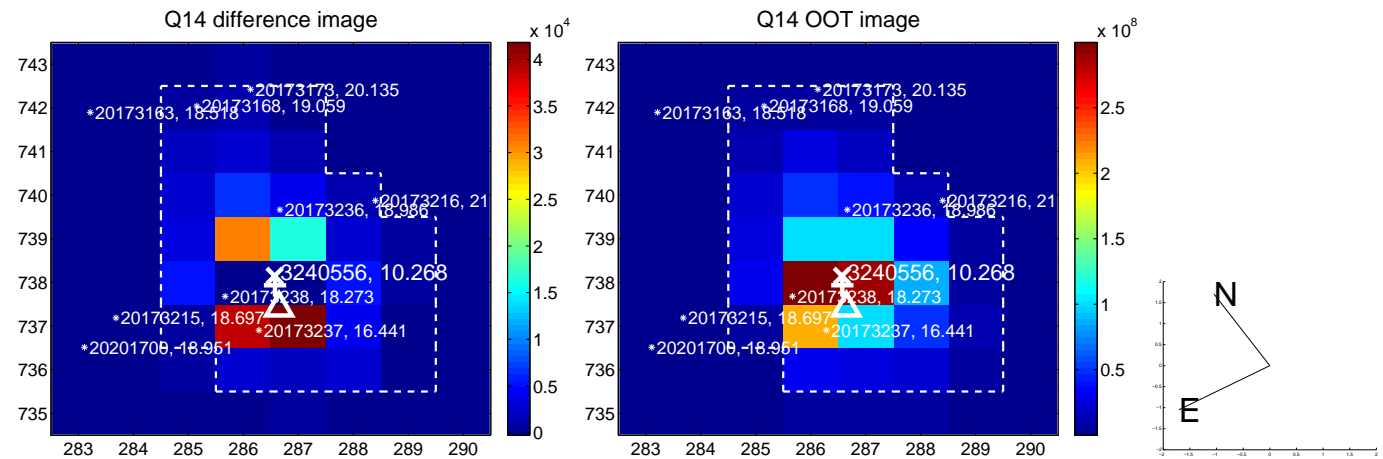
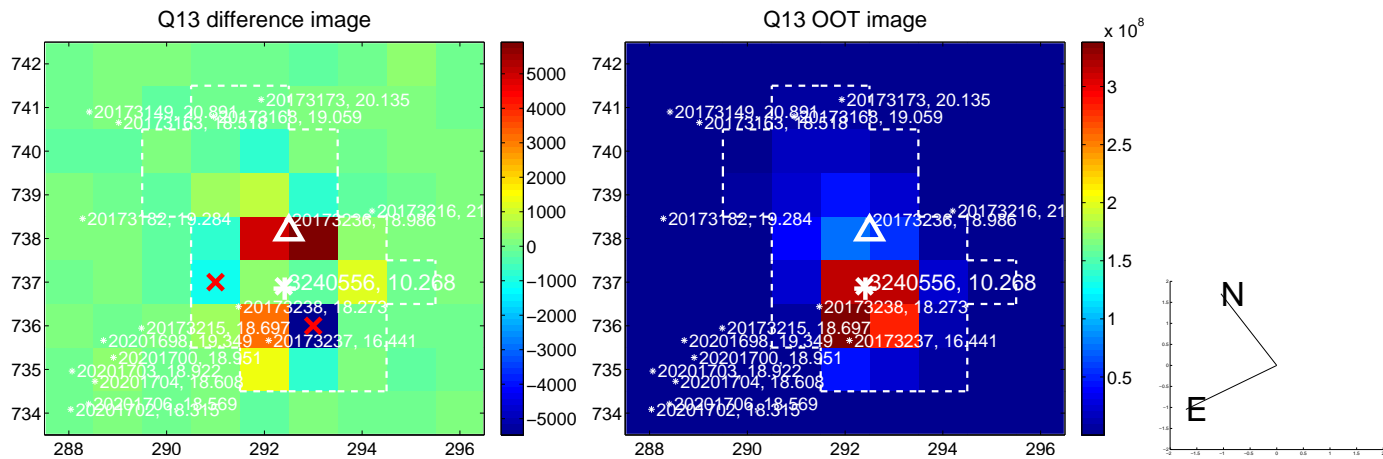
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



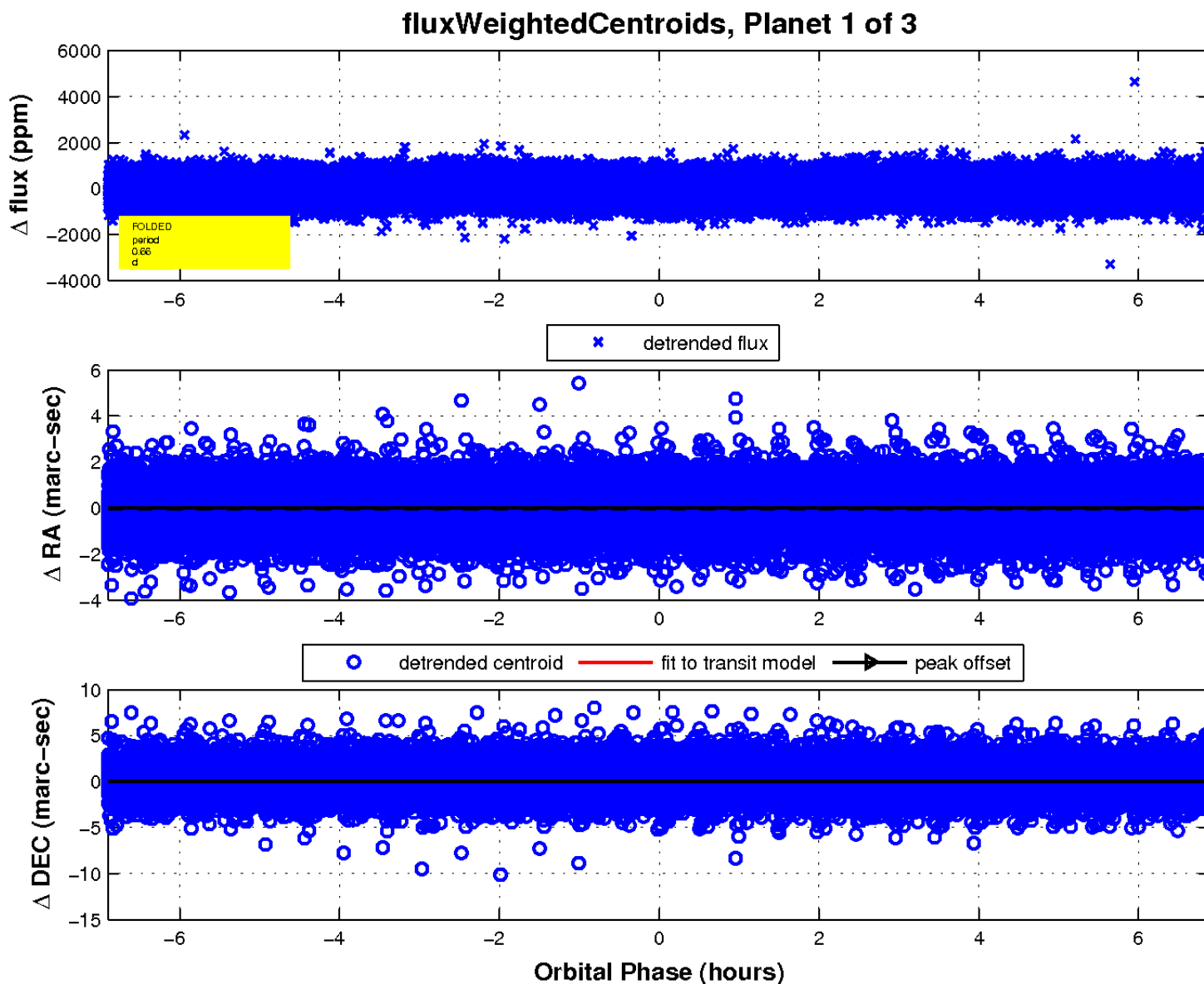
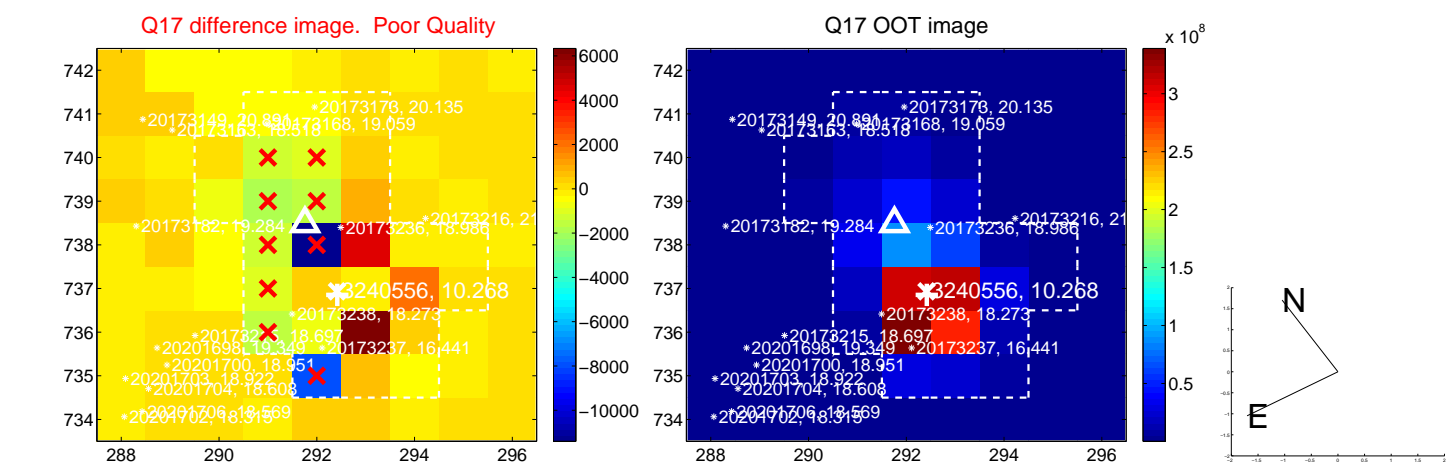
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



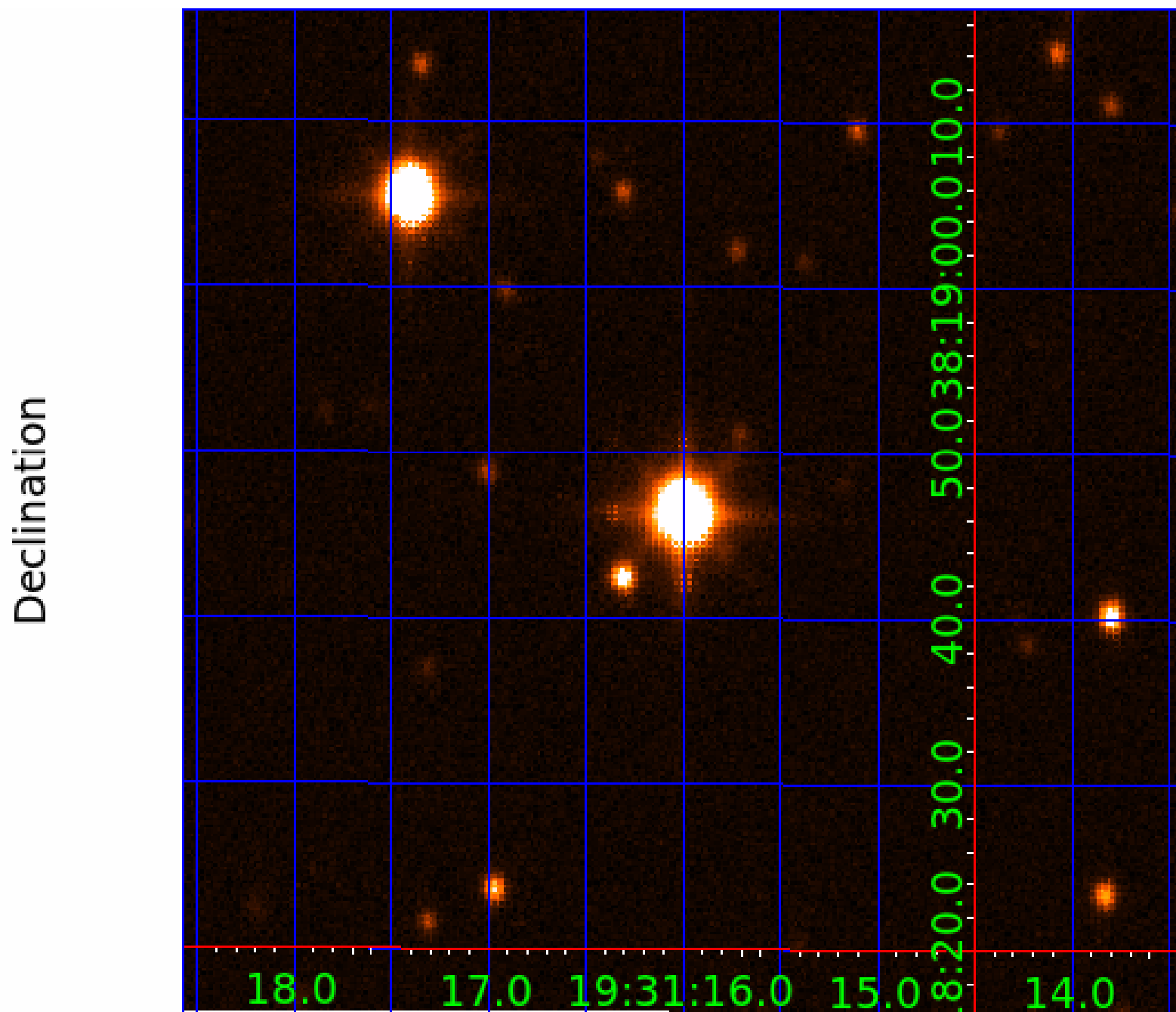
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 003240556

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})
003240556-01	OBS	No	0.655629	131.694957	51.3	2.299	10.0	11.3	3.00	8615	2.49	128452.26
003240556-02	OBS	No	0.655657	132.122082	63.2	0.779	9.0	8.2	3.00	8615	2.80	128444.79
003240556-03	OBS	No	0.655645	131.909110	41.2	2.000	9.4	8.3	3.00	8615	2.24	128447.90

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
003240556-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_SATURATED
003240556-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_SATURATED
003240556-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD—CENT_SATURATED

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

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

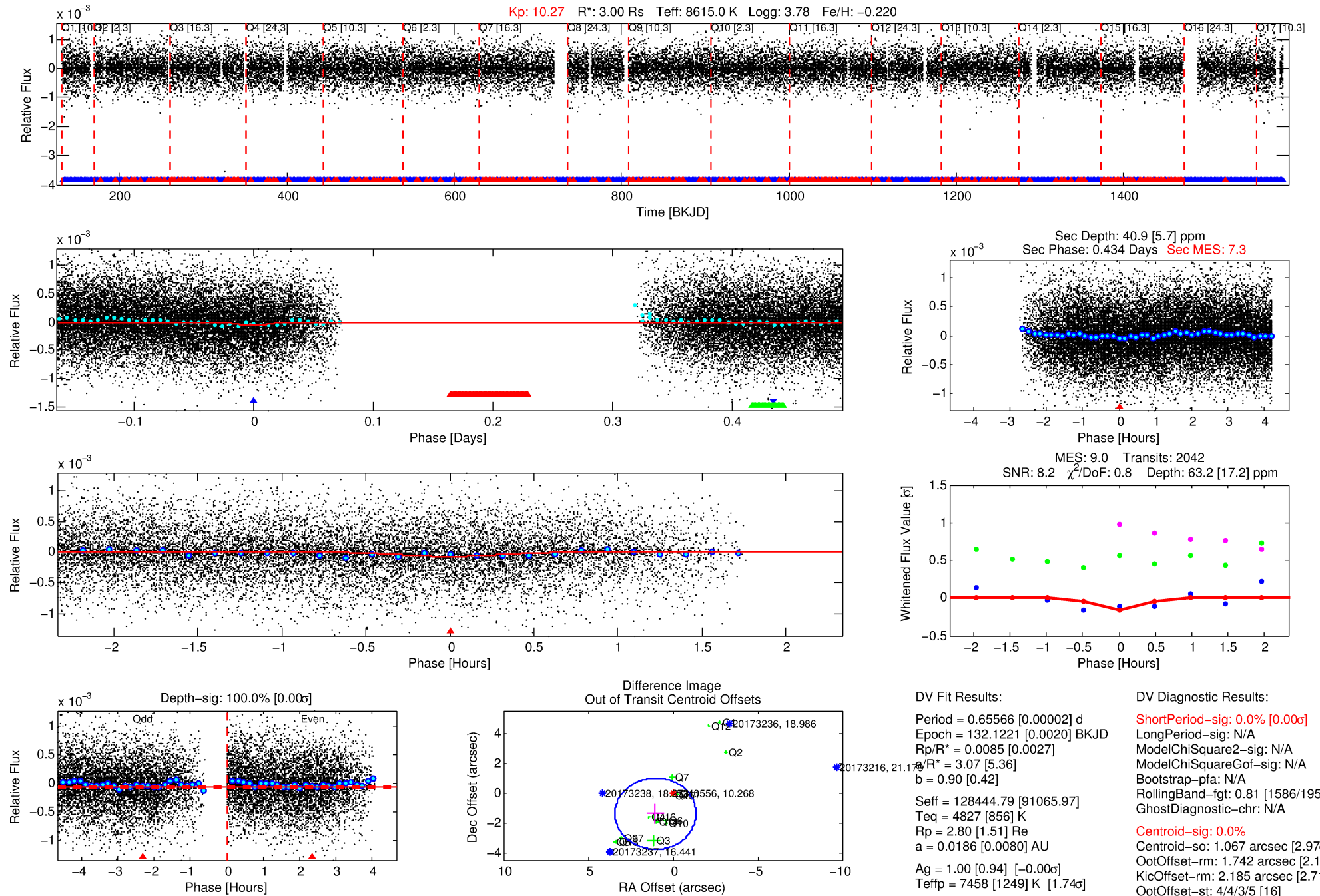
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 003240556-02

