

KIC 008869892

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})
008869892-01	OBS	No	0.507432	131.929606	93.1	1.019	13.7	13.6	1.93	6850	1.90	35758.07
008869892-02	OBS	No	0.507438	131.795855	112.4	1.188	14.0	16.1	1.93	6850	2.39	35757.55
008869892-03	OBS	No	0.507436	131.667244	385.4	1.500	13.3	-1.0	1.93	6850	3.83	35757.71

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008869892-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
008869892-02	OBS	FP	0.00	1	0	1	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD—HALO_GHOST
008869892-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_NOFITS

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

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

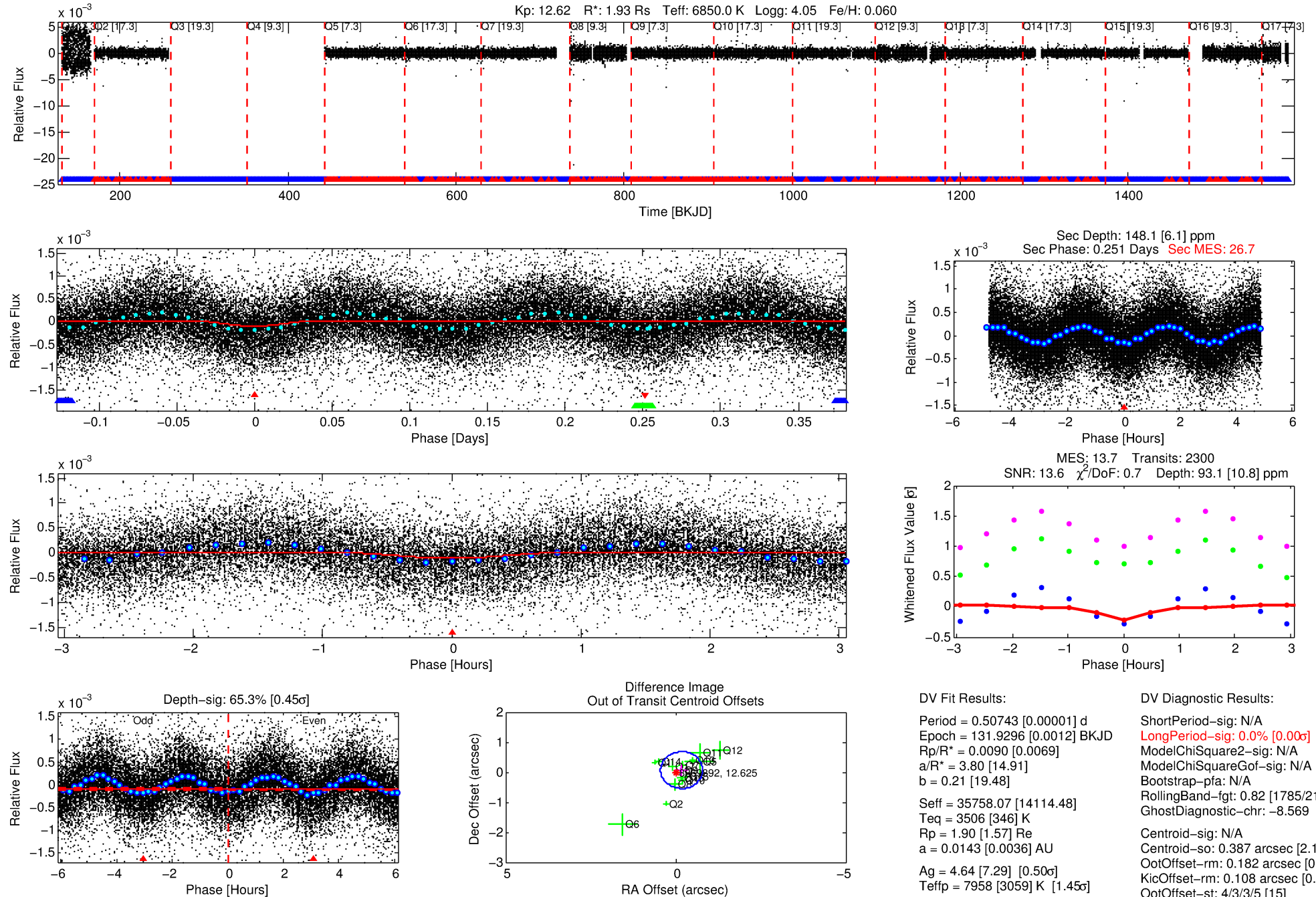
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008869892-01

No Significant Match Found

DV One-Page Summary

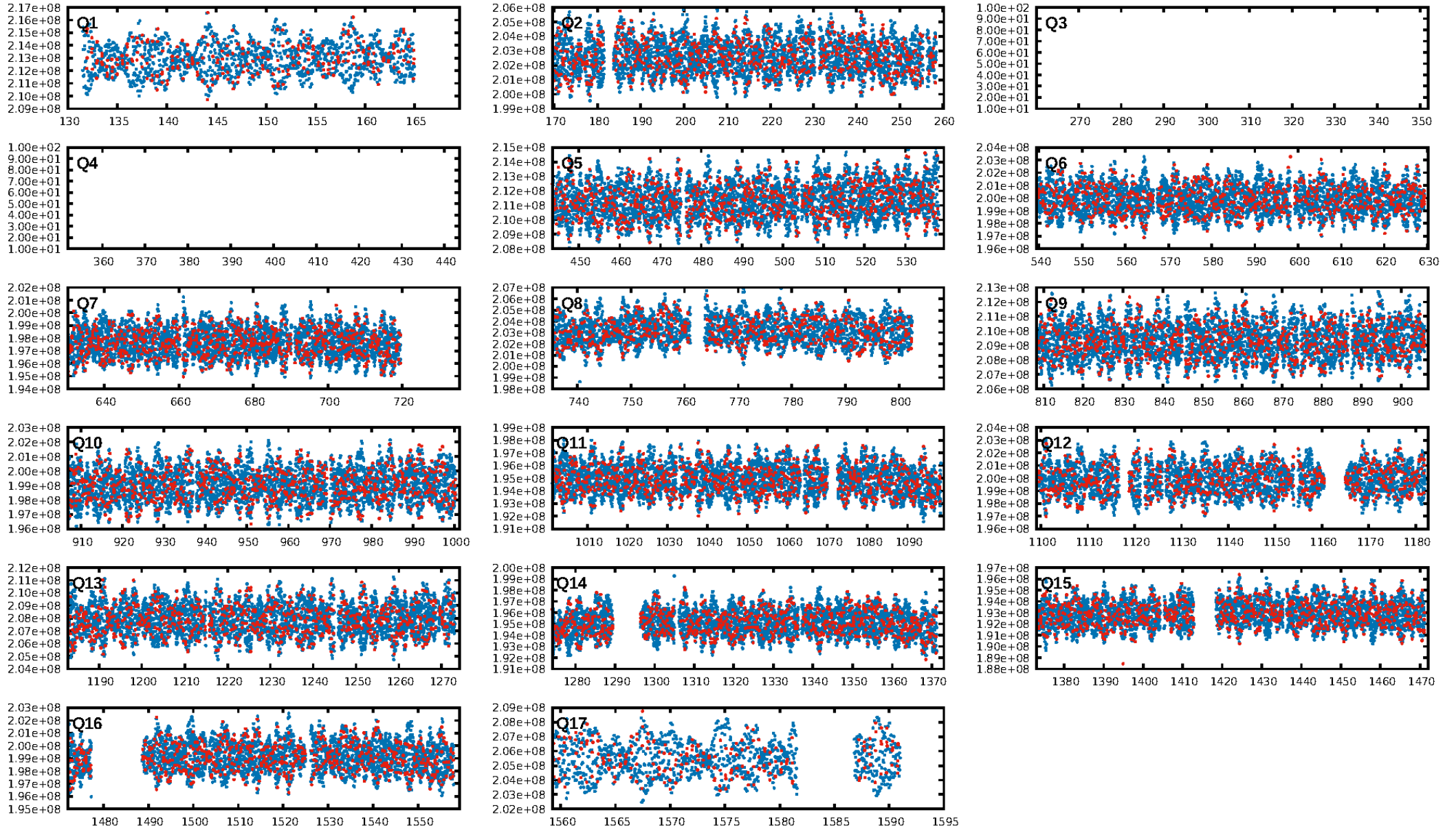
KIC: 8869892 Candidate: 1 of 3 Period: 0.507 d



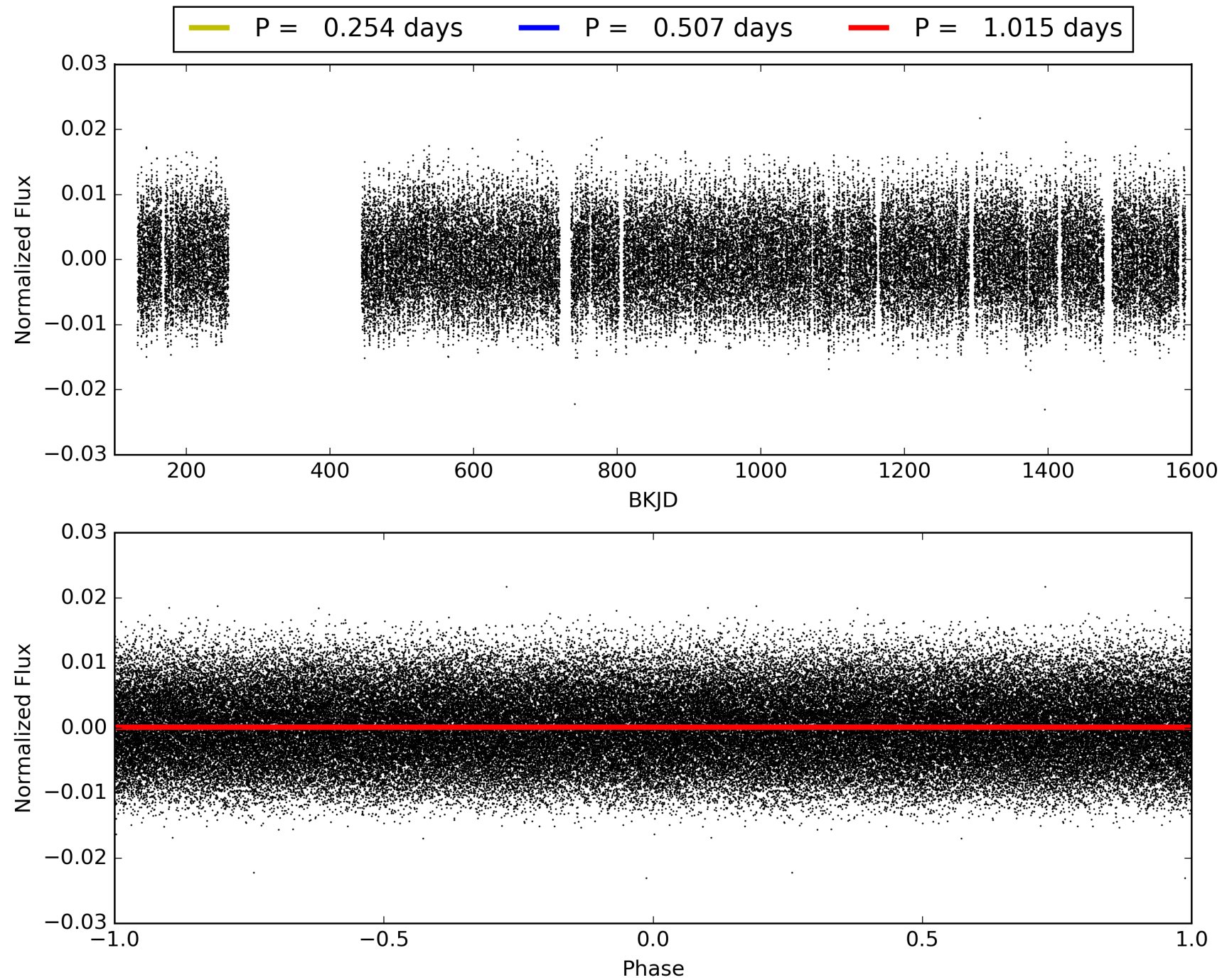
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 08:26:02 Z

