

KIC 008264635

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})
008264635-01	OBS	No	0.836862	131.779301	19.0	3.589	10.3	10.0	1.73	7672	0.87	22302.53
008264635-02	OBS	No	425.141000	452.931702	552.8	25.948	12.6	7.0	1.73	7672	4.77	5.50
008264635-03	OBS	No	366.553084	246.001916	295.4	10.306	8.3	7.0	1.73	7672	3.40	6.71

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008264635-01	OBS	FP	0.00	1	0	0	0	LPP_DV
008264635-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—LPP_ALT—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_POS_DV—INCONSISTENT_TRANS—CENT_FEW_DIFFS
008264635-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_ALT—MOD_POS_ALT—INCONSISTENT_TRANS—CENT_FEW_DIFFS

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

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

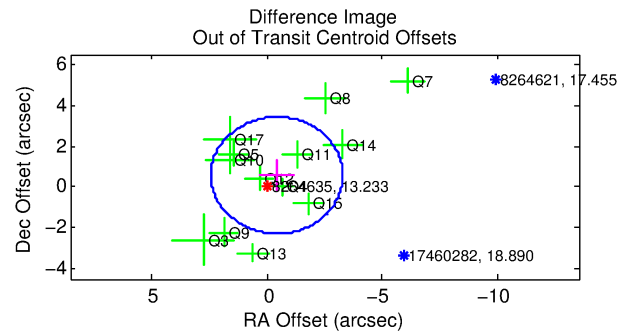
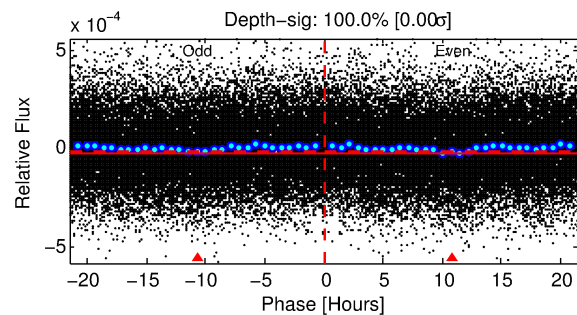
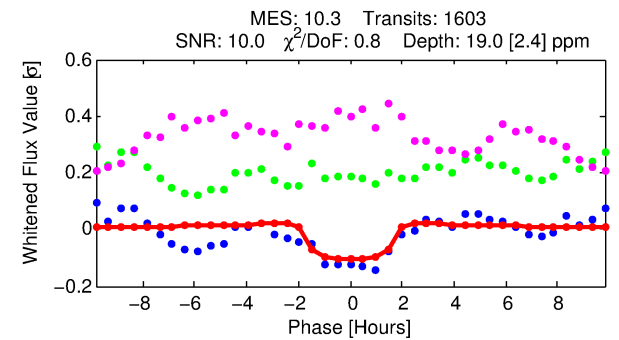
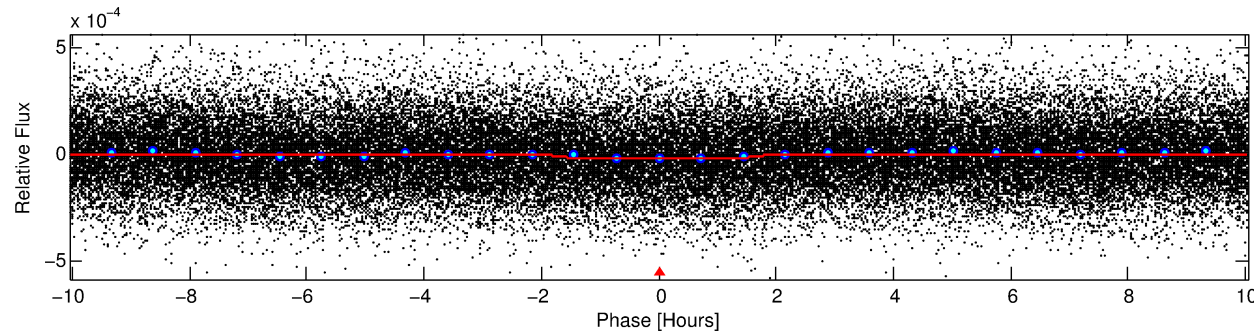
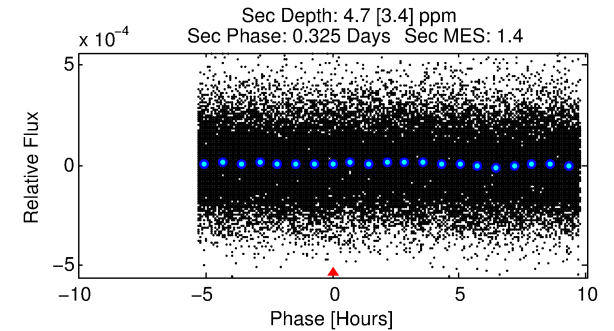
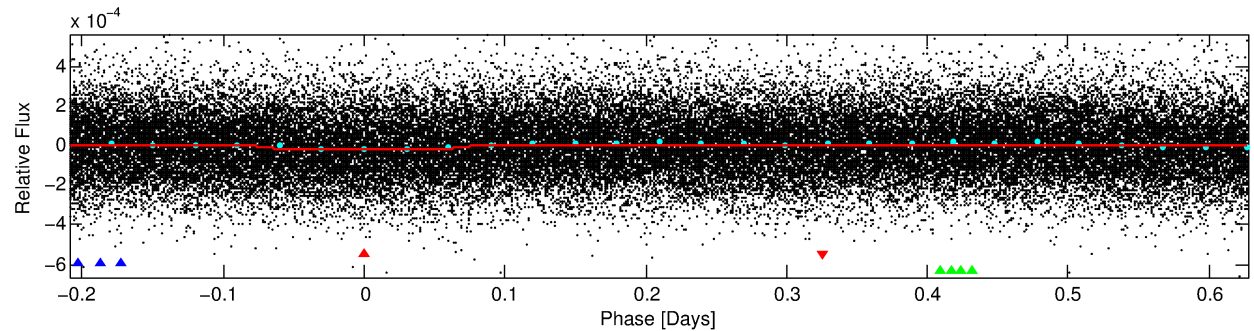
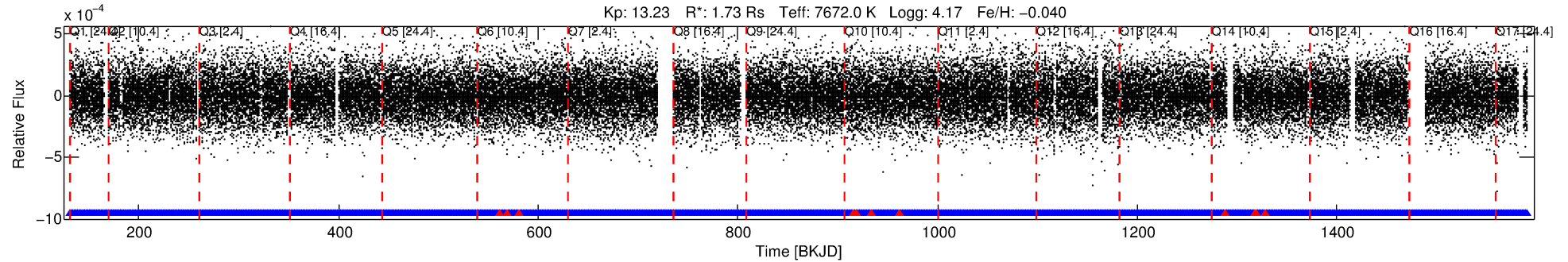
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008264635-01

No Significant Match Found

DV One-Page Summary

KIC: 8264635 Candidate: 1 of 3 Period: 0.837 d



DV Fit Results:

Period = 0.83686 [0.00001] d
Epoch = 131.7793 [0.0036] BKJD
Rp/R* = 0.0046 [0.0017]
a/R* = 1.23 [1.03]
b = 0.90 [0.53]
Seff = 22302.53 [8712.73]
Teq = 3116 [304] K
Rp = 0.87 [0.42] Re
a = 0.0204 [0.0051] AU
Ag = 1.42 [1.55] [0.27σ]
Teffp = 5258 [1373] K [1.52σ]

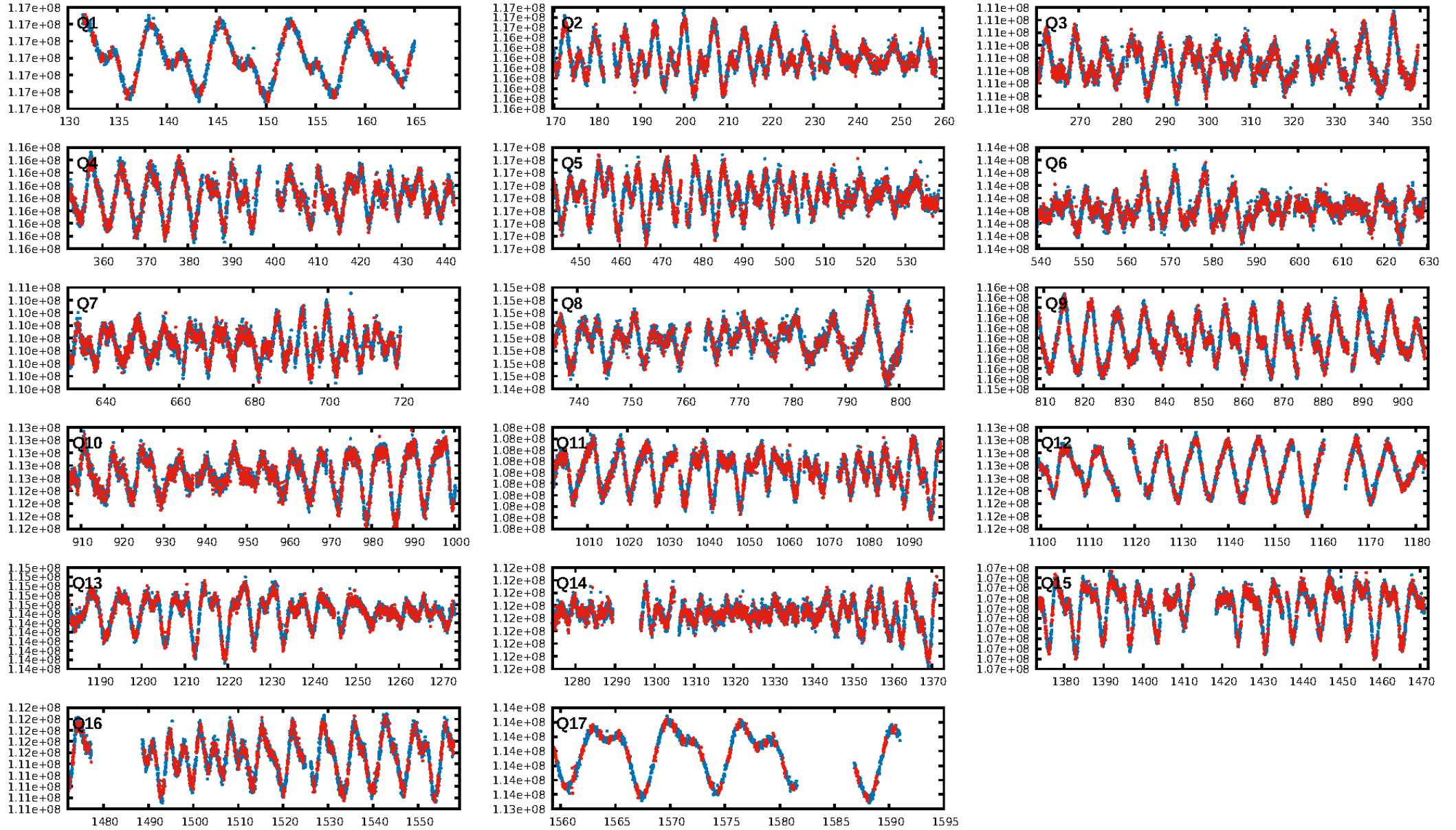
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [804.29σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.10e-23
RollingBand-fgt: 0.99 [1520/1531]
GhostDiagnostic-chr: 2.203
Centroid-sig: 18.2%
Centroid-so: 1.150 arcsec [0.92σ]
OotOffset-rm: 0.718 arcsec [0.75σ]
KicOffset-rm: 0.790 arcsec [0.95σ]
OotOffset-st: 2/4/3/4 [13]
KicOffset-st: 2/4/3/4 [13]
DiffImageQuality-fgm: 0.46 [6/13]
DiffImageOverlap-fno: 1.00 [17/17]

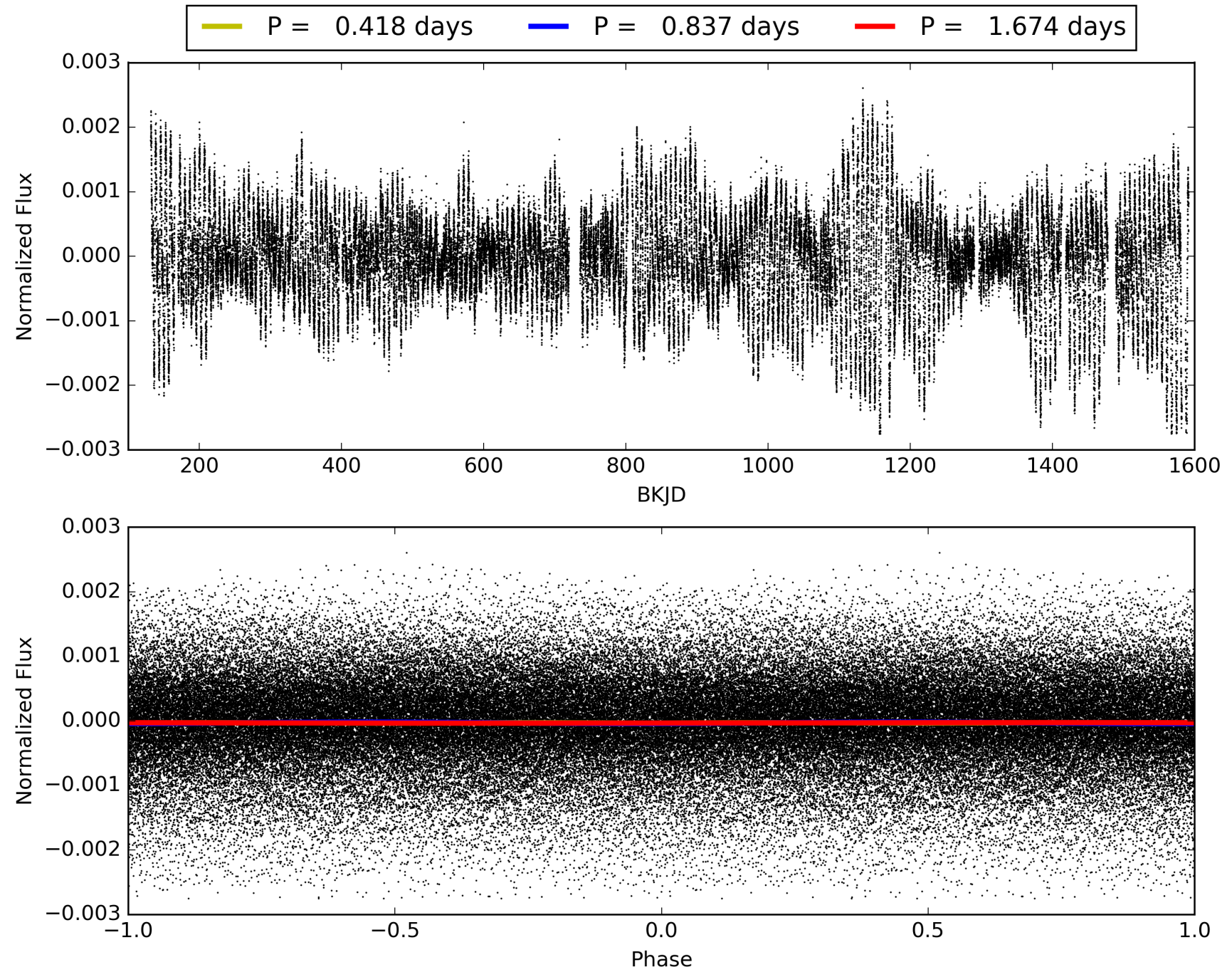
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 09:51:28 Z

