

KIC 008292840

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})
008292840-01	OBS	0260.02	100.282833	144.762131	347.0	10.920	51.9	50.9	1.30	6214	2.56	12.10
008292840-02	OBS	0260.01	10.495668	141.305619	112.4	4.977	50.4	54.4	1.30	6214	1.61	245.28
008292840-03	OBS	0260.03	21.869645	140.295137	118.4	6.069	37.5	40.3	1.30	6214	1.79	92.16

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008292840-01	OBS	PC	1.00	0	0	0	0	CENT_SATURATED
008292840-02	OBS	PC	1.00	0	0	0	0	CENT_SATURATED
008292840-03	OBS	PC	1.00	0	0	0	0	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.

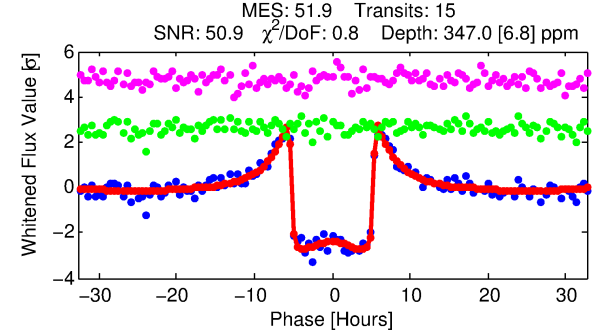
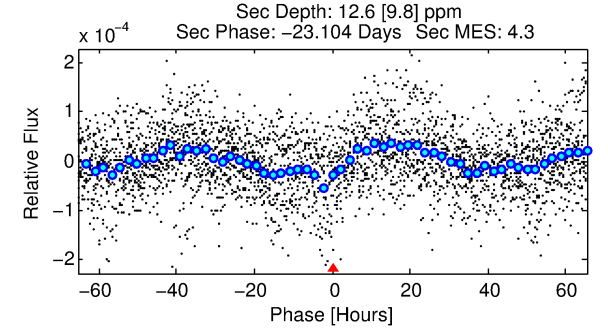
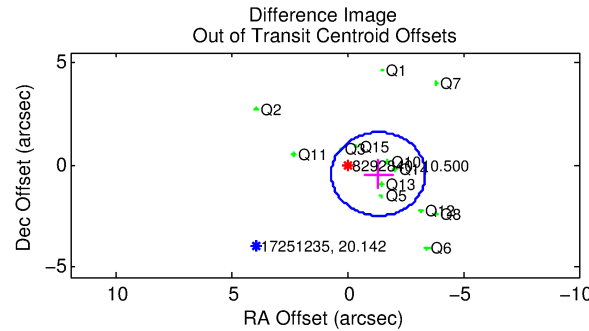
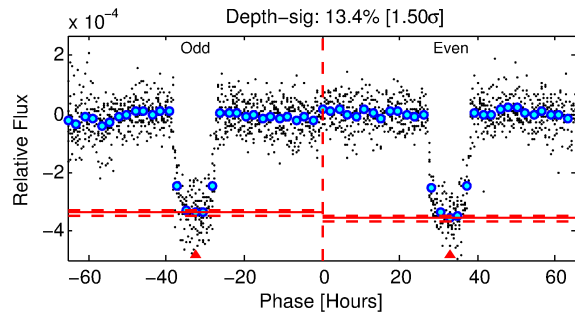
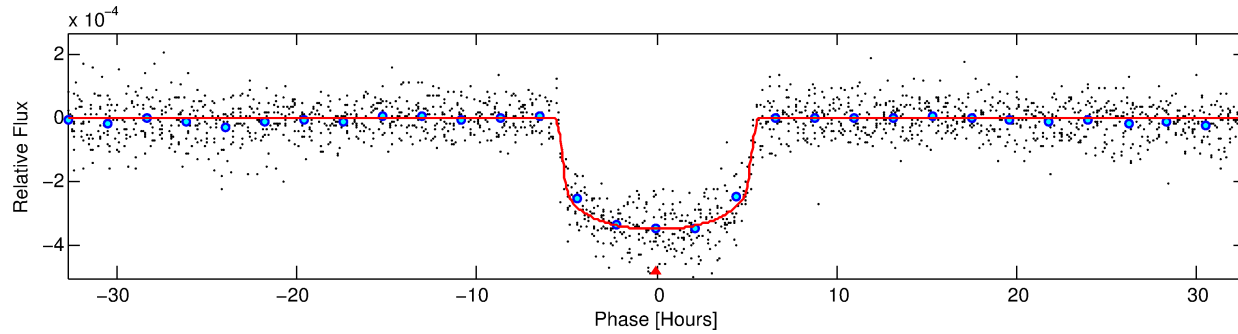
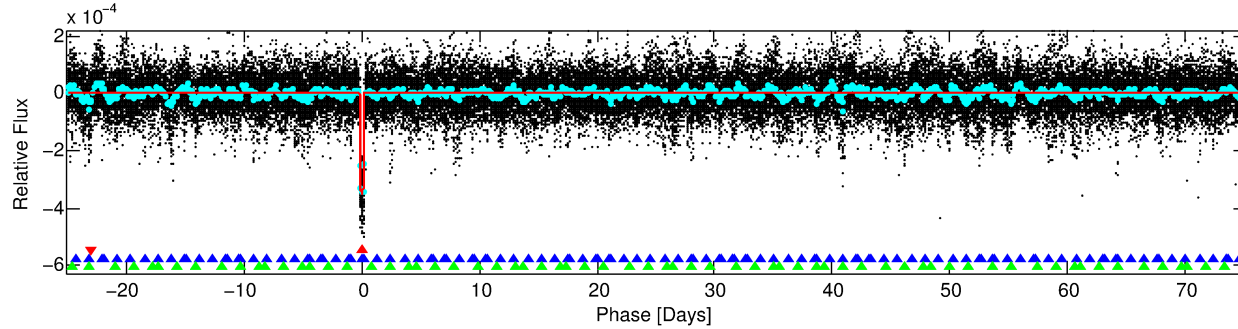
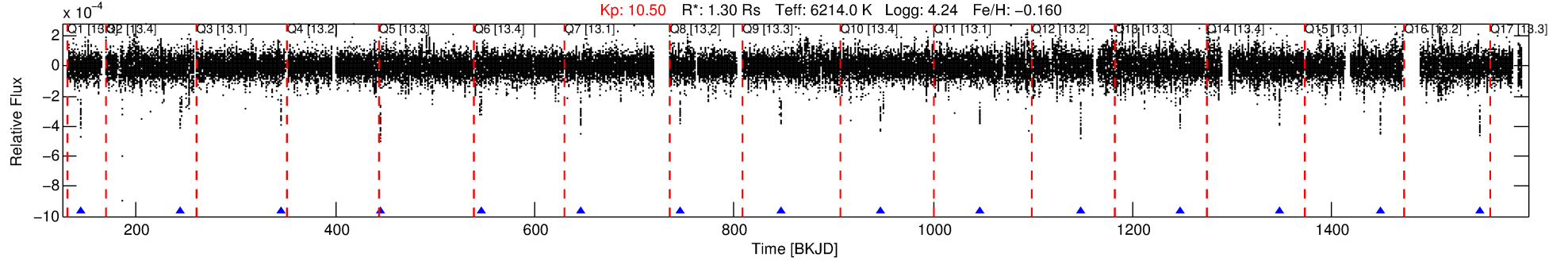
Ephemeris Match Information For 008292840-01

No Significant Match Found

DV One-Page Summary

KIC: 8292840 Candidate: 1 of 3 Period: 100.283 d
KOI: K00260.02 Name: Kepler-126d Corr: 0.991

Kp: 10.50 R*: 1.30 Rs Teff: 6214.0 K Logg: 4.24 Fe/H: -0.160



DV Fit Results:

Period = 100.28283 [0.00019] d
Epoch = 144.7621 [0.0016] BKJD
Rp/R* = 0.0181 [0.0008]
a/R* = 53.68 [11.61]
b = 0.67 [0.18]
Seff = 12.10 [1.17]
Teq = 476 [11] K
Rp = 2.56 [0.19] Re
a = 0.4310 [0.0197] AU
Ag = 195.99 [154.40] [1.26σ]
Teffp = 2751 [542] K [4.19σ]

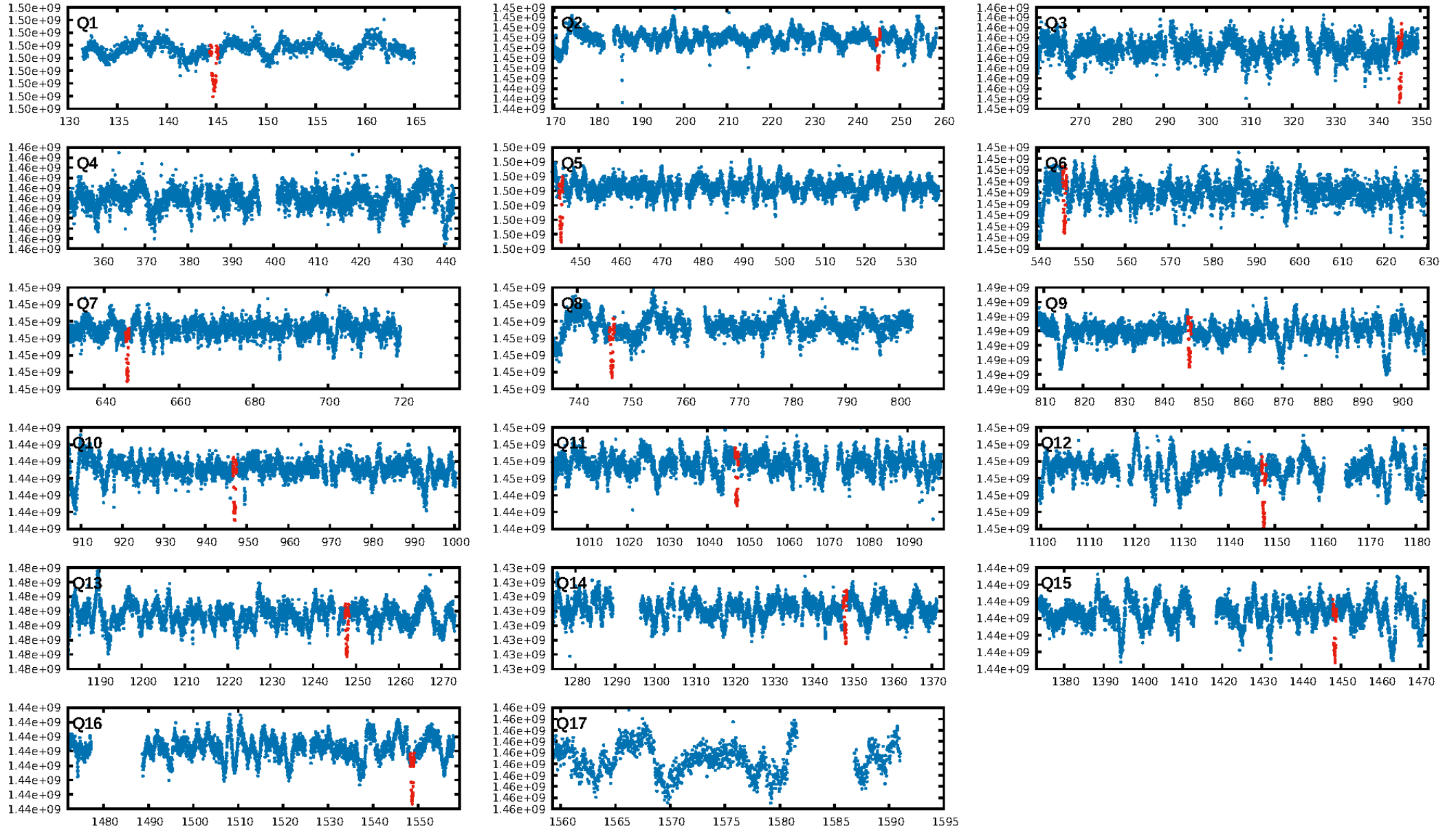
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [150.64σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 72.3%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 0.00e+00
RollingBand-fgt: 1.00 [14/14]
GhostDiagnostic-chr: 12.01
Centroid-sig: 25.0%
Centroid-so: 0.201 arcsec [1.16σ]
OotOffset-rm: 1.398 arcsec [2.06σ]
KicOffset-rm: 1.483 arcsec [2.37σ]
OotOffset-st: 4/4/2/3 [13]
KicOffset-st: 4/4/2/3 [13]
DiffImageQuality-fgm: 0.54 [7/13]
DiffImageOverlap-fno: 0.85 [11/13]

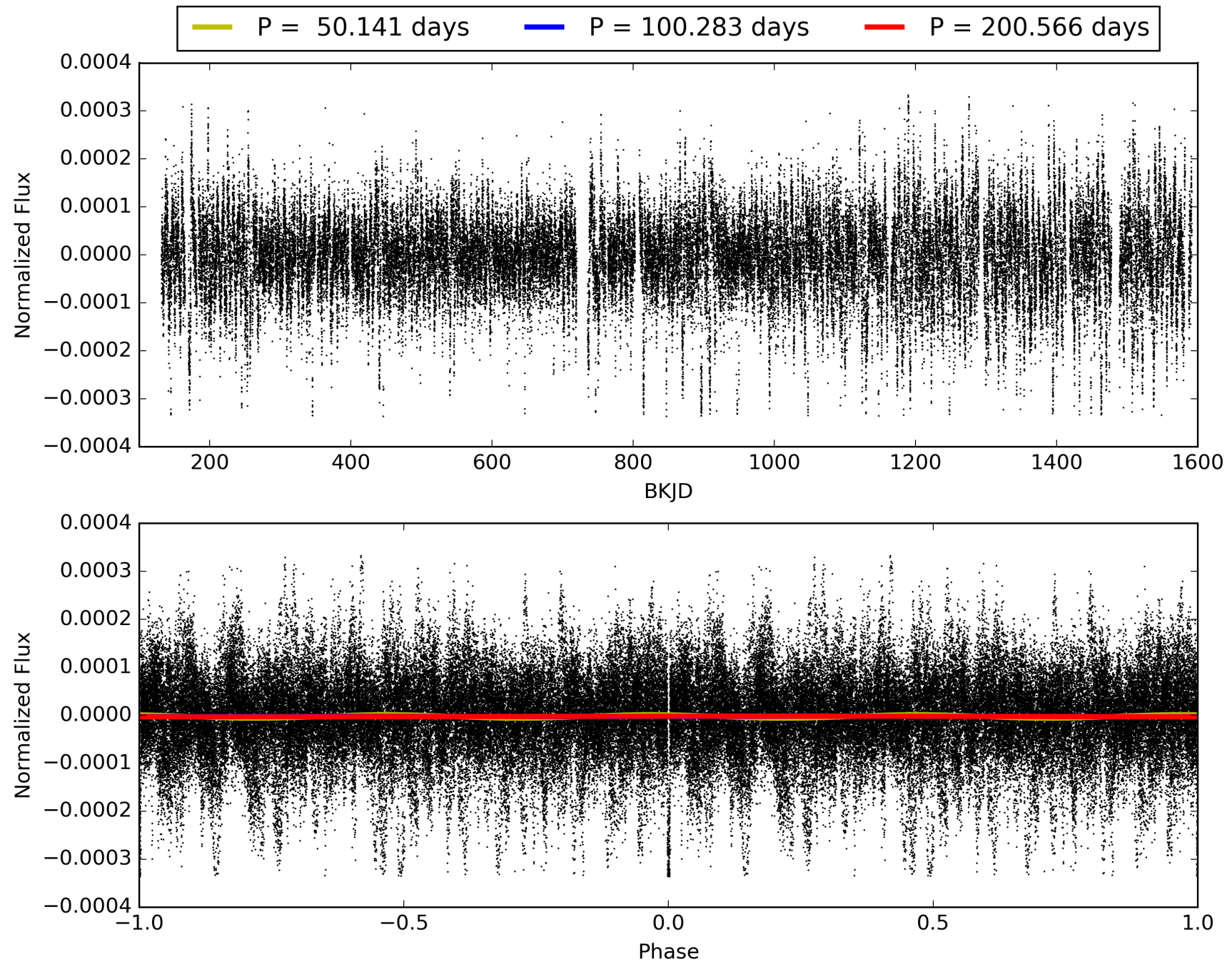
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 00:44:11 Z

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

TCE 008292840-01, PDC Light Curves

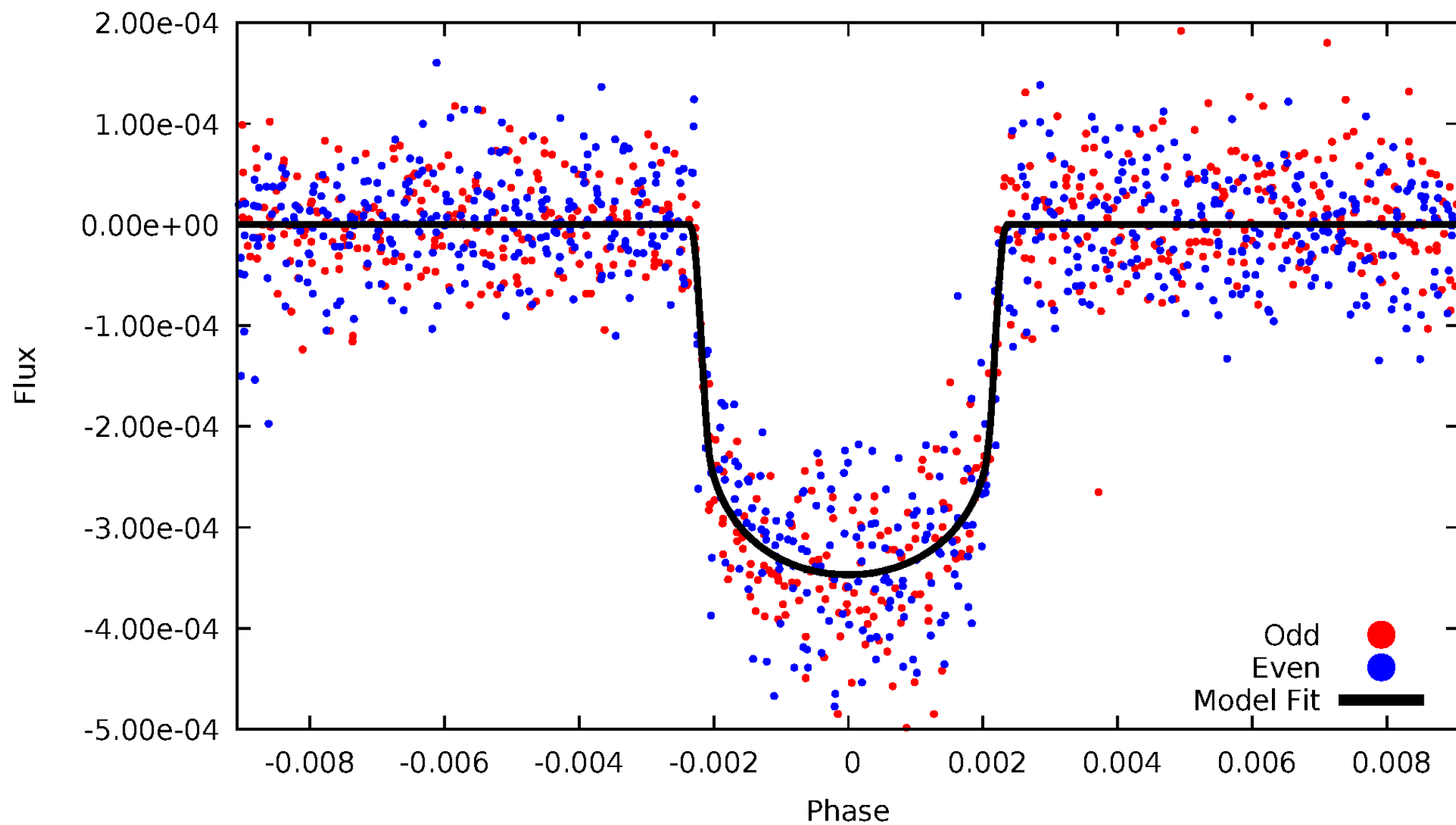


TCE 008292840-01



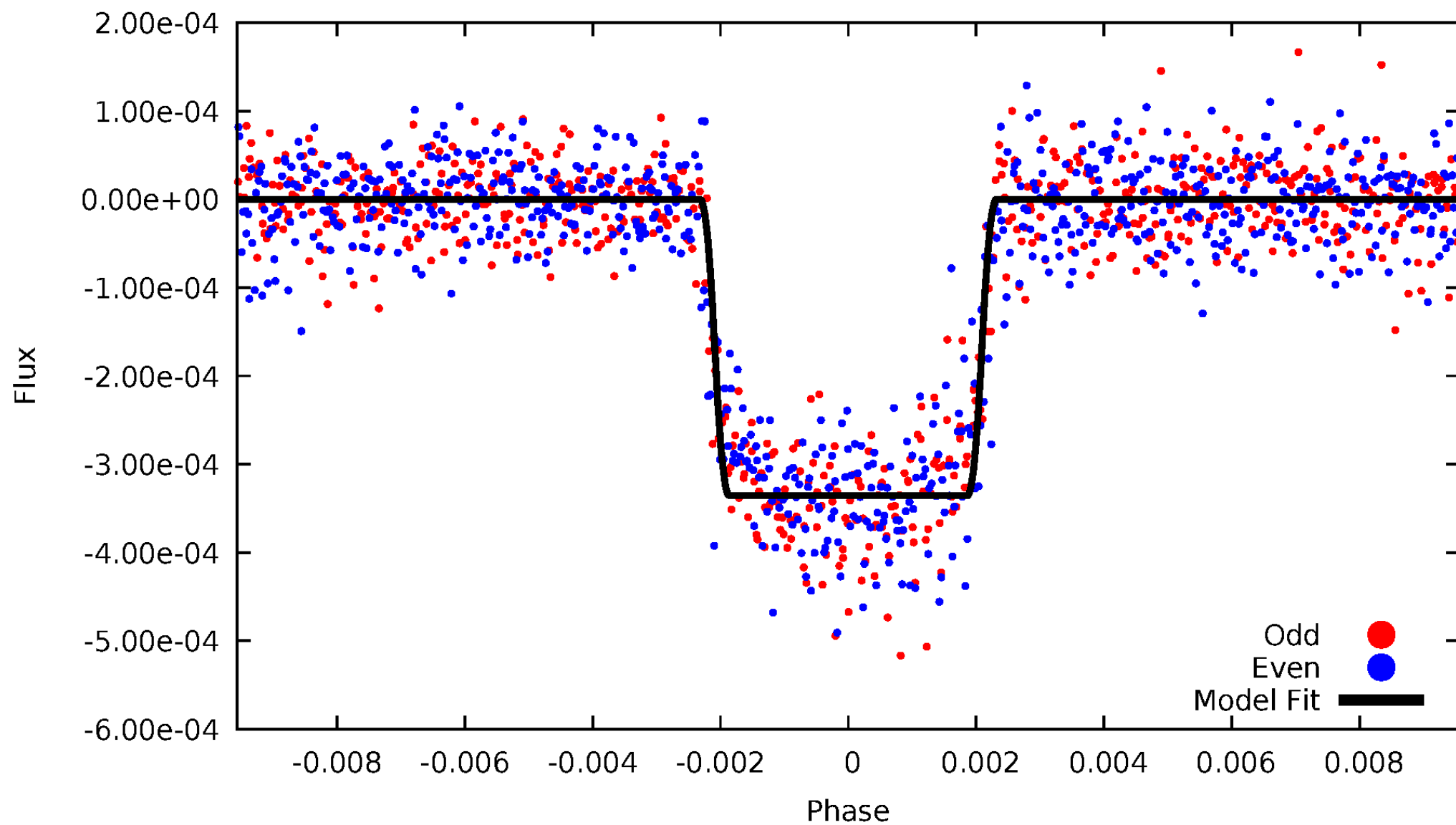
DV Odd/Even

TCE 008292840-01

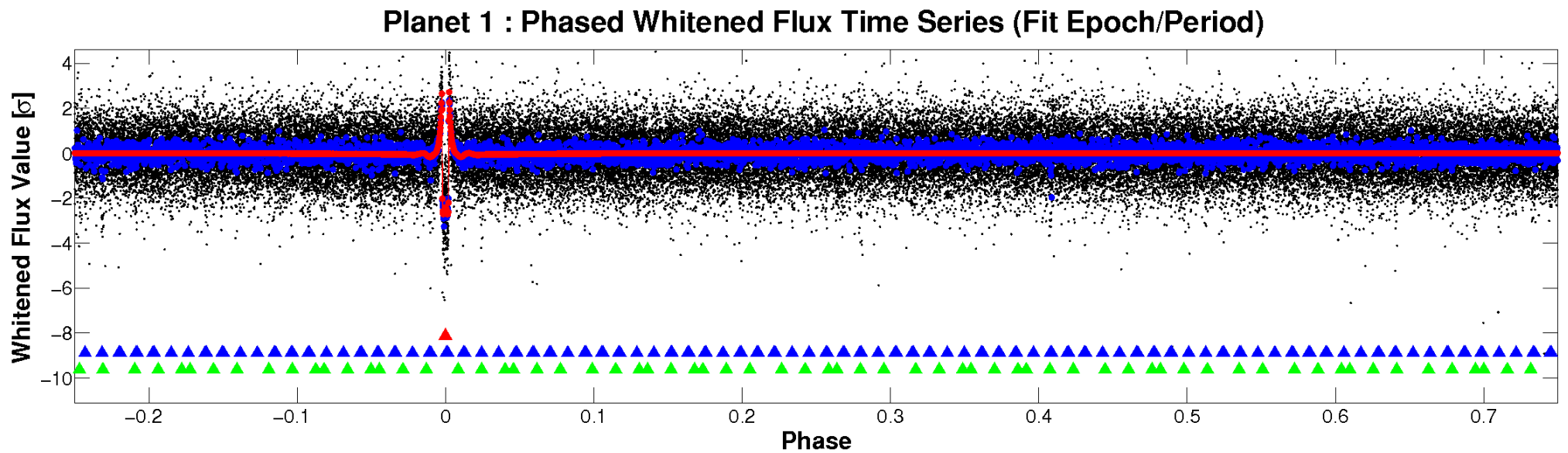
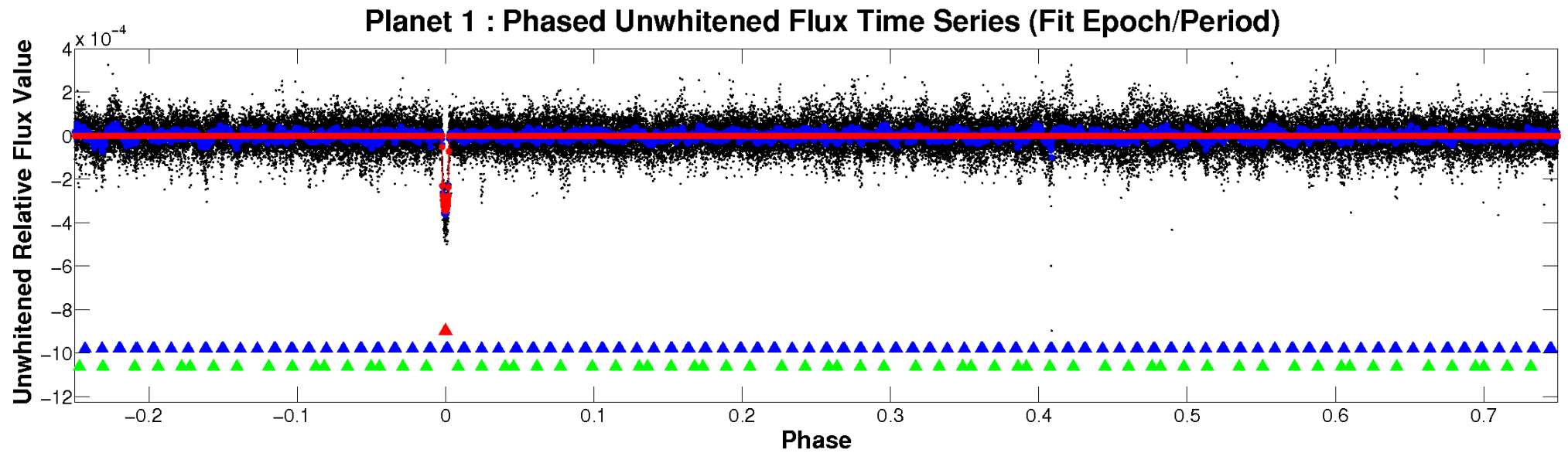