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

TCE 008869892-01, PDC Light Curves

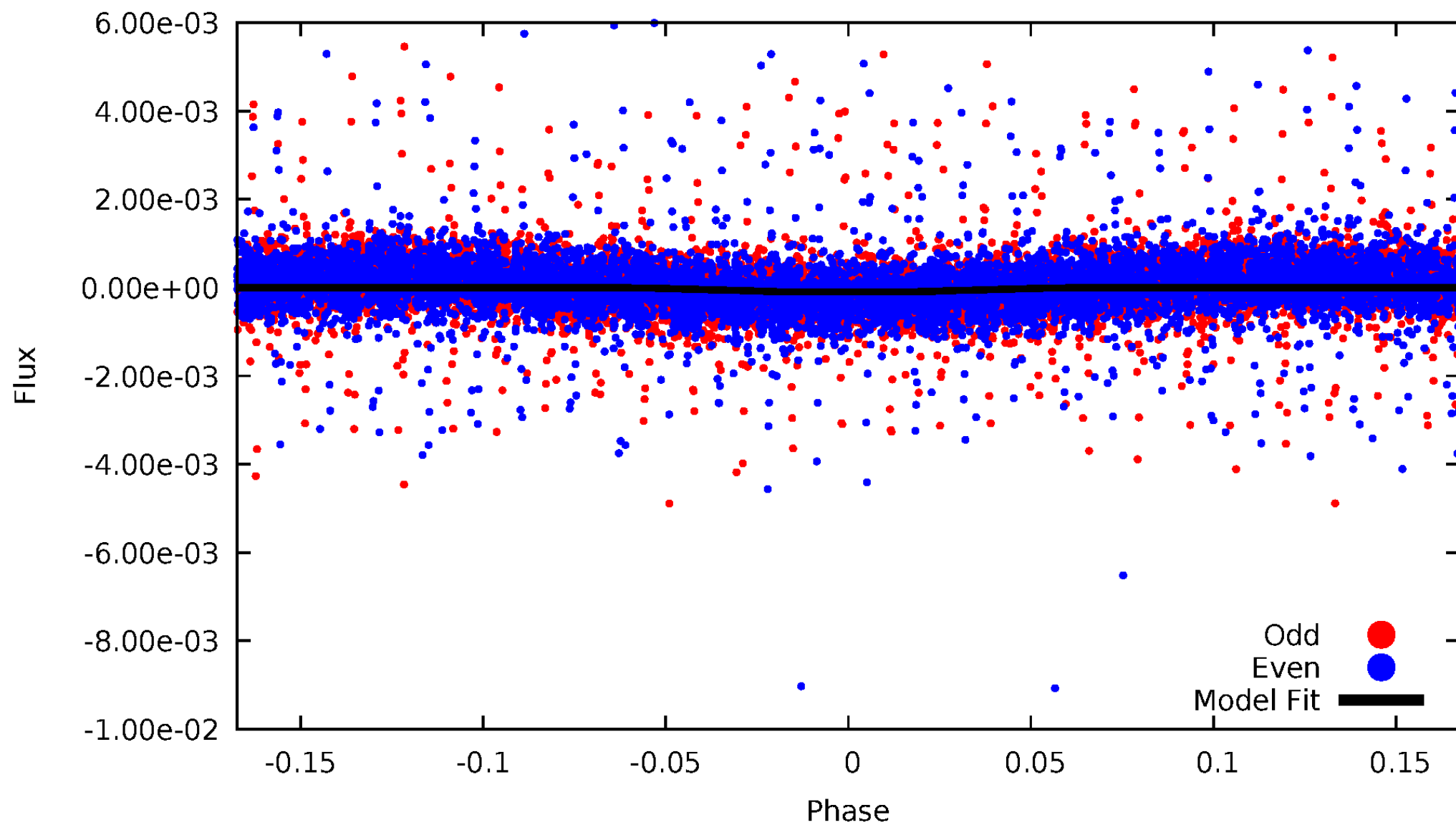


TCE 008869892-01



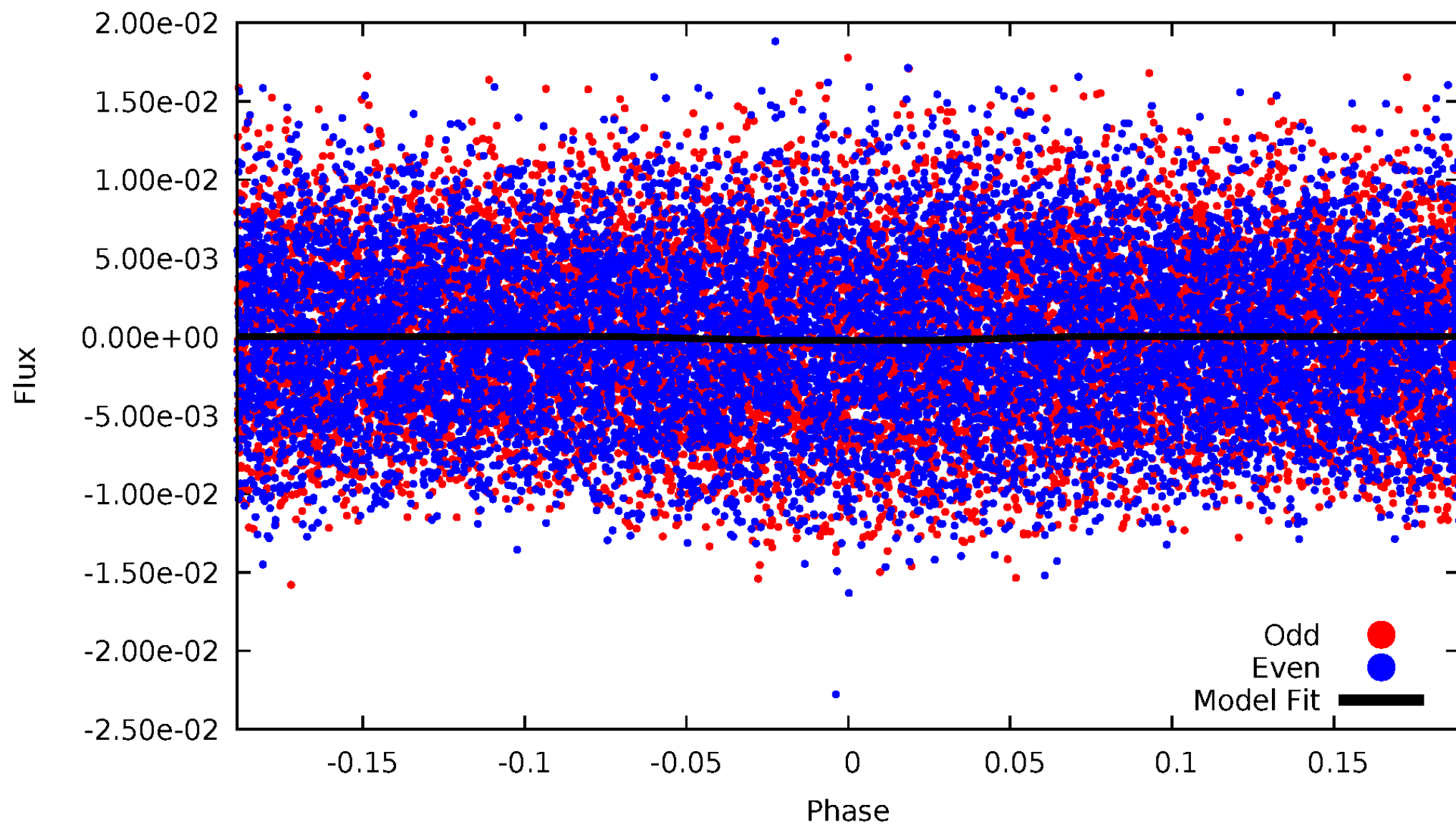
DV Odd/Even

TCE 008869892-01



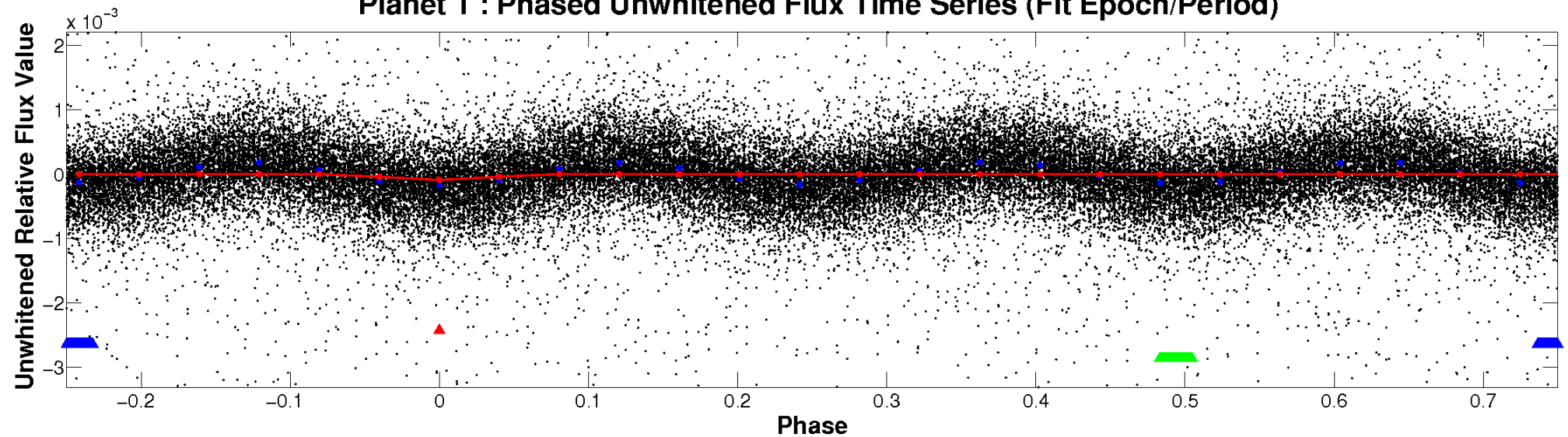
ALT Odd/Even

TCE 008869892-01

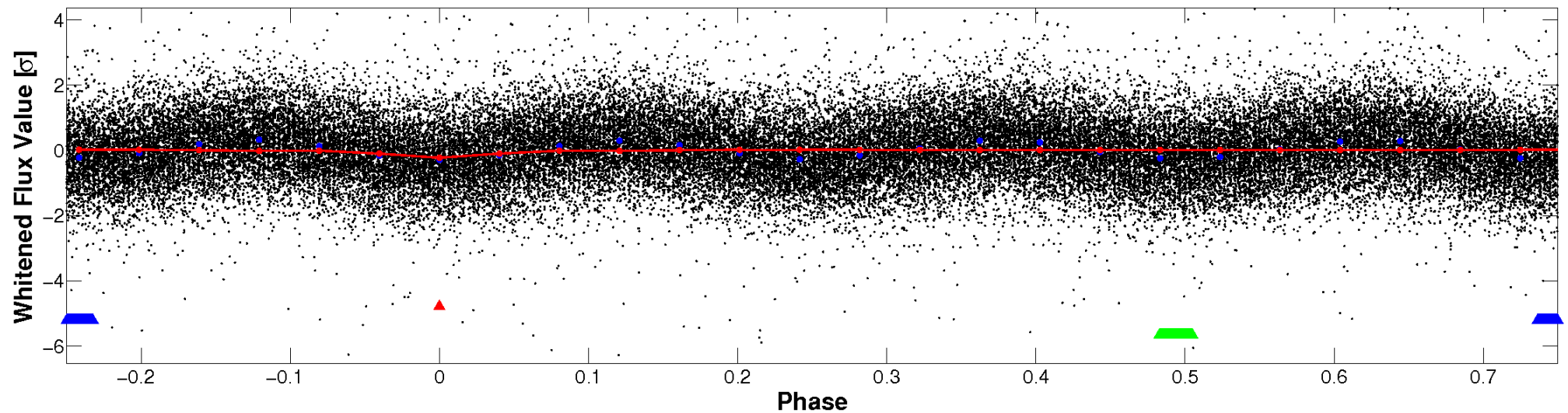


Non-Whitened Vs. Whitened Light Curve

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

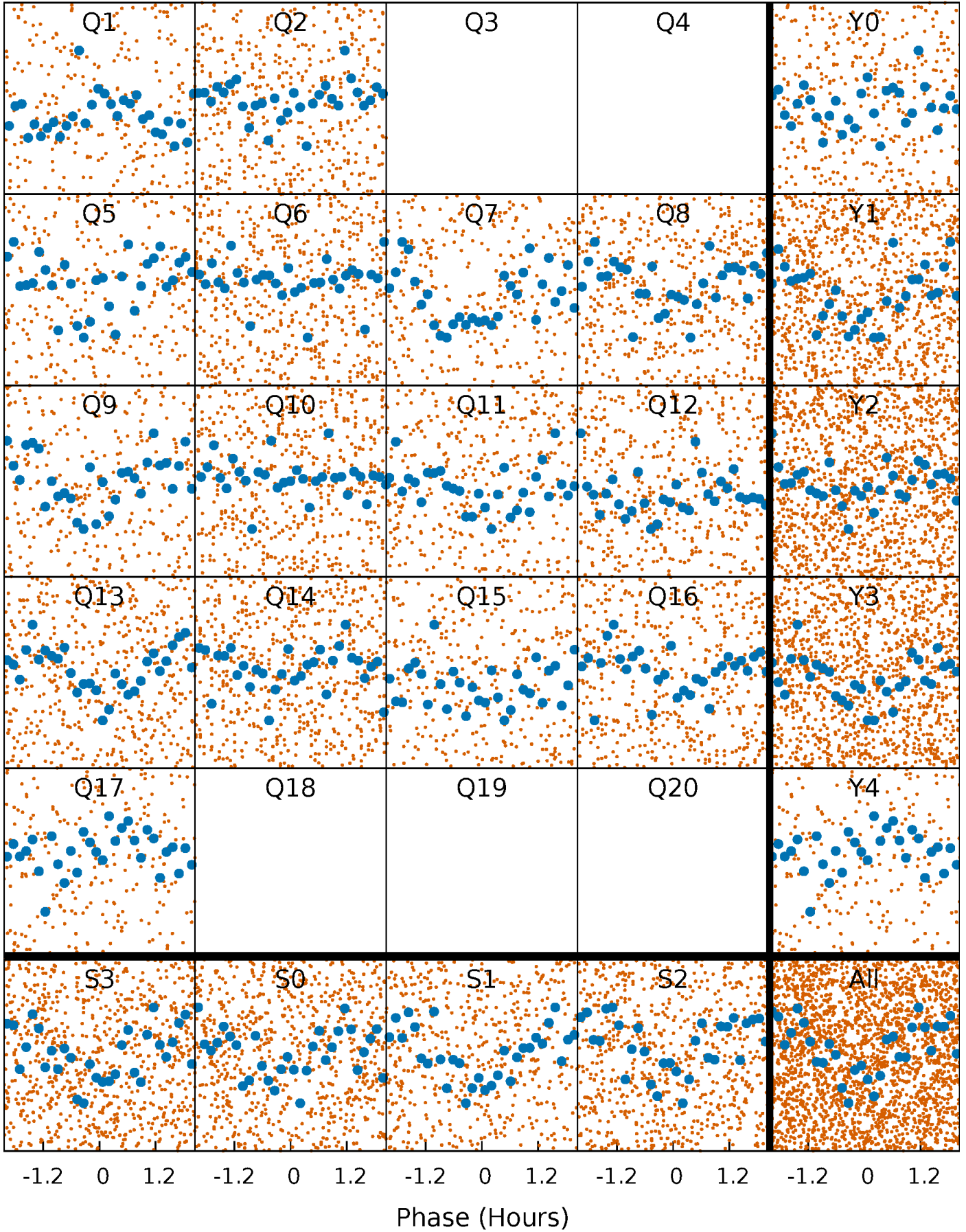


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



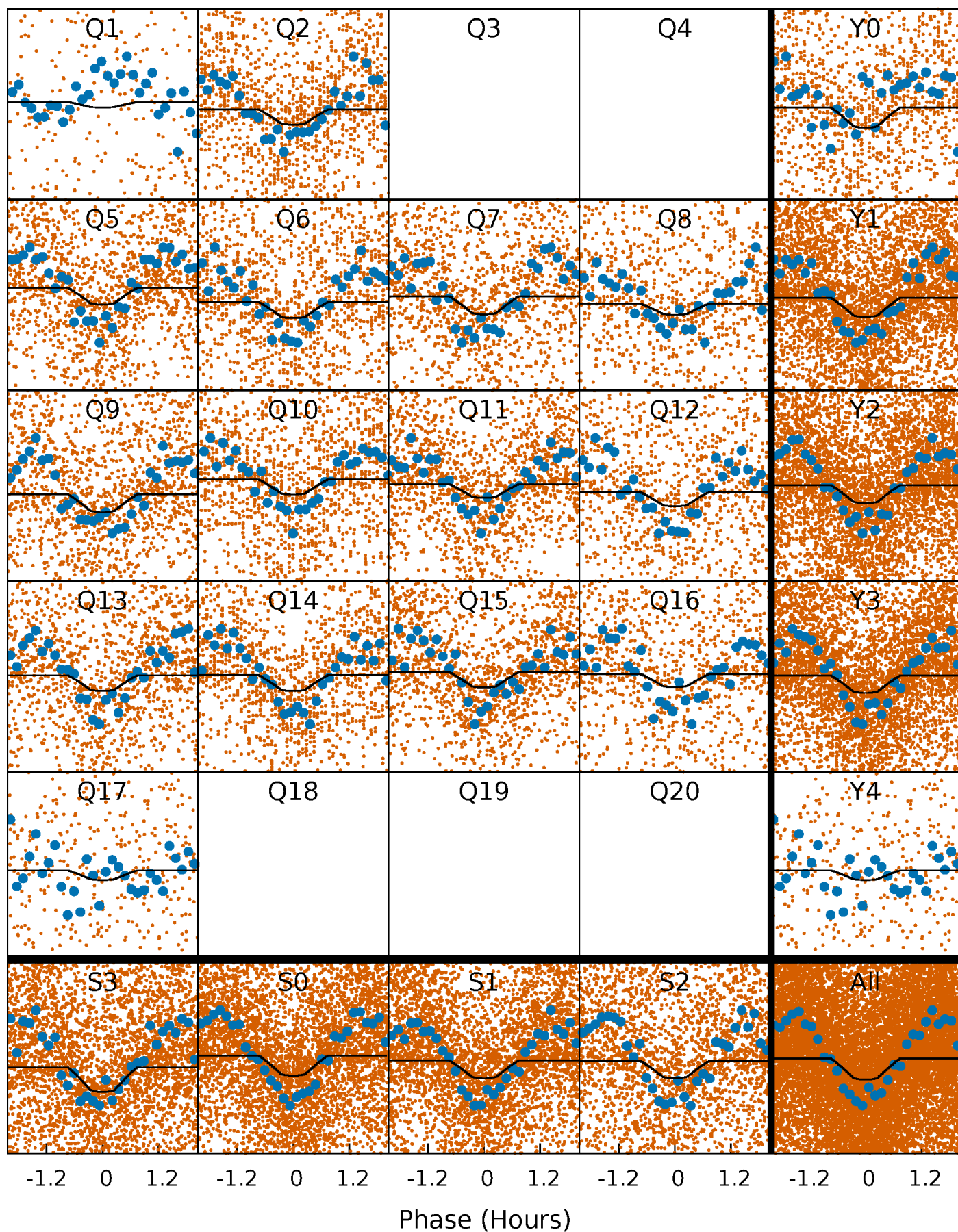
PDC Quarter-Phased Transit Curves

TCE 008869892-01 P= 0.507432 Days $T_0=131.929607$ (BKJD)



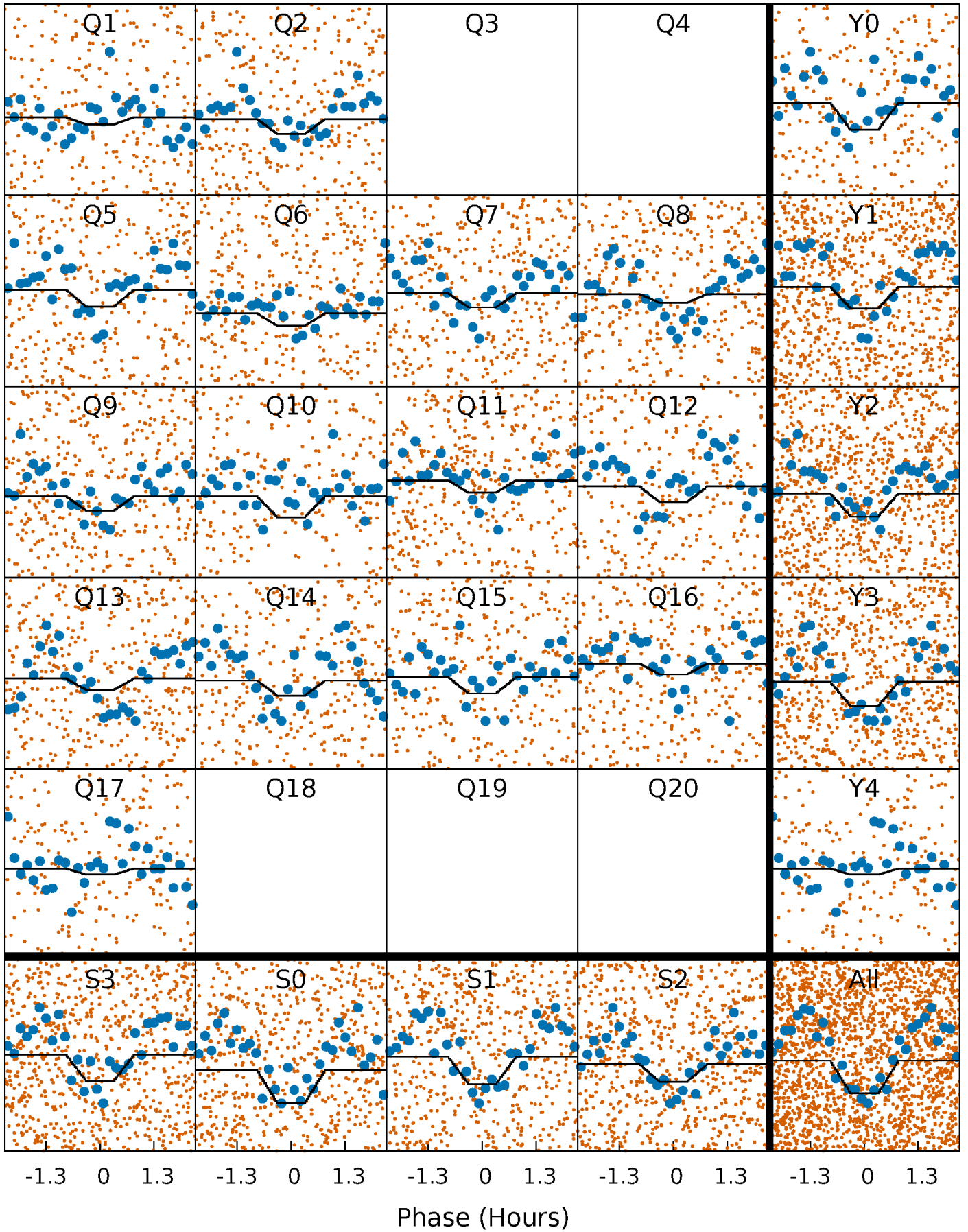
DV Quarter-Phased Transit Curves

TCE 008869892-01 P= 0.507432 Days $T_0=131.929607$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

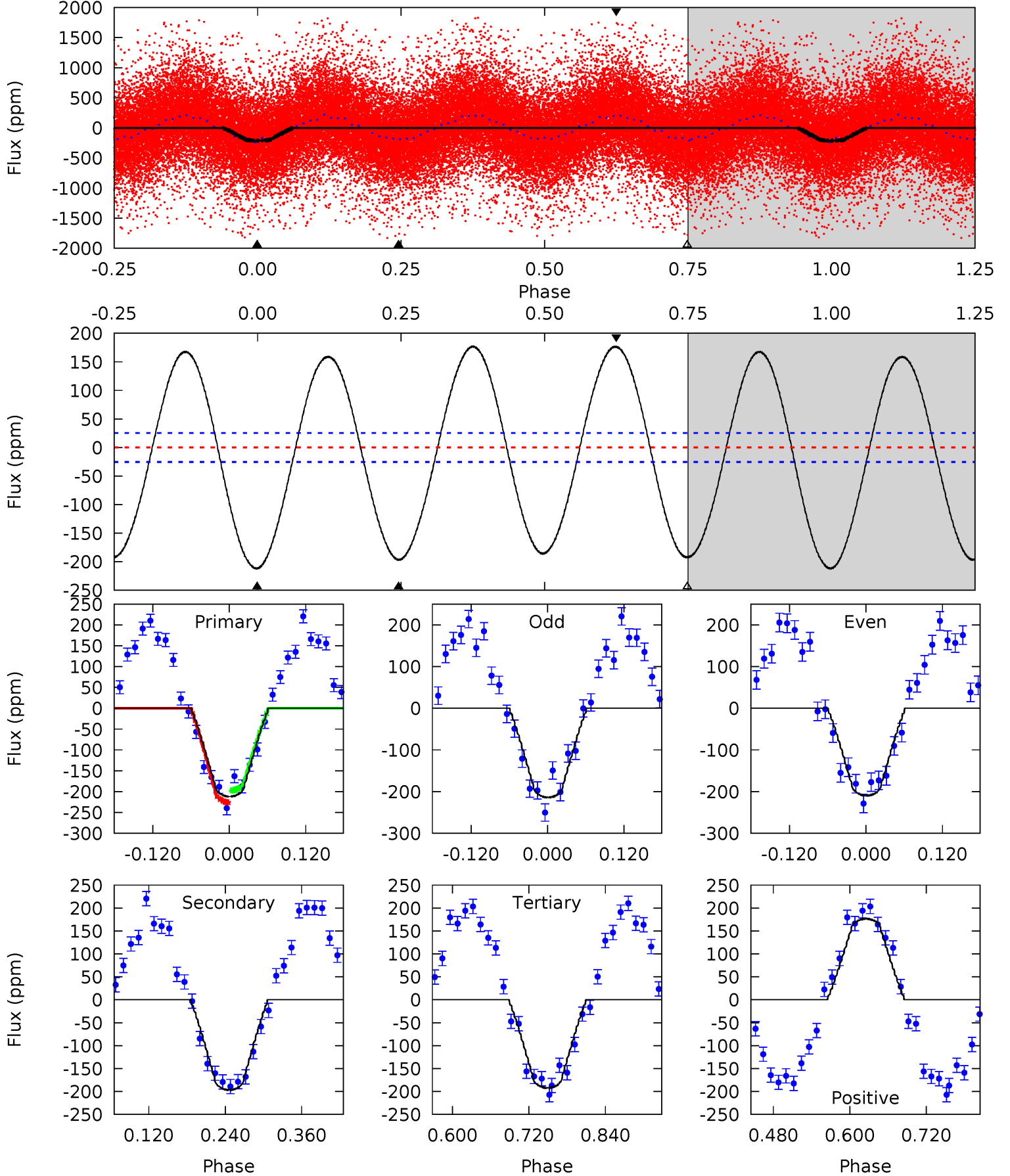
TCE 008869892-01 P= 0.507436 Days $T_0=131.915421$ (BKJD)



DV Model-Shift Uniqueness Test

008869892-01, P = 0.507432 Days, E = 131.422175 Days

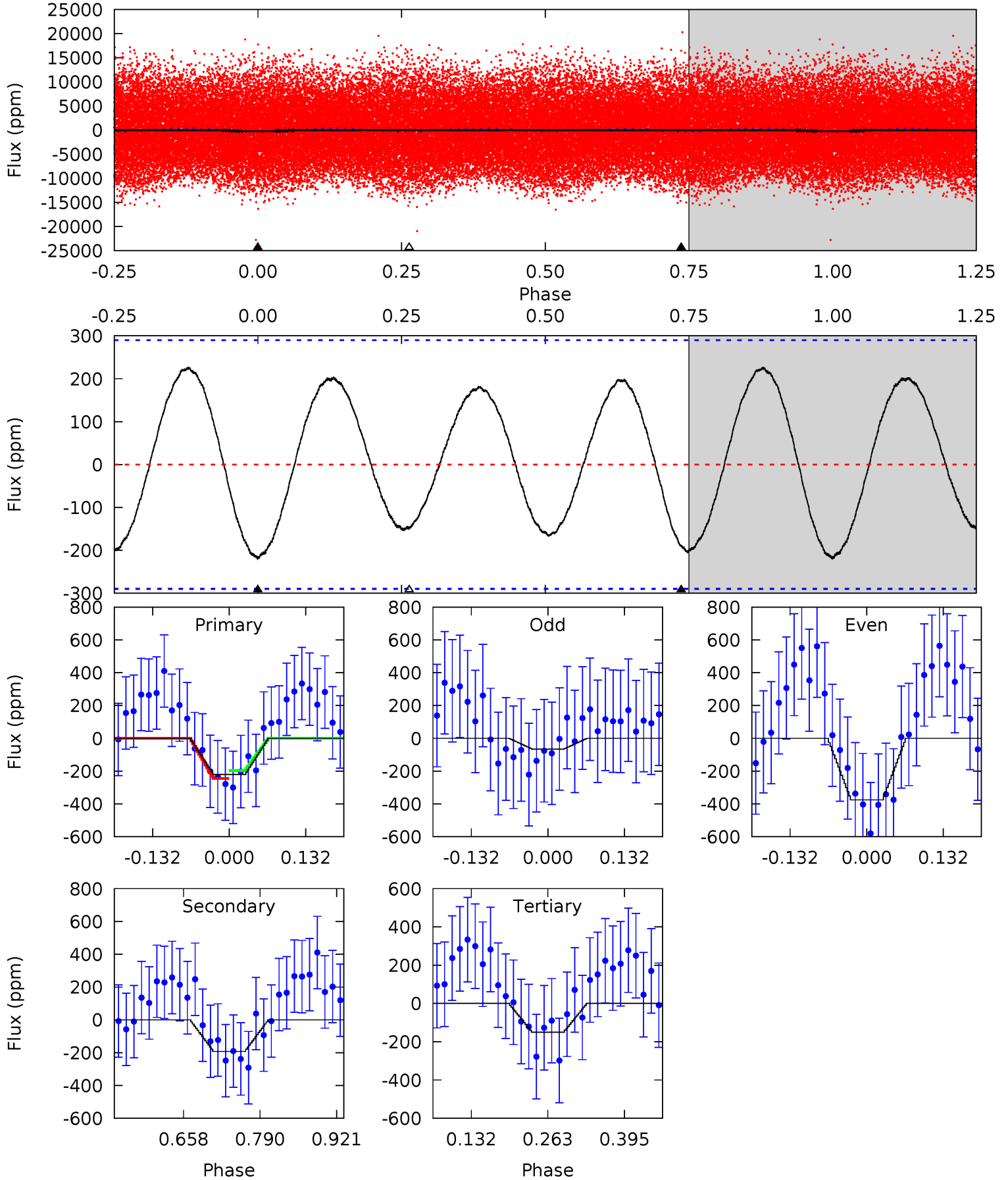
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
38.0	35.3	34.5	31.6	4.53	1.55	23.4	3.49	6.34	0.77	3.62	0.40	0.92	0.45	2.66



Alt Model-Shift Uniqueness Test

008869892-01, P = 0.507436 Days, E = 131.407985 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.44	2.99	2.33	0	4.51	1.51	1.84	1.10	3.44	0.66	2.99	2.42	0.70	0.51	0.37



Stellar Parameters For KIC 008869892

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6850^{+189}_{-283}	$4.050^{+0.190}_{-0.190}$	$0.060^{+0.250}_{-0.350}$	$1.929^{+0.603}_{-0.548}$	$1.522^{+0.220}_{-0.269}$	$0.299^{+0.370}_{-0.144}$
	+3%/-4%	+5%/-5%	+417%/-583%	+31%/-28%	+14%/-18%	+124%/-48%
Source	PHO54	PHO54	PHO54	DSEP		

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

Secondary Eclipse Parameters for KIC 008869892-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-197 ± 6	$2.12^{+1.52}_{-1.21}$	4922^{+390}_{-391}	8159^{+8033}_{-2225}	$4.831^{+22.148}_{-3.128}$
Alt.	-192 ± 64	$3.14^{+1.54}_{-1.35}$	4874^{+399}_{-360}	6136^{+2642}_{-1391}	$2.123^{+4.249}_{-1.291}$

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 $A_{obs} \gg 1.0$

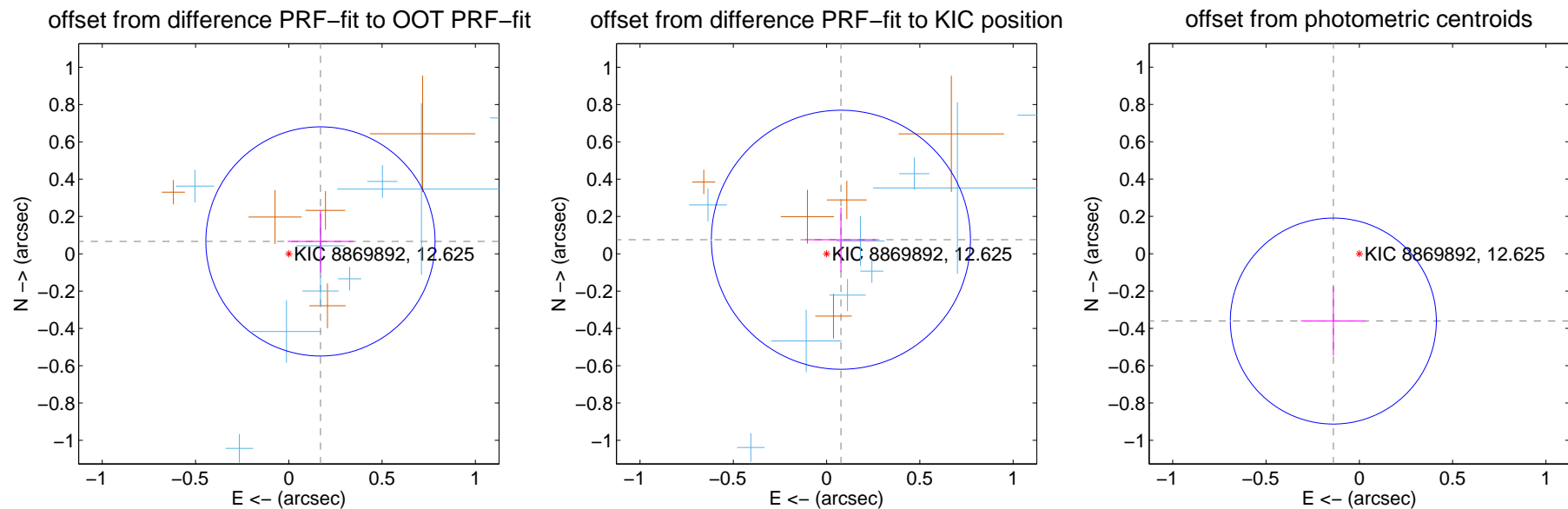
DV Centroid Data

Supplemental centroid analysis for 008869892-01. Kepler magnitude: 12.62. Transit SNR 13.55

There are 9 quarters with good PRF difference image offsets

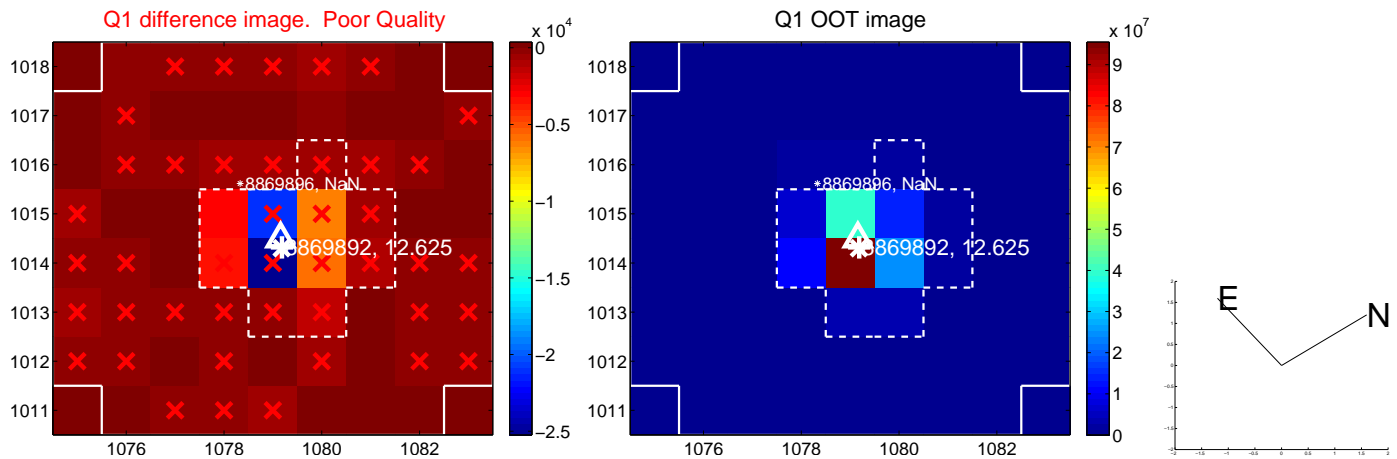
The direct PRF centroid is offset from the target star catalog position by about 0.03 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.182 ± 0.205	0.89	-0.170 ± 0.176	0.066 ± 0.167
PRF-fit source offset from KIC position	0.108 ± 0.231	0.46	-0.077 ± 0.188	0.075 ± 0.173
photometric centroid source offset	0.39 ± 0.18	2.10	0.14 ± 0.17	-0.36 ± 0.19

