

KIC 005737902

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})
005737902-01	OBS	No	0.601412	131.765707	856.2	1.702	17.1	17.8	1.78	6888	6.08	27989.30
005737902-02	OBS	No	0.601402	132.078161	942.5	1.264	13.7	18.2	1.78	6888	5.88	27989.89
005737902-03	OBS	No	0.601404	131.923494	102.7	1.500	11.0	-1.0	1.78	6888	1.83	27989.80

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005737902-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_SATURATED
005737902-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD—CENT_SATURATED
005737902-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_SATURATED

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

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

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

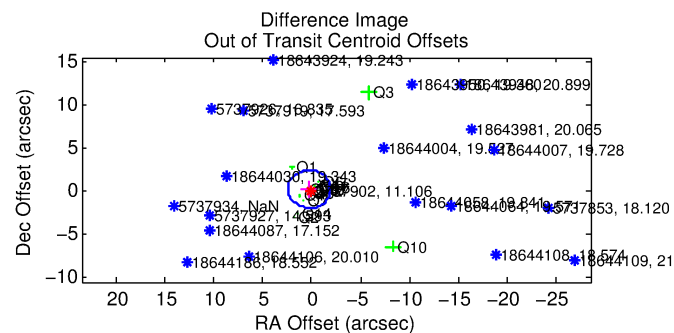
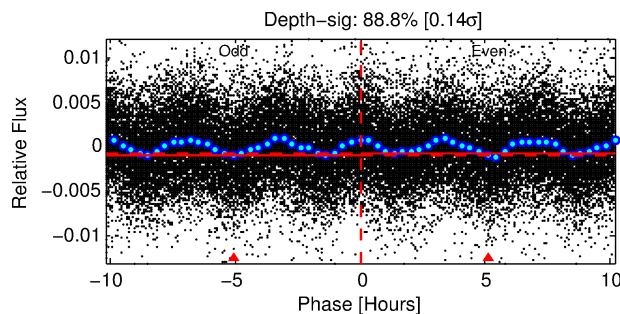
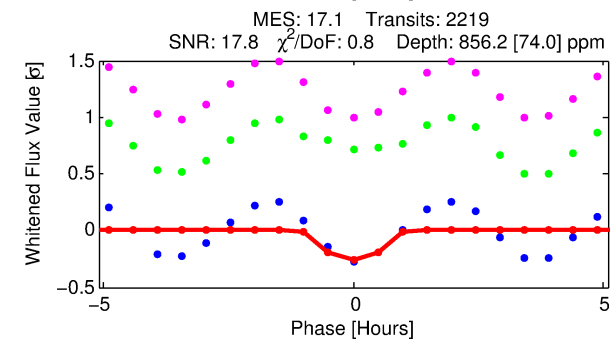
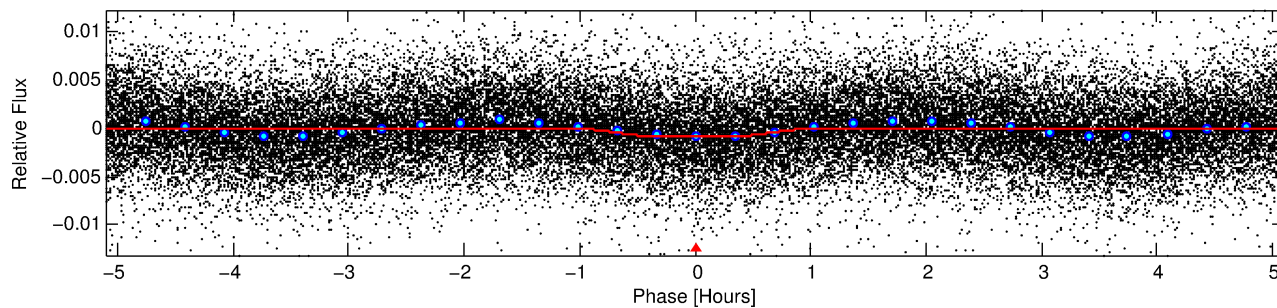
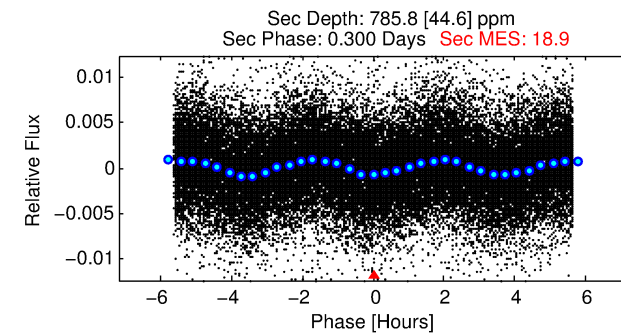
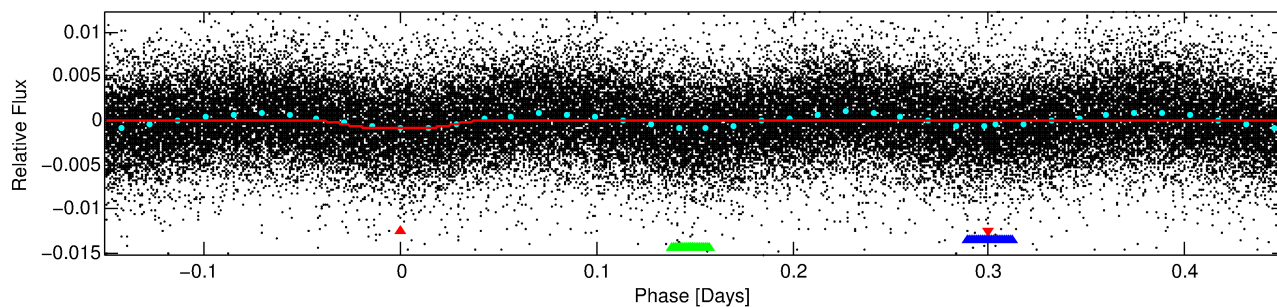
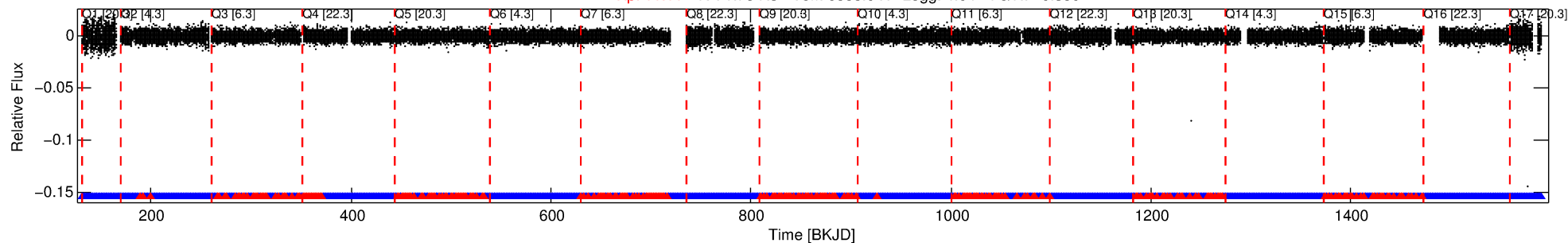
Ephemeris Match Information For 005737902-01