ALT Odd/Even

TCE 008292840-01

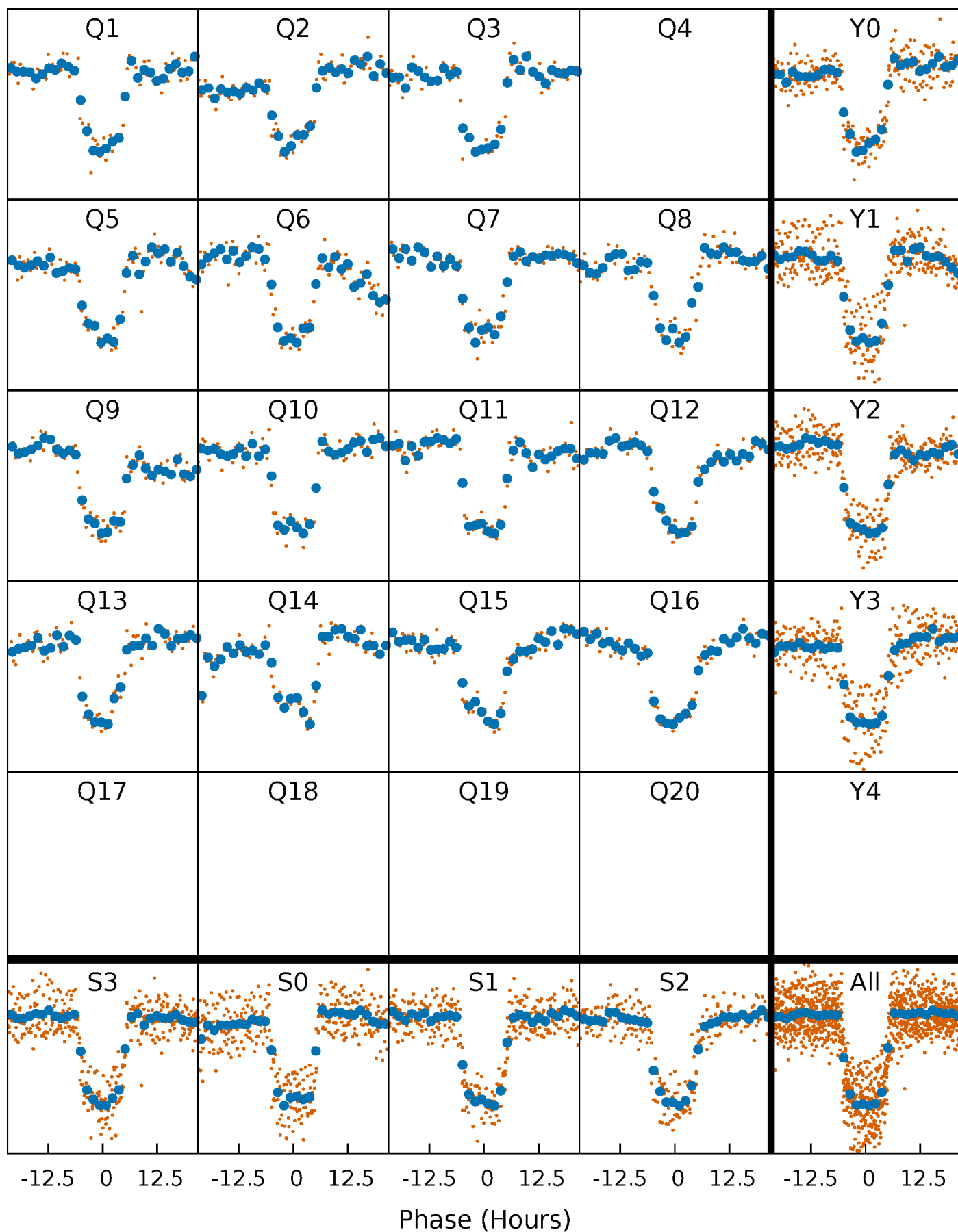


Non-Whitened Vs. Whitened Light Curve



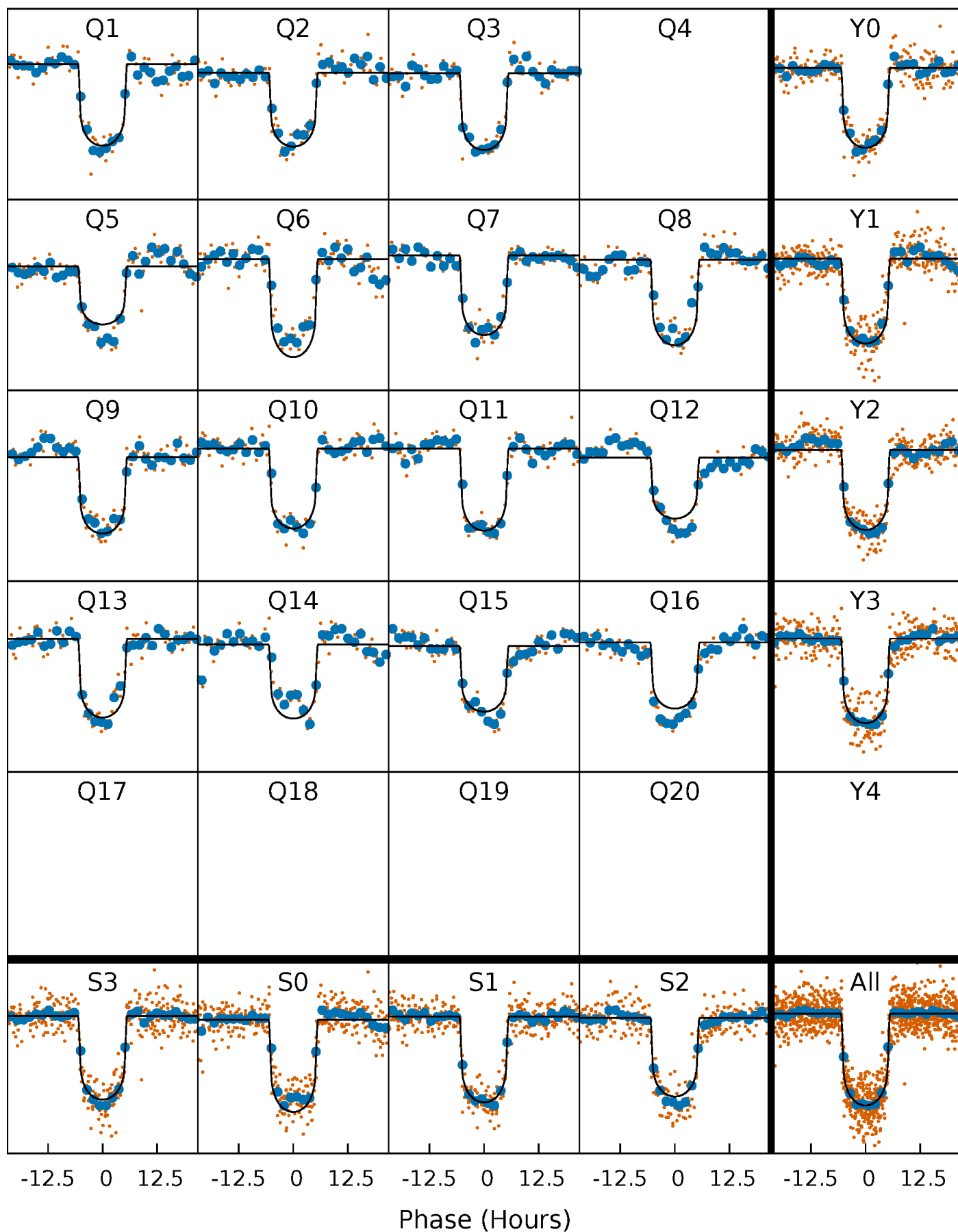
PDC Quarter-Phased Transit Curves

TCE 008292840-01 P=100.282833 Days $T_0=144.762131$ (BKJD)



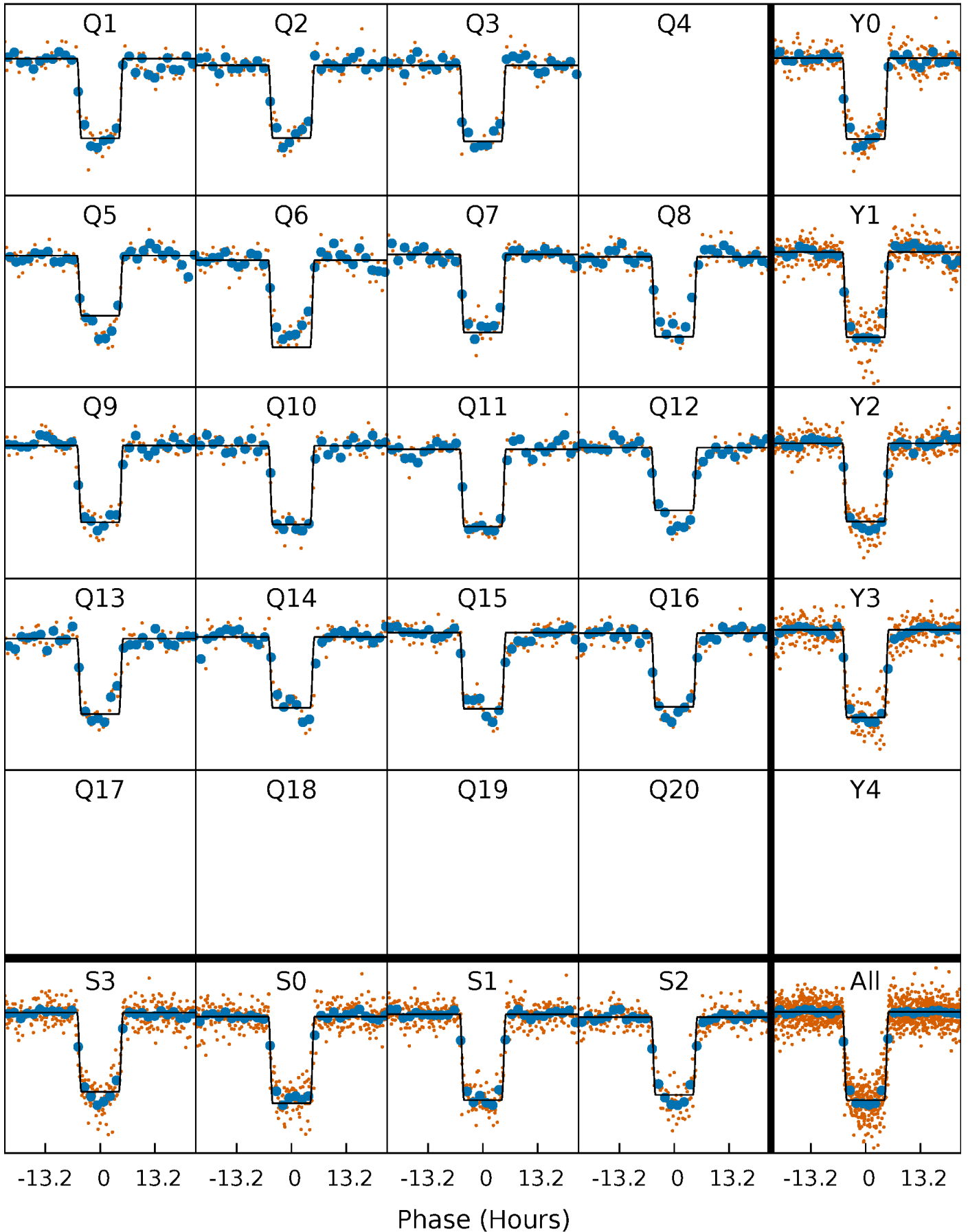
DV Quarter-Phased Transit Curves

TCE 008292840-01 P=100.282833 Days $T_0=144.762131$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

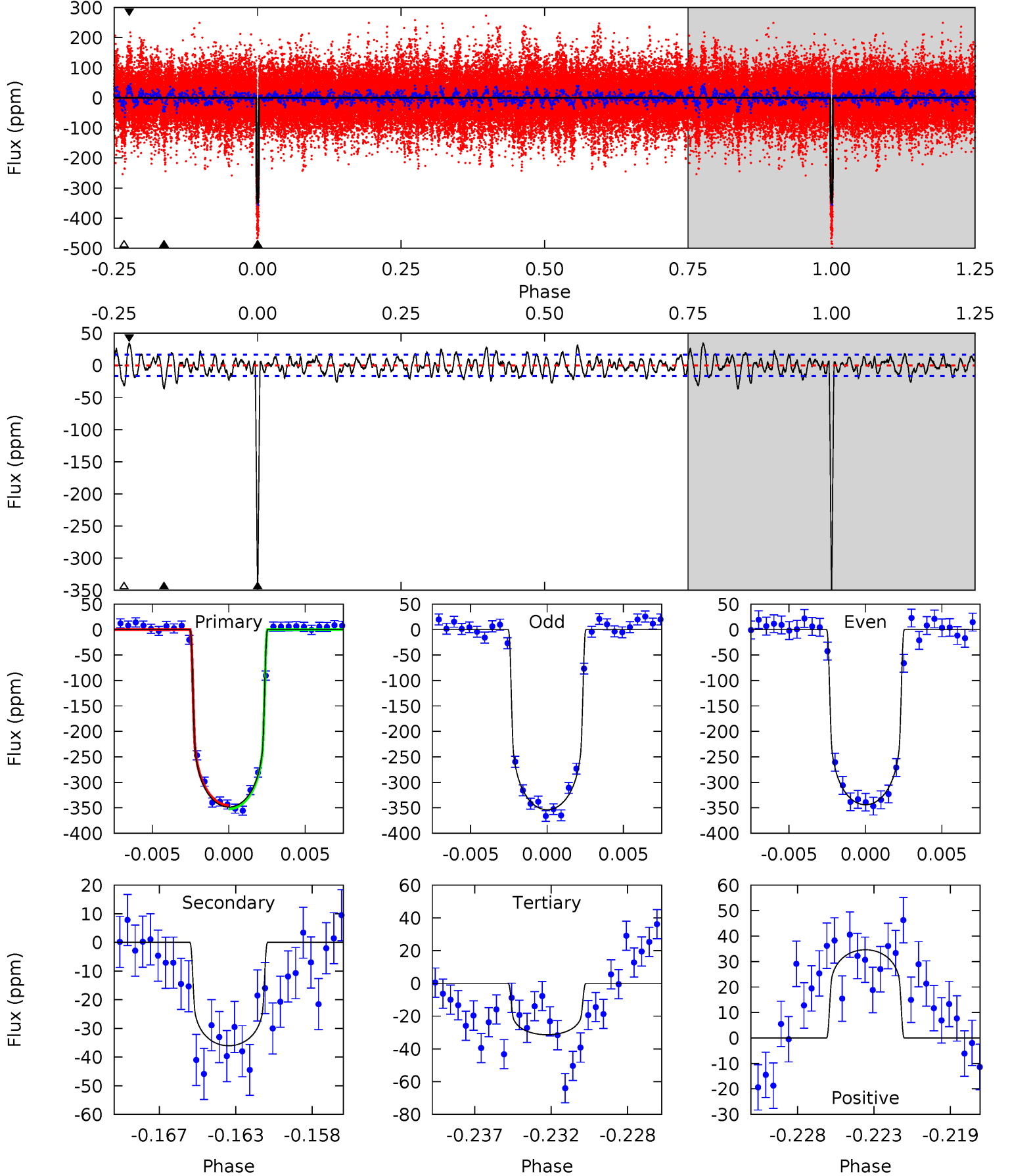
TCE 008292840-01 P=100.281779 Days $T_0=144.769834$ (BKJD)



DV Model-Shift Uniqueness Test

008292840-01, $P = 100.282833$ Days, $E = 44.479298$ Days

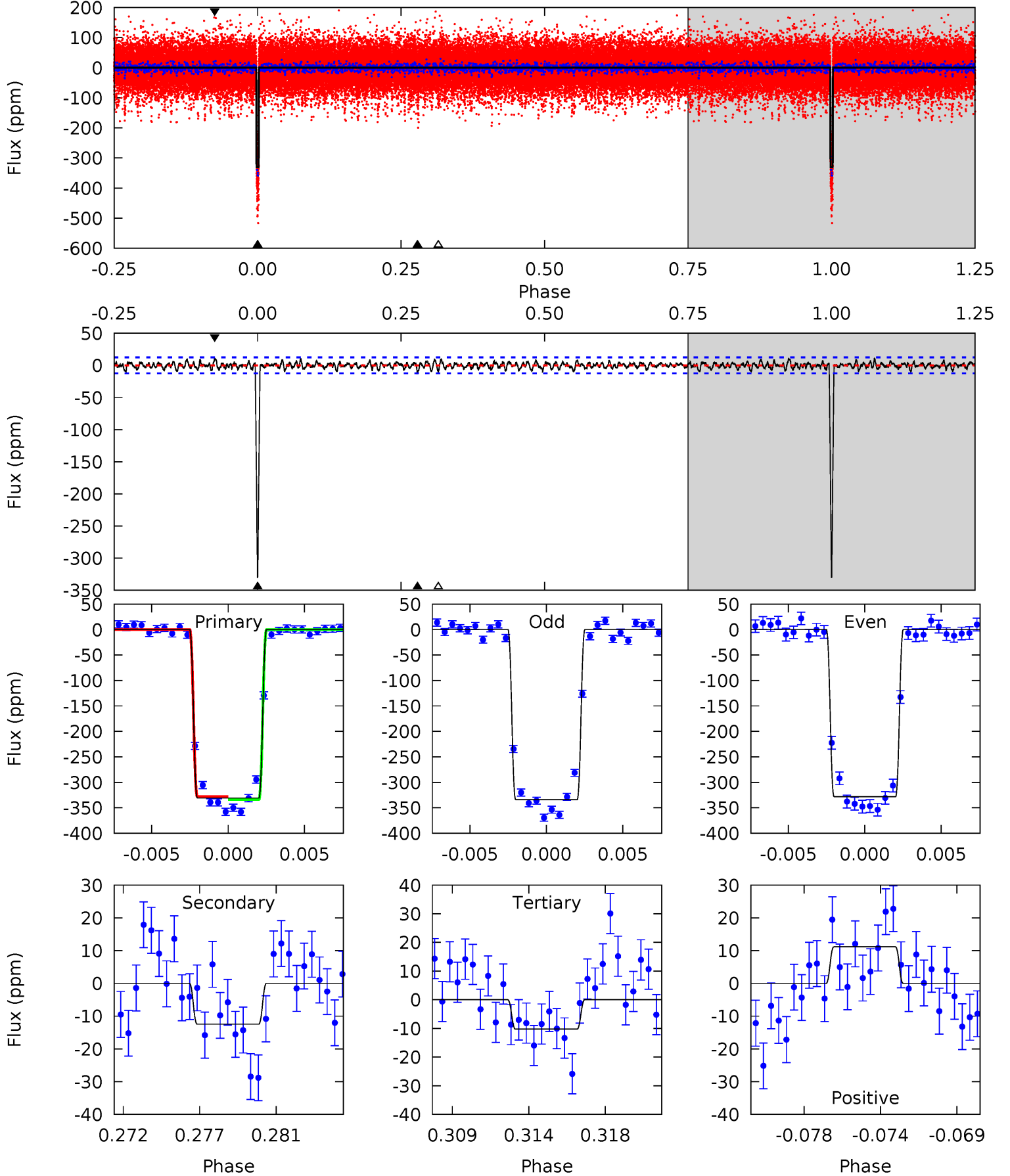
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
107.9	11.2	9.71	10.7	5.17	2.83	3.32	98.2	97.2	1.45	0.44	1.52	1.00	0.09	1.04



Alt Model-Shift Uniqueness Test

008292840-01, $P = 100.281779$ Days, $E = 44.488055$ Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
139.0	5.23	4.31	4.69	5.17	2.83	1.49	134.7	134.3	0.93	0.55	1.20	1.00	0.03	1.12



Stellar Parameters For KIC 008292840

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6214^{+113}_{-87}	$4.238^{+0.033}_{-0.027}$	$-0.160^{+0.100}_{-0.100}$	$1.297^{+0.074}_{-0.054}$	$1.059^{+0.087}_{-0.047}$	$0.683^{+0.083}_{-0.074}$
	+2%/-1%	+1%/-1%	+62%/-62%	+6%/-4%	+8%/-4%	+12%/-11%
Source	SPE8	AST69	SPE69	DSEP		

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

Secondary Eclipse Parameters for KIC 008292840-01 / KOI 0260.02

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-36 ± 3	$2.56^{+0.15}_{-0.13}$	665^{+14}_{-13}	3928^{+103}_{-98}	569^{+72}_{-76}
Alt.	-12 ± 2	$2.58^{+0.14}_{-0.13}$	664^{+14}_{-13}	3286^{+107}_{-105}	188^{+43}_{-36}

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

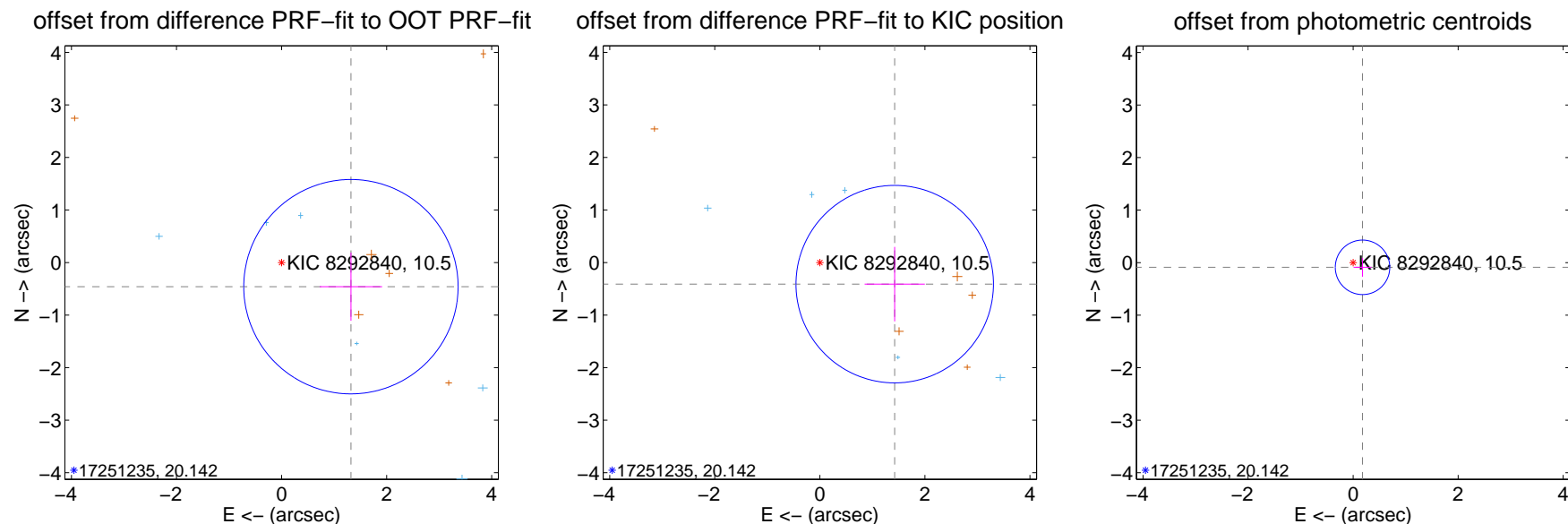
DV Centroid Data

Supplemental centroid analysis for 008292840-01. **Kepler magnitude: 10.50.** Transit SNR 50.85

There are 7 quarters with good PRF difference image offsets

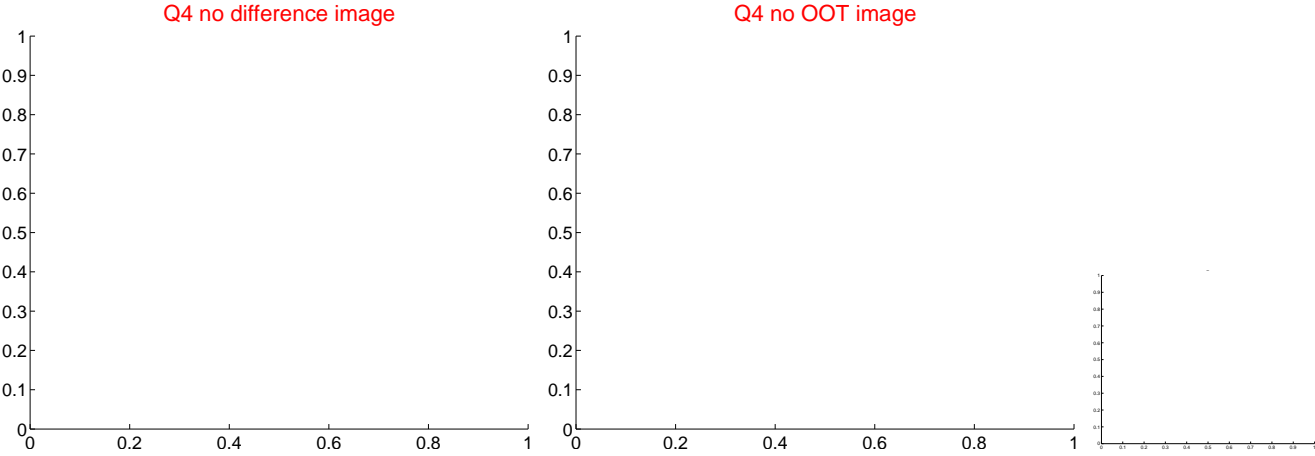
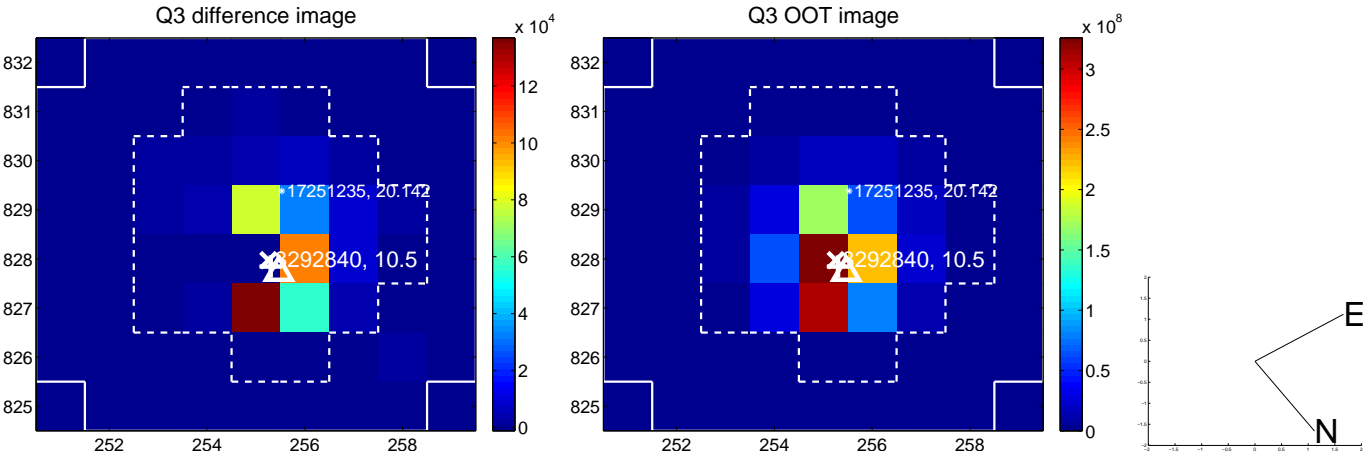
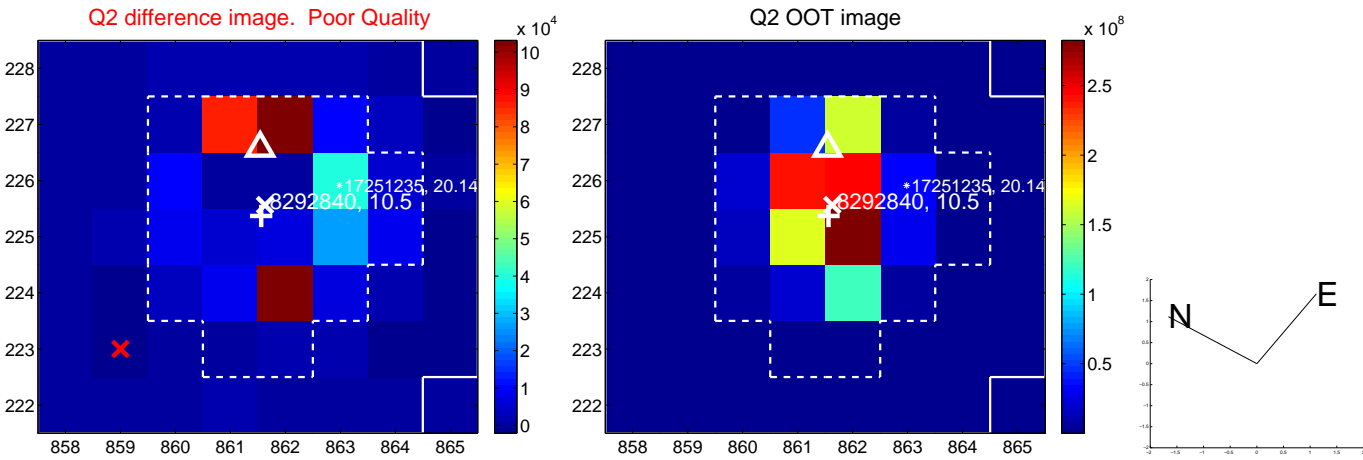
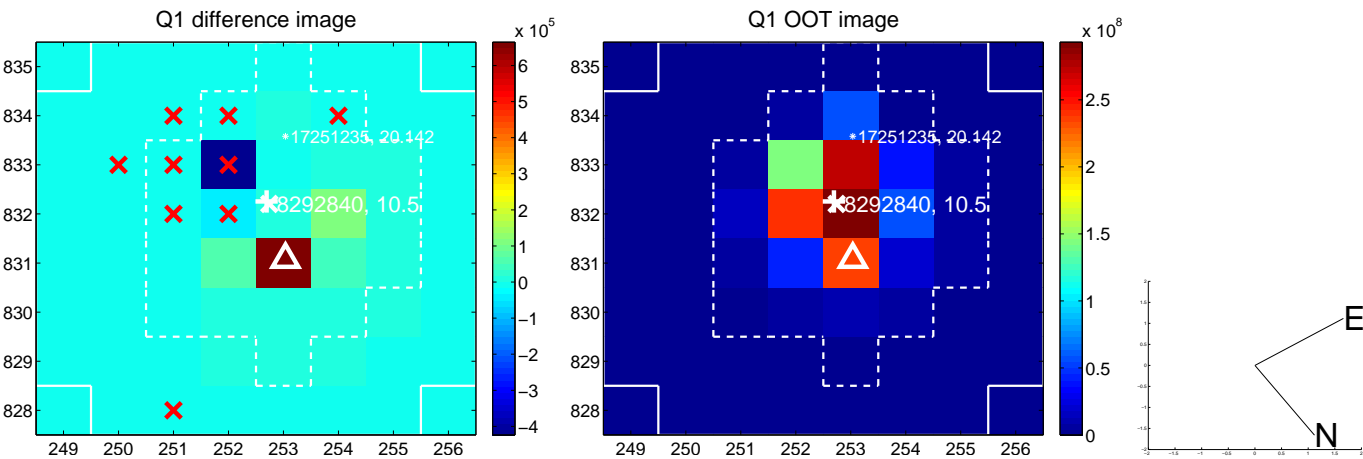
The direct PRF centroid is offset from the target star catalog position by about 0.49 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.398 ± 0.680	2.06	-1.320 ± 0.595	-0.460 ± 0.648
PRF-fit source offset from KIC position	1.483 ± 0.626	2.37	-1.425 ± 0.573	-0.411 ± 0.709
photometric centroid source offset	0.20 ± 0.17	1.16	-0.18 ± 0.17	-0.09 ± 0.18