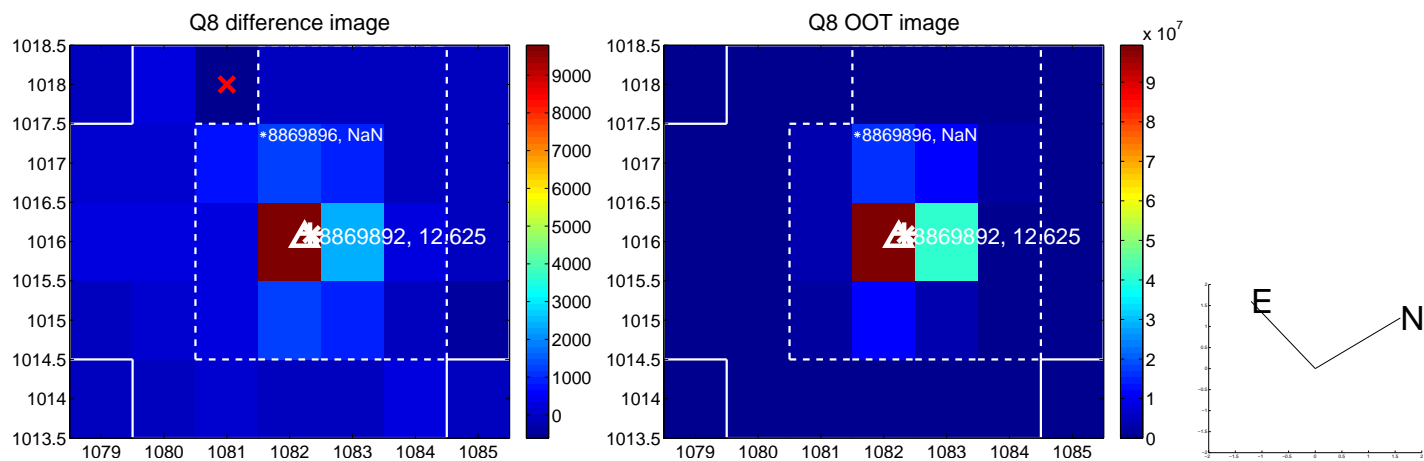
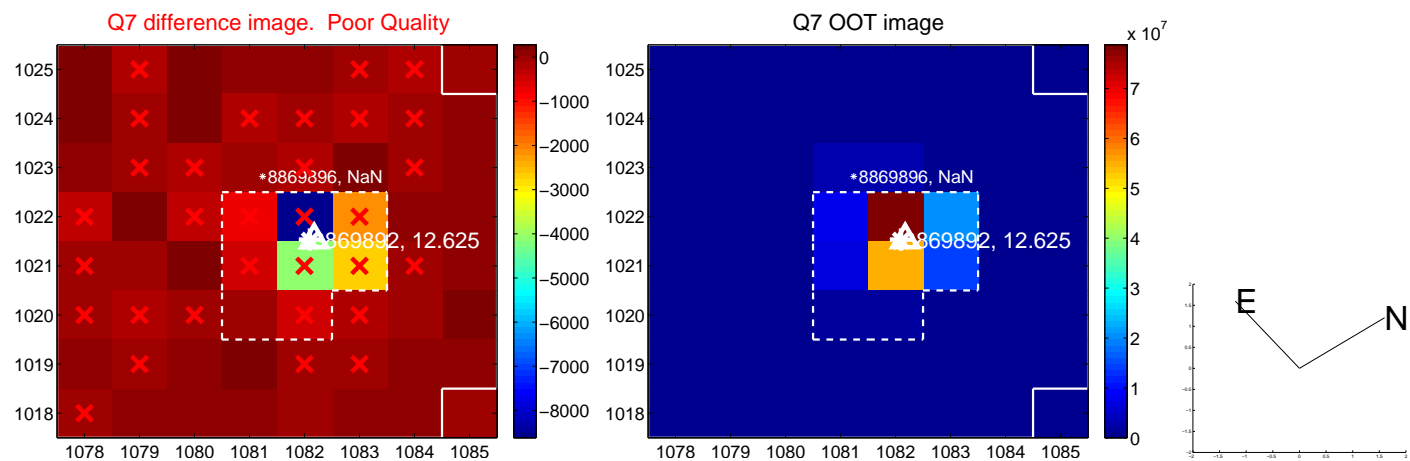
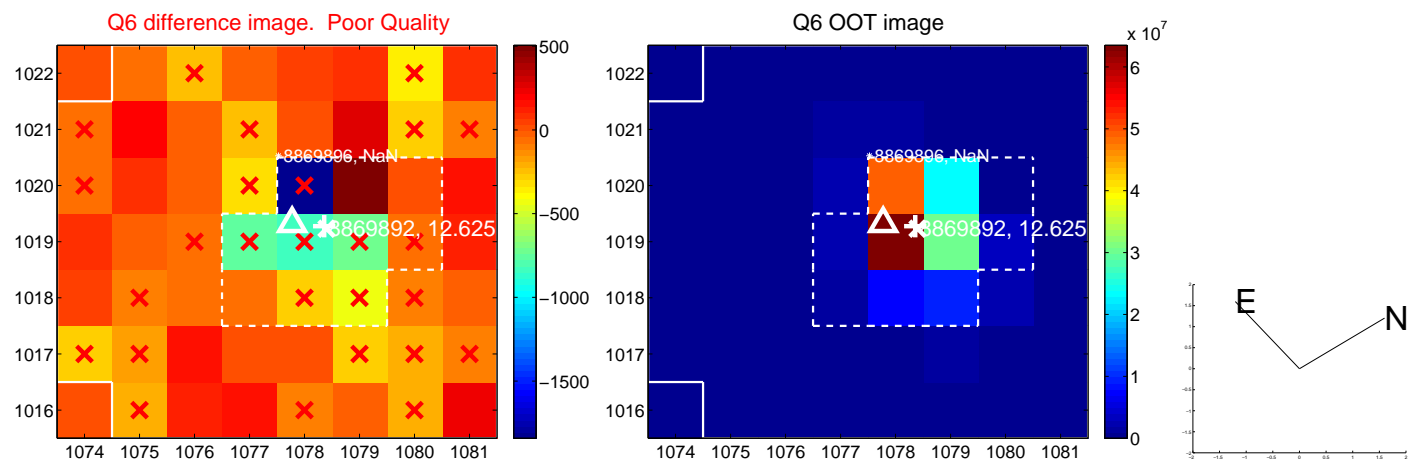
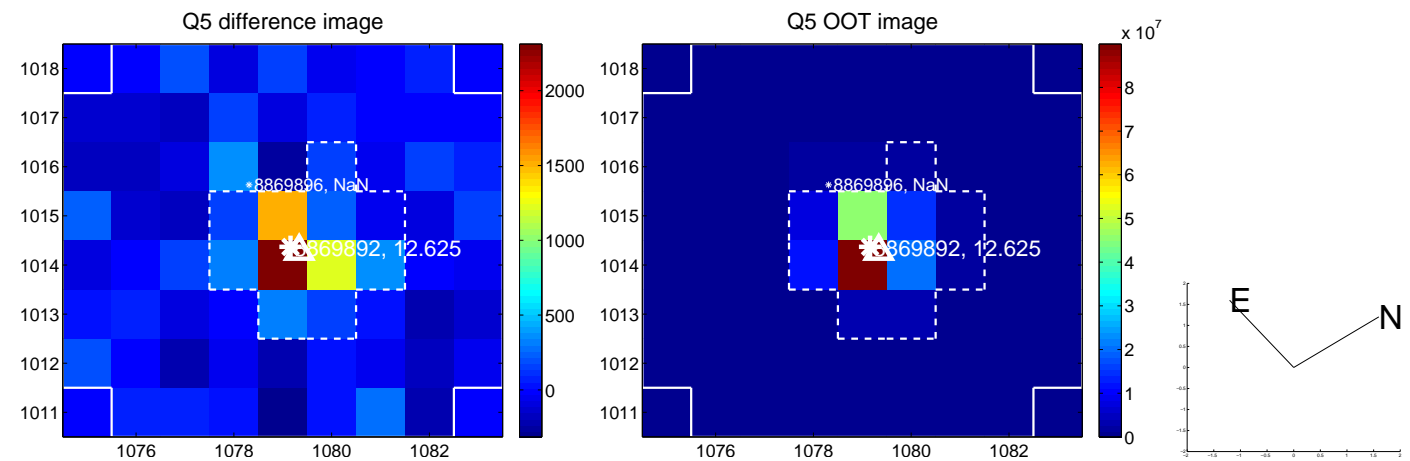


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

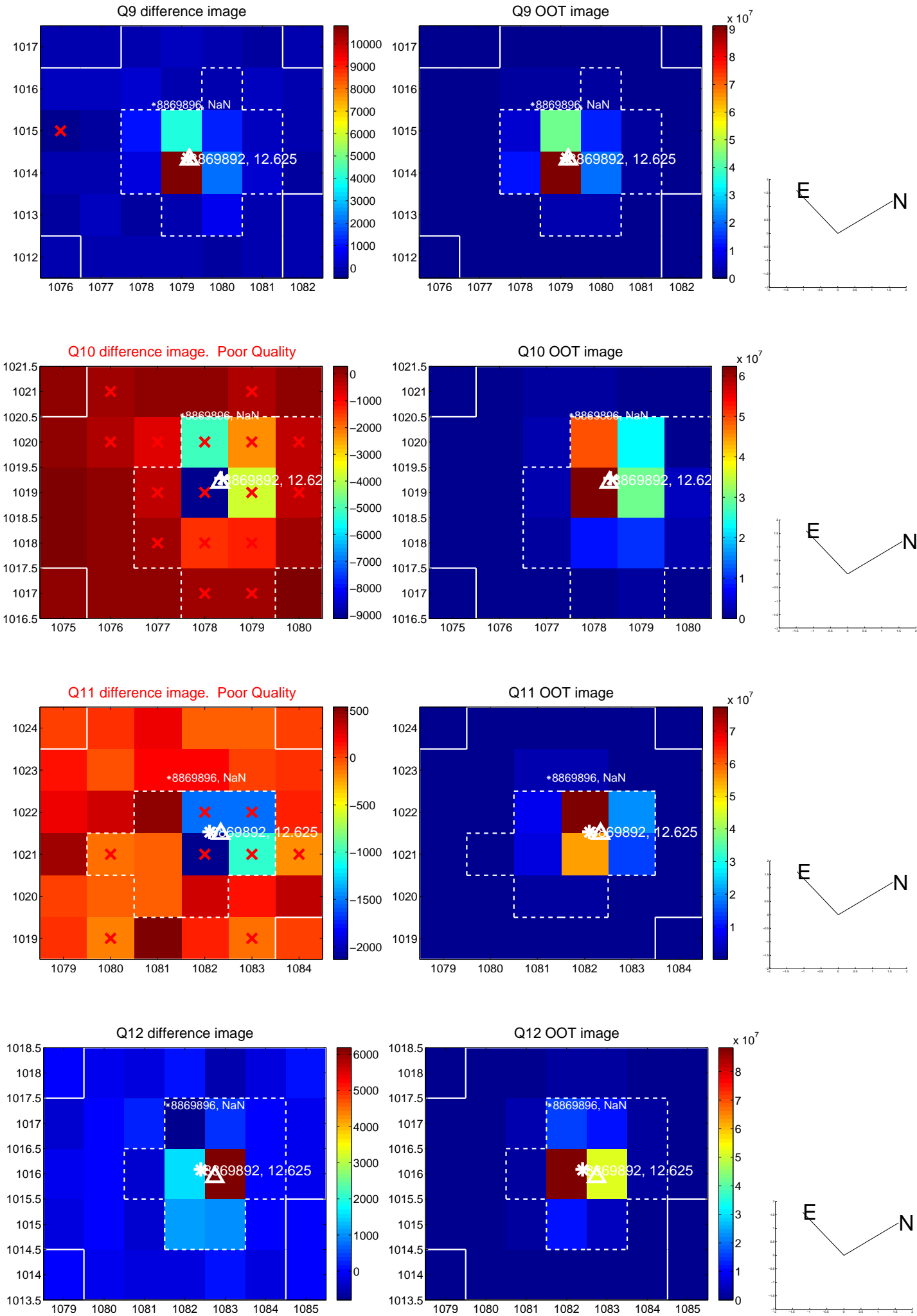
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



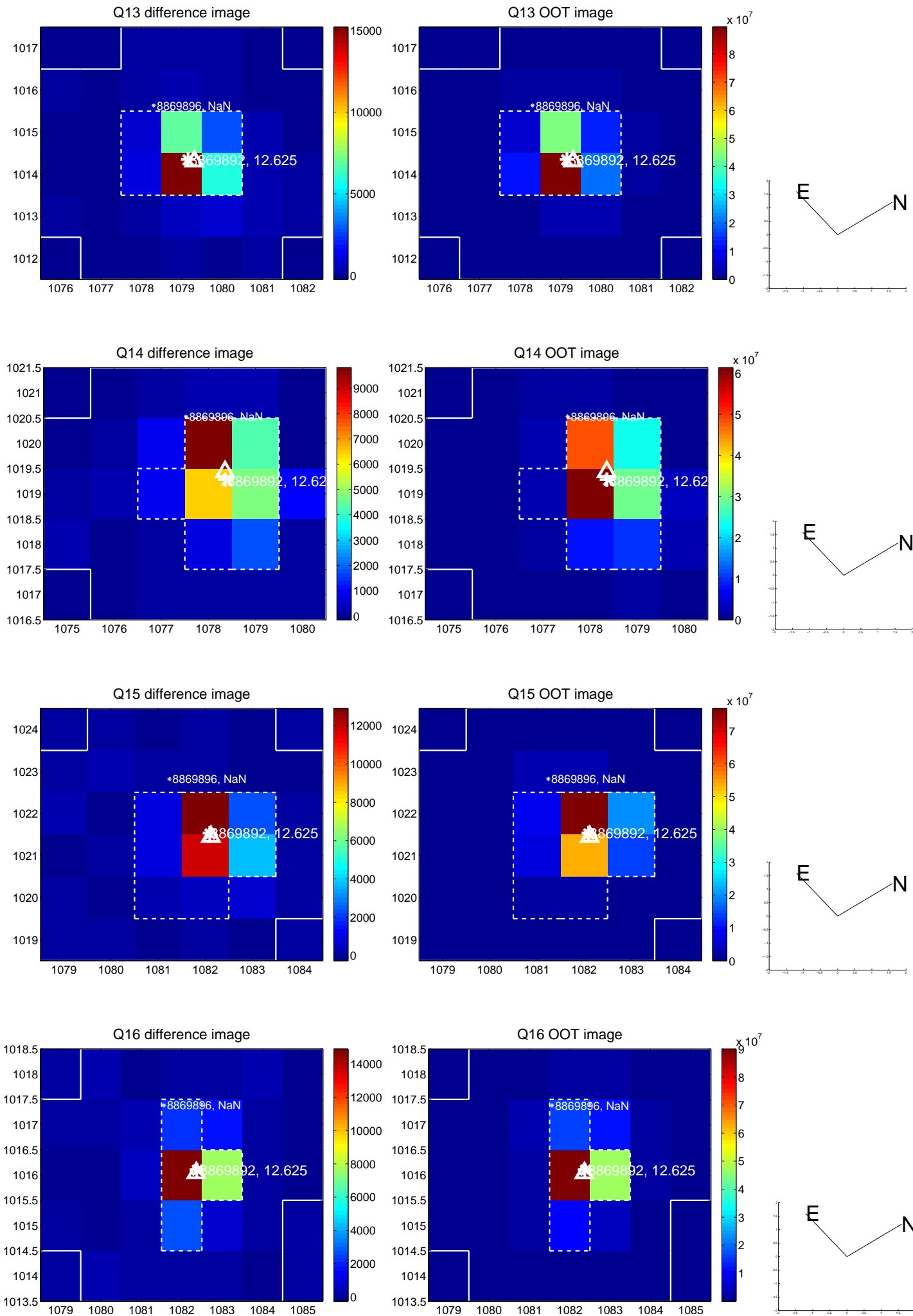
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



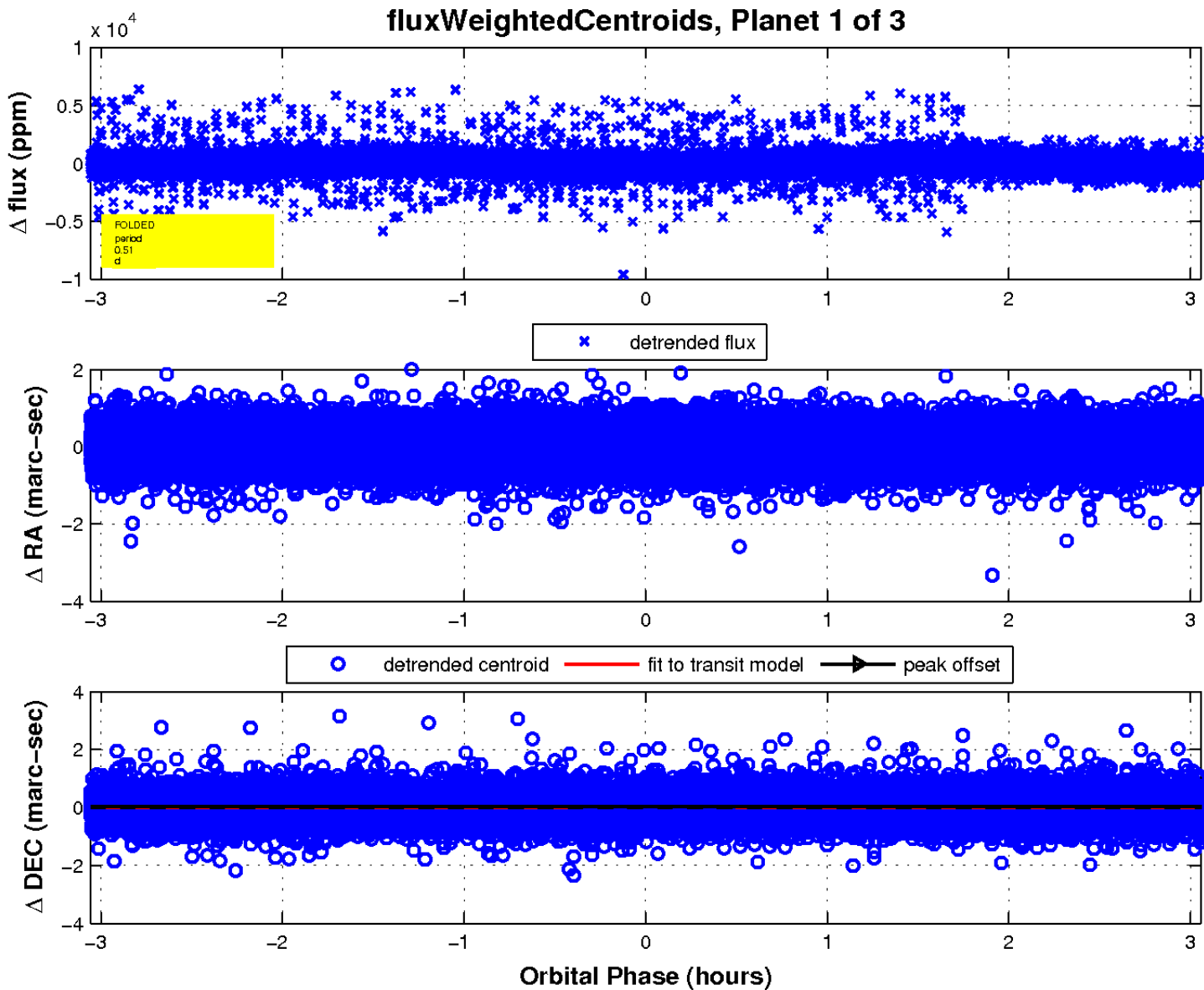
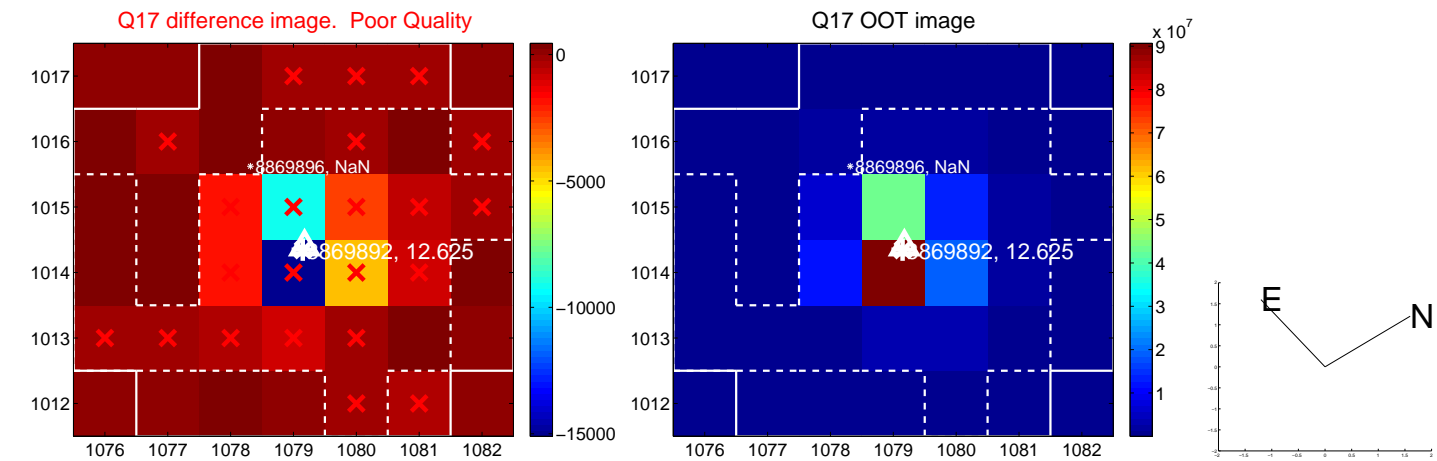
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

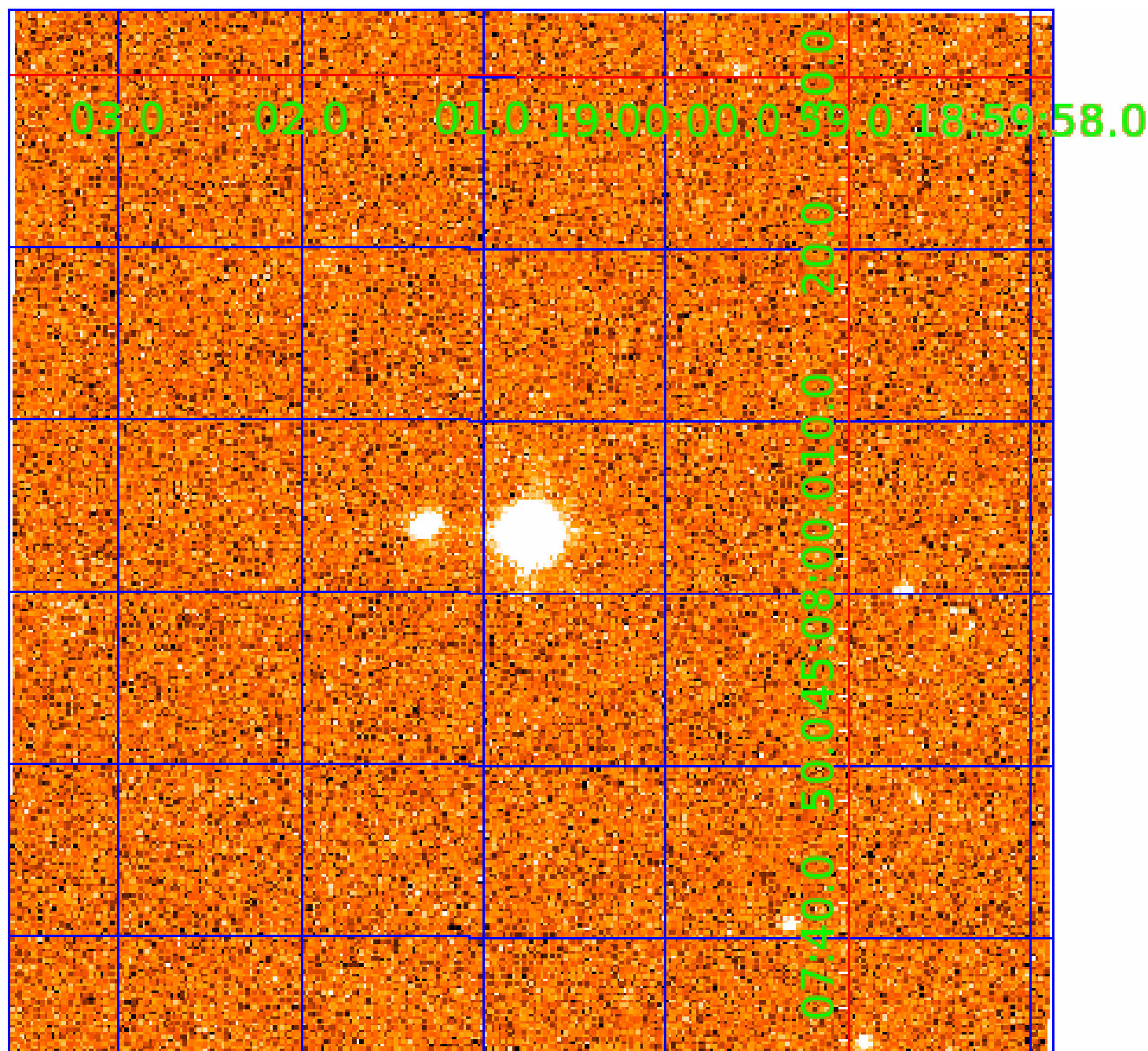


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 008869892

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})
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008869892-03	OBS	No	0.507436	131.667244	385.4	1.500	13.3	-1.0	1.93	6850	3.83	35757.71

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008869892-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
008869892-02	OBS	FP	0.00	1	0	1	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD—HALO_GHOST
008869892-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_NOFITS