No Significant Match Found

DV One-Page Summary

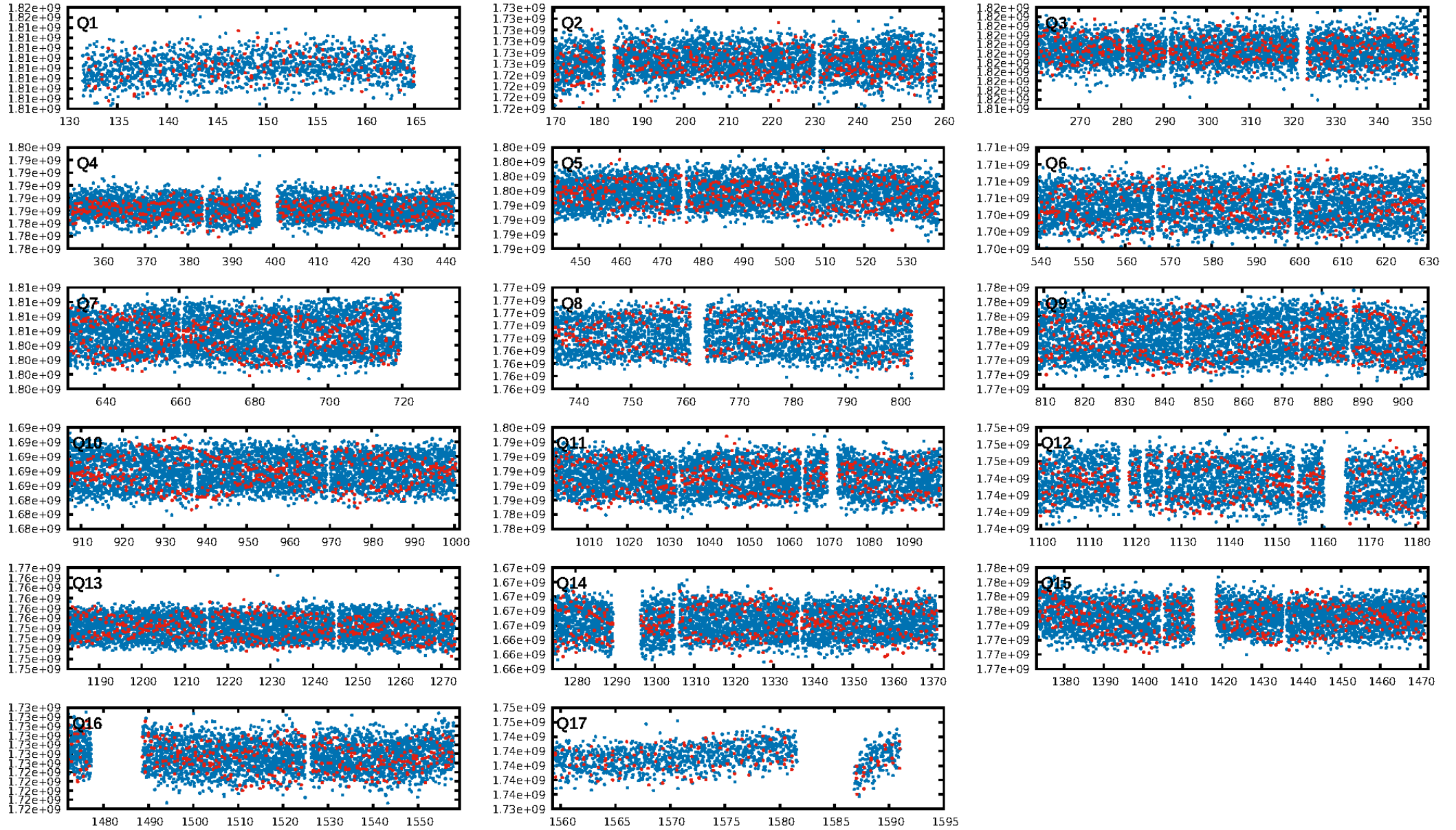
KIC: 3240556 Candidate: 2 of 3 Period: 0.656 d



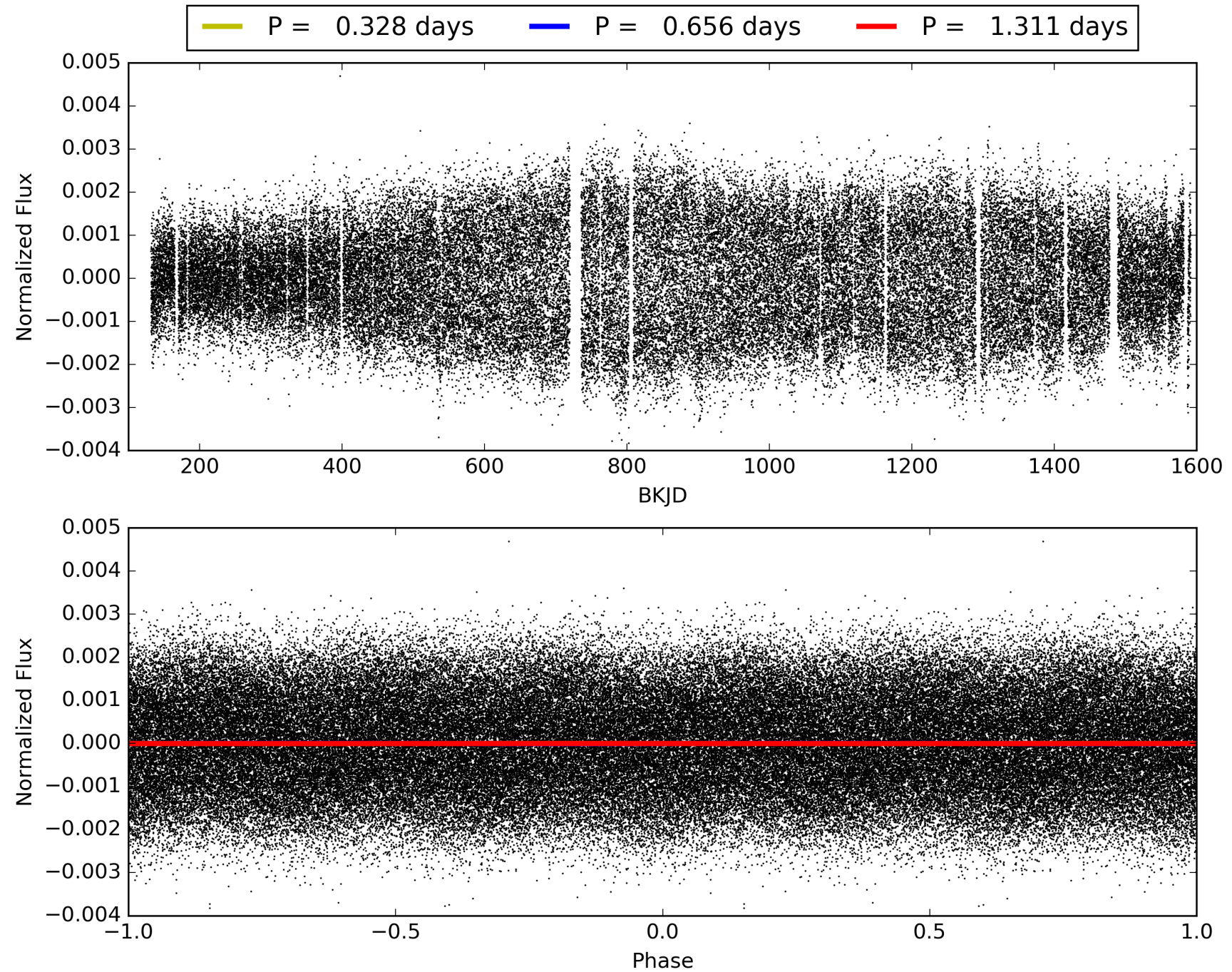
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 17:58:37 Z