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

TCE 008264635-01, PDC Light Curves

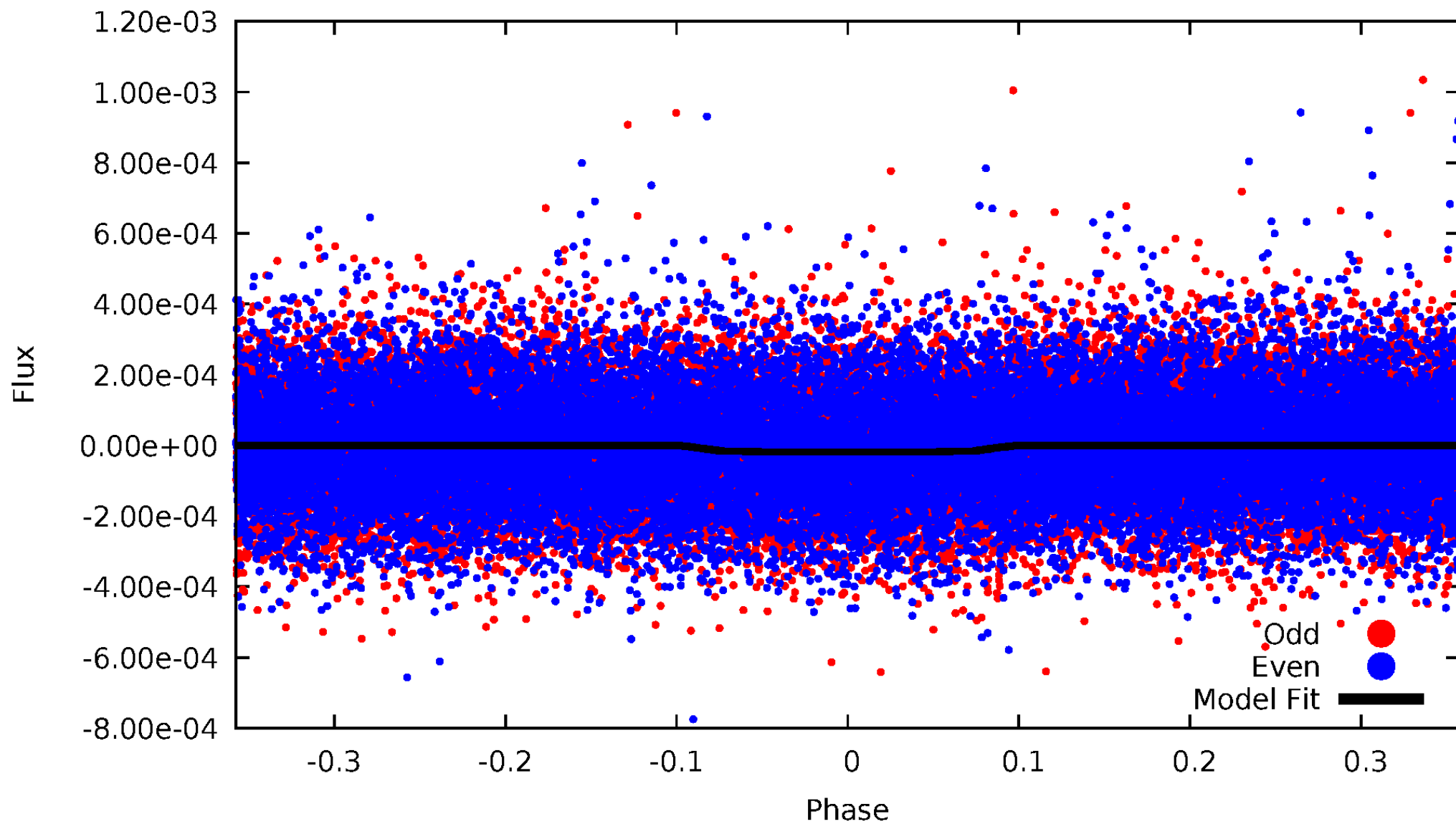


TCE 008264635-01



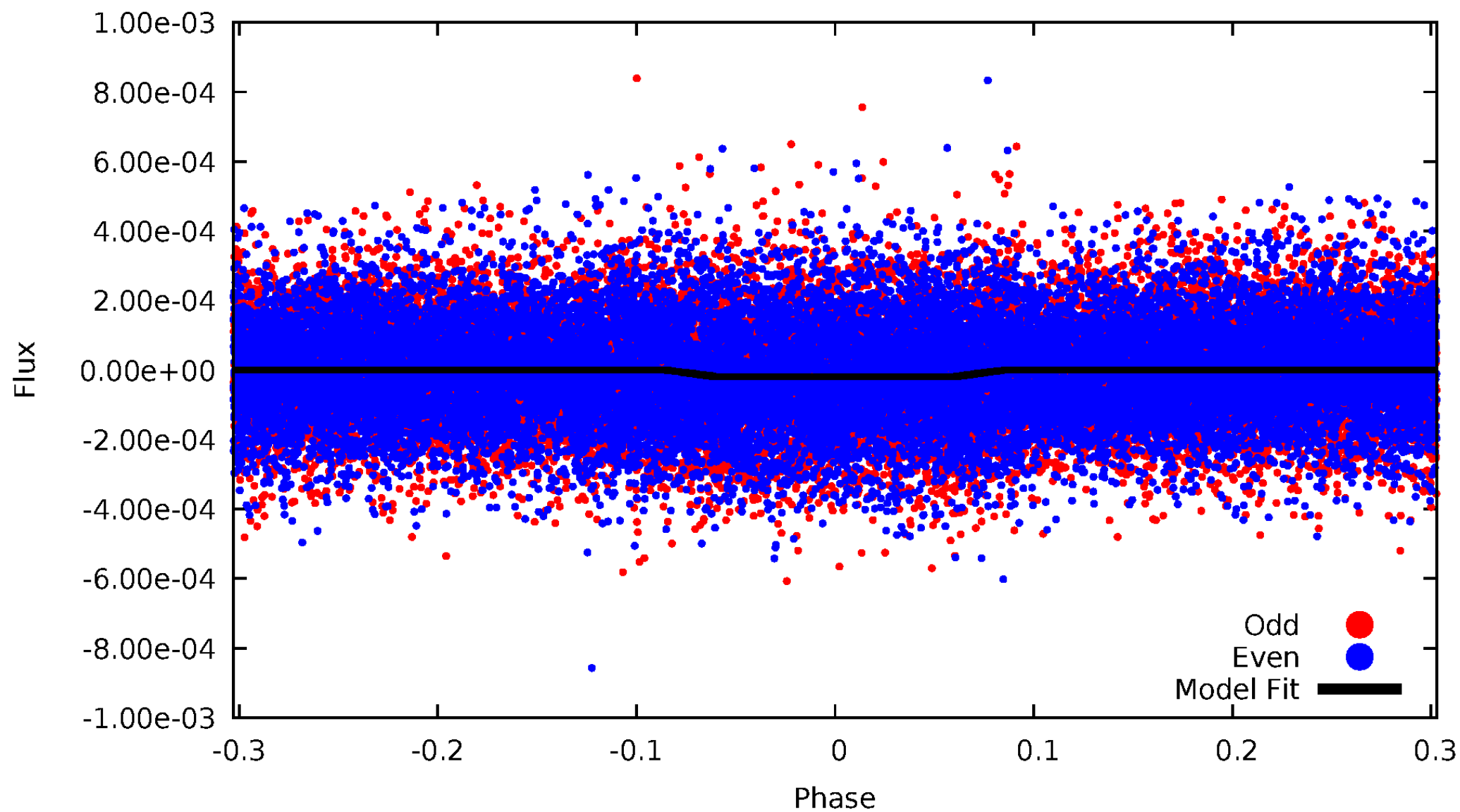
DV Odd/Even

TCE 008264635-01



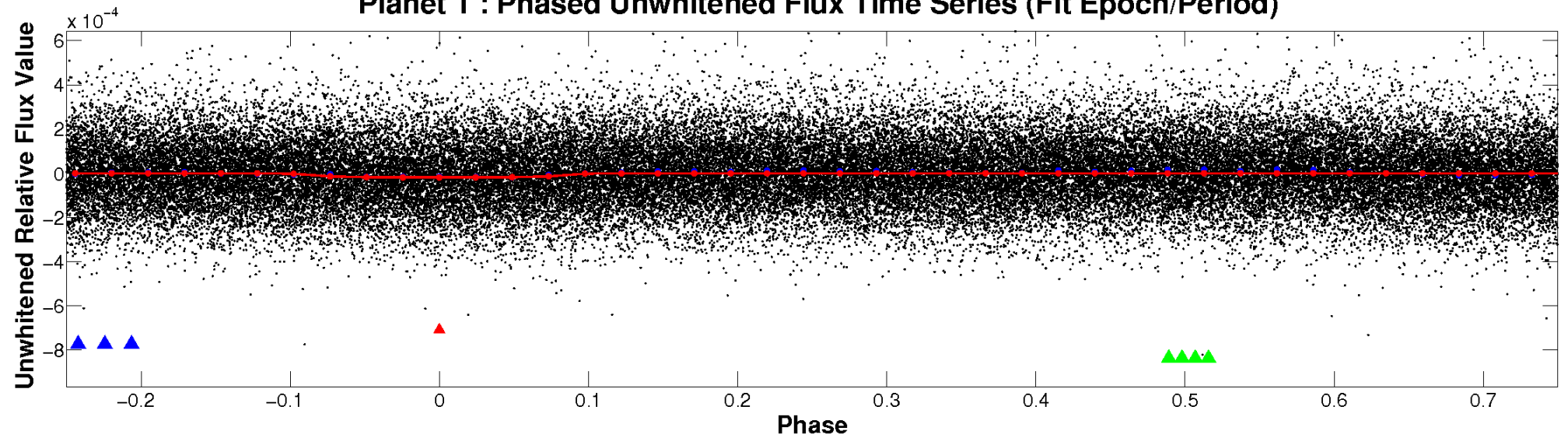
ALT Odd/Even

TCE 008264635-01

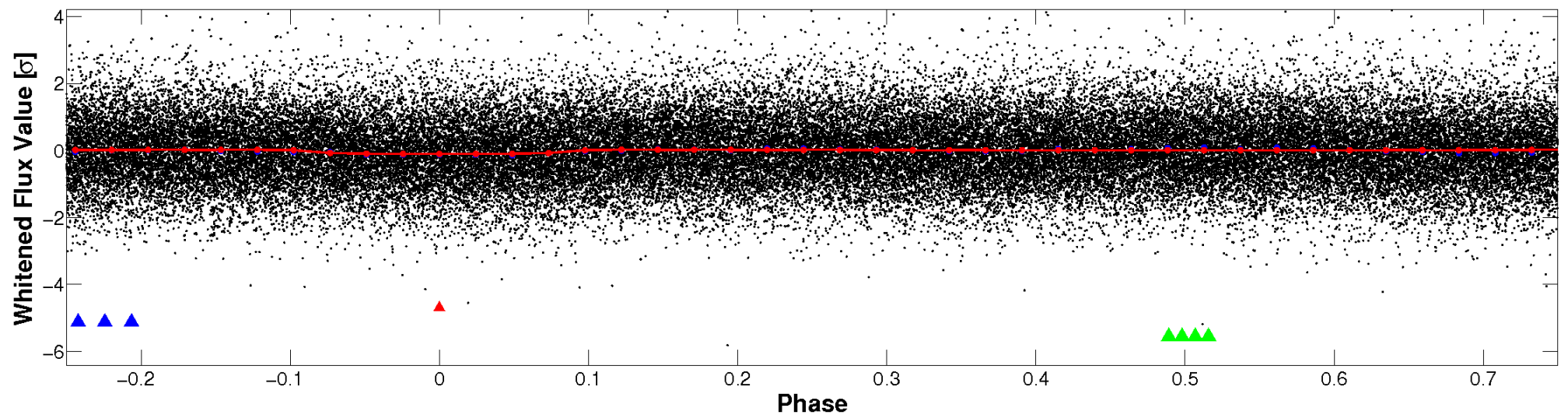


Non-Whitened Vs. Whitened Light Curve

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

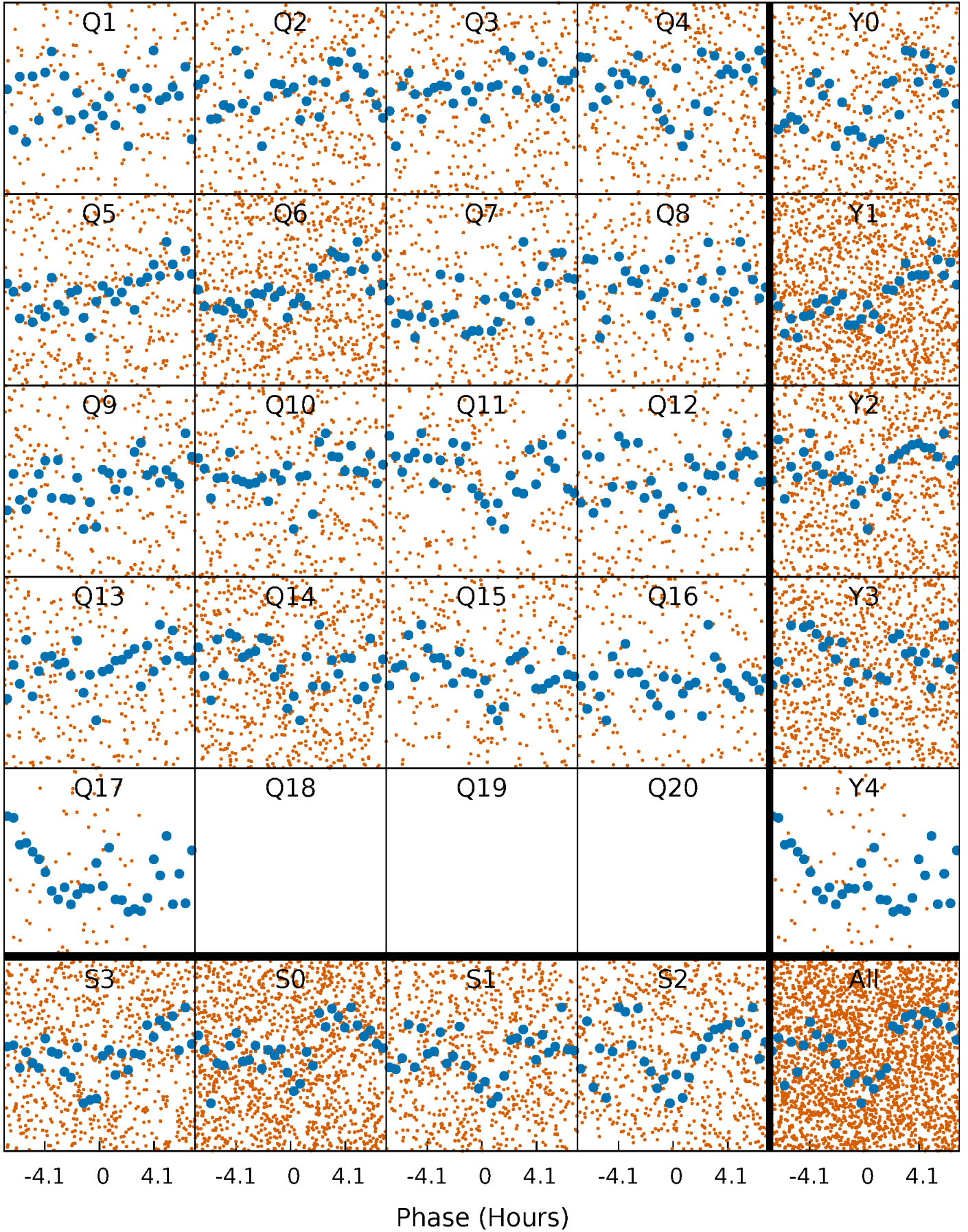


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



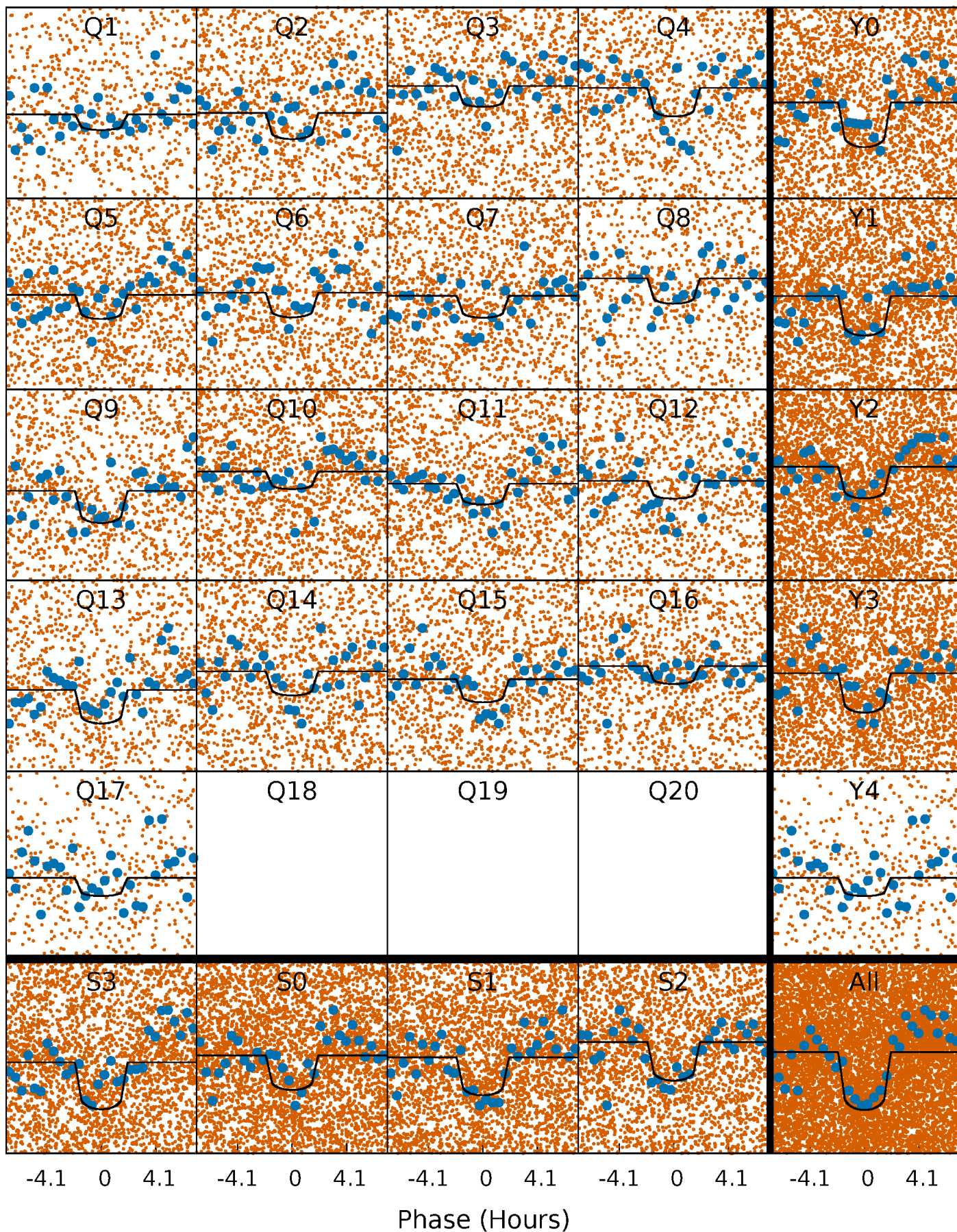
PDC Quarter-Phased Transit Curves

TCE 008264635-01 P= 0.836862 Days $T_0=131.779301$ (BKJD)



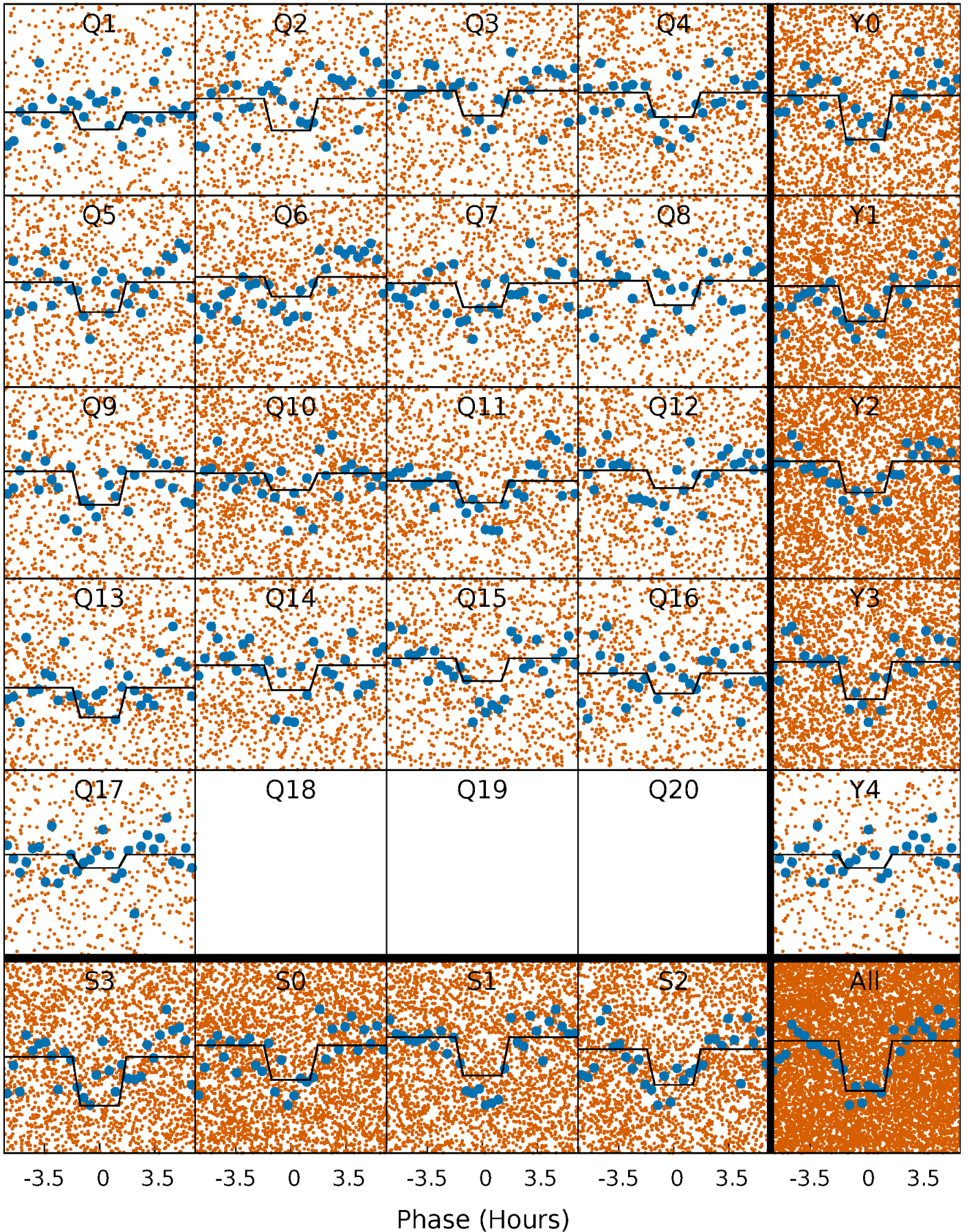
DV Quarter-Phased Transit Curves

TCE 008264635-01 P= 0.836862 Days $T_0=131.779301$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

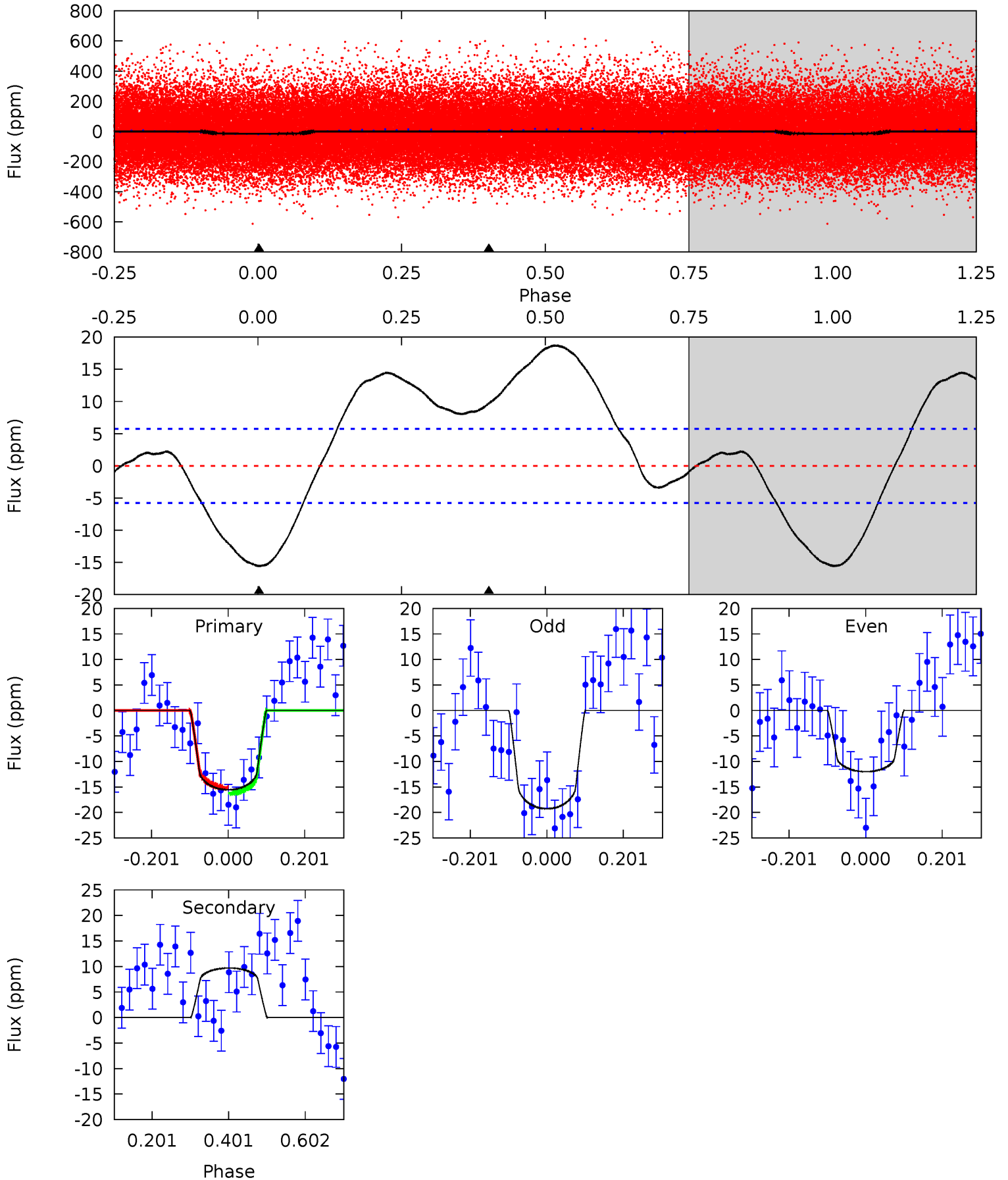
TCE 008264635-01 P= 0.836882 Days $T_0=131.772597$ (BKJD)



DV Model-Shift Uniqueness Test

008264635-01, P = 0.836862 Days, E = 130.942439 Days

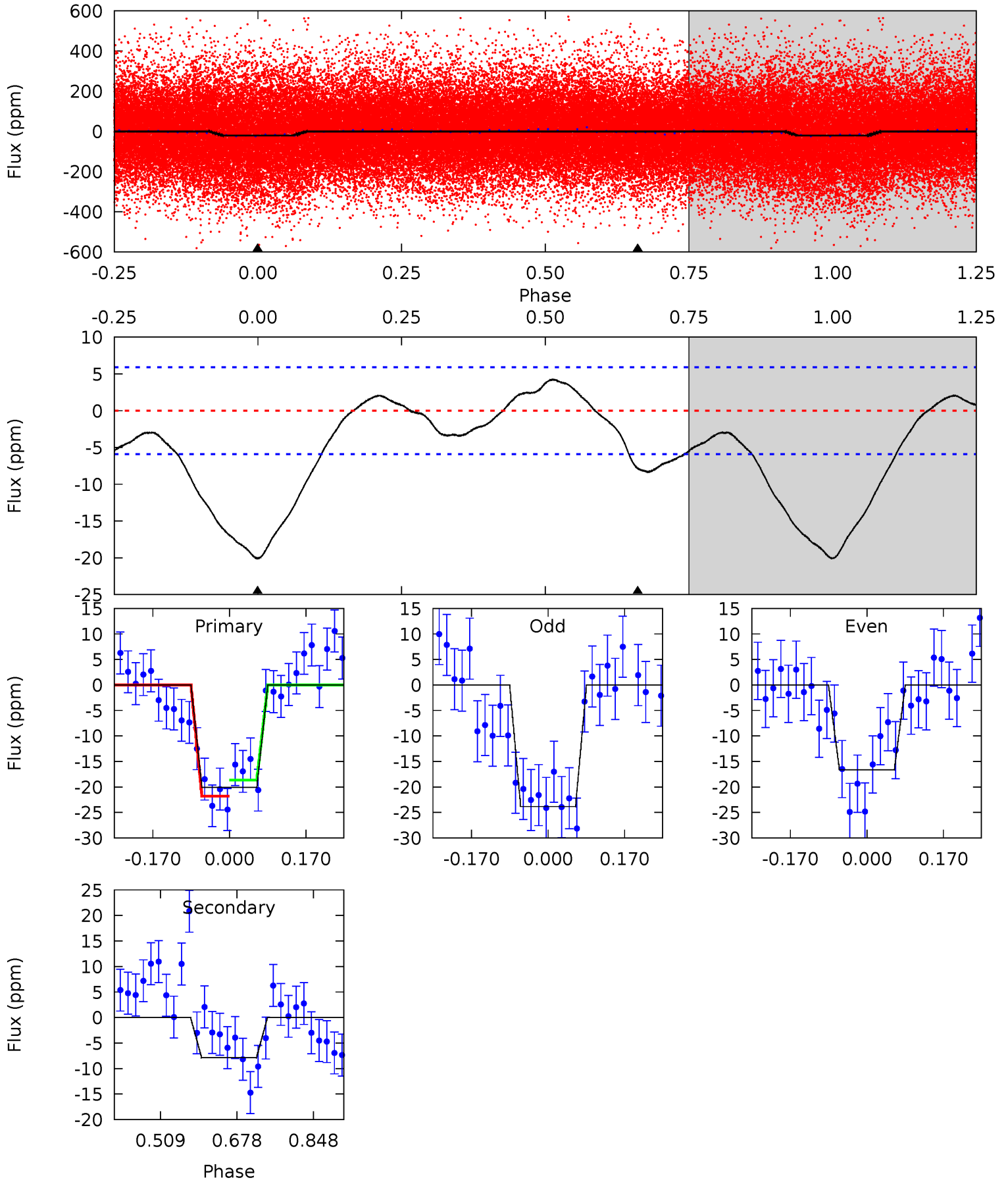
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.9	-7.44	0	0	4.42	1.28	2.73	11.9	11.9	-7.44	-7.44	2.79	1.04	0.55	0.41



Alt Model-Shift Uniqueness Test

008264635-01, P = 0.836882 Days, E = 130.935715 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
15.1	5.93	0	0	4.45	1.37	1.50	15.1	15.1	5.93	5.93	2.73	1.00	0.17	1.19



Stellar Parameters For KIC 008264635

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7672^{+237}_{-316}	$4.171^{+0.101}_{-0.188}$	$-0.040^{+0.200}_{-0.350}$	$1.730^{+0.533}_{-0.287}$	$1.615^{+0.219}_{-0.219}$	$0.440^{+0.219}_{-0.235}$
	+3%/-4%	+2%/-5%	+500%/-875%	+31%/-17%	+14%/-14%	+50%/-53%
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 008264635-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	10 ± 1	$0.89^{+0.36}_{-0.32}$	4386^{+341}_{-254}	-6322^{+825}_{-1843}	$-2.753^{+1.394}_{-3.967}$
Alt.	-8 ± 1	$0.86^{+0.36}_{-0.35}$	4387^{+348}_{-250}	5813^{+2036}_{-1002}	$2.471^{+4.386}_{-1.294}$

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 $A_{obs} \gg 1.0$

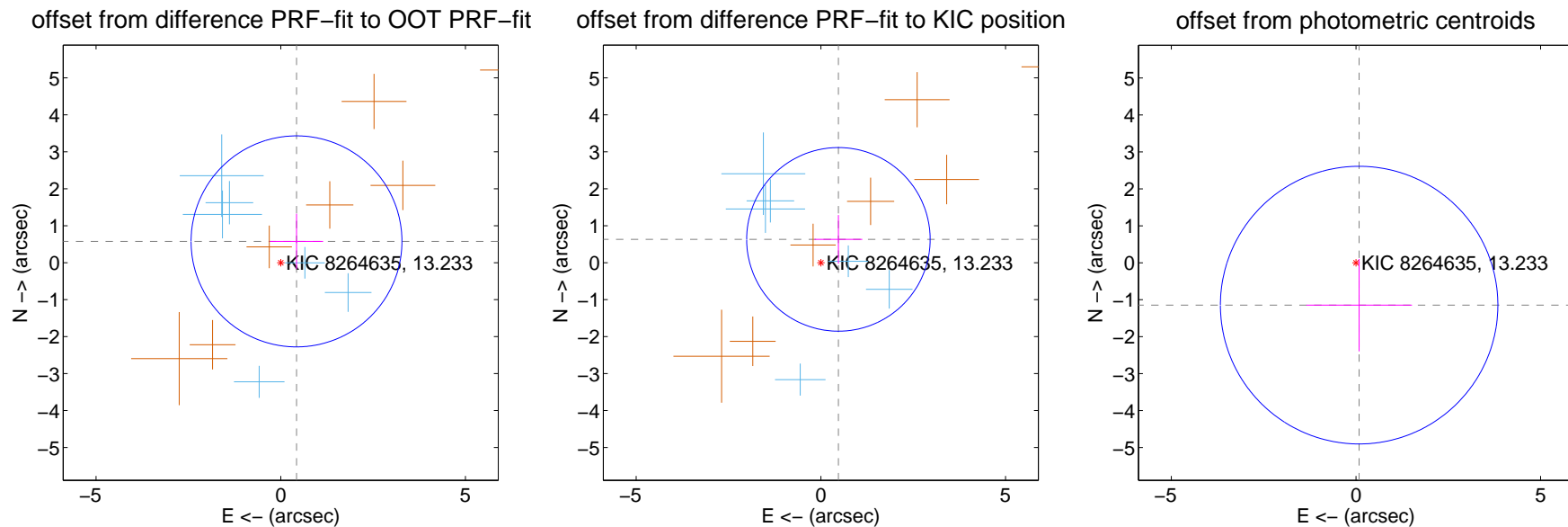
DV Centroid Data

Supplemental centroid analysis for 008264635-01. Kepler magnitude: 13.23. Transit SNR 9.99

There are 6 quarters with good PRF difference image offsets

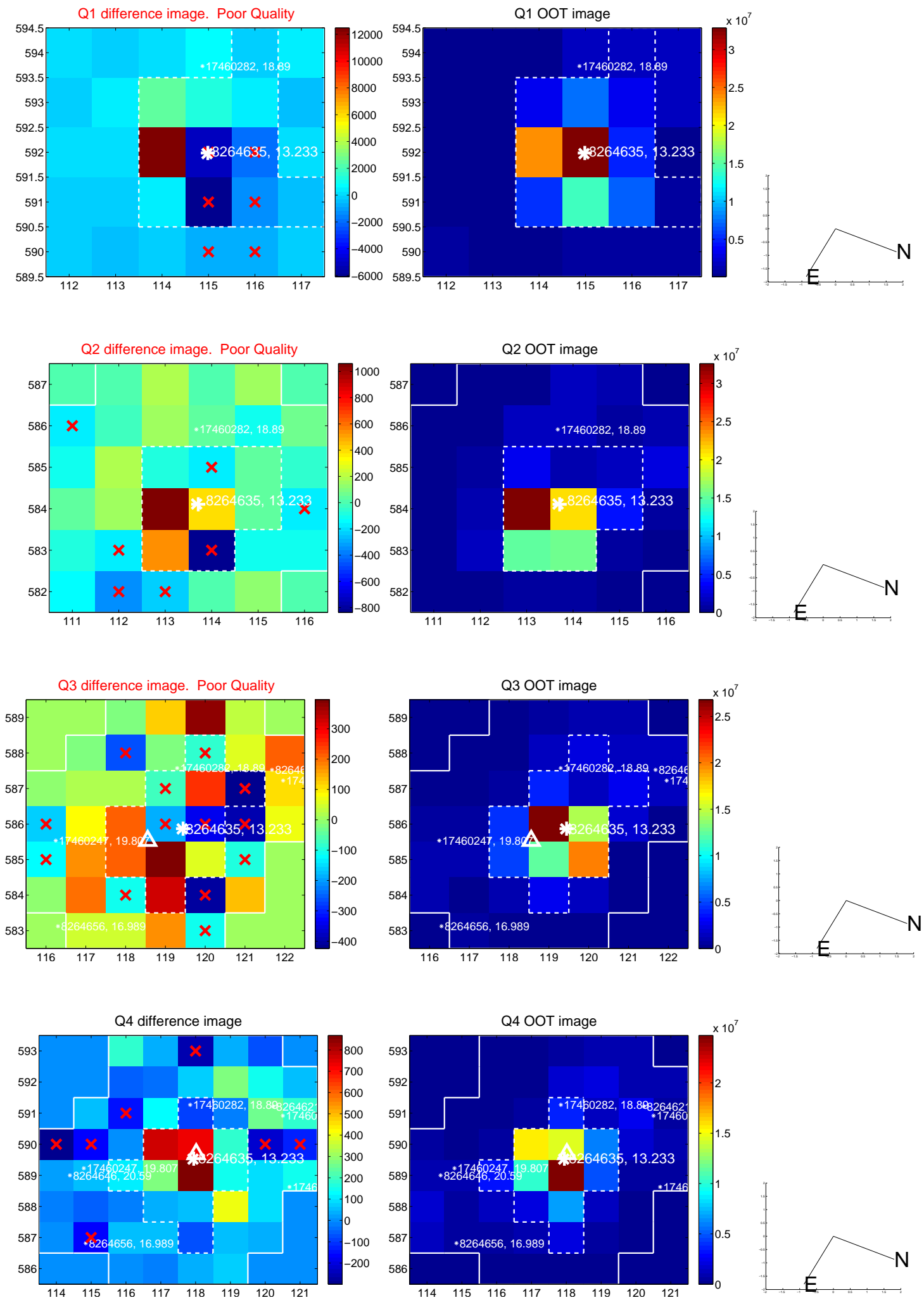
The direct PRF centroid is offset from the target star catalog position by about 0.07 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.718 ± 0.952	0.75	-0.427 ± 0.721	0.577 ± 0.749
PRF-fit source offset from KIC position	0.790 ± 0.828	0.95	-0.475 ± 0.647	0.631 ± 0.657
photometric centroid source offset	1.15 ± 1.25	0.92	-0.09 ± 1.43	-1.15 ± 1.25

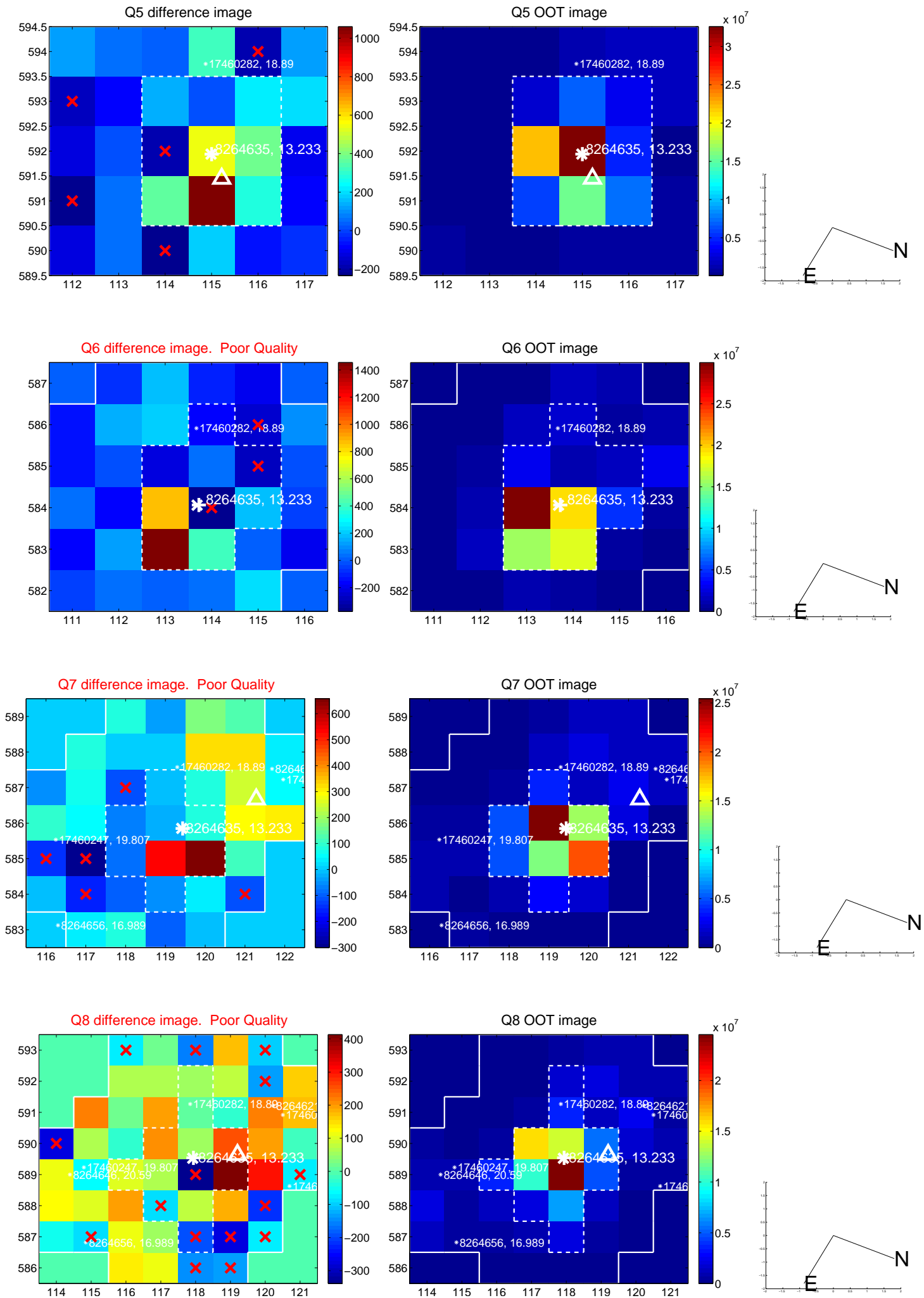


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

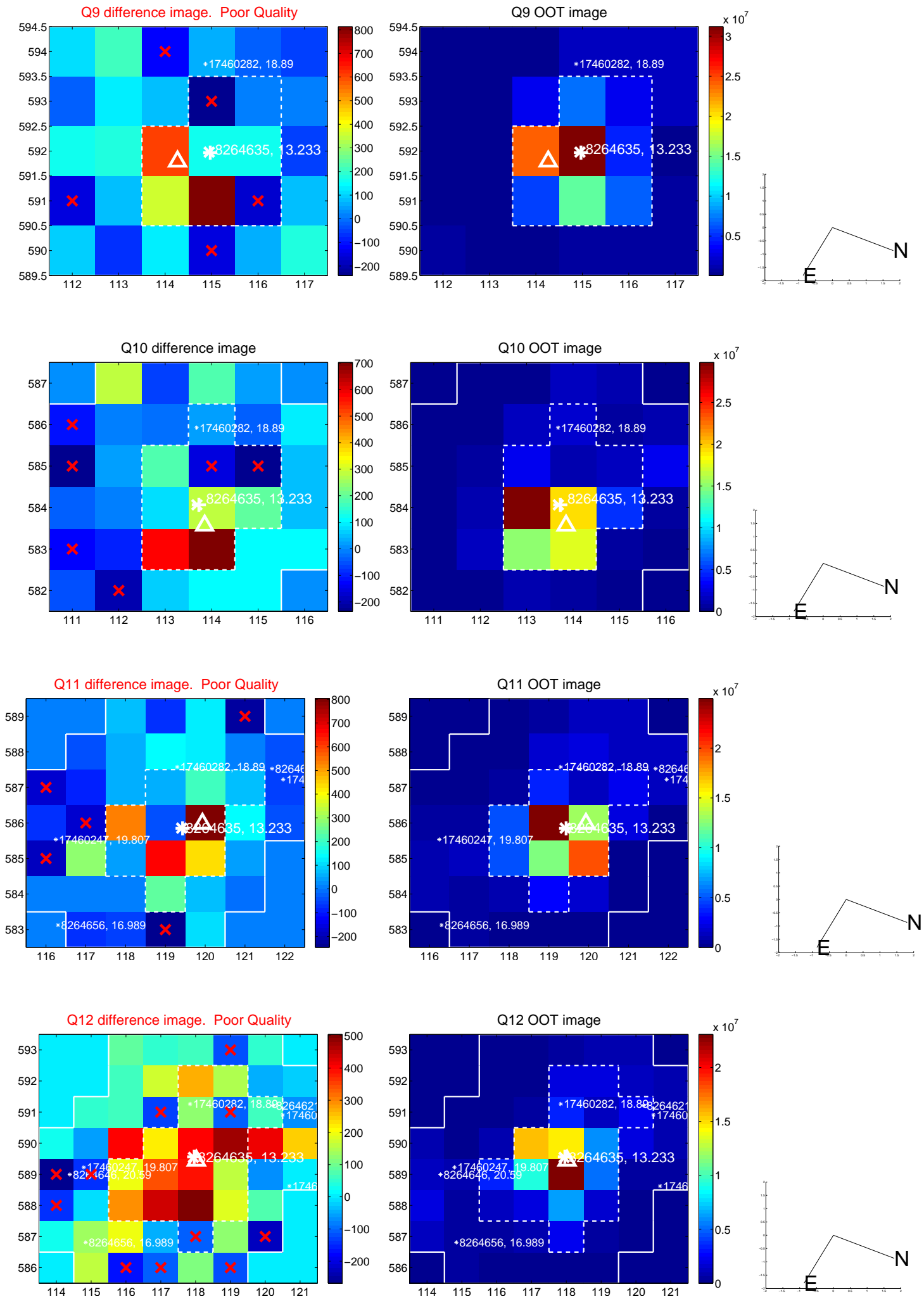
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