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

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

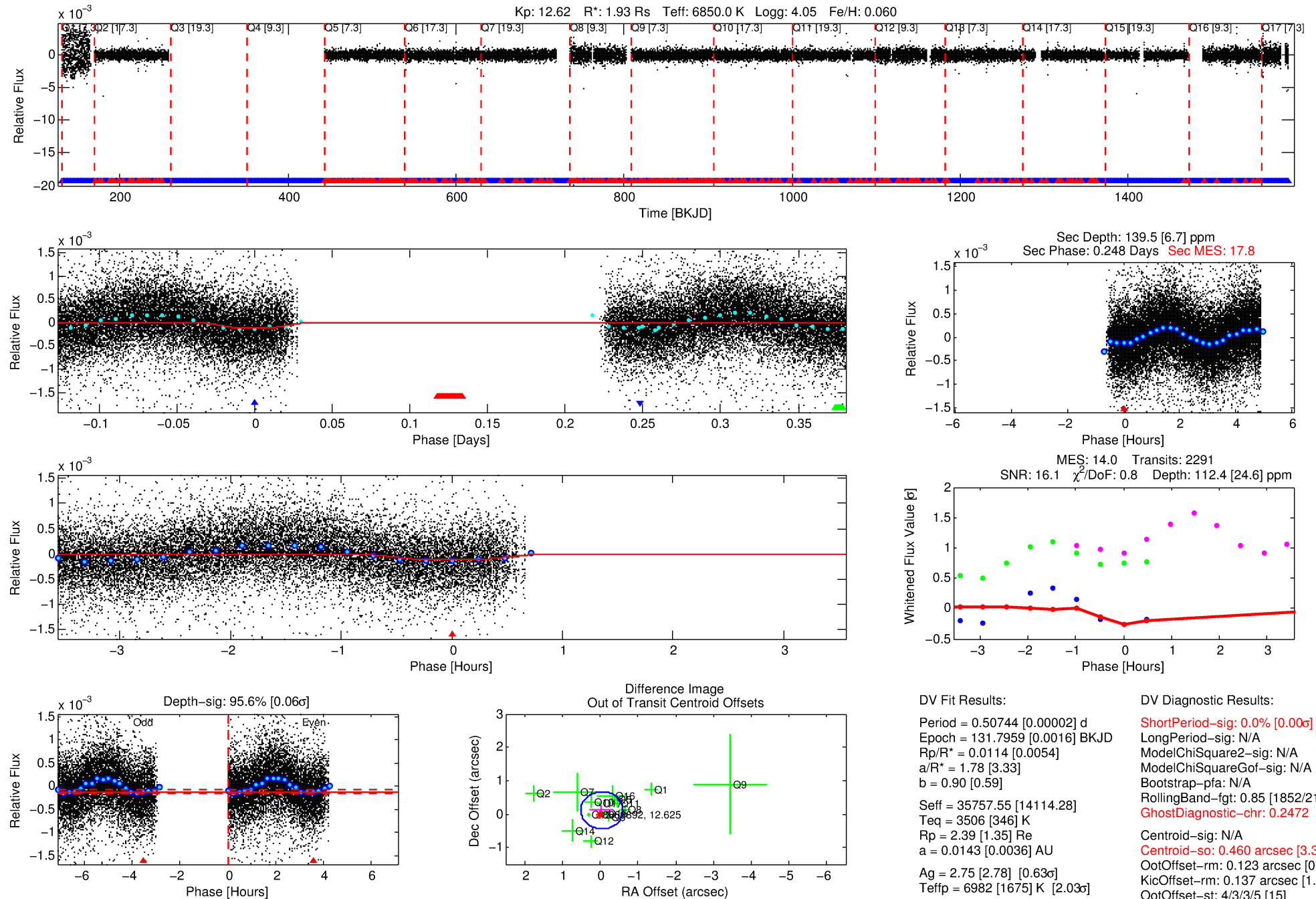
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008869892-02

No Significant Match Found

DV One-Page Summary

KIC: 8869892 Candidate: 2 of 3 Period: 0.507 d



DV Fit Results:

Period = 0.50744 [0.00002] d
Epoch = 131.7959 [0.0016] BKJD
Rp/R* = 0.0114 [0.0054]
a/R* = 1.78 [3.33]
b = 0.90 [0.59]
Seff = 35757.55 [14114.28]
Teff = 3506 [346] K
Rp = 2.39 [1.35] Re
a = 0.0143 [0.0036] AU
Ag = 2.75 [2.78] [0.63 σ]
Teffp = 6982 [1675] K [2.03 σ]

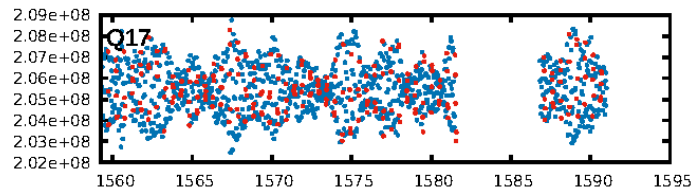
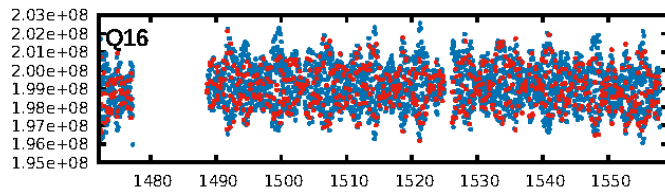
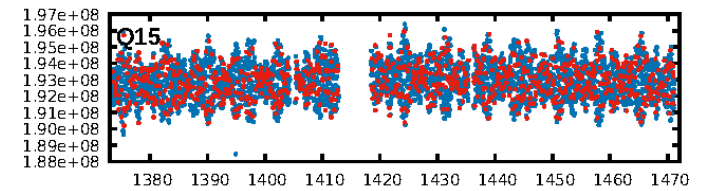
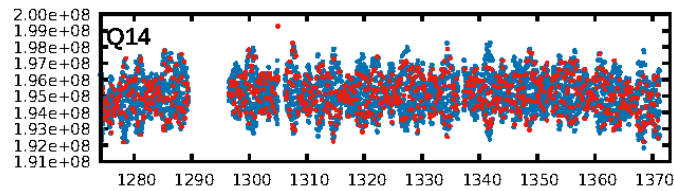
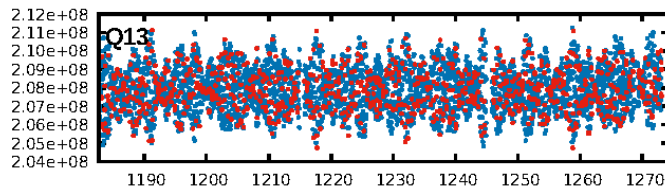
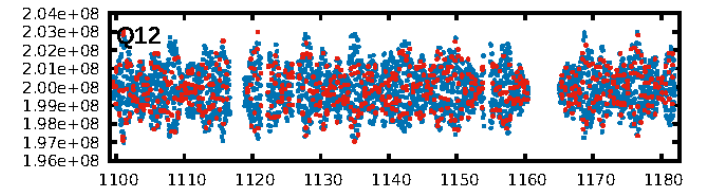
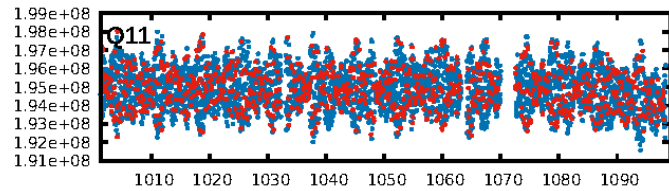
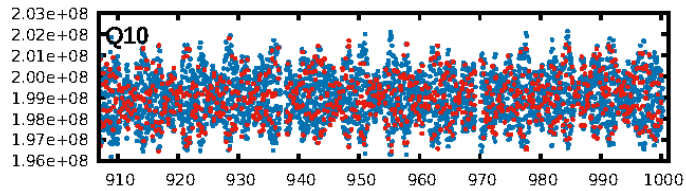
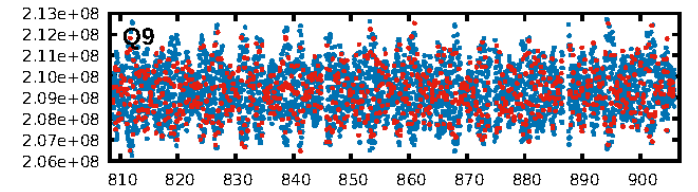
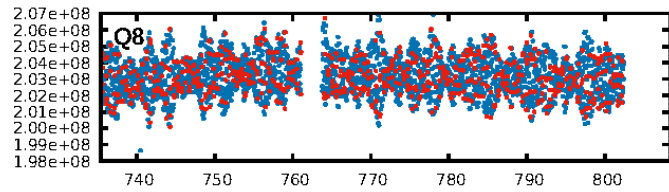
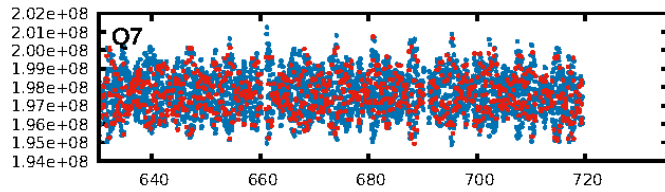
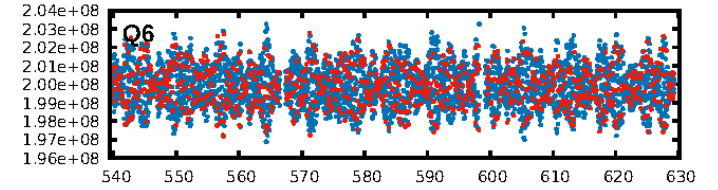
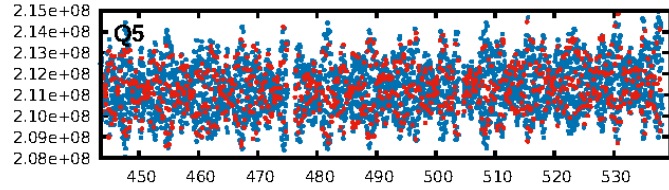
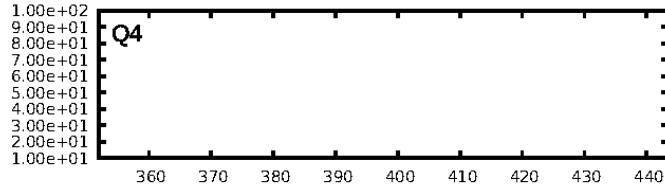
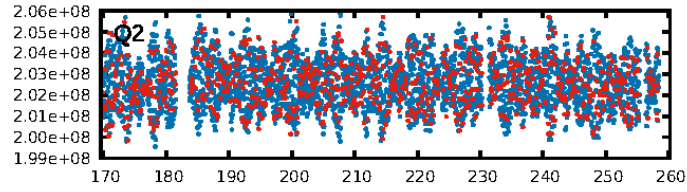
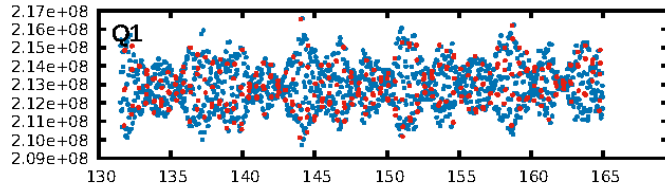
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.85 [1852/2173]
GhostDiagnostic-chr: 0.2472
Centroid-sig: N/A
Centroid-so: 0.460 arcsec [3.36 σ]
OotOffset-rm: 0.123 arcsec [0.66 σ]
KicOffset-rm: 0.137 arcsec [1.05 σ]
OotOffset-st: 4/3/3/5 [15]
KicOffset-st: 4/3/3/5 [15]
DiffImageQuality-fgm: 0.60 [9/15]
DiffImageOverlap-fno: 0.00 [0/15]

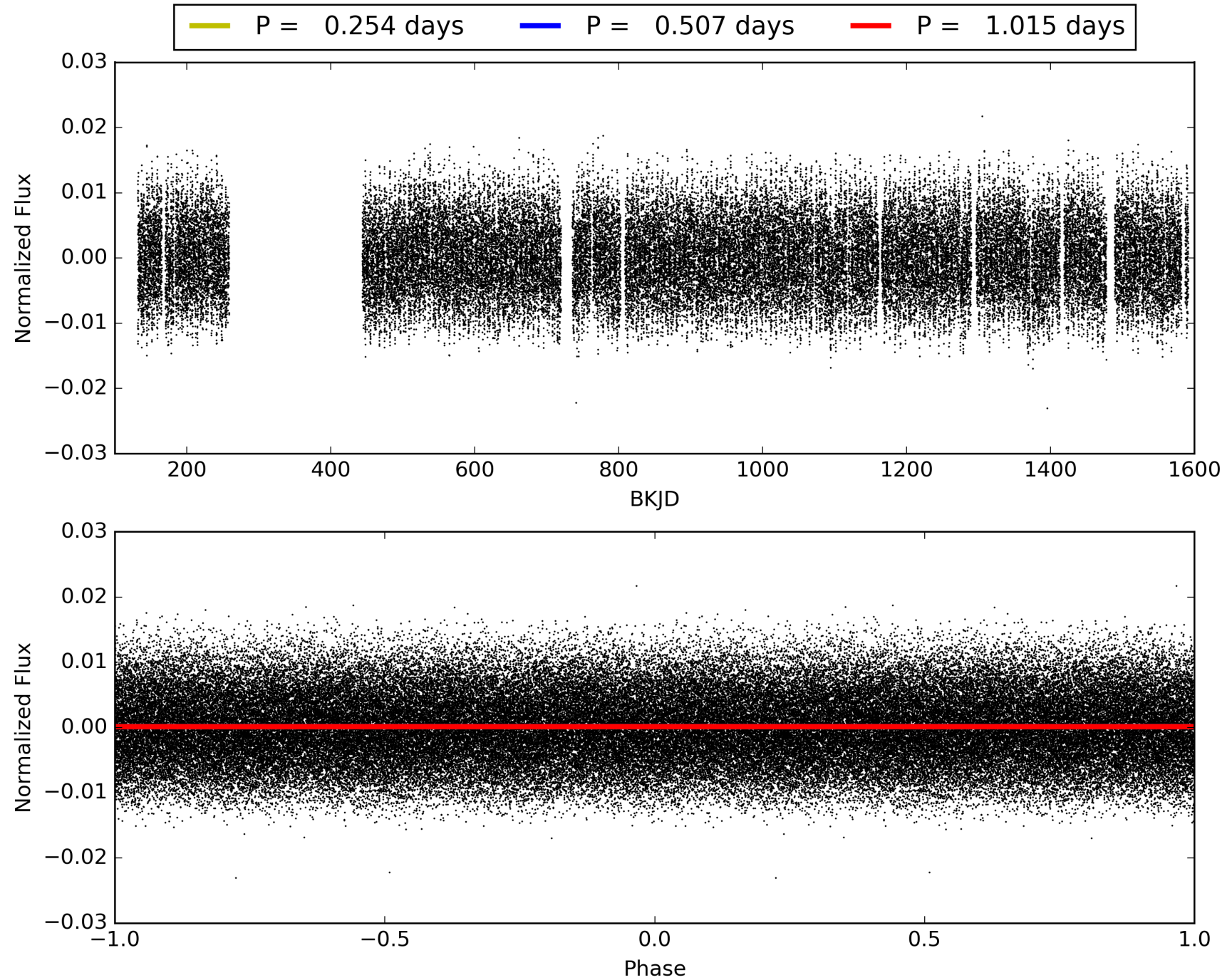
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 02-Feb-2016 08:26:12 Z