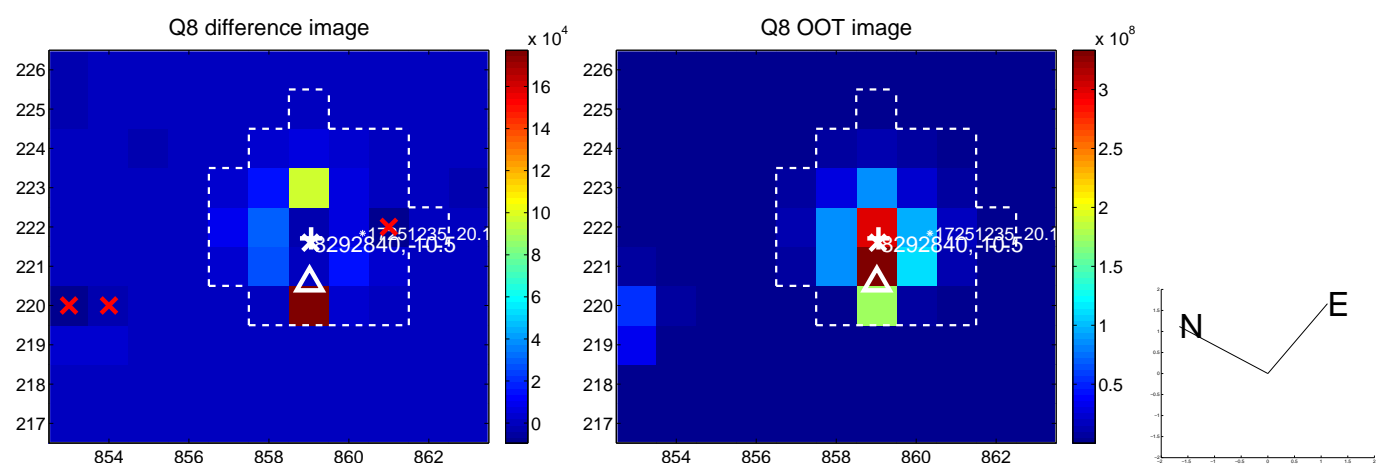
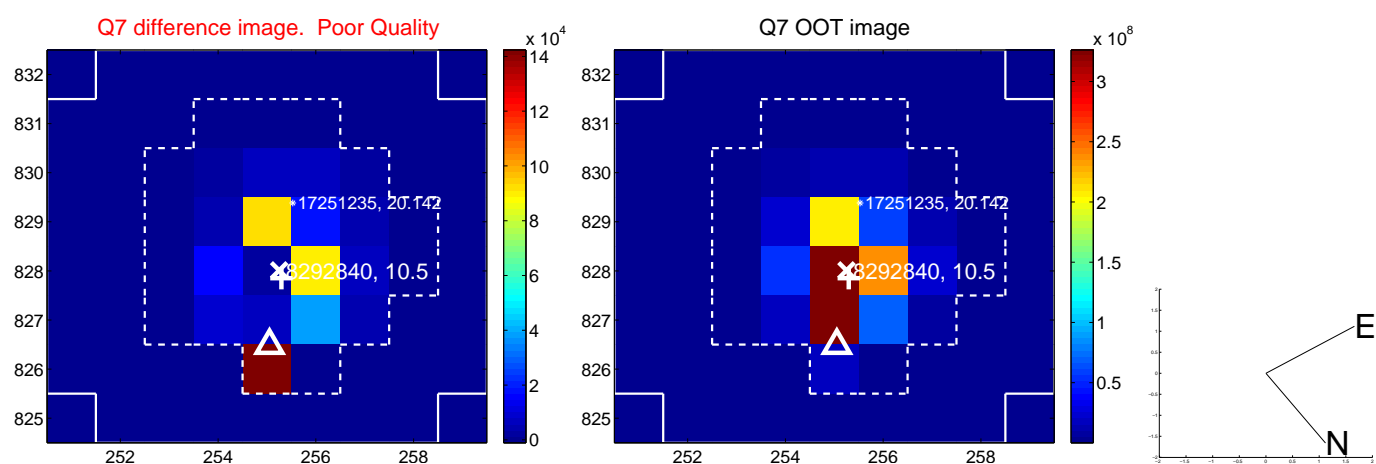
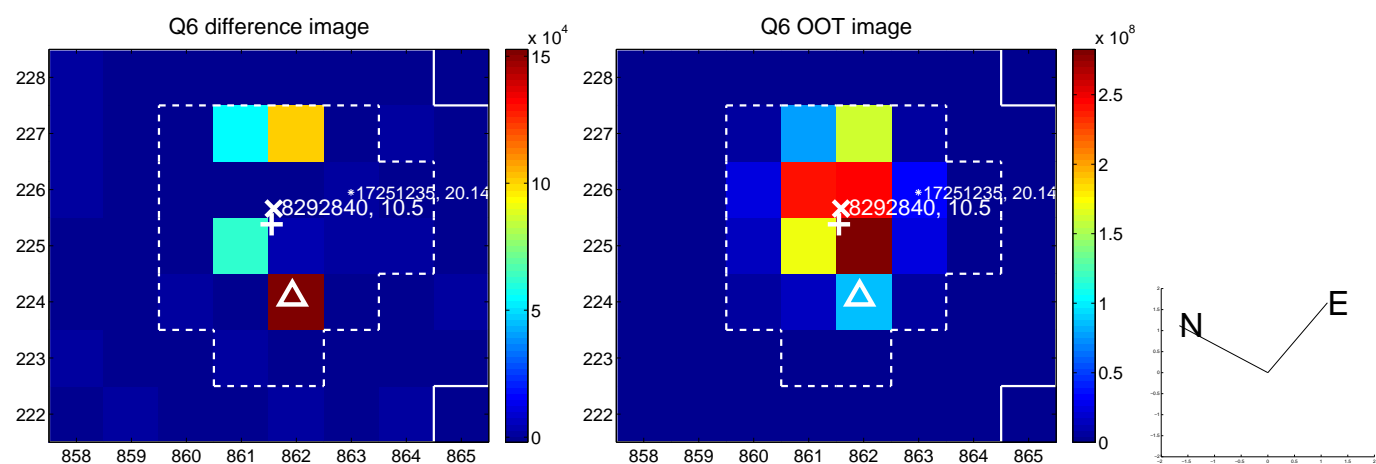
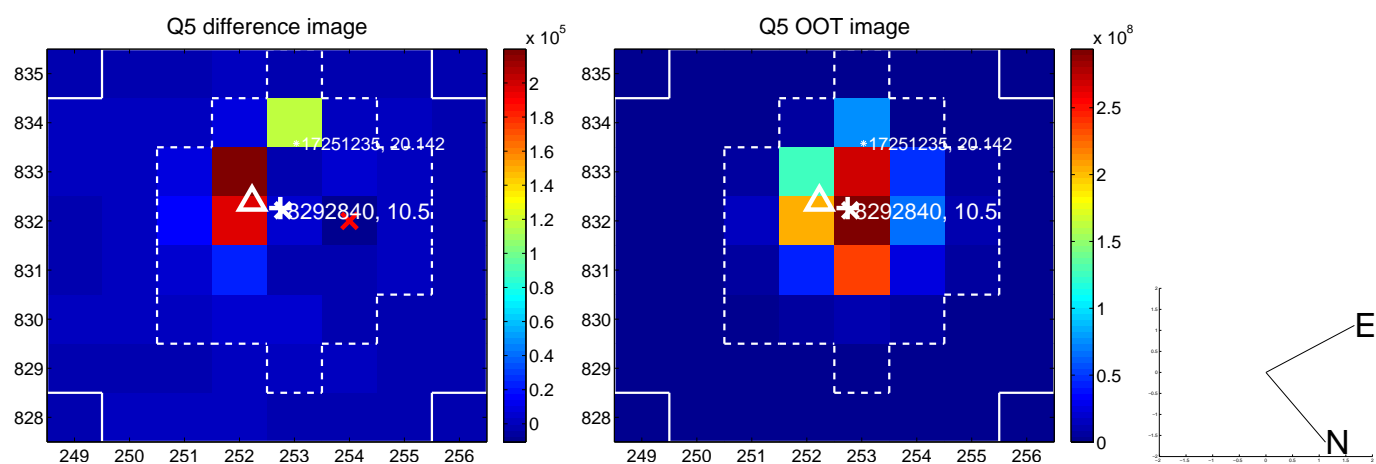


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

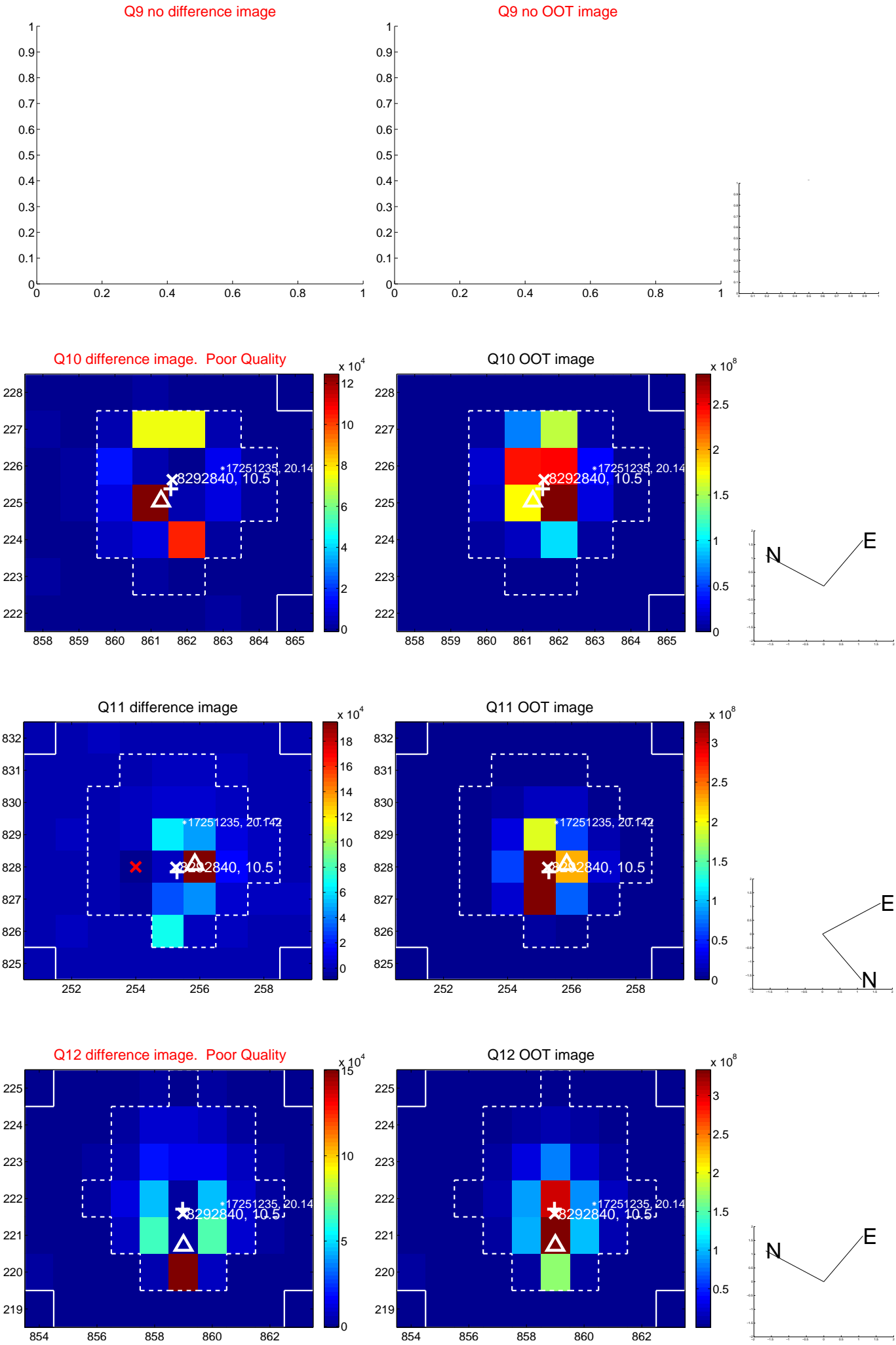
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



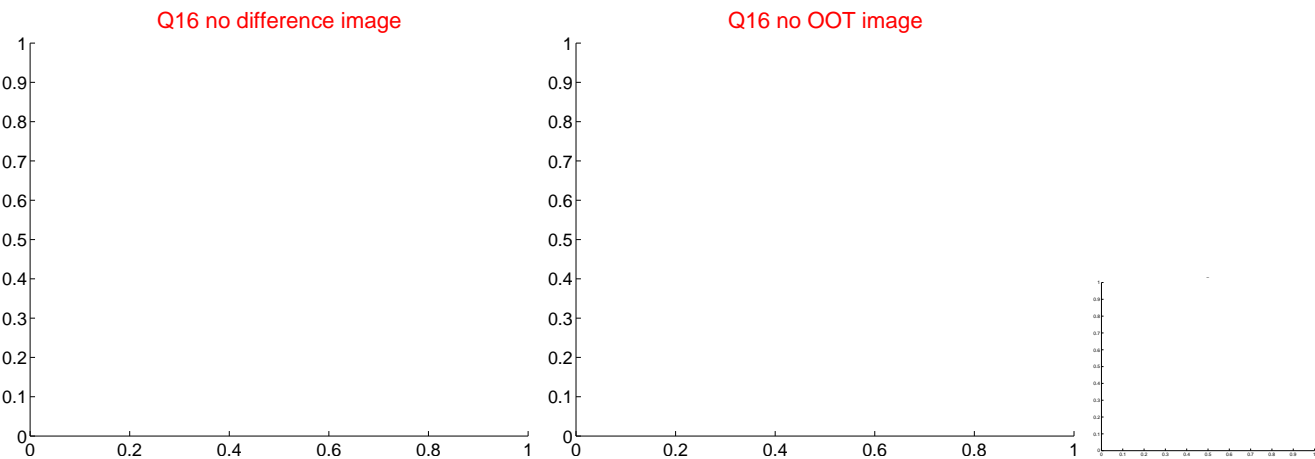
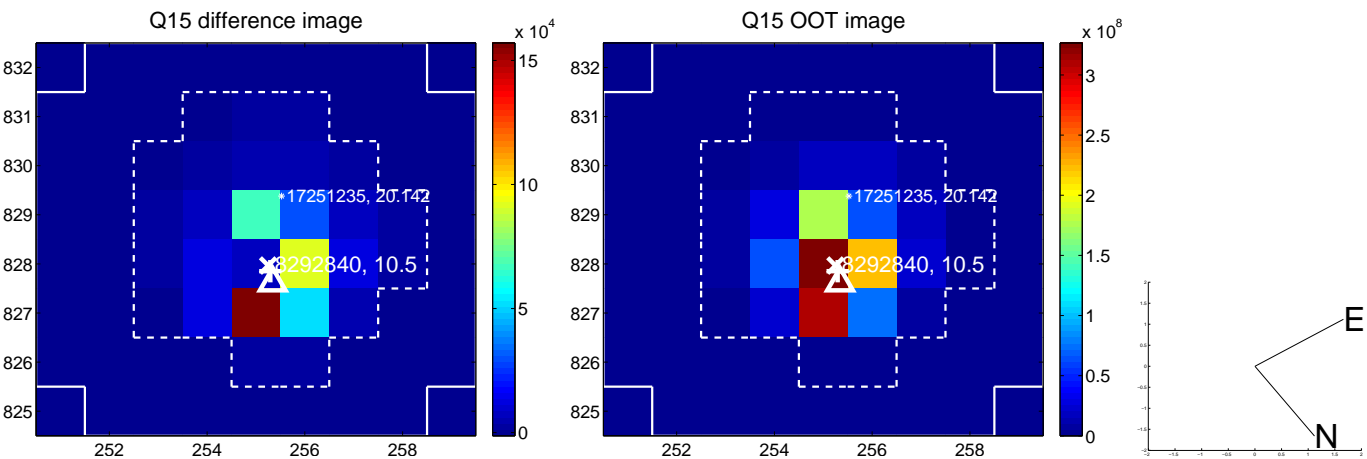
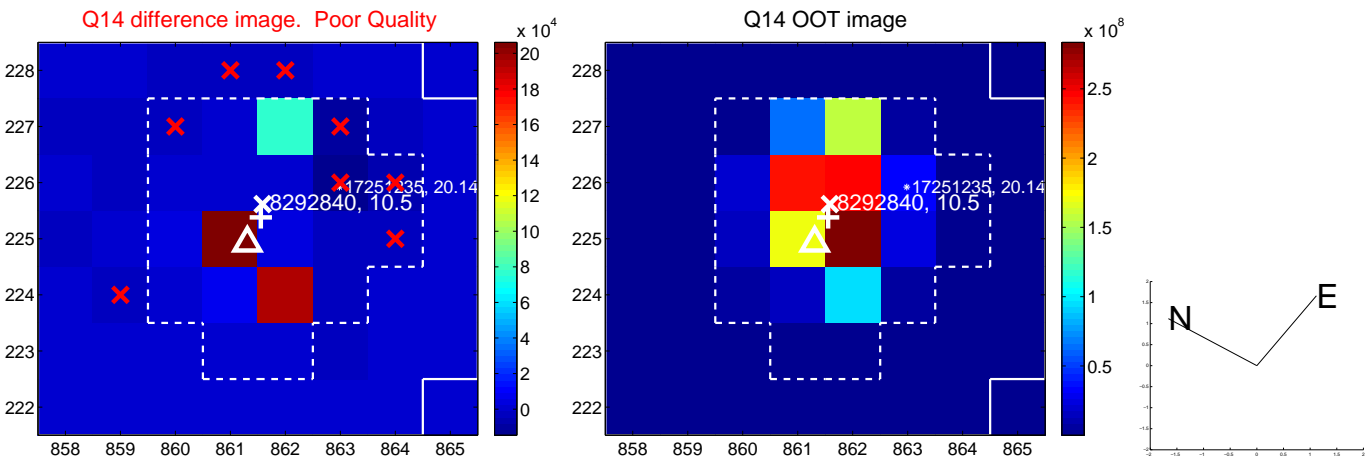
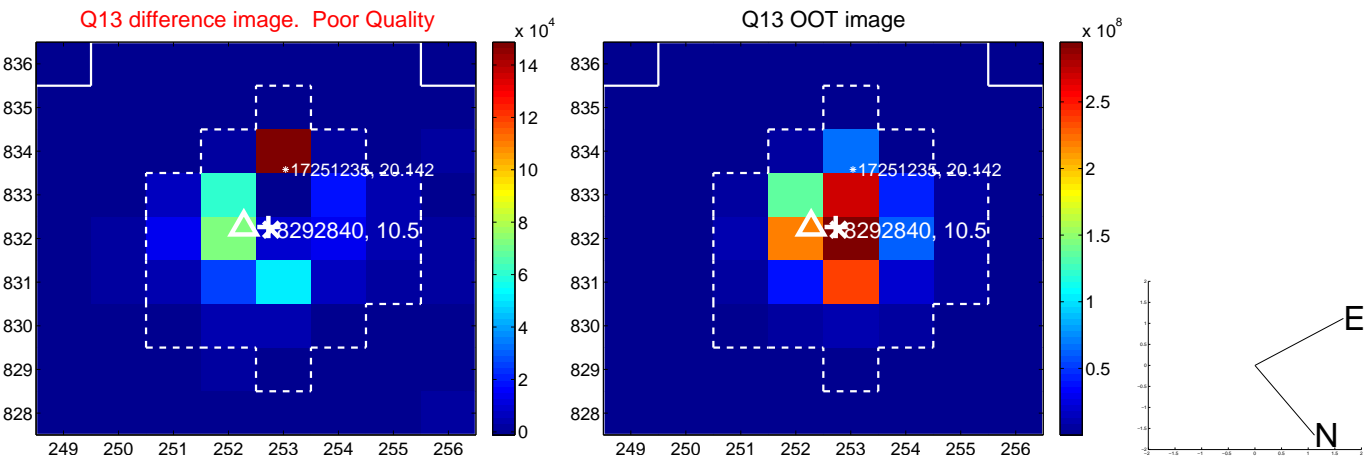
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value



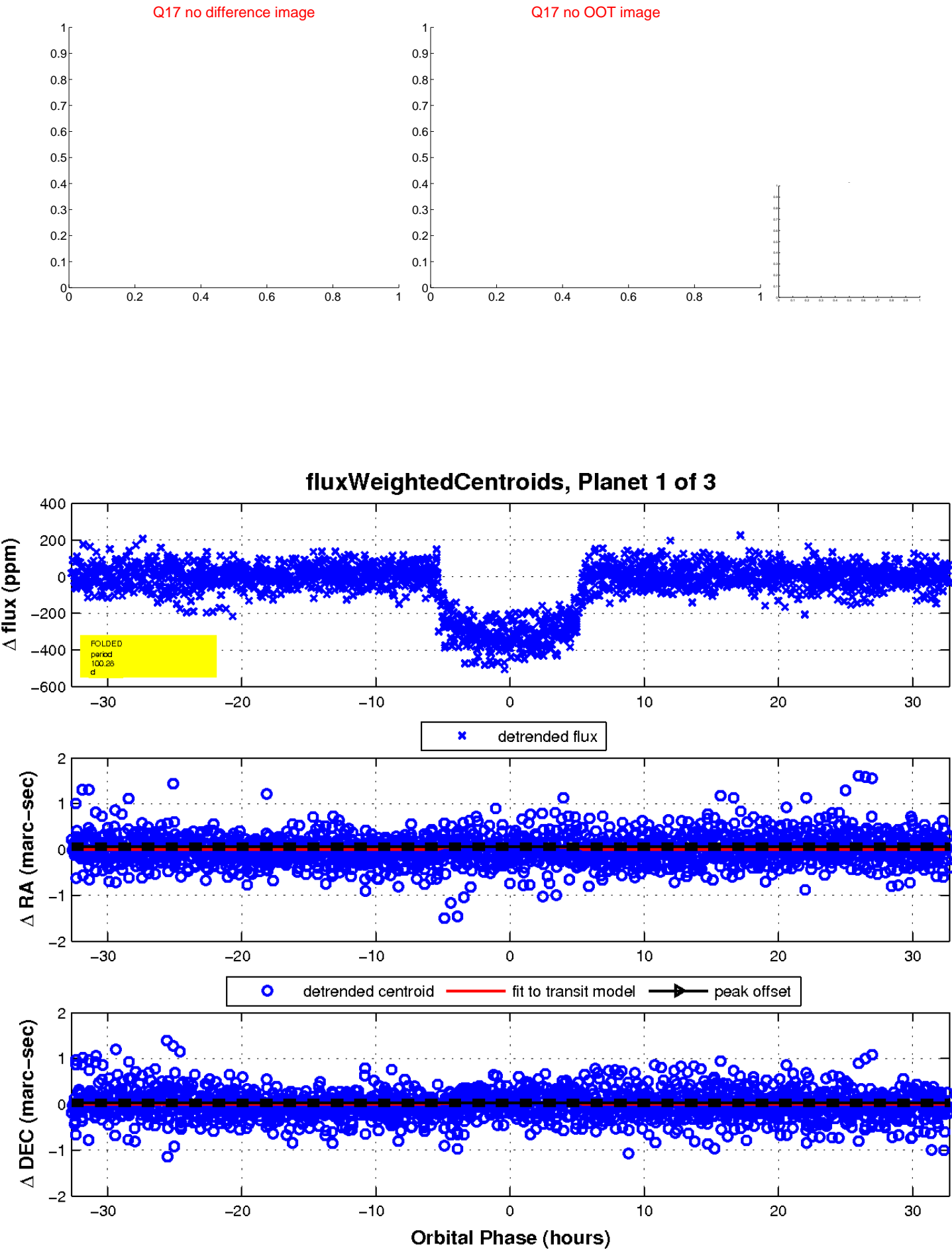
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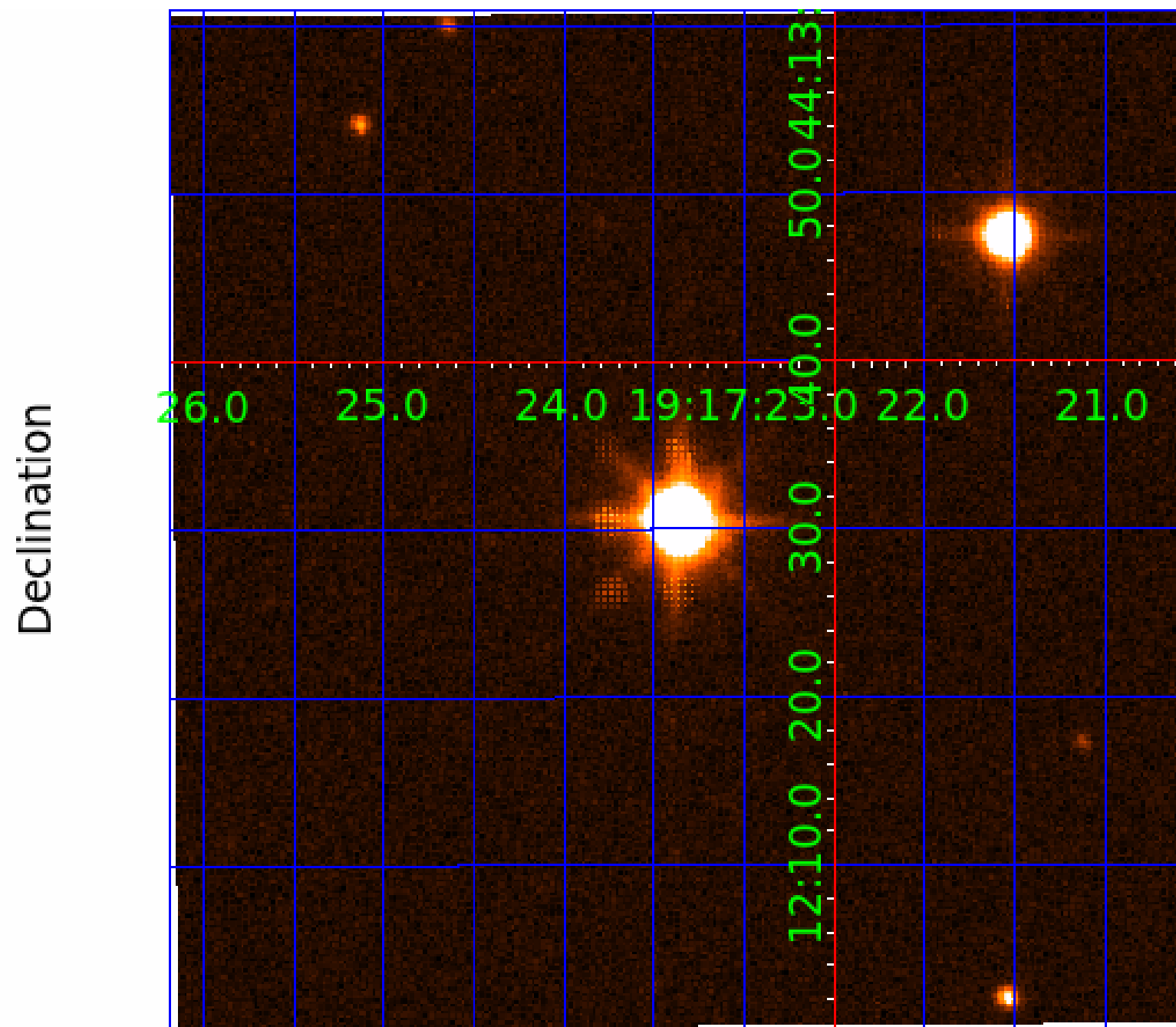
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 008292840

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})
008292840-01	OBS	0260.02	100.282833	144.762131	347.0	10.920	51.9	50.9	1.30	6214	2.56	12.10
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008292840-03	OBS	0260.03	21.869645	140.295137	118.4	6.069	37.5	40.3	1.30	6214	1.79	92.16

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008292840-01	OBS	PC	1.00	0	0	0	0	CENT_SATURATED
008292840-02	OBS	PC	1.00	0	0	0	0	CENT_SATURATED
008292840-03	OBS	PC	1.00	0	0	0	0	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.

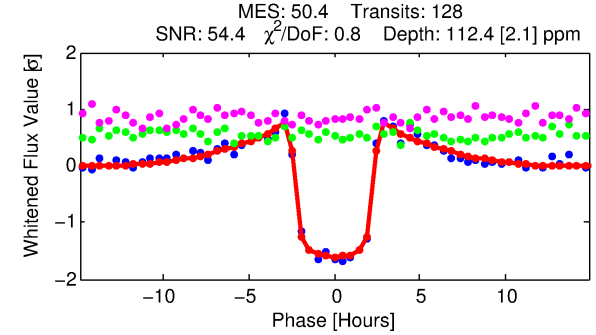
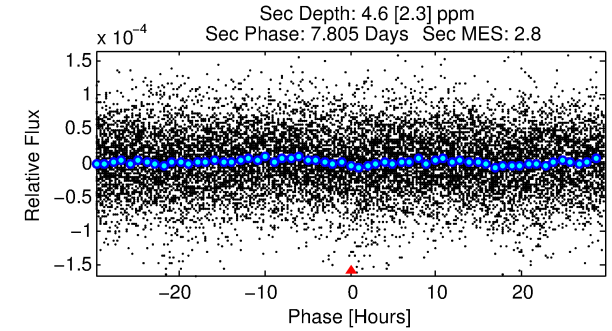
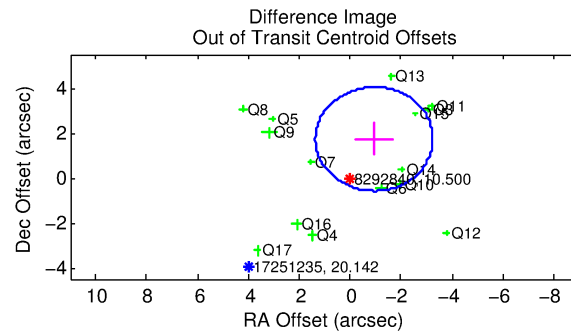
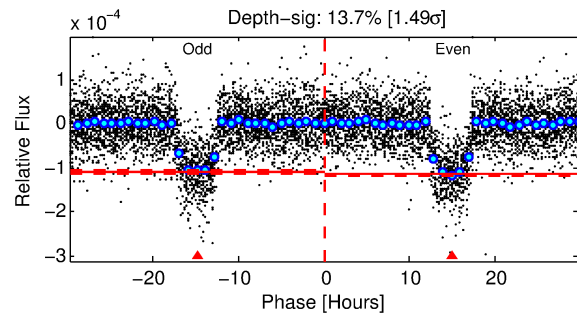
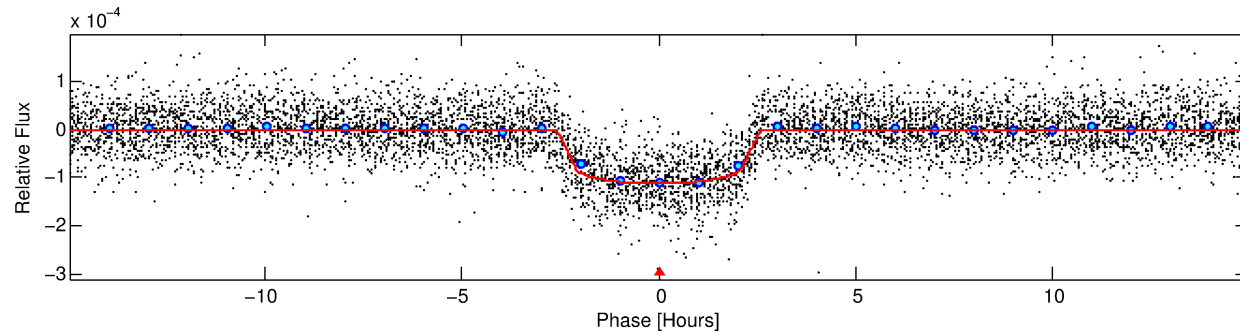
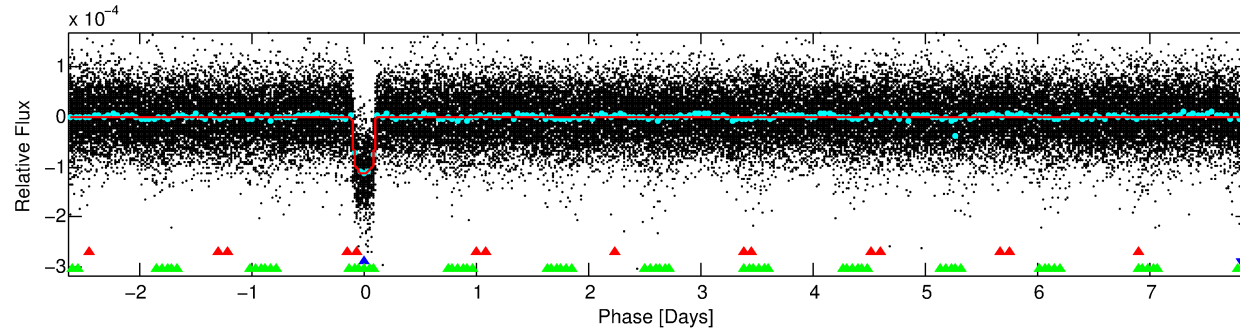
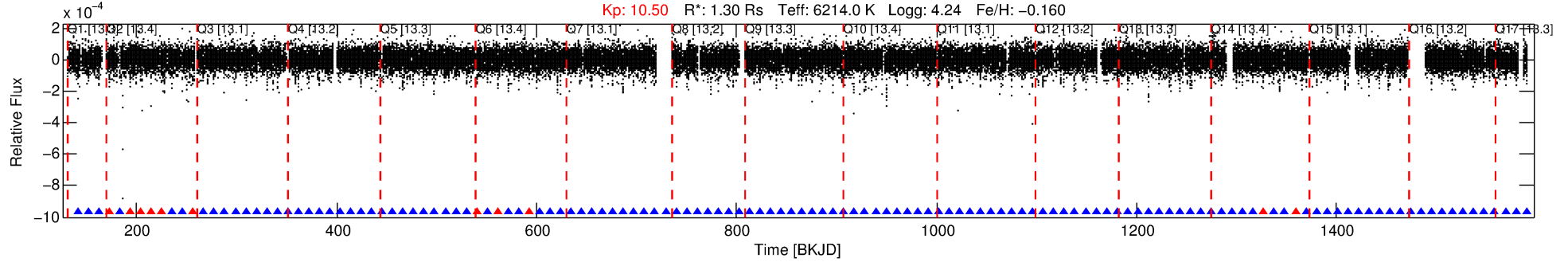
Ephemeris Match Information For 008292840-02