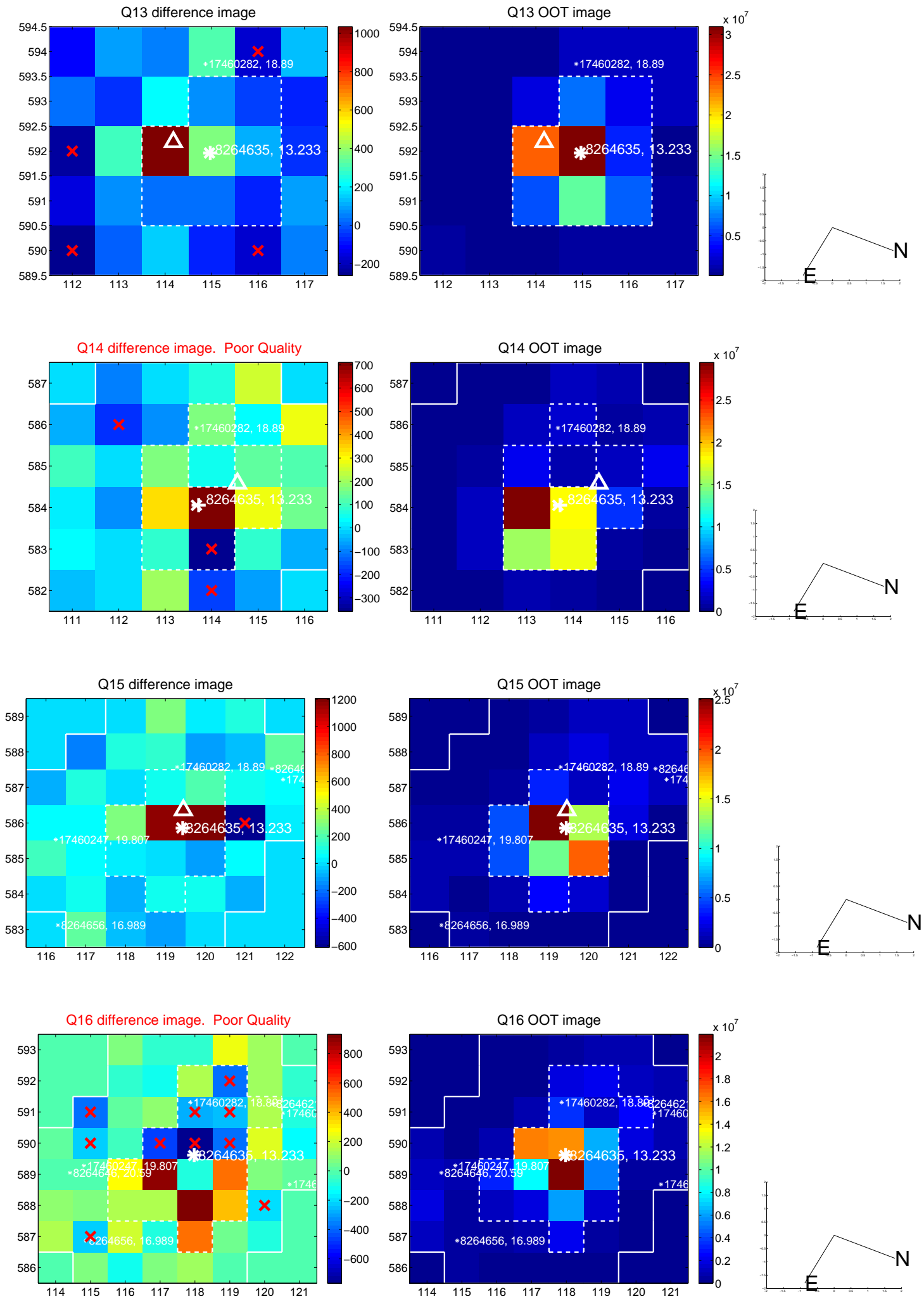
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



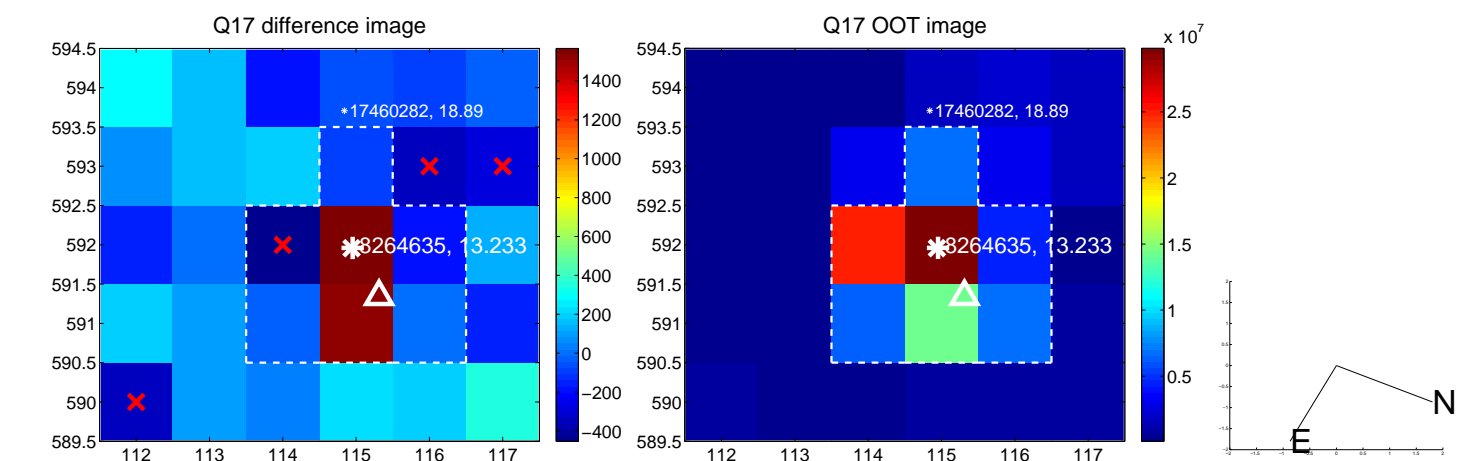
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



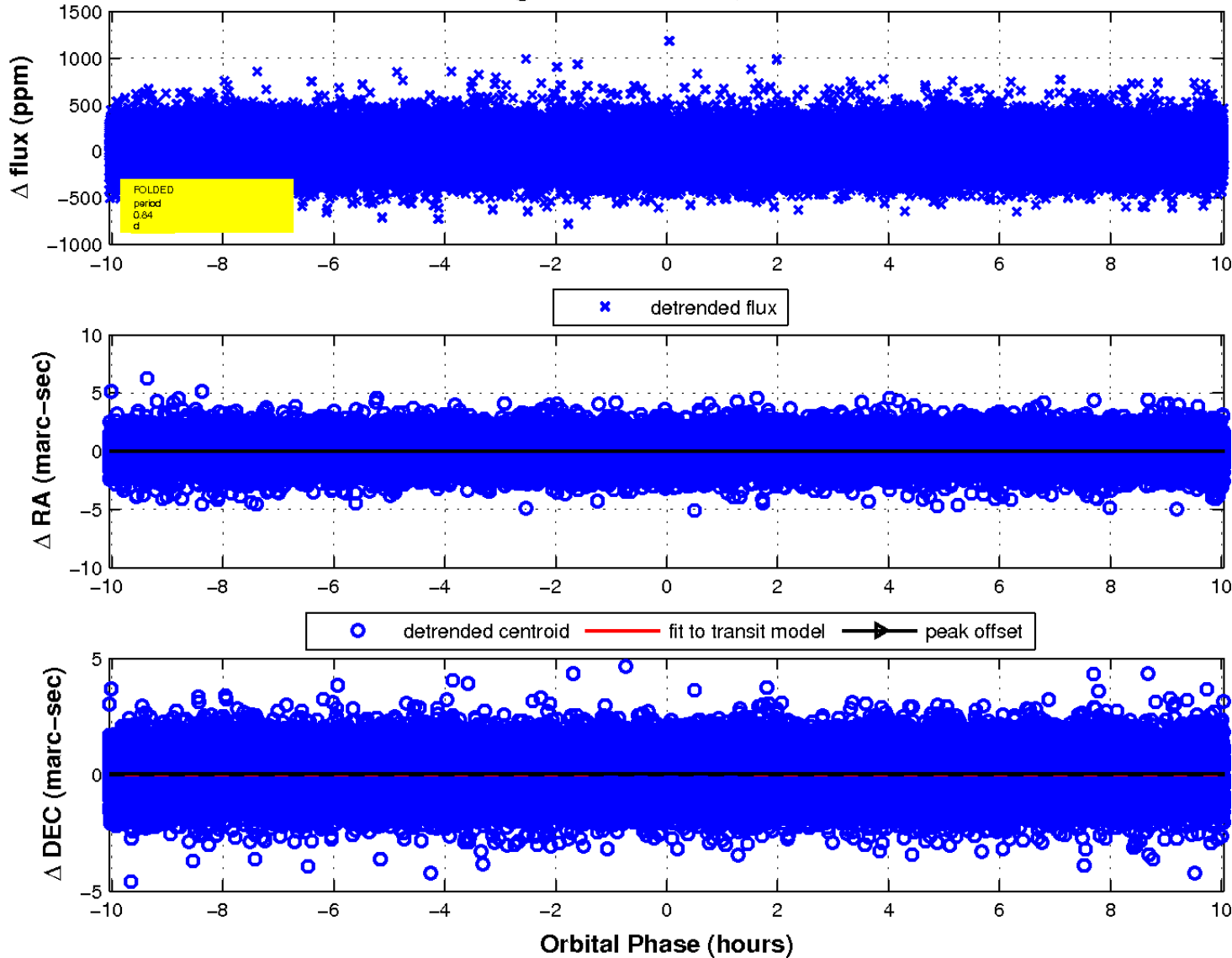
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

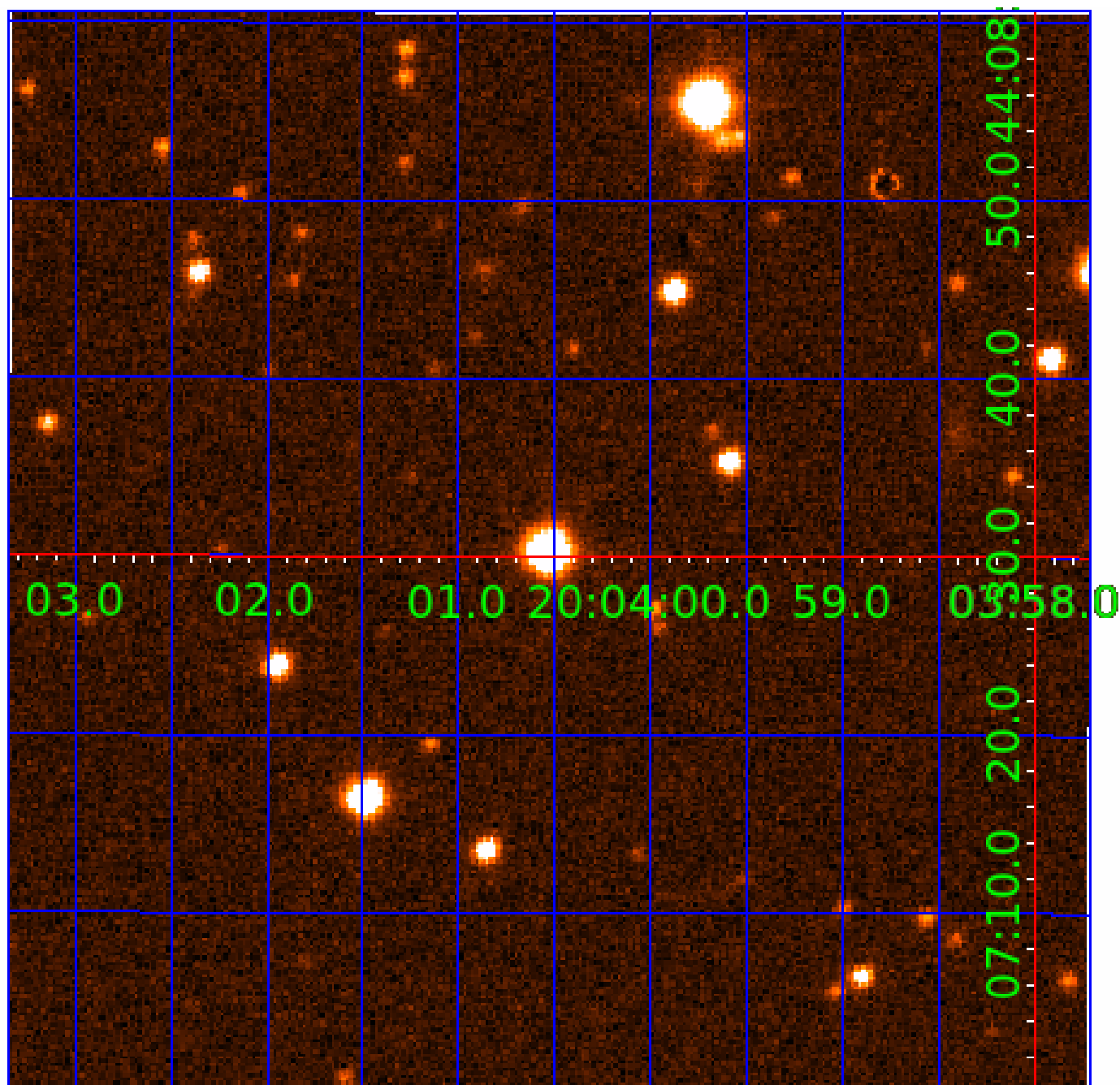


fluxWeightedCentroids, Planet 1 of 3



UKIRT Image

Declination



KIC 008264635

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})
008264635-01	OBS	No	0.836862	131.779301	19.0	3.589	10.3	10.0	1.73	7672	0.87	22302.53
008264635-02	OBS	No	425.141000	452.931702	552.8	25.948	12.6	7.0	1.73	7672	4.77	5.50
008264635-03	OBS	No	366.553084	246.001916	295.4	10.306	8.3	7.0	1.73	7672	3.40	6.71

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008264635-01	OBS	FP	0.00	1	0	0	0	LPP_DV
008264635-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—LPP_ALT—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_POS_DV—INCONSISTENT_TRANS—CENT_FEW_DIFFS
008264635-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_ALT—MOD_POS_ALT—INCONSISTENT_TRANS—CENT_FEW_DIFFS

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

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

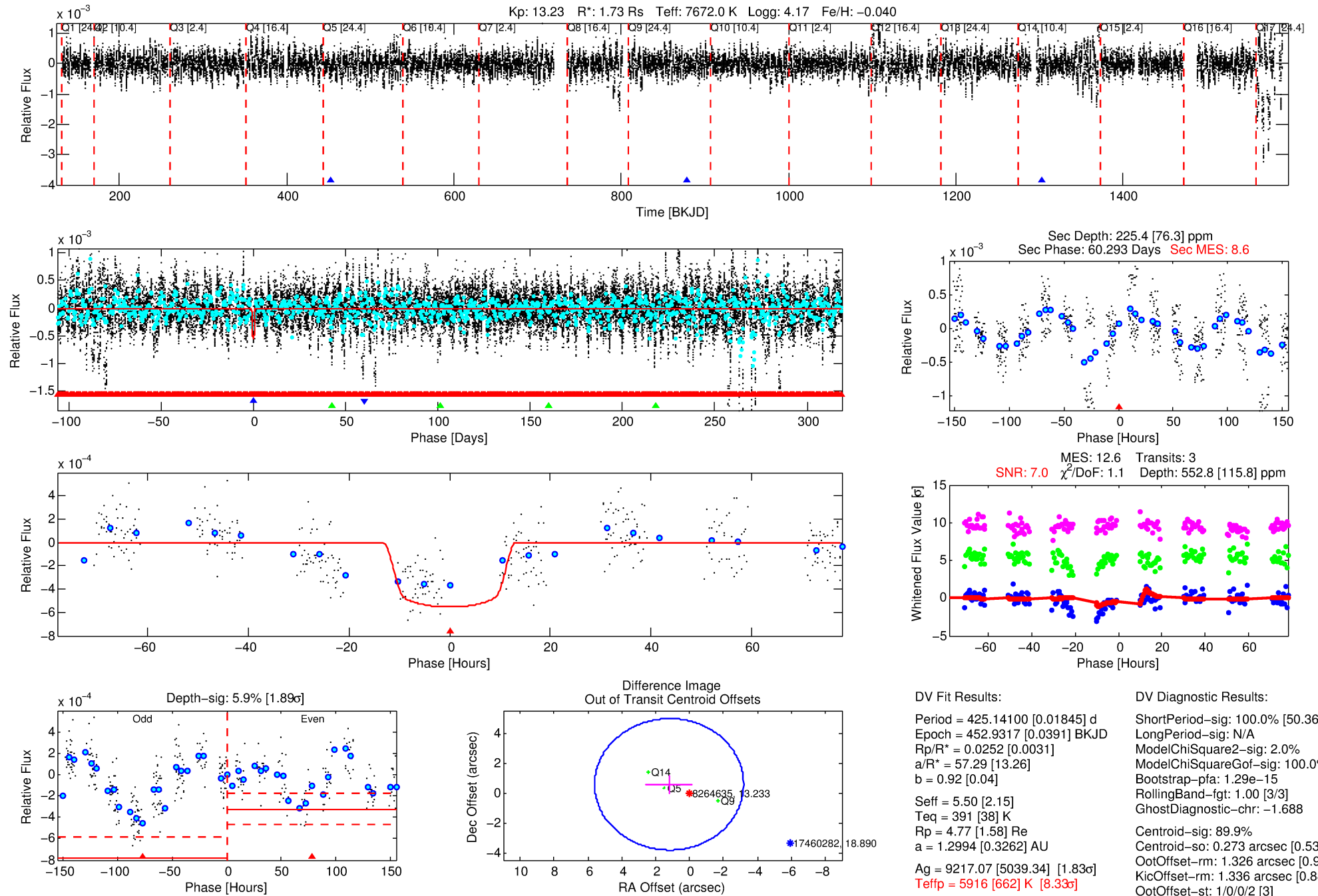
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008264635-02

No Significant Match Found

DV One-Page Summary

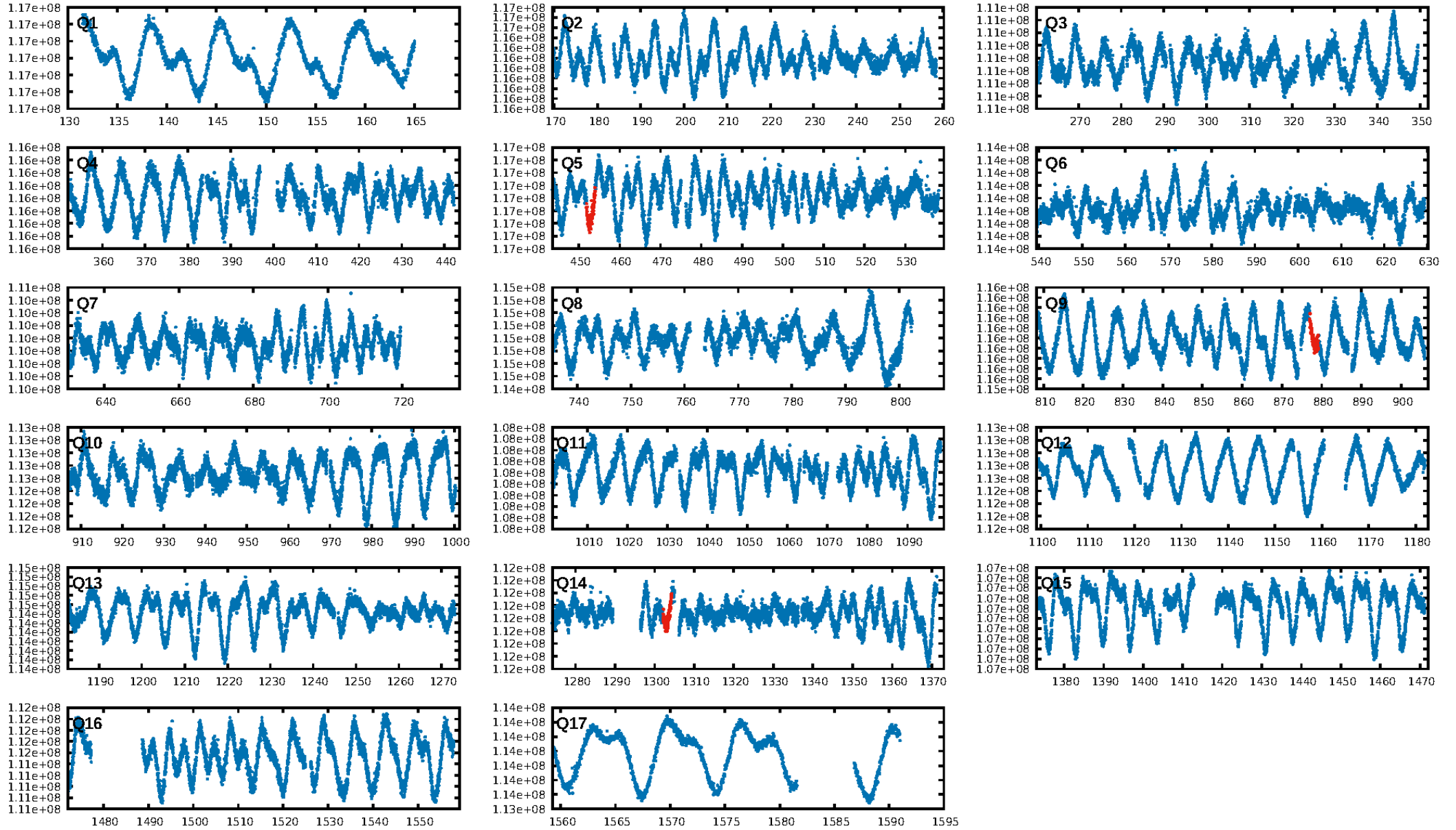
KIC: 8264635 Candidate: 2 of 3 Period: 425.141 d



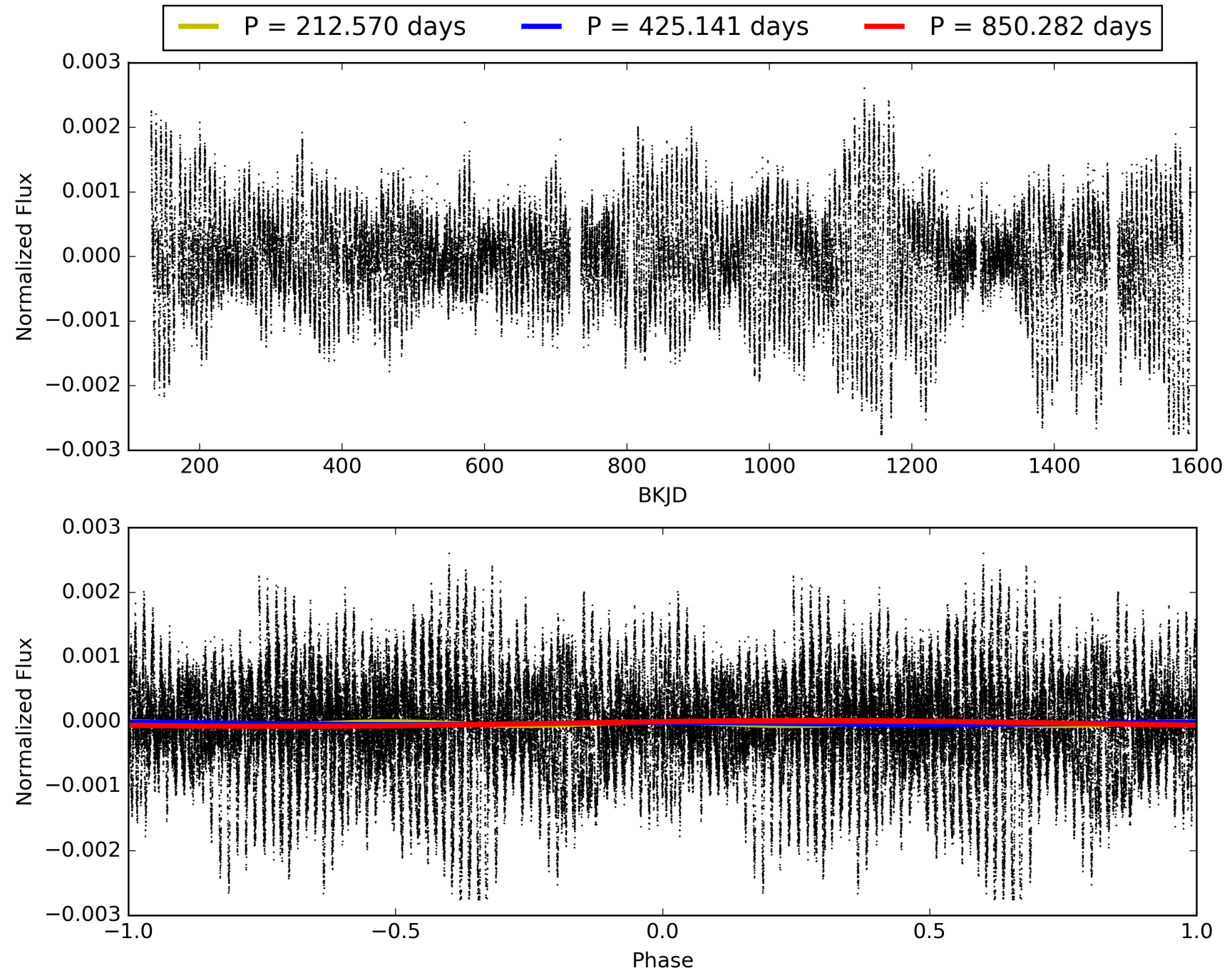
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 09:51:39 Z