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

TCE 003240556-02, PDC Light Curves

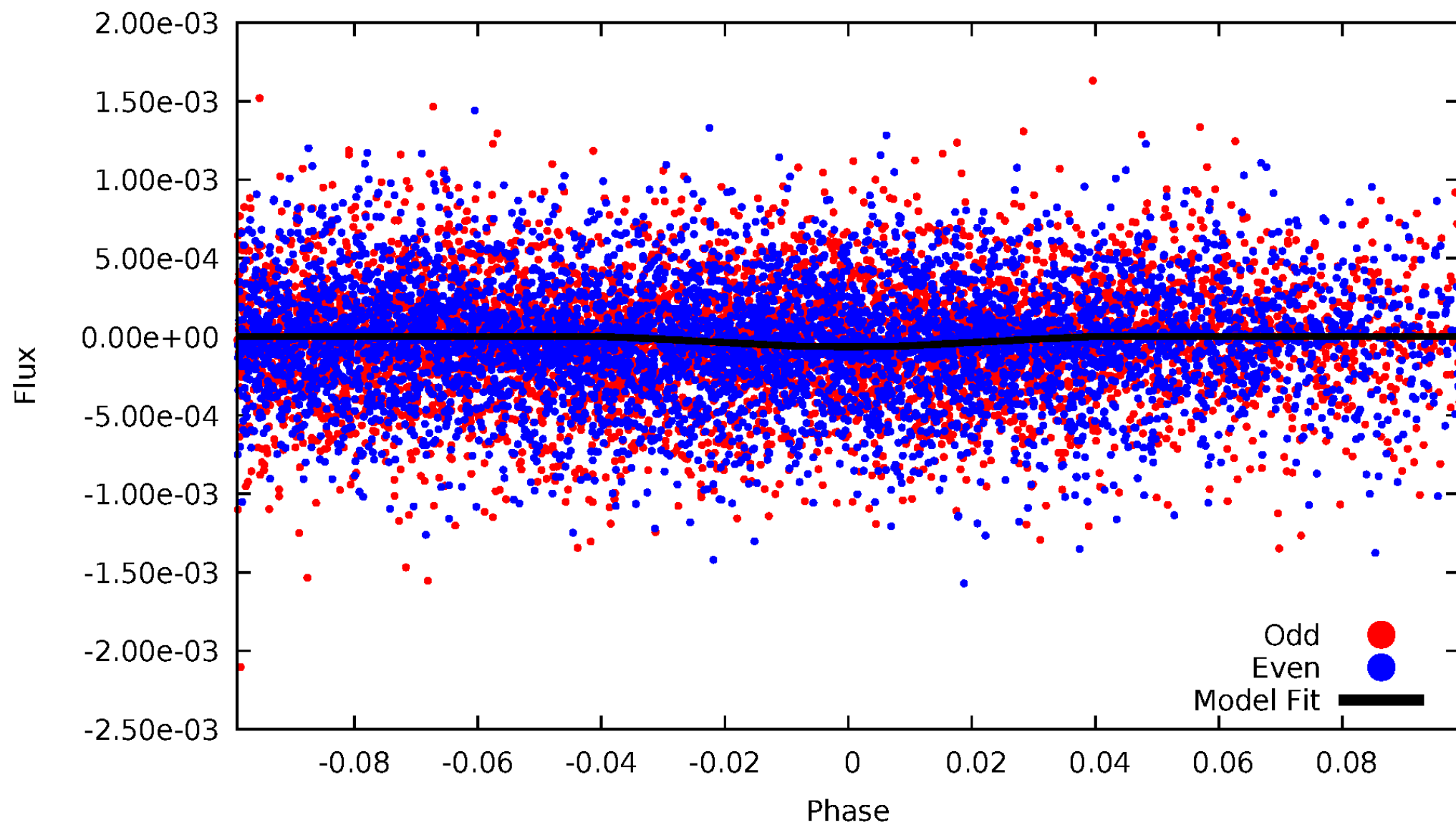


TCE 003240556-02



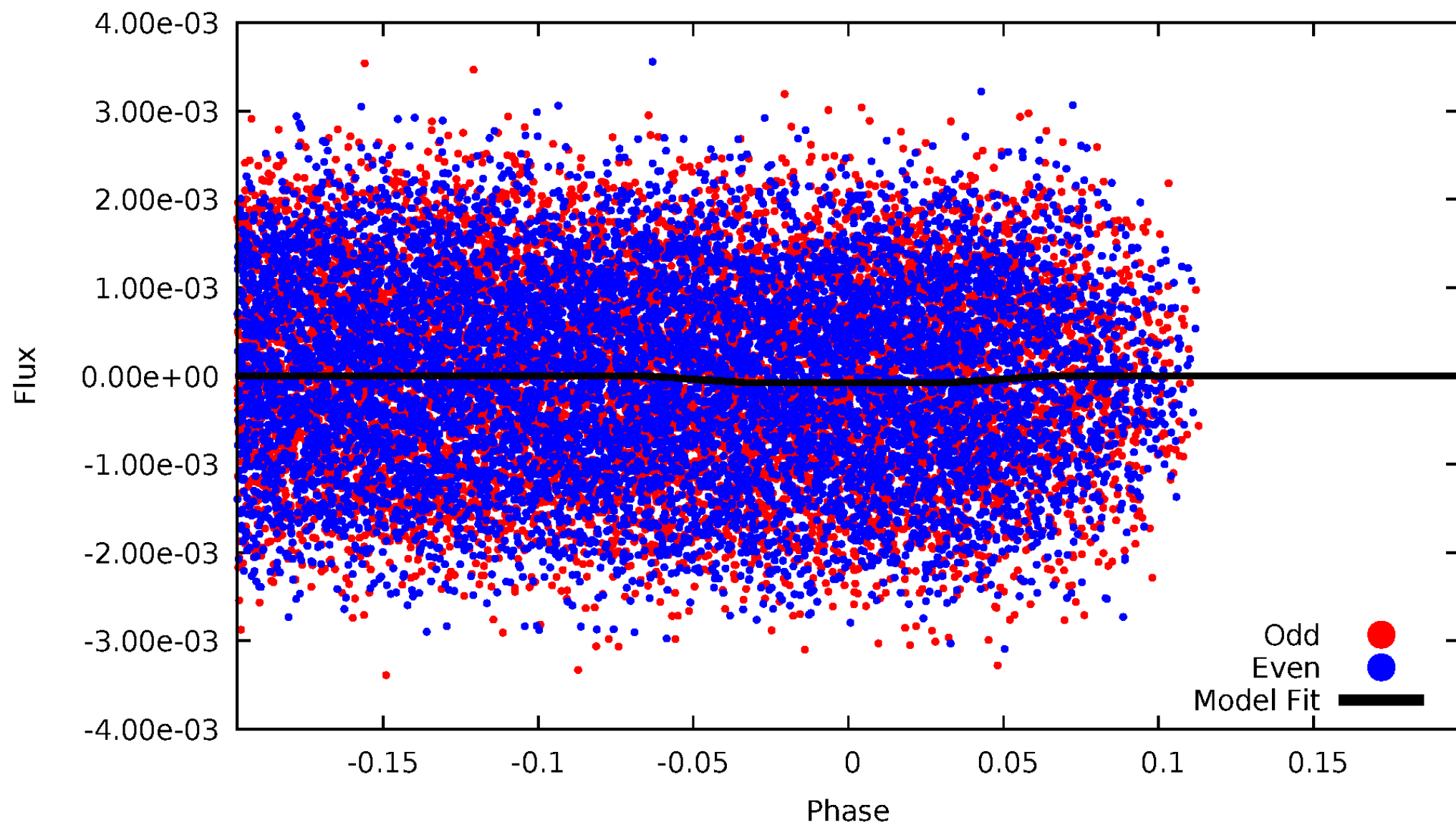
DV Odd/Even

TCE 003240556-02



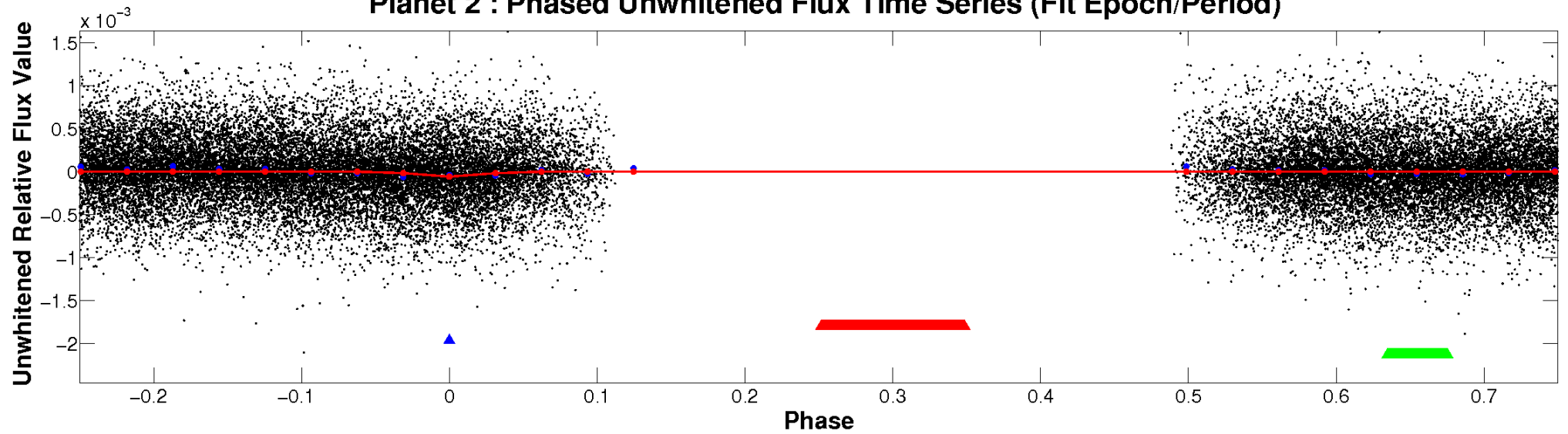
ALT Odd/Even

TCE 003240556-02

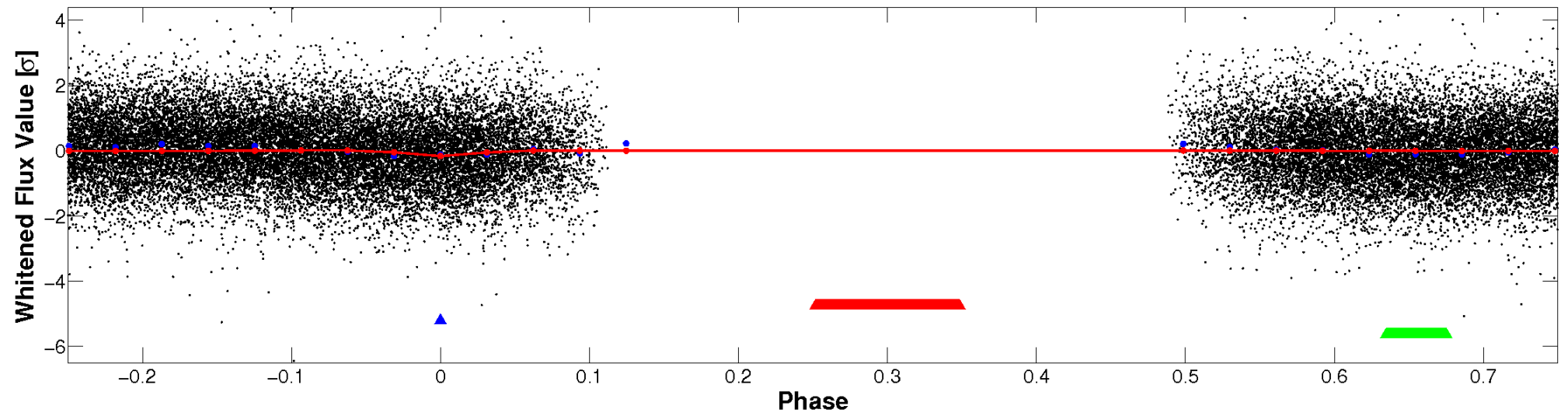


Non-Whitened Vs. Whitened Light Curve

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

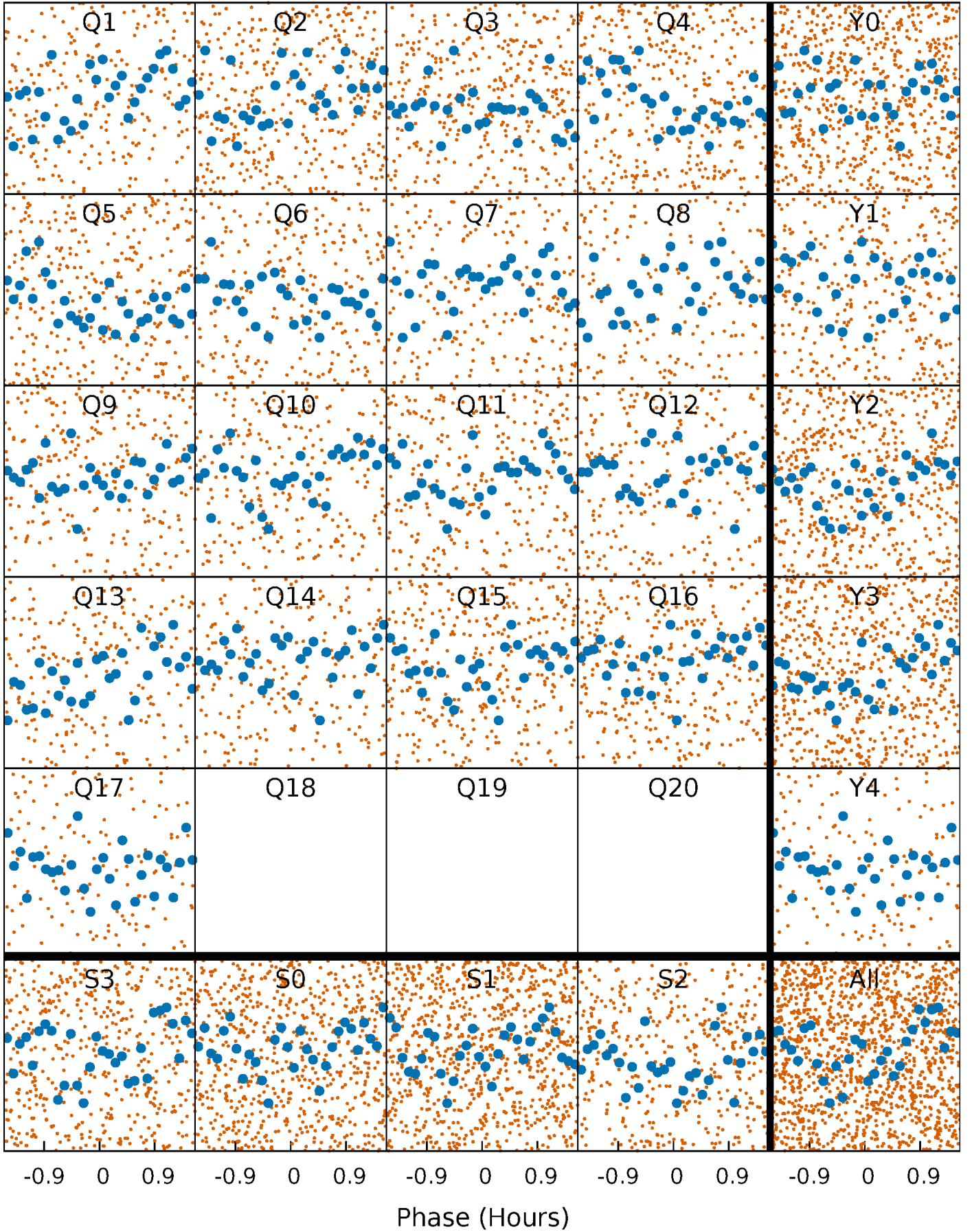


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



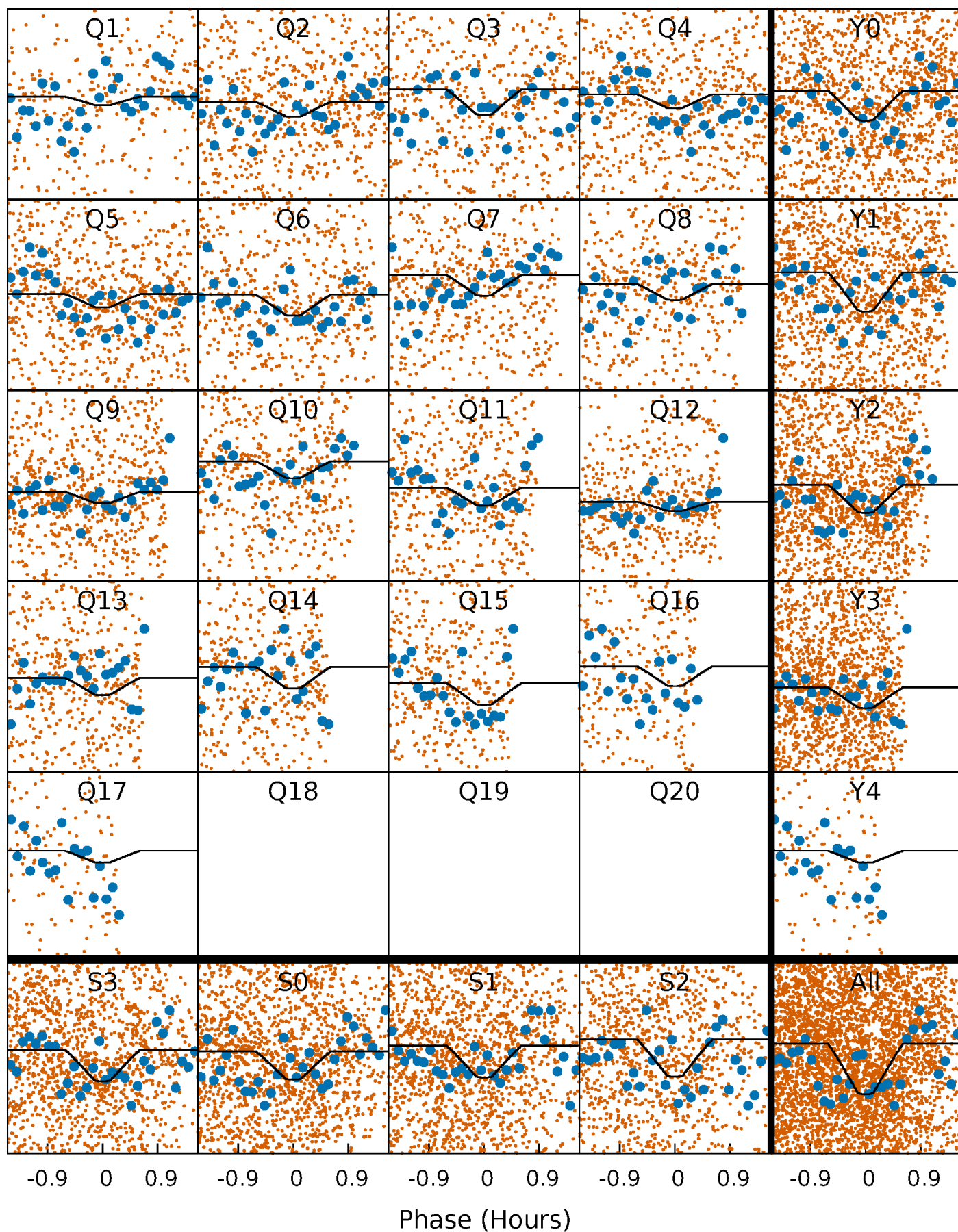
PDC Quarter-Phased Transit Curves

TCE 003240556-02 P= 0.655657 Days $T_0=132.122082$ (BKJD)



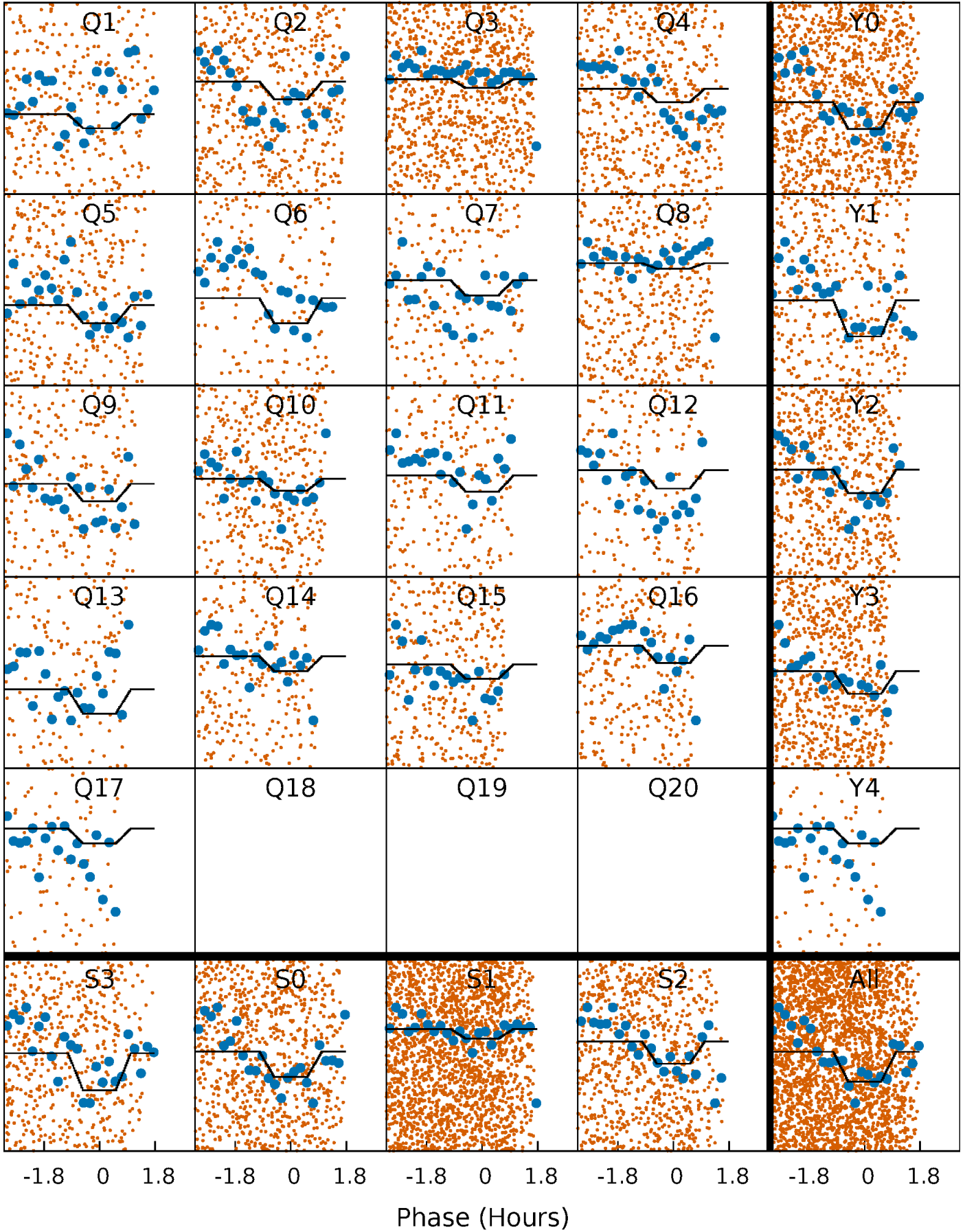
DV Quarter-Phased Transit Curves

TCE 003240556-02 P= 0.655657 Days $T_0=132.122082$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

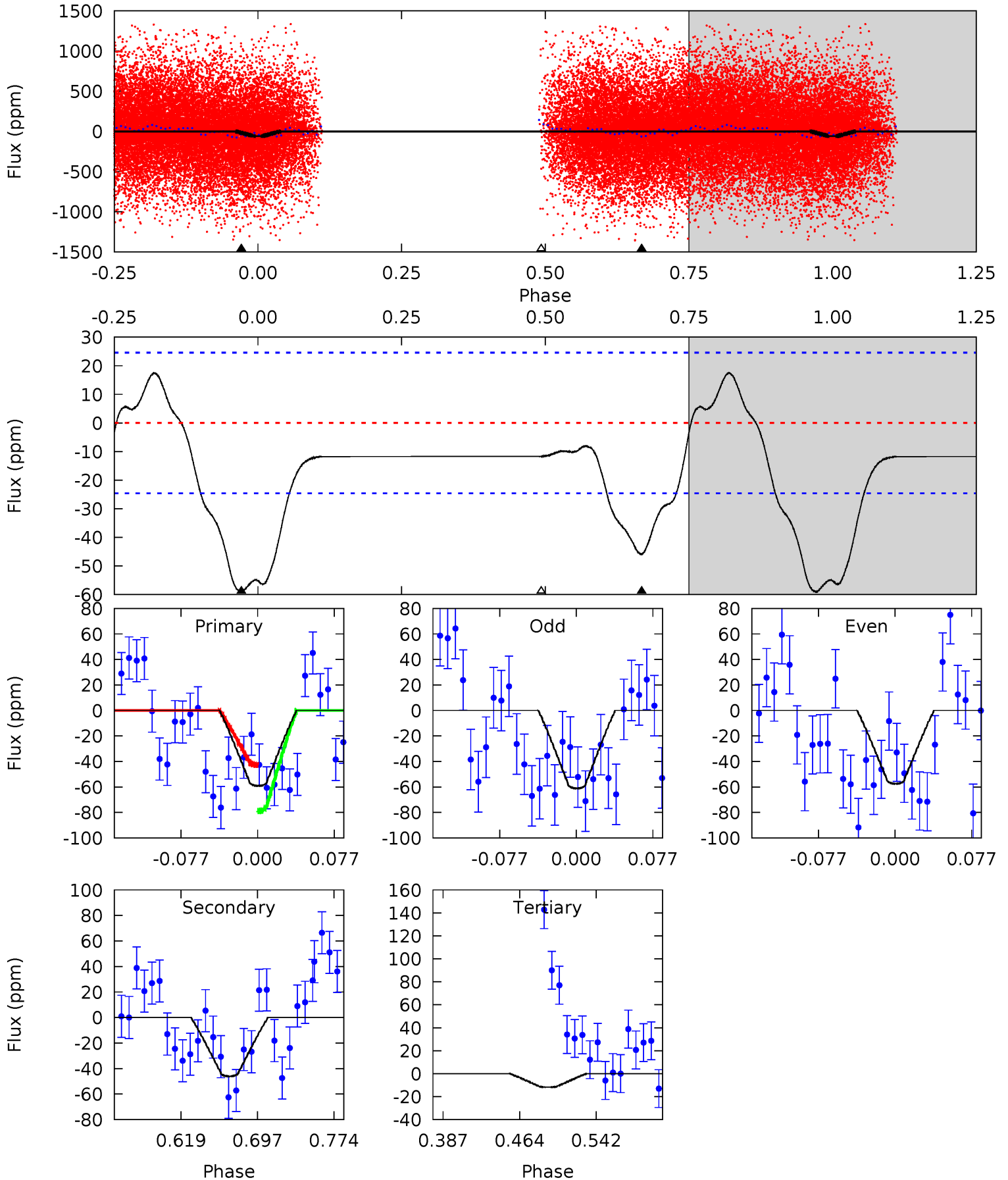
TCE 003240556-02 P= 0.655652 Days $T_0=132.121728$ (BKJD)