No Significant Match Found

DV One-Page Summary

KIC: 8292840 Candidate: 2 of 3 Period: 10.496 d
KOI: K00260.01 Name: Kepler-126b Corr: 0.981

Kp: 10.50 R*: 1.30 Rs Teff: 6214.0 K Logg: 4.24 Fe/H: -0.160



DV Fit Results:

Period = 10.49567 [0.00002] d
Epoch = 141.3056 [0.0012] BKJD
Rp/R* = 0.0114 [0.0005]
a/R* = 7.50 [1.80]
b = 0.90 [0.05]
Seff = 245.28 [23.66]
Teq = 1009 [24] K
Rp = 1.61 [0.12] Re
a = 0.0957 [0.0044] AU
Ag = 8.89 [4.54] [1.74σ]
Teffp = 2694 [345] K [4.87σ]

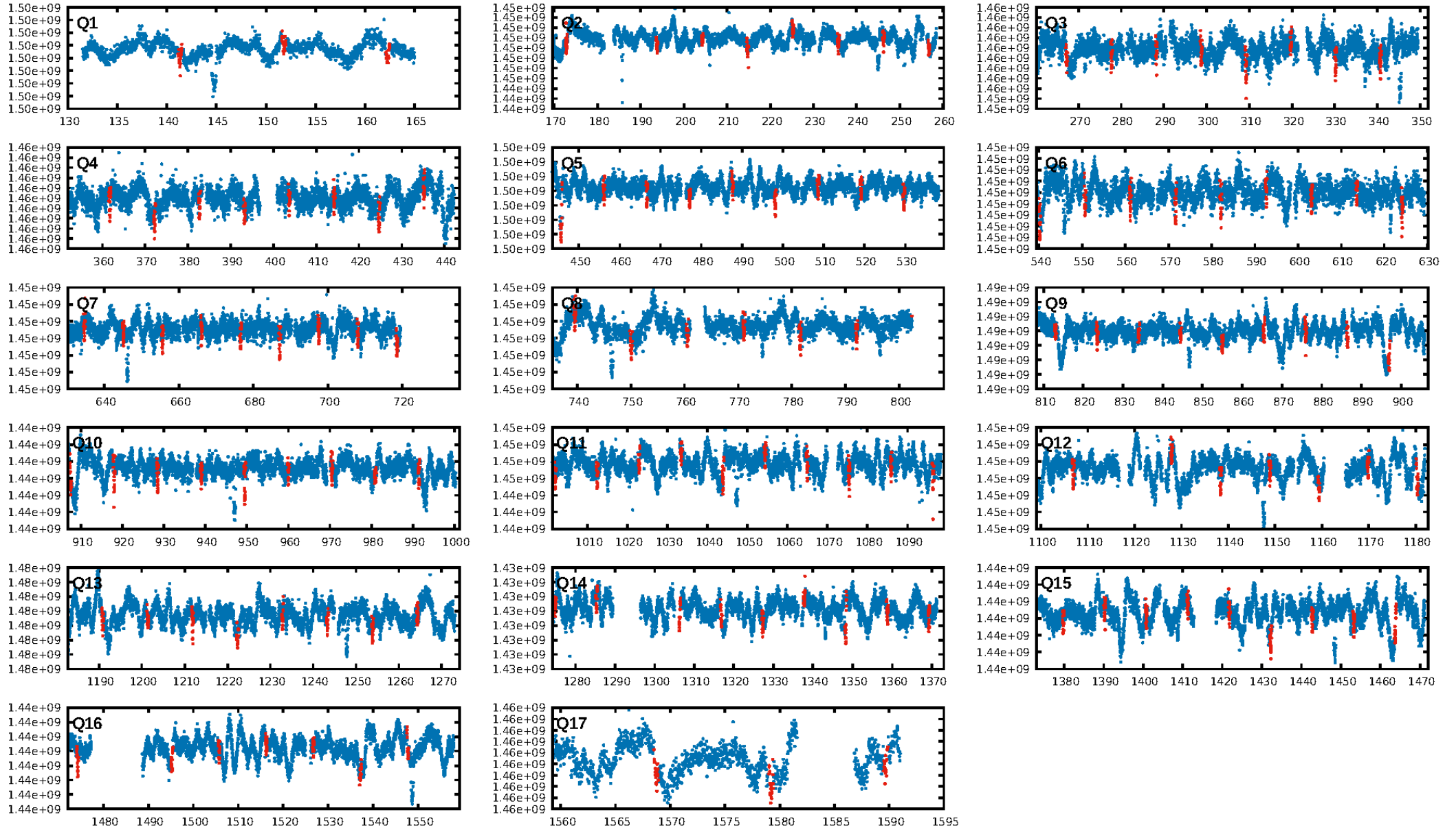
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [34.78σ]
ModelChiSquare2-sig: 43.2%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 0.00e+00
RollingBand-fgt: 0.91 [111/122]
GhostDiagnostic-chr: 68.44
Centroid-sig: 9.2%
Centroid-so: 0.263 arcsec [1.24σ]
OotOffset-rm: 1.967 arcsec [2.55σ]
OotOffset-st: 3/4/4/4 [15]
KicOffset-rm: 2.141 arcsec [3.03σ]
KicOffset-st: 3/4/4/4 [15]
DiffImageQuality-fgm: 0.33 [5/15]
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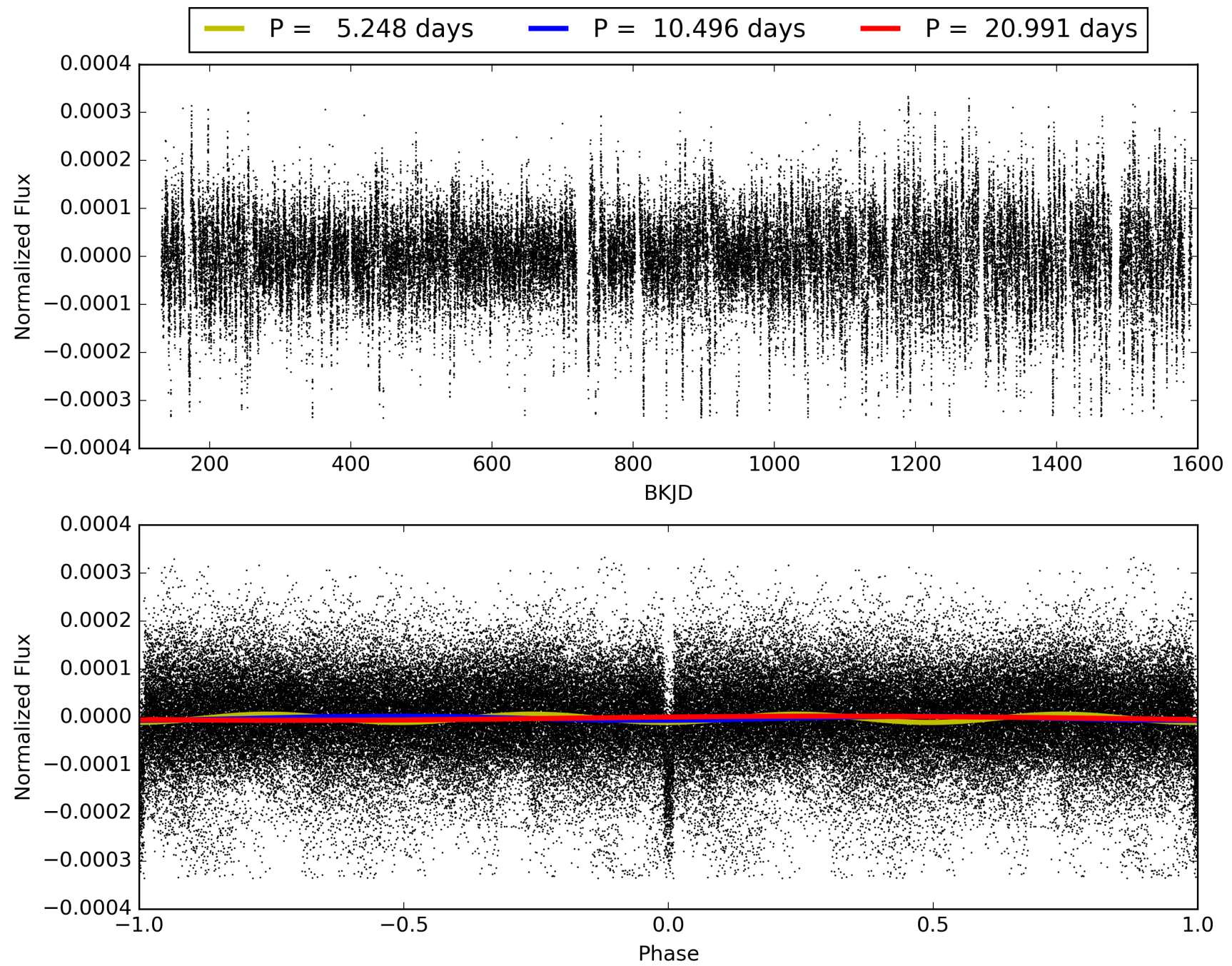
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TCE 008292840-02, PDC Light Curves

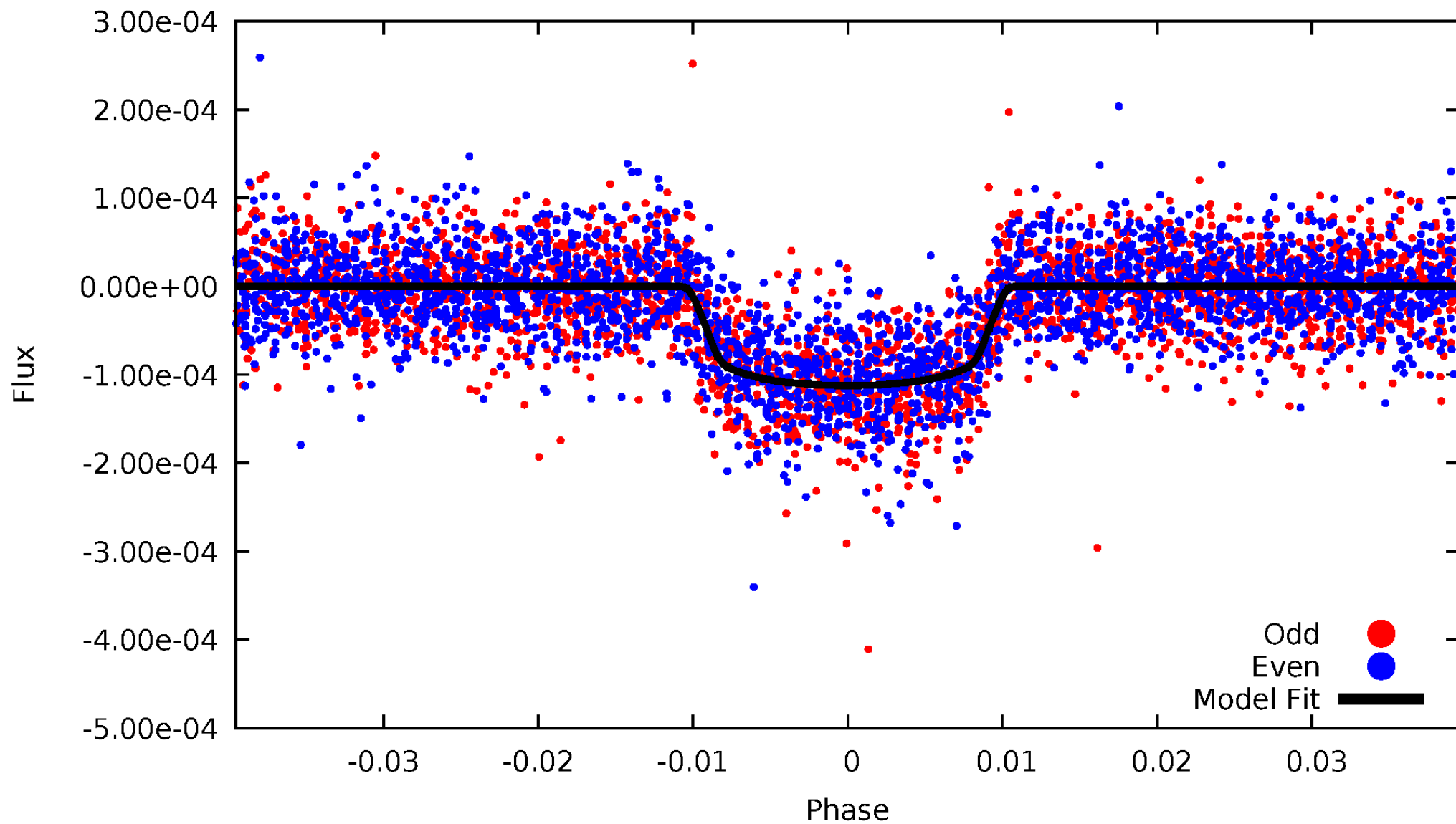


TCE 008292840-02



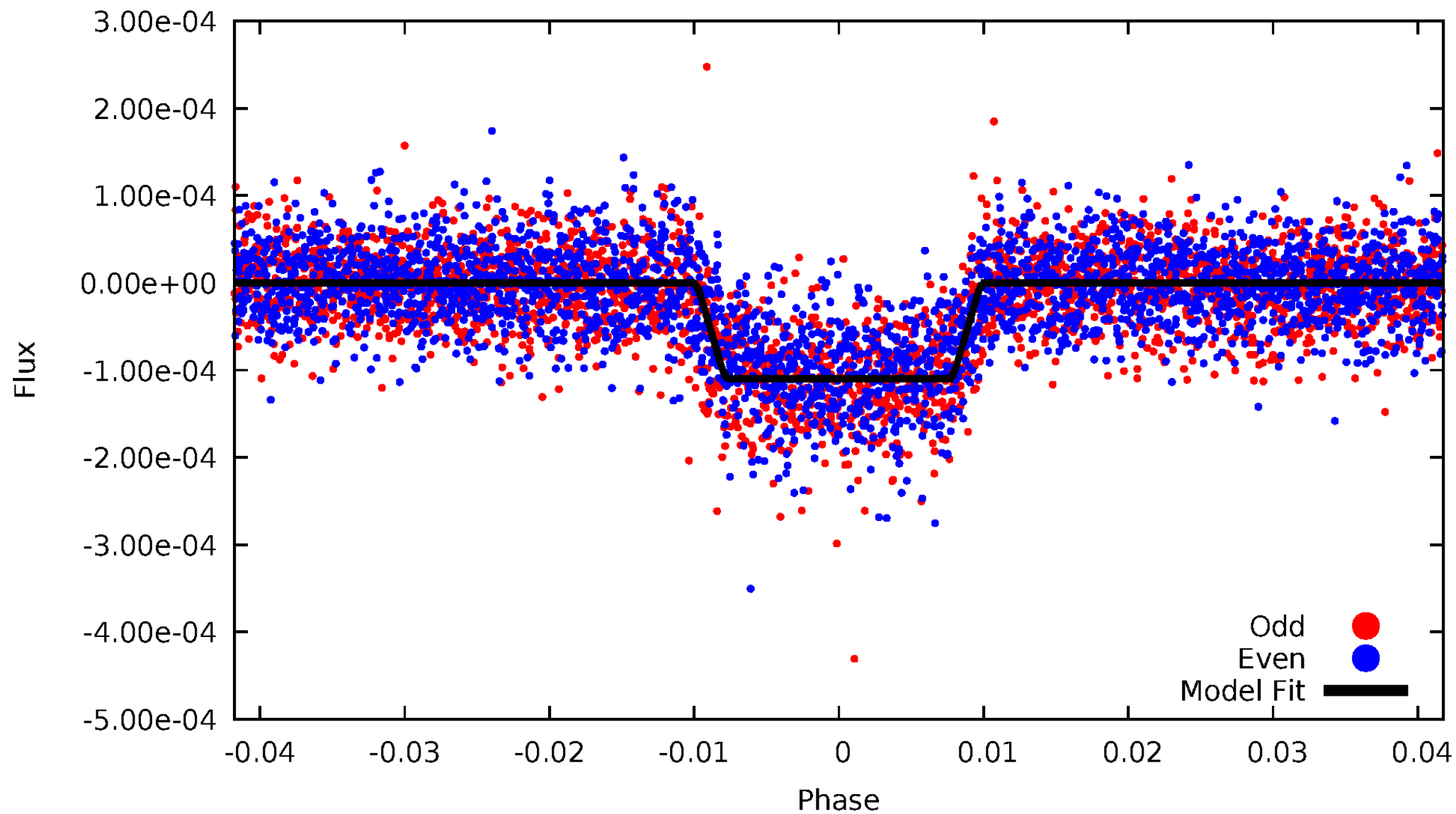
DV Odd/Even

TCE 008292840-02



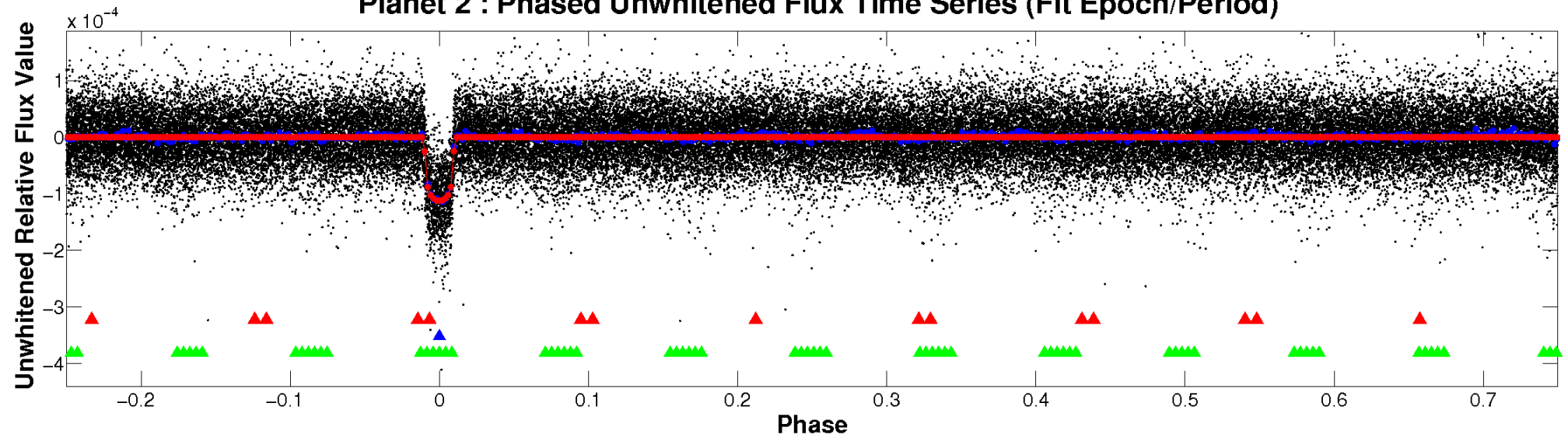
ALT Odd/Even

TCE 008292840-02

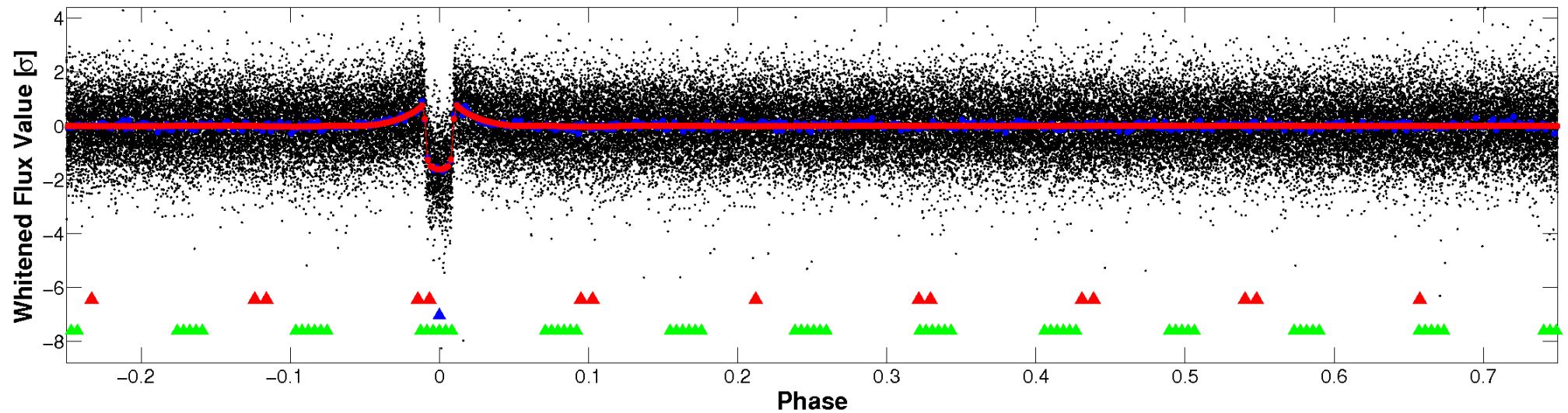


Non-Whitened Vs. Whitened Light Curve

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

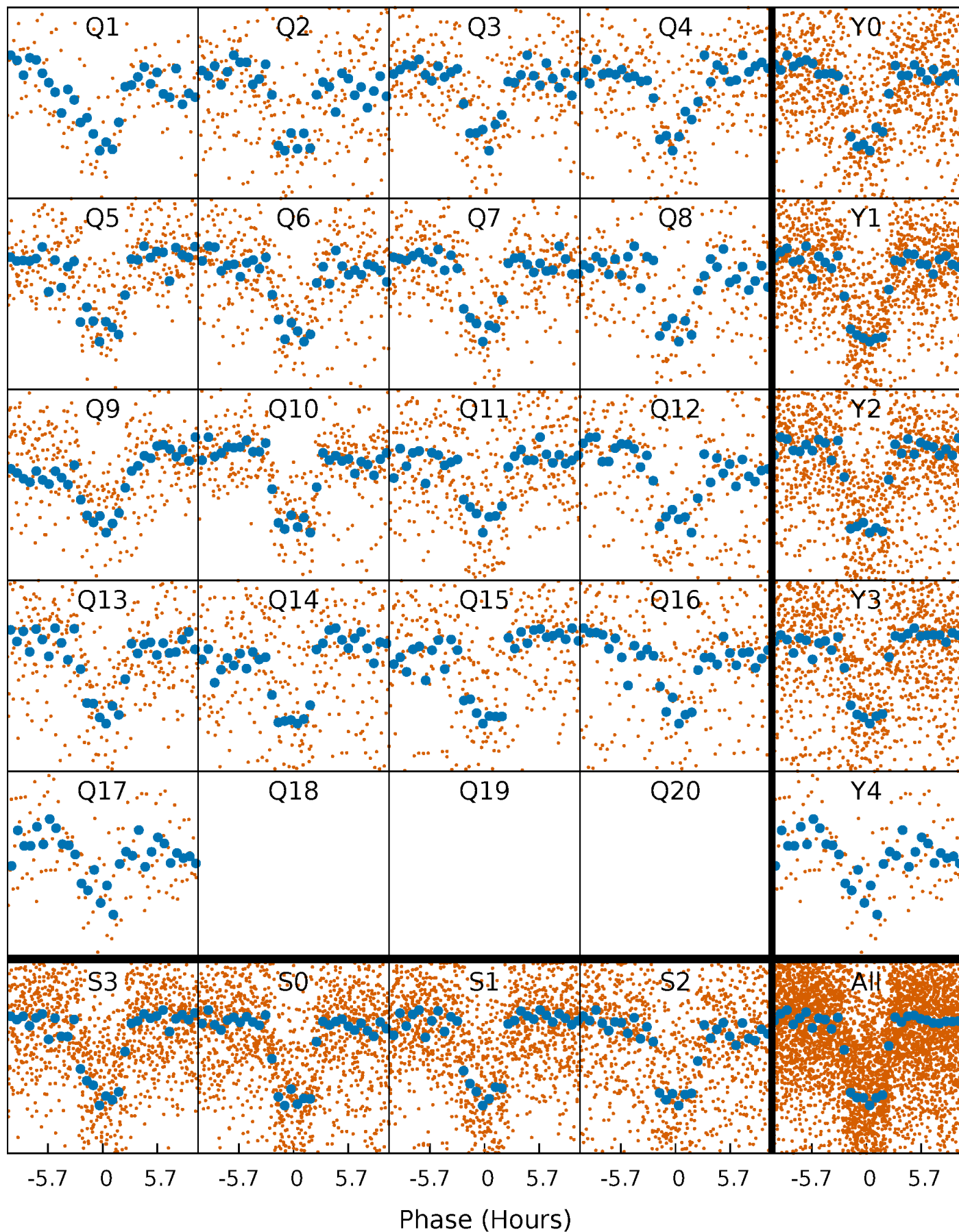


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



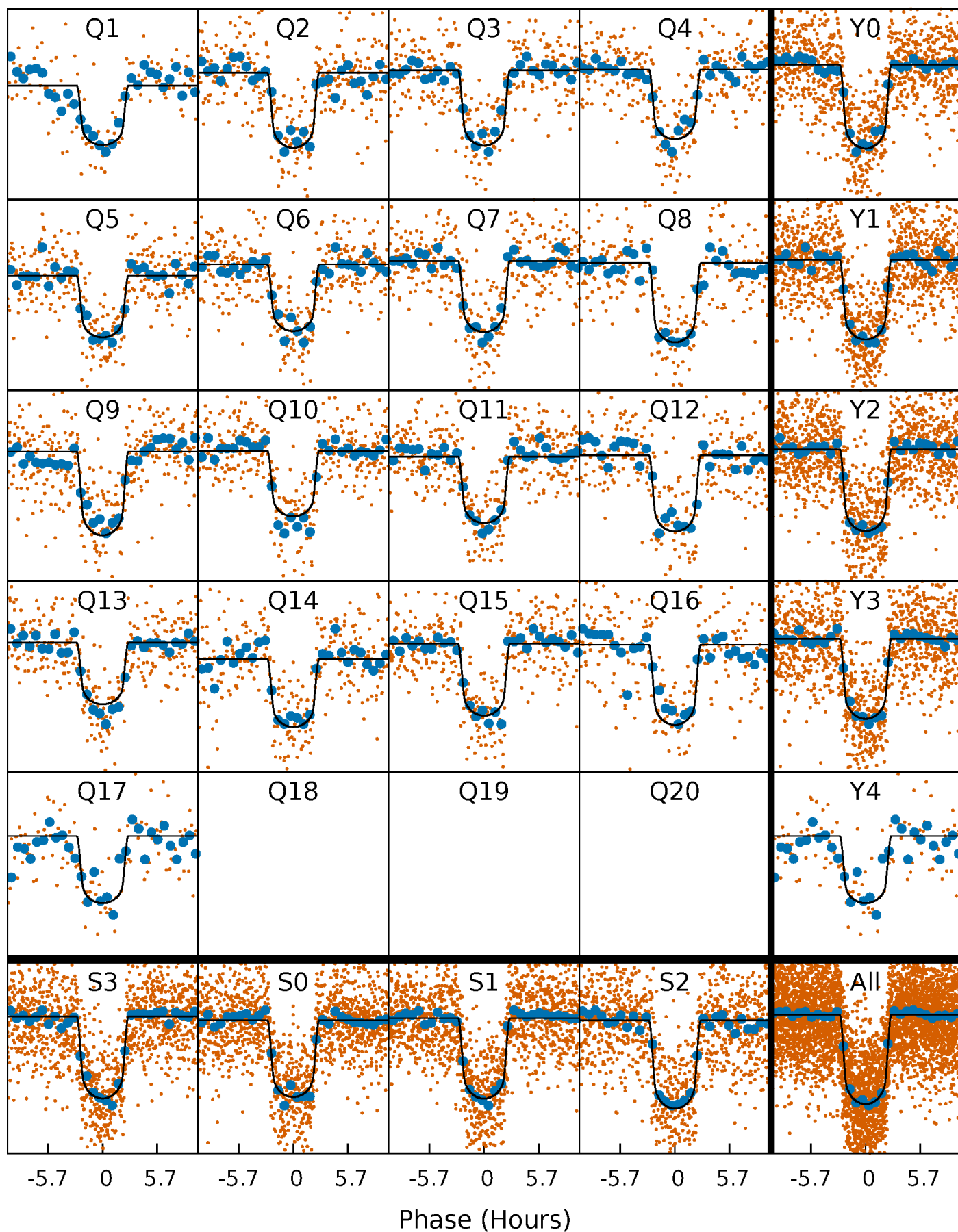
PDC Quarter-Phased Transit Curves

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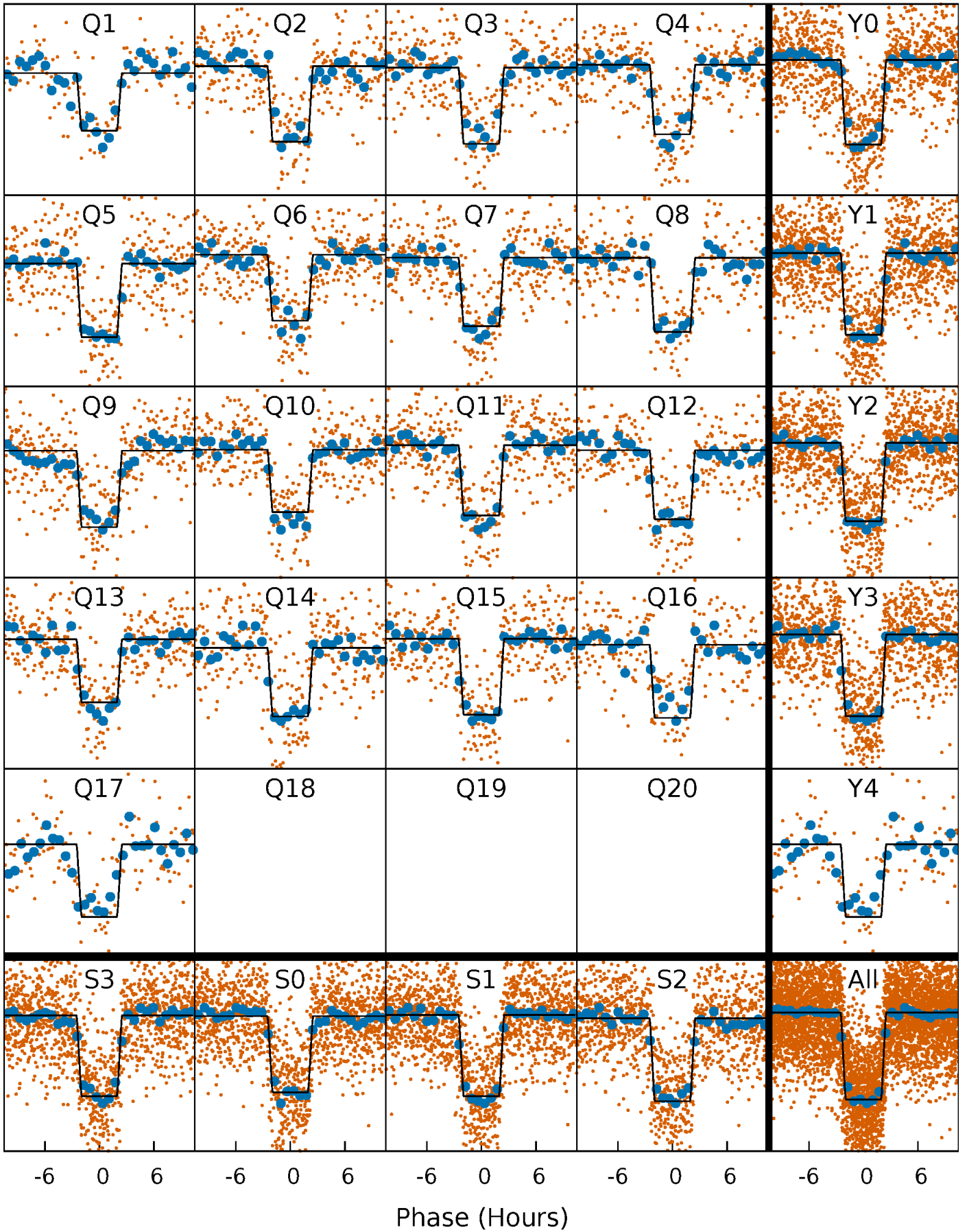
DV Quarter-Phased Transit Curves