No Significant Match Found

DV One-Page Summary

KIC: 5737902 Candidate: 1 of 3 Period: 0.601 d

Kp: 11.11 R*: 1.78 Rs Teff: 6888.0 K Logg: 4.04 Fe/H: -0.380



DV Fit Results:

Period = 0.60141 [0.00001] d
Epoch = 131.7657 [0.0013] BKJD
Rp/R* = 0.0313 [0.0051]
a/R* = 1.65 [0.92]
b = 0.90 [0.19]
Seff = 27989.30 [14229.32]
Teq = 3298 [419] K
Rp = 6.08 [2.20] Re
a = 0.0151 [0.0046] AU
Ag = 2.67 [1.56] [1.07σ]
Teff = 6517 [603] K [4.38σ]

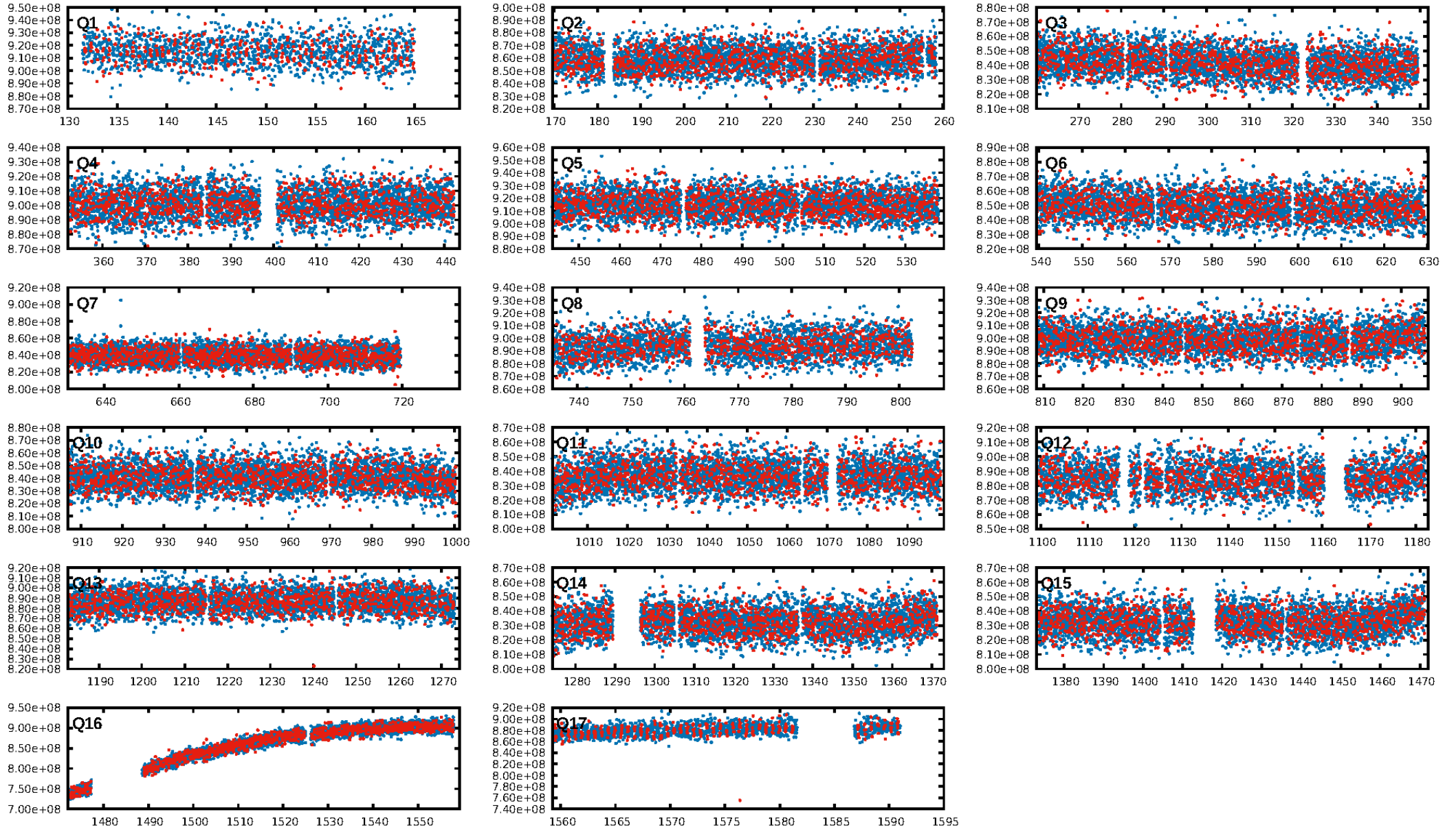
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-igt: 0.85 [1810/2119]
GhostDiagnostic-chr: 0.951
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: 0.360 arcsec [0.49σ]
KicOffset-rm: 0.269 arcsec [0.36σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.71 [12/17]
DiffImageOverlap-fno: 1.00 [17/17]