DV Model-Shift Uniqueness Test

003240556-02, P = 0.655657 Days, E = 131.466425 Days

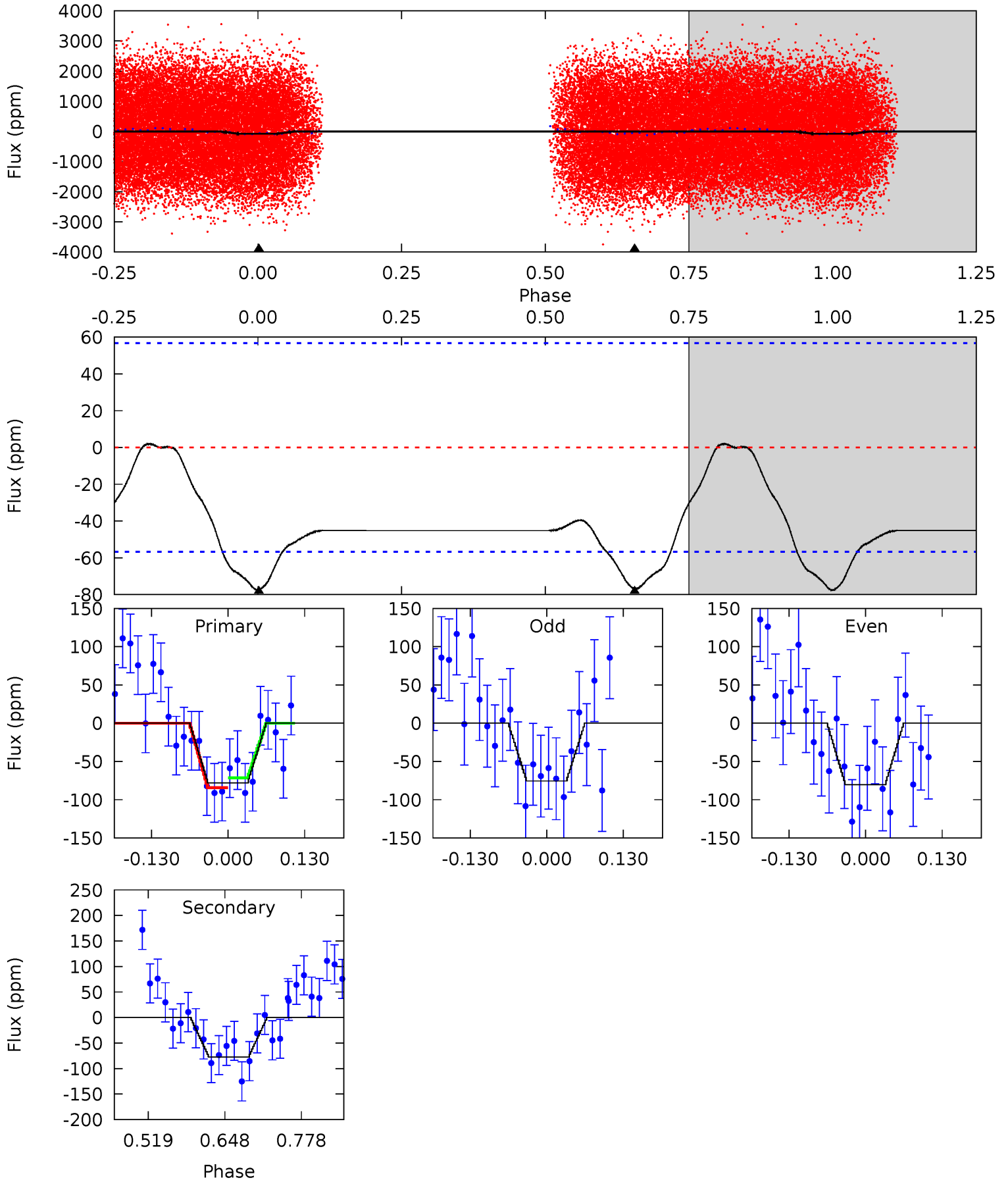
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.1	8.64	2.21	0	4.62	1.77	2.06	8.89	11.1	6.43	8.64	0.35	0.97	0.23	3.39



Alt Model-Shift Uniqueness Test

003240556-02, P = 0.655652 Days, E = 131.466076 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.19	6.14	0	0	4.51	1.52	0.63	6.19	6.19	6.14	6.14	0.19	1.02	0.03	0.56



Stellar Parameters For KIC 003240556

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8615^{+238}_{-374}	$3.784^{+0.405}_{-0.135}$	$-0.220^{+0.400}_{-0.350}$	$3.003^{+0.881}_{-1.321}$	$2.002^{+0.428}_{-0.428}$	$0.104^{+0.349}_{-0.049}$
	+3%/-4%	+11%/-4%	+182%/-159%	+29%/-44%	+21%/-21%	+335%/-47%
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 003240556-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-46 ± 5	$2.57^{+1.05}_{-0.95}$	6523^{+571}_{-785}	6875^{+2252}_{-1336}	$1.361^{+1.961}_{-0.675}$
Alt.	-77 ± 13	$2.70^{+1.05}_{-1.01}$	6534^{+571}_{-740}	8012^{+3005}_{-1427}	$2.008^{+3.339}_{-0.934}$

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 $A_{obs} \gg 1.0$

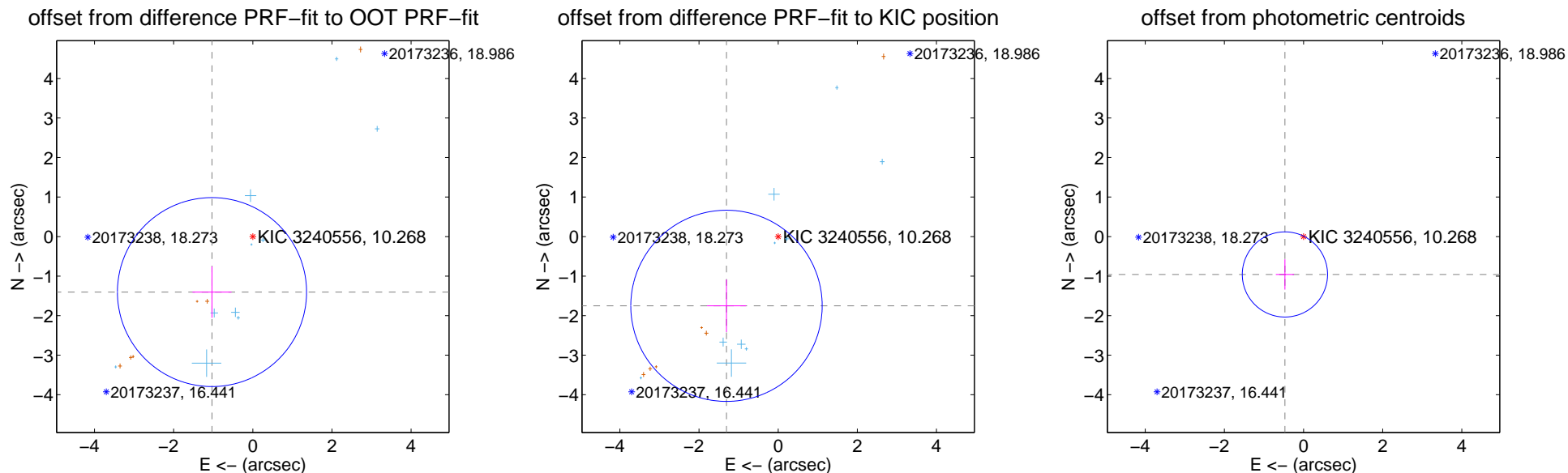
DV Centroid Data

Supplemental centroid analysis for 003240556-02. **Kepler magnitude: 10.27.** Transit SNR 8.20

There are 10 quarters with good PRF difference image offsets

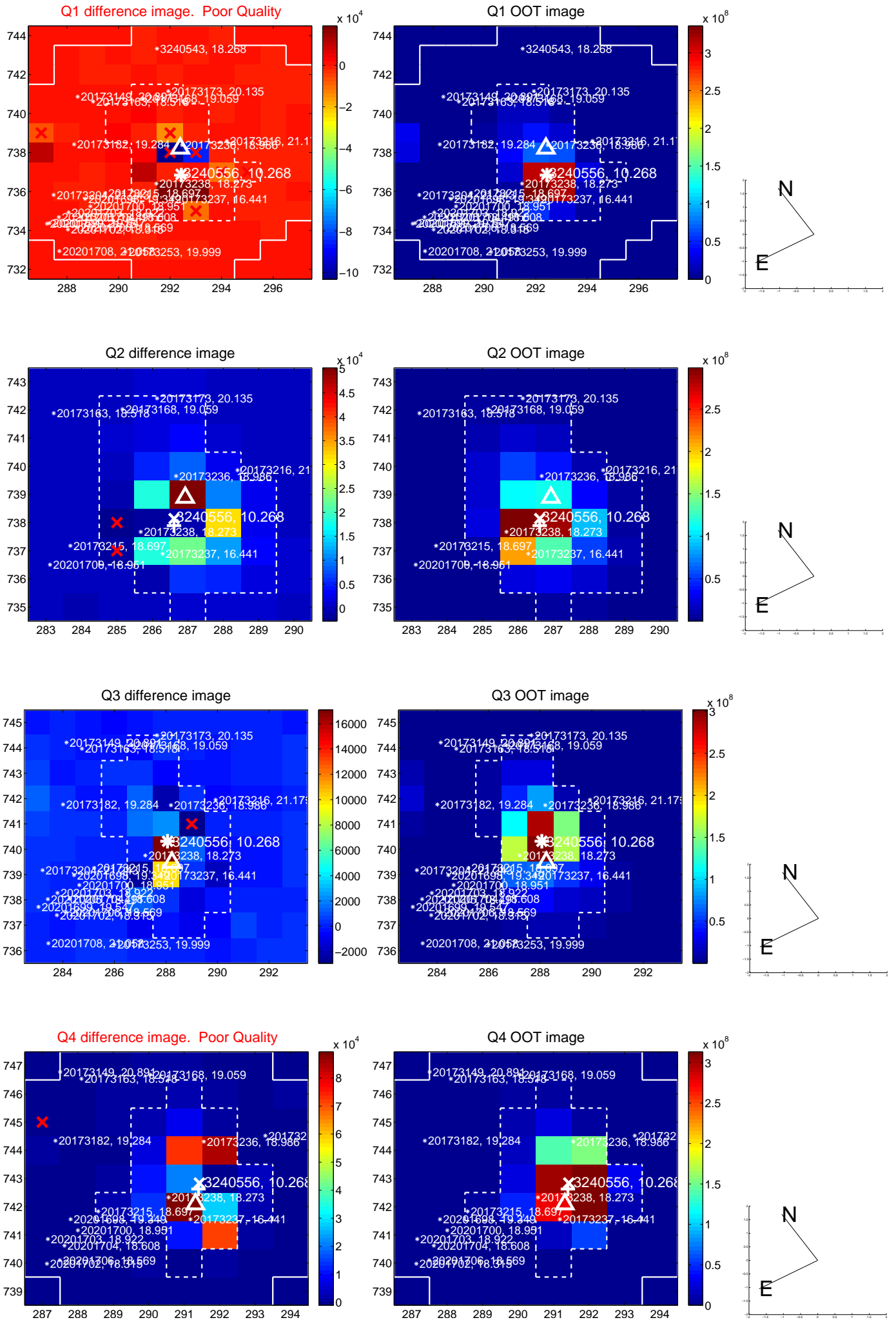
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.742 ± 0.797	2.19	1.031 ± 0.493	-1.404 ± 0.650
PRF-fit source offset from KIC position	2.185 ± 0.806	2.71	1.306 ± 0.494	-1.752 ± 0.664
photometric centroid source offset	1.07 ± 0.36	2.97	0.47 ± 0.23	-0.96 ± 0.38

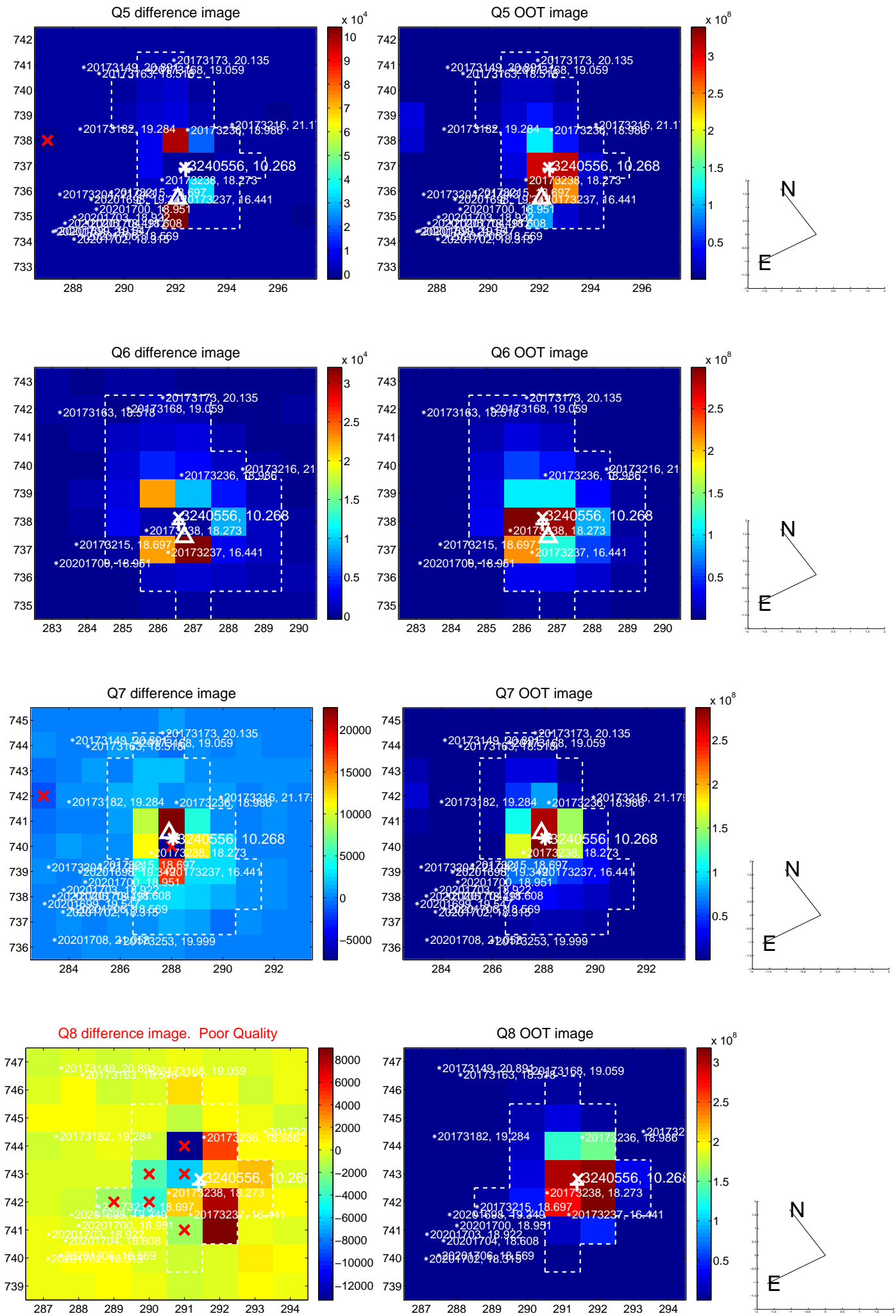


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

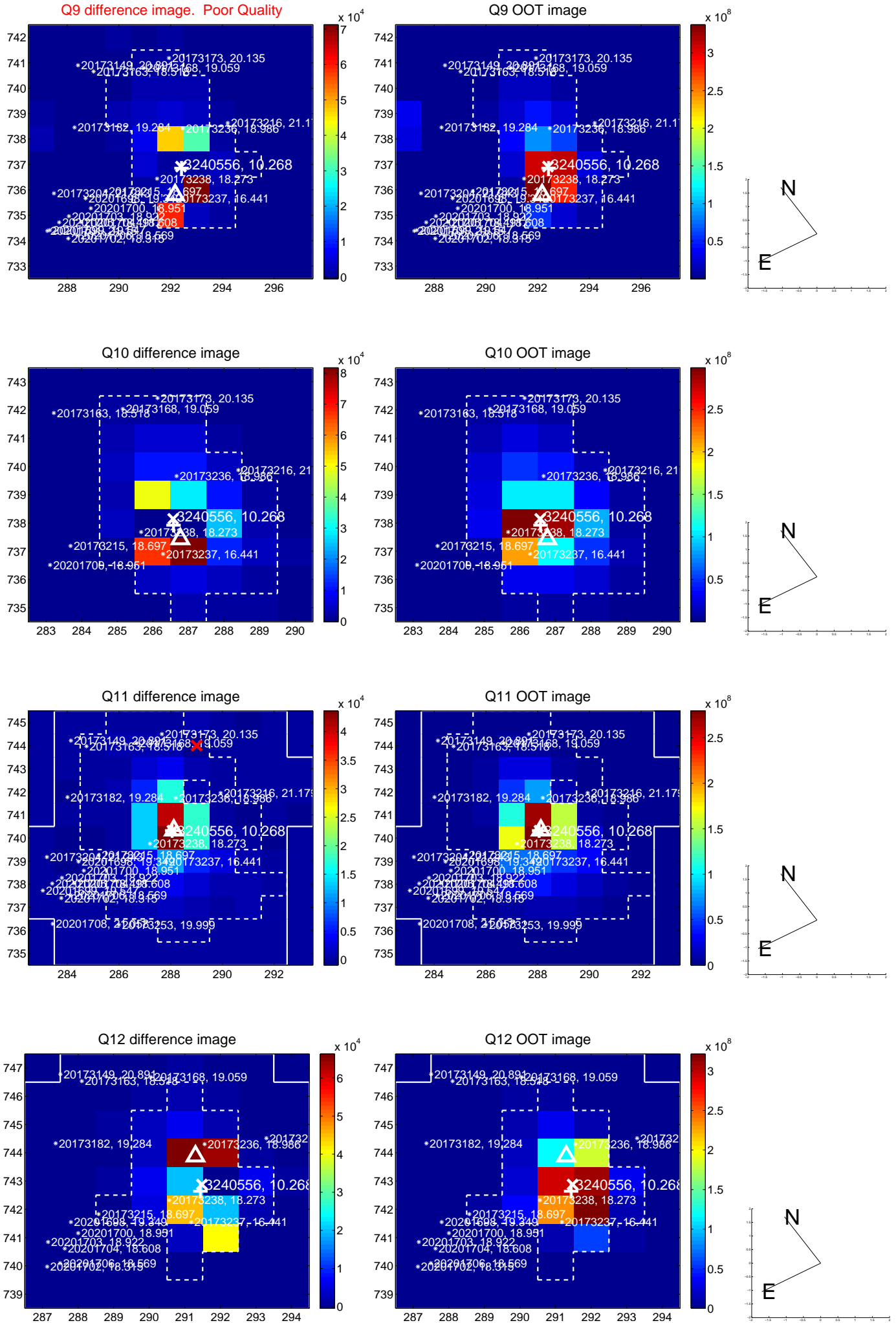
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