TCE 008292840-02 P= 10.495668 Days $T_0=141.305619$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

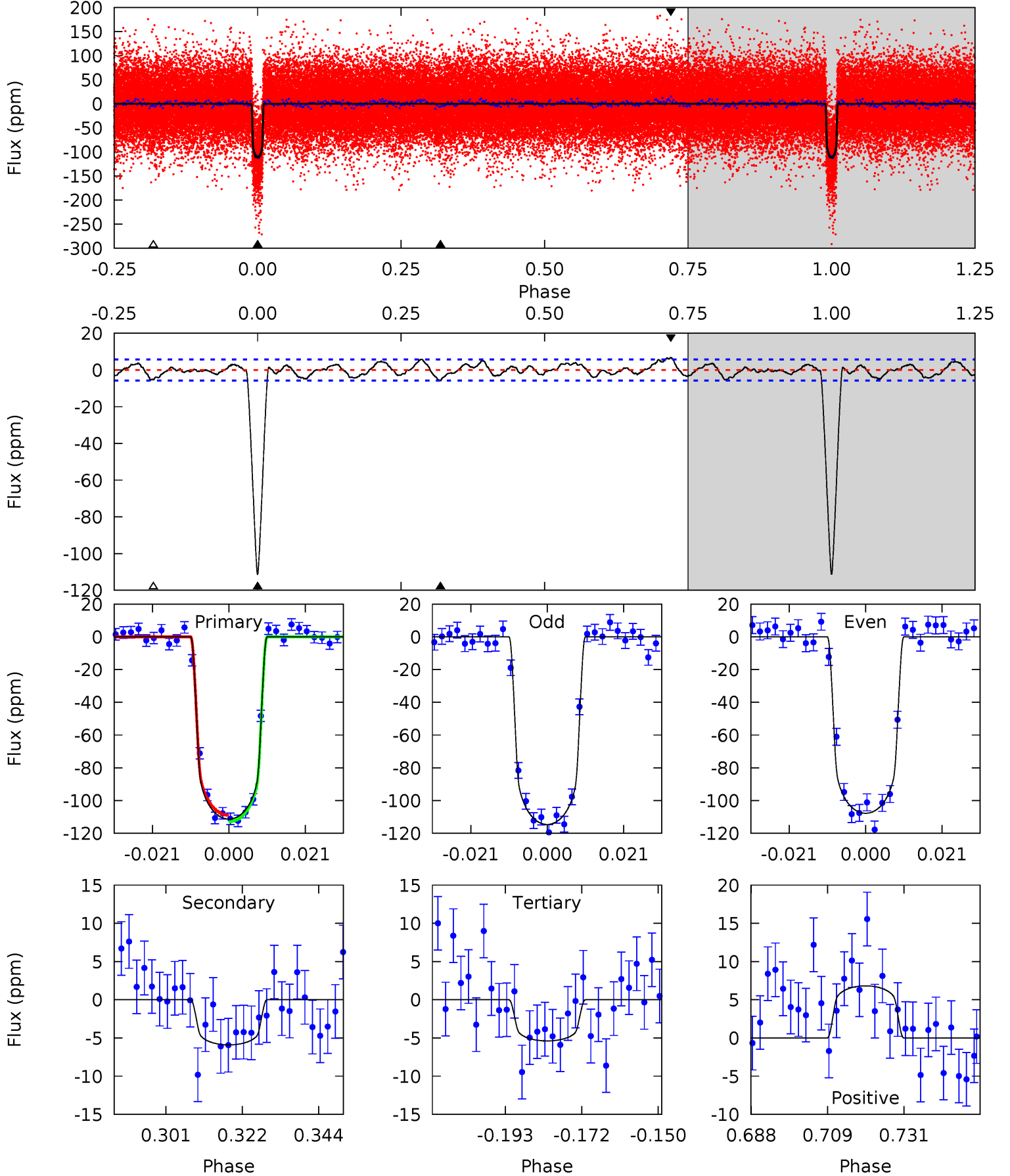
TCE 008292840-02 P= 10.495803 Days $T_0=141.295861$ (BKJD)



DV Model-Shift Uniqueness Test

008292840-02, $P = 10.495668$ Days, $E = 130.809951$ Days

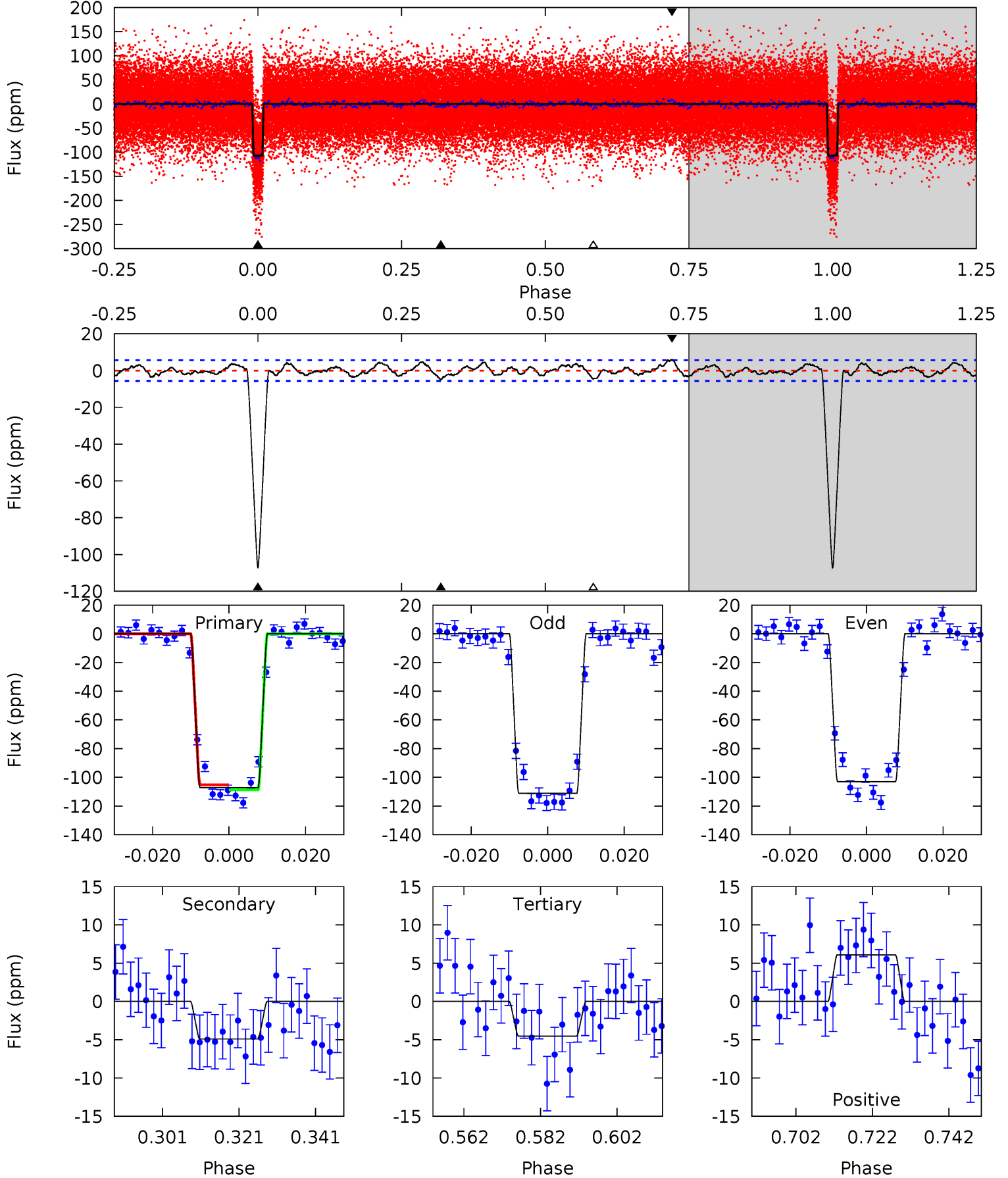
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
95.3	5.05	4.61	5.84	4.88	2.30	2.15	90.7	89.5	0.44	-0.78	2.93	1.02	0.06	1.69



Alt Model-Shift Uniqueness Test

008292840-02, $P = 10.495803$ Days, $E = 130.800058$ Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
93.2	4.26	3.94	5.30	4.89	2.33	1.81	89.3	87.9	0.32	-1.04	3.55	1.02	0.05	1.53



Stellar Parameters For KIC 008292840

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6214^{+113}_{-87}	$4.238^{+0.033}_{-0.027}$	$-0.160^{+0.100}_{-0.100}$	$1.297^{+0.074}_{-0.054}$	$1.059^{+0.087}_{-0.047}$	$0.683^{+0.083}_{-0.074}$
	+2%/-1%	+1%/-1%	+62%/-62%	+6%/-4%	+8%/-4%	+12%/-11%
Source	SPE8	AST69	SPE69	DSEP		

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

Secondary Eclipse Parameters for KIC 008292840-02 / KOI 0260.01

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-6 ± 1	$1.61^{+0.09}_{-0.09}$	1407^{+31}_{-27}	3381^{+111}_{-127}	12^{+3}_{-3}
Alt.	-5 ± 1	$1.48^{+0.09}_{-0.08}$	1410^{+28}_{-27}	3373^{+130}_{-152}	11^{+3}_{-3}

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

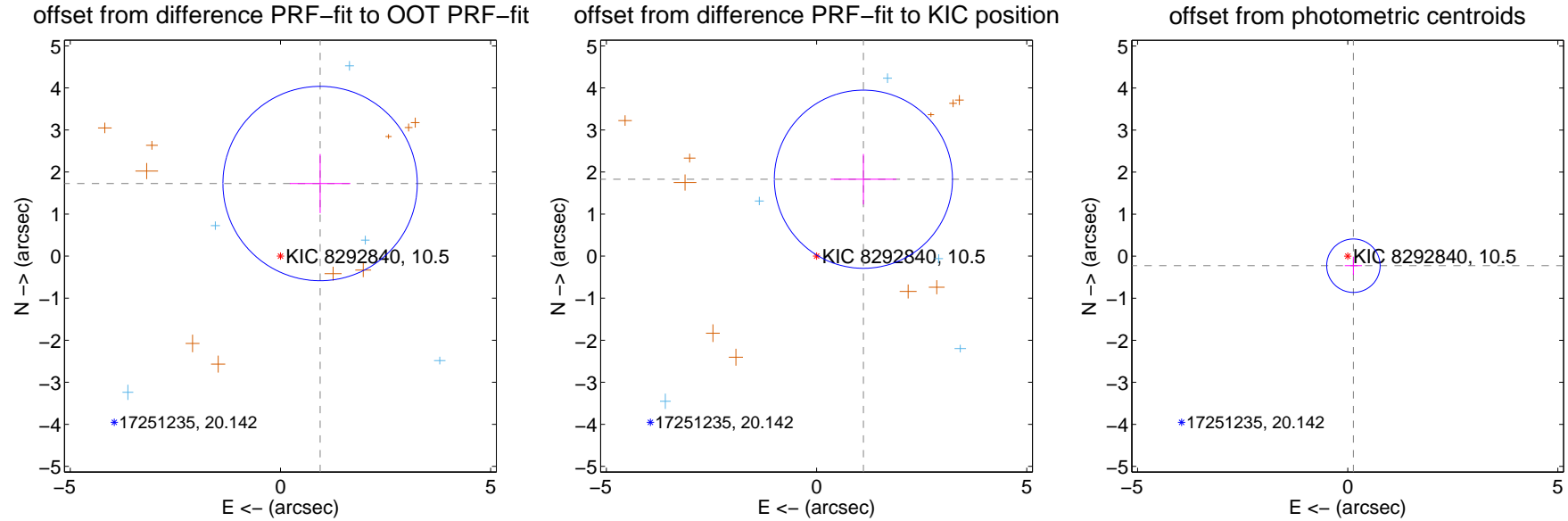
DV Centroid Data

Supplemental centroid analysis for 008292840-02. **Kepler magnitude: 10.50**. Transit SNR 54.39

There are 5 quarters with good PRF difference image offsets

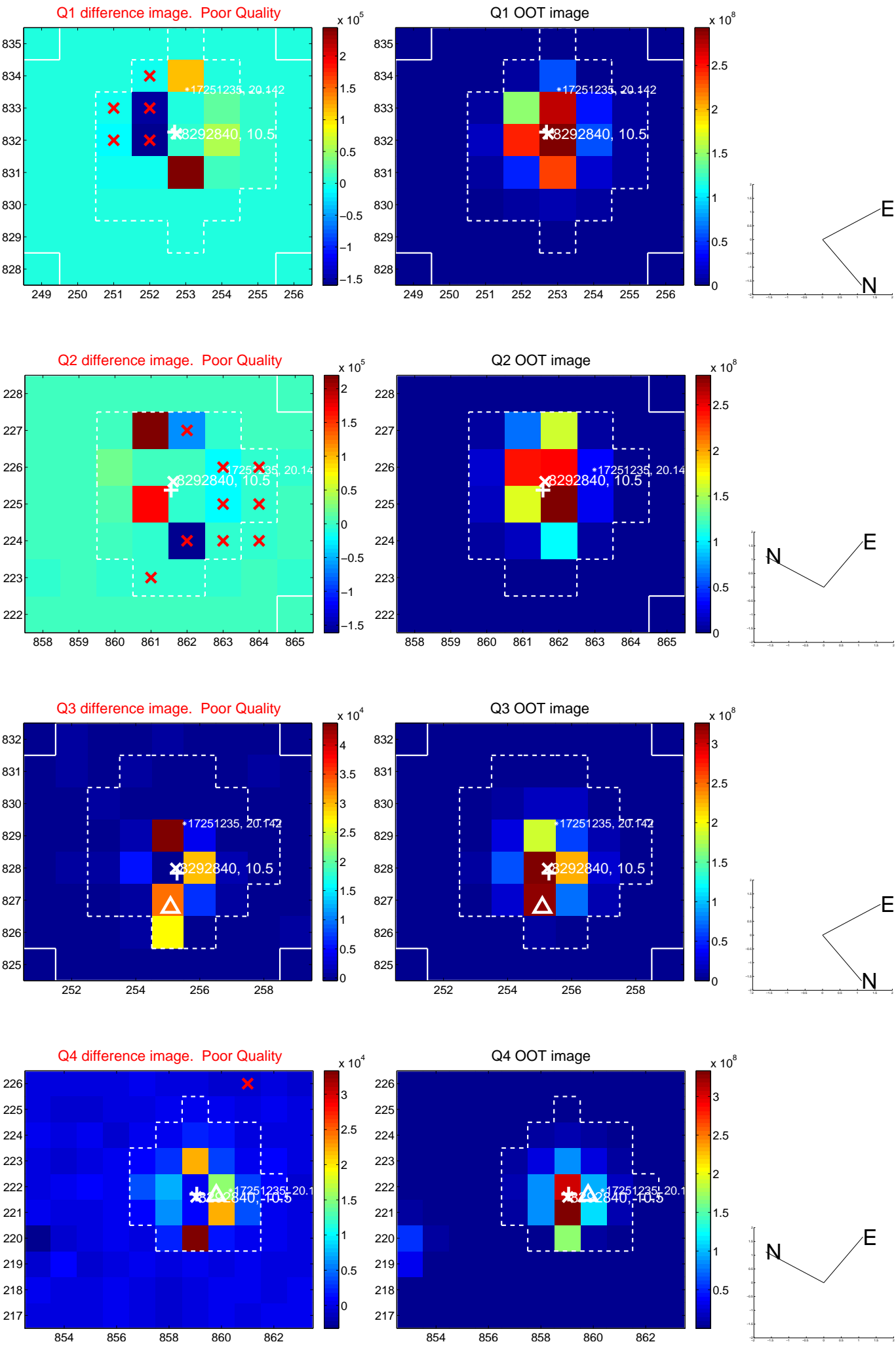
The direct PRF centroid is offset from the target star catalog position by about 0.22 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.967 ± 0.770	2.55	-0.943 ± 0.721	1.726 ± 0.701
PRF-fit source offset from KIC position	2.141 ± 0.706	3.03	-1.114 ± 0.783	1.829 ± 0.601
photometric centroid source offset	0.26 ± 0.21	1.24	-0.14 ± 0.20	-0.23 ± 0.21

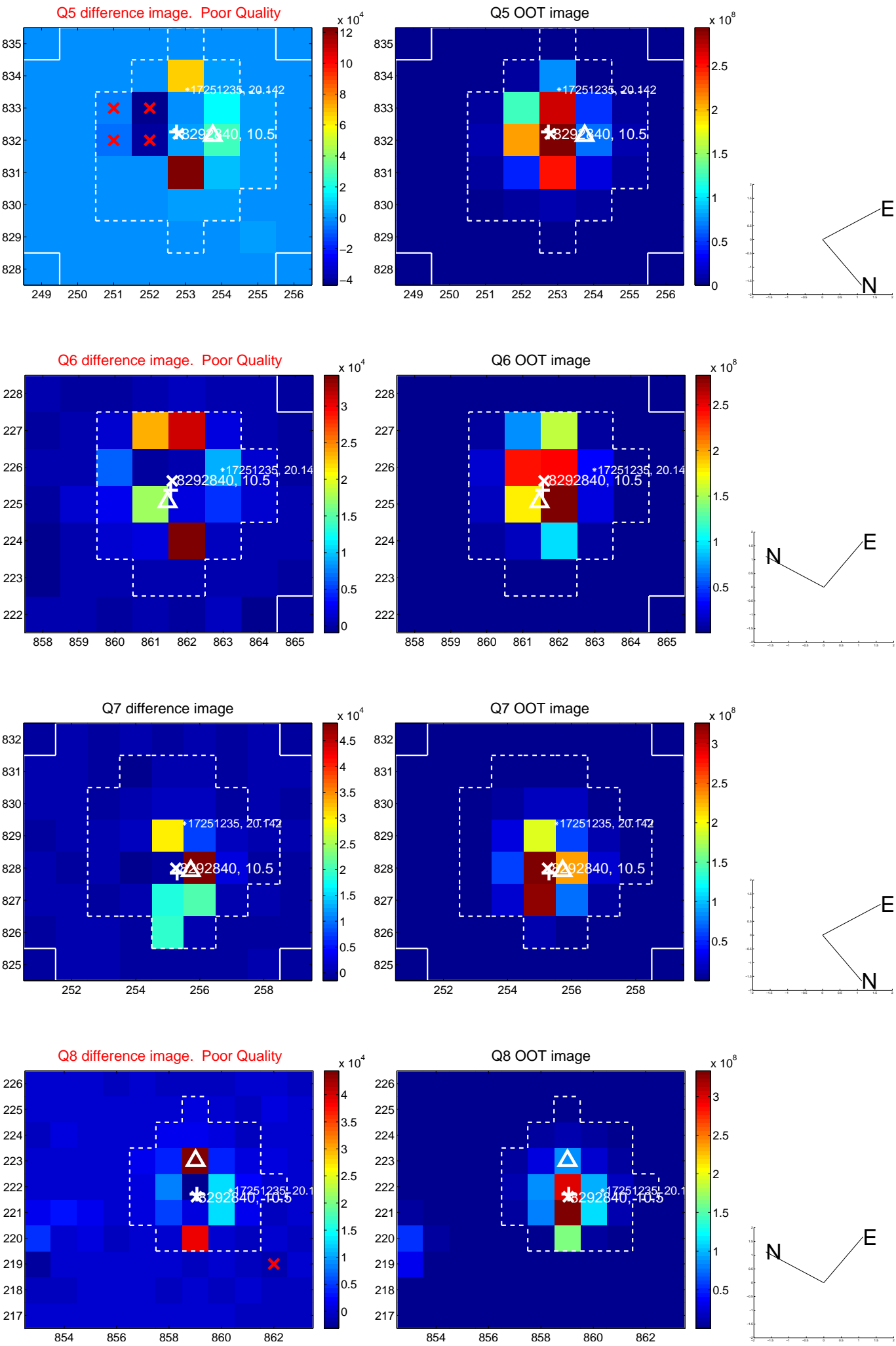


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

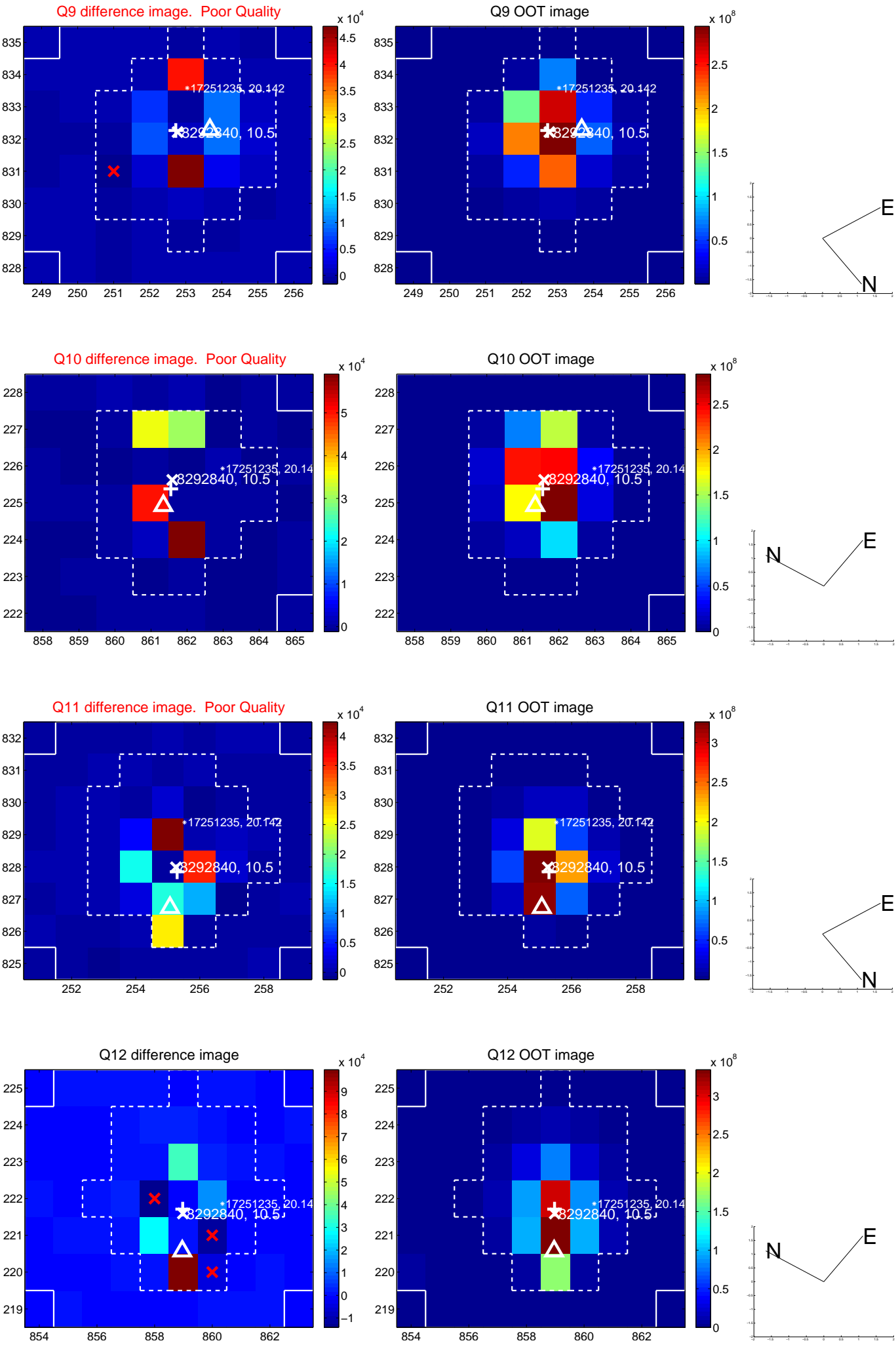
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



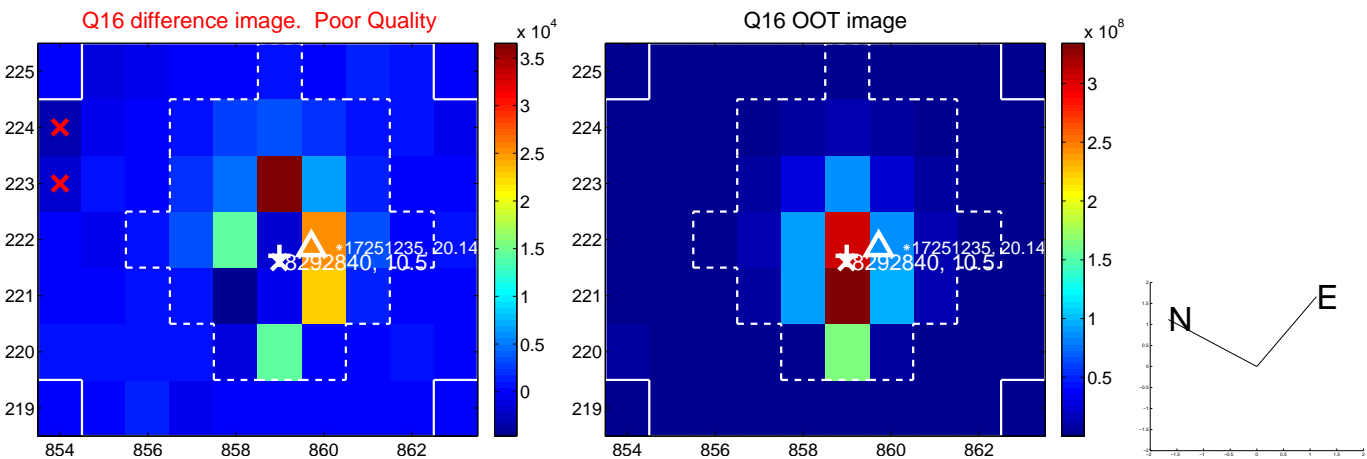
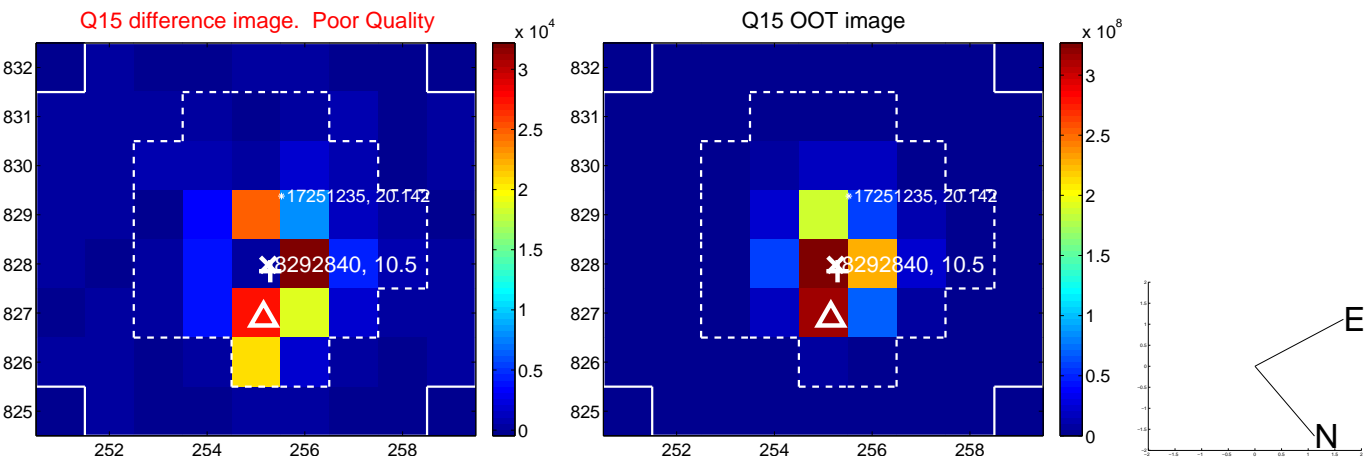
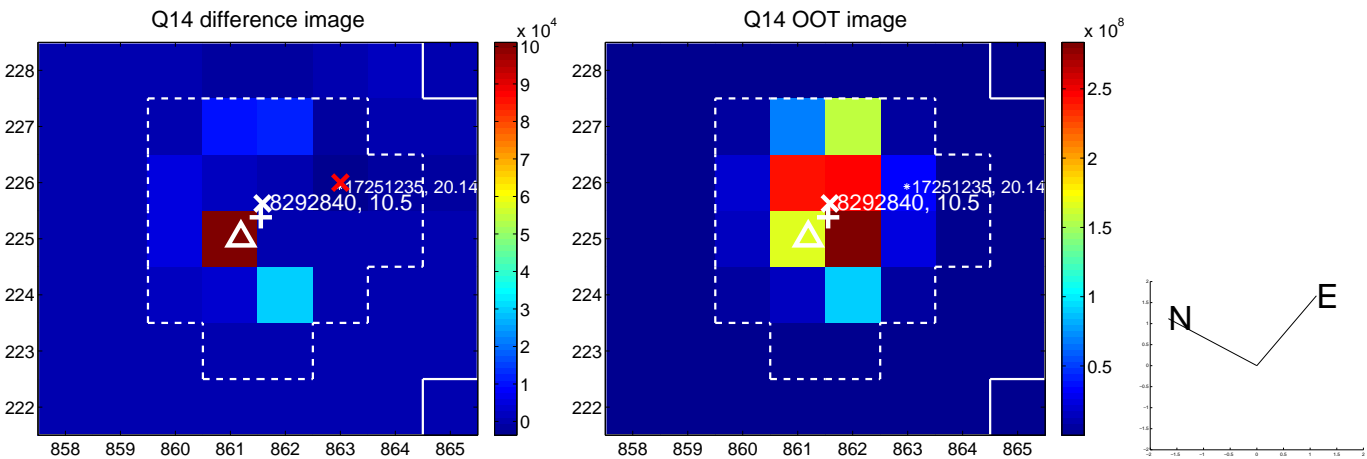
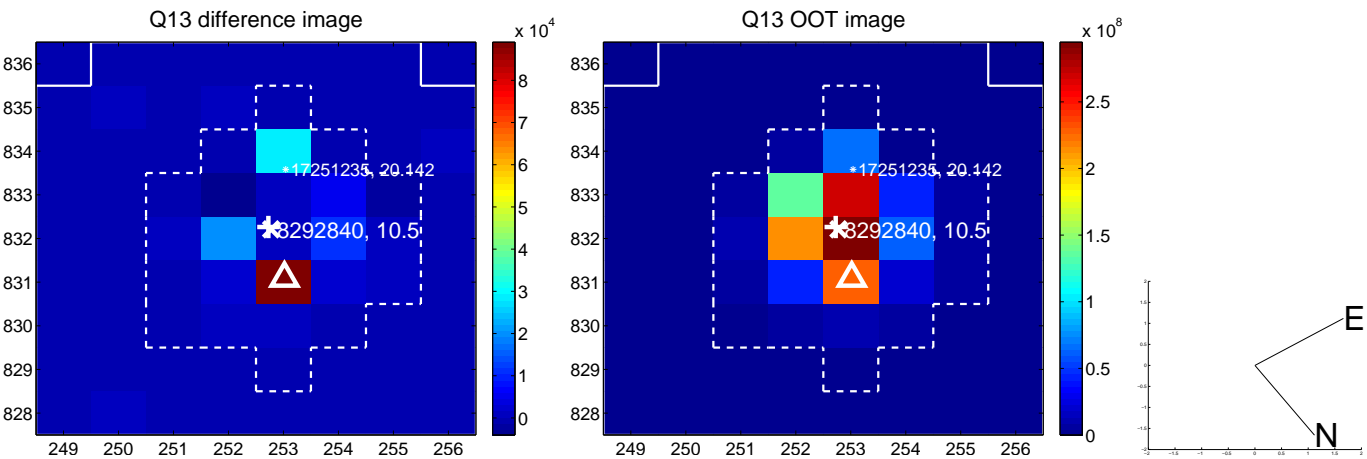
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