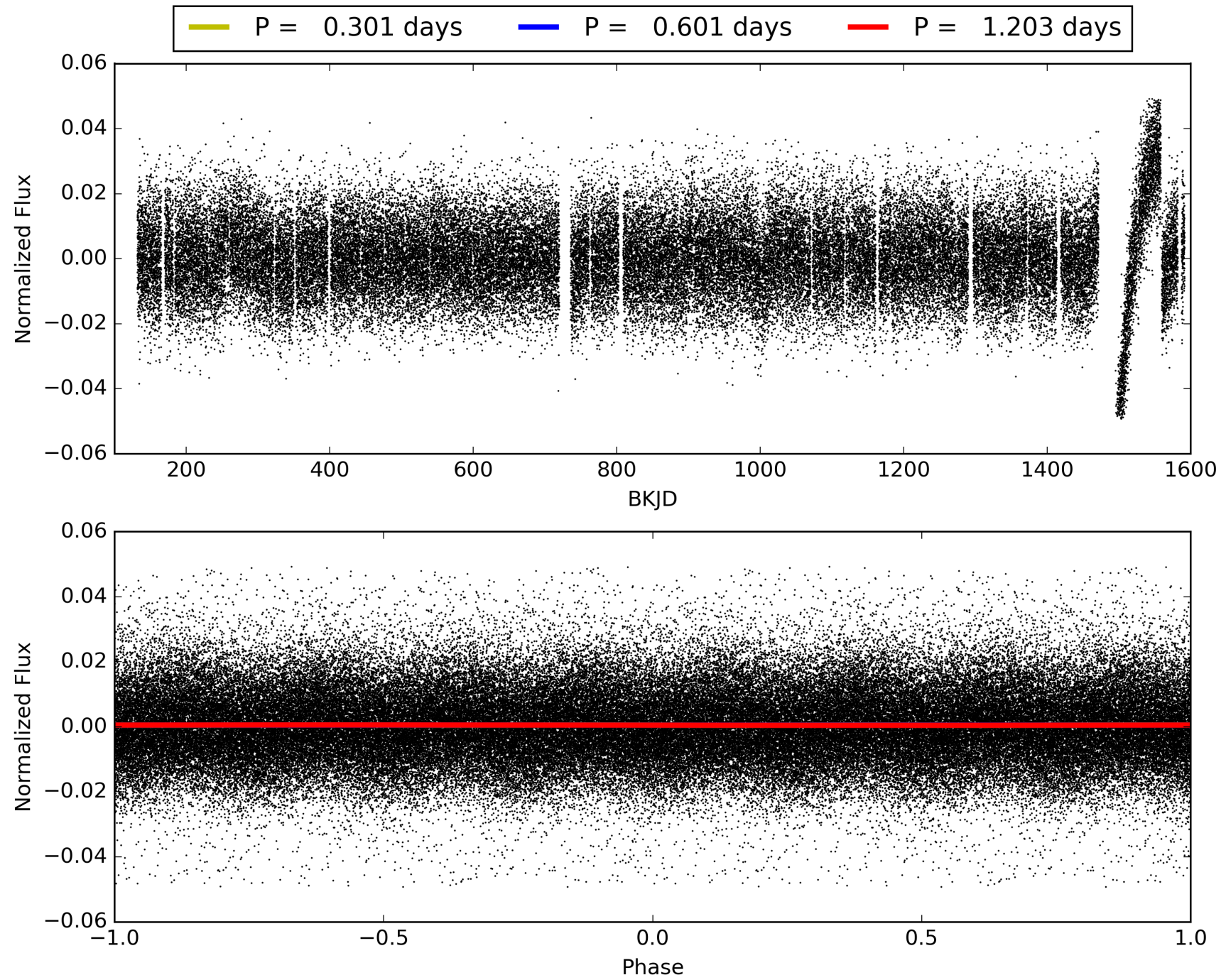
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This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 005737902-01, PDC Light Curves