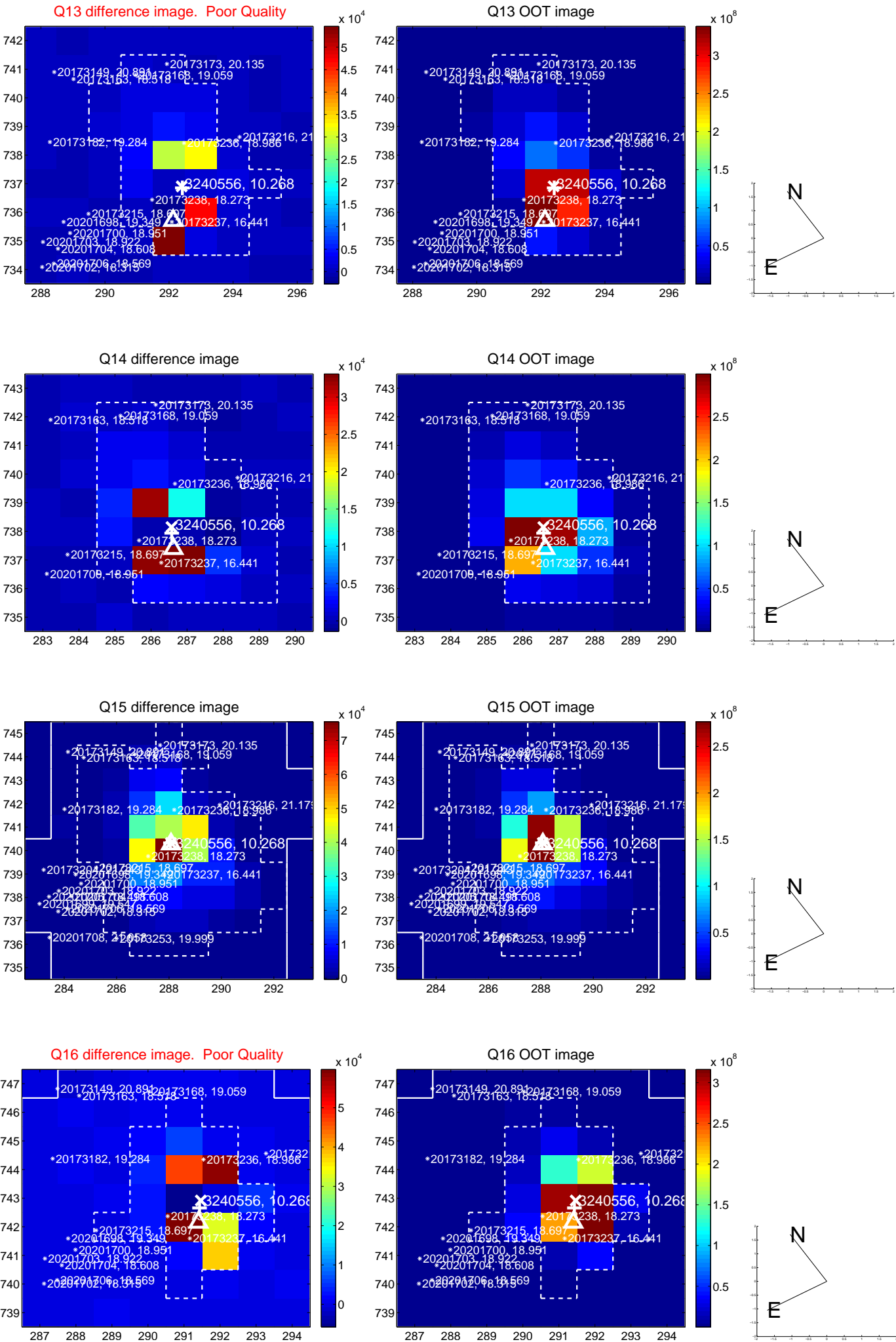
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



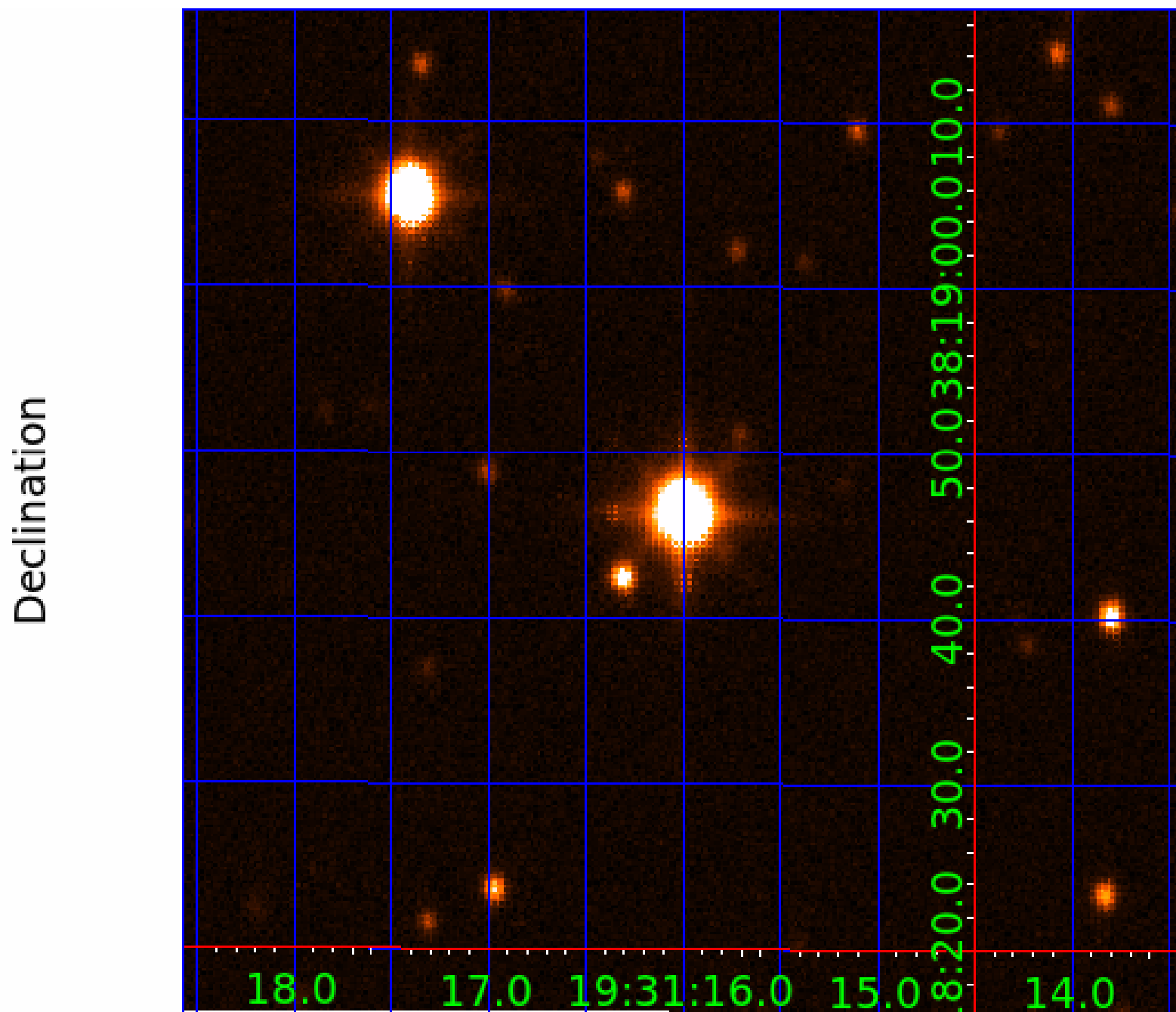
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 003240556

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})
003240556-01	OBS	No	0.655629	131.694957	51.3	2.299	10.0	11.3	3.00	8615	2.49	128452.26
003240556-02	OBS	No	0.655657	132.122082	63.2	0.779	9.0	8.2	3.00	8615	2.80	128444.79
003240556-03	OBS	No	0.655645	131.909110	41.2	2.000	9.4	8.3	3.00	8615	2.24	128447.90

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
003240556-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_SATURATED
003240556-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_SATURATED
003240556-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD—CENT_SATURATED

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

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

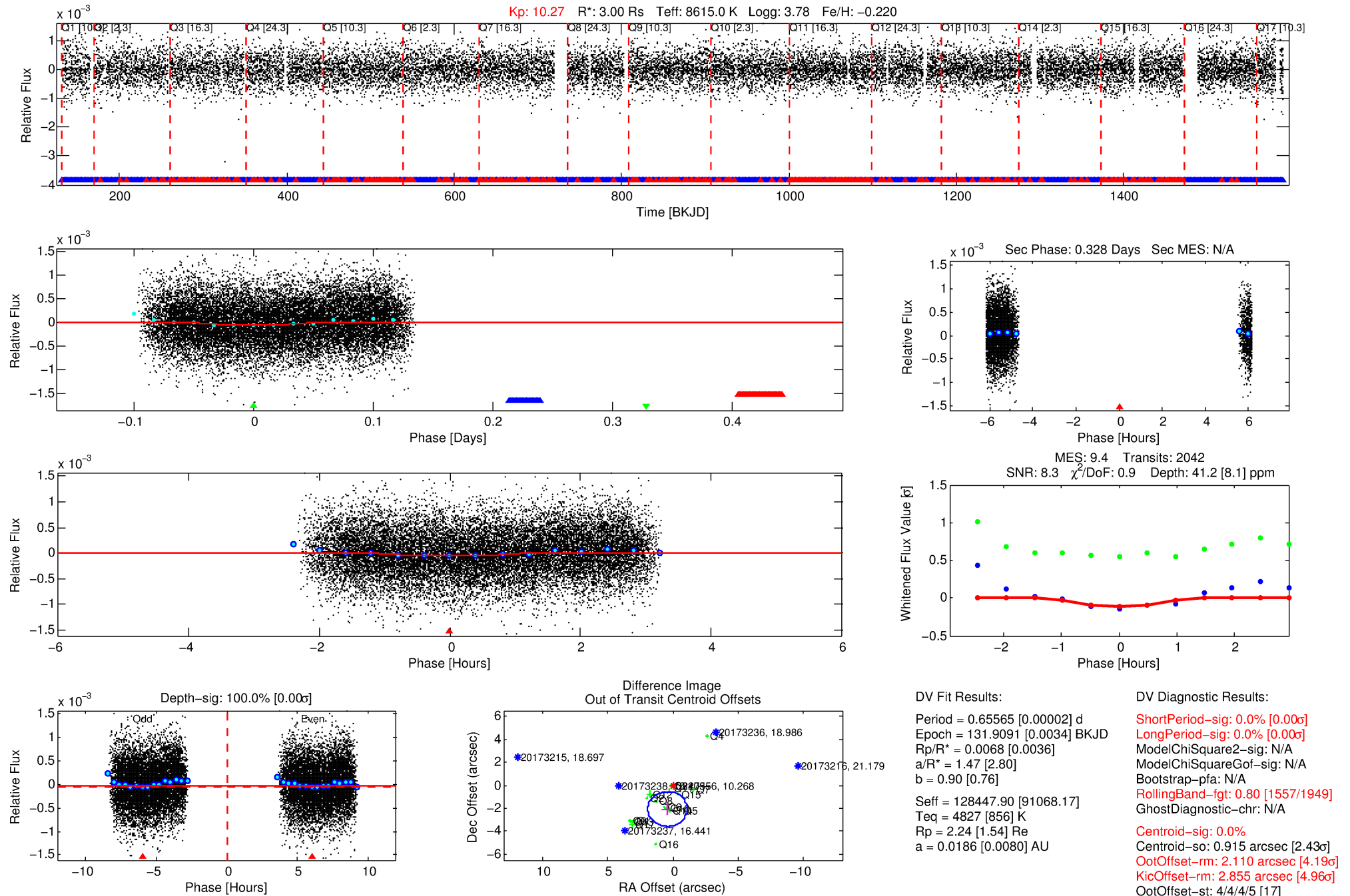
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 003240556-03

No Significant Match Found

DV One-Page Summary

KIC: 3240556 Candidate: 3 of 3 Period: 0.656 d



DV Fit Results:

Period = 0.65565 [0.00002] d
Epoch = 131.9091 [0.0034] BKJD
Rp/R* = 0.0068 [0.0036]
a/R* = 1.47 [2.80]
b = 0.90 [0.76]
Seff = 128447.90 [91068.17]
Teff = 4827 [856] K
Rp = 2.24 [1.54] Re
a = 0.0186 [0.0080] AU

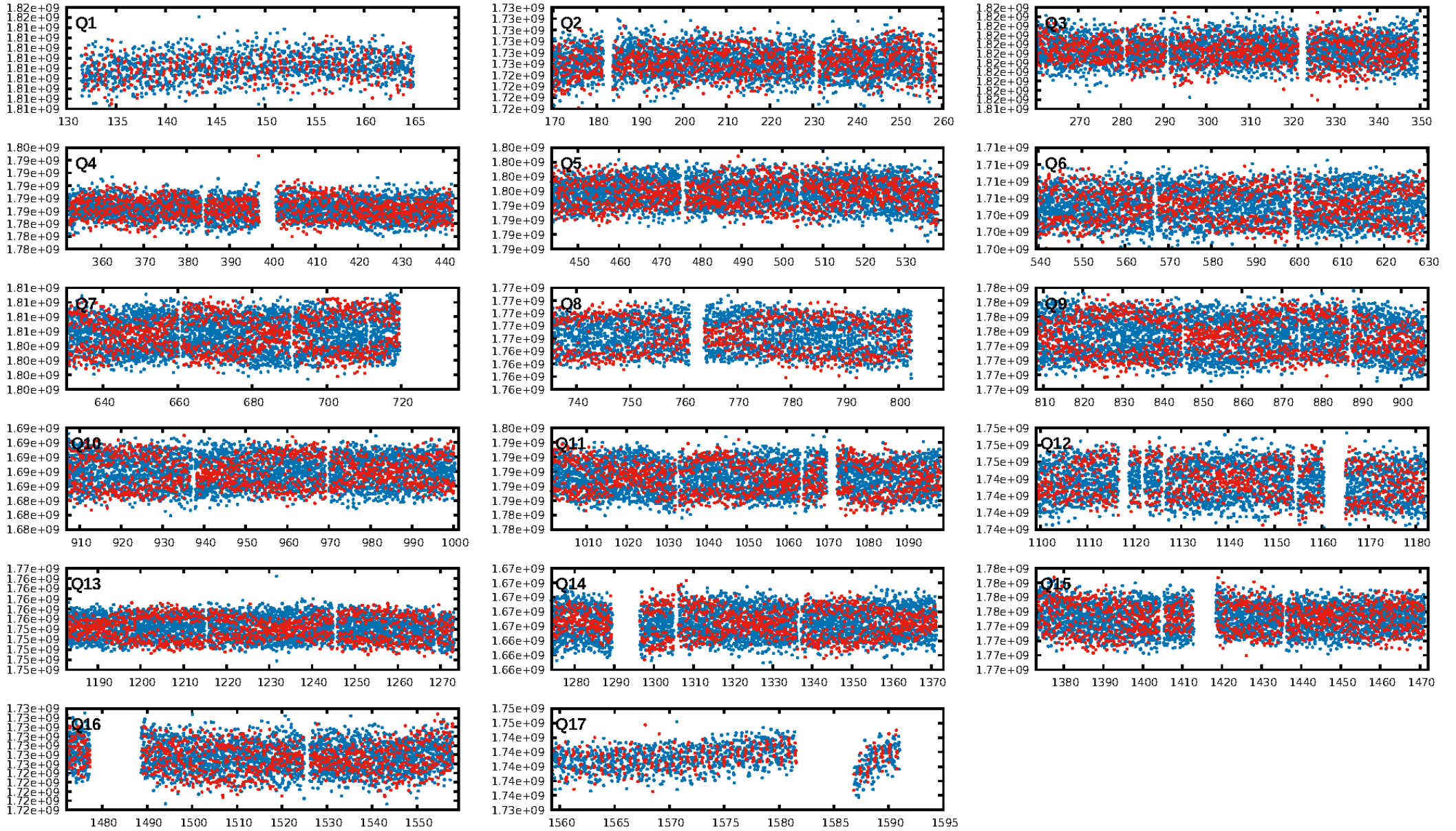
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00e]
LongPeriod-sig: 0.0% [0.00e]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.80 [1557/1949]
GhostDiagnostic-chr: N/A
Centroid-sig: 0.0%
Centroid-so: 0.915 arcsec [2.43σ]
OotOffset-rm: 2.110 arcsec [4.19σ]
KicOffset-rm: 2.855 arcsec [4.96σ]
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]