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

TCE 008264635-02, PDC Light Curves

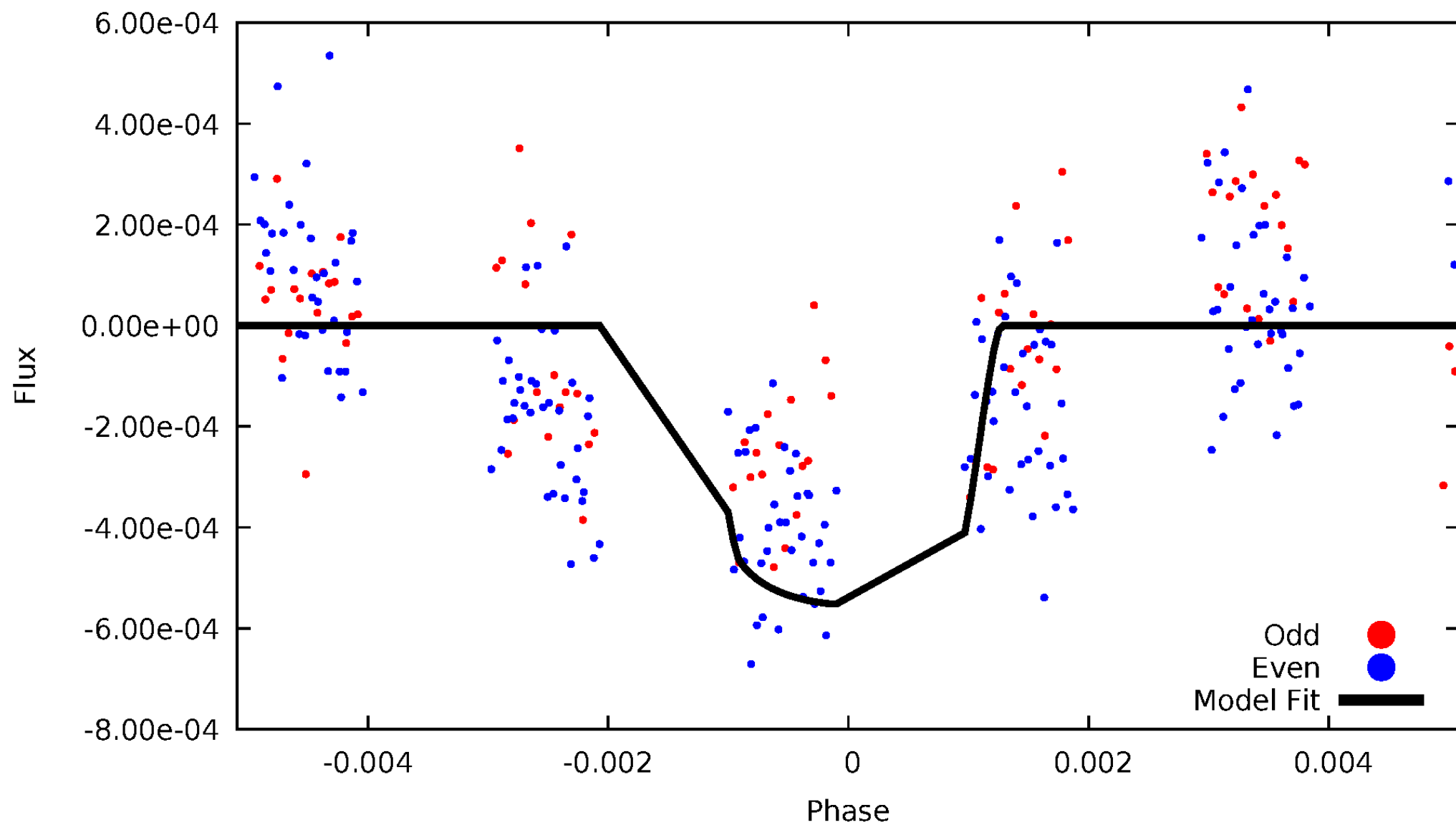


TCE 008264635-02



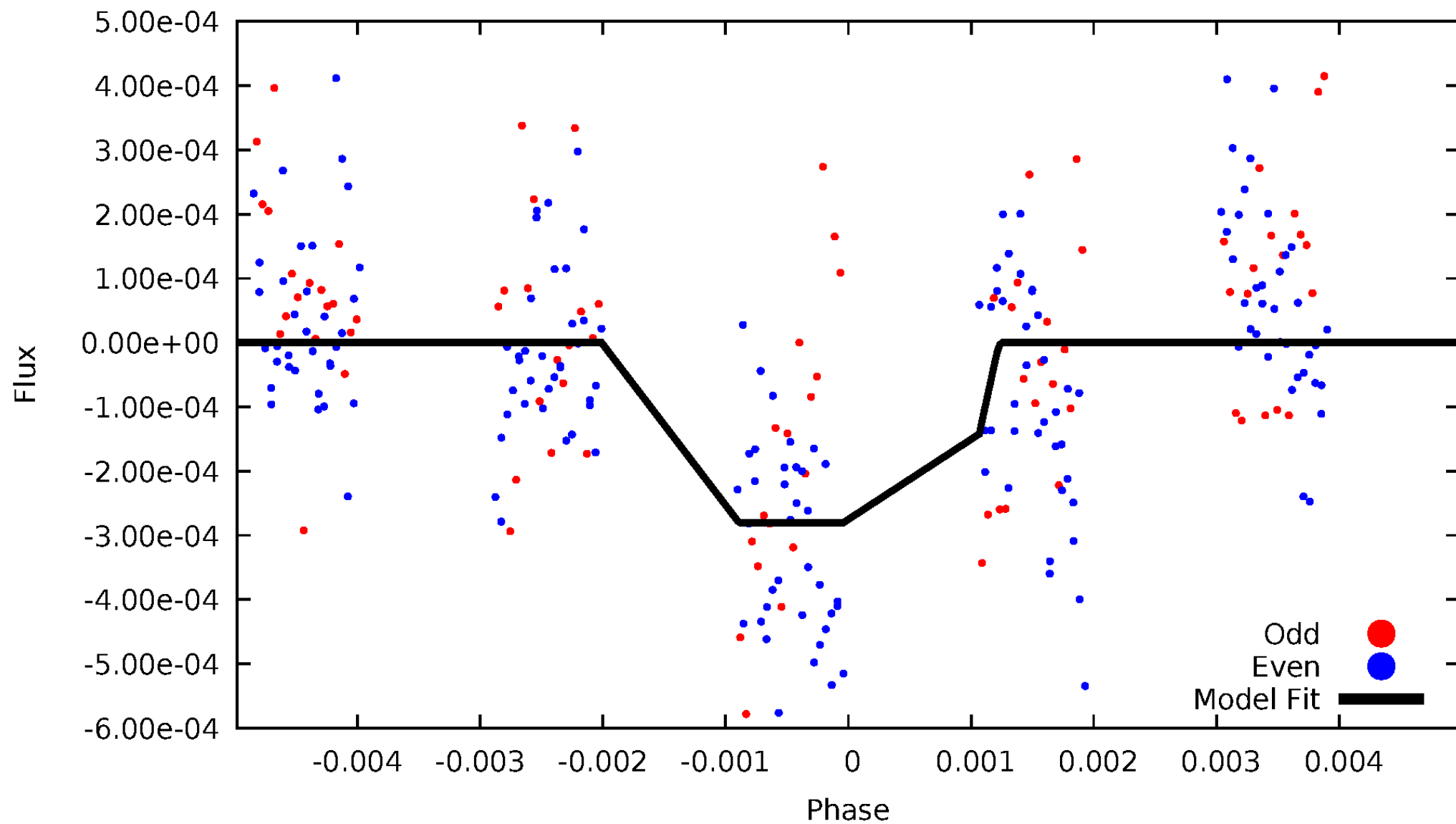
DV Odd/Even

TCE 008264635-02



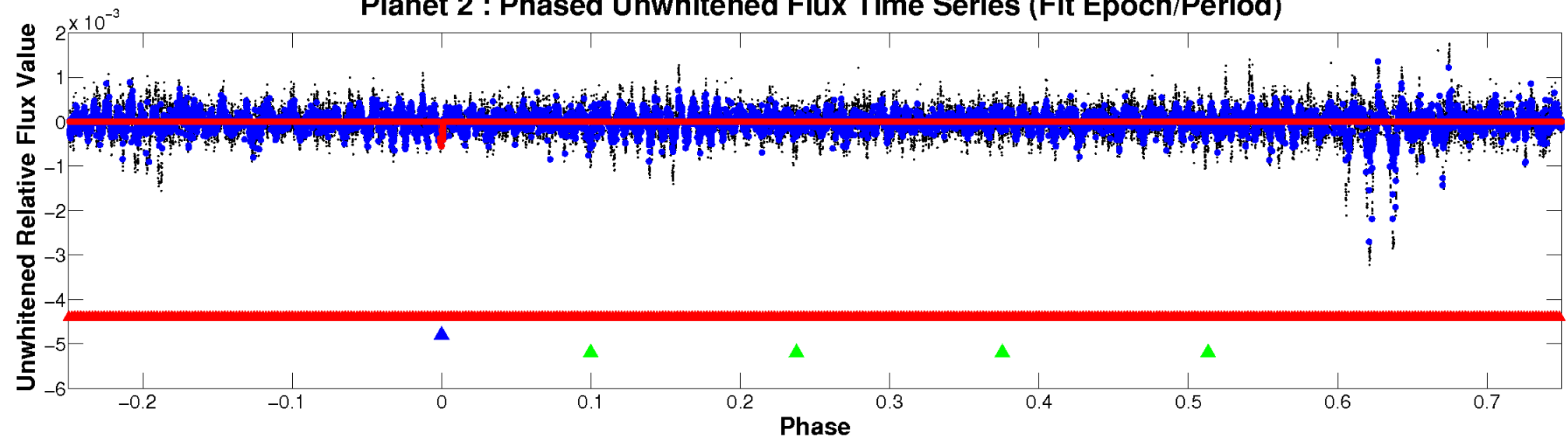
ALT Odd/Even

TCE 008264635-02

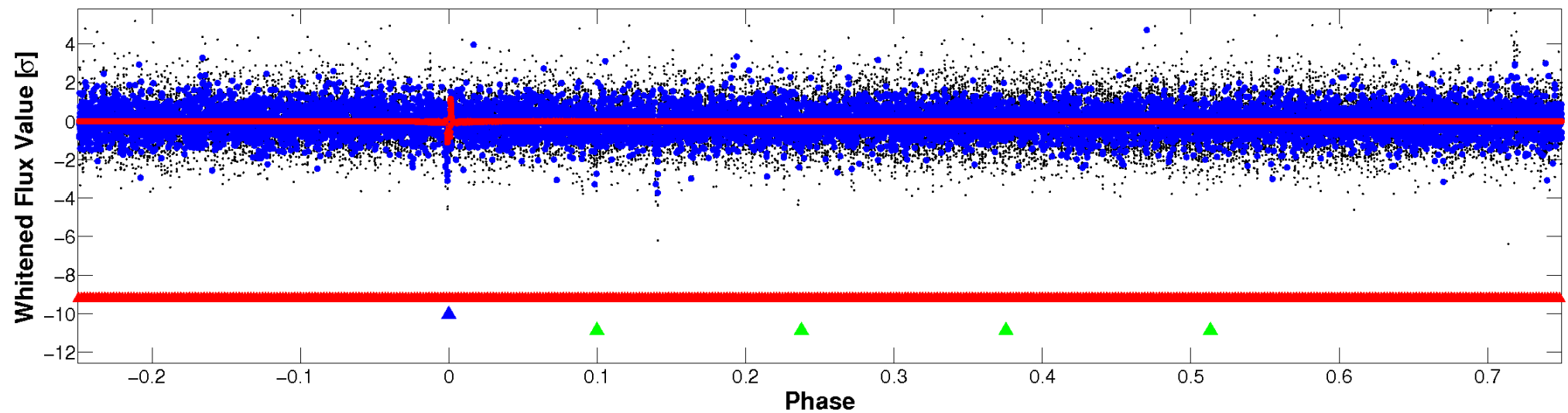


Non-Whitened Vs. Whitened Light Curve

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

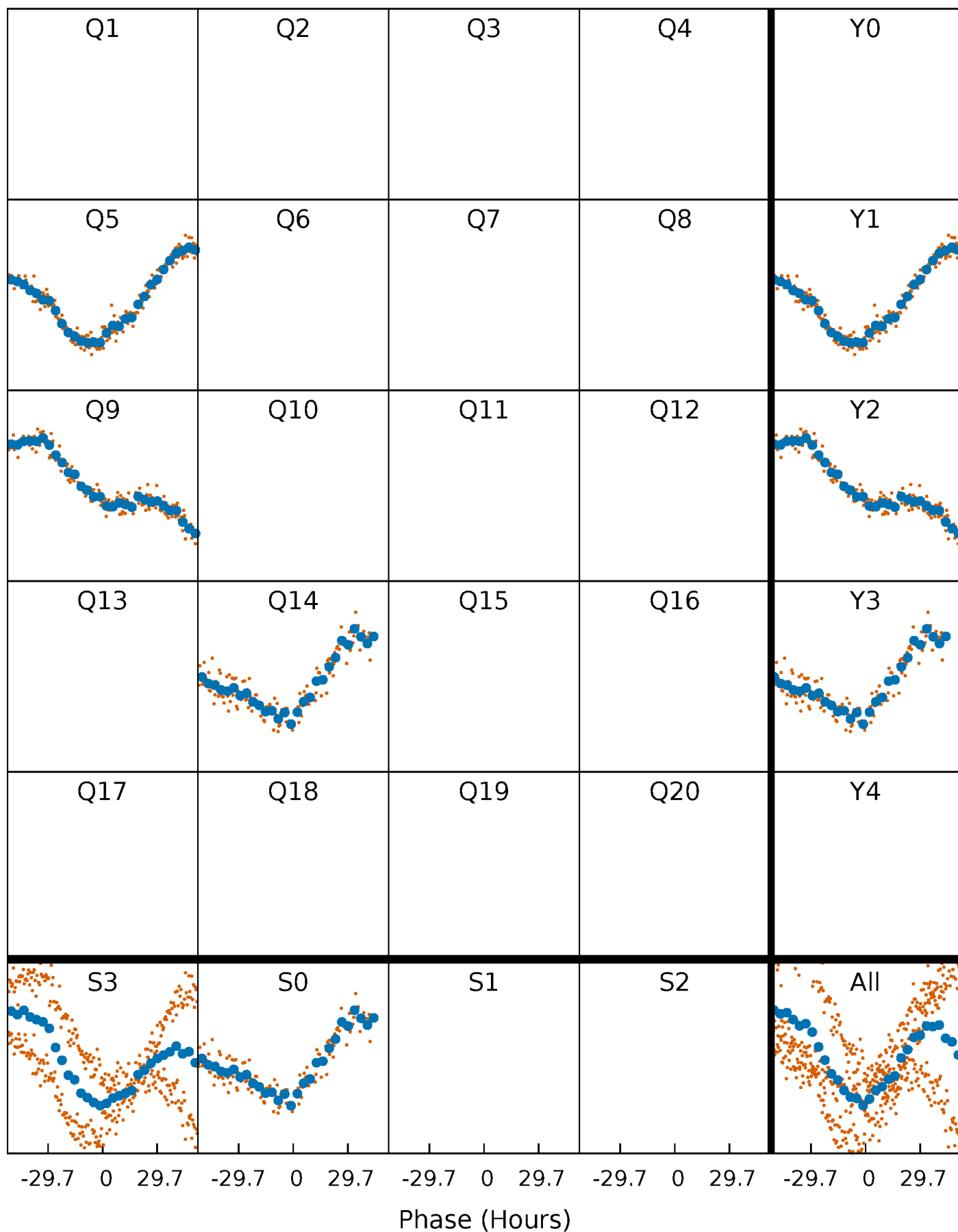


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



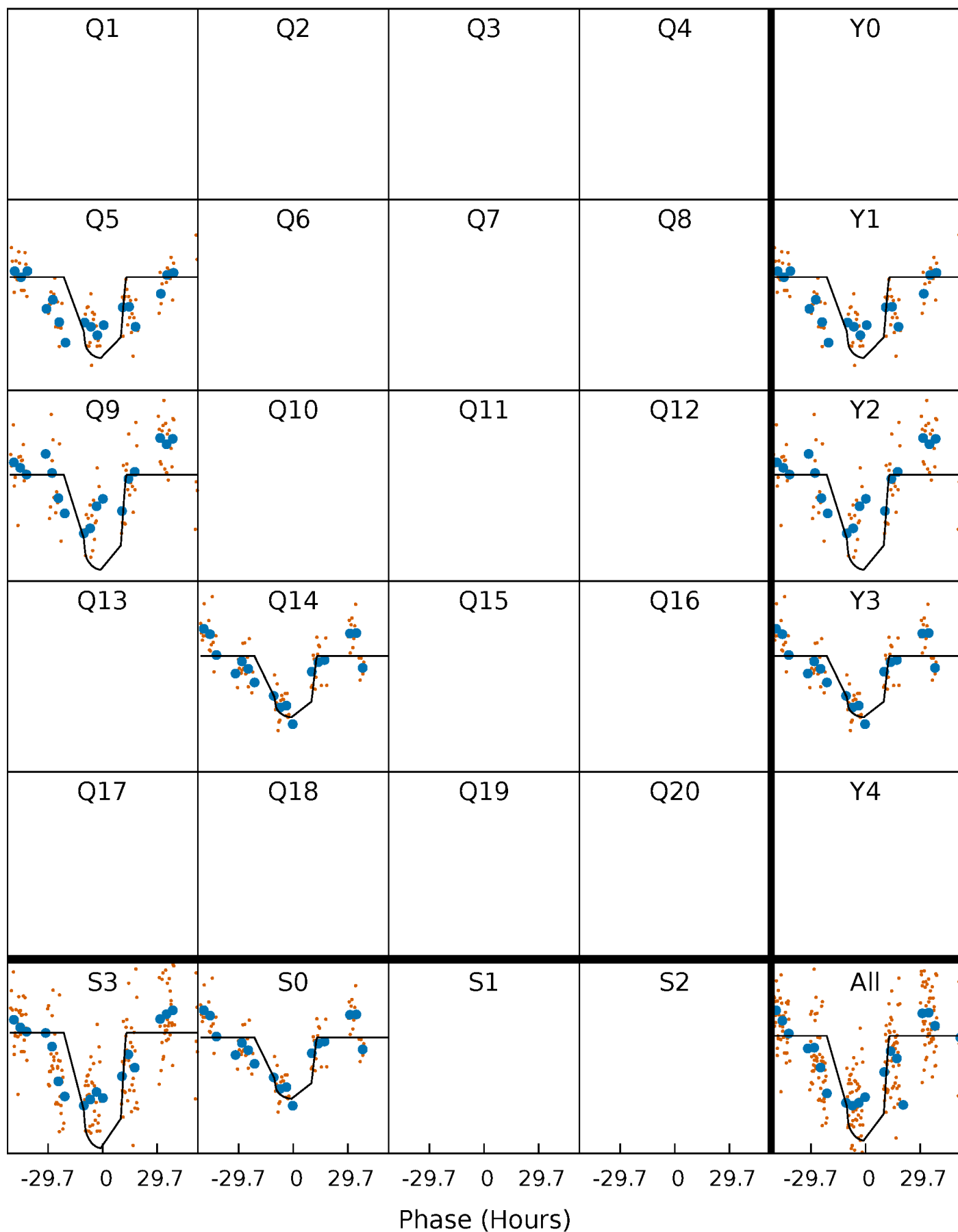
PDC Quarter-Phased Transit Curves

TCE 008264635-02 P=425.141000 Days $T_0=452.931702$ (BKJD)



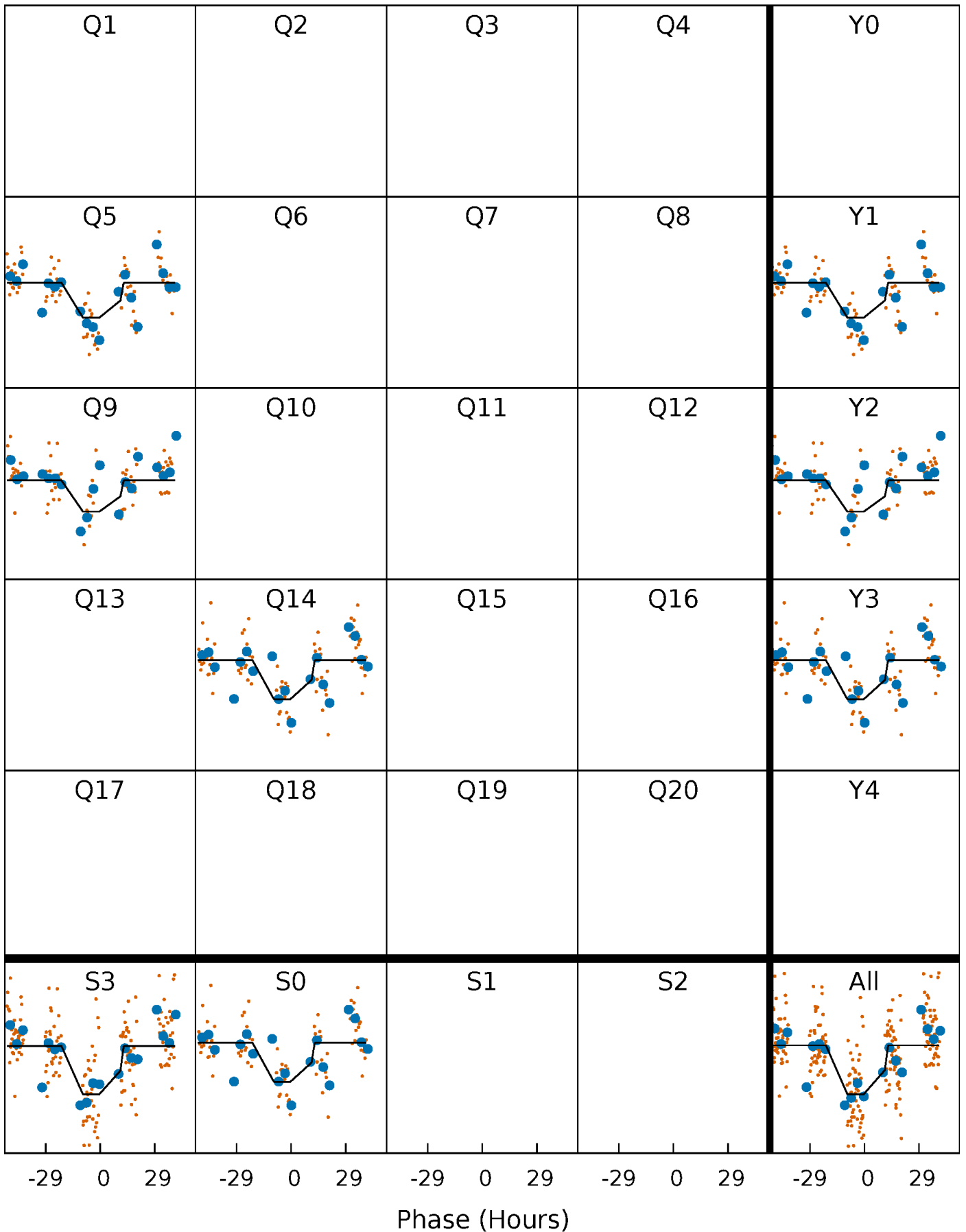
DV Quarter-Phased Transit Curves

TCE 008264635-02 $P=425.141000$ Days $T_0=452.931702$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

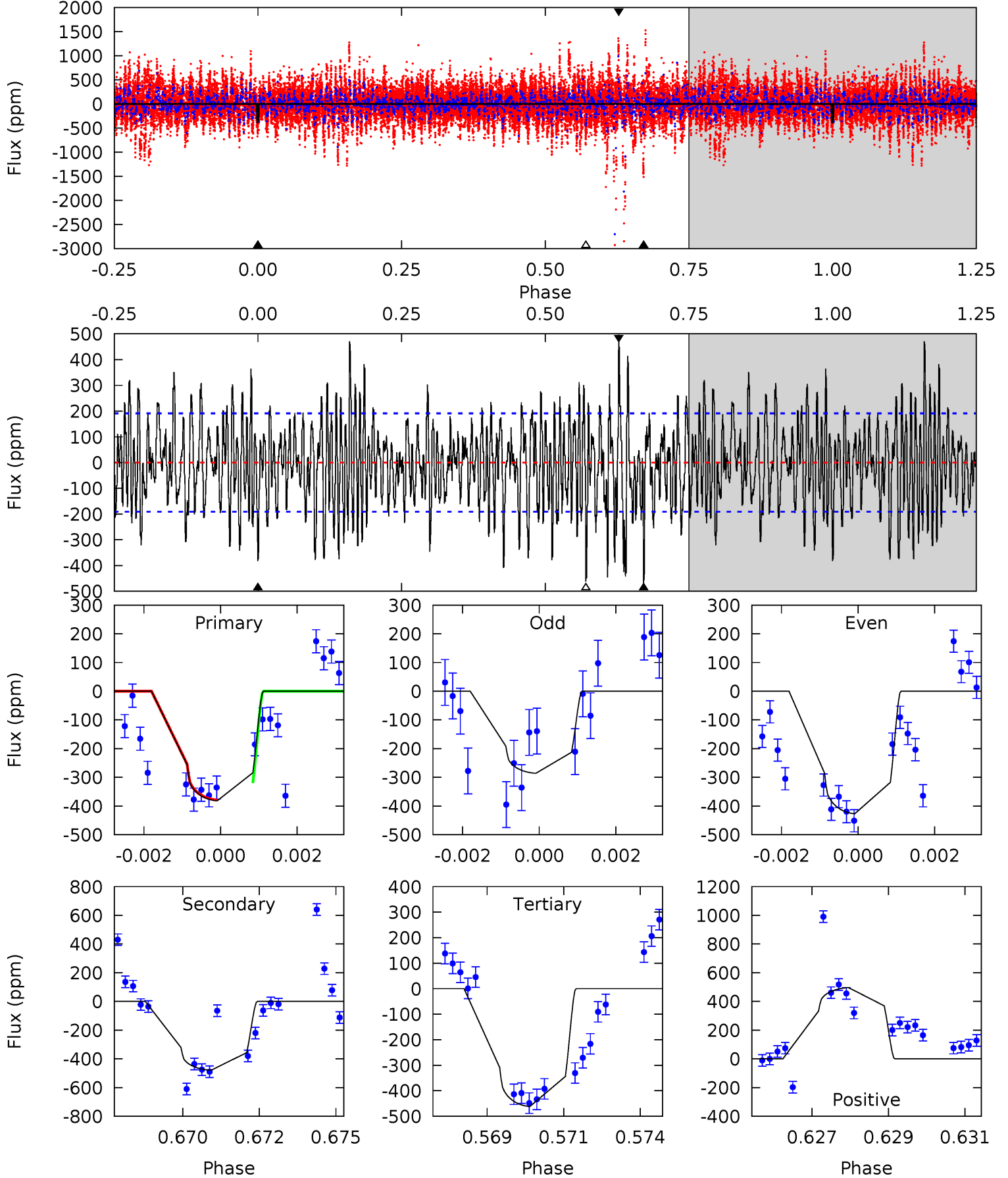
TCE 008264635-02 P=425.113405 Days $T_0=452.926122$ (BKJD)



DV Model-Shift Uniqueness Test

008264635-02, P = 425.141000 Days, E = 27.790702 Days

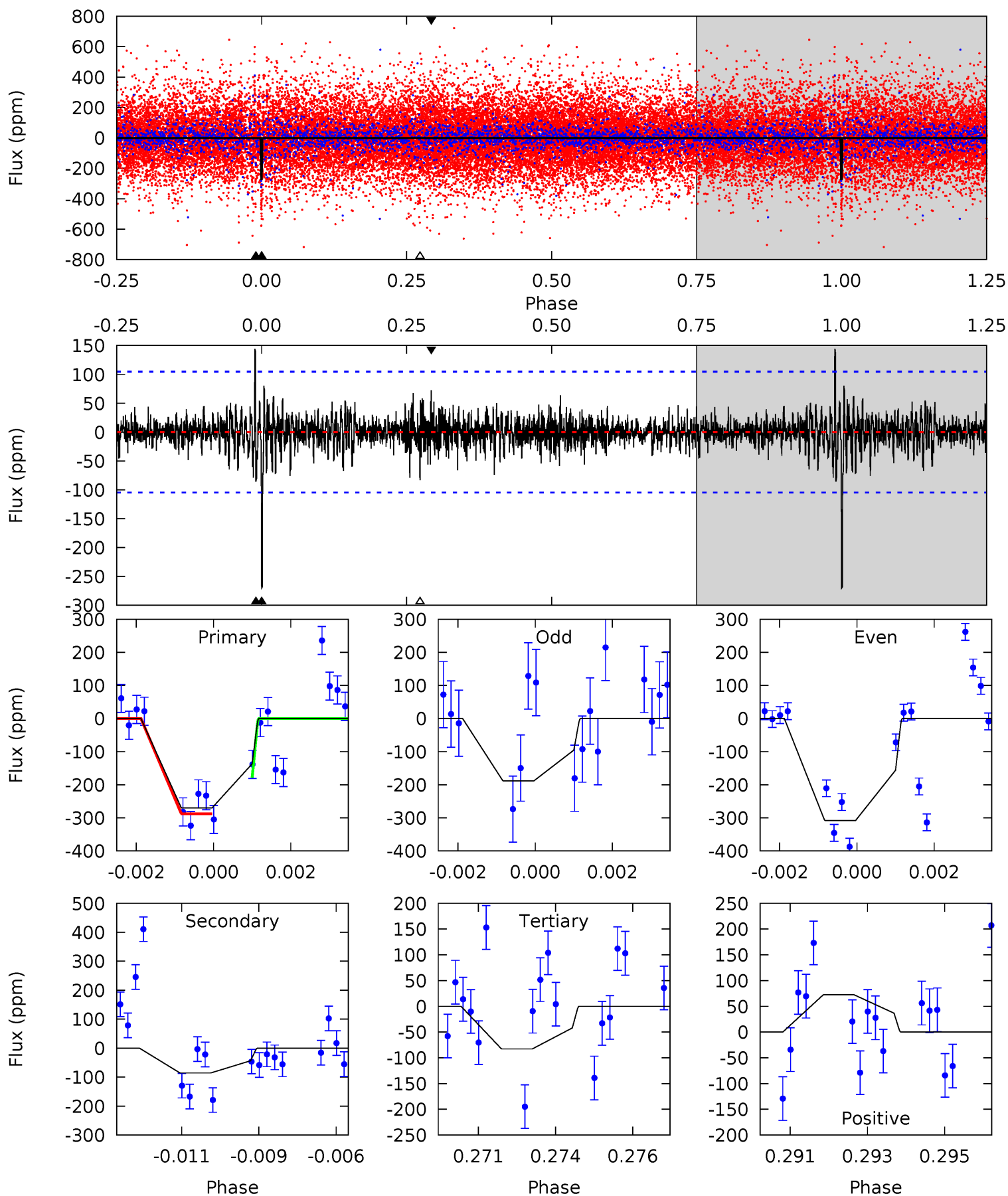
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.6	13.3	12.8	13.8	5.30	3.05	4.04	-2.21	-3.17	0.48	-0.48	1.69	1.00	0.51	0.76



Alt Model-Shift Uniqueness Test

008264635-02, $P = 425.113405$ Days, $E = 27.812717$ Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
13.7	4.35	4.21	3.68	5.31	3.07	0.96	9.51	10.0	0.14	0.67	2.80	1.00	0.35	2.08



Stellar Parameters For KIC 008264635

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7672^{+237}_{-316}	$4.171^{+0.101}_{-0.188}$	$-0.040^{+0.200}_{-0.350}$	$1.730^{+0.533}_{-0.287}$	$1.615^{+0.219}_{-0.219}$	$0.440^{+0.219}_{-0.235}$
	+3%/-4%	+2%/-5%	+500%/-875%	+31%/-17%	+14%/-14%	+50%/-53%
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 008264635-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-479 ± 36	$4.87^{+0.96}_{-0.73}$	549^{+39}_{-33}	7022^{+595}_{-498}	18684^{+6948}_{-5766}
Alt.	-86 ± 20	$3.23^{+0.82}_{-0.66}$	551^{+36}_{-32}	5537^{+683}_{-501}	7314^{+4668}_{-3008}

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

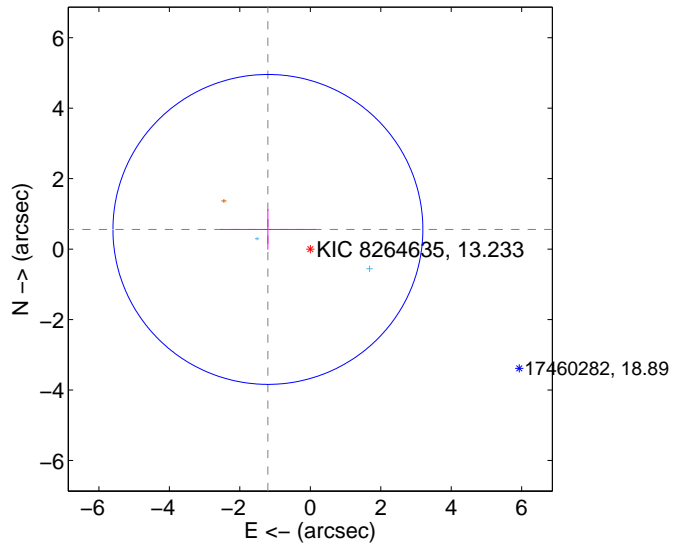
Supplemental centroid analysis for 008264635-02. Kepler magnitude: 13.23. Transit SNR 6.99