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

TCE 008869892-02, PDC Light Curves

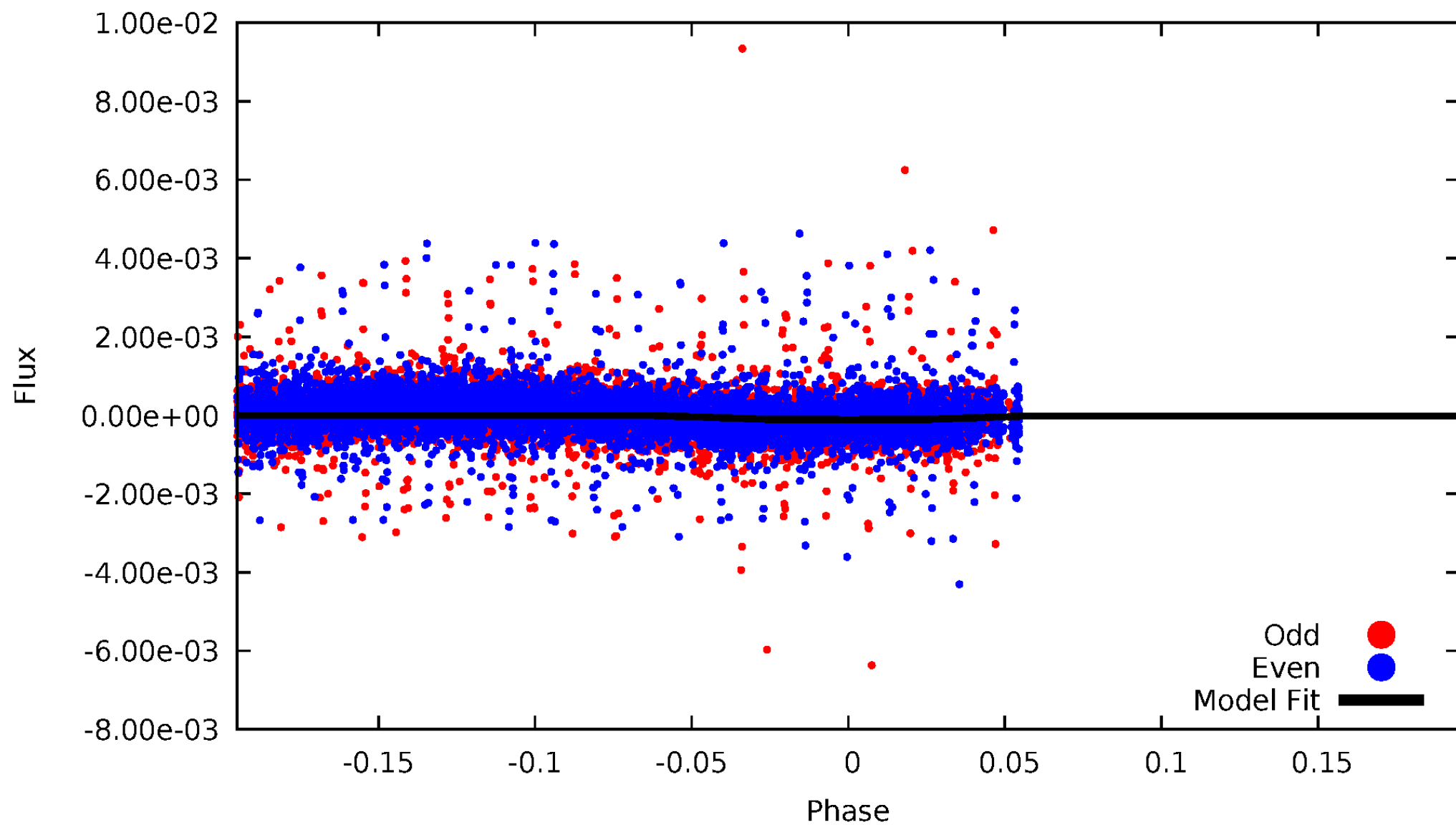


TCE 008869892-02



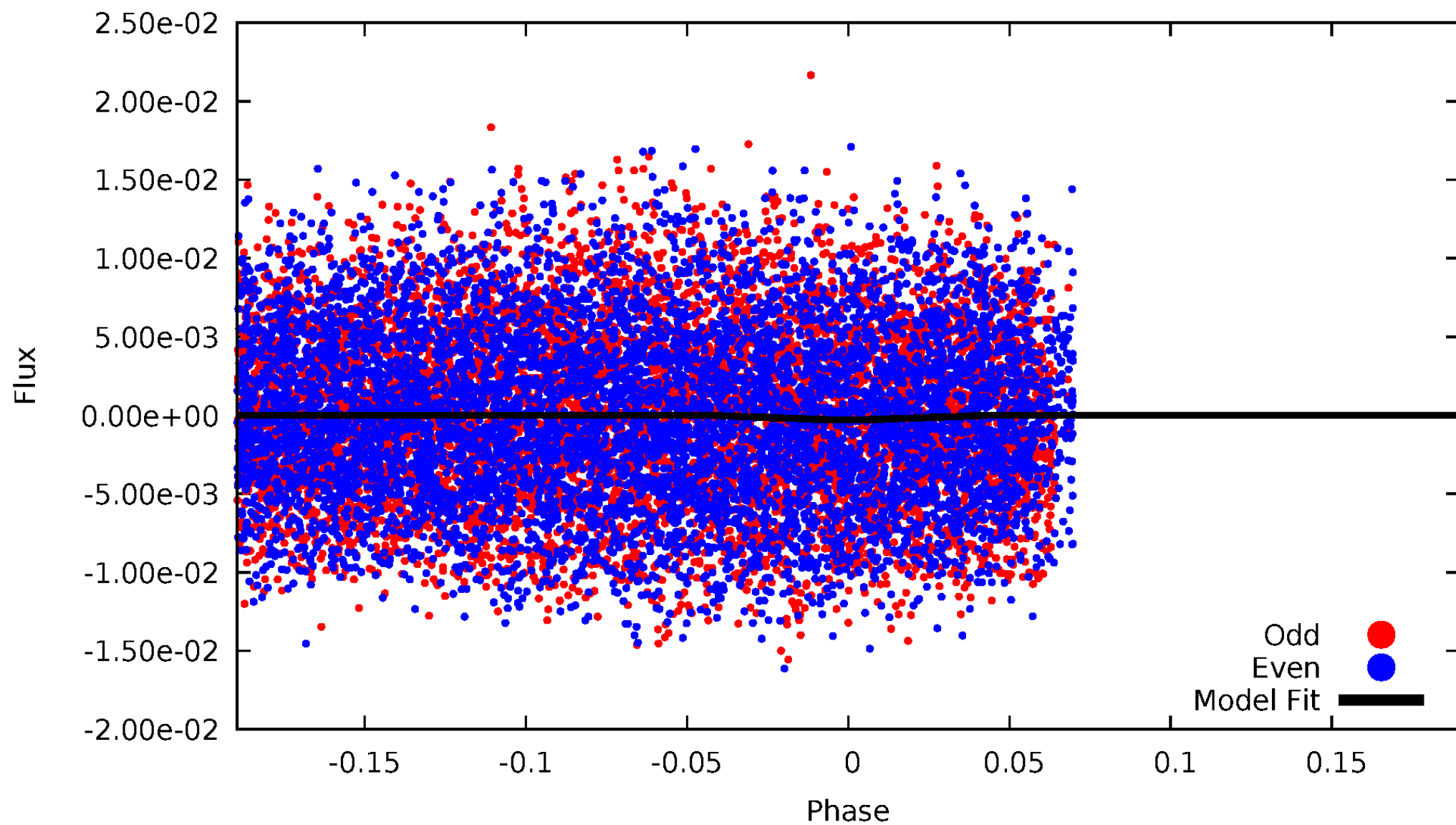
DV Odd/Even

TCE 008869892-02



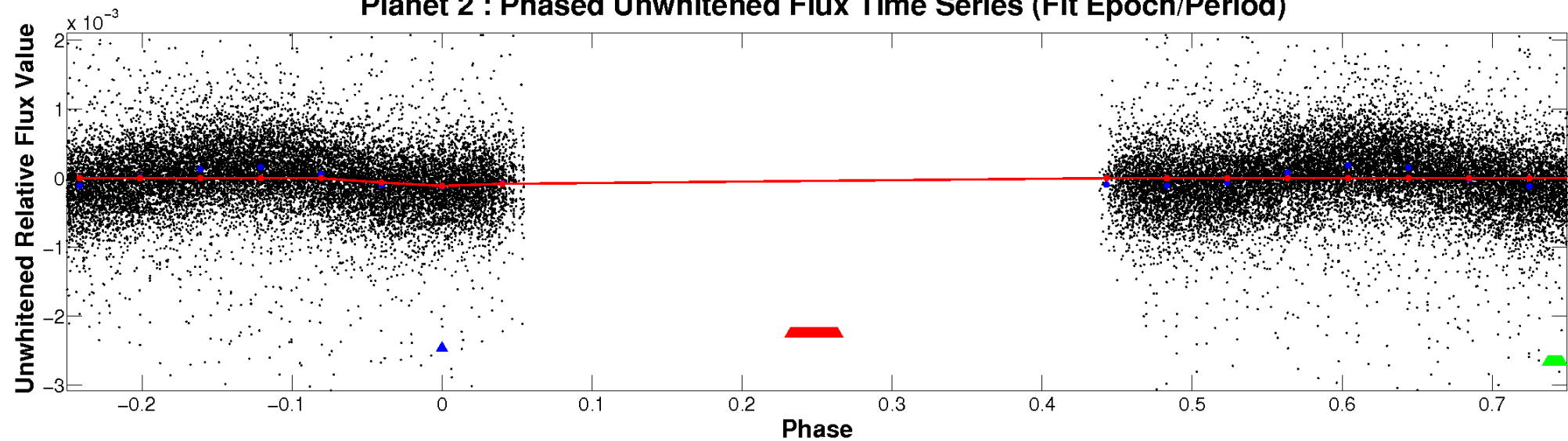
ALT Odd/Even

TCE 008869892-02

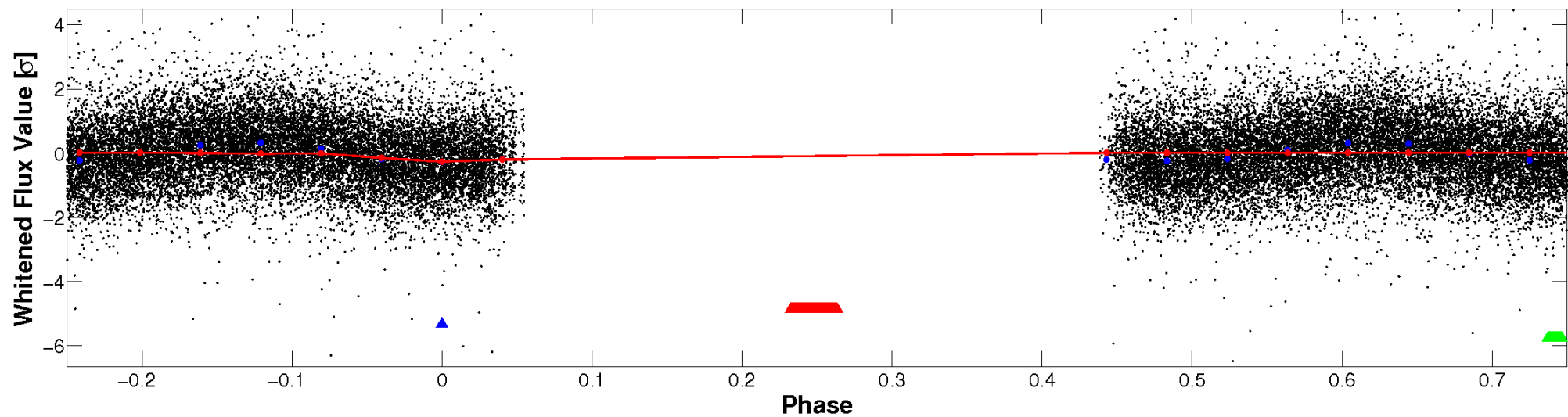


Non-Whitened Vs. Whitened Light Curve

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

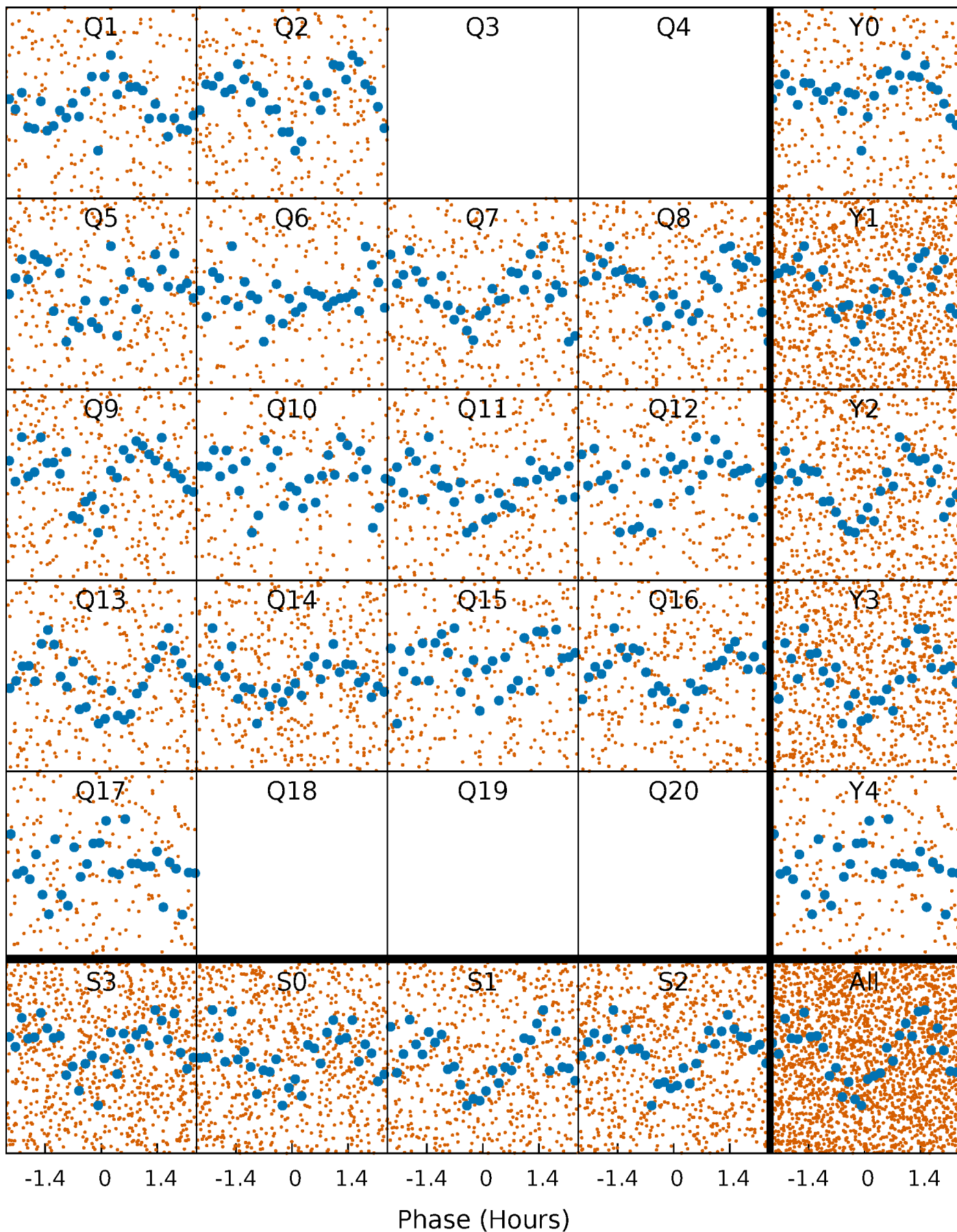


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



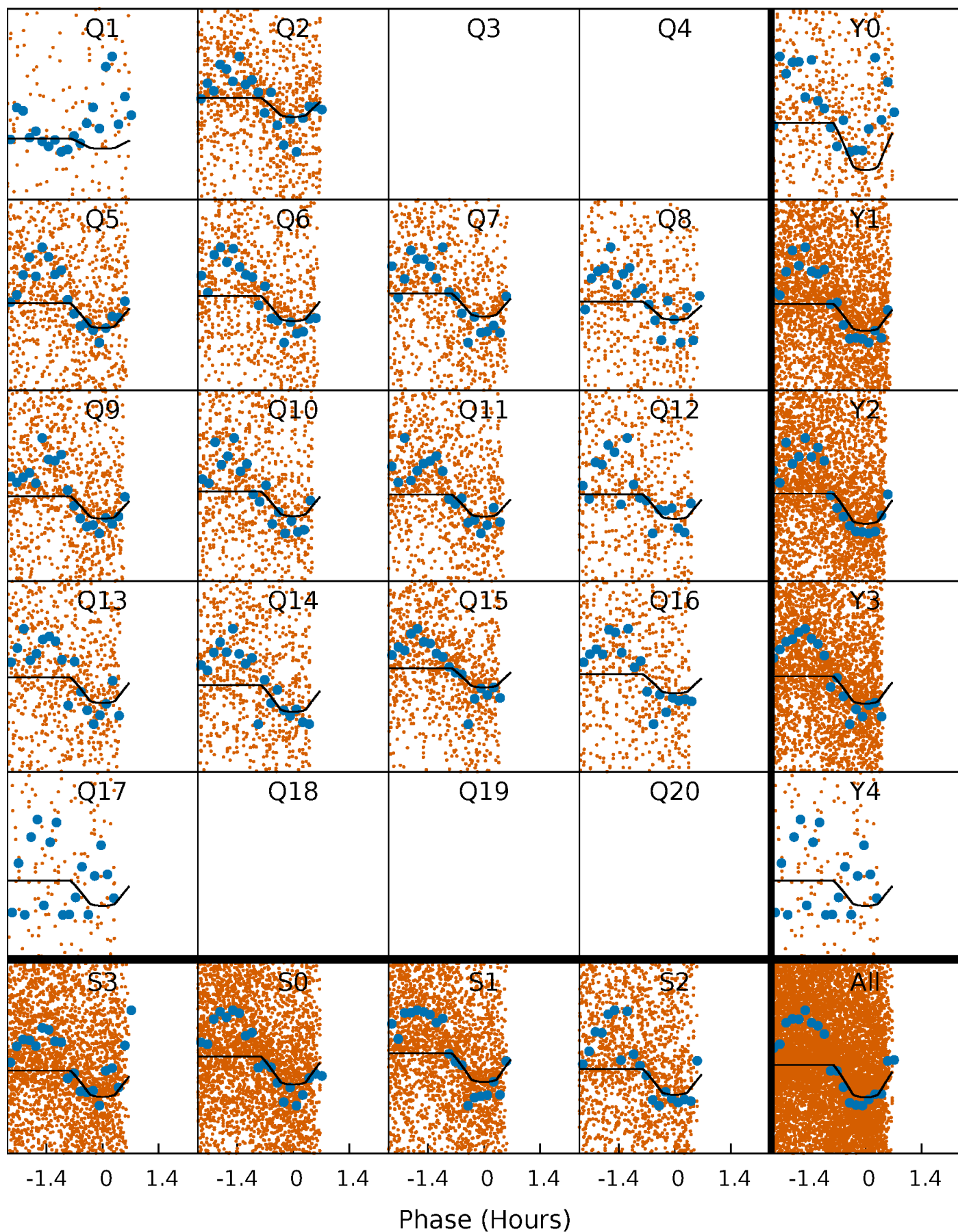
PDC Quarter-Phased Transit Curves

TCE 008869892-02 P= 0.507438 Days $T_0=131.795855$ (BKJD)



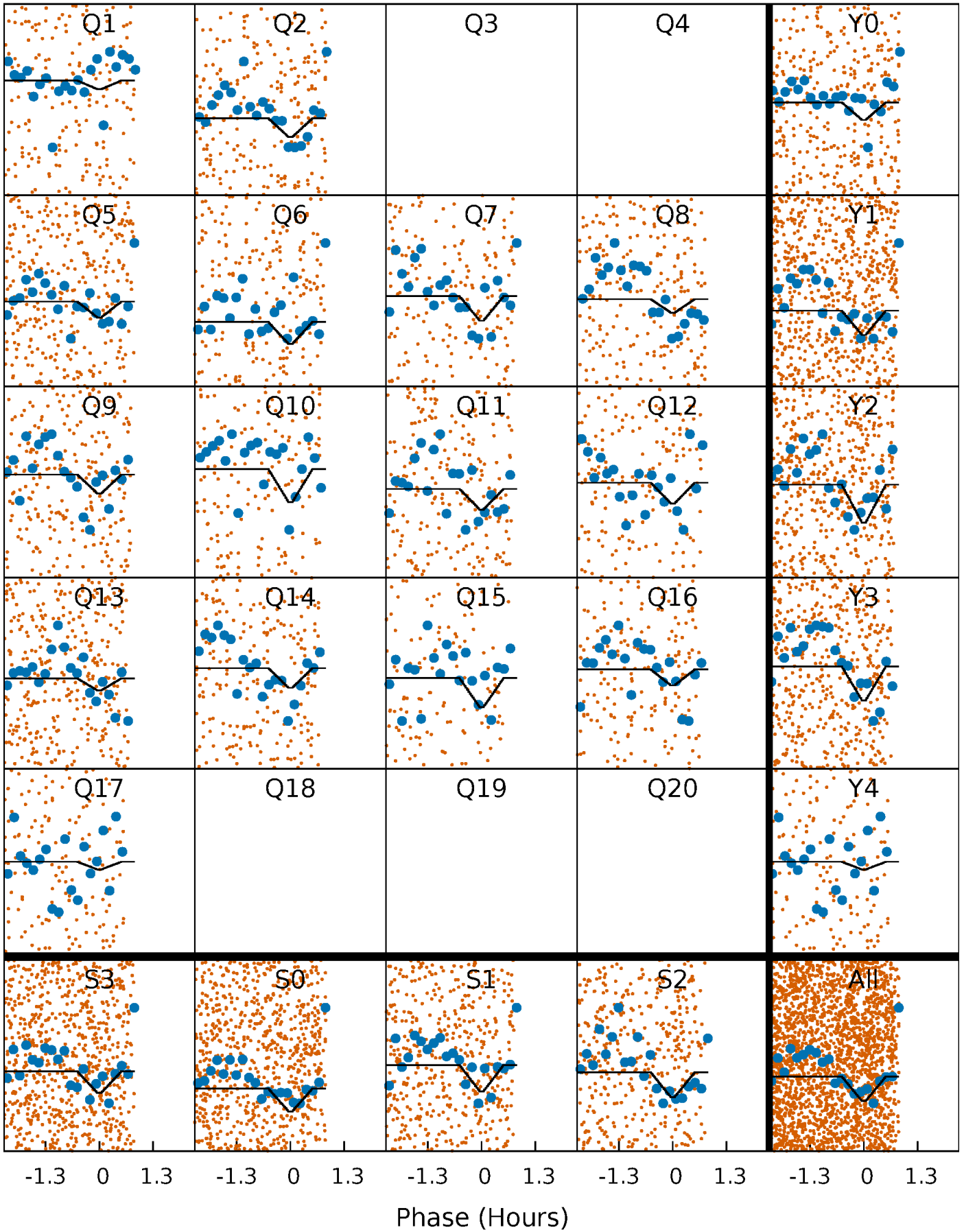
DV Quarter-Phased Transit Curves

TCE 008869892-02 P= 0.507438 Days $T_0=131.795855$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

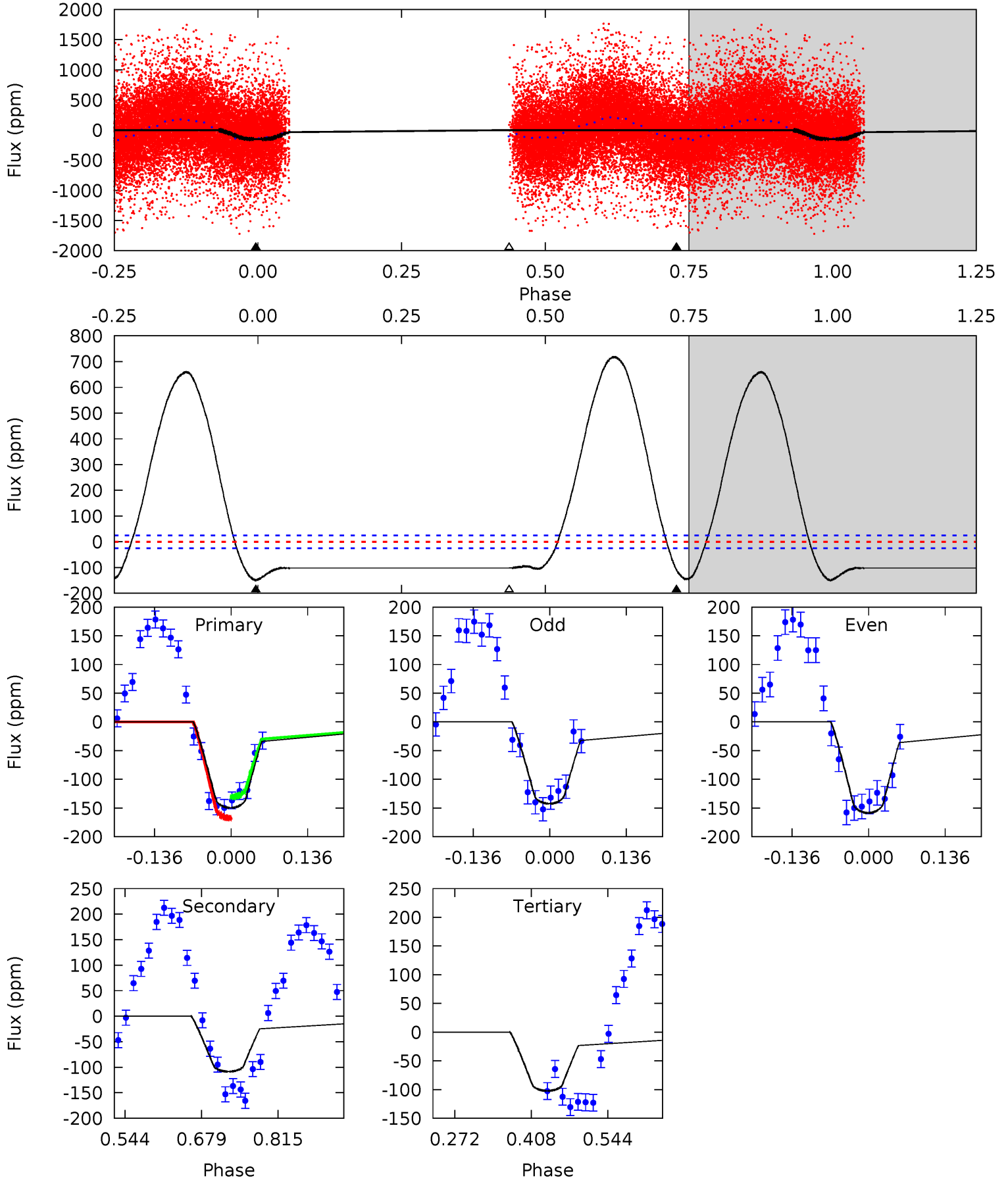
TCE 008869892-02 P= 0.507436 Days $T_0=131.788404$ (BKJD)



DV Model-Shift Uniqueness Test

008869892-02, P = 0.507438 Days, E = 131.288417 Days

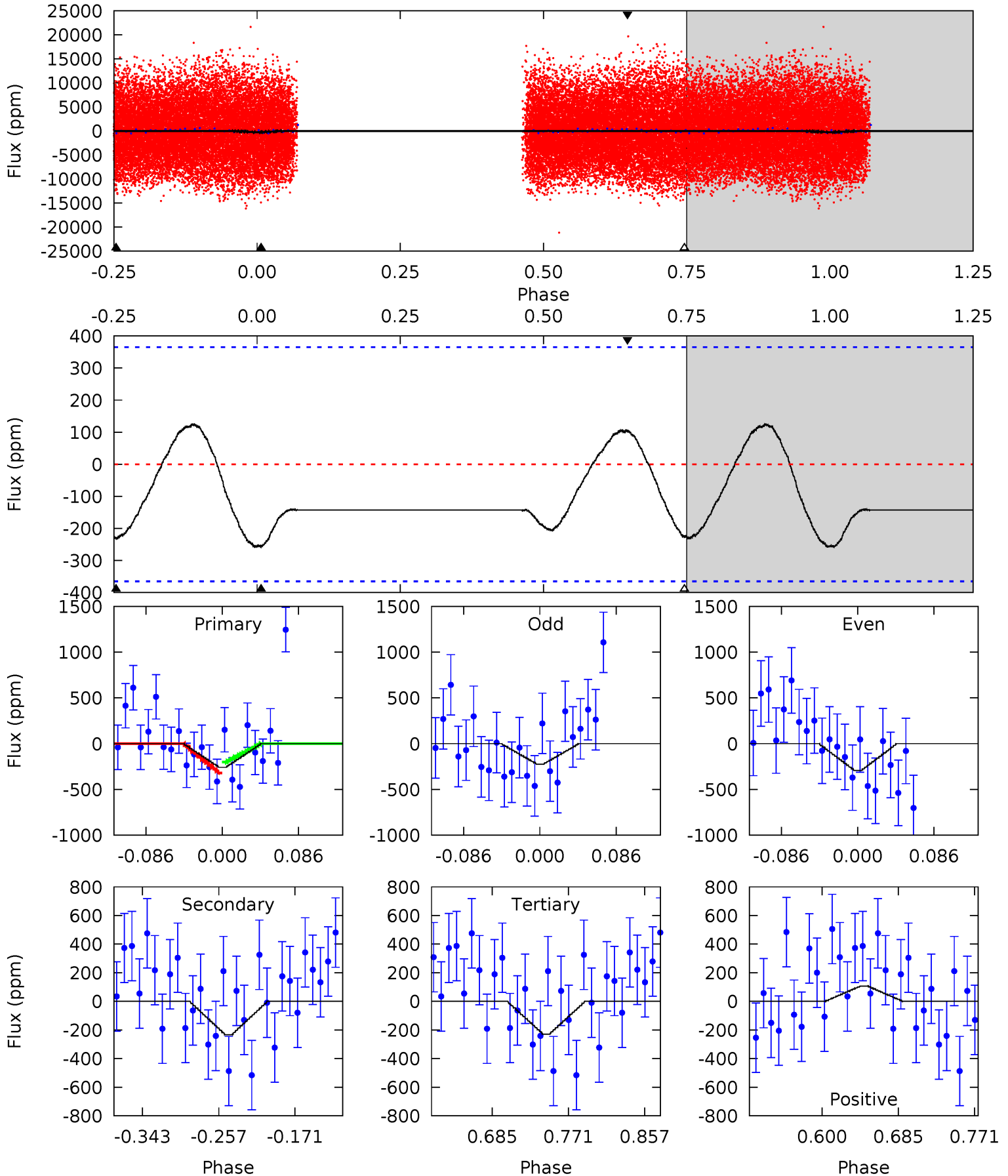
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
27.1	19.6	18.5	0	4.50	1.49	42.4	8.61	27.1	1.14	19.6	1.46	0.91	0.83	3.37



Alt Model-Shift Uniqueness Test

008869892-02, P = 0.507436 Days, E = 131.280968 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.27	2.93	2.88	1.35	4.60	1.72	1.49	0.39	1.91	0.06	1.58	0.45	0.65	0.33	0.79



Stellar Parameters For KIC 008869892

	$T_{\text{eff}} (K)$	$\log(g)$	$[\text{Fe}/\text{H}]$	$R (R_{\odot})$	$M (M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6850^{+189}_{-283}	$4.050^{+0.190}_{-0.190}$	$0.060^{+0.250}_{-0.350}$	$1.929^{+0.603}_{-0.548}$	$1.522^{+0.220}_{-0.269}$	$0.299^{+0.370}_{-0.144}$
	+3%/-4%	+5%/-5%	+417%/-583%	+31%/-28%	+14%/-18%	+124%/-48%
Source	PHO54	PHO54	PHO54	DSEP		

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

Secondary Eclipse Parameters for KIC 008869892-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-108 ± 6	$2.30^{+1.23}_{-1.03}$	4877^{+426}_{-334}	6299^{+3070}_{-1297}	$2.277^{+5.079}_{-1.296}$
Alt.	-233 ± 79	$3.64^{+1.41}_{-1.16}$	4889^{+397}_{-365}	5994^{+1664}_{-1134}	$1.930^{+2.346}_{-1.051}$

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

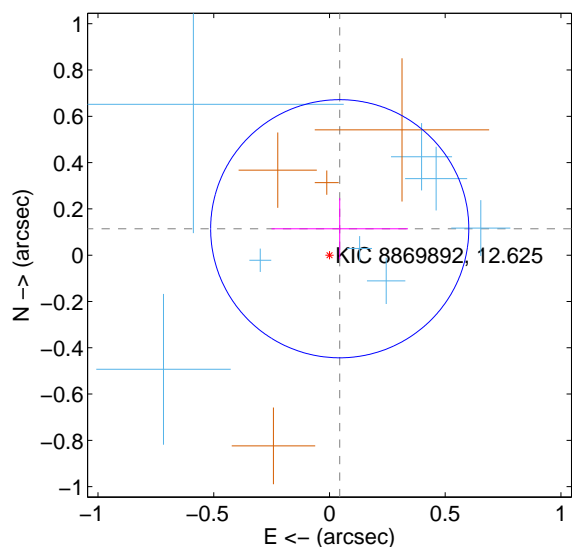
Supplemental centroid analysis for 008869892-02. Kepler magnitude: 12.62. Transit SNR 16.09

There are 9 quarters with good PRF difference image offsets

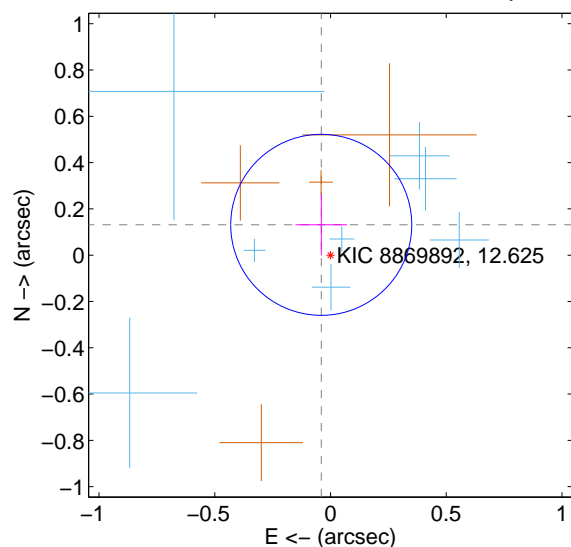
The direct PRF centroid is offset from the target star catalog position by about 0.03 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.123 ± 0.186	0.66	-0.044 ± 0.295	0.114 ± 0.132
PRF-fit source offset from KIC position	0.137 ± 0.130	1.05	0.040 ± 0.111	0.131 ± 0.132
photometric centroid source offset	0.46 ± 0.14	3.36	0.44 ± 0.14	-0.13 ± 0.15

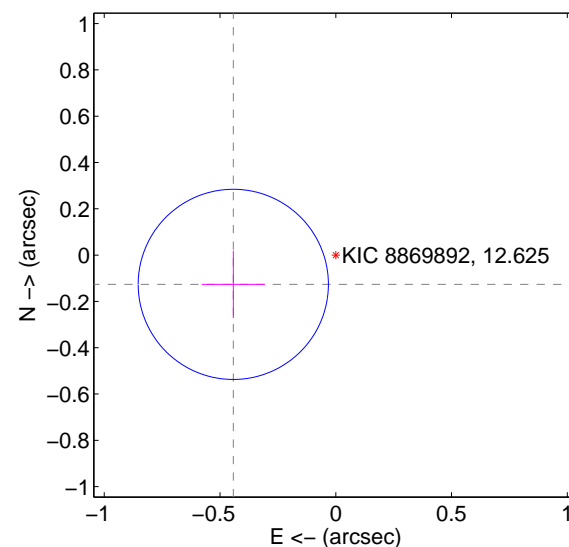
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