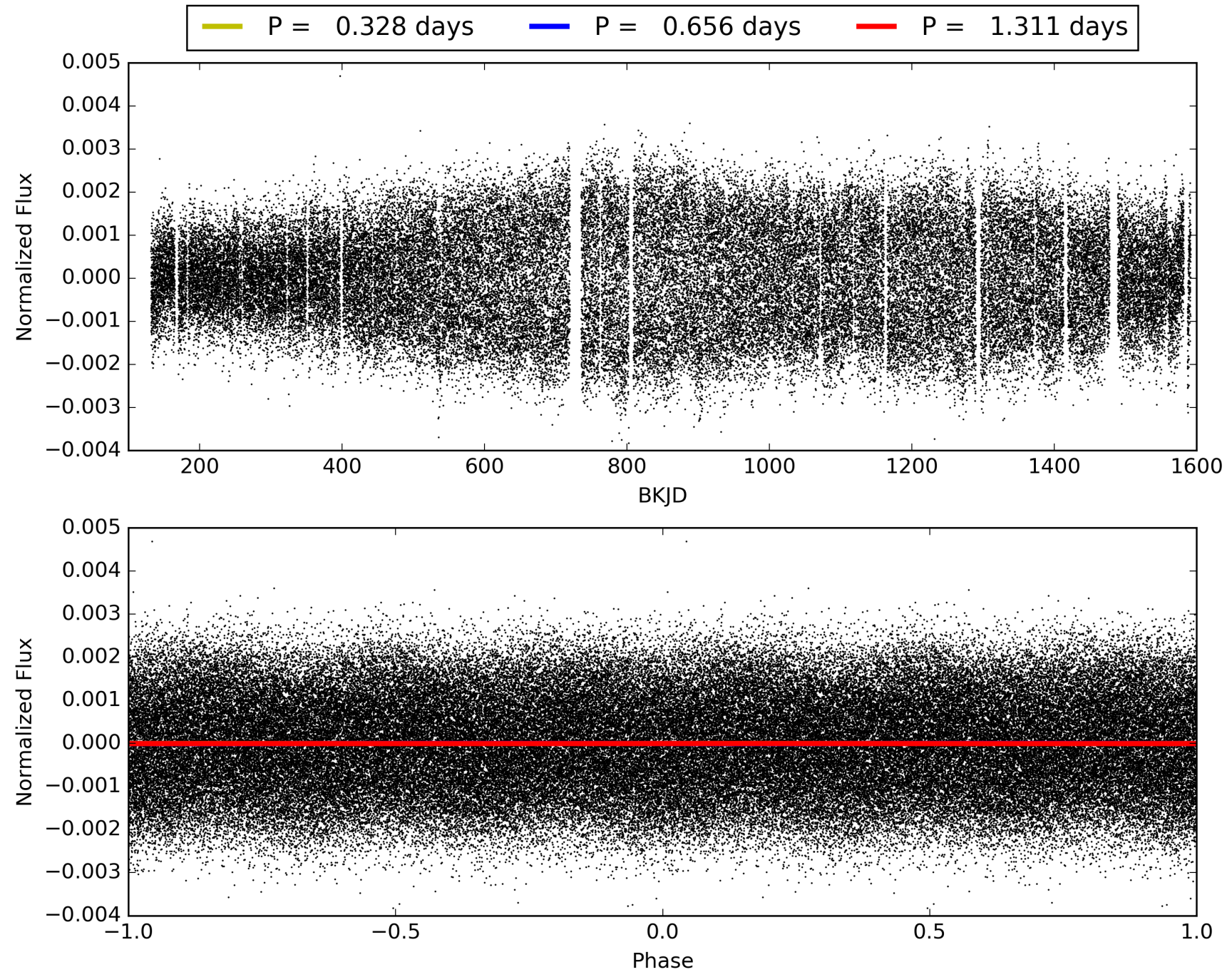
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 17:58:45 Z

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

TCE 003240556-03, PDC Light Curves

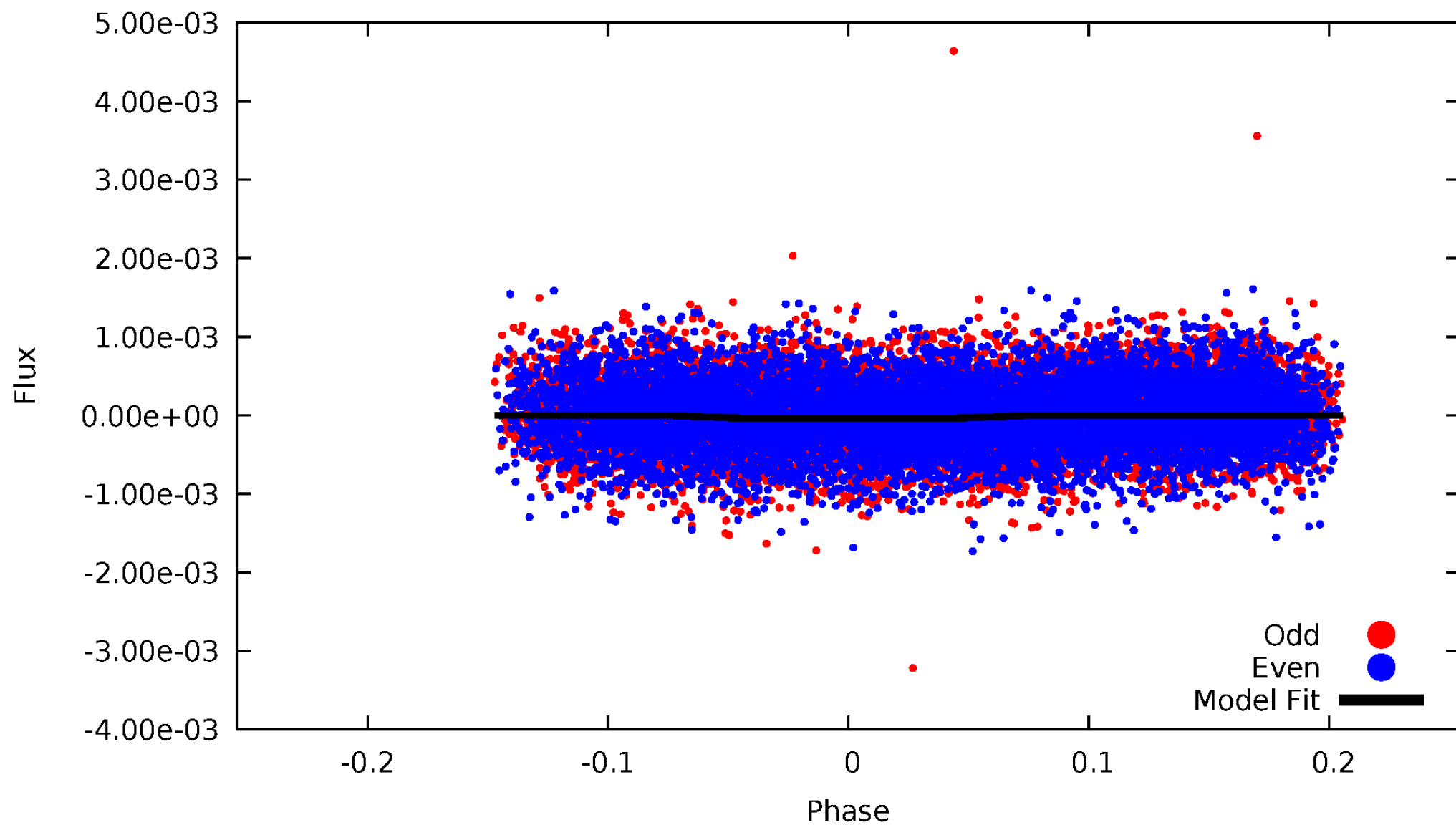


TCE 003240556-03



DV Odd/Even

TCE 003240556-03

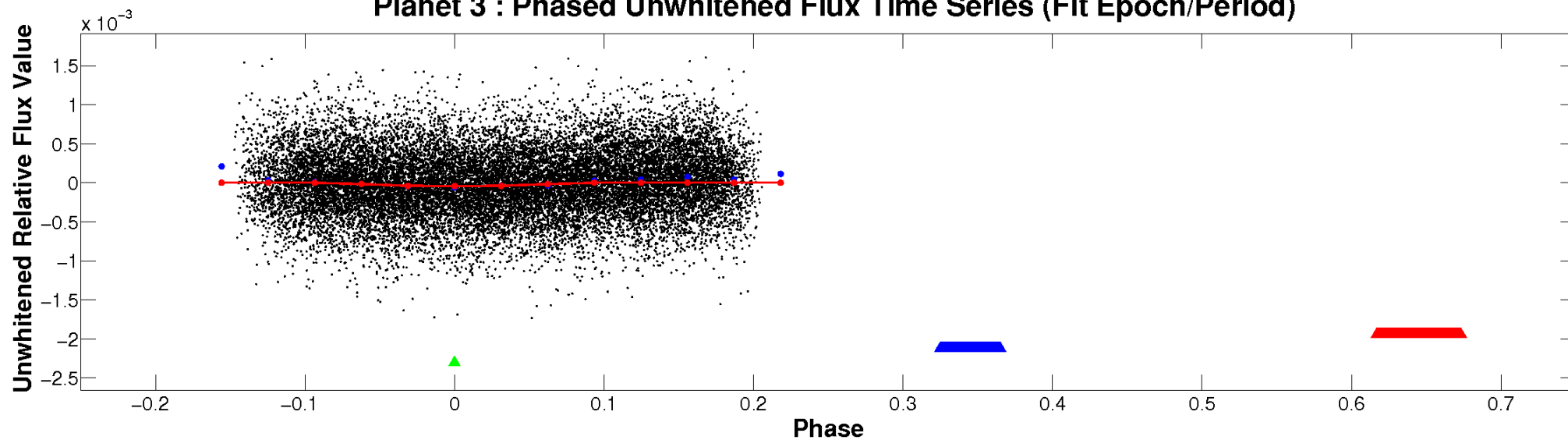


ALT Odd/Even

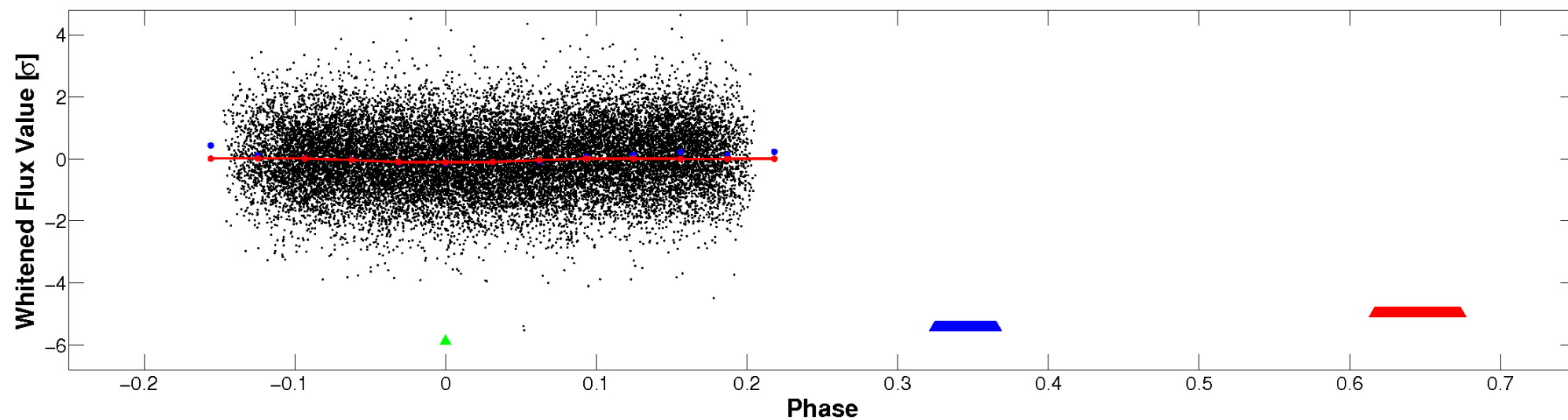
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

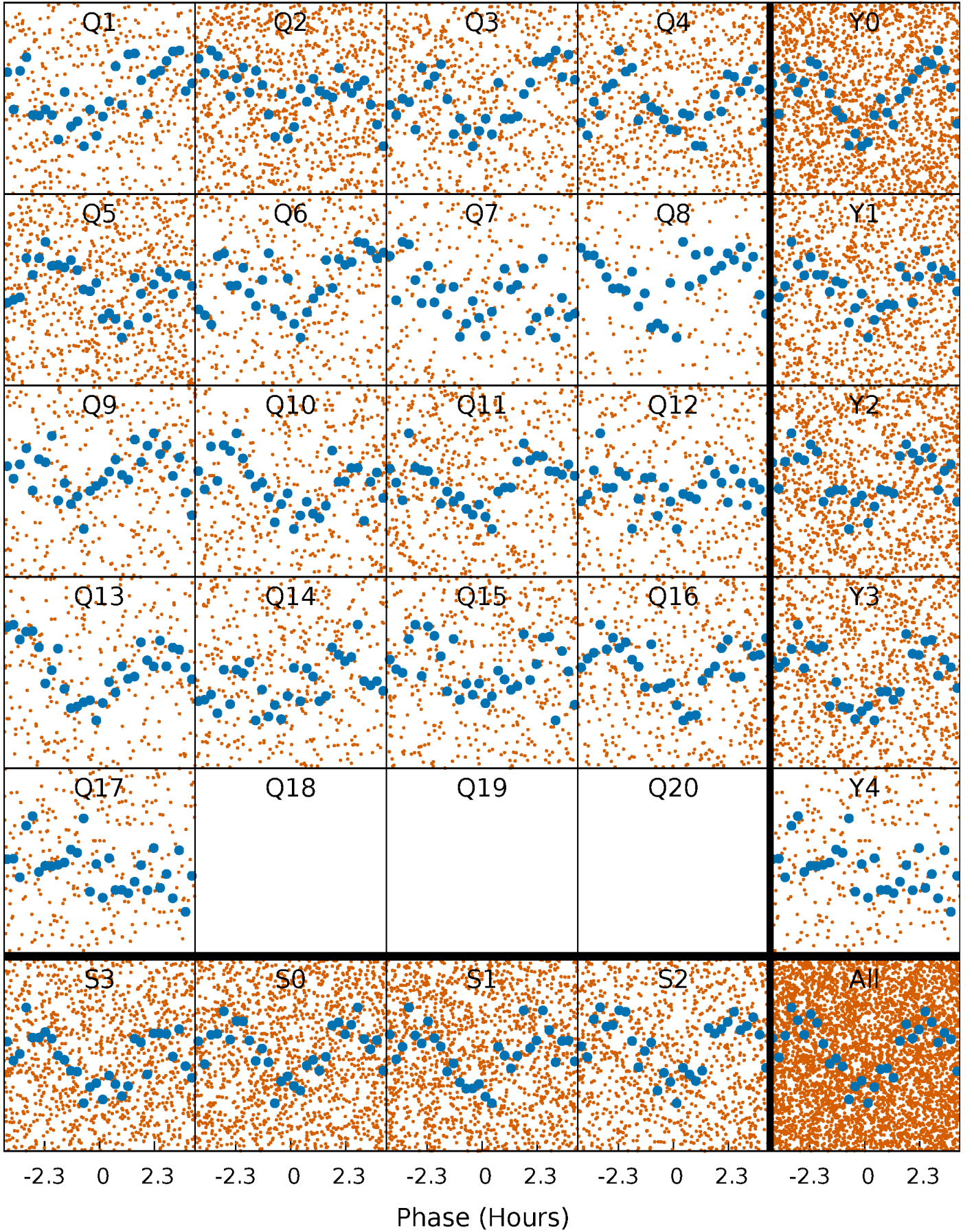


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



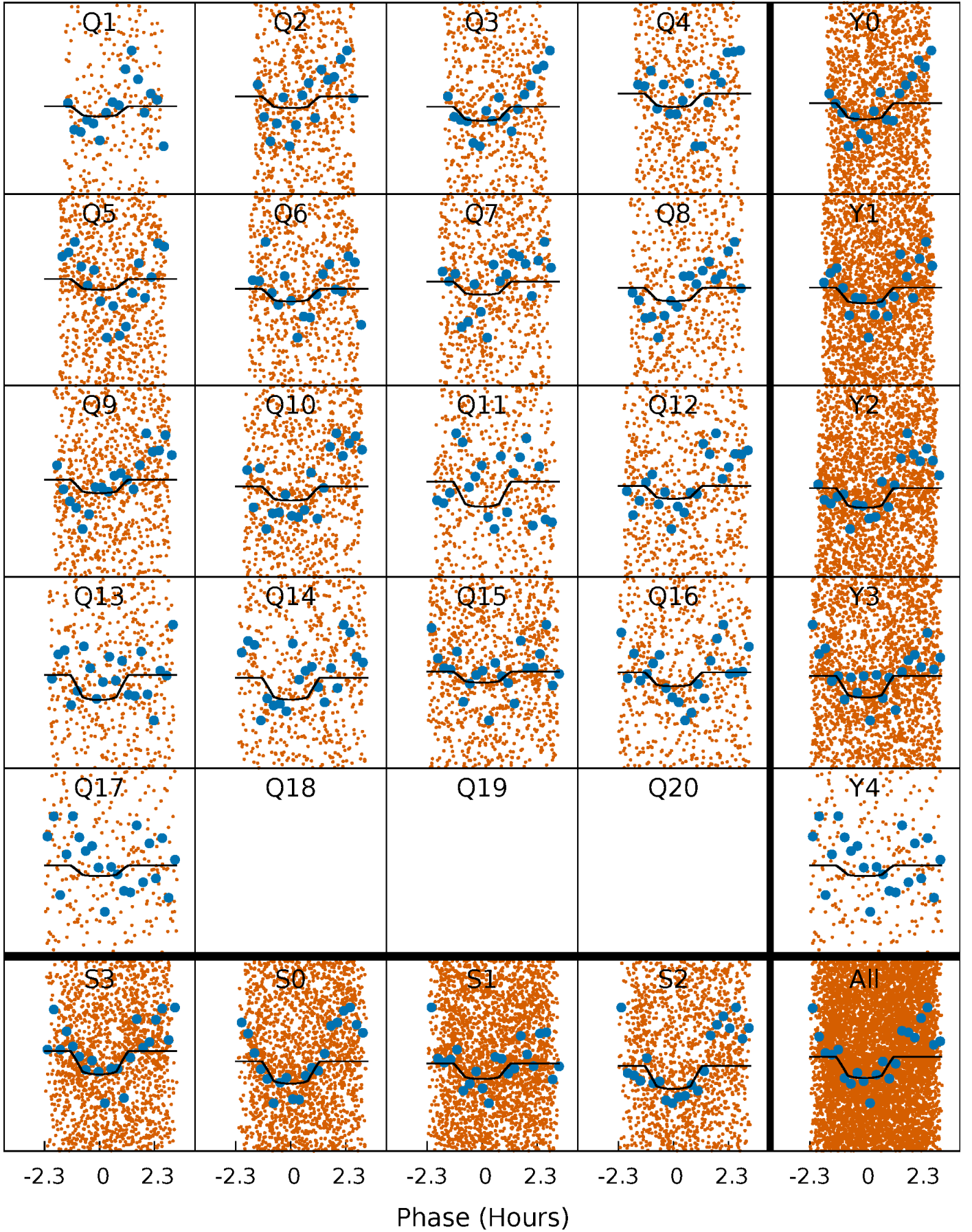
PDC Quarter-Phased Transit Curves

TCE 003240556-03 P= 0.655645 Days $T_0=131.909110$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 003240556-03 P= 0.655645 Days $T_0=131.909110$ (BKJD)