There are 2 quarters with good PRF difference image offsets

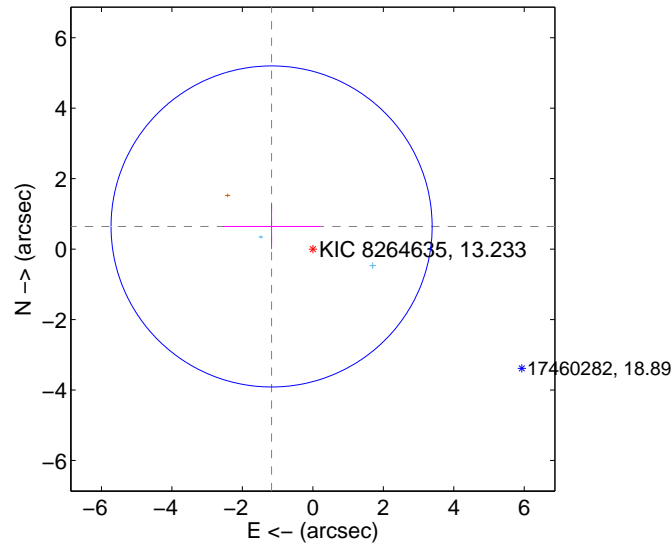
The direct PRF centroid is offset from the target star catalog position by about 0.16 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.326 ± 1.466	0.90	1.203 ± 1.354	0.558 ± 0.572
PRF-fit source offset from KIC position	1.336 ± 1.519	0.88	1.171 ± 1.387	0.643 ± 0.639
photometric centroid source offset	0.27 ± 0.52	0.53	0.27 ± 0.51	0.06 ± 0.53

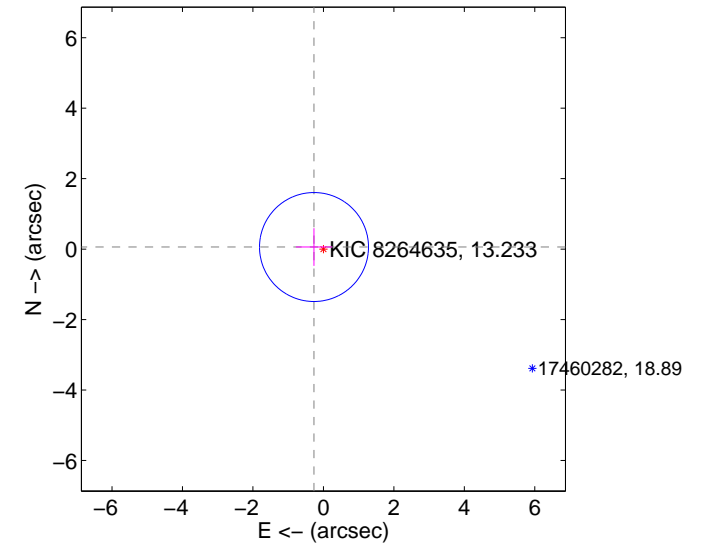
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

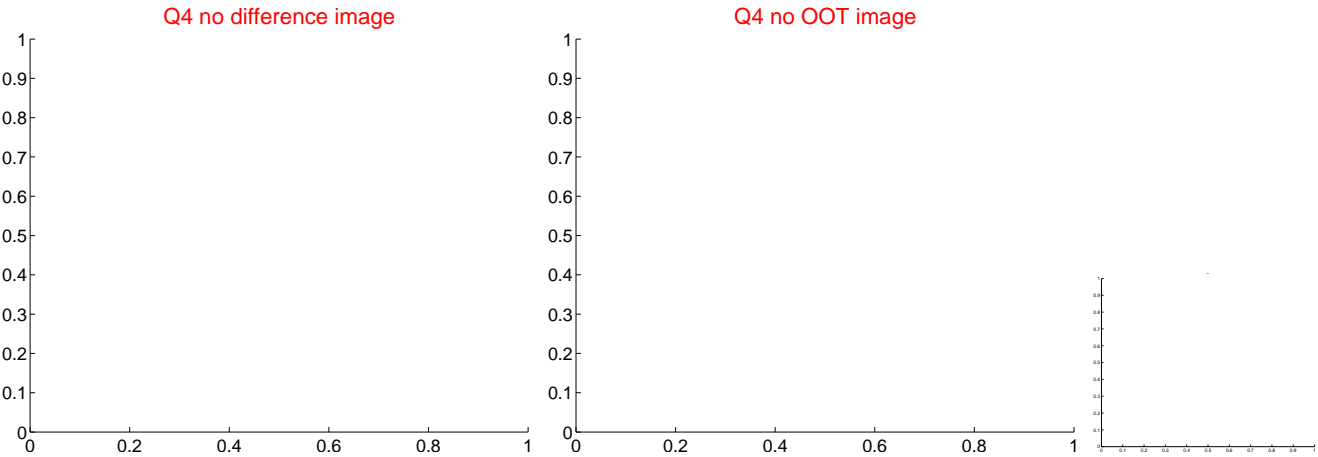
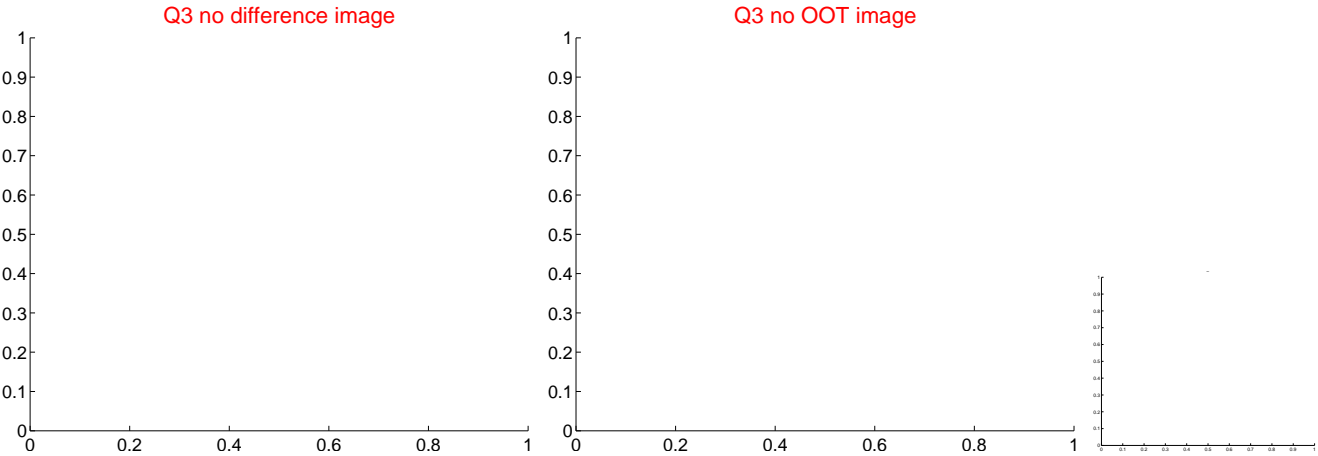
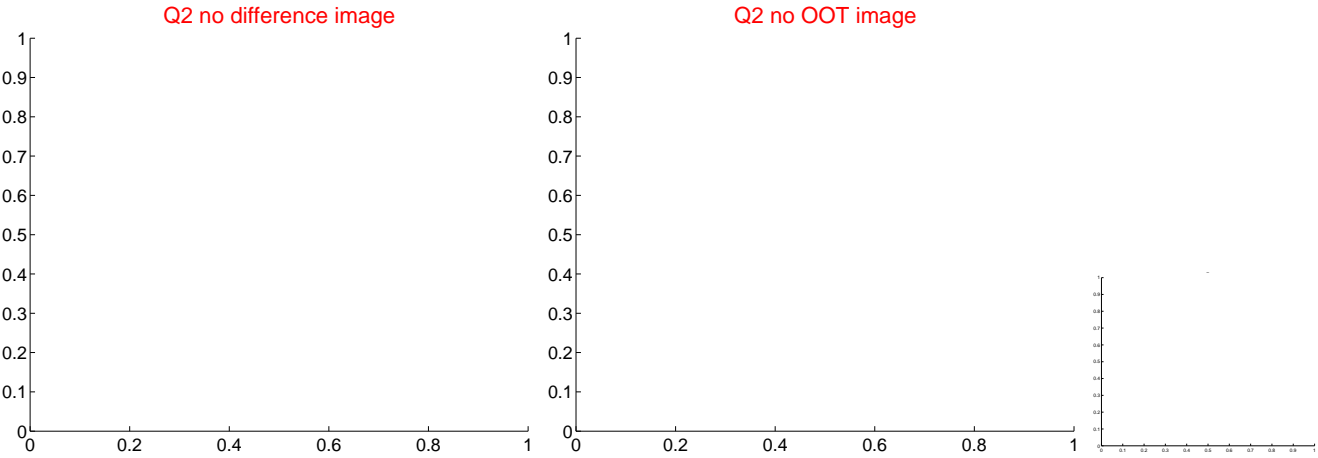
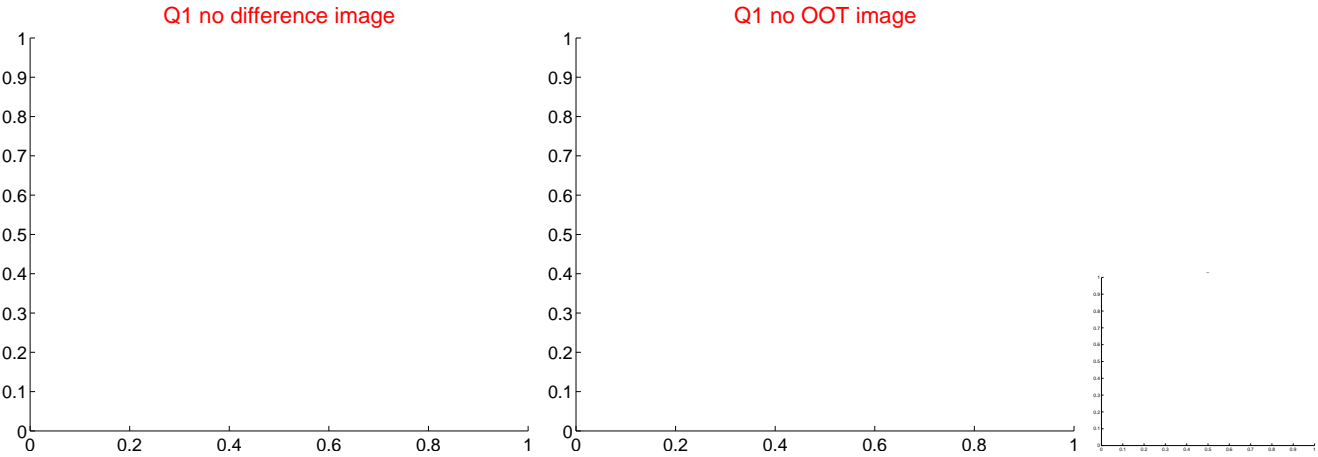


offset from photometric centroids

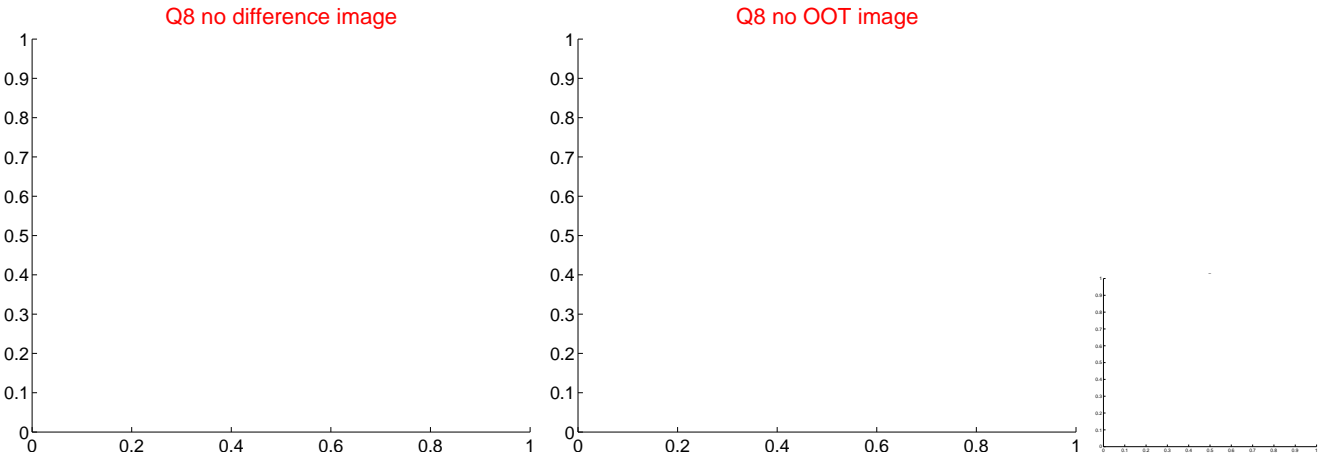
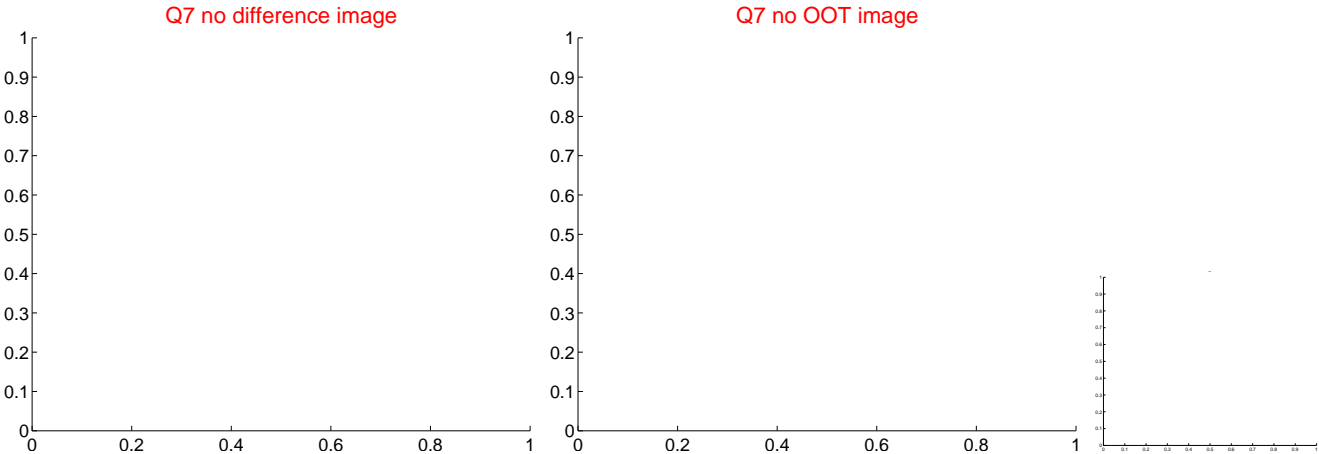
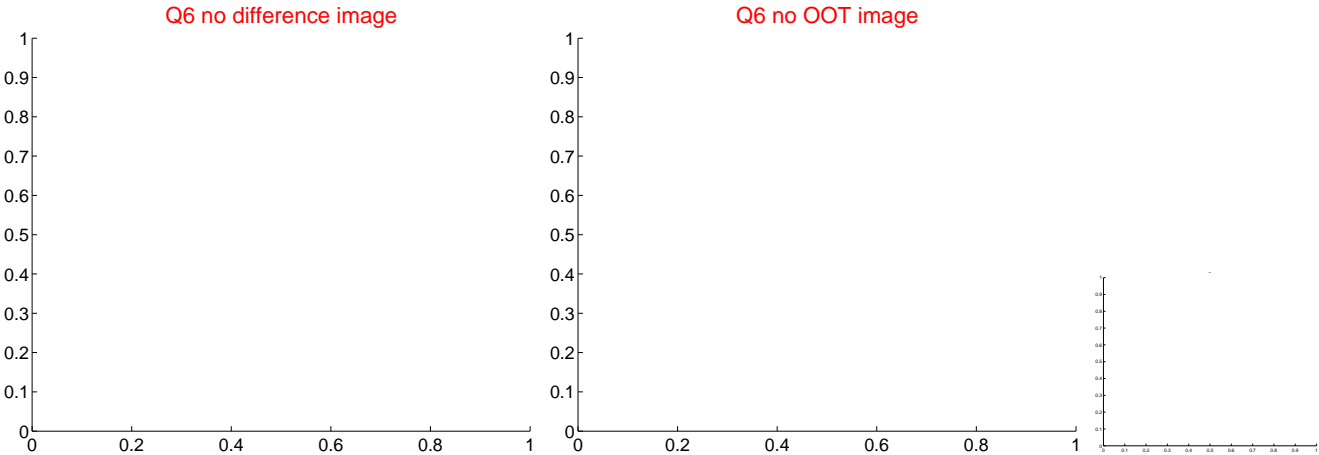
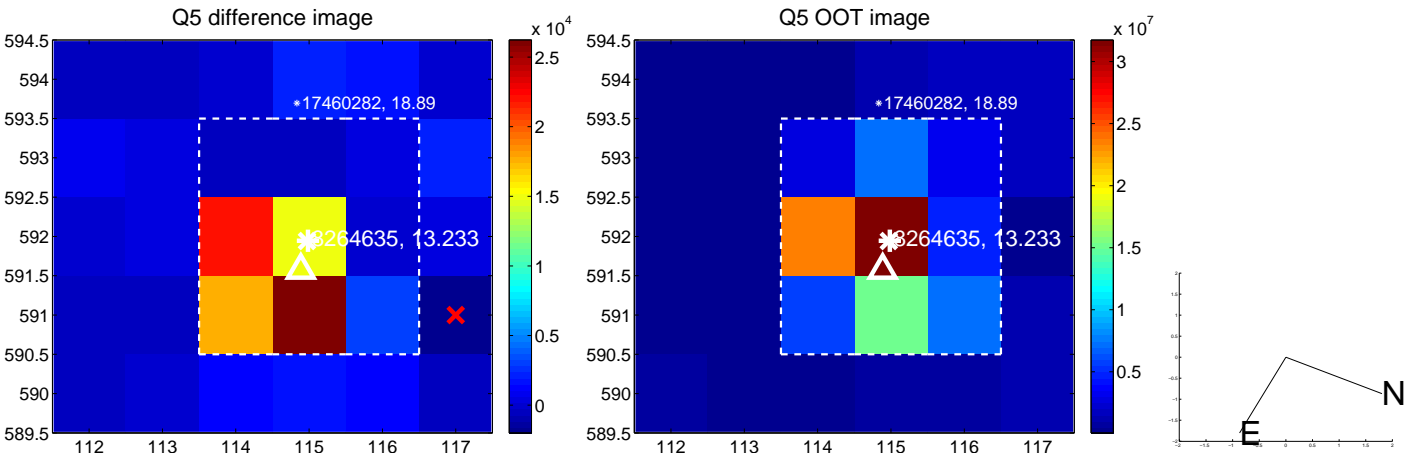


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

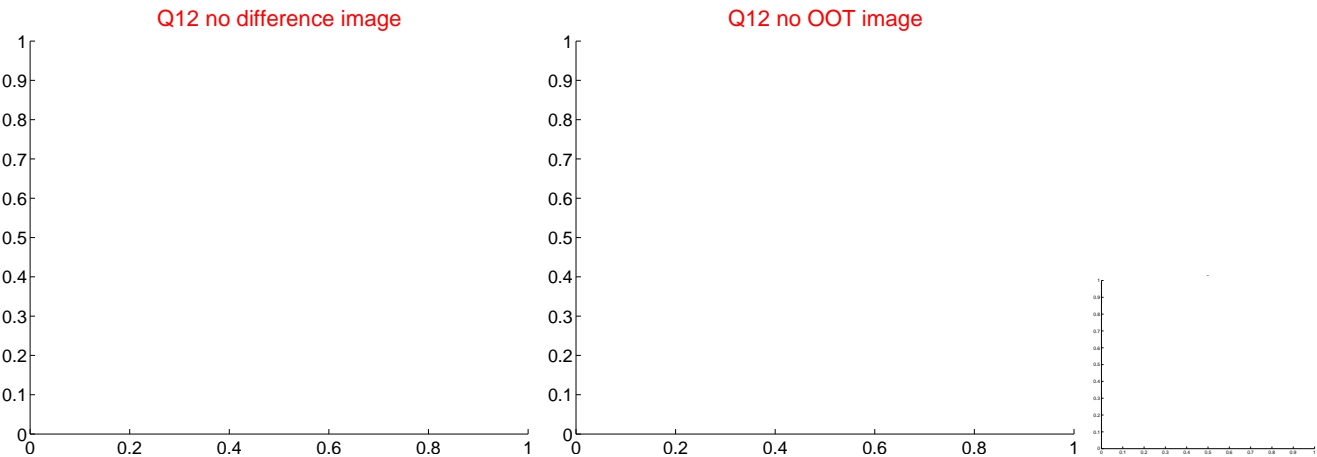
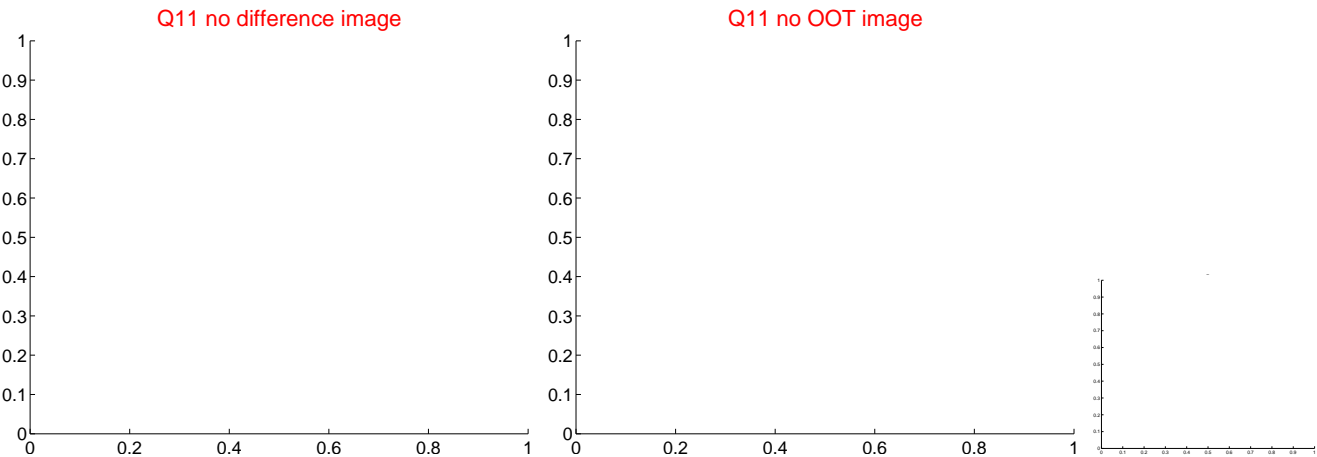
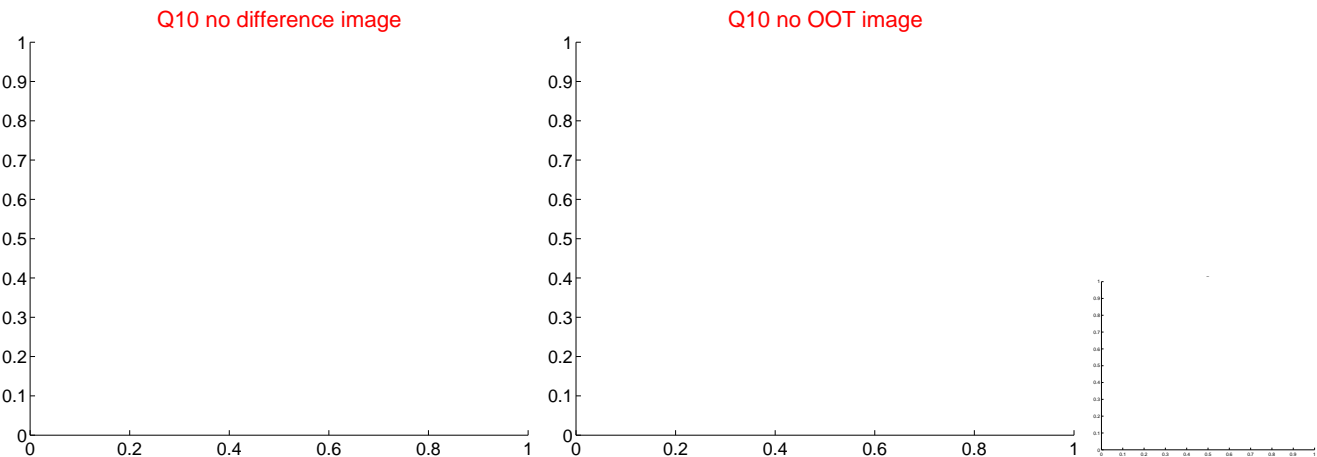
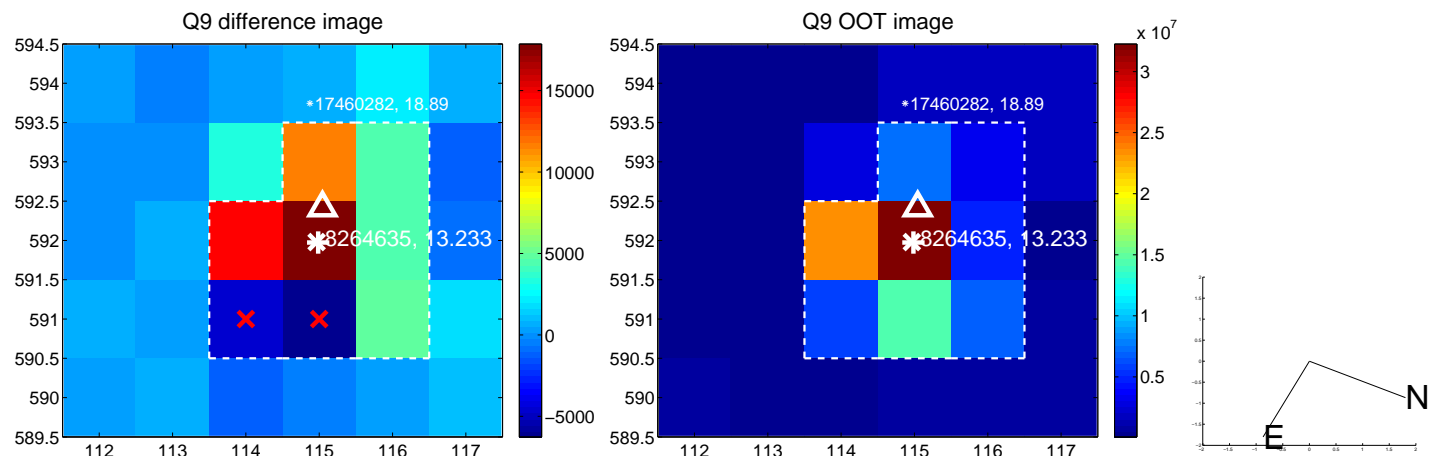
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



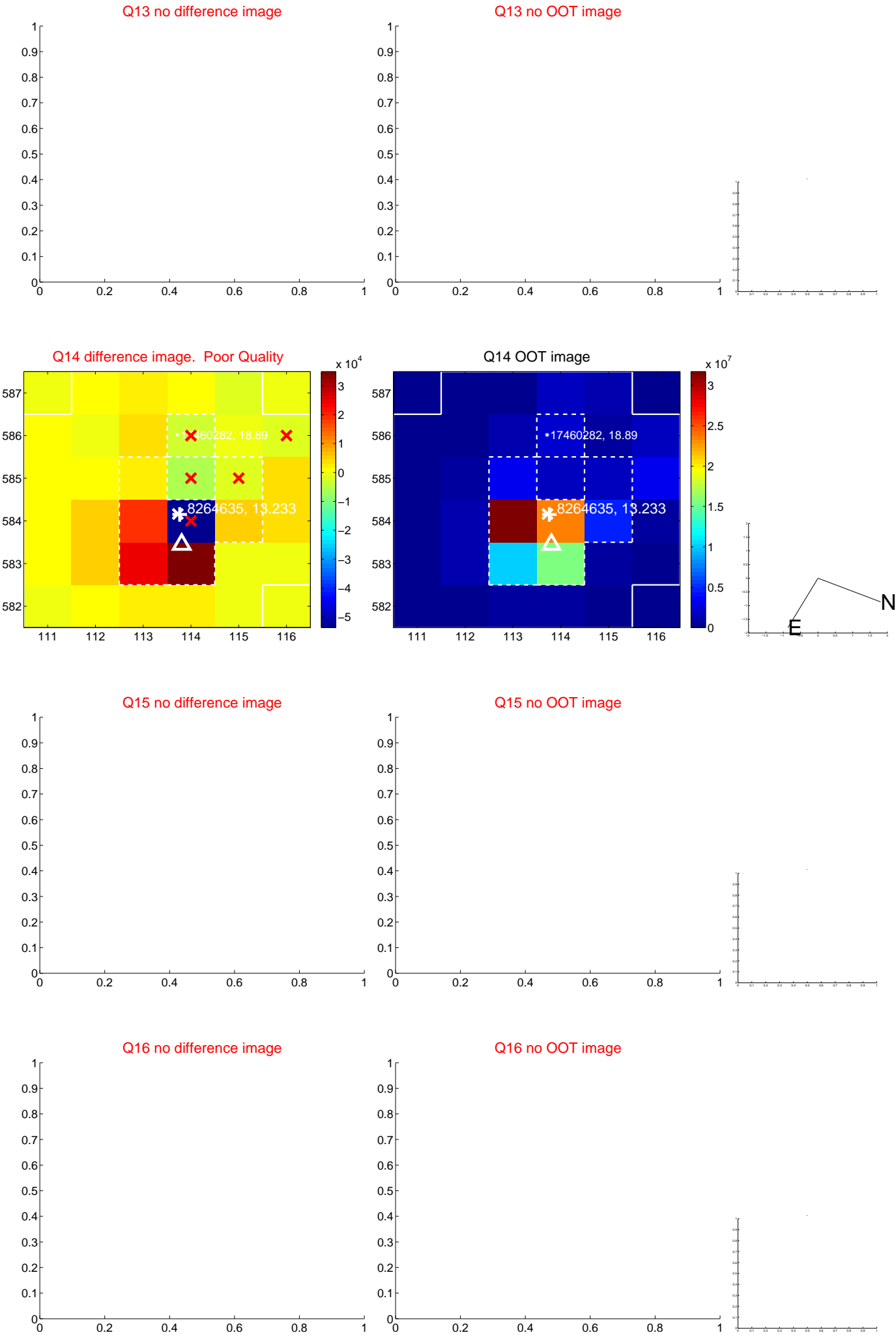
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



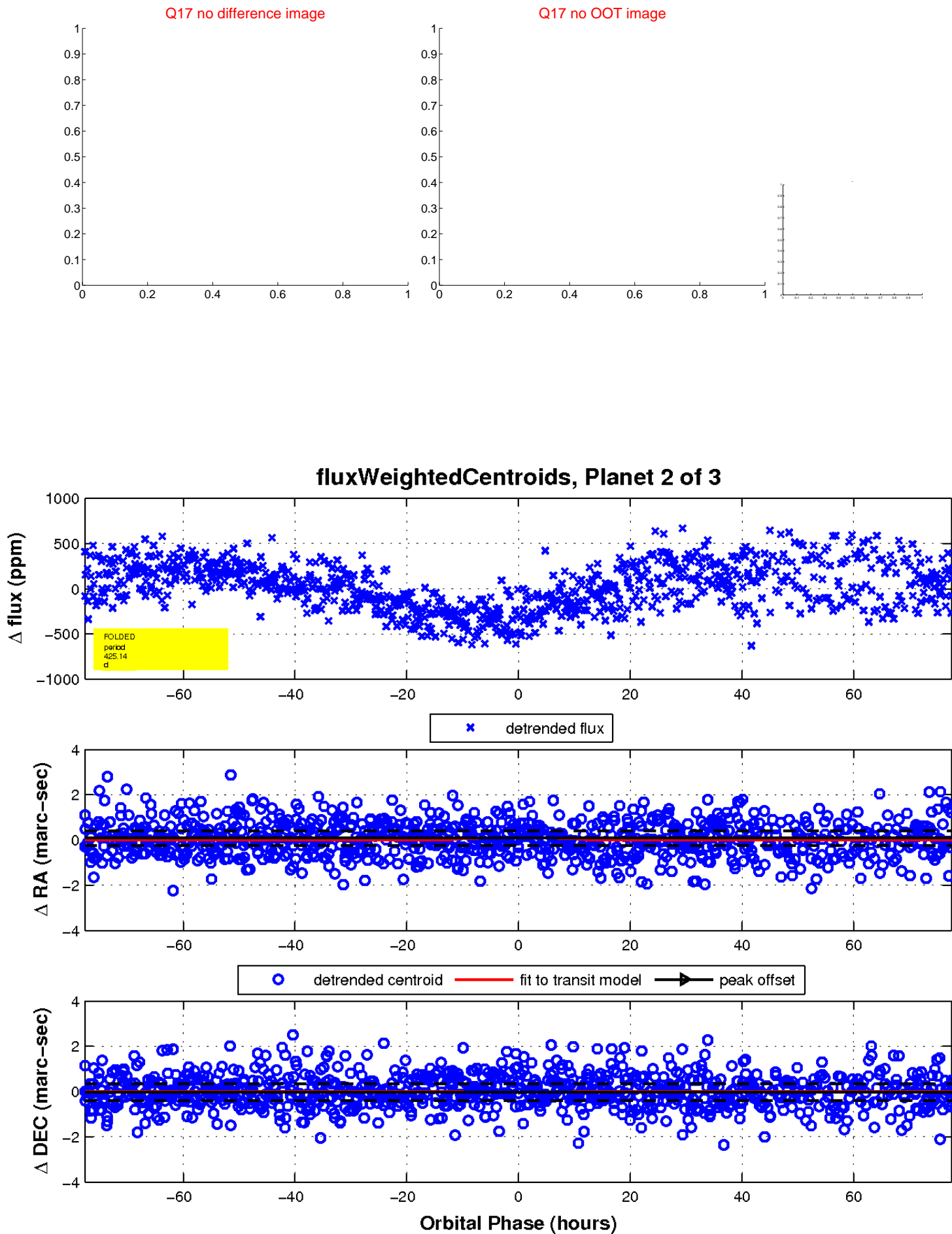
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.