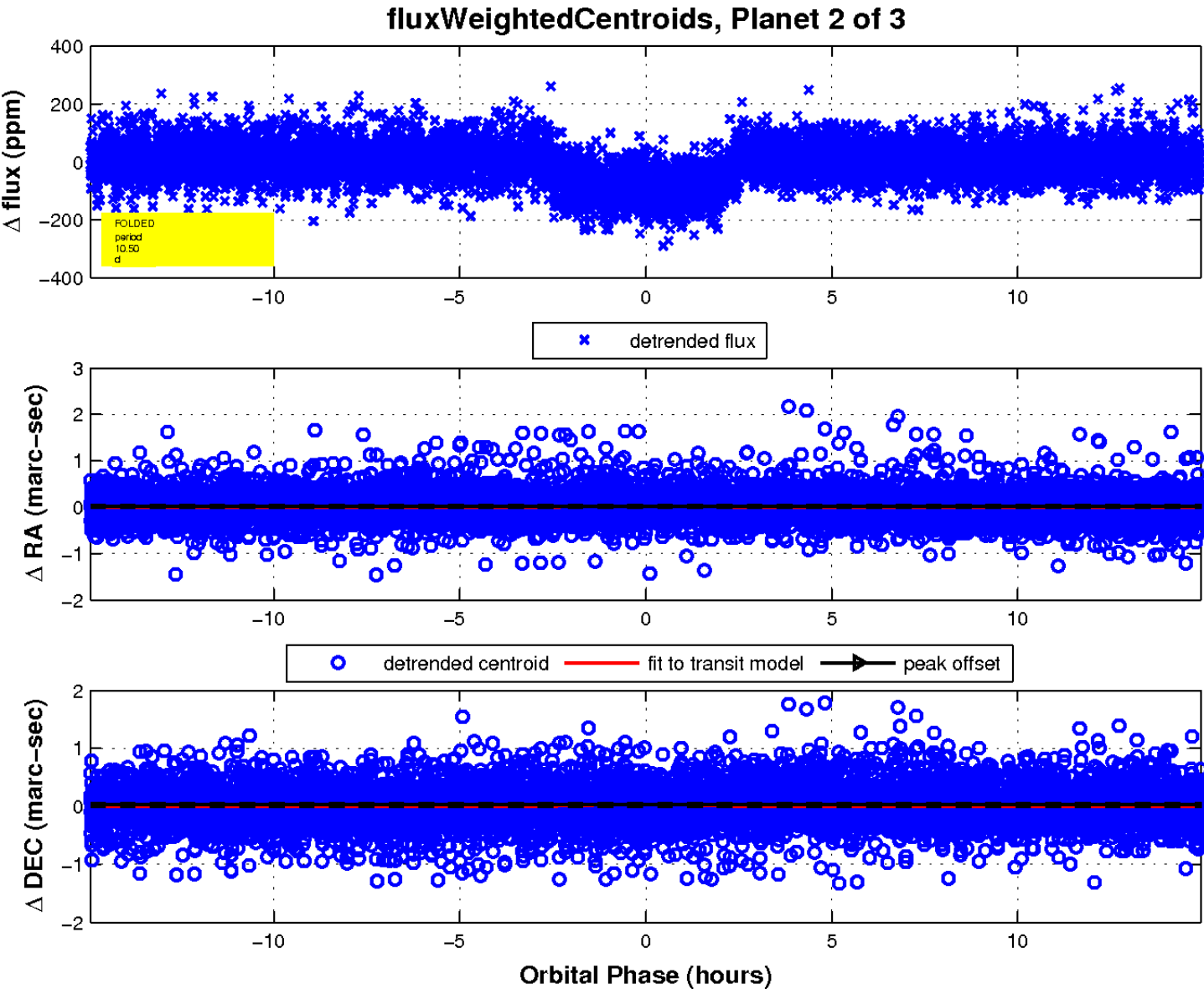
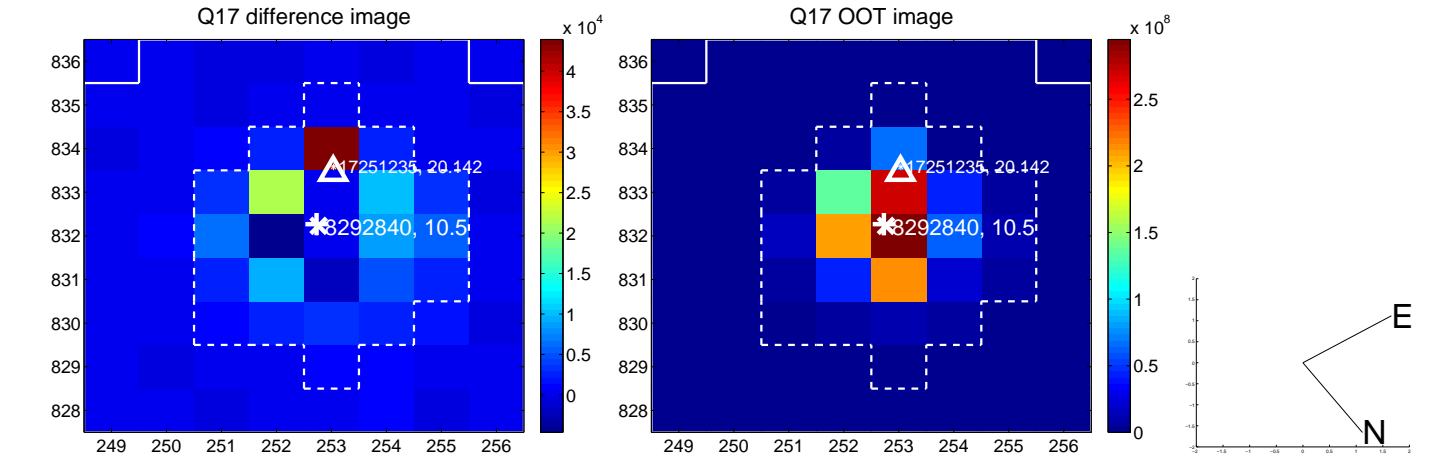
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



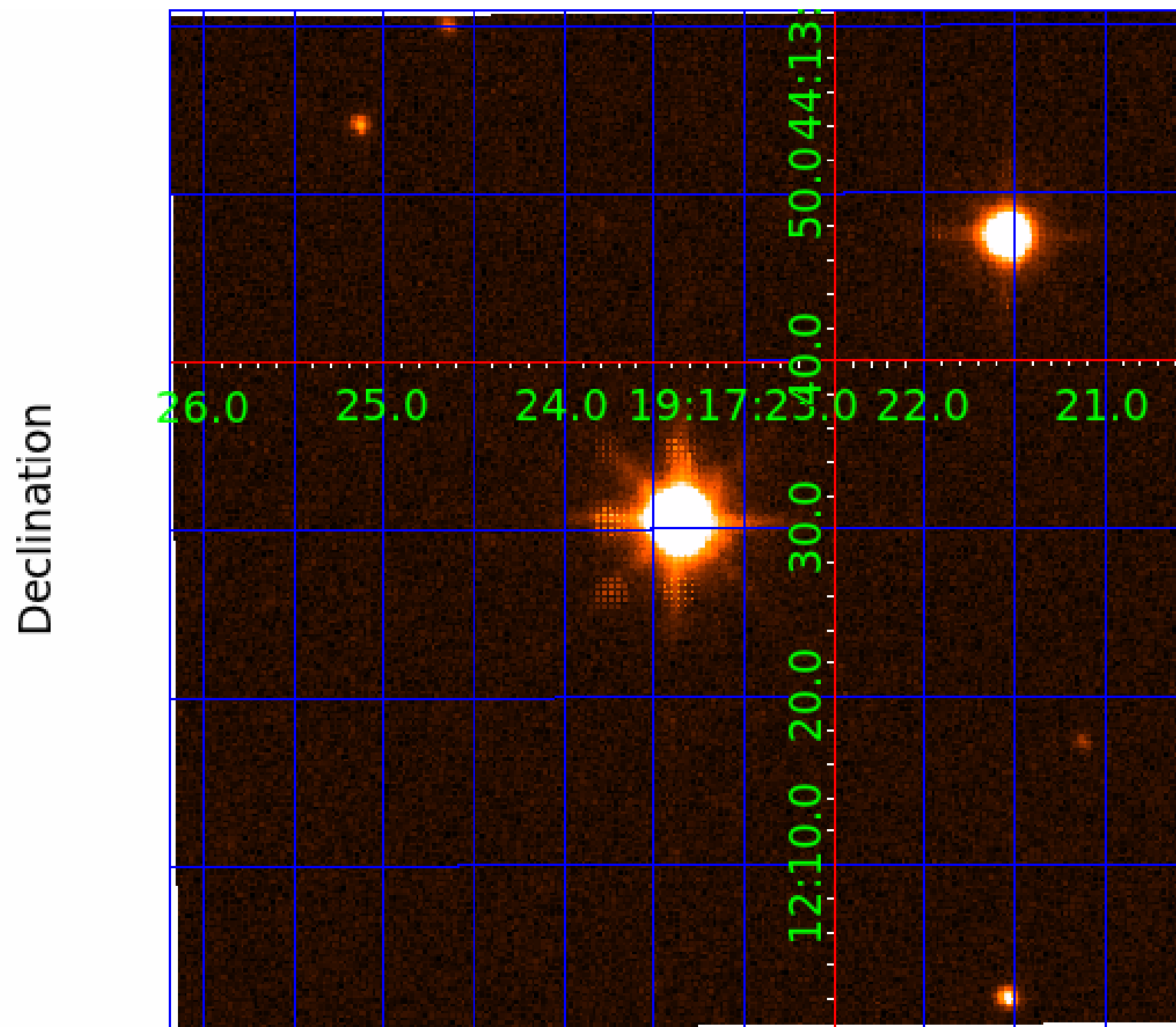
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 008292840

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})
008292840-01	OBS	0260.02	100.282833	144.762131	347.0	10.920	51.9	50.9	1.30	6214	2.56	12.10
008292840-02	OBS	0260.01	10.495668	141.305619	112.4	4.977	50.4	54.4	1.30	6214	1.61	245.28
008292840-03	OBS	0260.03	21.869645	140.295137	118.4	6.069	37.5	40.3	1.30	6214	1.79	92.16

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008292840-01	OBS	PC	1.00	0	0	0	0	CENT_SATURATED
008292840-02	OBS	PC	1.00	0	0	0	0	CENT_SATURATED
008292840-03	OBS	PC	1.00	0	0	0	0	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.

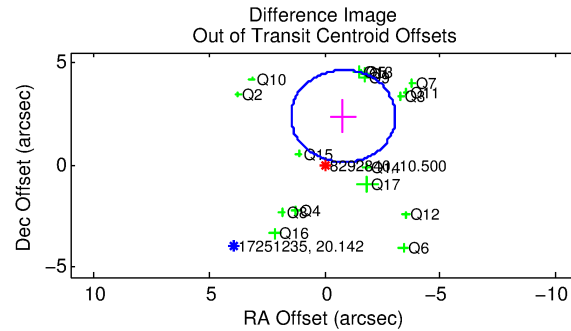
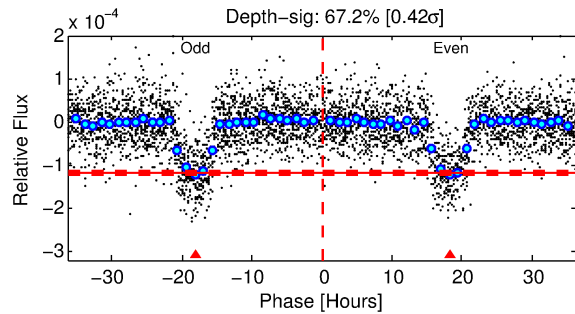
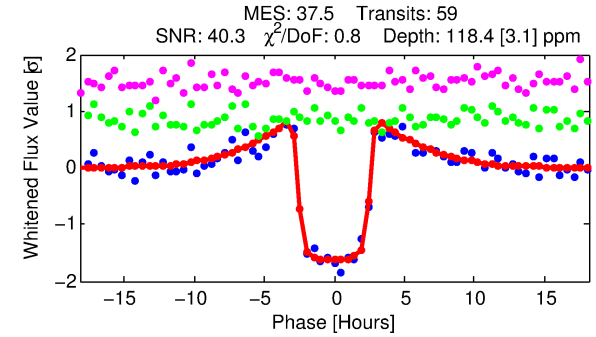
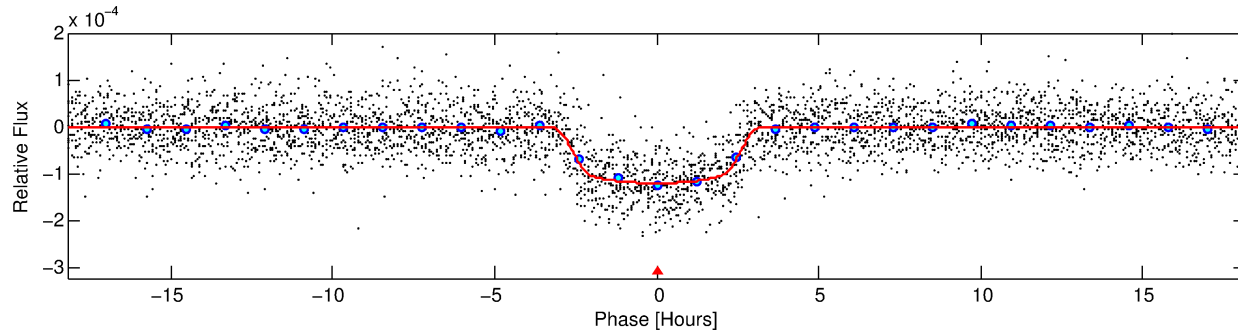
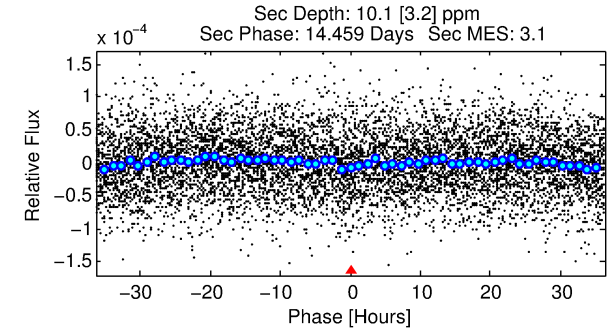
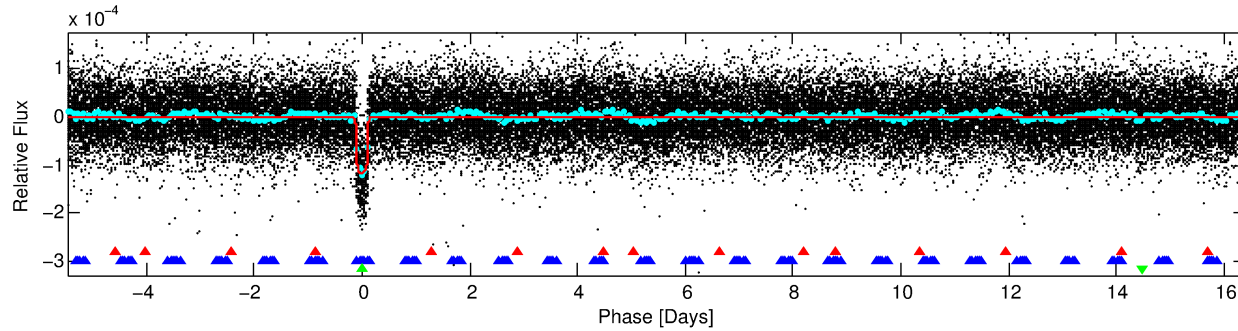
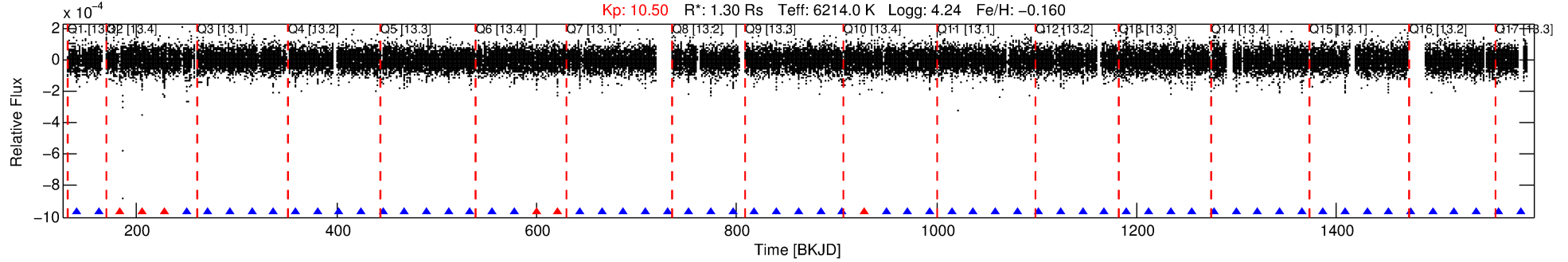
Ephemeris Match Information For 008292840-03

No Significant Match Found

DV One-Page Summary

KIC: 8292840 Candidate: 3 of 3 Period: 21.870 d
KOI: K00260.03 Name: Kepler-126c Corr: 0.949

Kp: 10.50 R*: 1.30 Rs Teff: 6214.0 K Logg: 4.24 Fe/H: -0.160



DV Fit Results:

Period = 21.86965 [0.00006] d
Epoch = 140.2951 [0.0022] BKJD
Rp/R* = 0.0126 [0.0003]
a/R* = 8.93 [0.76]
b = 0.96 [0.01]
Seff = 92.16 [8.89]
Teq = 790 [19] K
Rp = 1.79 [0.11] Re
a = 0.1562 [0.0071] AU
Ag = 42.49 [13.89] [2.99σ]
Teffp = 3119 [256] K [9.06σ]

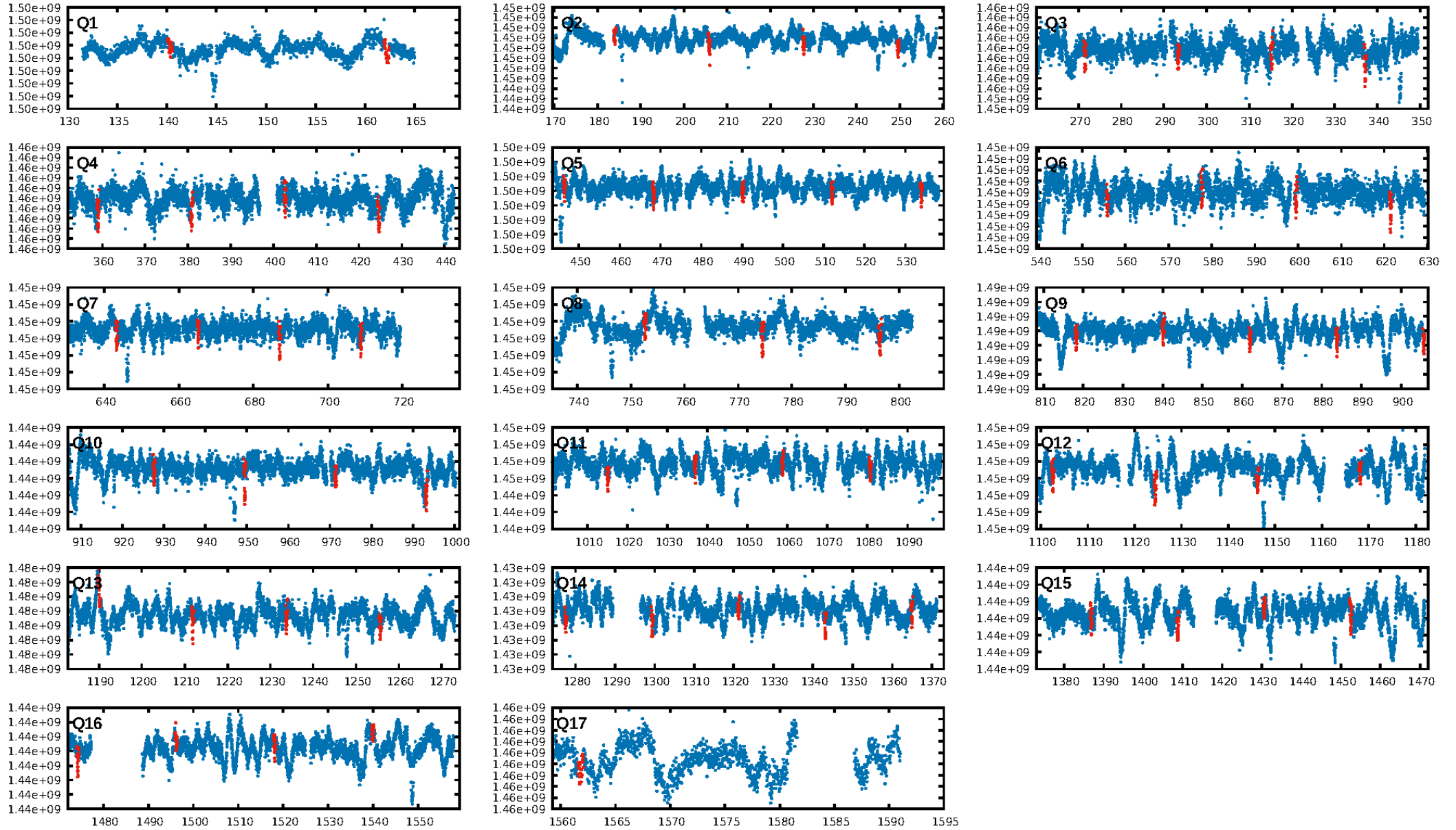
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [34.78σ]
LongPeriod-sig: 100.0% [150.64σ]
ModelChiSquare2-sig: 95.0%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 1.85e-295
RollingBand-fgt: 0.89 [51/57]
GhostDiagnostic-chr: 9.001
Centroid-sig: 0.6%
Centroid-so: 0.531 arcsec [1.91σ]
OotOffset-rm: 2.507 arcsec [3.33σ]
KicOffset-rm: 2.549 arcsec [3.23σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.35 [6/17]
DiffImageOverlap-fno: 1.00 [17/17]

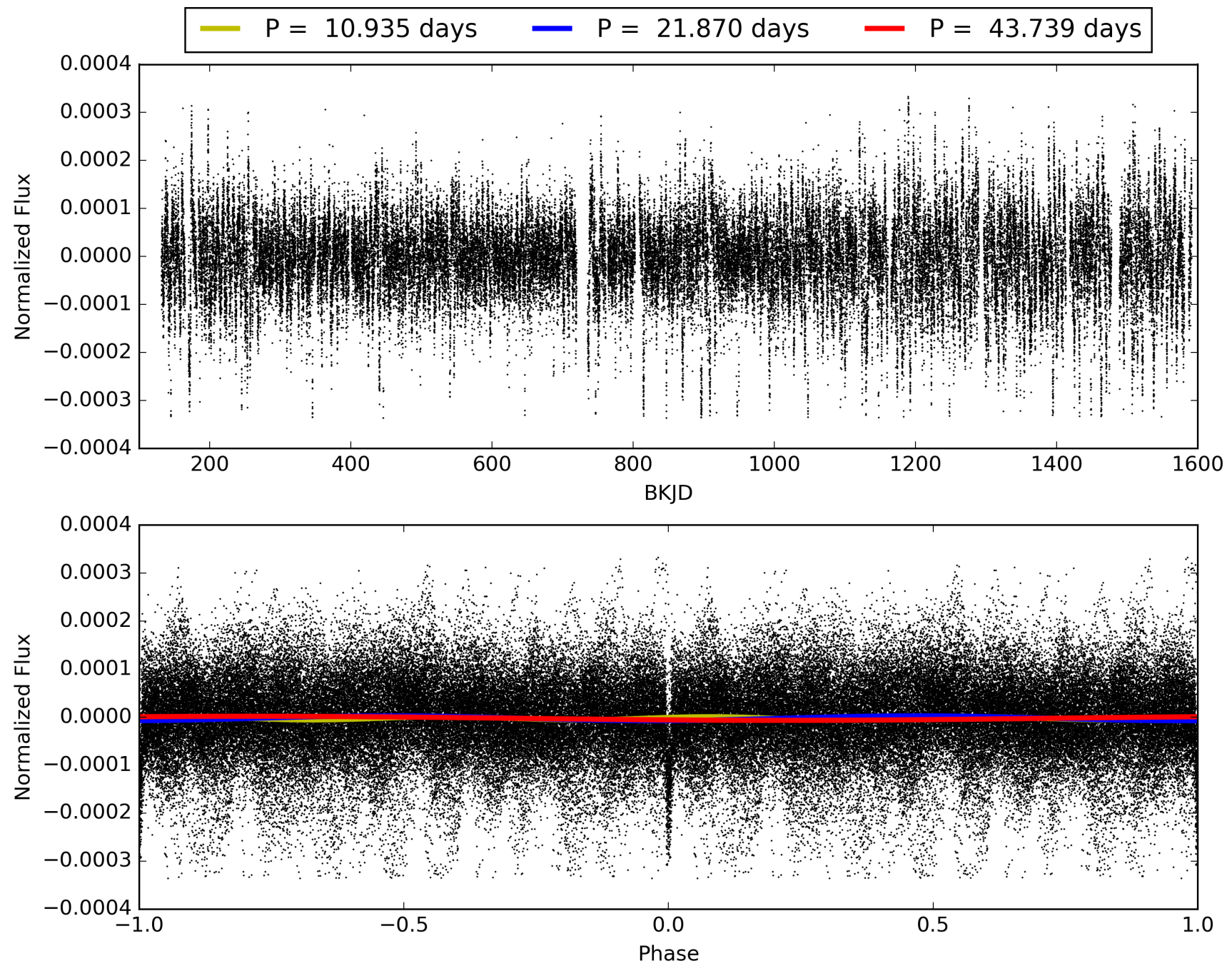
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31-Jan-2016 00:44:24 Z