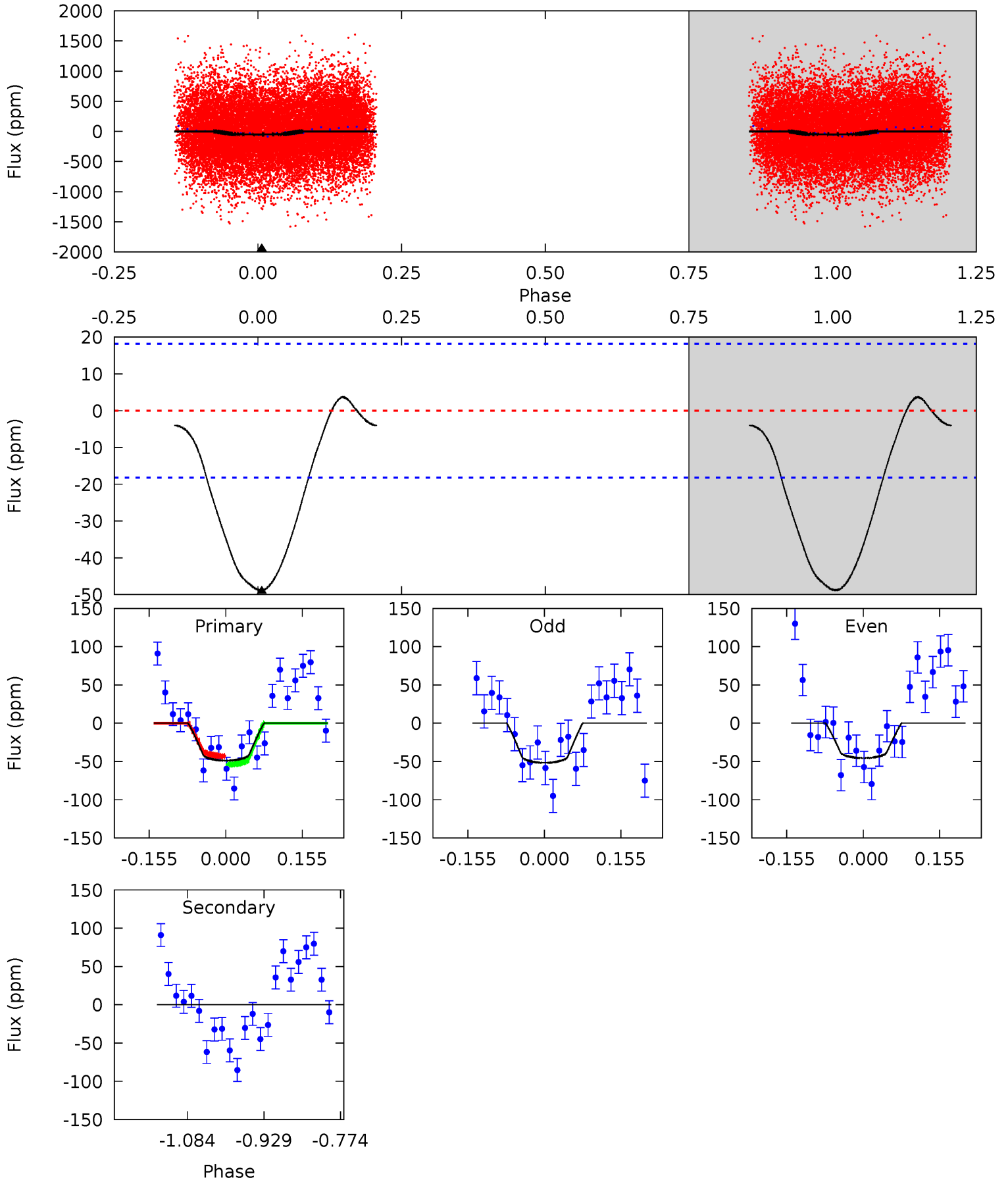


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

003240556-03, P = 0.655645 Days, E = 131.253465 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
12.0	0	0	0	4.47	1.42	0.50	12.0	12.0	0	0	0.77	1.04	0.07	1.32



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 003240556

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8615^{+238}_{-374}	$3.784^{+0.405}_{-0.135}$	$-0.220^{+0.400}_{-0.350}$	$3.003^{+0.881}_{-1.321}$	$2.002^{+0.428}_{-0.428}$	$0.104^{+0.349}_{-0.049}$
	+3%/-4%	+11%/-4%	+182%/-159%	+29%/-44%	+21%/-21%	+335%/-47%
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 003240556-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 4	$2.07^{+1.28}_{-1.03}$	6553^{+583}_{-742}	-5252^{+1225}_{-845}	$-0.005^{+0.198}_{-0.265}$
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 $T_{obs} \gg T_{max}$ AND $A_{obs} \gg 1.0$

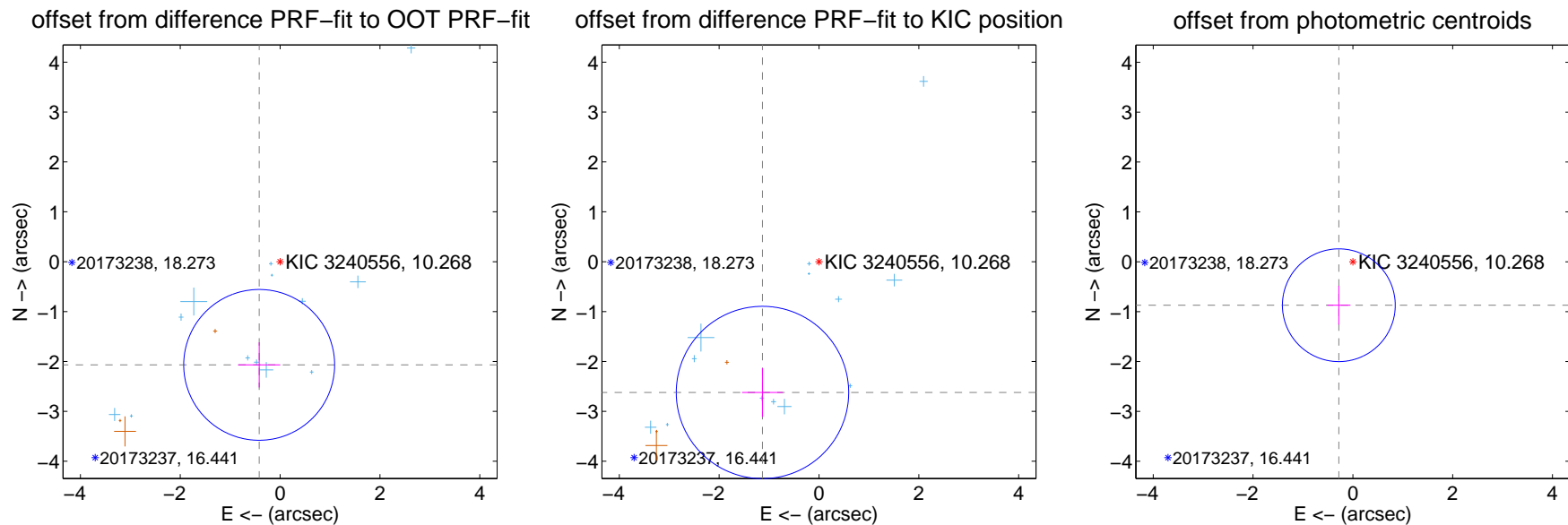
DV Centroid Data

Supplemental centroid analysis for 003240556-03. **Kepler magnitude: 10.27.** Transit SNR 8.34

There are 13 quarters with good PRF difference image offsets

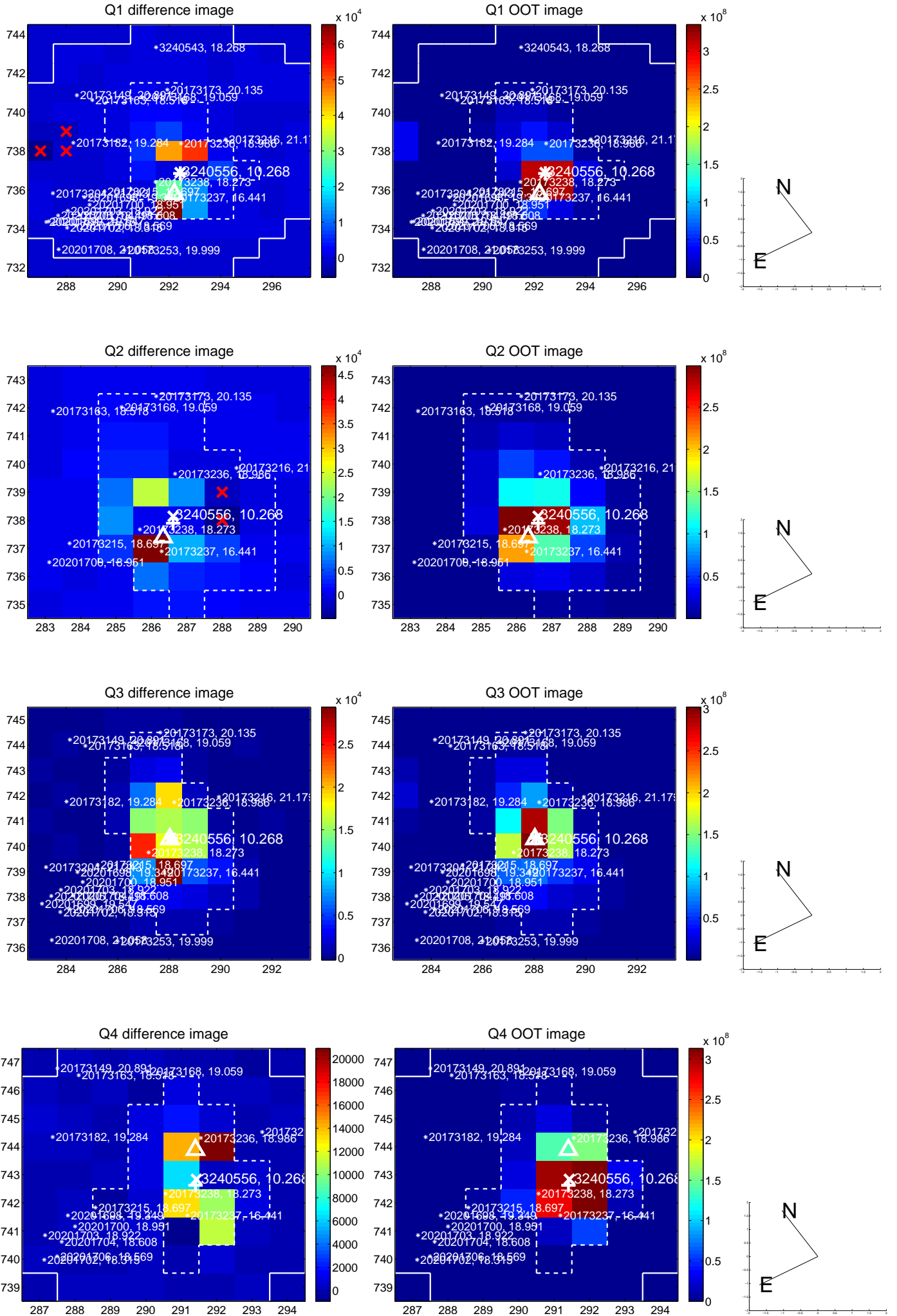
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	2.110 ± 0.504	4.19	0.419 ± 0.423	-2.068 ± 0.453
PRF-fit source offset from KIC position	2.855 ± 0.576	4.96	1.132 ± 0.410	-2.621 ± 0.490
photometric centroid source offset	0.92 ± 0.38	2.43	0.28 ± 0.23	-0.87 ± 0.39