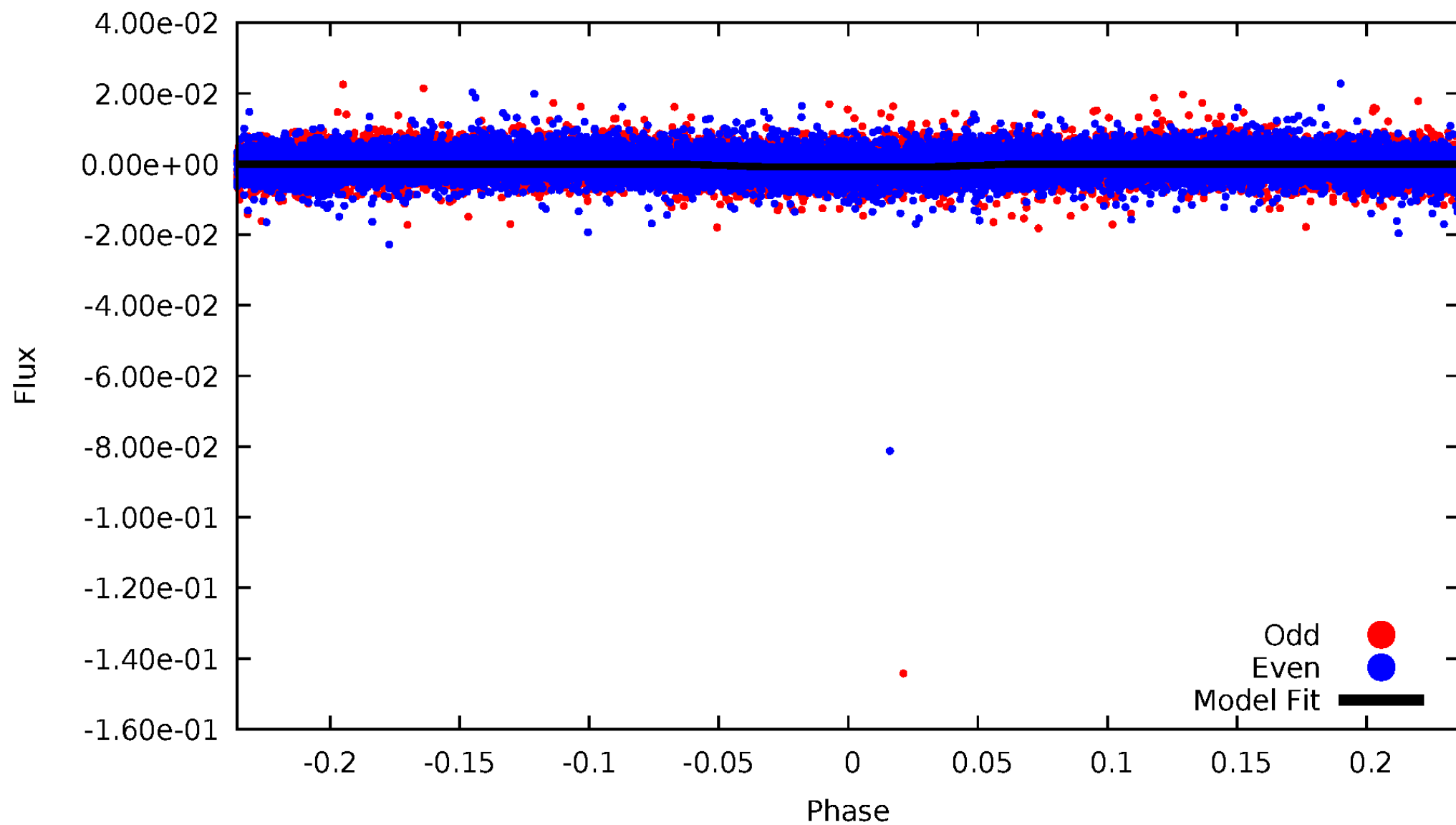


TCE 005737902-01



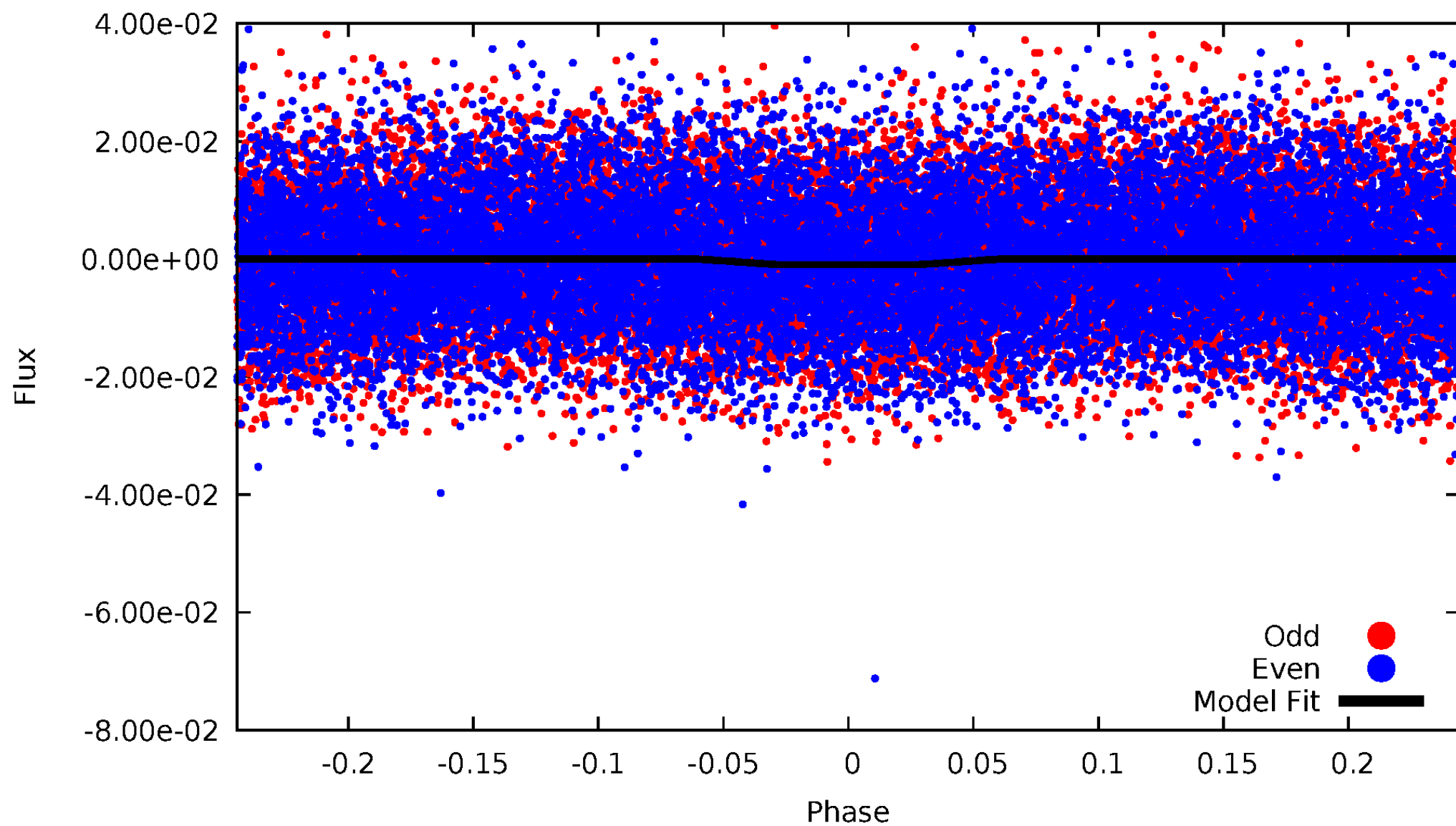
DV Odd/Even

TCE 005737902-01



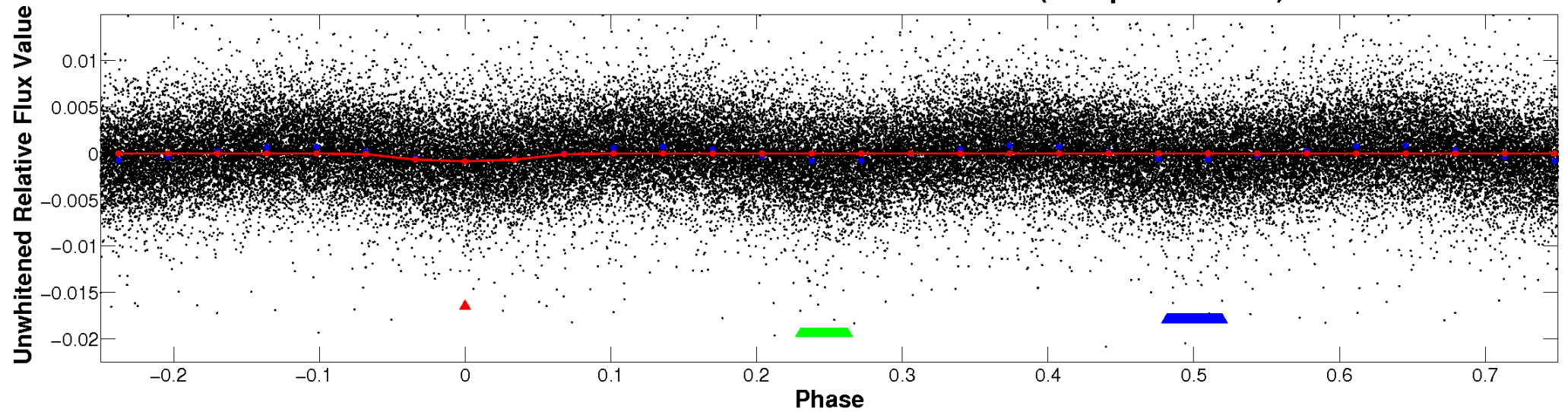
ALT Odd/Even