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

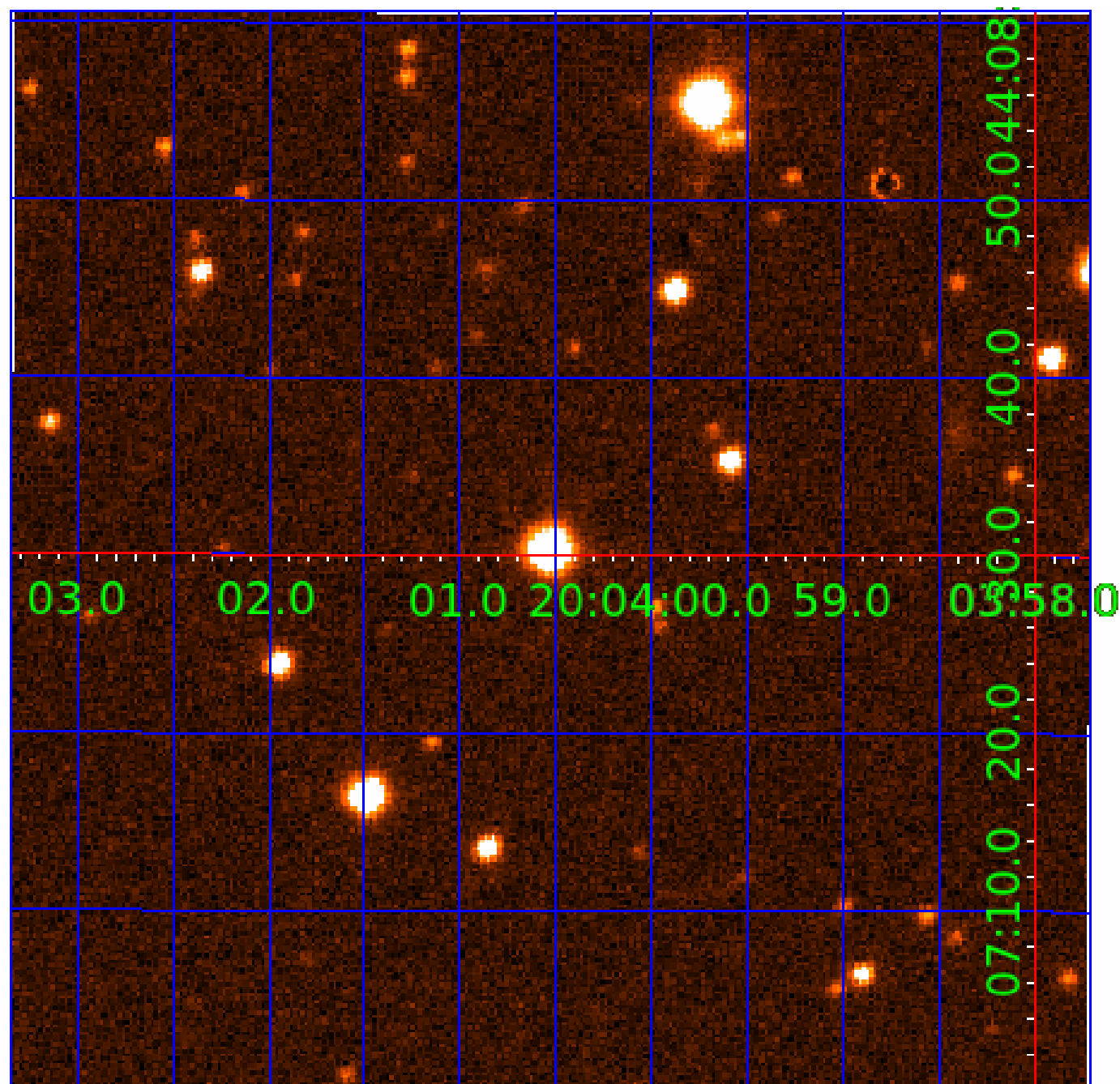


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 008264635

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})
008264635-01	OBS	No	0.836862	131.779301	19.0	3.589	10.3	10.0	1.73	7672	0.87	22302.53
008264635-02	OBS	No	425.141000	452.931702	552.8	25.948	12.6	7.0	1.73	7672	4.77	5.50
008264635-03	OBS	No	366.553084	246.001916	295.4	10.306	8.3	7.0	1.73	7672	3.40	6.71

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008264635-01	OBS	FP	0.00	1	0	0	0	LPP_DV
008264635-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—LPP_ALT—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_POS_DV—INCONSISTENT_TRANS—CENT_FEW_DIFFS
008264635-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_ALT—MOD_POS_ALT—INCONSISTENT_TRANS—CENT_FEW_DIFFS

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

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

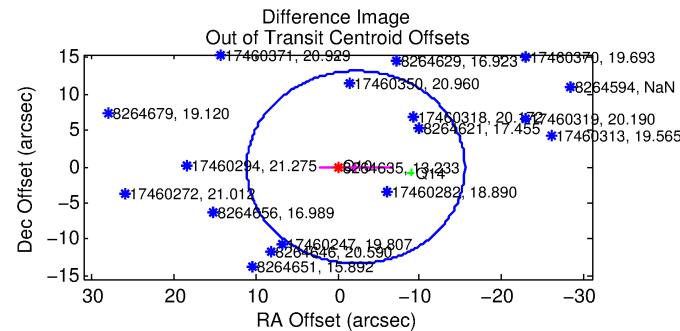
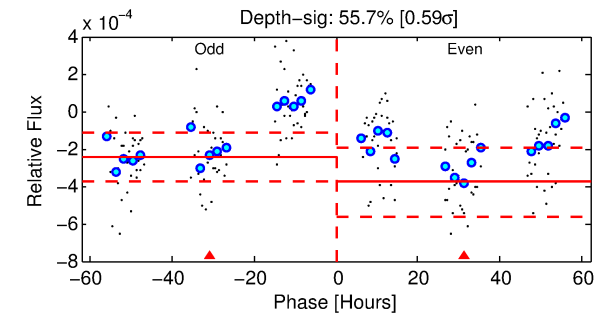
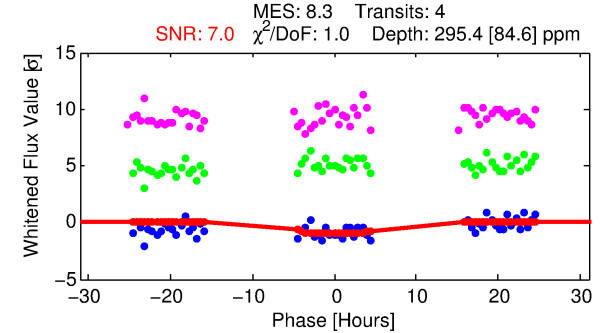
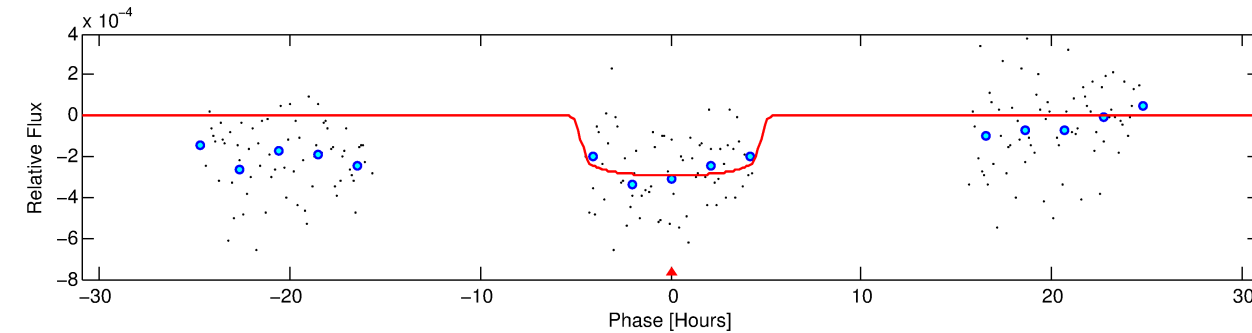
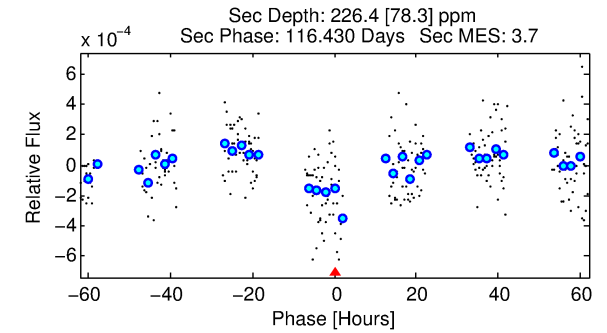
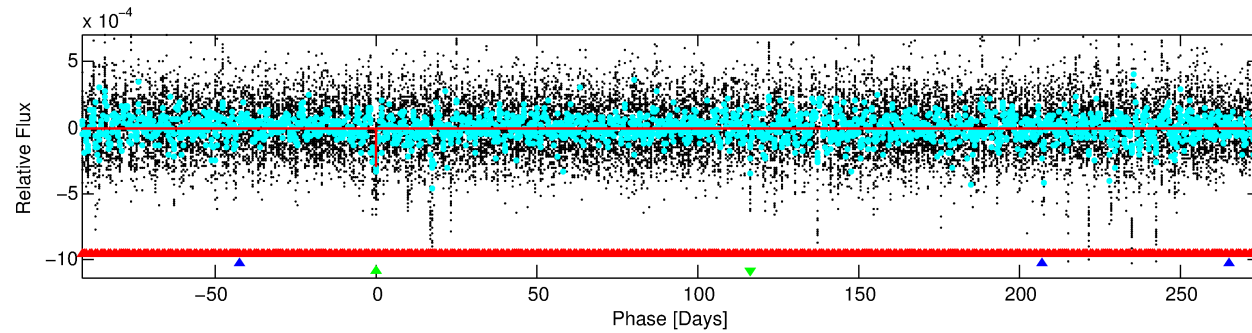
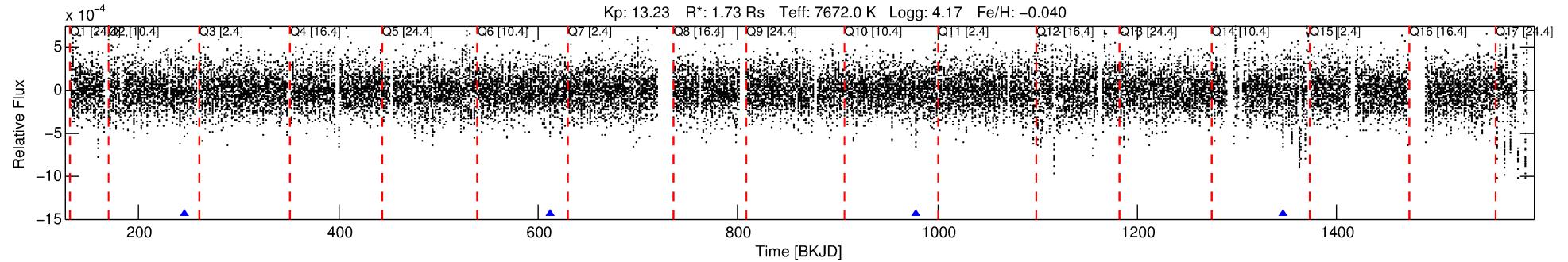
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008264635-03

No Significant Match Found

DV One-Page Summary

KIC: 8264635 Candidate: 3 of 3 Period: 366.553 d



DV Fit Results:

Period = 366.55308 [0.03101] d
Epoch = 246.0019 [0.0799] BKJD
Rp/R* = 0.0180 [0.0135]
a/R* = 137.25 [640.27]
b = 0.88 [1.09]
Seff = 6.70 [2.62]
Teq = 410 [40] K
Rp = 3.40 [2.75] Re
a = 1.1771 [0.2955] AU
Ag = 14926.45 [23494.92] [0.64σ]
Teffp = 7012 [2704] K [2.44σ]

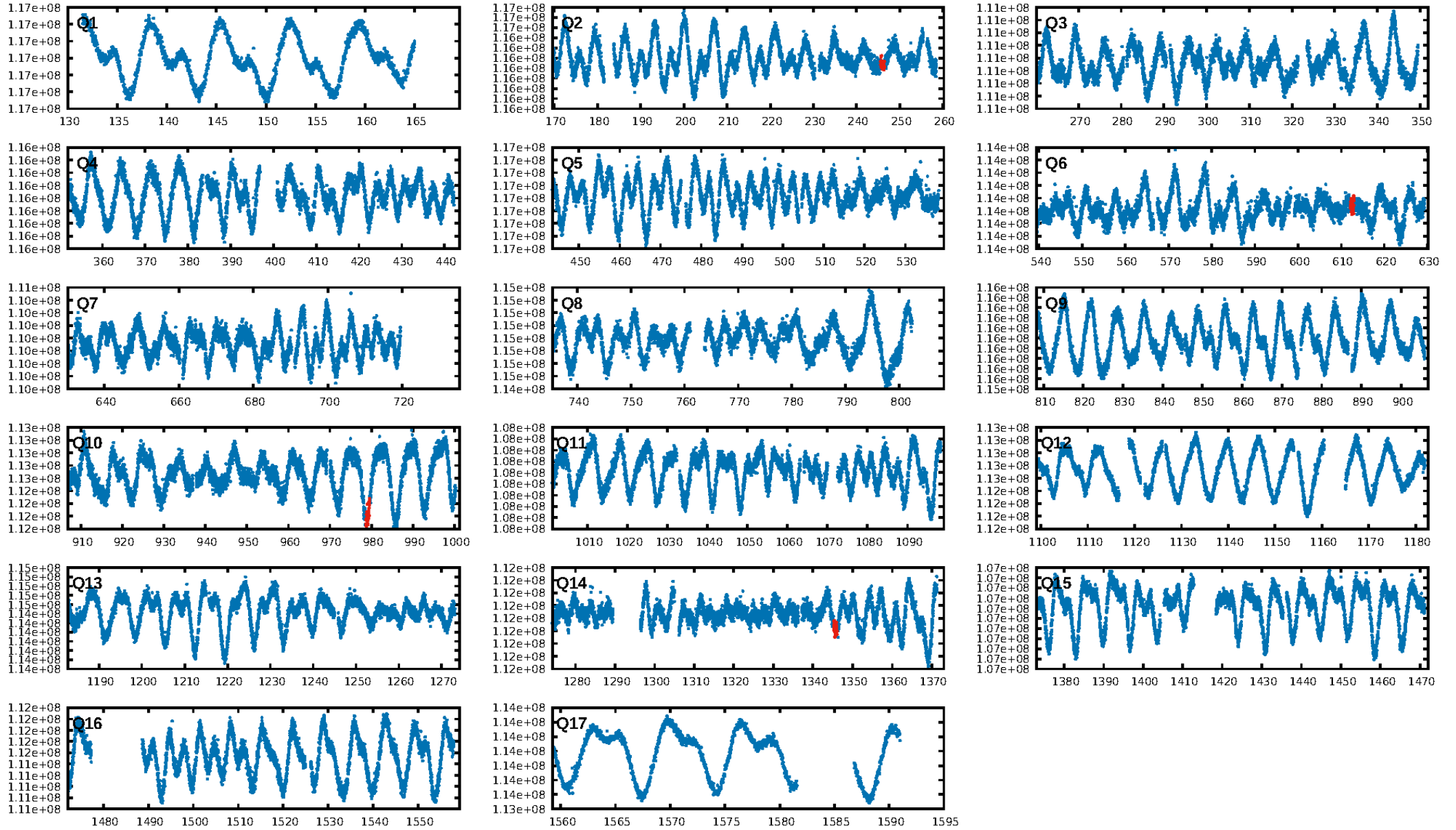
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [804.29σ]
LongPeriod-sig: 100.0% [50.36σ]
ModelChiSquare2-sig: 0.0%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 6.54e-09
RollingBand-fgt: 1.00 [4/4]
GhostDiagnostic-chr: -1.082
Centroid-sig: 0.1%
Centroid-so: 2.077 arcsec [1.88σ]
OotOffset-rm: 2.228 arcsec [0.50σ]
KicOffset-rm: 2.418 arcsec [0.55σ]
OotOffset-st: 2/0/0/0 [2]
KicOffset-st: 2/0/0/0 [2]
DiffImageQuality-fgm: 0.50 [1/2]
DiffImageOverlap-fno: 0.00 [0/3]

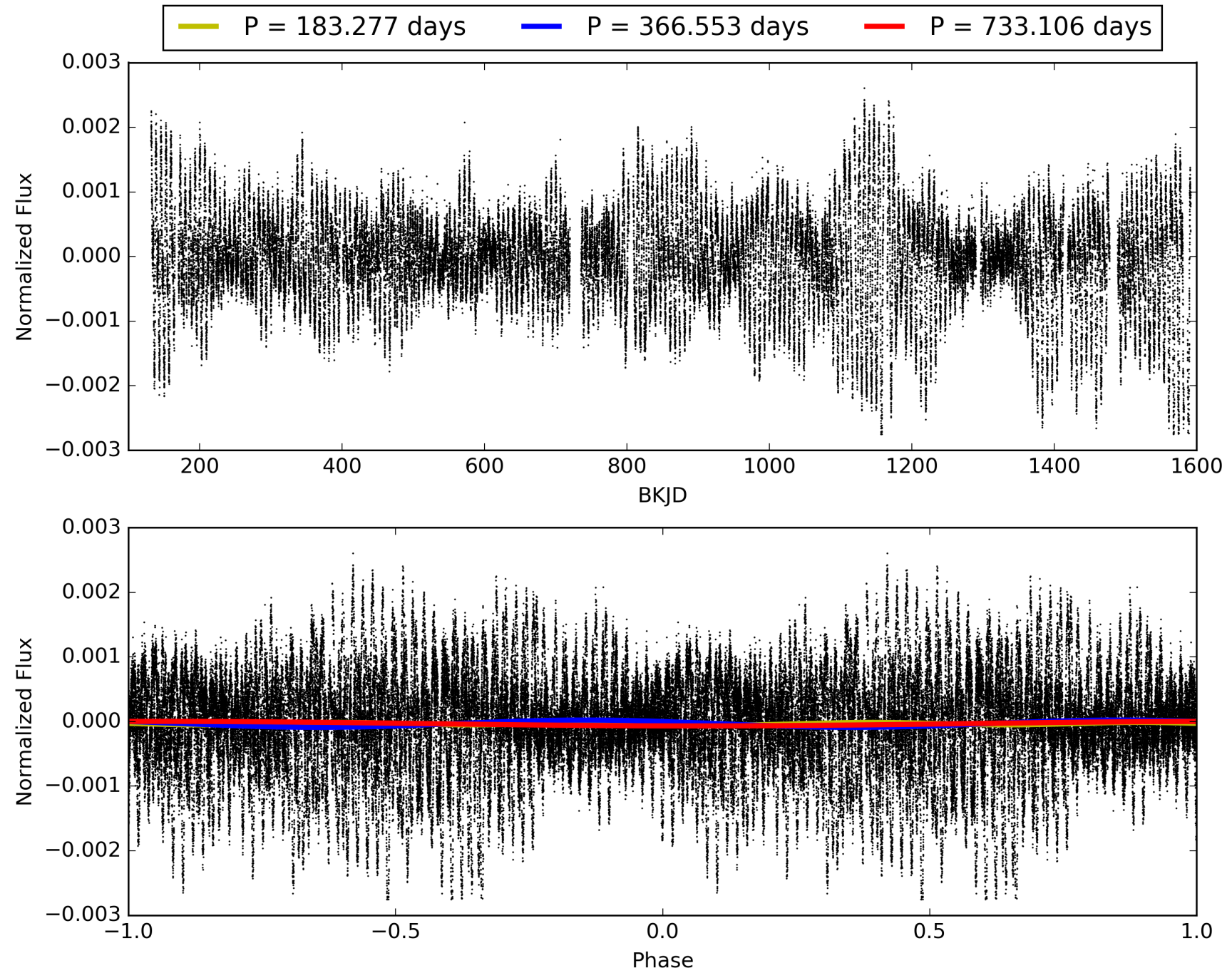
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 09:51:45 Z