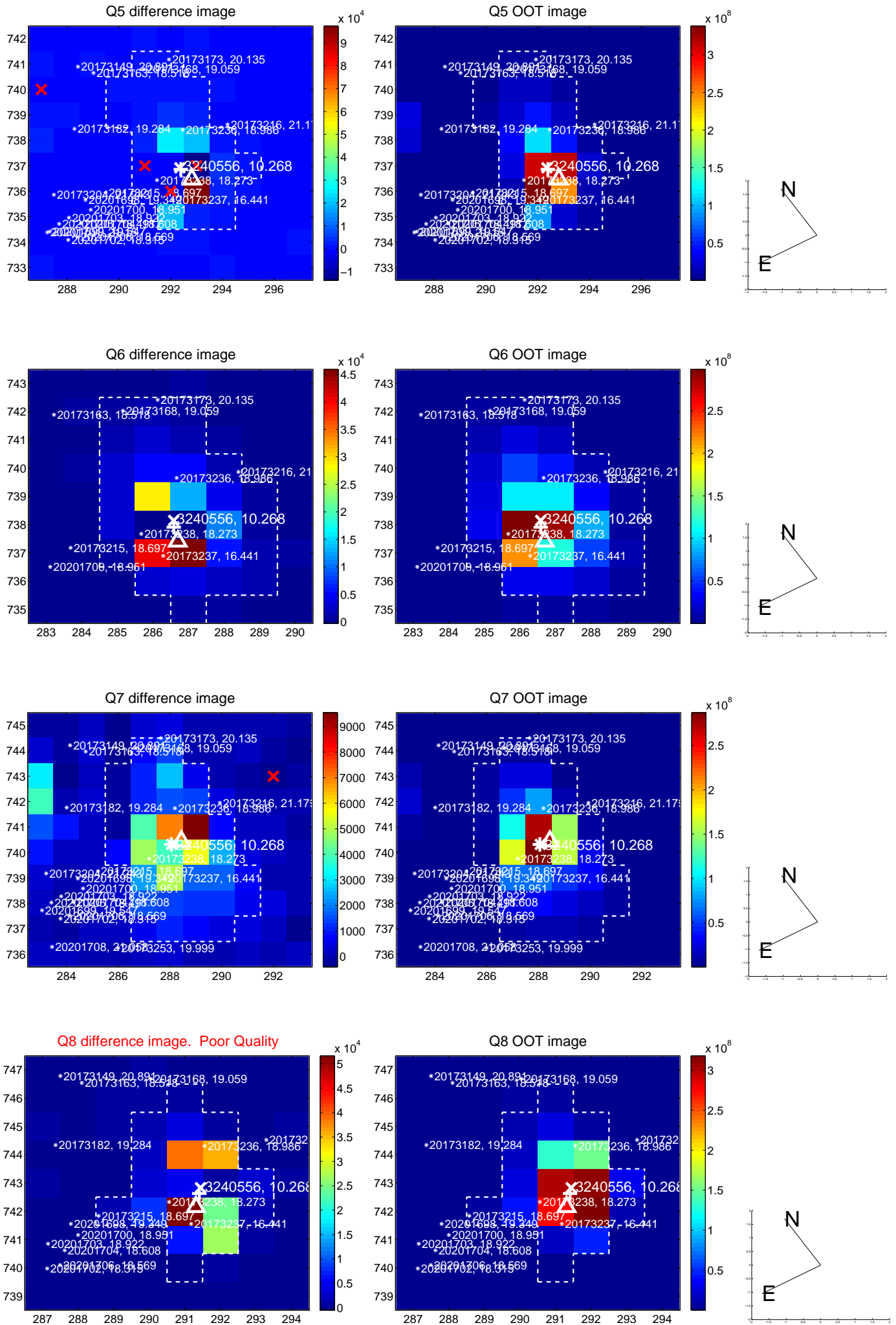


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

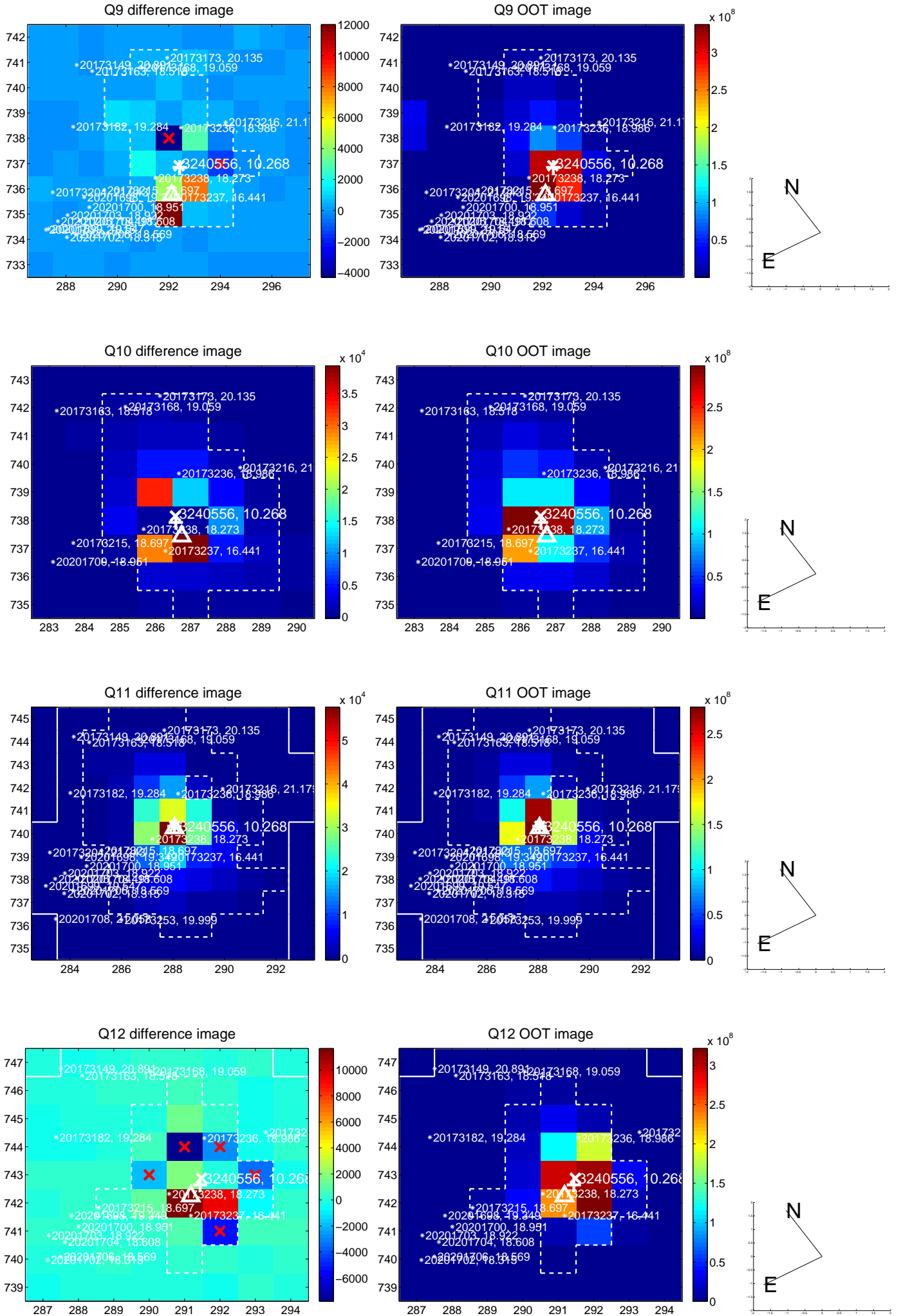
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



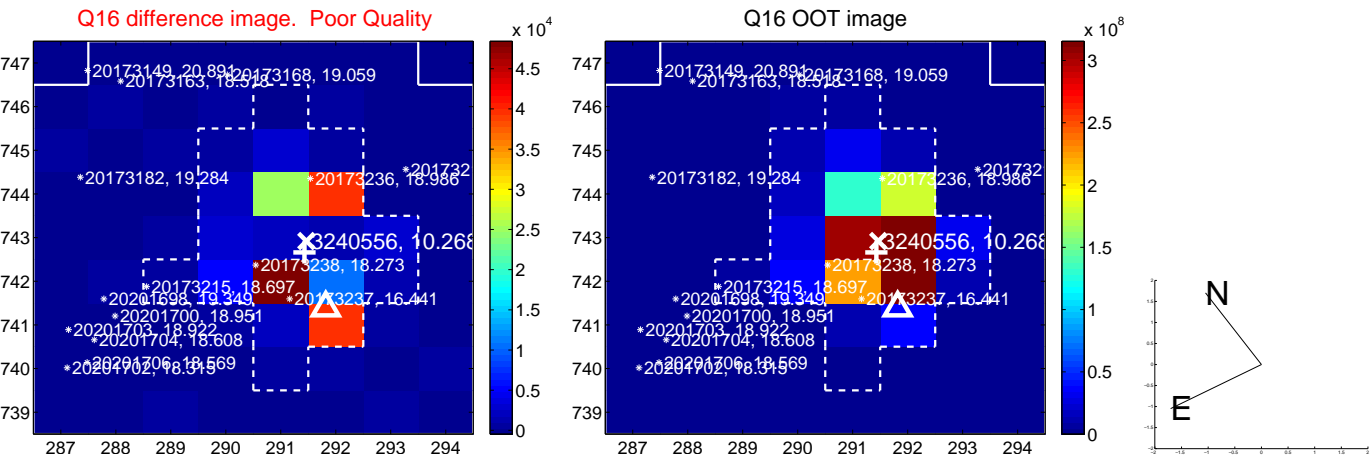
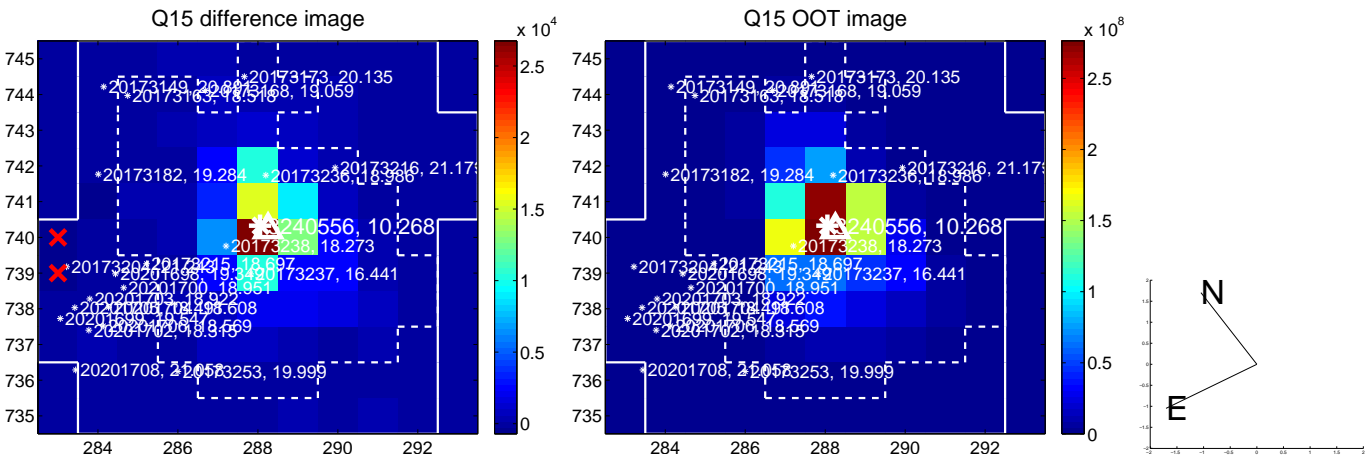
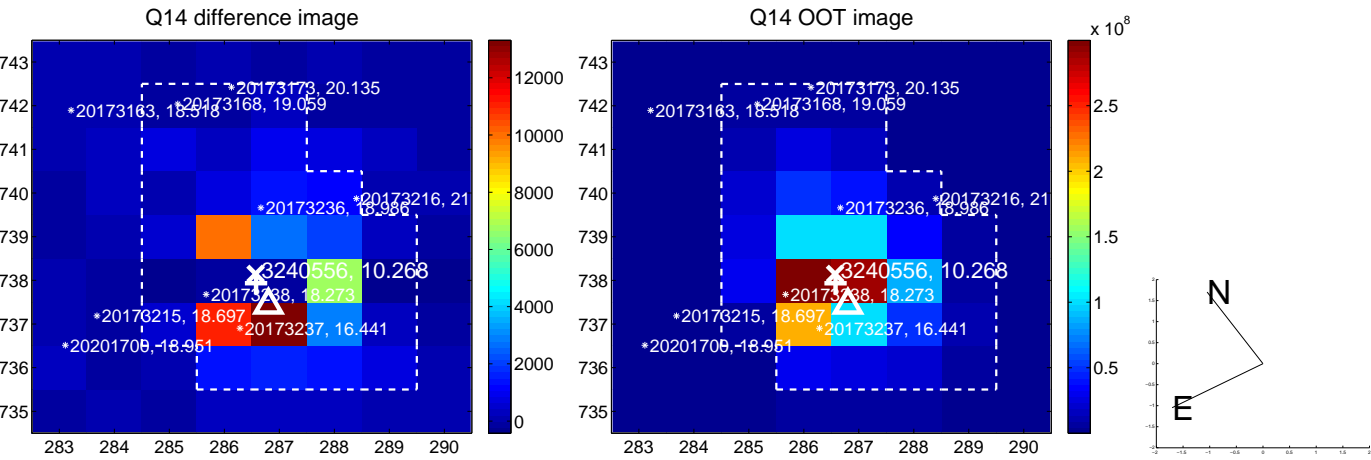
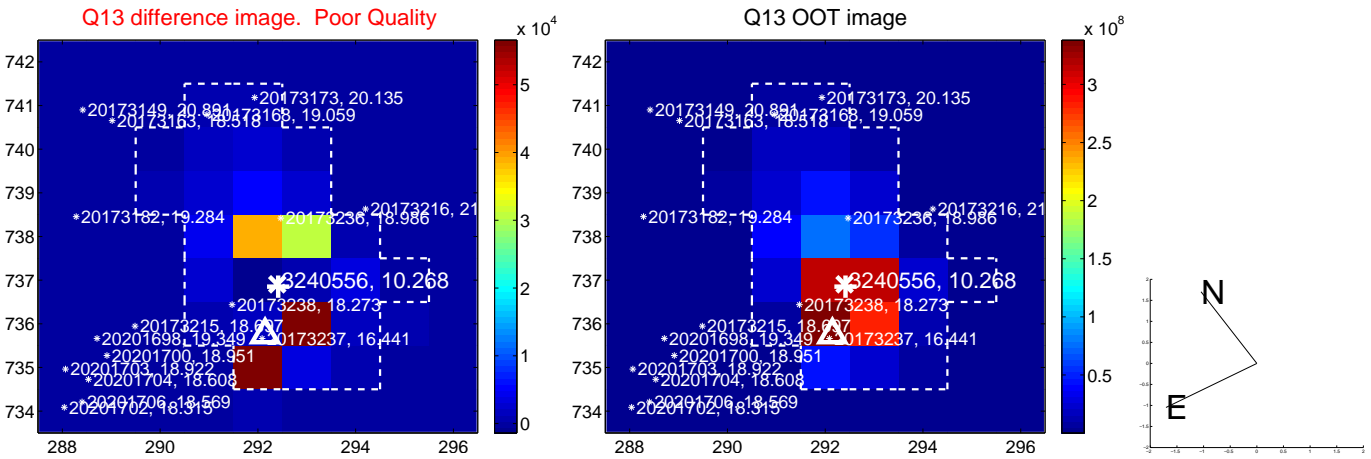
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



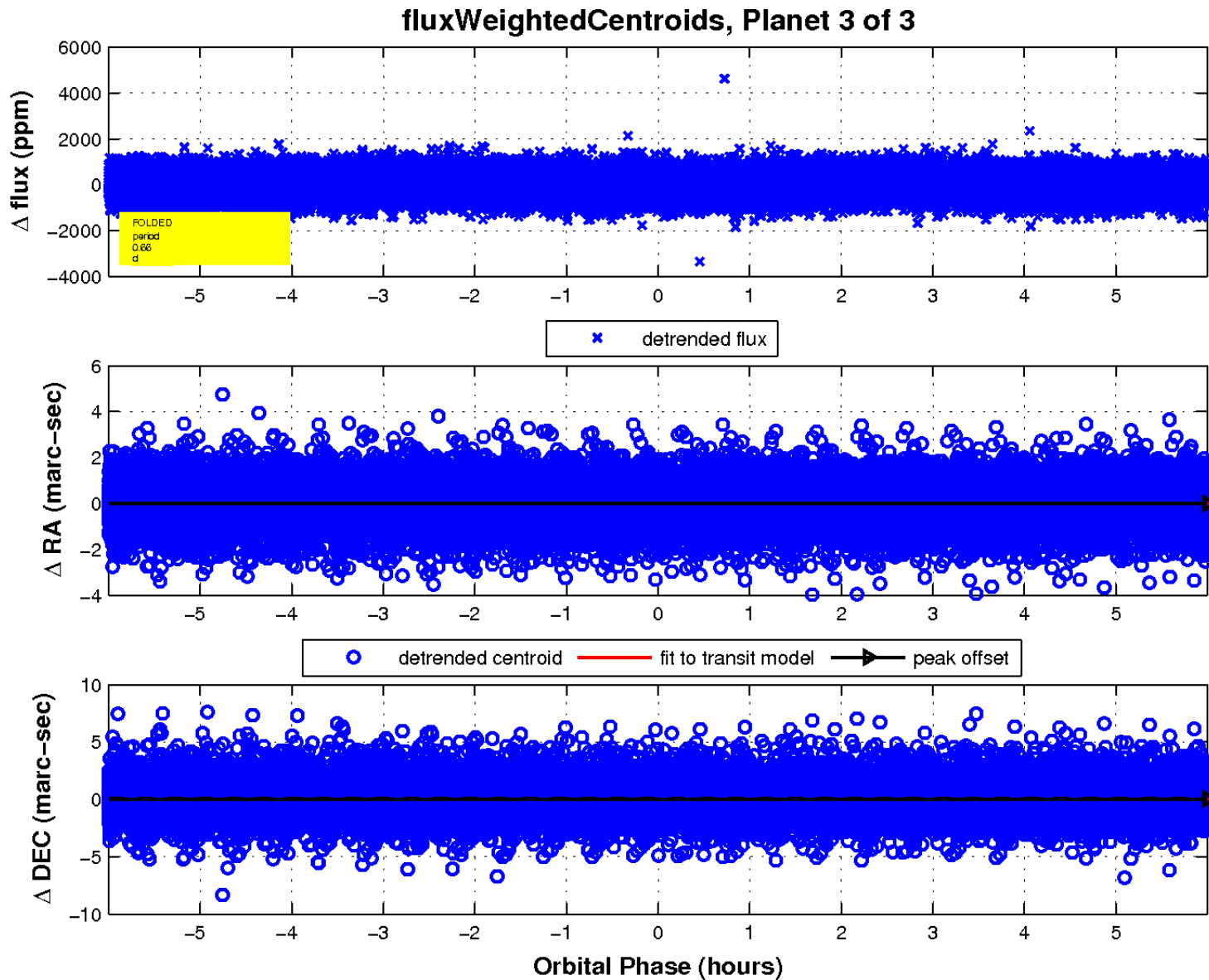
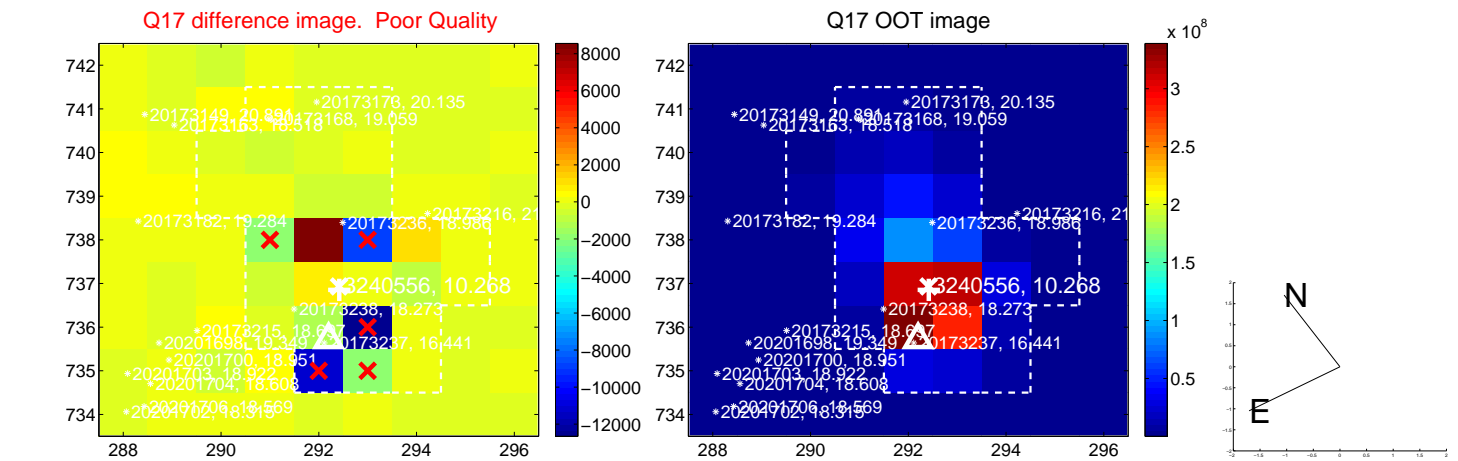
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



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



UKIRT Image