TCE 005737902-01

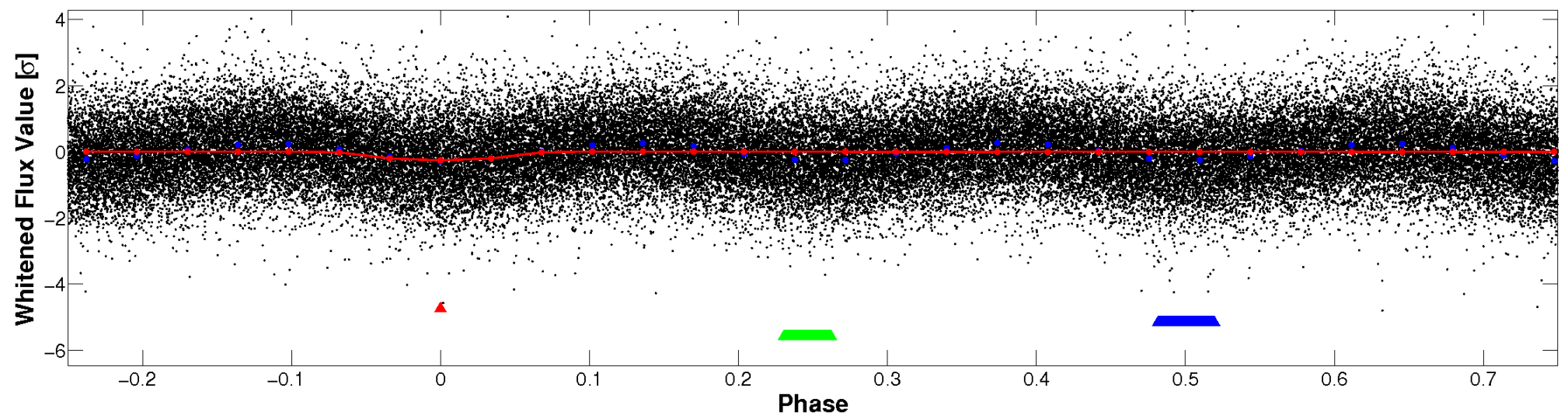


Non-Whitened Vs. Whitened Light Curve

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

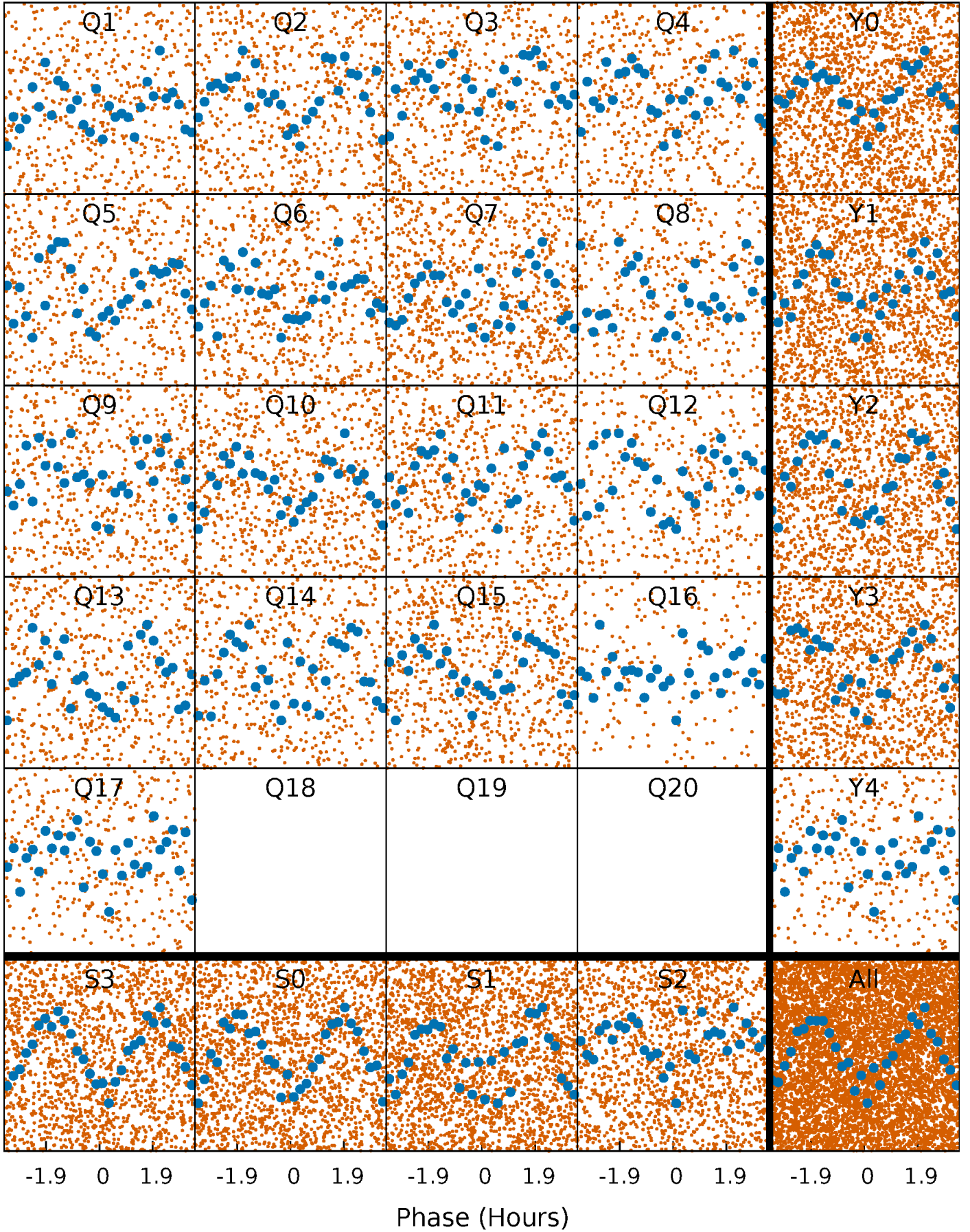