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

TCE 008292840-03, PDC Light Curves

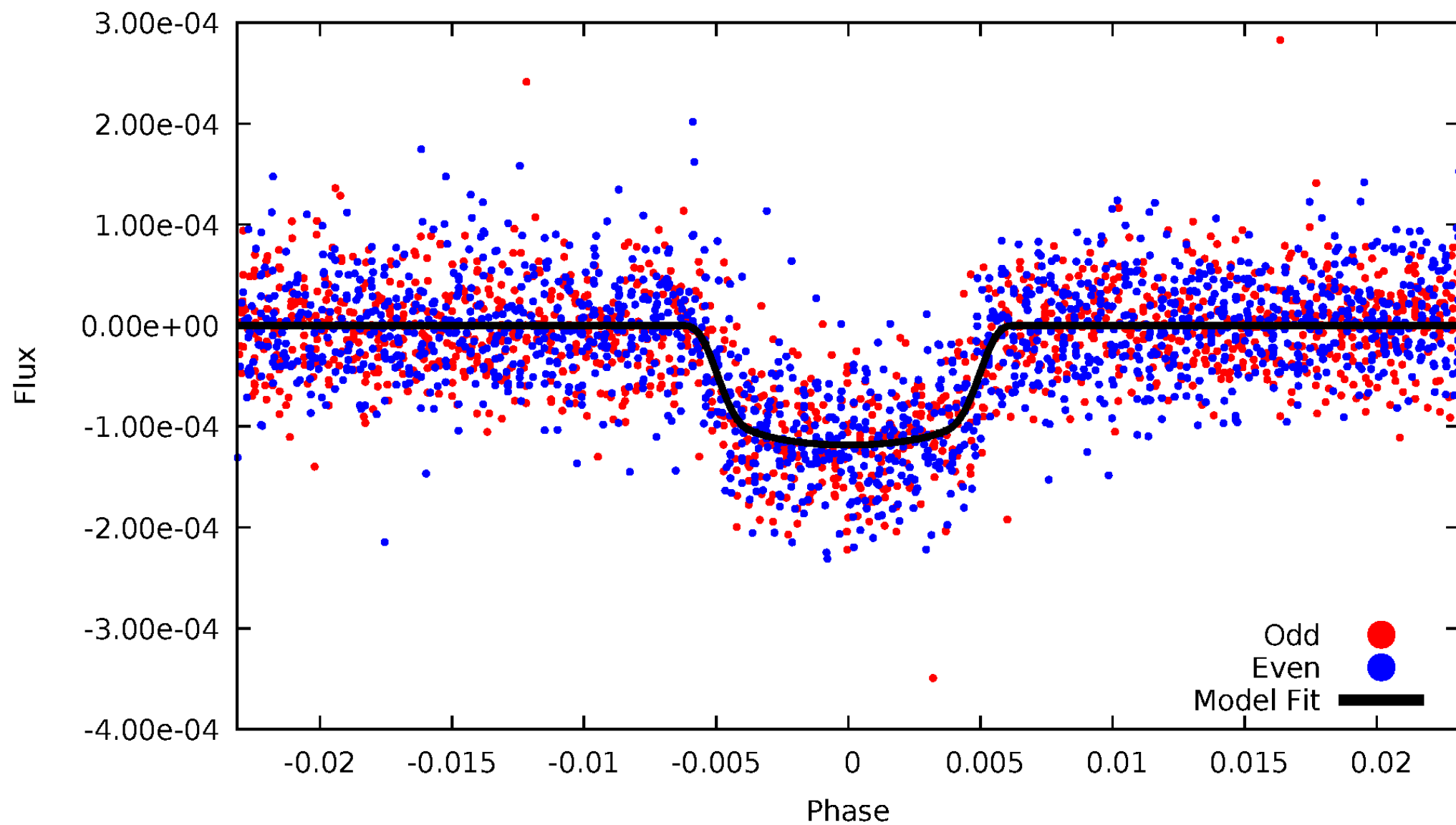


TCE 008292840-03



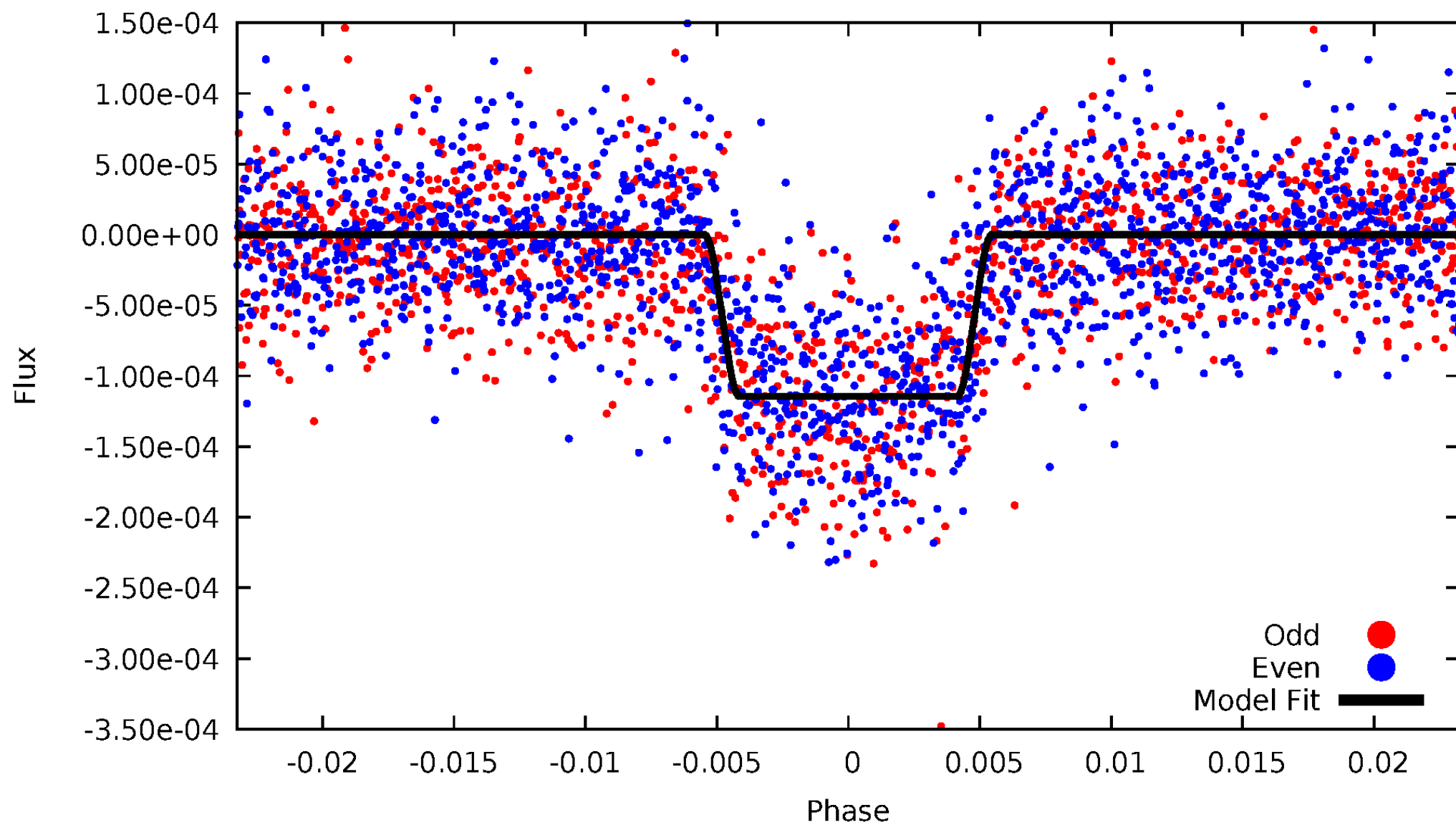
DV Odd/Even

TCE 008292840-03



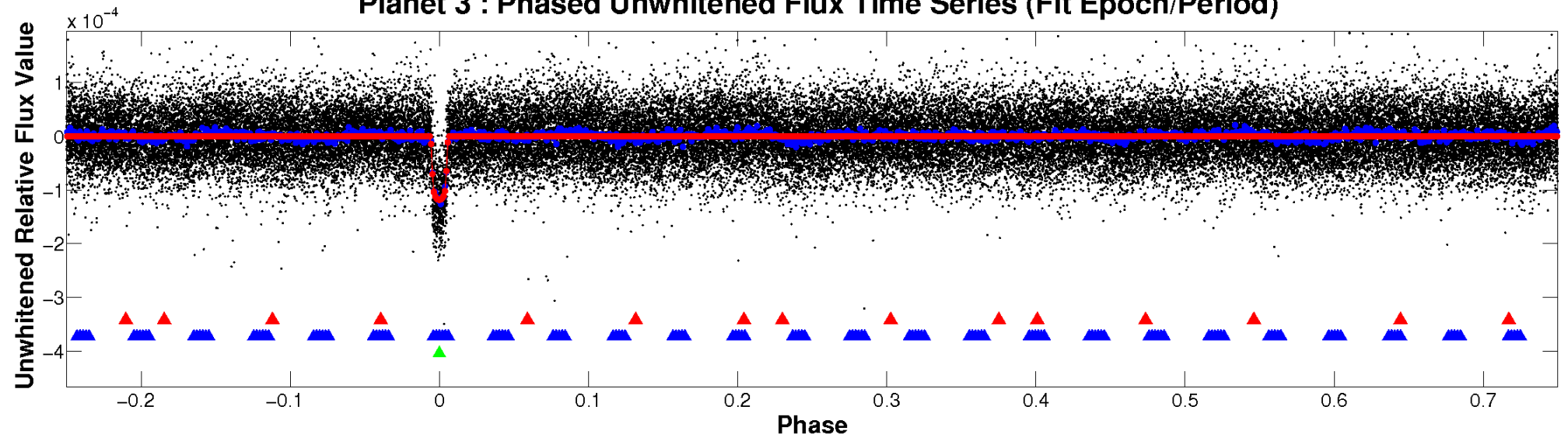
ALT Odd/Even

TCE 008292840-03

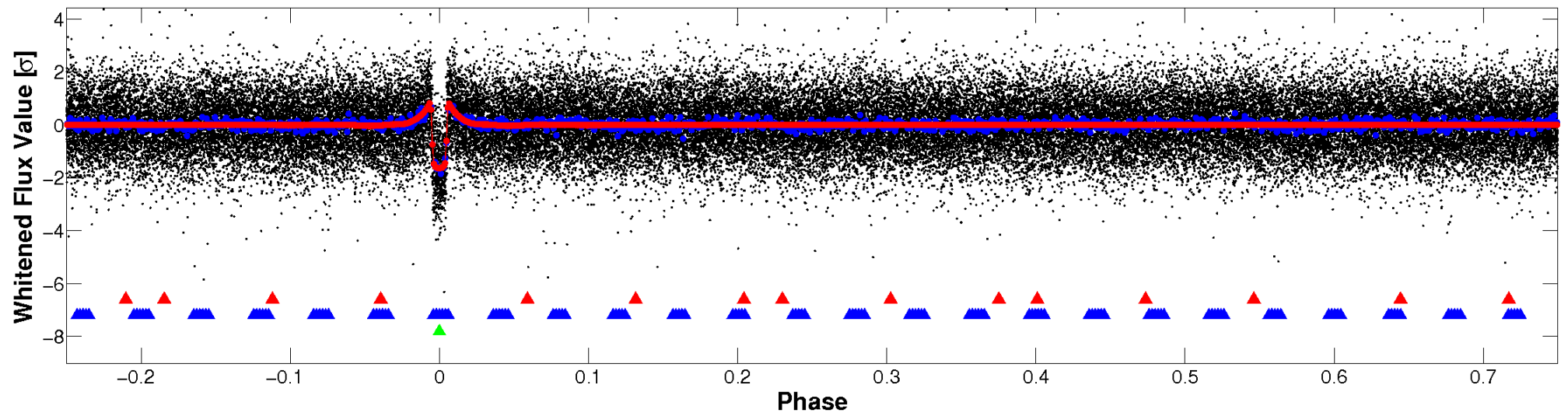


Non-Whitened Vs. Whitened Light Curve

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

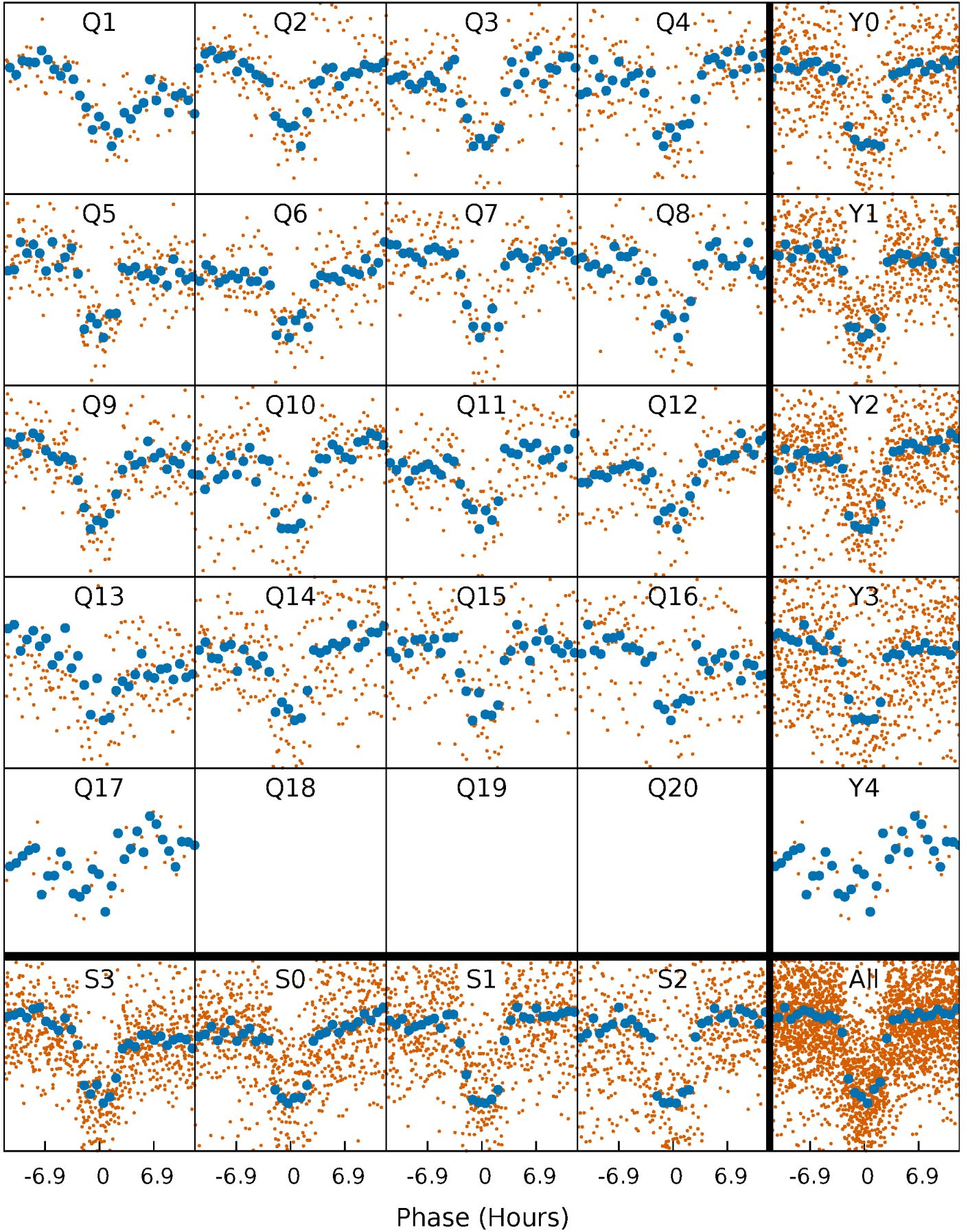


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



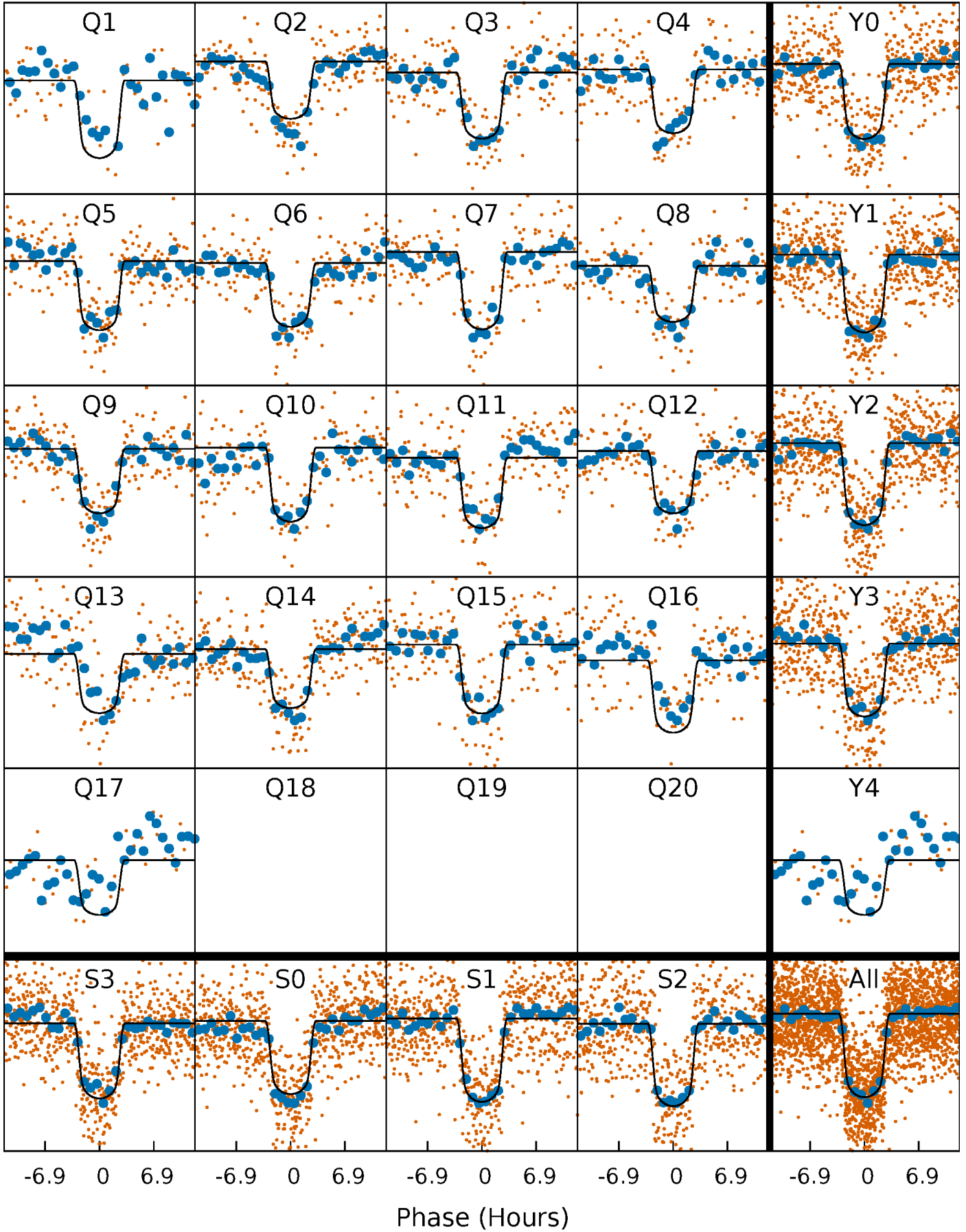
PDC Quarter-Phased Transit Curves

TCE 008292840-03 P= 21.869645 Days $T_0=140.295137$ (BKJD)



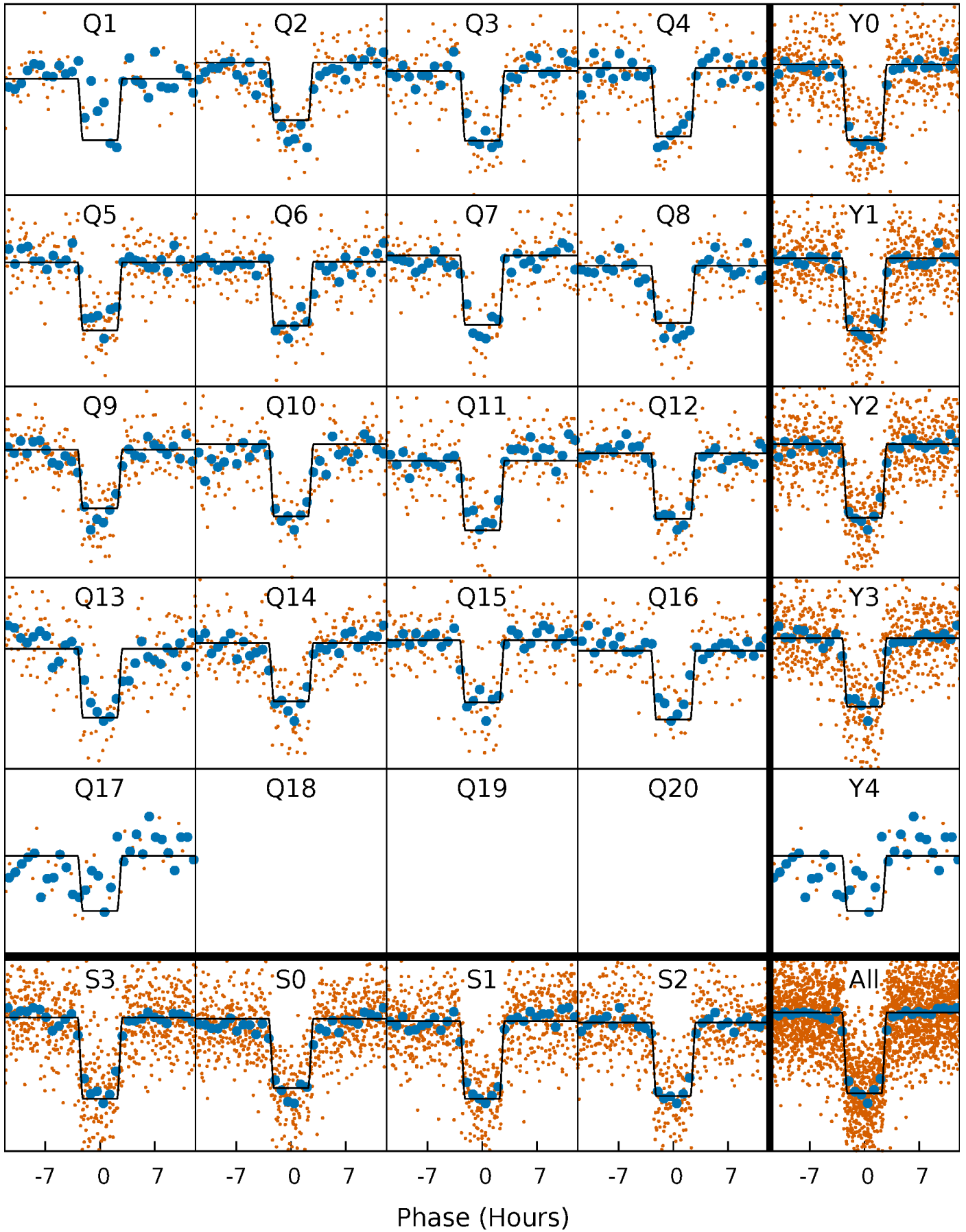
DV Quarter-Phased Transit Curves

TCE 008292840-03 P= 21.869645 Days $T_0=140.295137$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

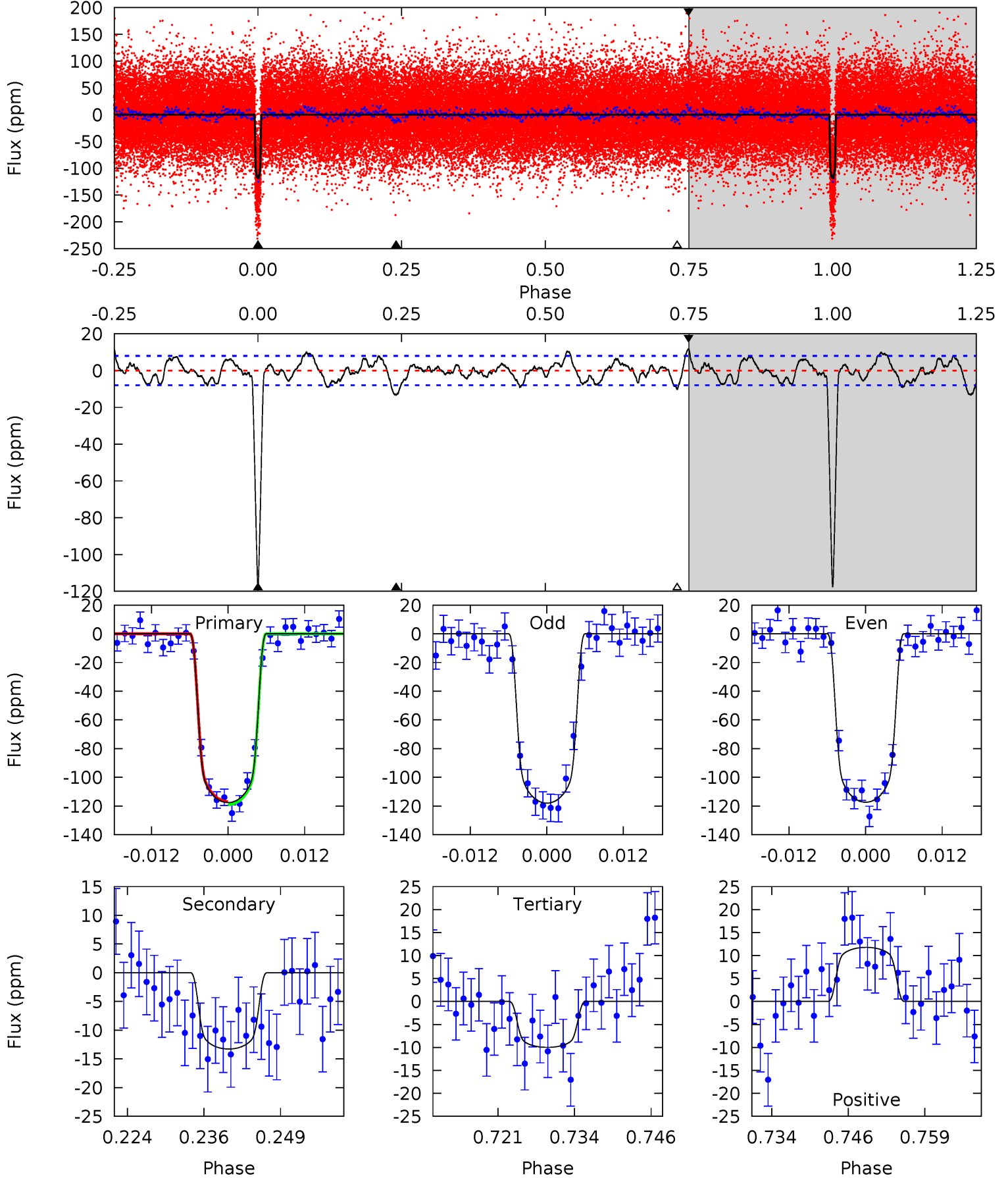
TCE 008292840-03 P= 21.869913 Days $T_0=140.287445$ (BKJD)



DV Model-Shift Uniqueness Test

008292840-03, P = 21.869645 Days, E = 118.425492 Days

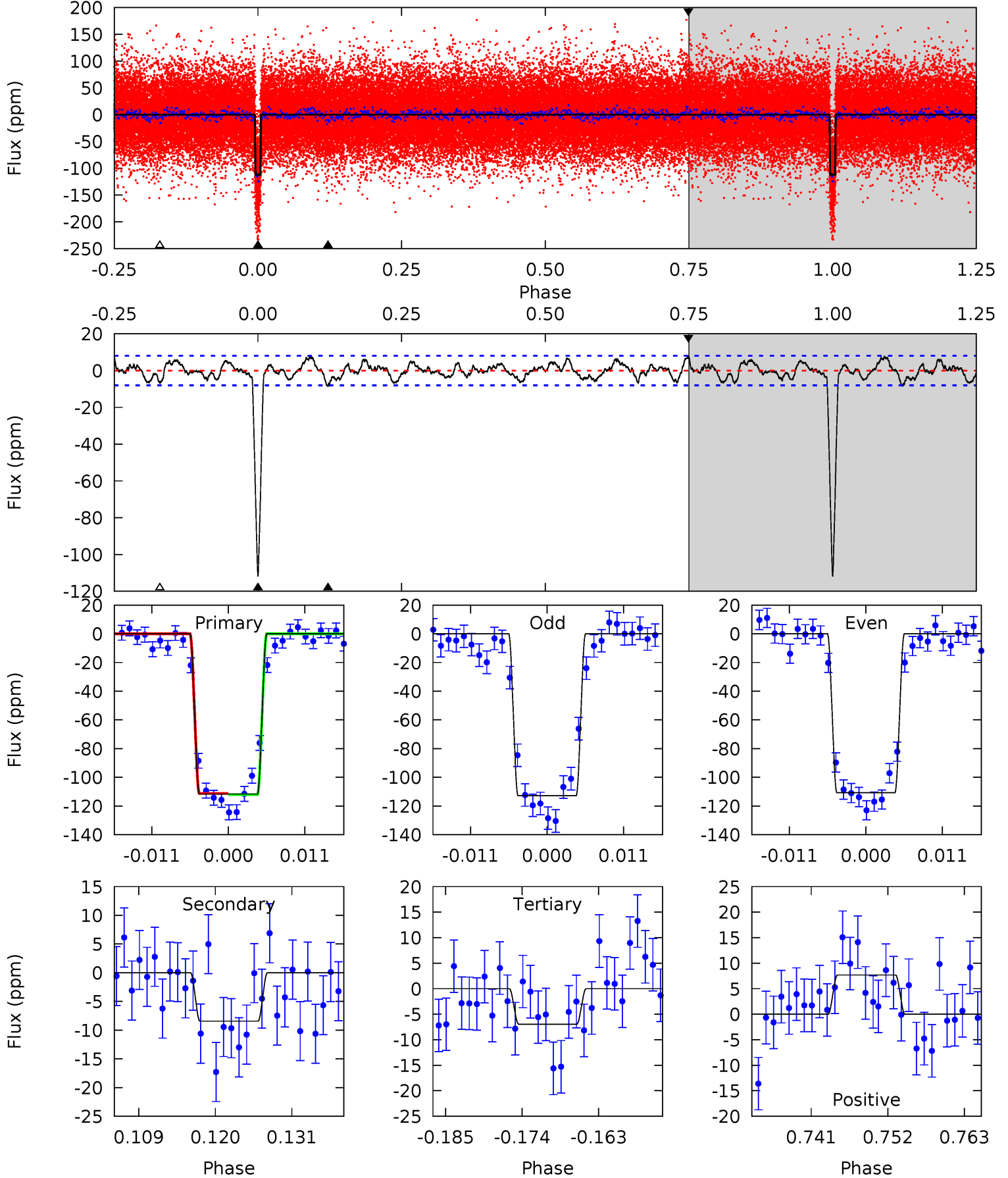
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
73.4	8.29	6.24	7.36	4.98	2.50	2.63	67.2	66.1	2.05	0.94	0.19	0.98	0.09	0.65



Alt Model-Shift Uniqueness Test

008292840-03, P = 21.869913 Days, E = 118.417532 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
69.7	5.26	4.34	4.80	5.01	2.55	1.95	65.4	64.9	0.92	0.46	0.67	0.99	0.06	0.24



Stellar Parameters For KIC 008292840

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6214^{+113}_{-87}	$4.238^{+0.033}_{-0.027}$	$-0.160^{+0.100}_{-0.100}$	$1.297^{+0.074}_{-0.054}$	$1.059^{+0.087}_{-0.047}$	$0.683^{+0.083}_{-0.074}$
	+2%/-1%	+1%/-1%	+62%/-62%	+6%/-4%	+8%/-4%	+12%/-11%
Source	SPE8	AST69	SPE69	DSEP		

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

Secondary Eclipse Parameters for KIC 008292840-03 / KOI 0260.03

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-13 ± 2	$1.78^{+0.07}_{-0.06}$	1103^{+22}_{-20}	3738^{+86}_{-90}	56^{+8}_{-7}
Alt.	-8 ± 2	$1.51^{+0.06}_{-0.06}$	1104^{+22}_{-19}	3666^{+121}_{-133}	49^{+10}_{-9}