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

TCE 008264635-03, PDC Light Curves

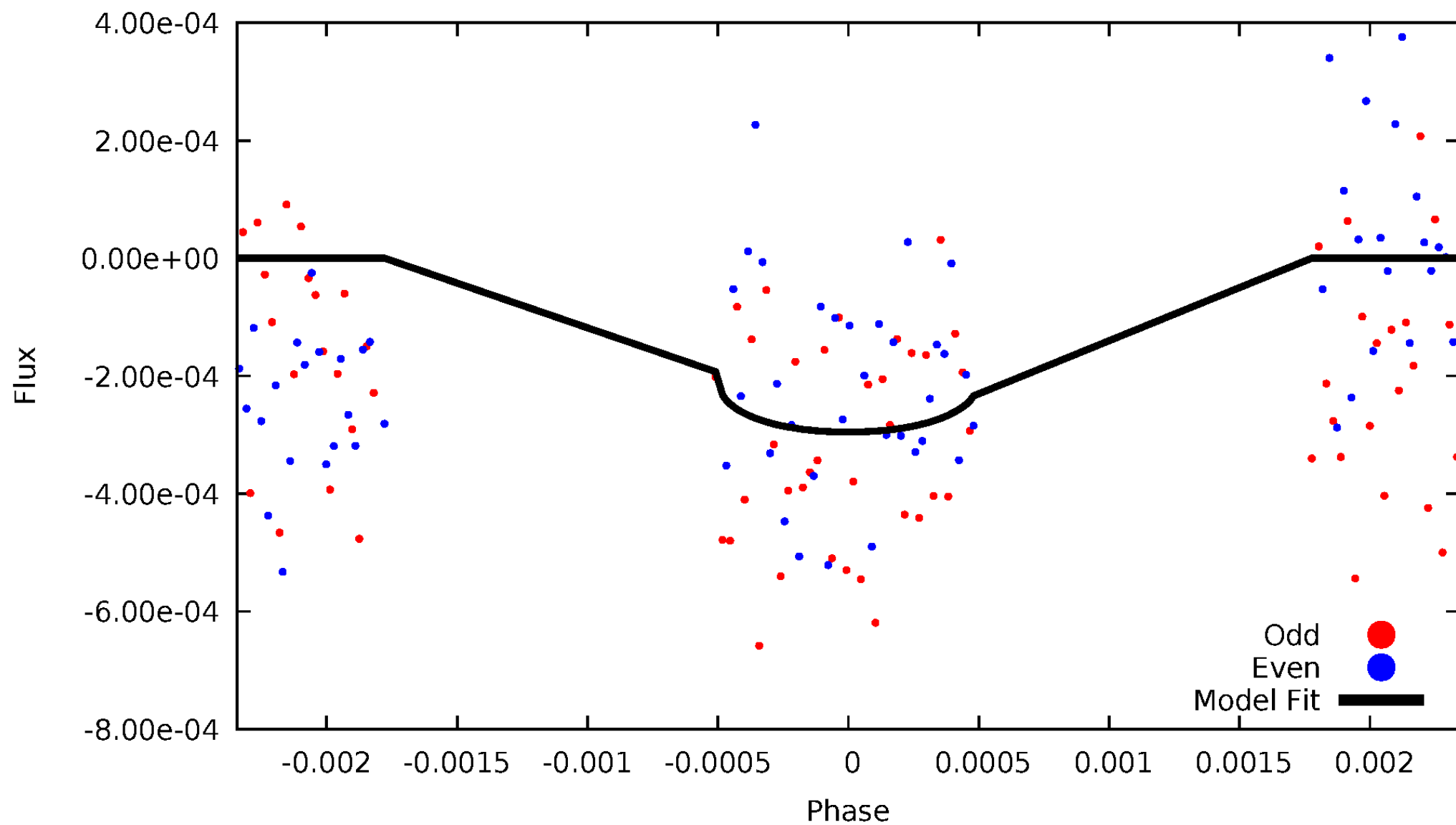


TCE 008264635-03



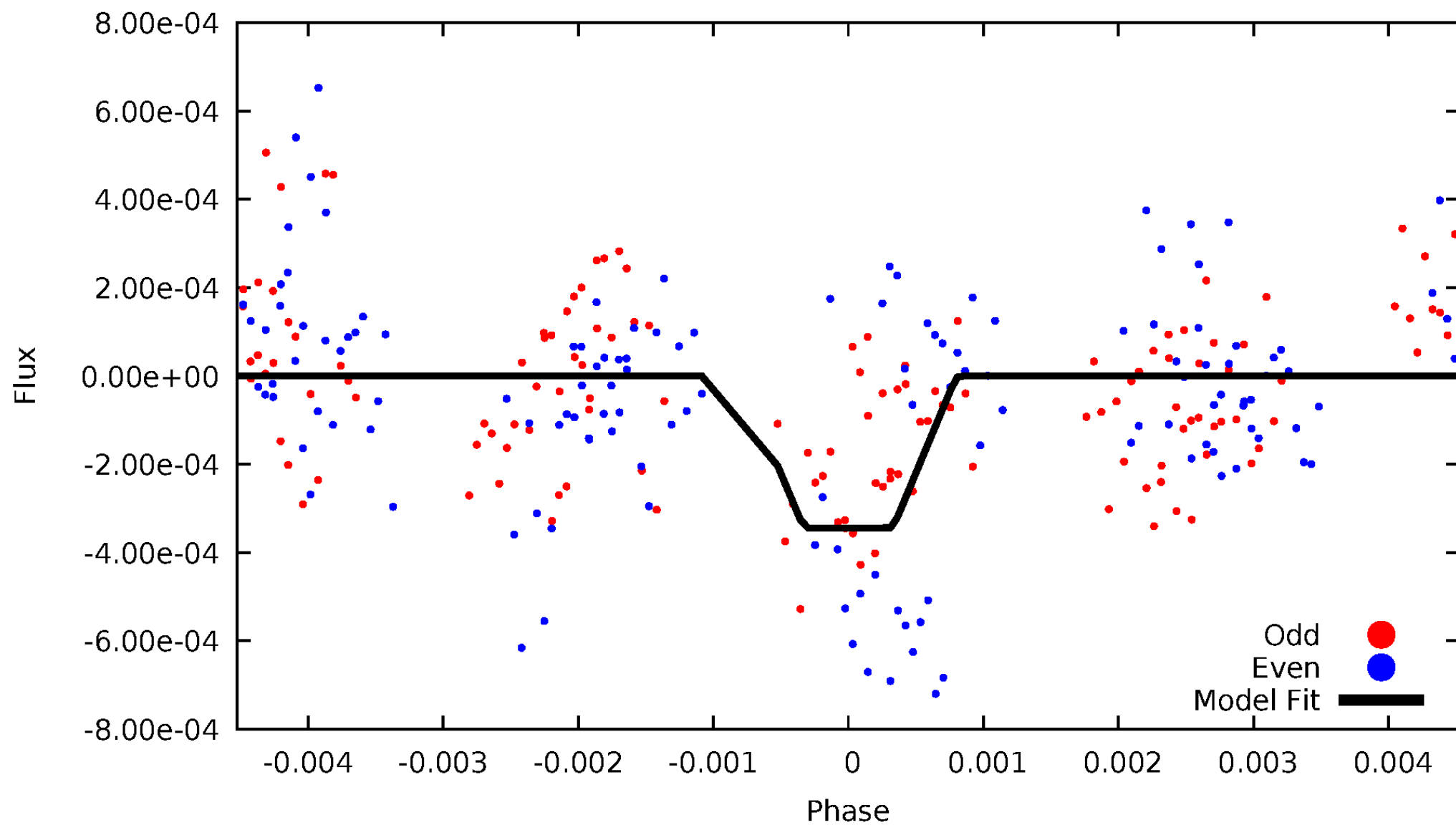
DV Odd/Even

TCE 008264635-03



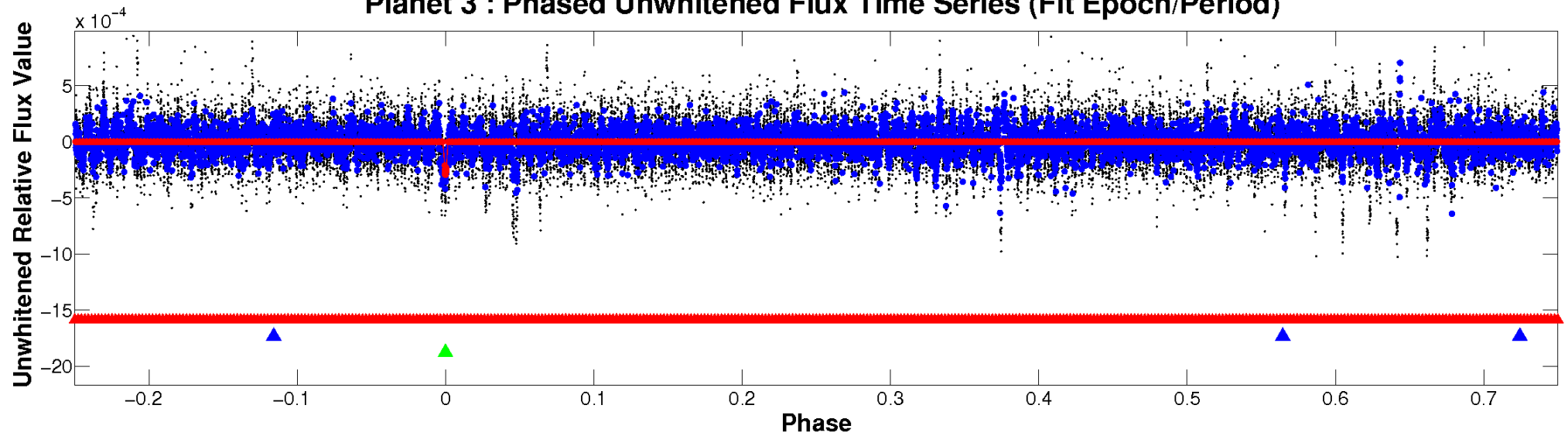
ALT Odd/Even

TCE 008264635-03

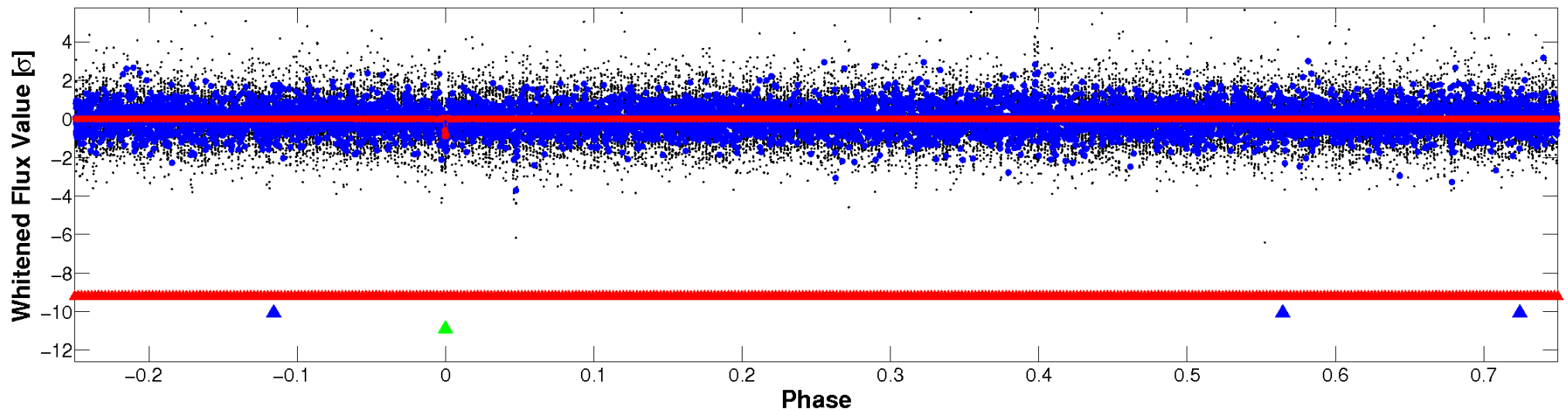


Non-Whitened Vs. Whitened Light Curve

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

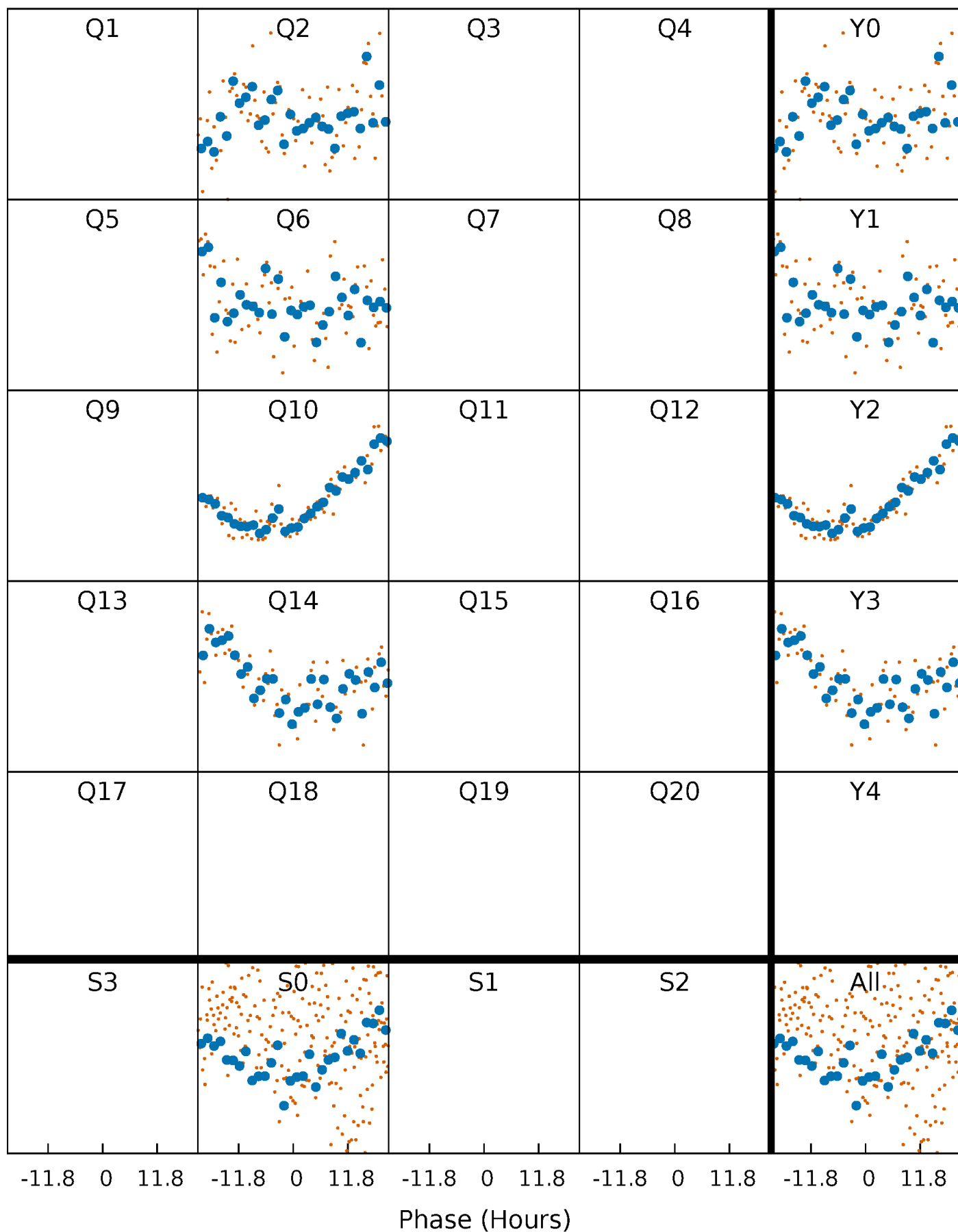


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



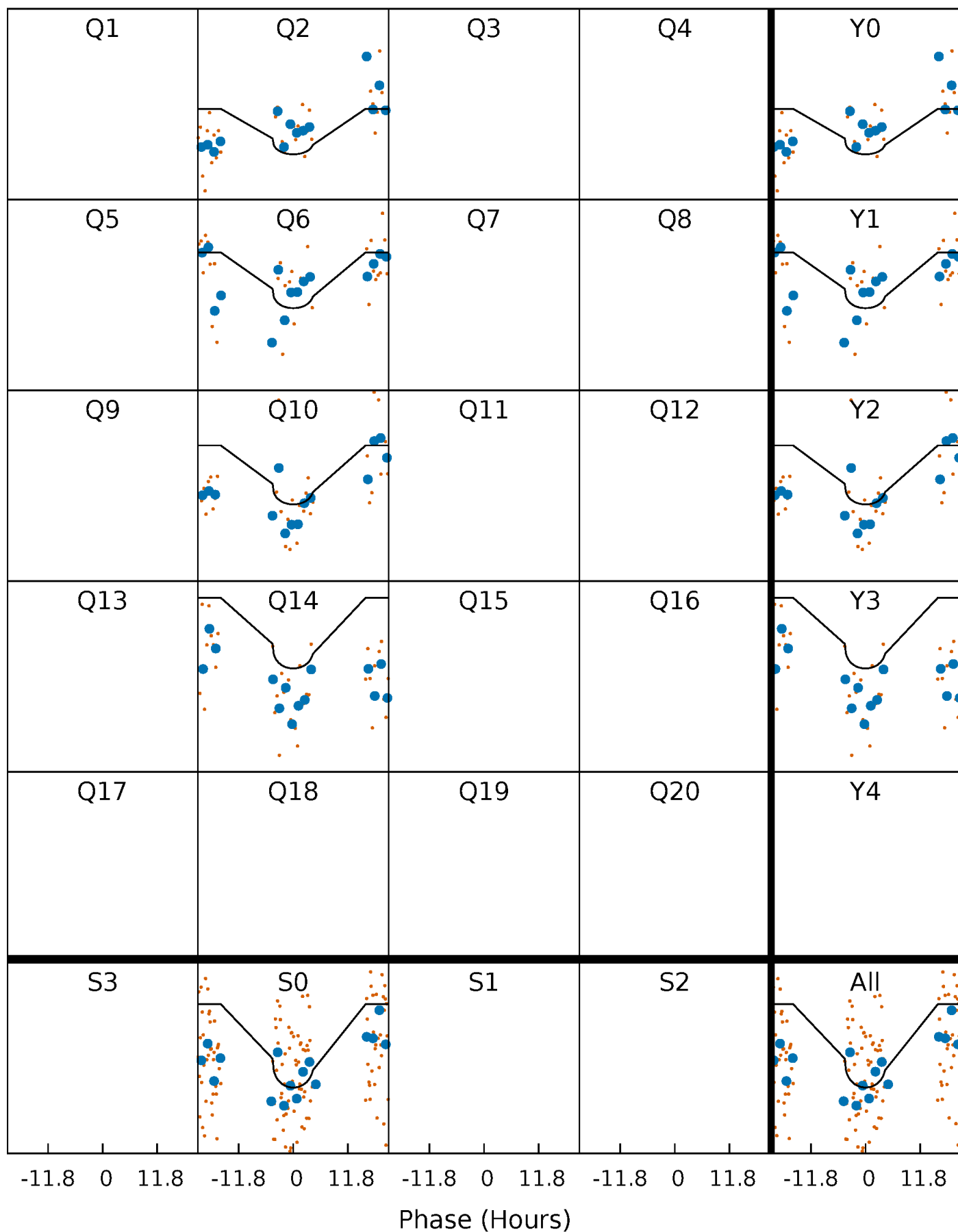
PDC Quarter-Phased Transit Curves

TCE 008264635-03 P=366.553084 Days $T_0=246.001916$ (BKJD)



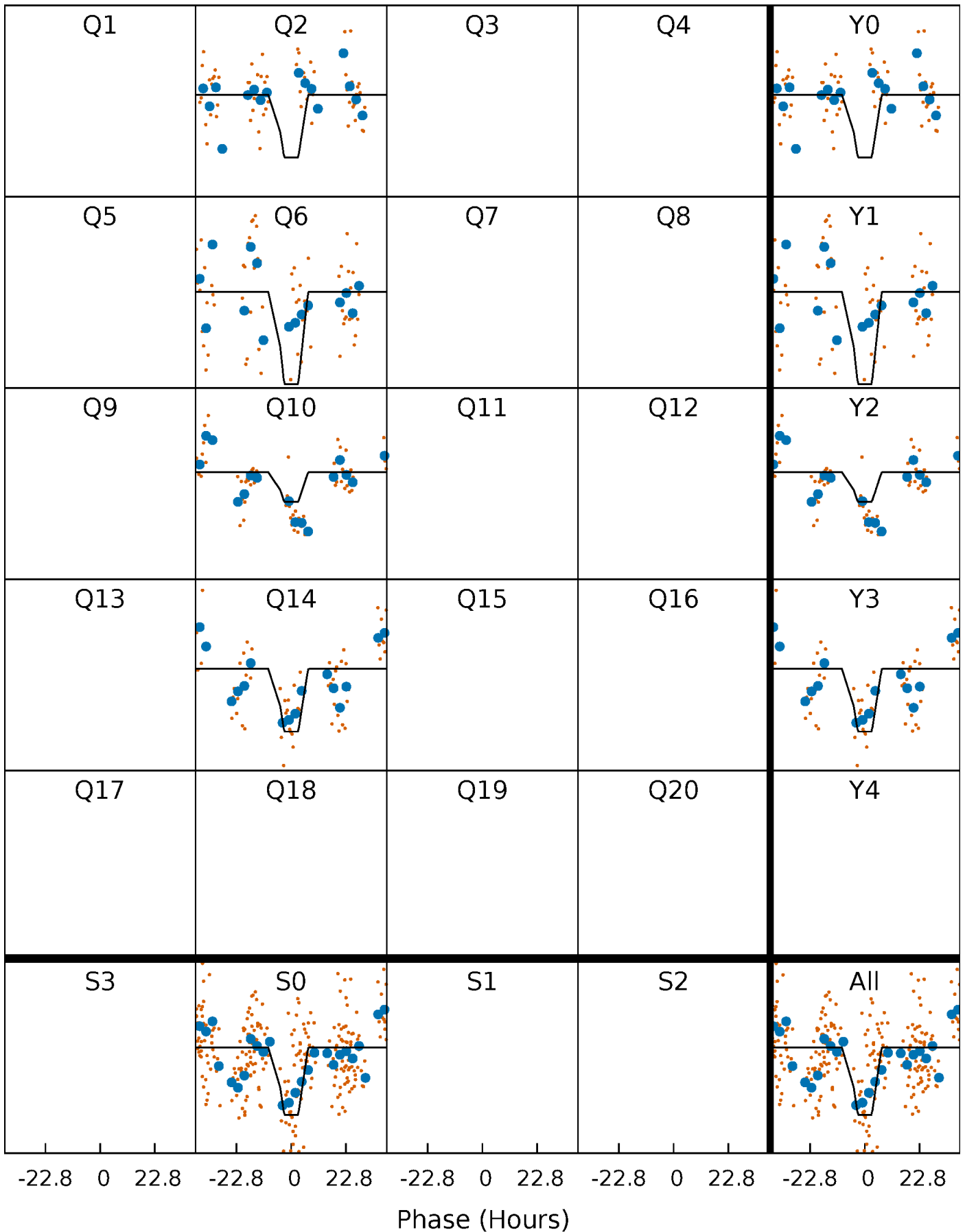
DV Quarter-Phased Transit Curves

TCE 008264635-03 $P=366.553084$ Days $T_0=246.001916$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

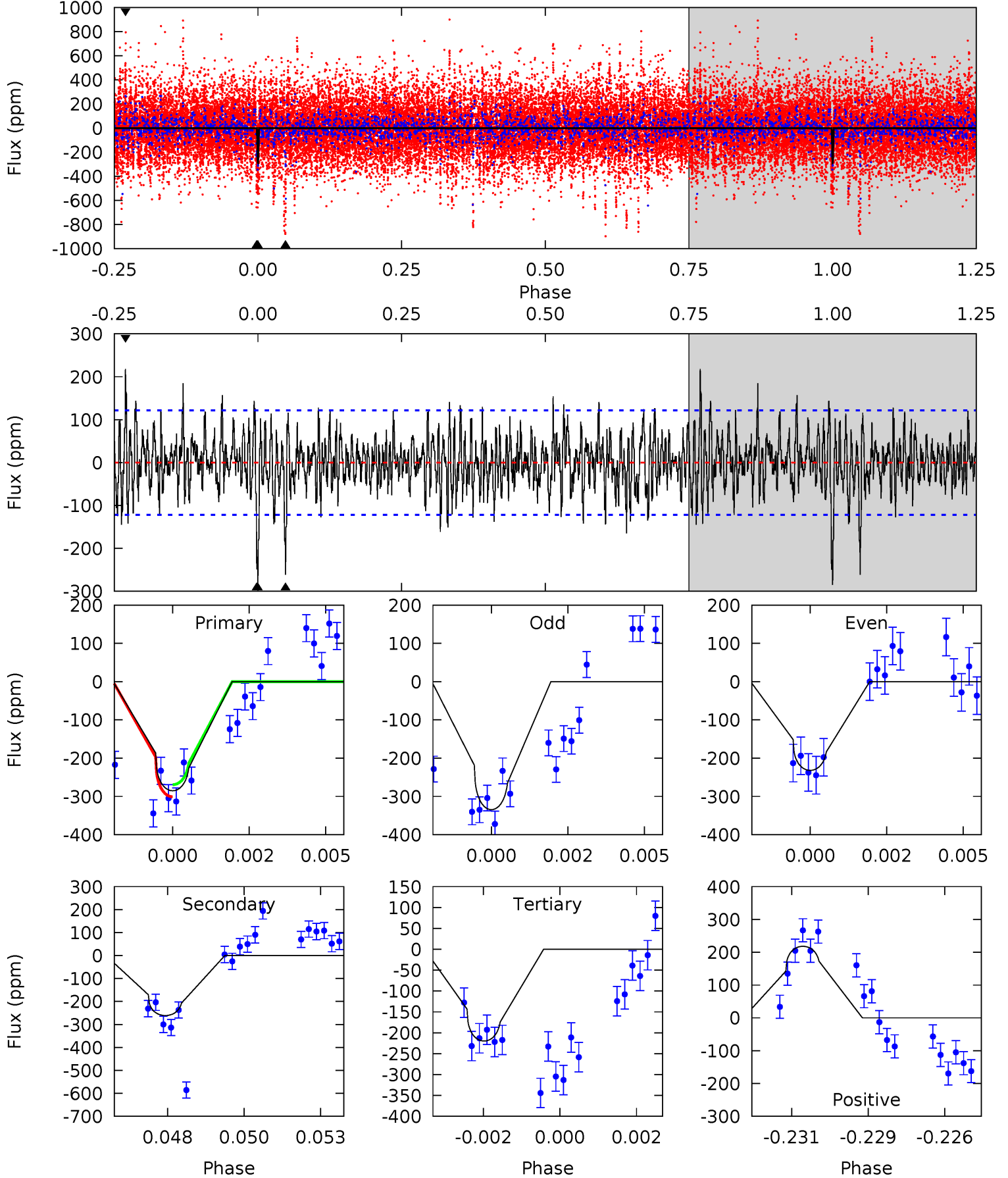
TCE 008264635-03 P=366.639367 Days $T_0=245.748129$ (BKJD)



DV Model-Shift Uniqueness Test

008264635-03, P = 366.553084 Days, E = 246.001916 Days

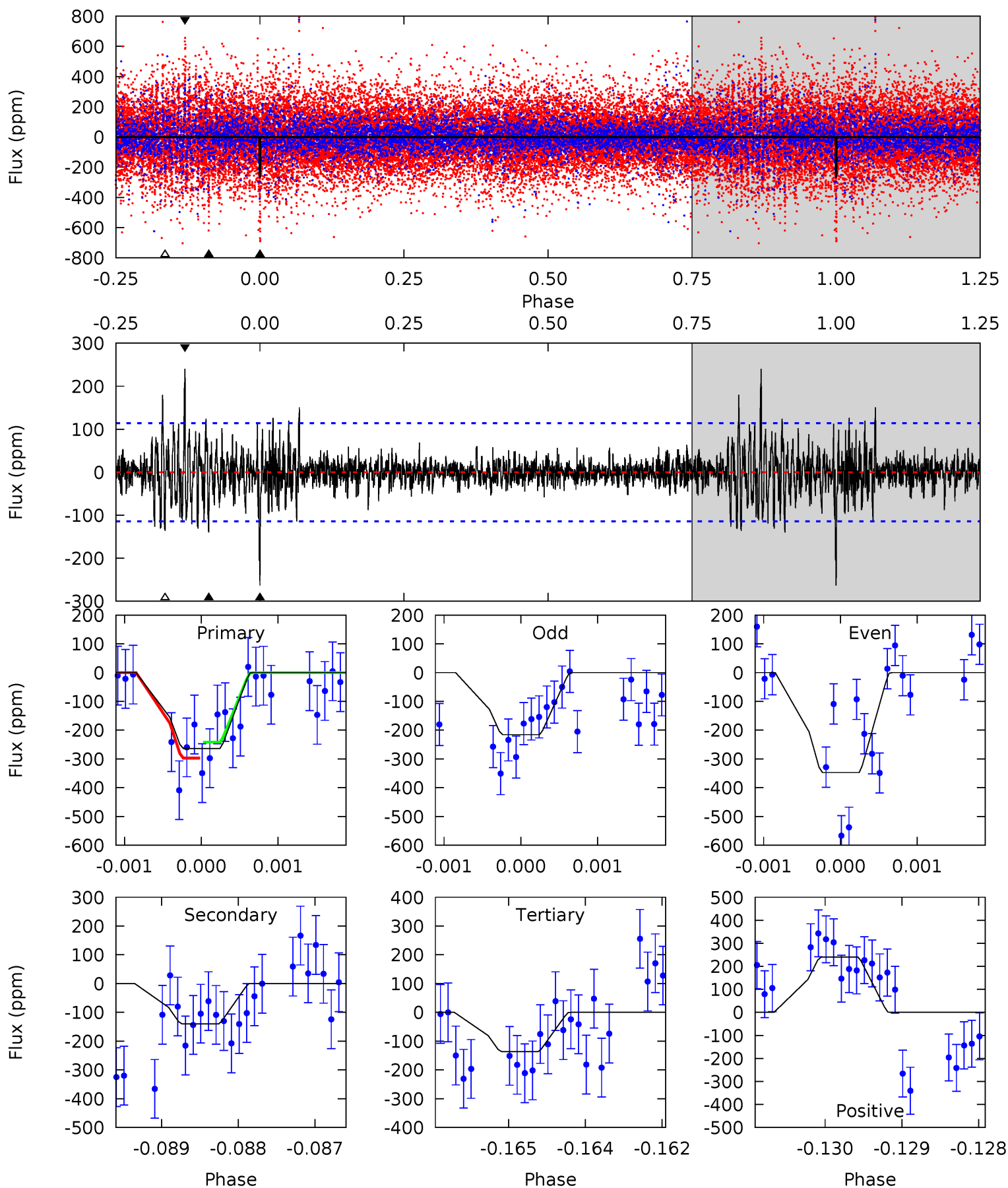
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
12.4	11.4	9.57	9.49	5.30	3.05	2.37	2.85	2.92	1.82	1.89	2.23	1.03	0.43	0.69



Alt Model-Shift Uniqueness Test

008264635-03, P = 366.639367 Days, E = 245.748129 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
12.5	6.64	6.47	11.4	5.41	3.22	1.54	6.03	1.11	0.17	-4.76	3.15	0.96	0.48	1.13



Stellar Parameters For KIC 008264635

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7672^{+237}_{-316}	$4.171^{+0.101}_{-0.188}$	$-0.040^{+0.200}_{-0.350}$	$1.730^{+0.533}_{-0.287}$	$1.615^{+0.219}_{-0.219}$	$0.440^{+0.219}_{-0.235}$
	+3%/-4%	+2%/-5%	+500%/-875%	+31%/-17%	+14%/-14%	+50%/-53%
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 008264635-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-261 ± 23	$3.76^{+2.51}_{-2.14}$	579^{+44}_{-34}	6815^{+5314}_{-1444}	13692^{+60681}_{-8733}
Alt.	-140 ± 21	$3.88^{+2.53}_{-2.29}$	579^{+40}_{-37}	5714^{+3878}_{-1101}	6933^{+35812}_{-4391}

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

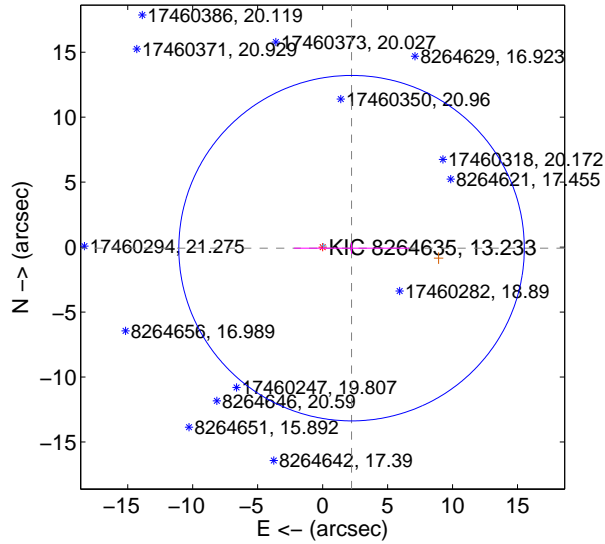
Supplemental centroid analysis for 008264635-03. Kepler magnitude: 13.23. Transit SNR 6.96

There are 1 quarters with good PRF difference image offsets

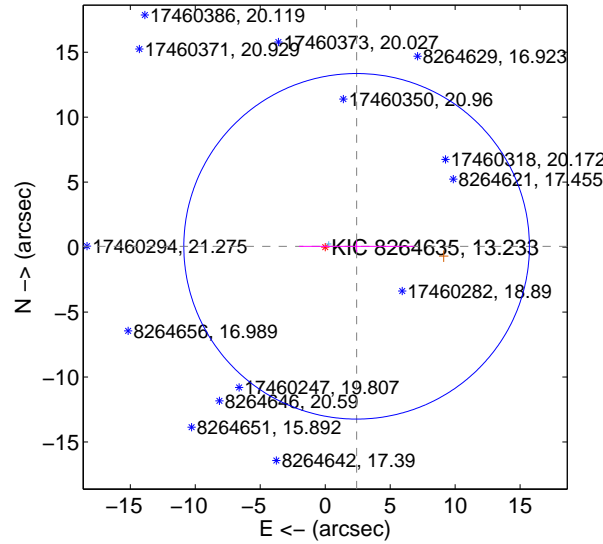
The direct PRF centroid is offset from the target star catalog position by about 0.24 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	2.228 ± 4.431	0.50	-2.227 ± 4.434	-0.082 ± 0.440
PRF-fit source offset from KIC position	2.418 ± 4.433	0.55	-2.417 ± 4.434	0.061 ± 0.435
photometric centroid source offset	2.08 ± 1.10	1.88	-0.99 ± 1.31	-1.83 ± 1.03

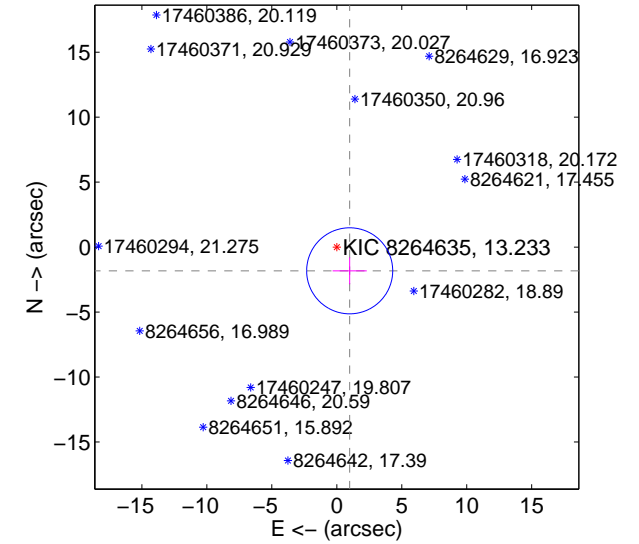
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