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



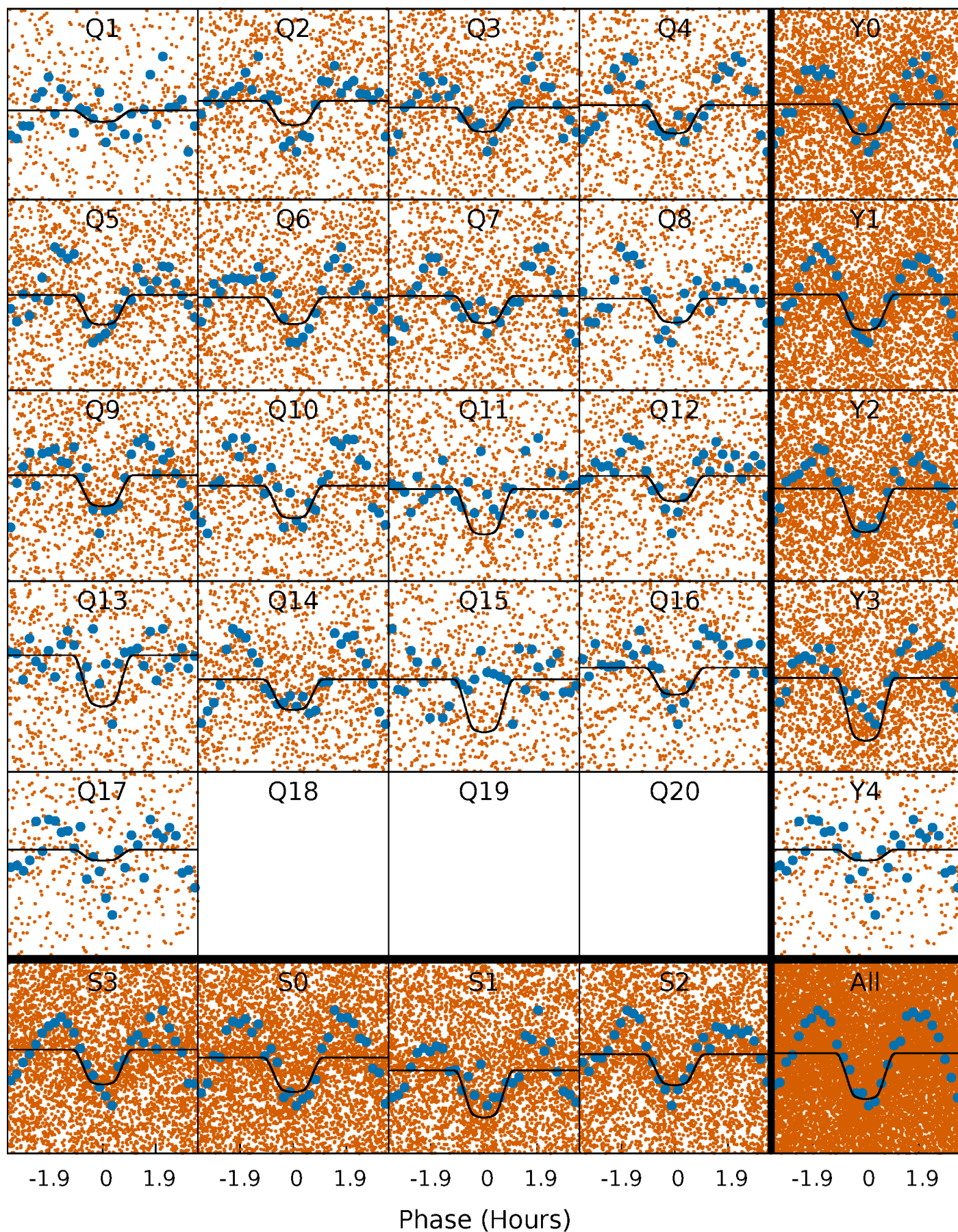
PDC Quarter-Phased Transit Curves

TCE 005737902-01 P= 0.601412 Days $T_0=131.765707$ (BKJD)