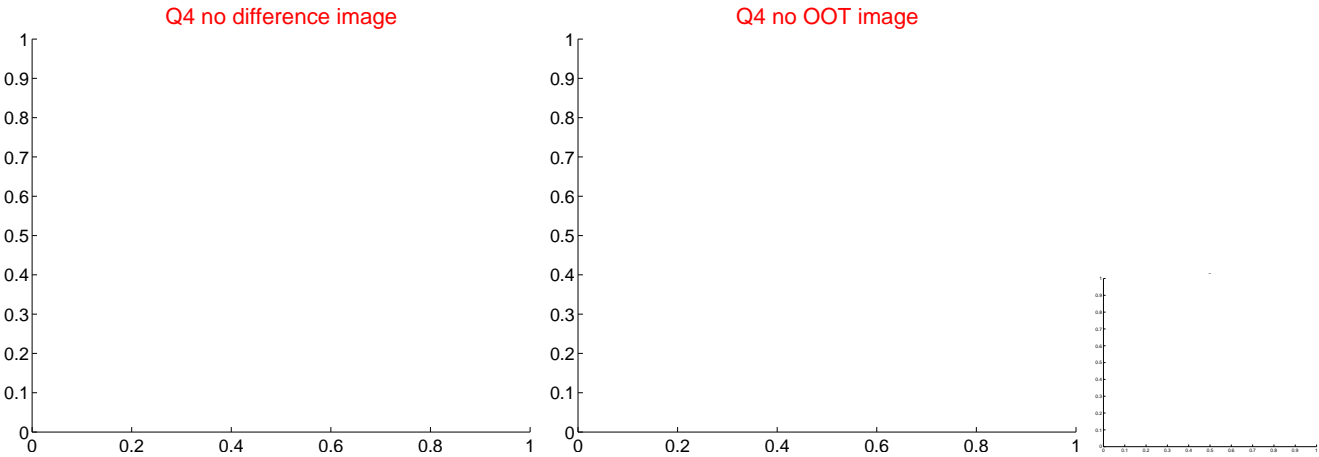
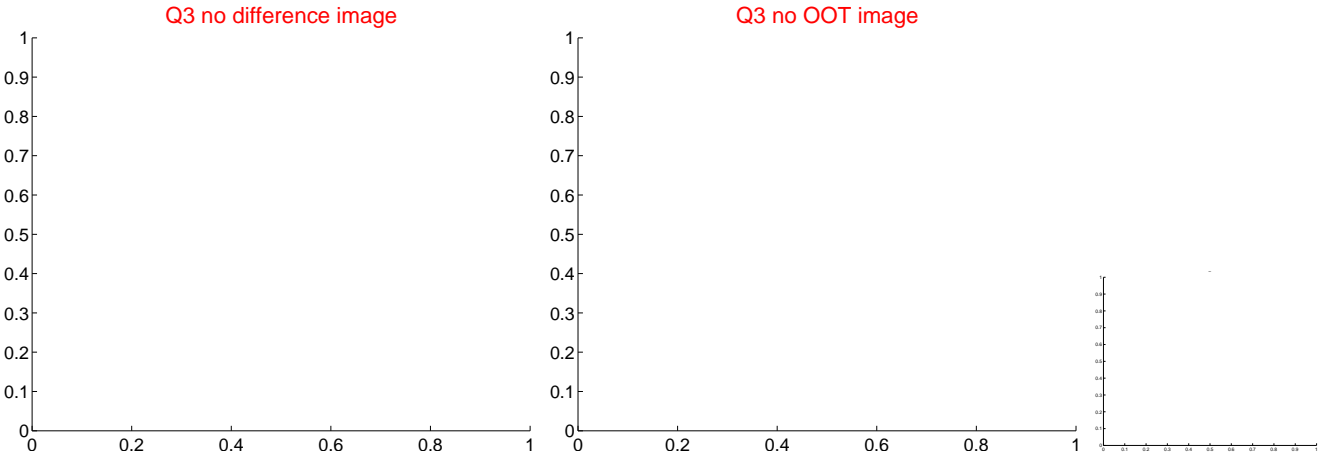
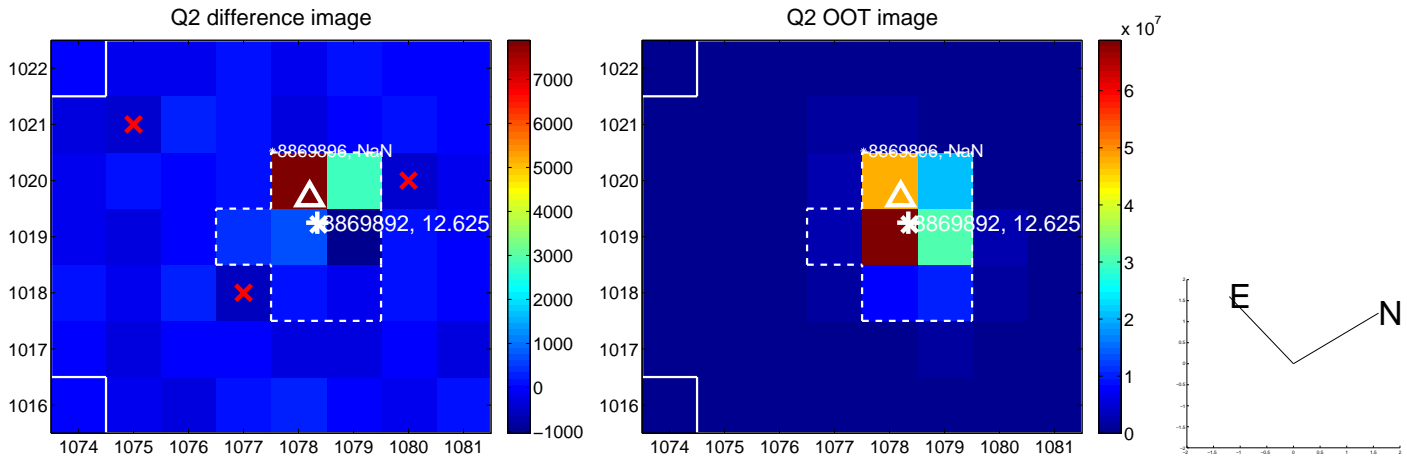
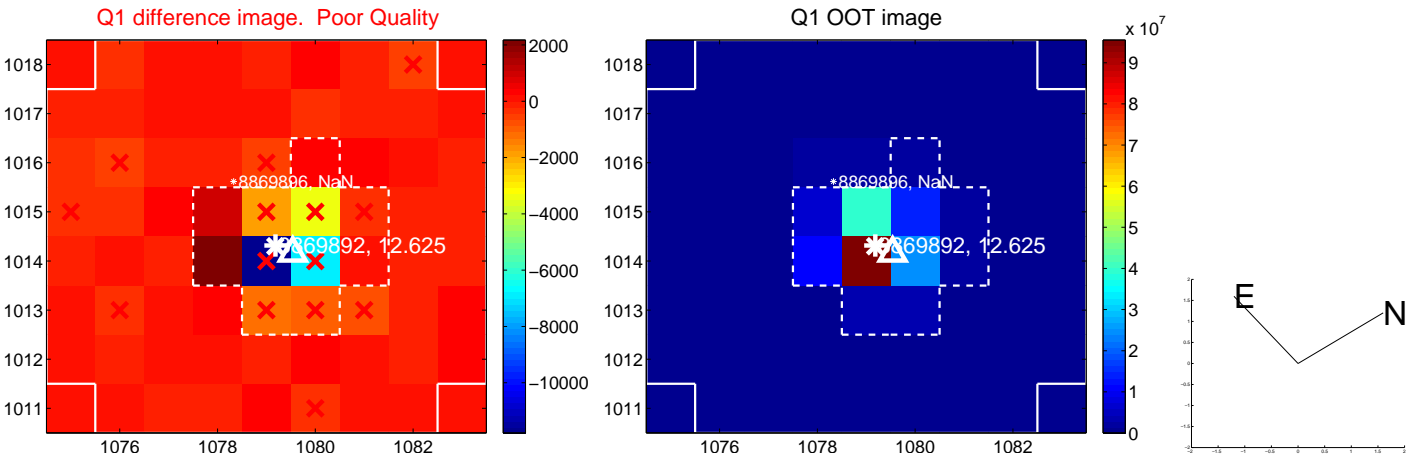


offset from photometric centroids

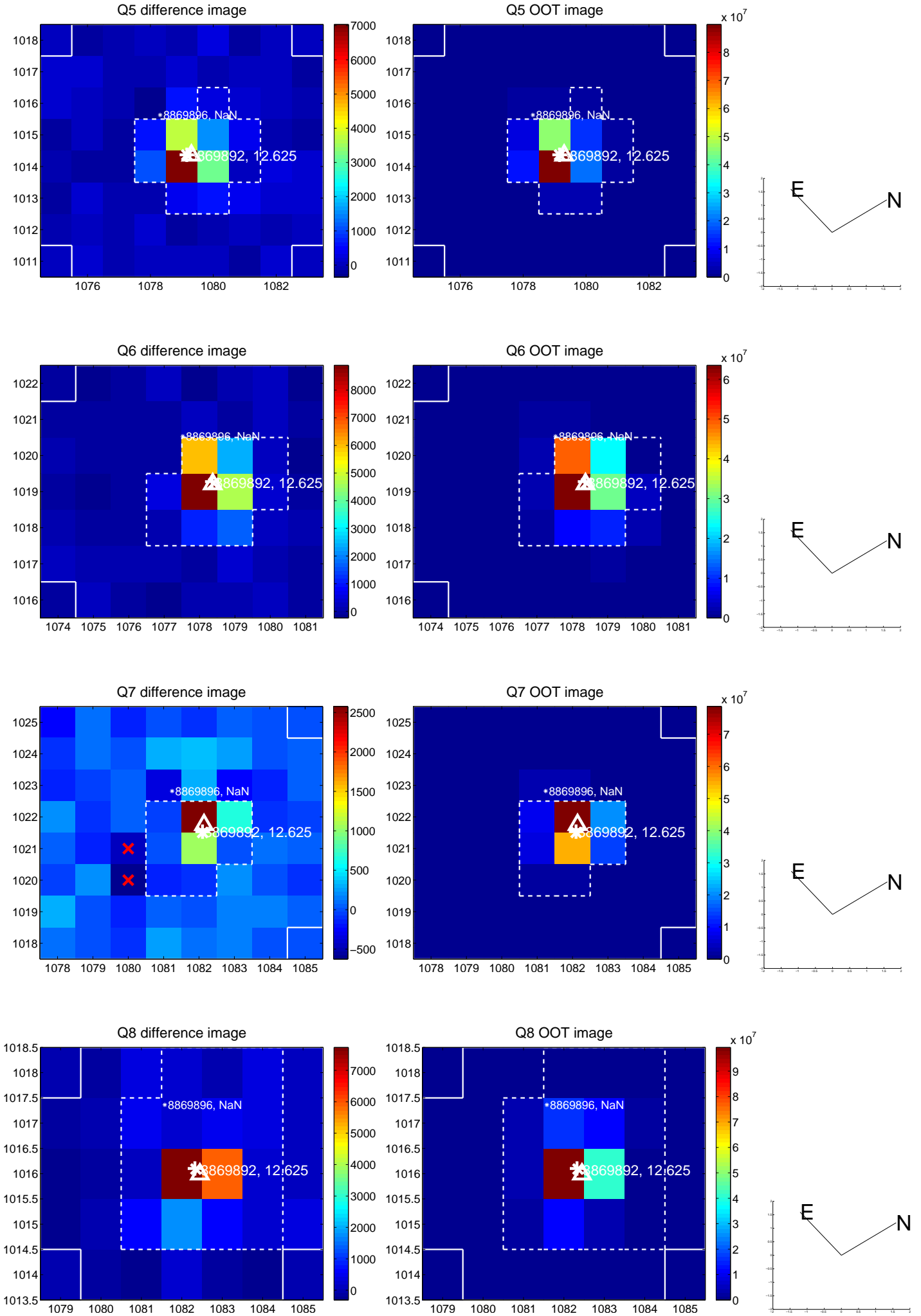


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

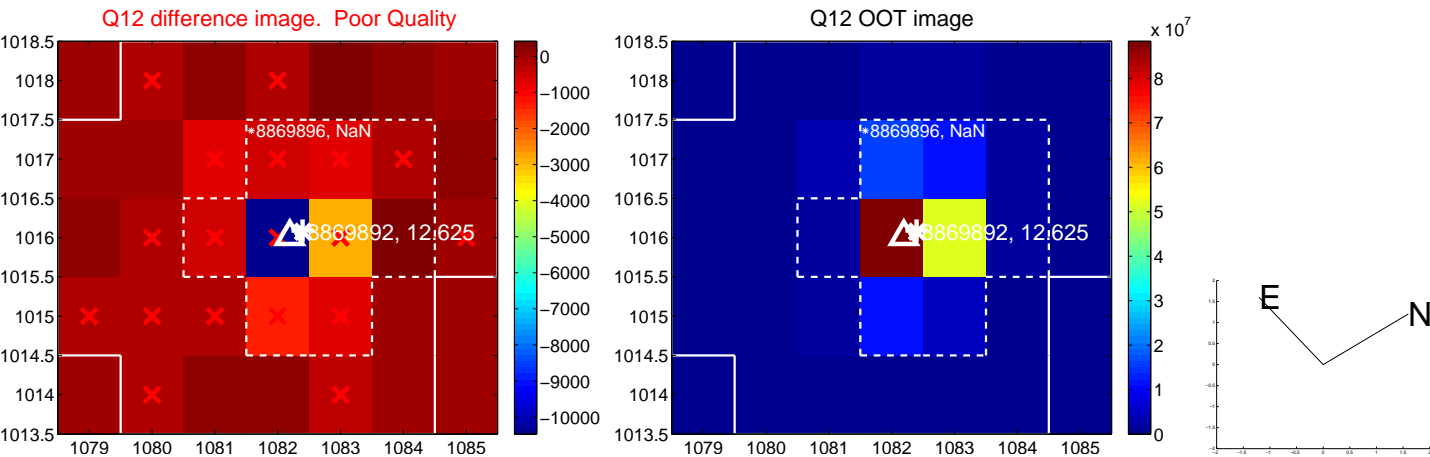
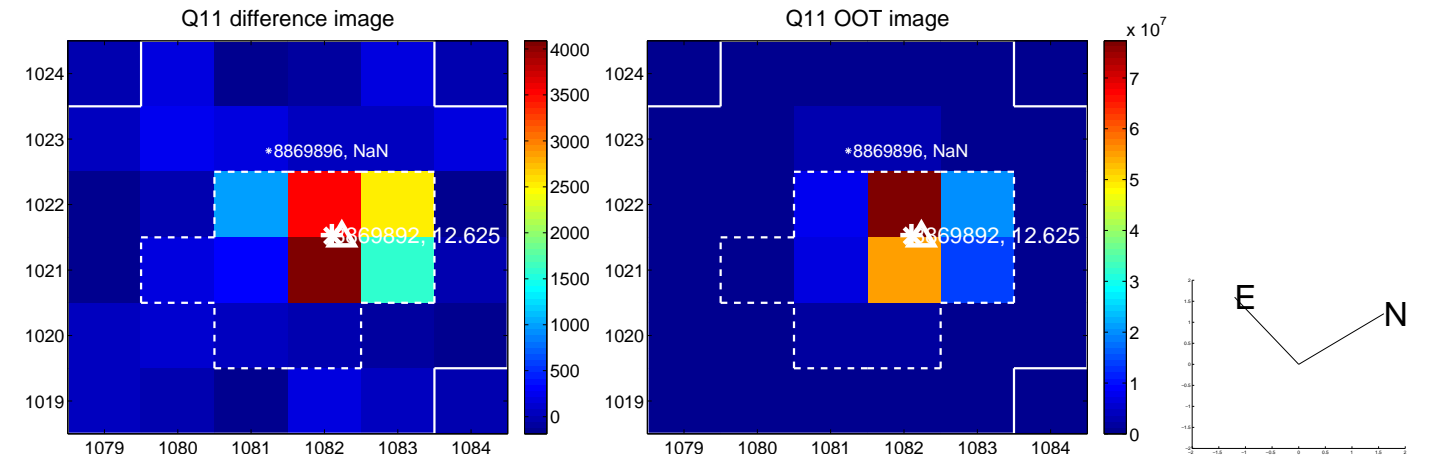
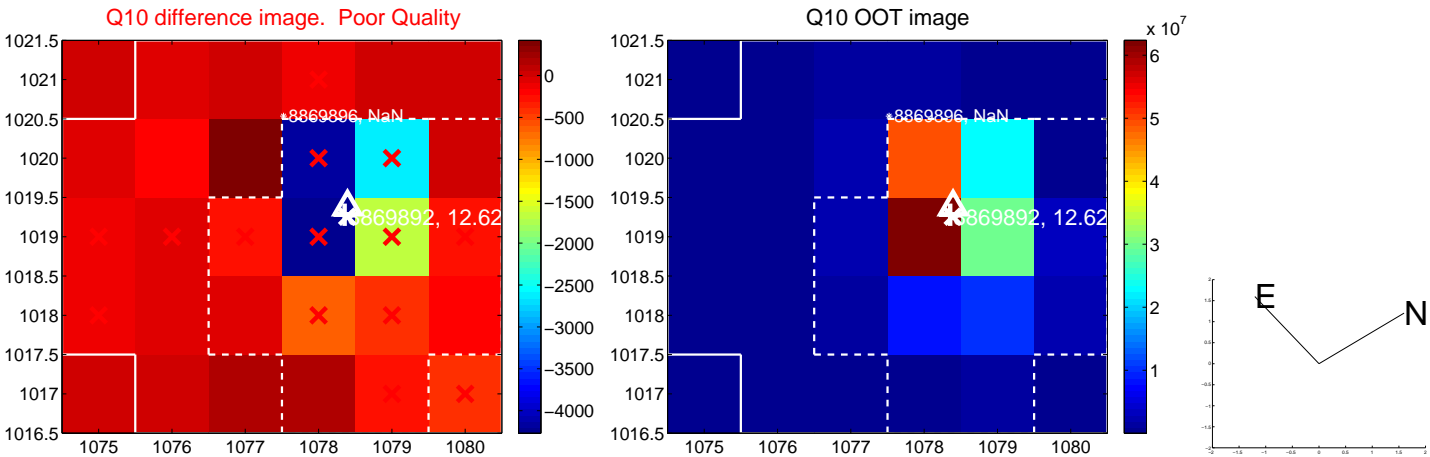
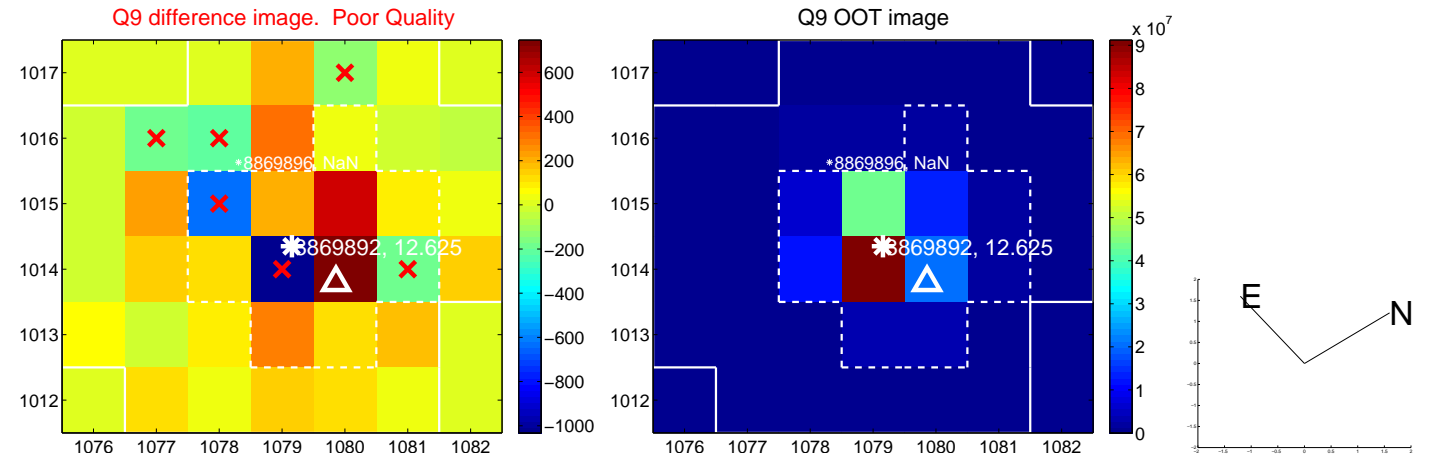
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



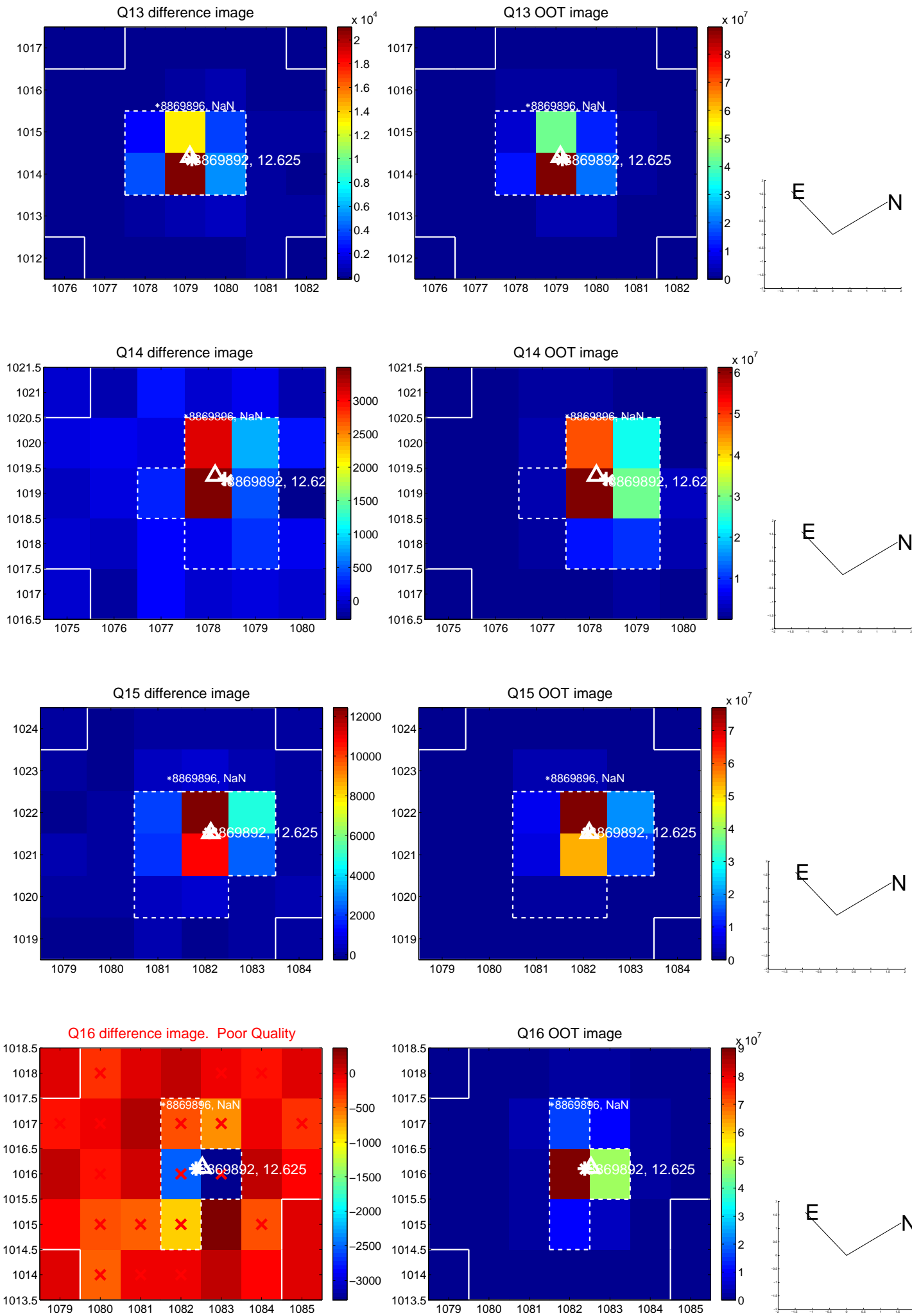
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