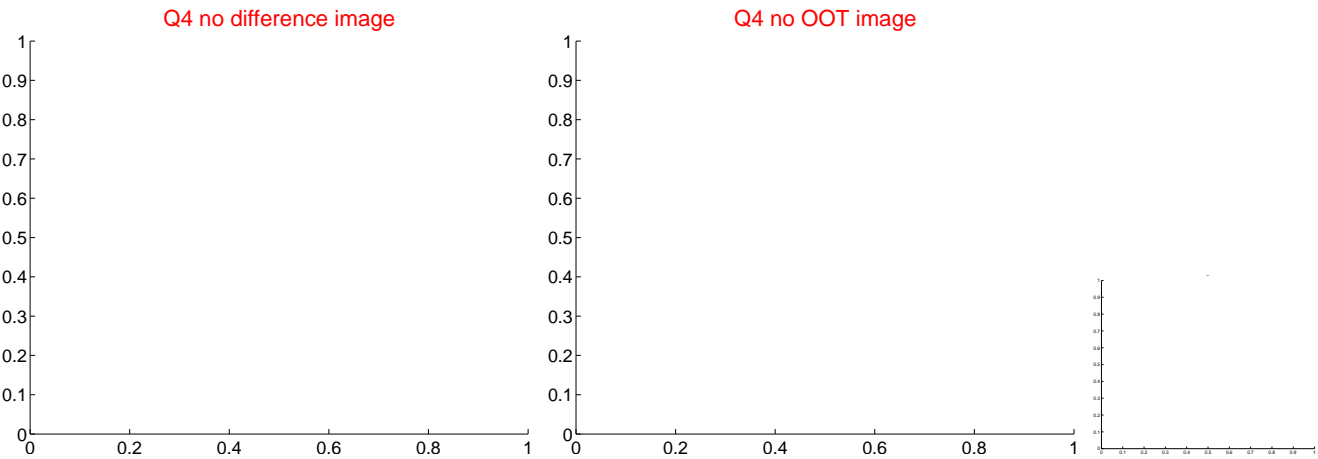
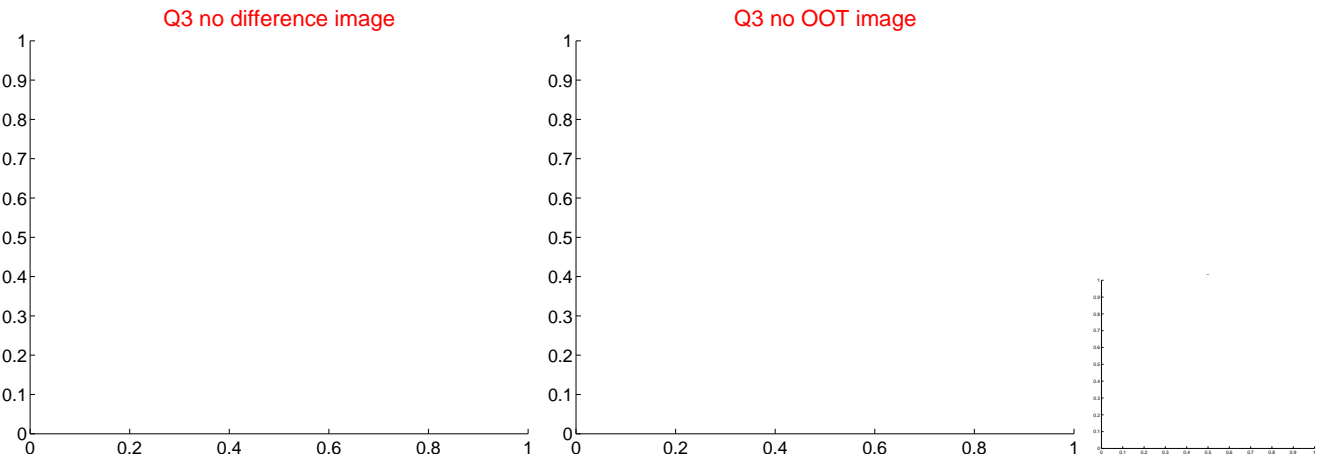
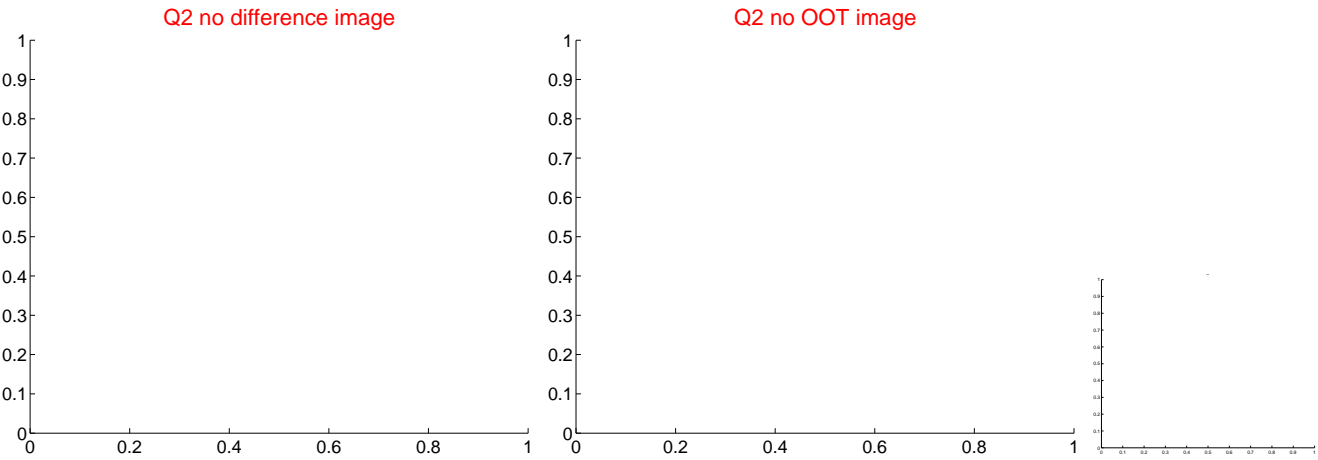
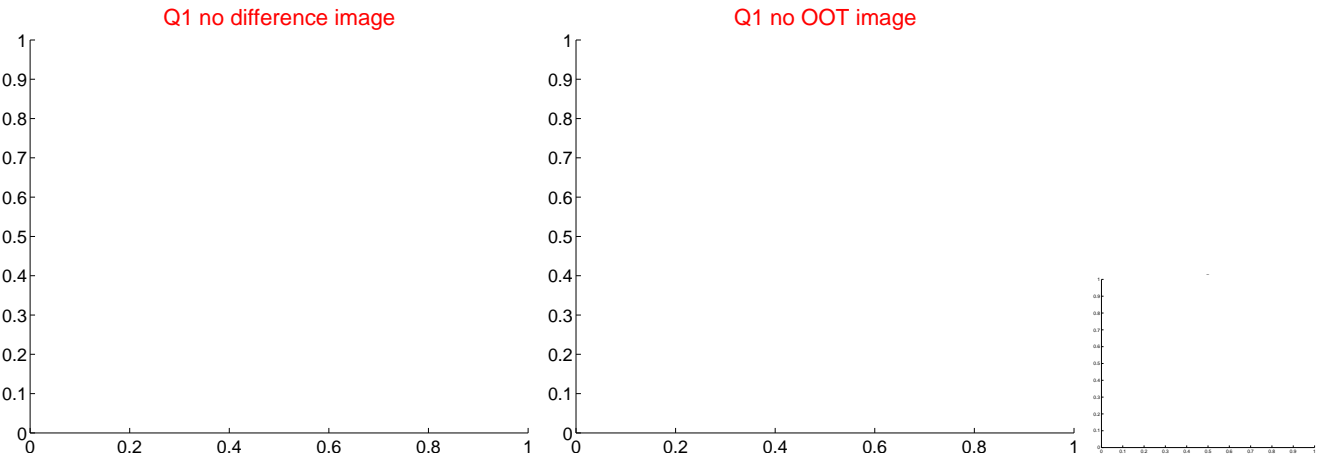


offset from photometric centroids



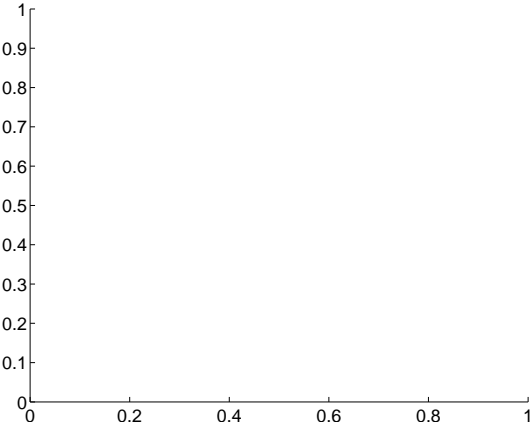
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

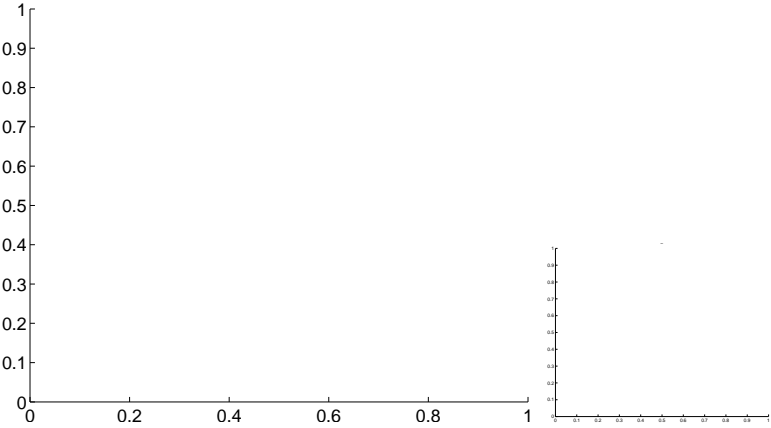


white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

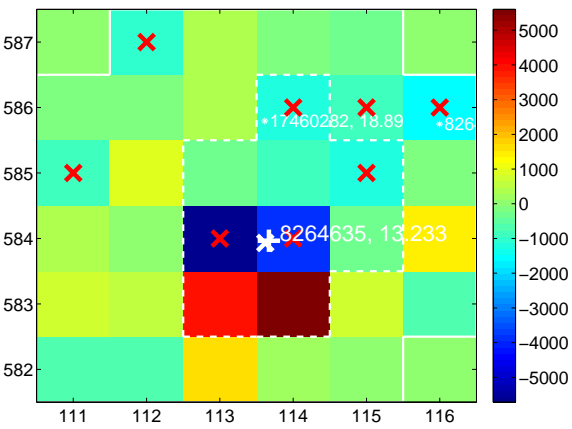
Q5 no difference image



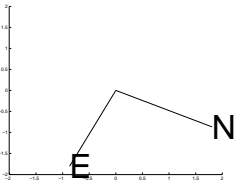
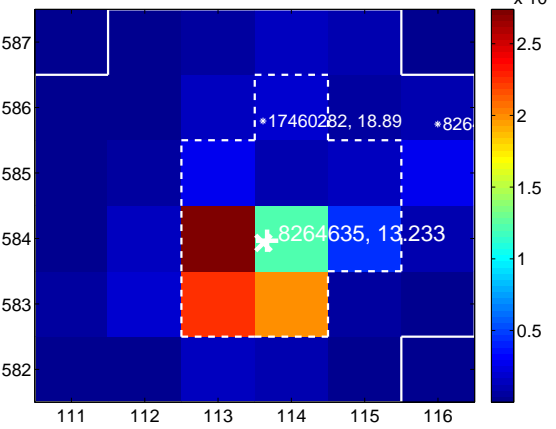
Q5 no OOT image



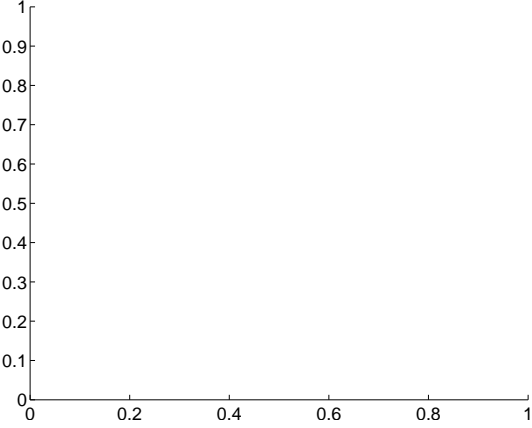
Q6 difference image. Poor Quality



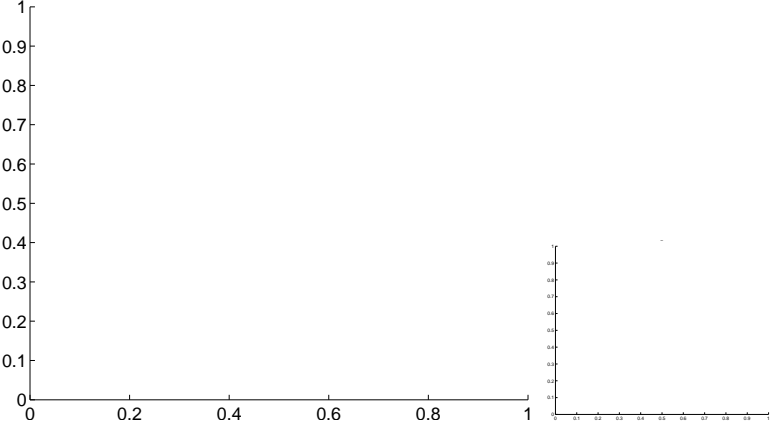
Q6 OOT image



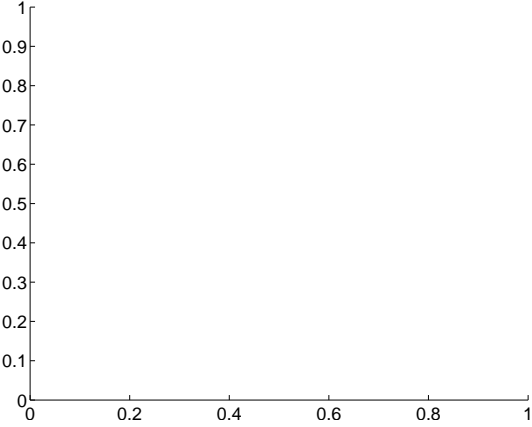
Q7 no difference image



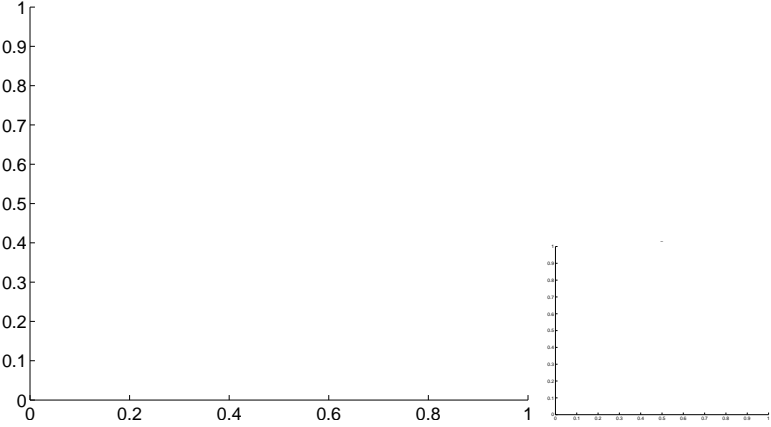
Q7 no OOT image



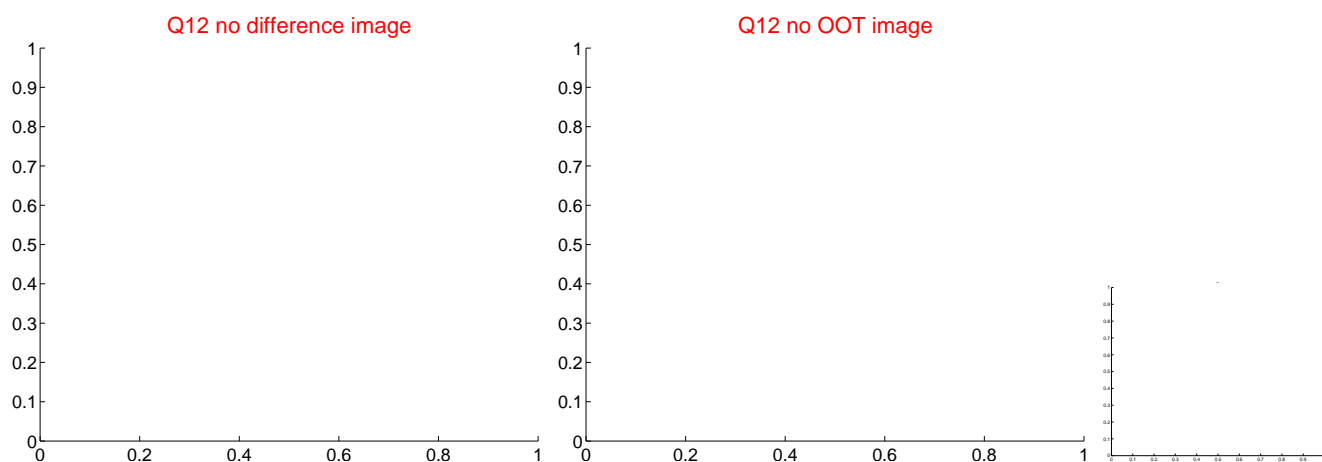
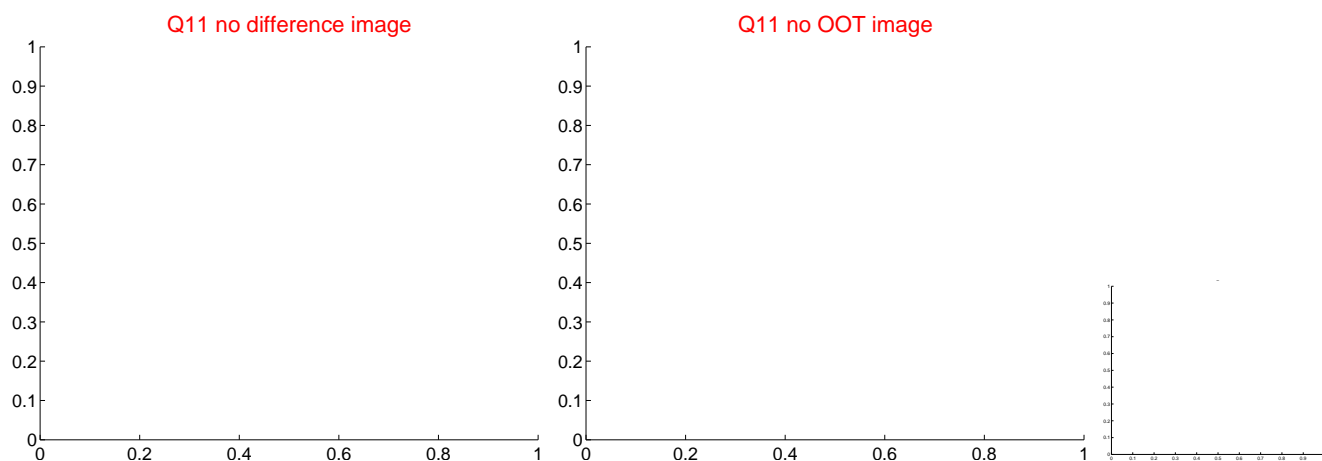
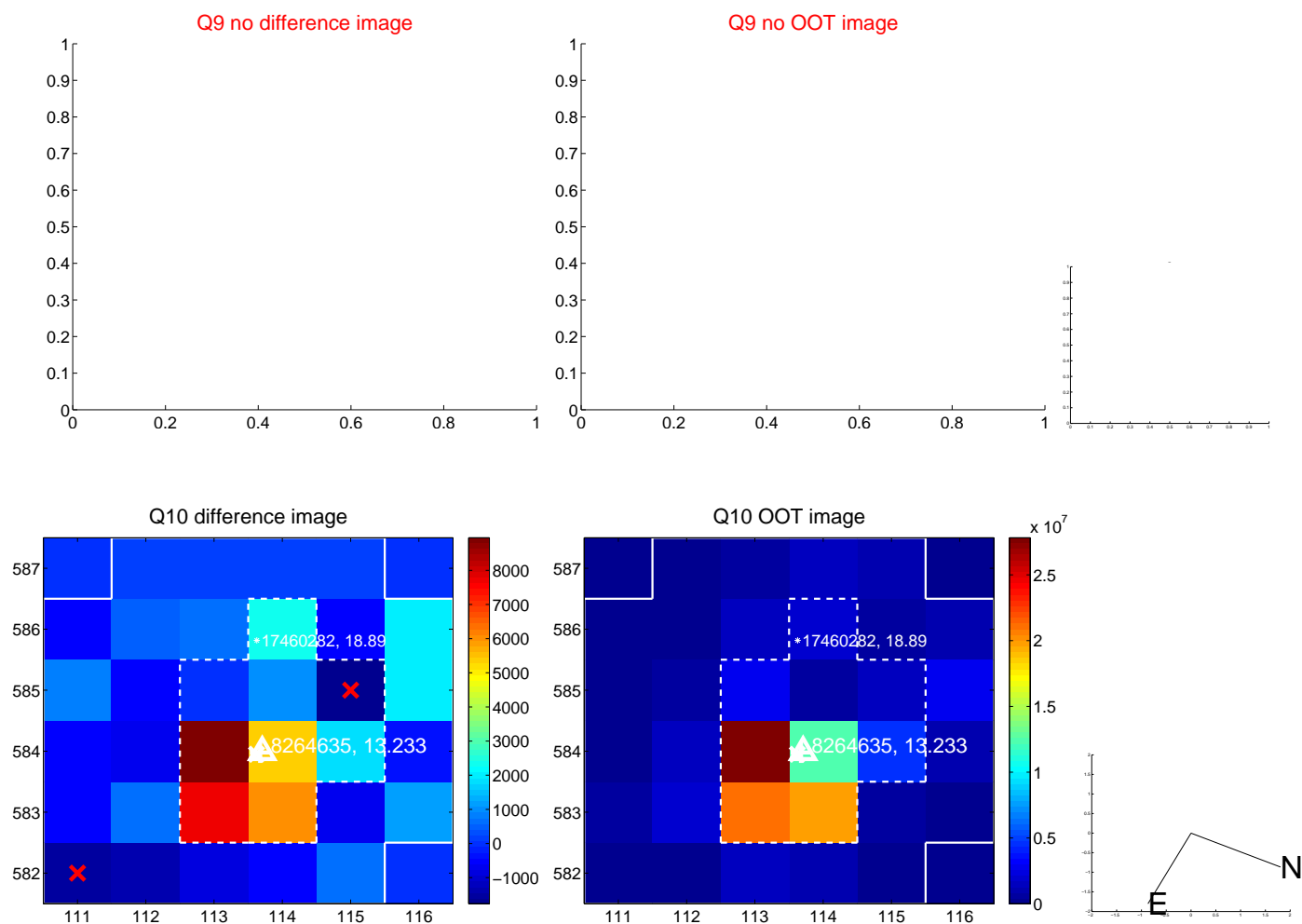
Q8 no difference image



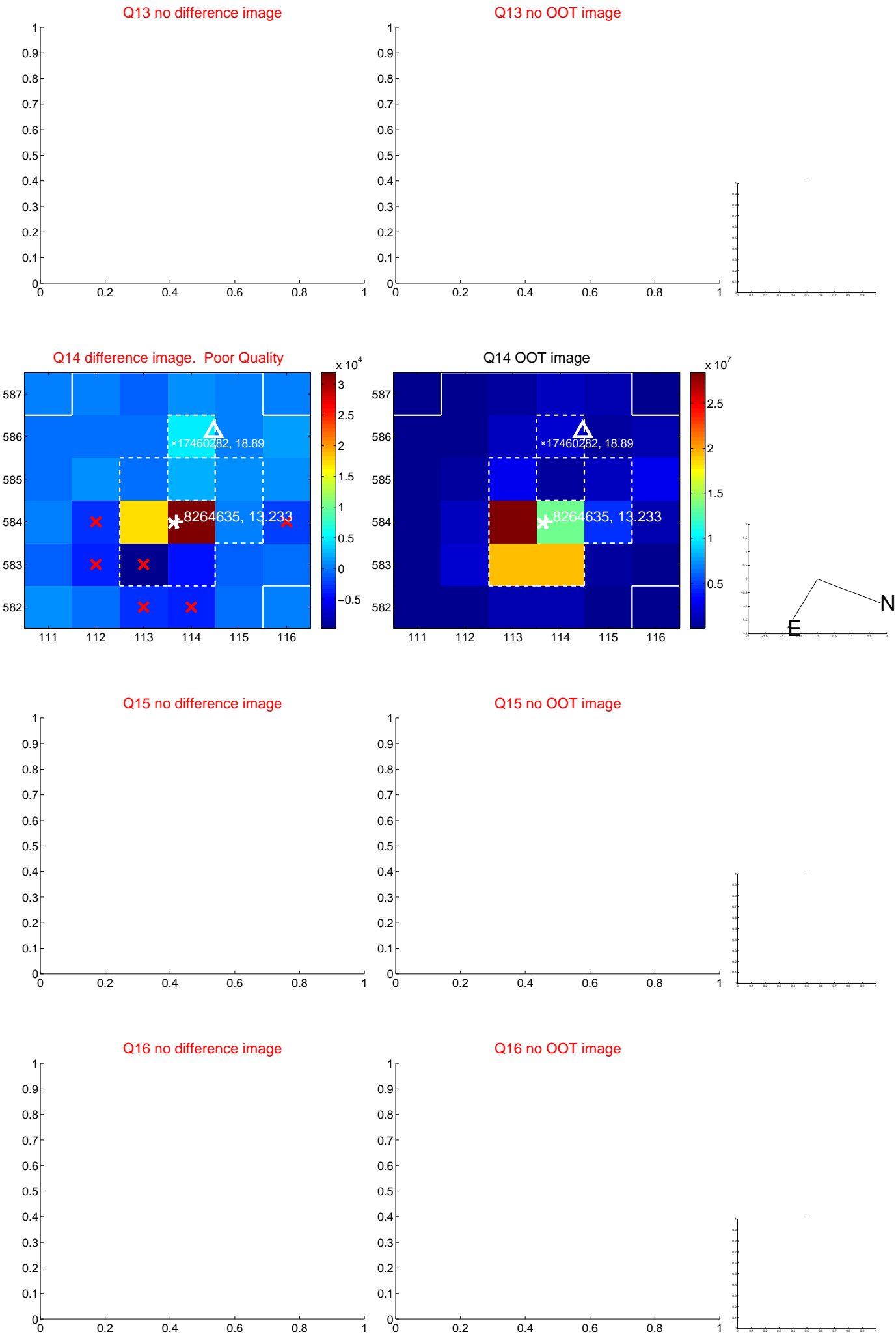
Q8 no OOT image



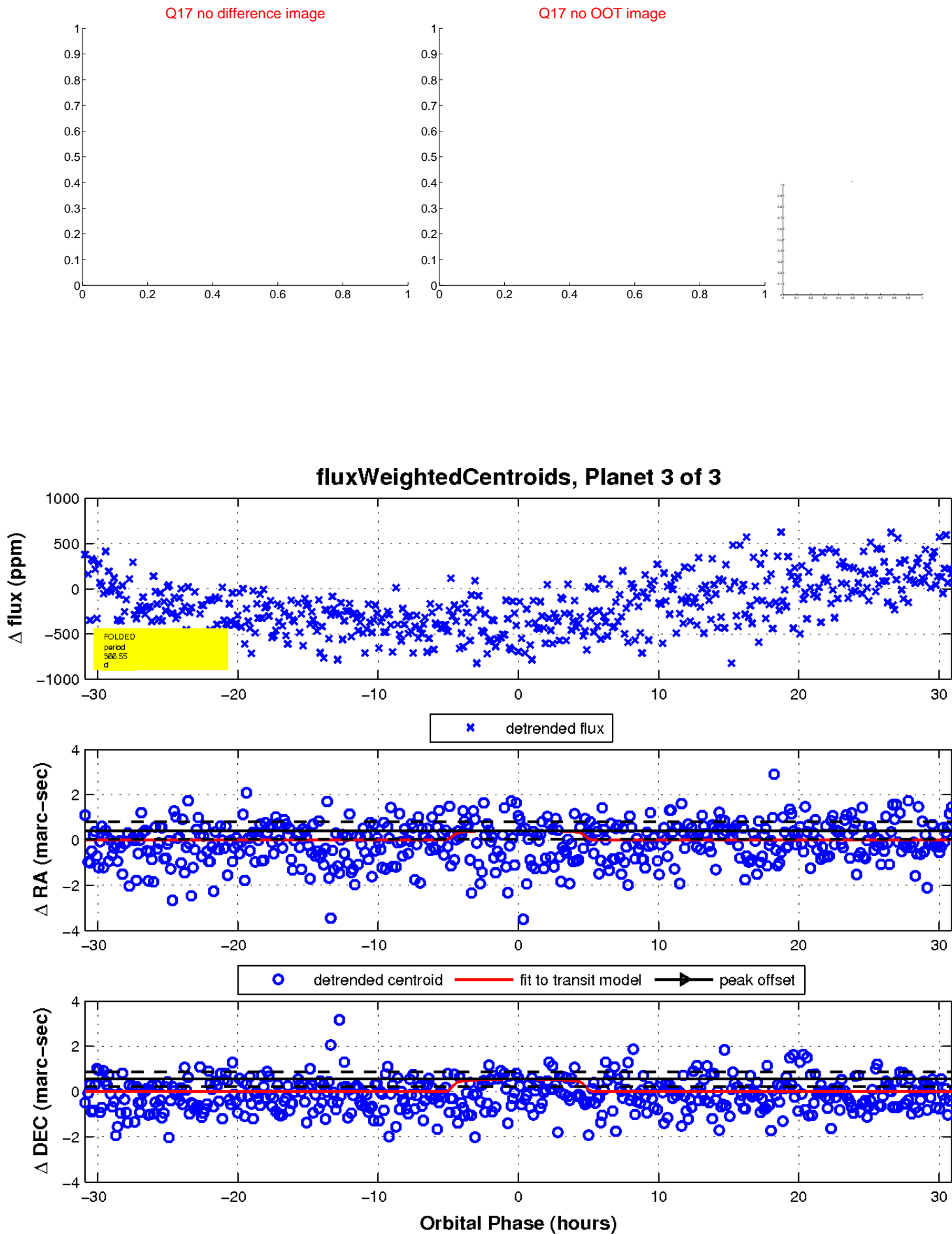
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value



white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



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



UKIRT Image

Declination