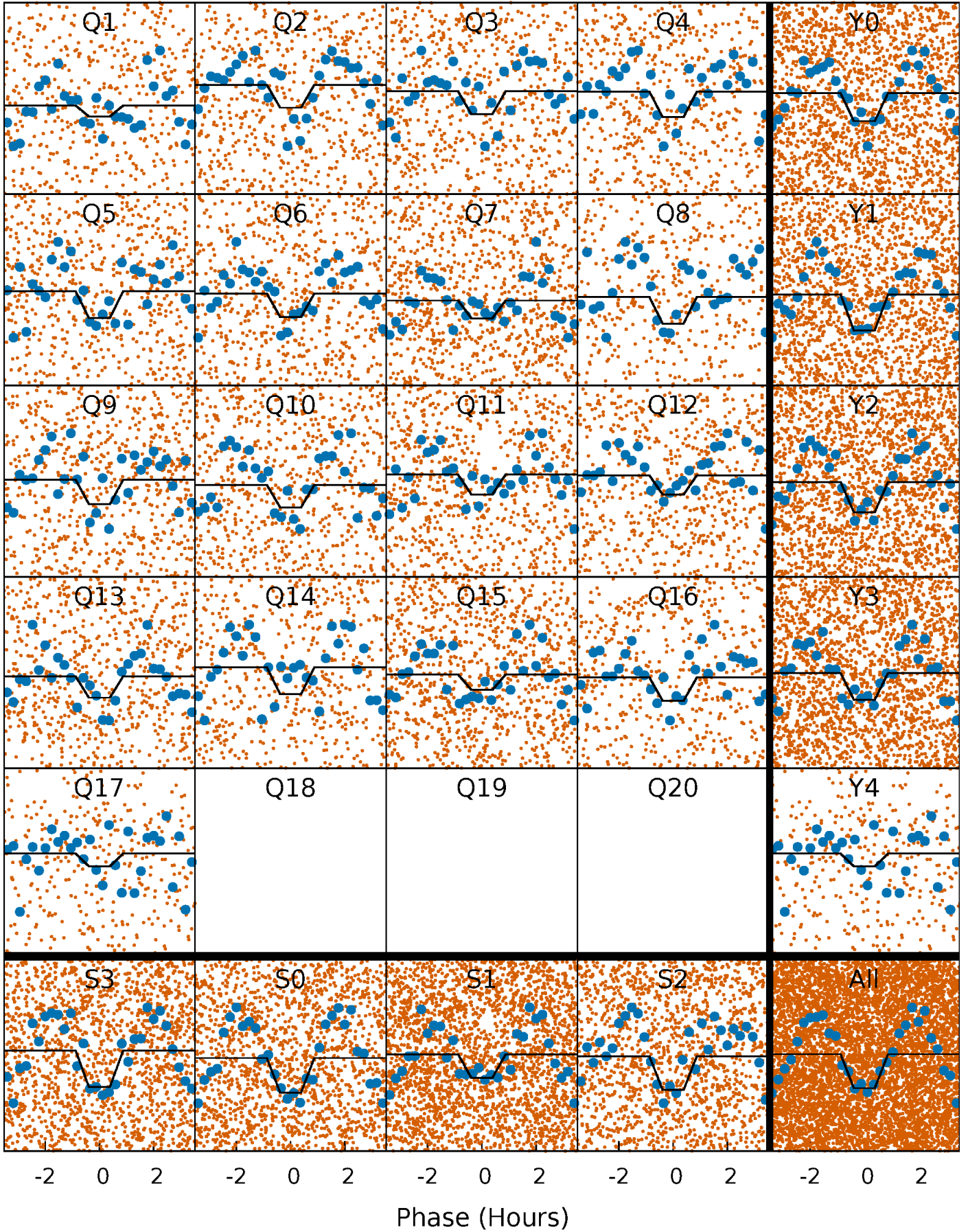
DV Quarter-Phased Transit Curves

TCE 005737902-01 P= 0.601412 Days $T_0=131.765707$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

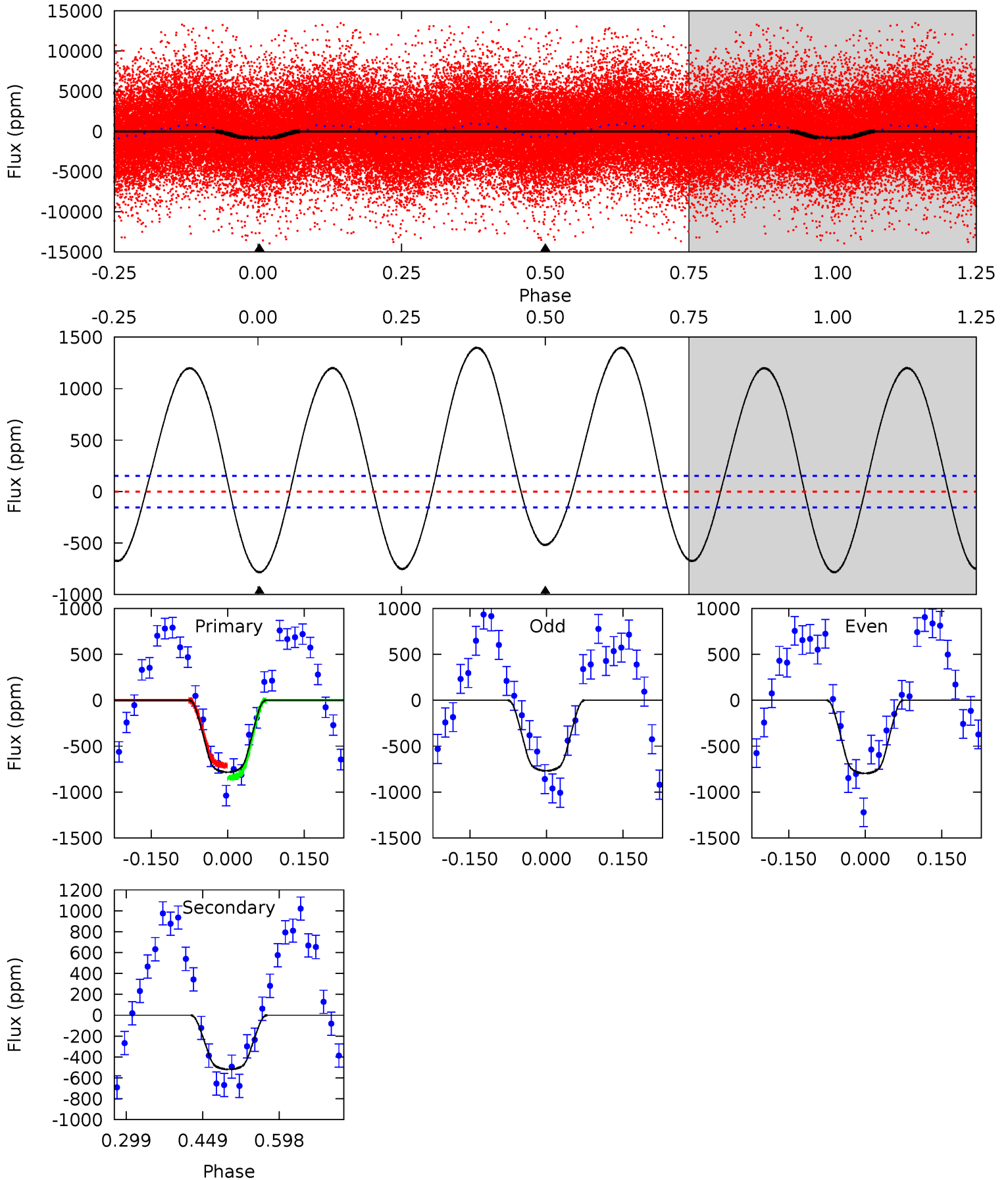
TCE 005737902-01 P= 0.601414 Days $T_0=131.764615$ (BKJD)