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

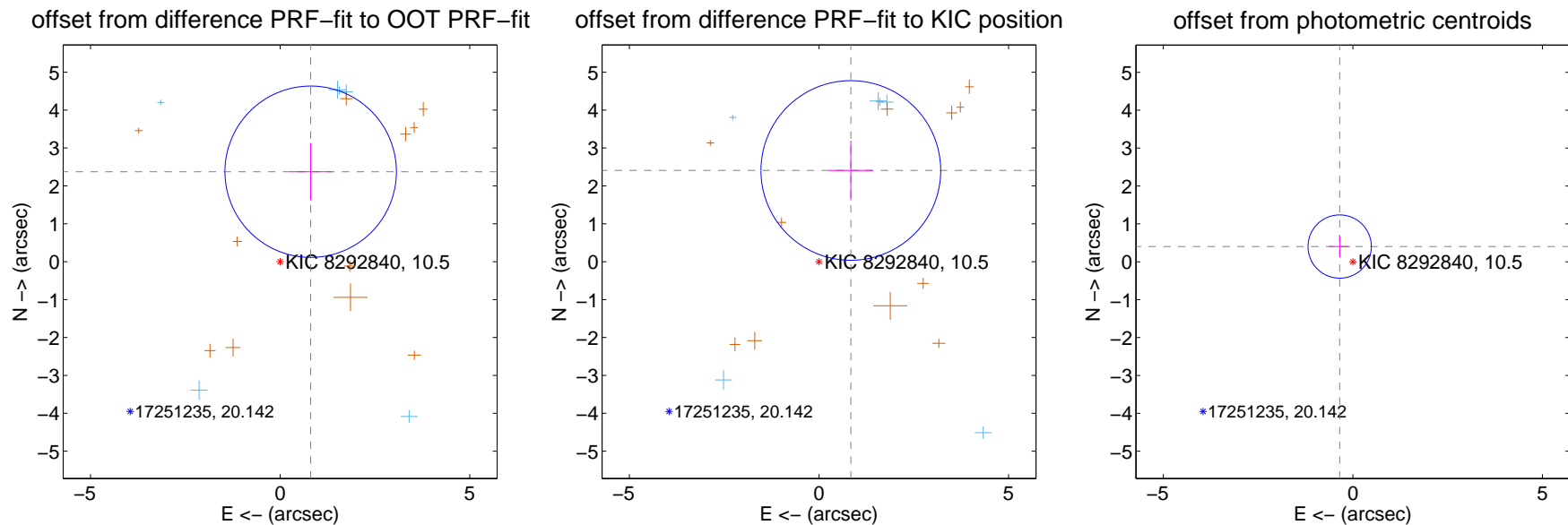
DV Centroid Data

Supplemental centroid analysis for 008292840-03. **Kepler magnitude: 10.50**. Transit SNR 40.26

There are 6 quarters with good PRF difference image offsets

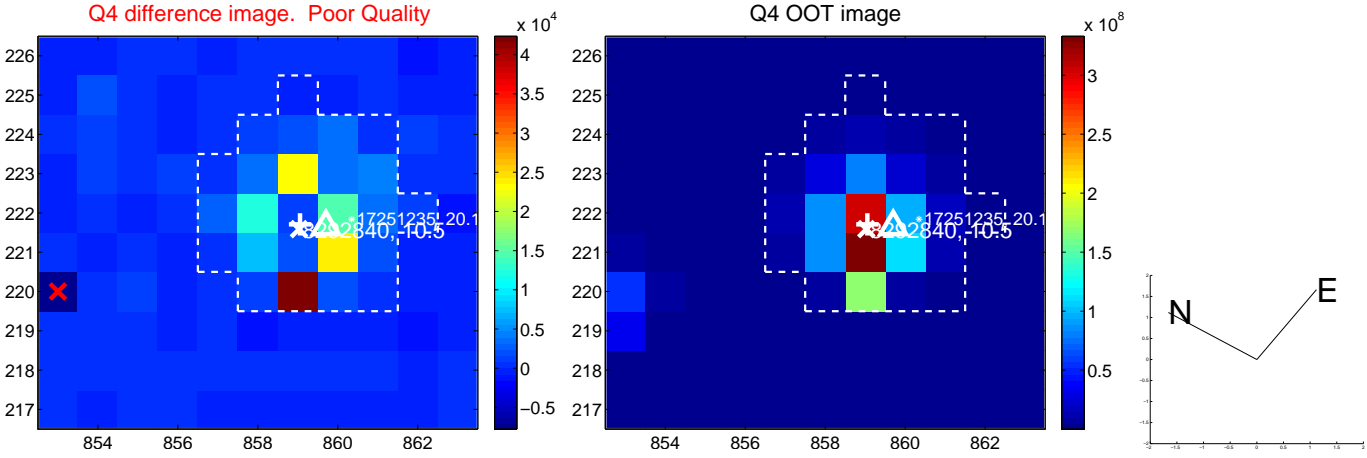
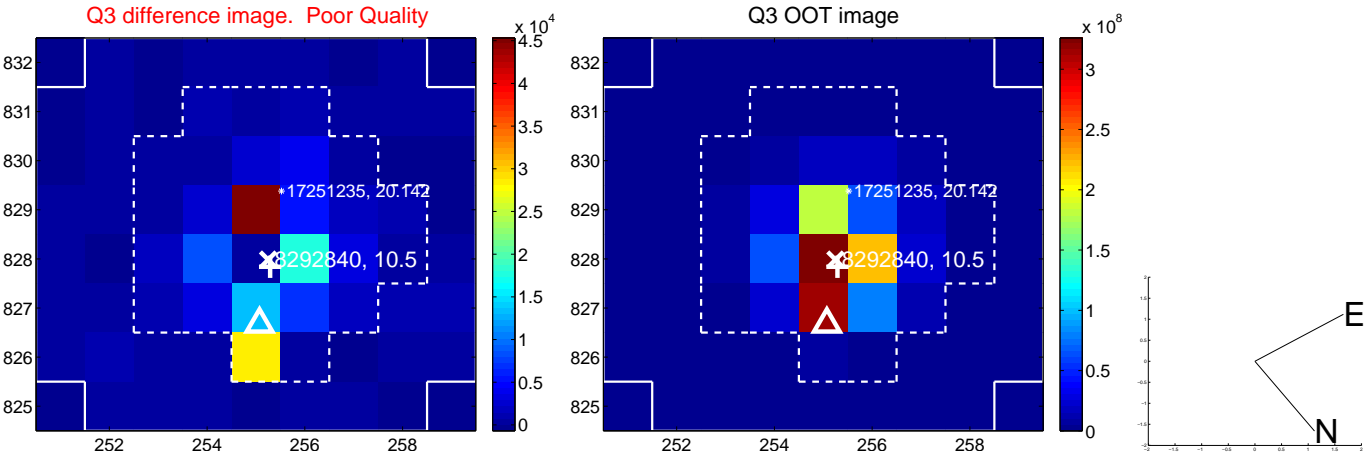
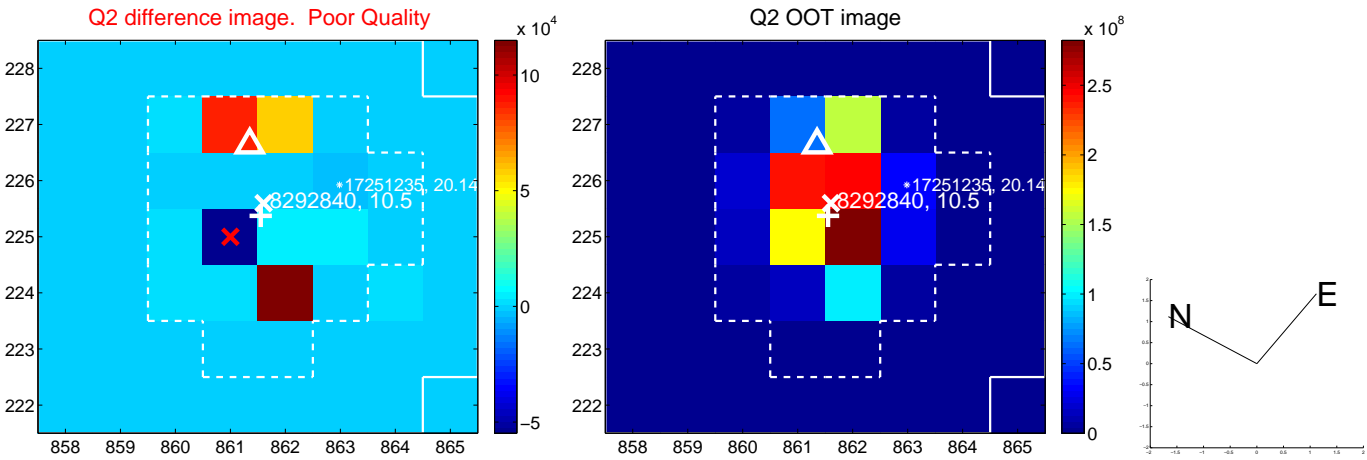
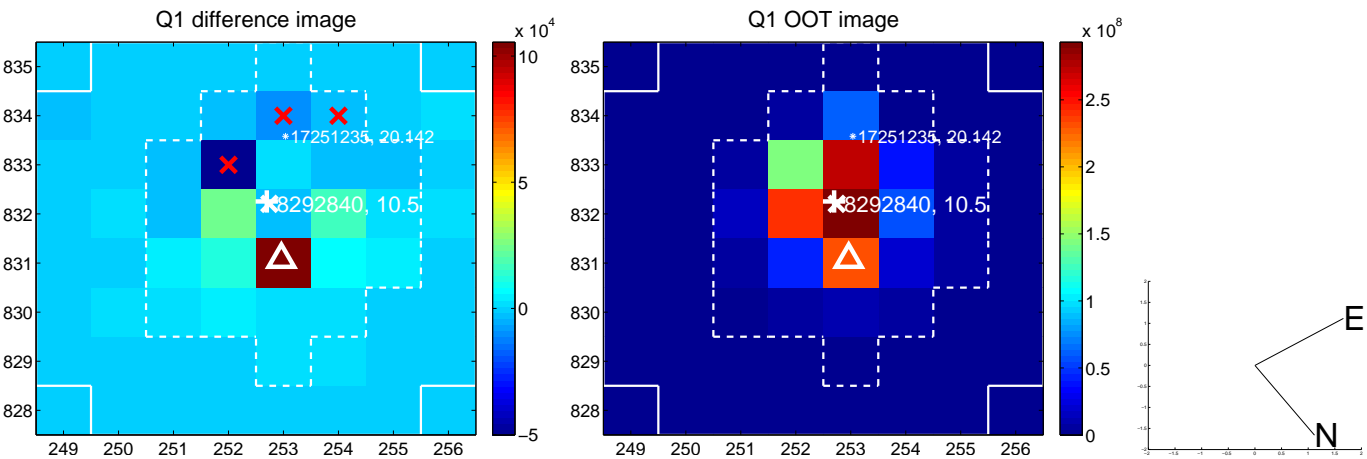
The direct PRF centroid is offset from the target star catalog position by about 0.23 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	2.507 ± 0.753	3.33	-0.806 ± 0.558	2.374 ± 0.758
PRF-fit source offset from KIC position	2.549 ± 0.790	3.23	-0.840 ± 0.586	2.407 ± 0.787
photometric centroid source offset	0.53 ± 0.28	1.91	0.35 ± 0.27	0.40 ± 0.28

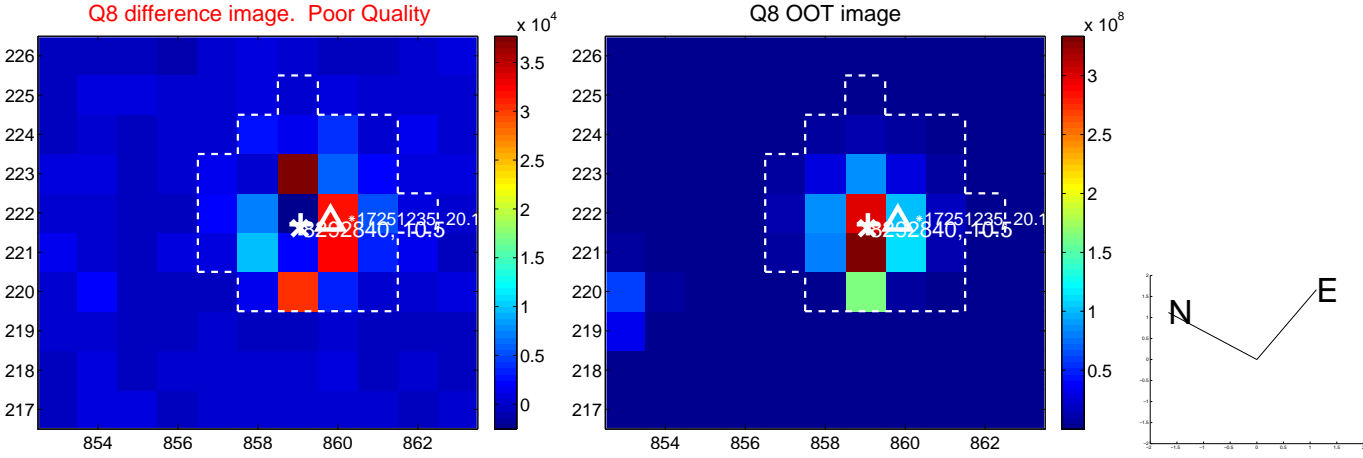
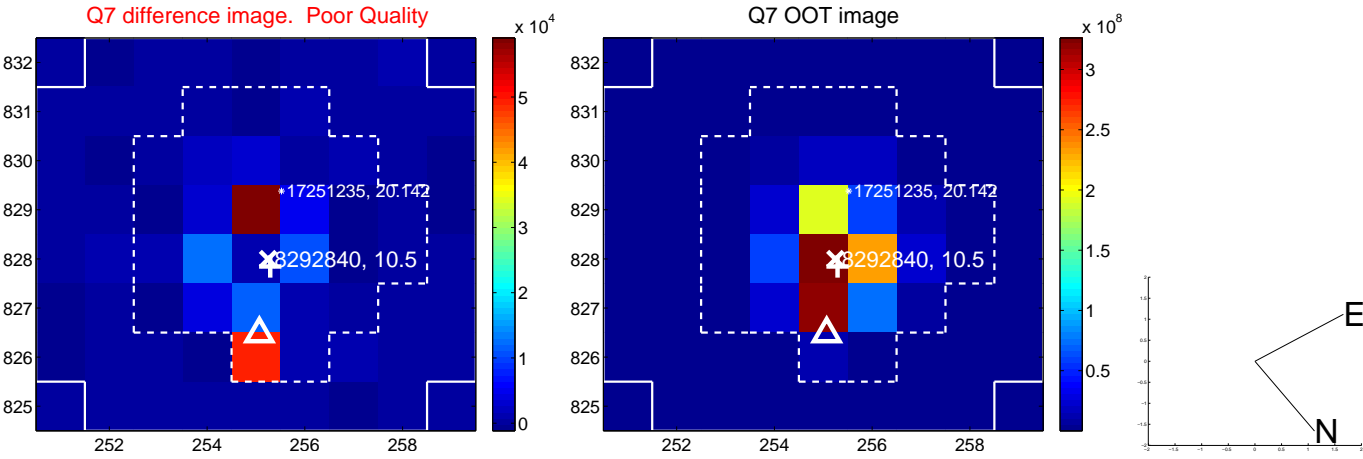
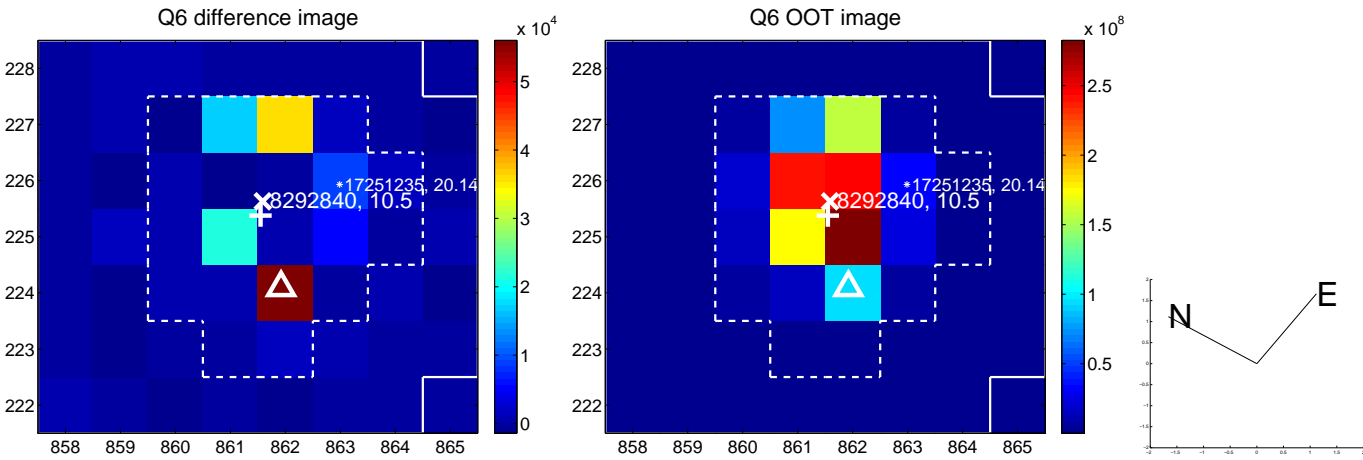
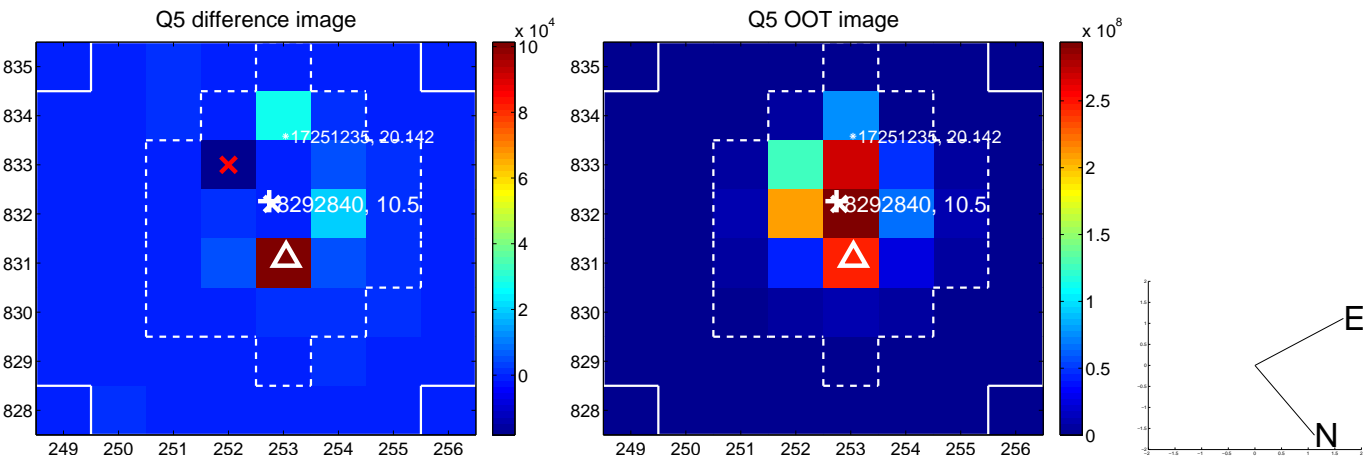


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

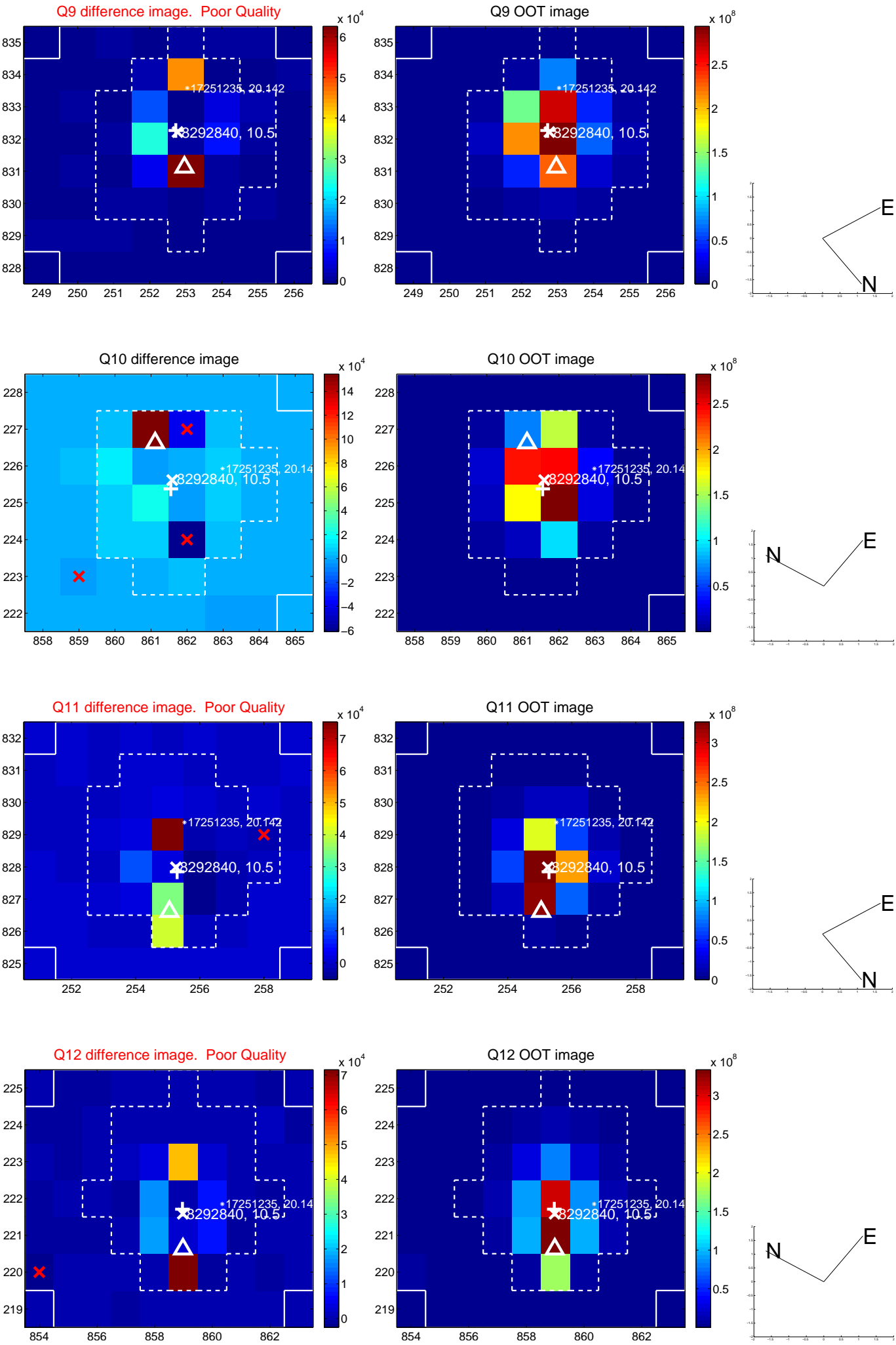
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



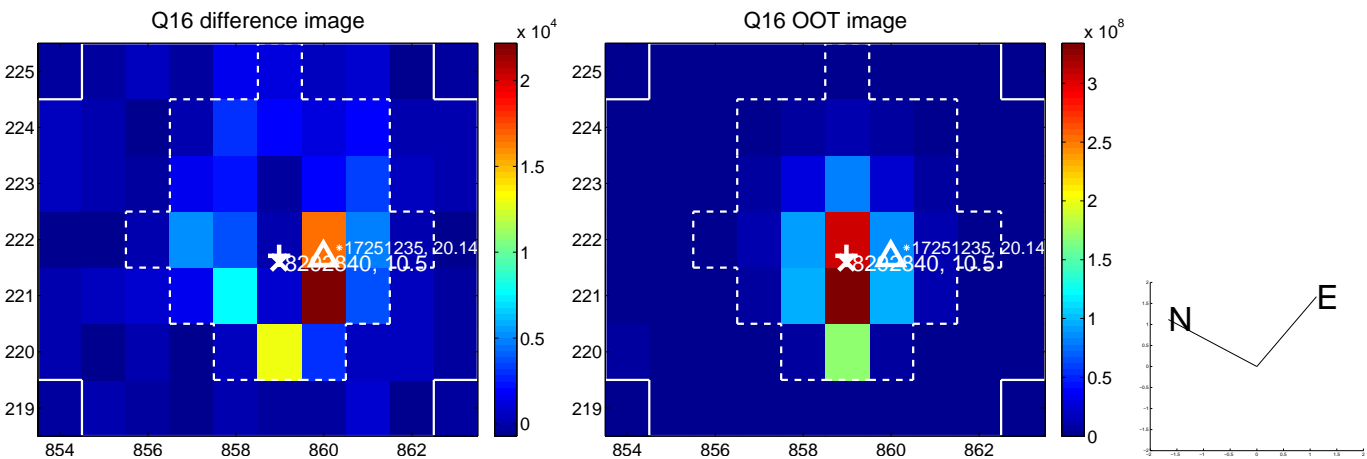
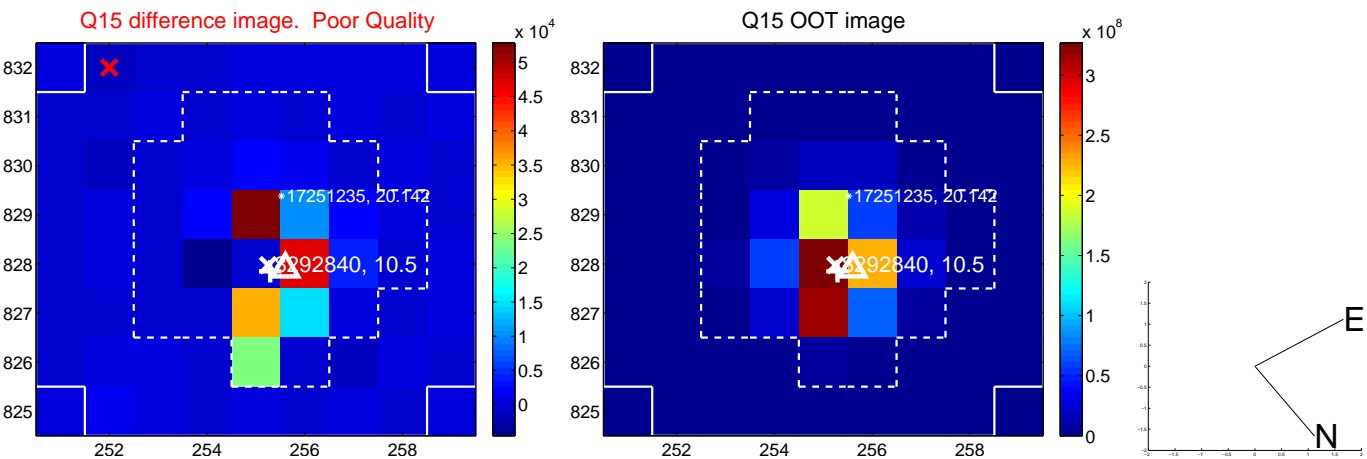
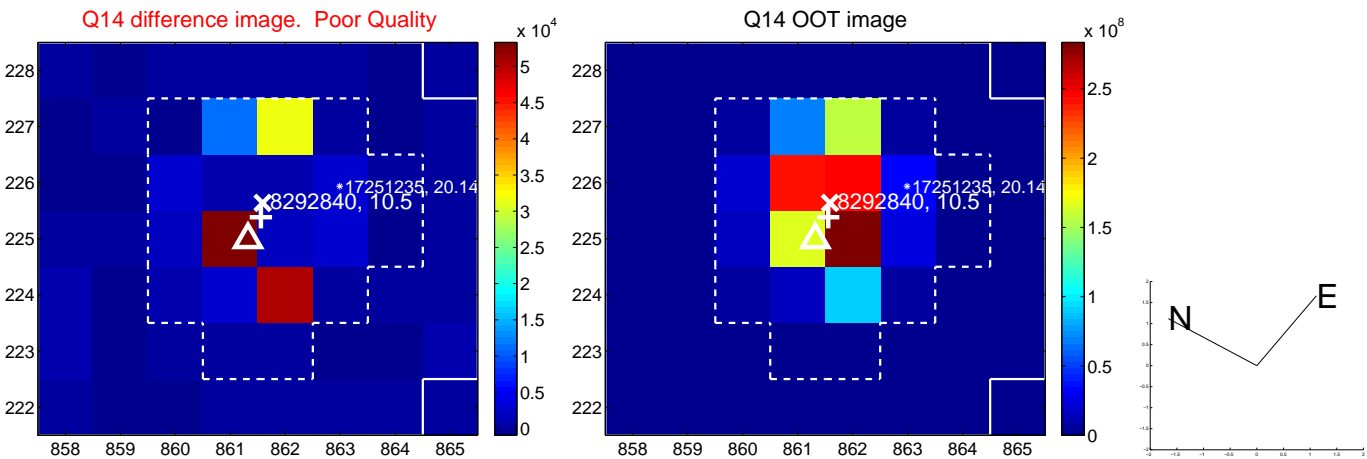
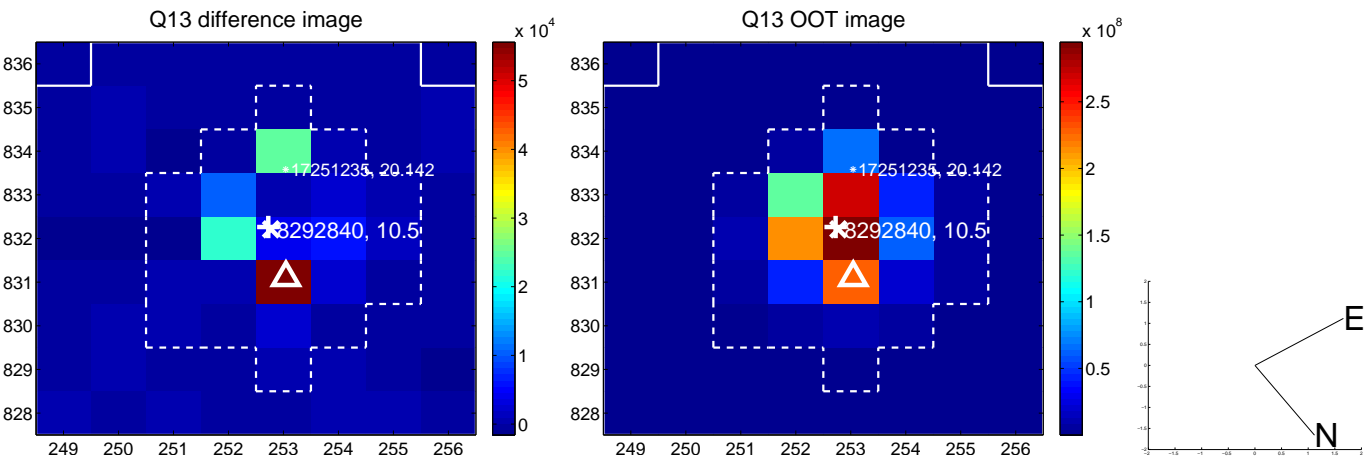
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