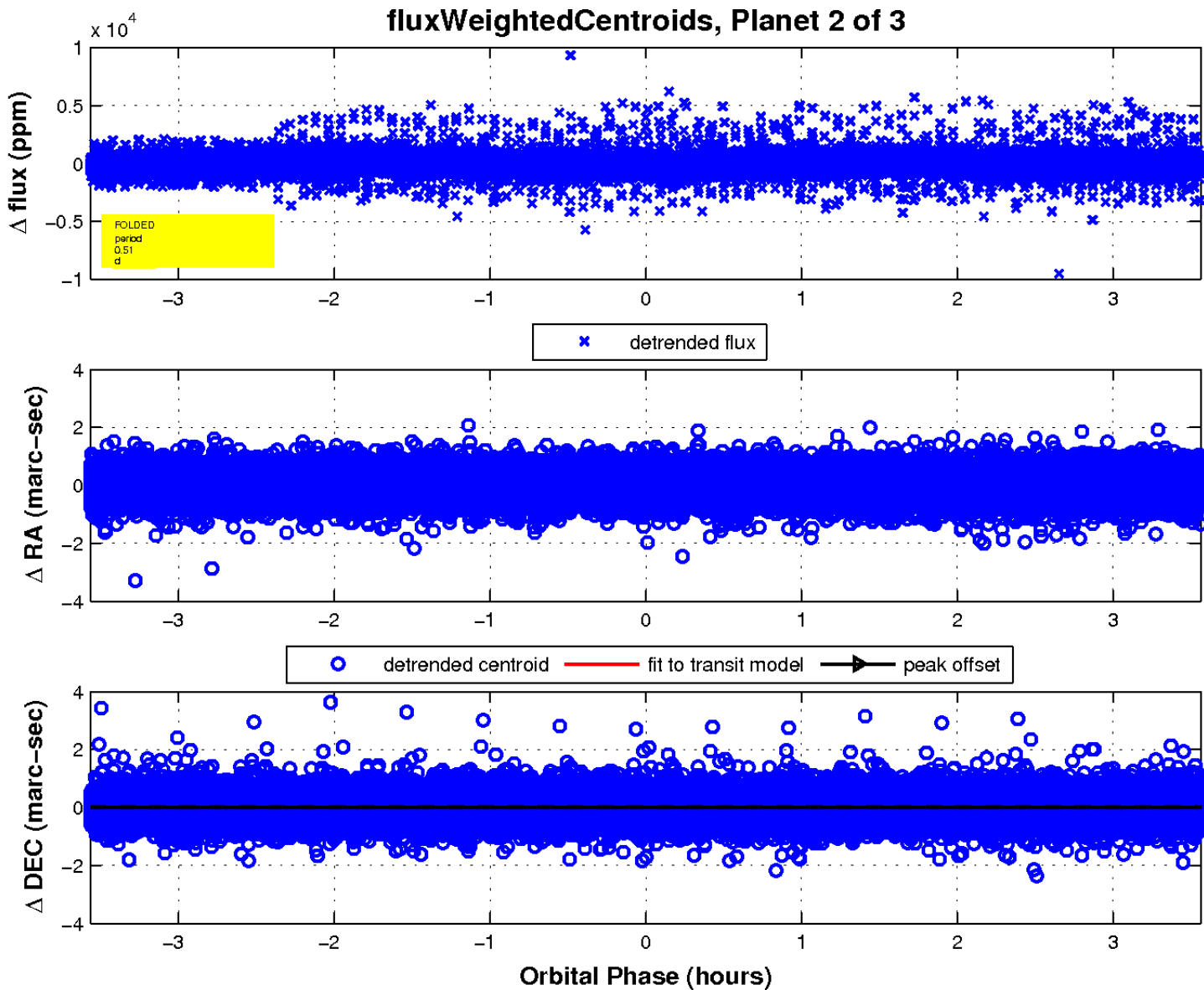
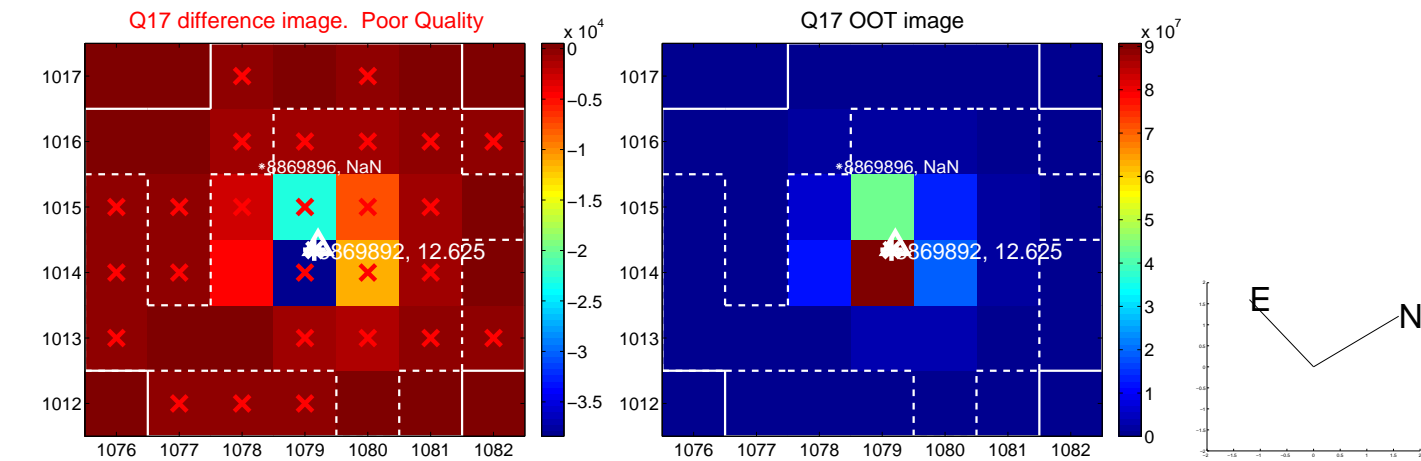
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

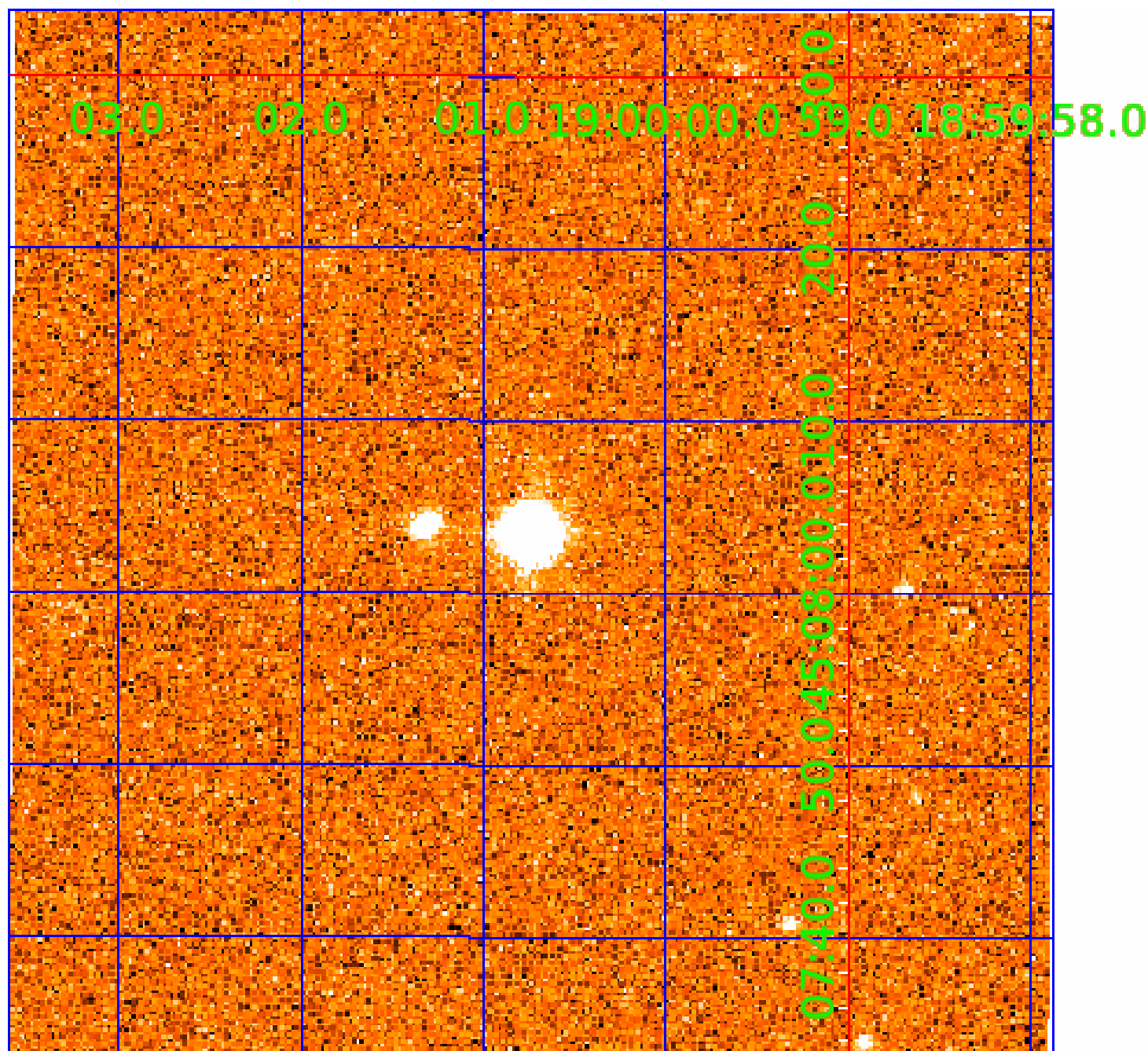


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 008869892

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})
008869892-01	OBS	No	0.507432	131.929606	93.1	1.019	13.7	13.6	1.93	6850	1.90	35758.07
008869892-02	OBS	No	0.507438	131.795855	112.4	1.188	14.0	16.1	1.93	6850	2.39	35757.55
008869892-03	OBS	No	0.507436	131.667244	385.4	1.500	13.3	-1.0	1.93	6850	3.83	35757.71

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008869892-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
008869892-02	OBS	FP	0.00	1	0	1	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD—HALO_GHOST
008869892-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_NOFITS

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

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

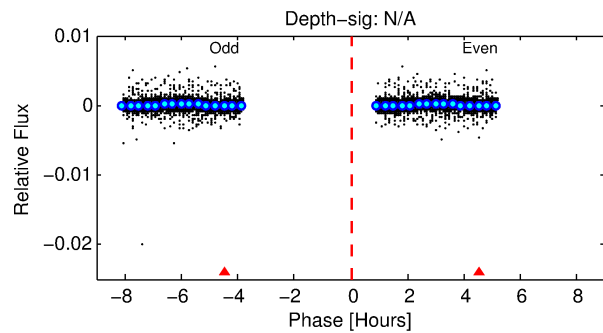
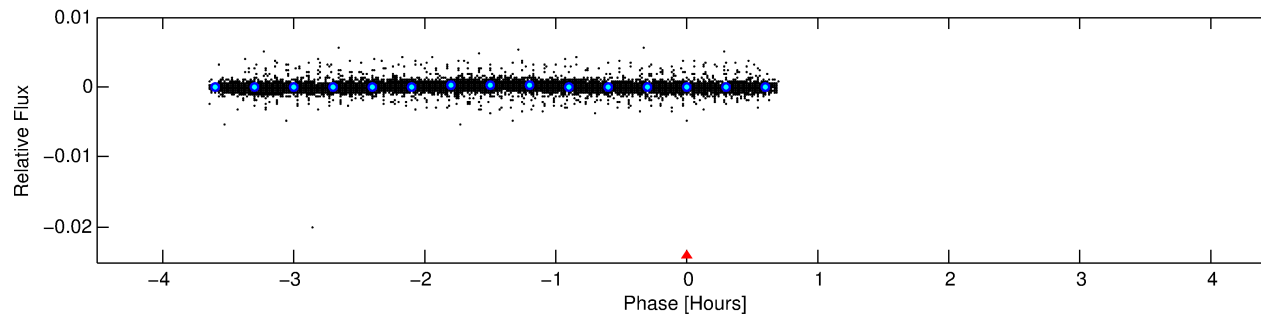
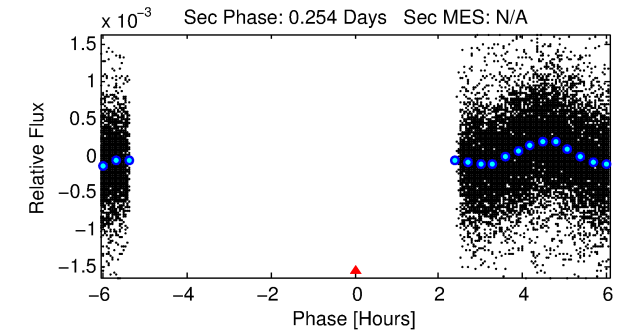
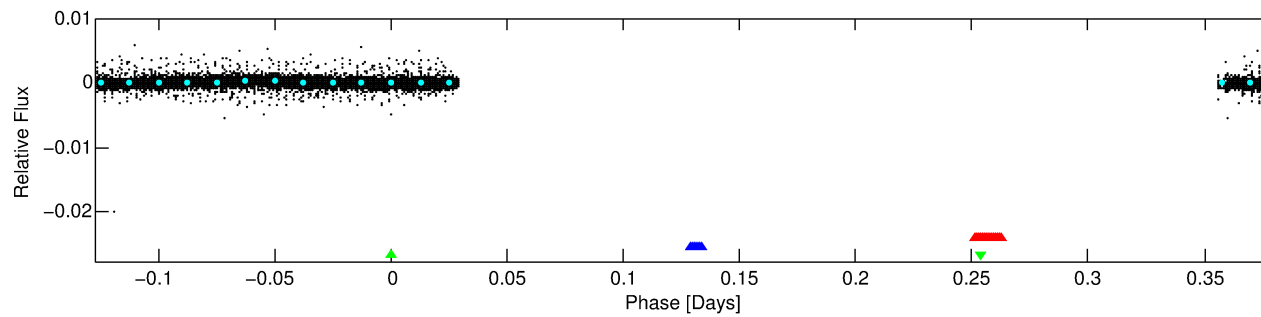
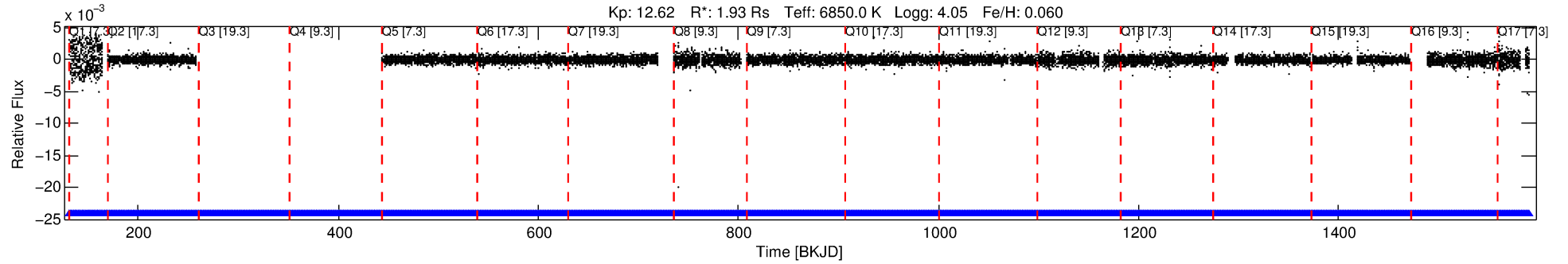
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008869892-03

No Significant Match Found

DV One-Page Summary

KIC: 8869892 Candidate: 3 of 3 Period: 0.507 d



TPS TCE Results:

Period = 0.50744 d
Epoch = 131.6672 BKJD

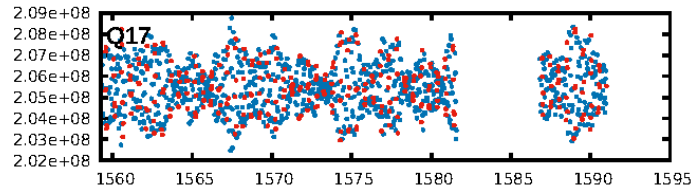
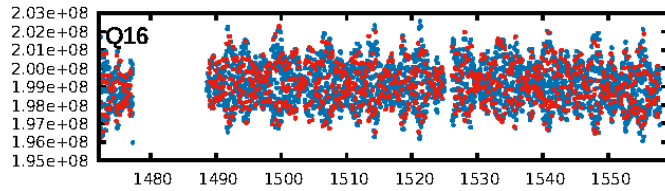
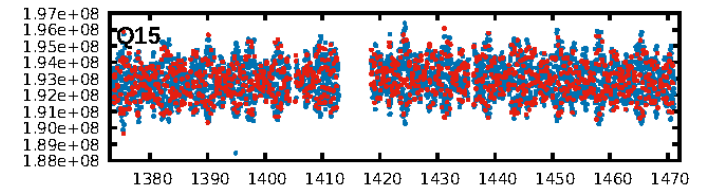
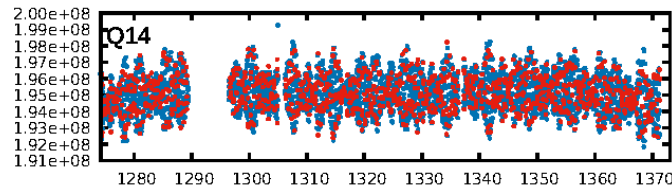
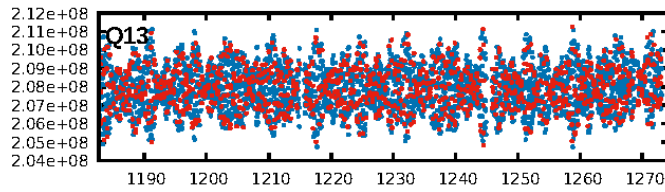
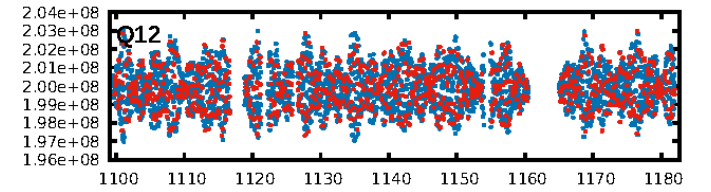
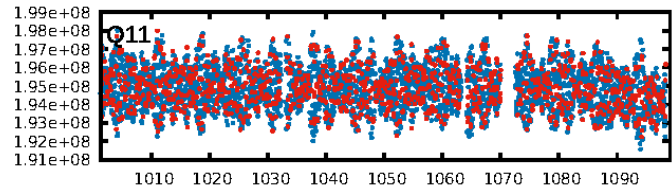
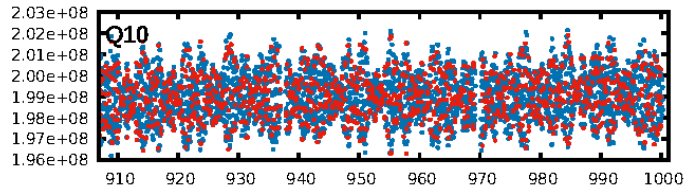
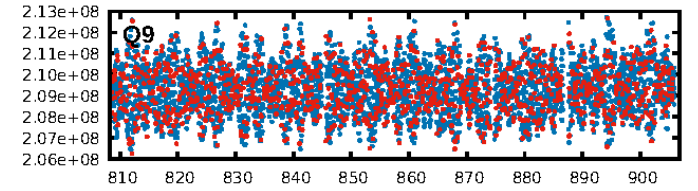
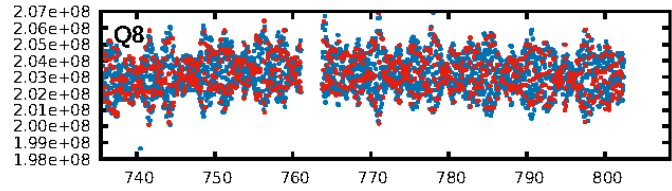
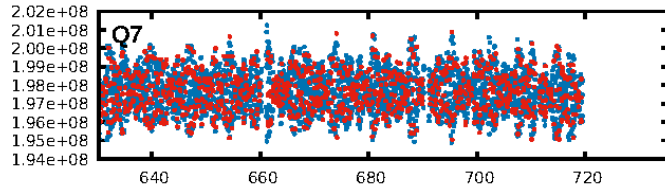
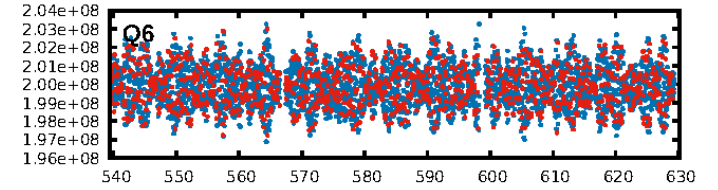
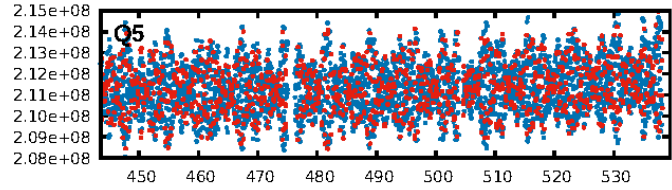
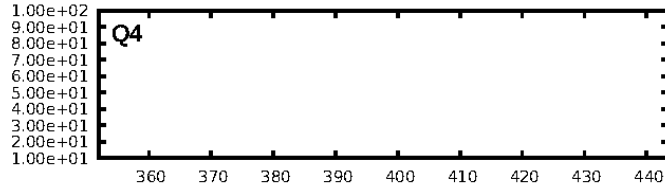
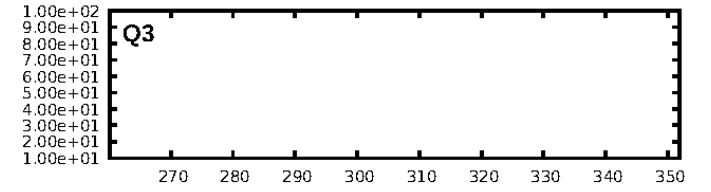
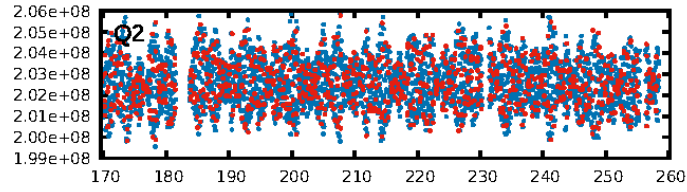
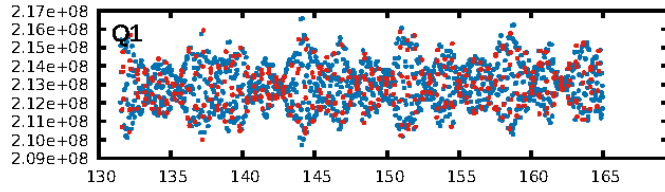
DV fit results are unavailable

DV Diagnostic Results:

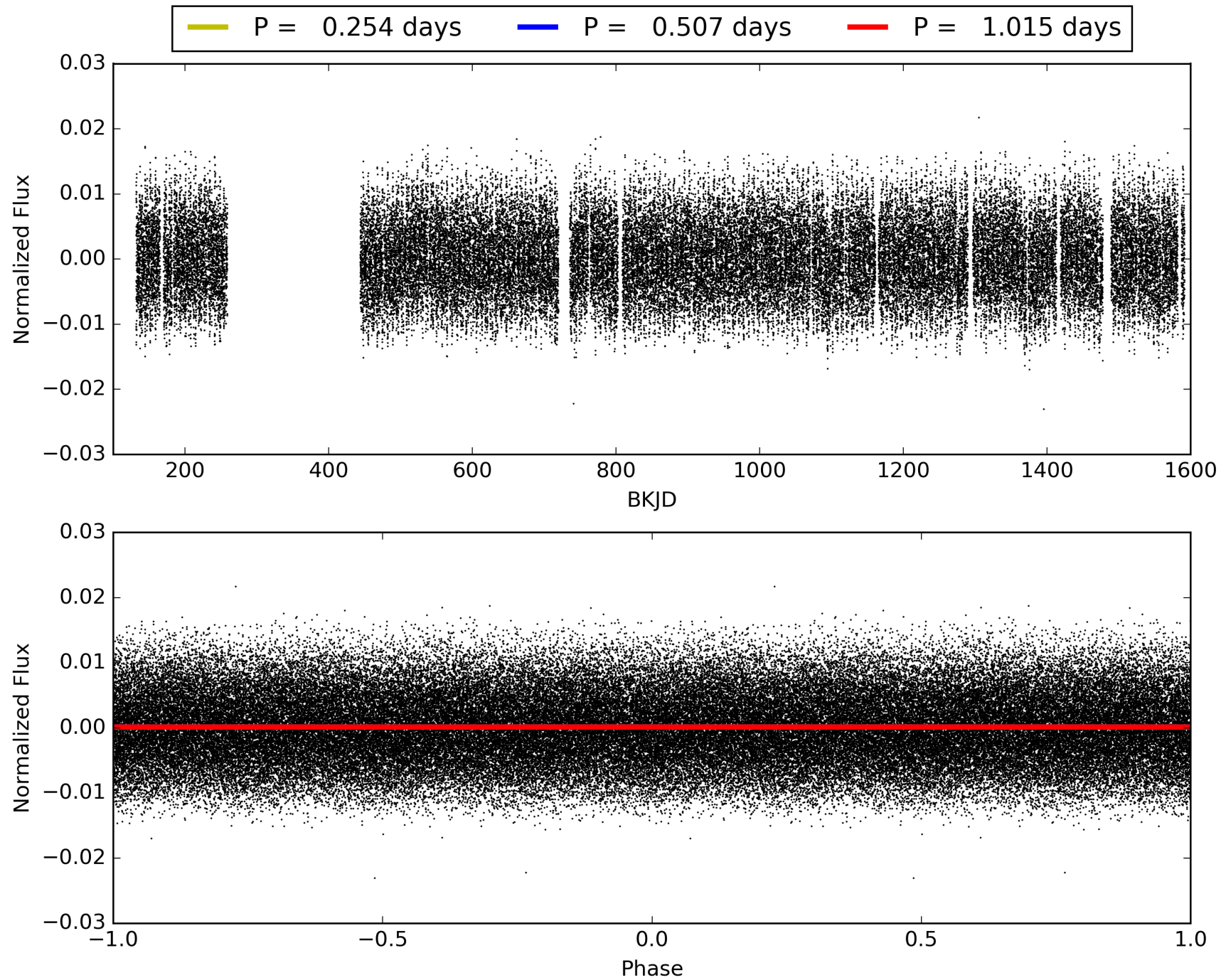
ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: N/A
GhostDiagnostic-chr: N/A

Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: N/A
KicOffset-rm: N/A
OotOffset-st: 0/0/0/0 [0]
KicOffset-st: 0/0/0/0 [0]
DiffImageQuality-fgm: N/A
DiffImageOverlap-fno: N/A

TCE 008869892-03, PDC Light Curves

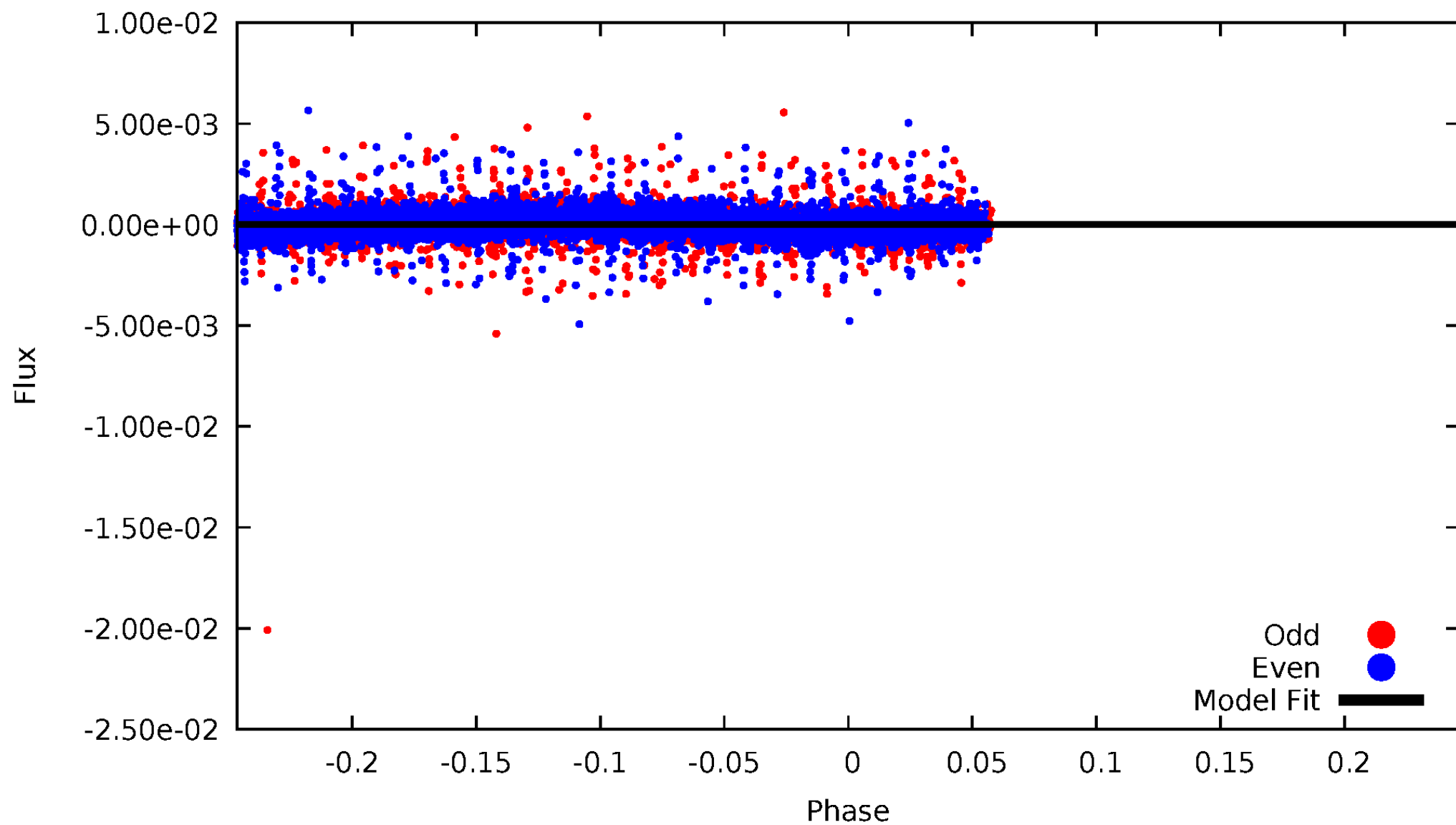


TCE 008869892-03



DV Odd/Even

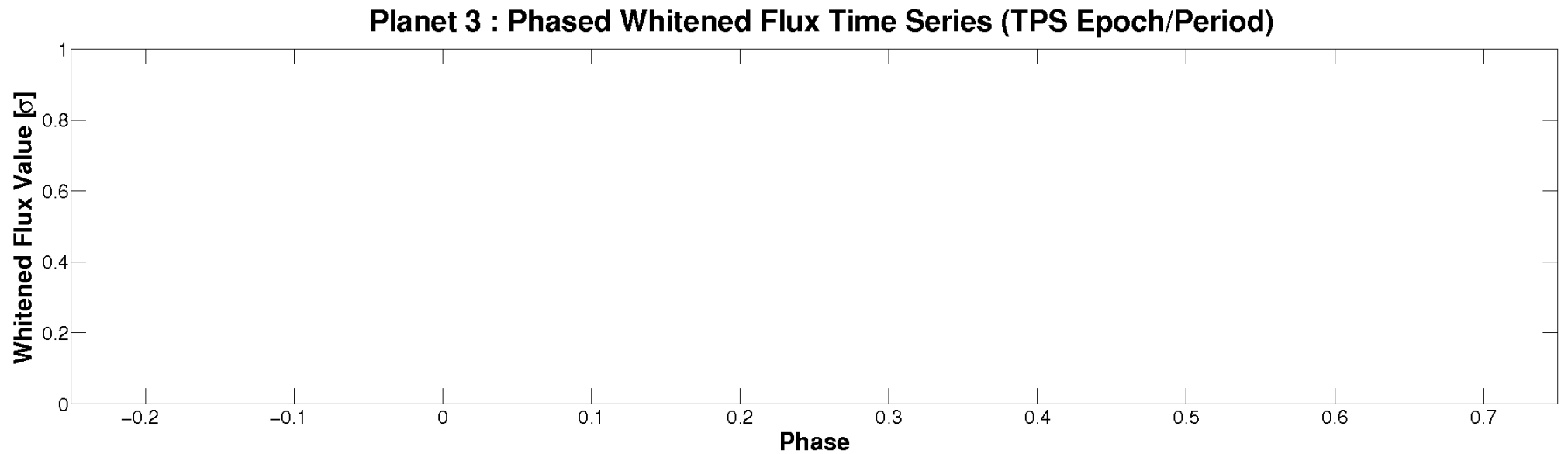
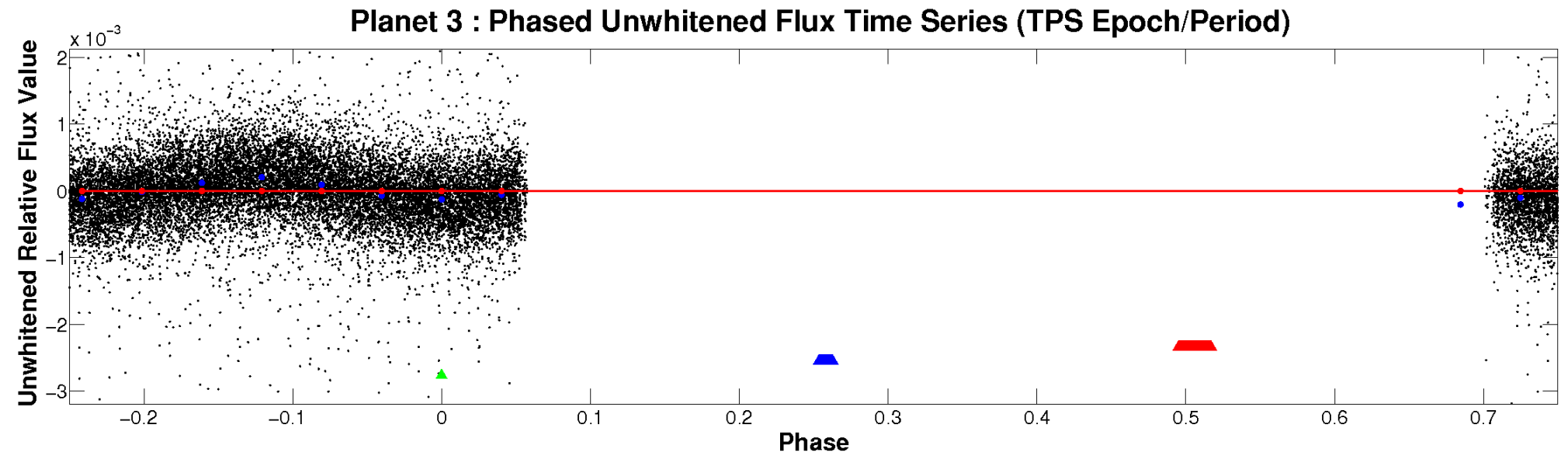
TCE 008869892-03



ALT Odd/Even

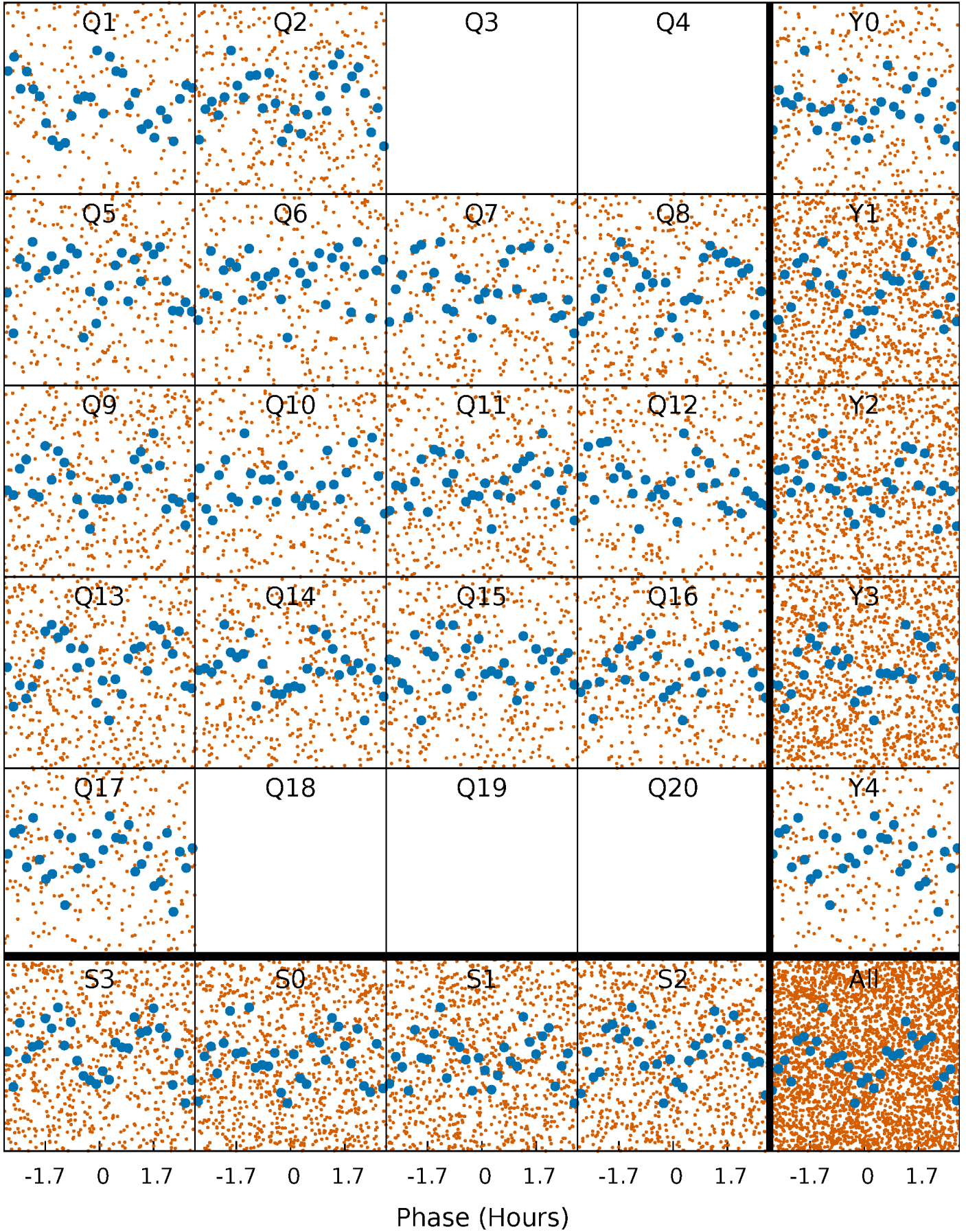
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve



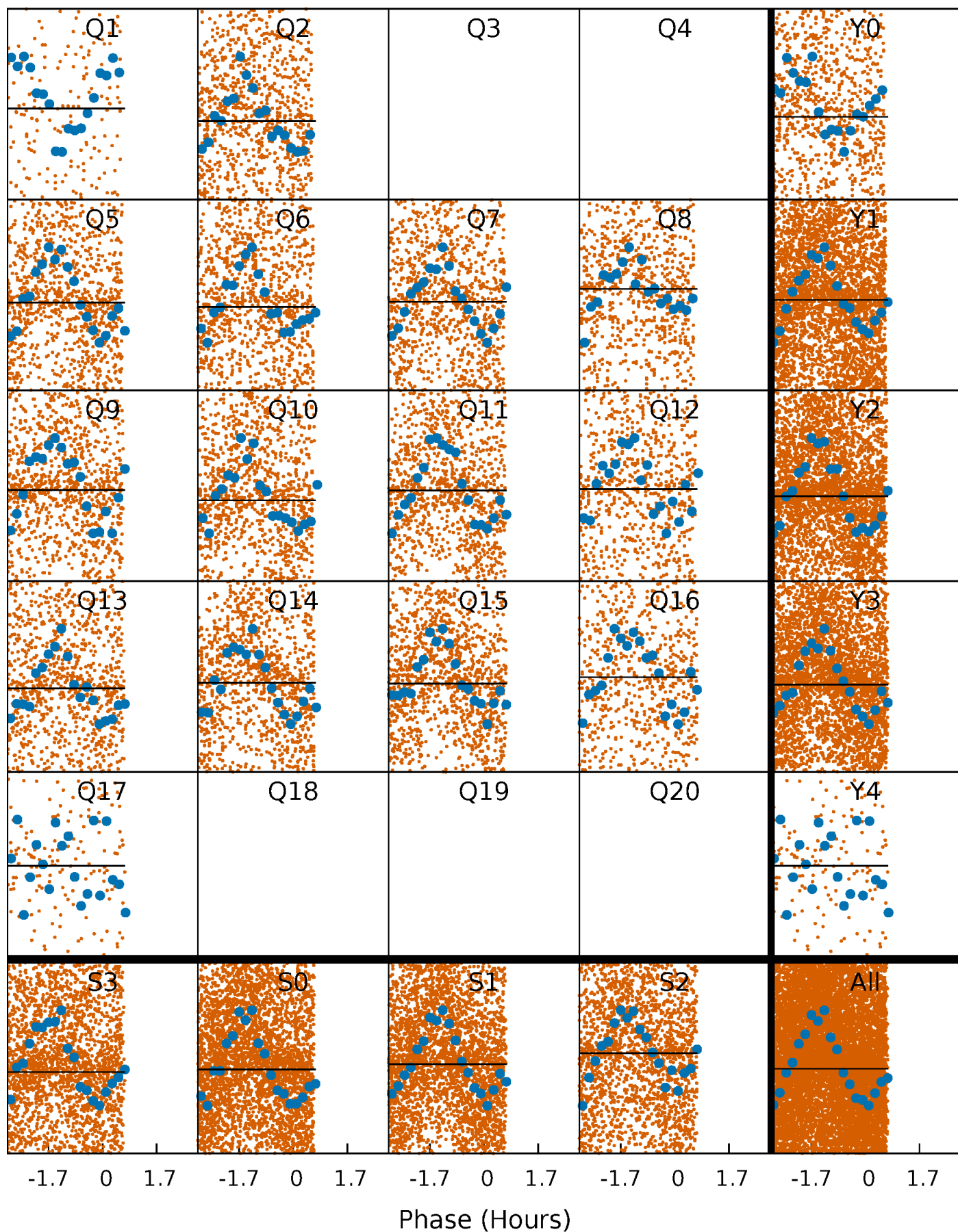
PDC Quarter-Phased Transit Curves

TCE 008869892-03 P= 0.507436 Days $T_0=131.667244$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 008869892-03 P= 0.507436 Days $T_0=131.667244$ (BKJD)

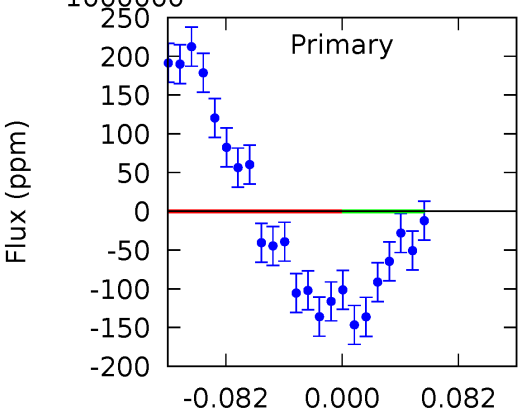
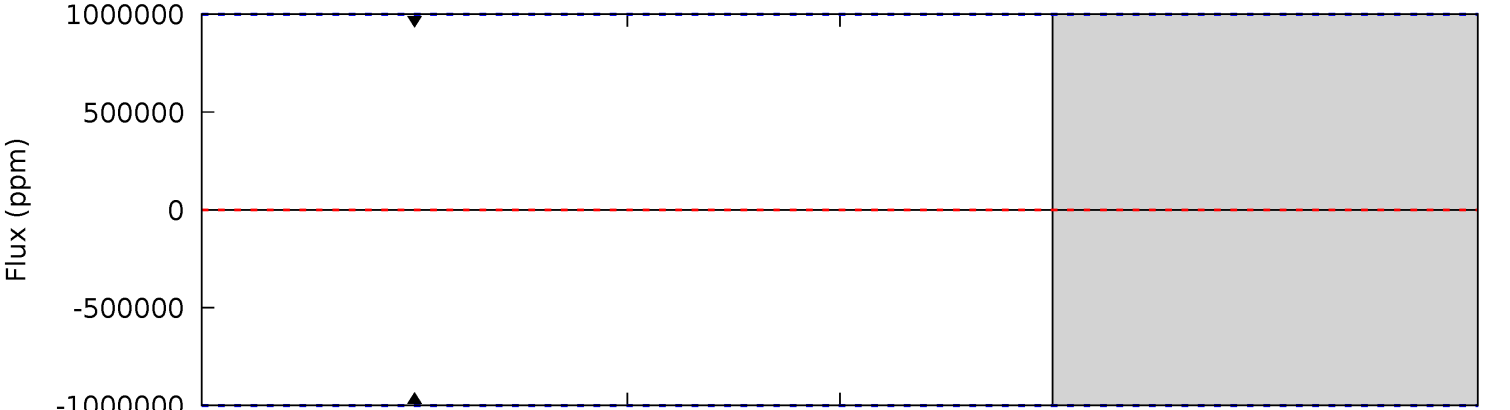
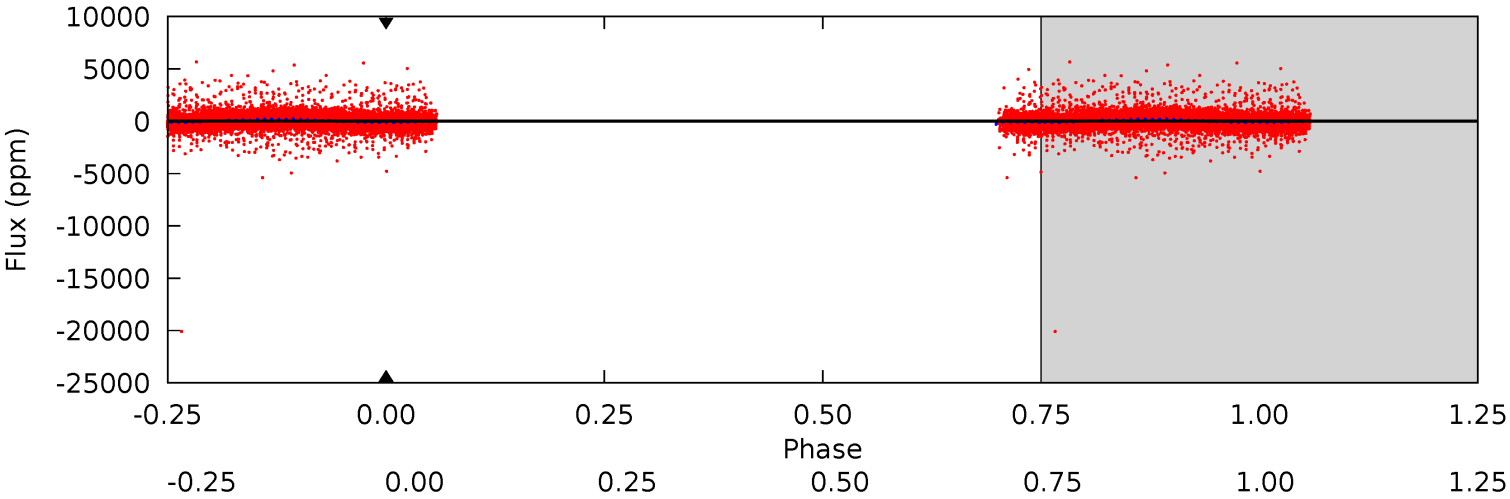


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

008869892-03, P = 0.507436 Days, E = 131.159808 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 008869892

	$T_{\text{eff}} (K)$	$\log(g)$	$[\text{Fe}/\text{H}]$	$R (R_{\odot})$	$M (M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6850^{+189}_{-283}	$4.050^{+0.190}_{-0.190}$	$0.060^{+0.250}_{-0.350}$	$1.929^{+0.603}_{-0.548}$	$1.522^{+0.220}_{-0.269}$	$0.299^{+0.370}_{-0.144}$
	+3%/-4%	+5%/-5%	+417%/-583%	+31%/-28%	+14%/-18%	+124%/-48%
Source	PHO54	PHO54	PHO54	DSEP		

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

Secondary Eclipse Parameters for KIC 008869892-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	0 ± 1000000	$16.26^{+16.29}_{-11.25}$	4903^{+373}_{-361}	5330^{+27939}_{-30104}	$1.141^{+82.879}_{-55.775}$
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 $A_{obs} \gg 1.0$

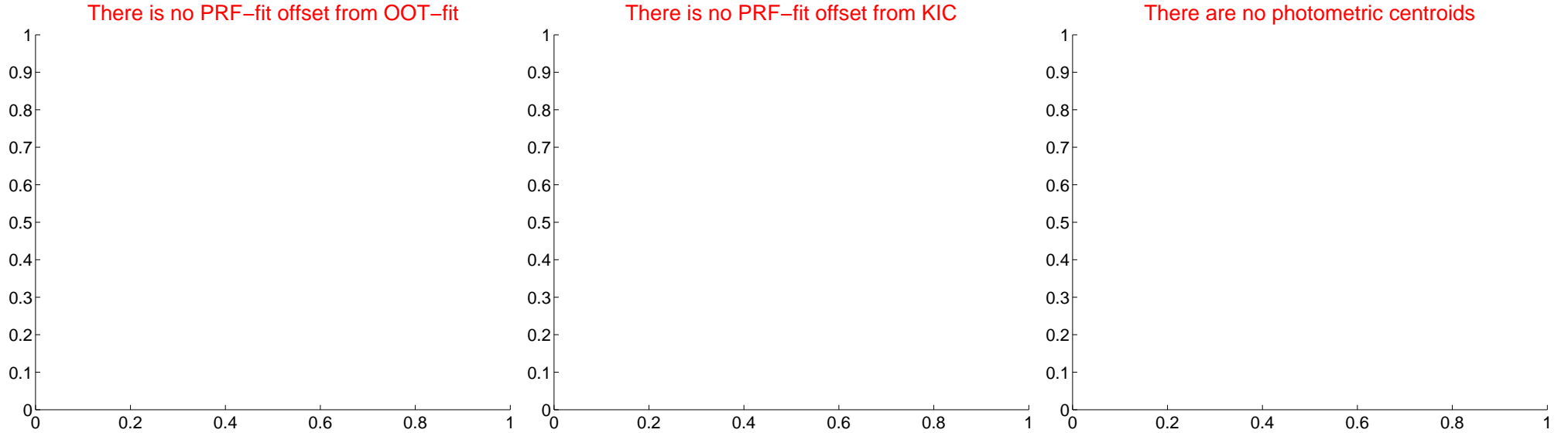
DV Centroid Data

Supplemental centroid analysis for 008869892-03. Kepler magnitude: 12.62. Transit SNR -1.00

There are 0 quarters with good PRF difference image offsets

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

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	—	—	—	—
PRF-fit source offset from KIC position	—	—	—	—
photometric centroid source offset	—	—	—	—



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.



folded centroid time series figure for this object.

UKIRT Image

Declination