DV Model-Shift Uniqueness Test

005737902-01, P = 0.601412 Days, E = 131.164295 Days

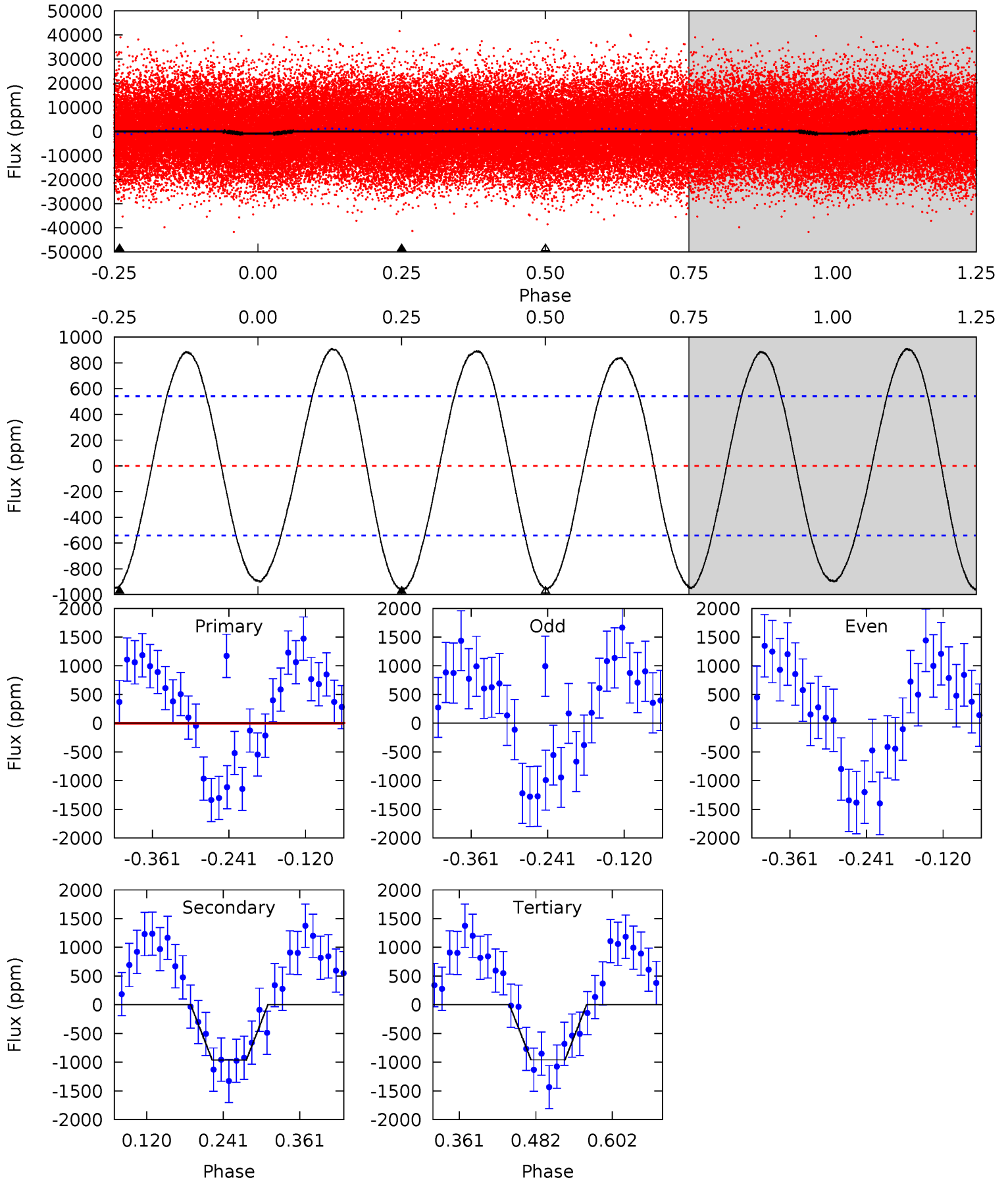
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
22.9	15.2	0	0	4.48	1.44	17.7	22.9	22.9	15.2	15.2	0.41	1.03	0.64	1.97



Alt Model-Shift Uniqueness Test

005737902-01, P = 0.601414 Days, E = 131.163201 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
7.81	8.05	8.01	0	4.53	1.55	5.39	-0.20	7.81	0.04	8.05	0.24	0.99	0.49	0.41



Stellar Parameters For KIC 005737902

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6888^{+214}_{-285}	$4.041^{+0.280}_{-0.151}$	$-0.380^{+0.300}_{-0.300}$	$1.778^{+0.470}_{-0.574}$	$1.269^{+0.203}_{-0.203}$	$0.318^{+0.529}_{-0.154}$
	+3%/-4%	+7%/-4%	+79%/-79%	+26%/-32%	+16%/-16%	+167%/-49%
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 005737902-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-519 ± 34	$5.92^{+1.46}_{-1.40}$	4541^{+349}_{-414}	5582^{+606}_{-482}	$1.873^{+1.263}_{-0.663}$
Alt.	-964 ± 120	$5.82^{+1.47}_{-1.28}$	4550^{+353}_{-383}	6681^{+890}_{-625}	$3.520^{+2.273}_{-1.251}$

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

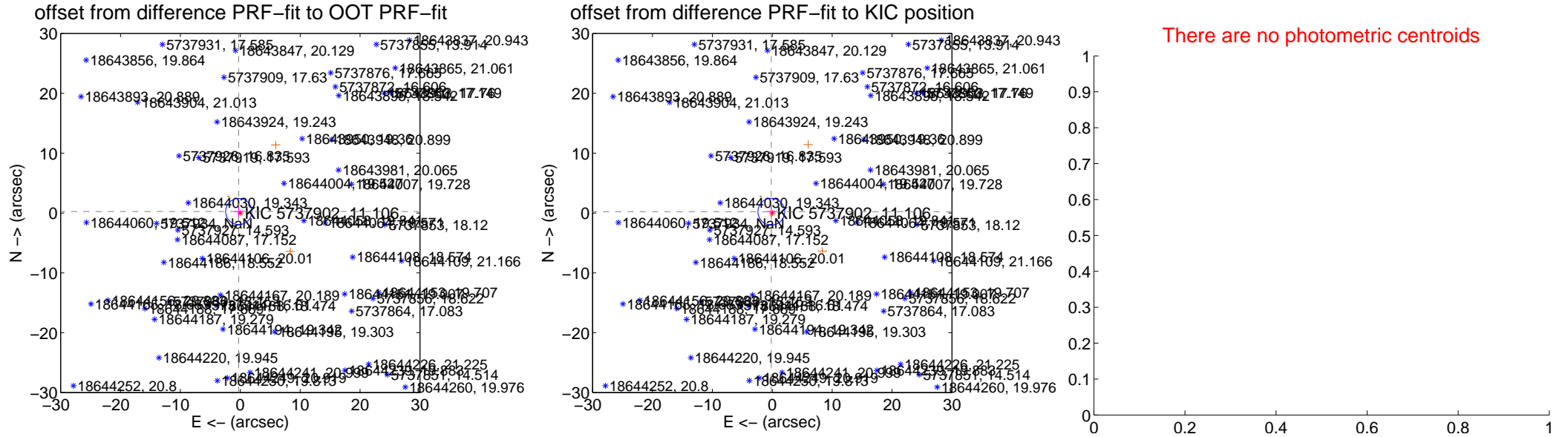
DV Centroid Data

Supplemental centroid analysis for 005737902-01. **Kepler magnitude: 11.11.** Transit SNR 17.80

There are 12 quarters with good PRF difference image offsets

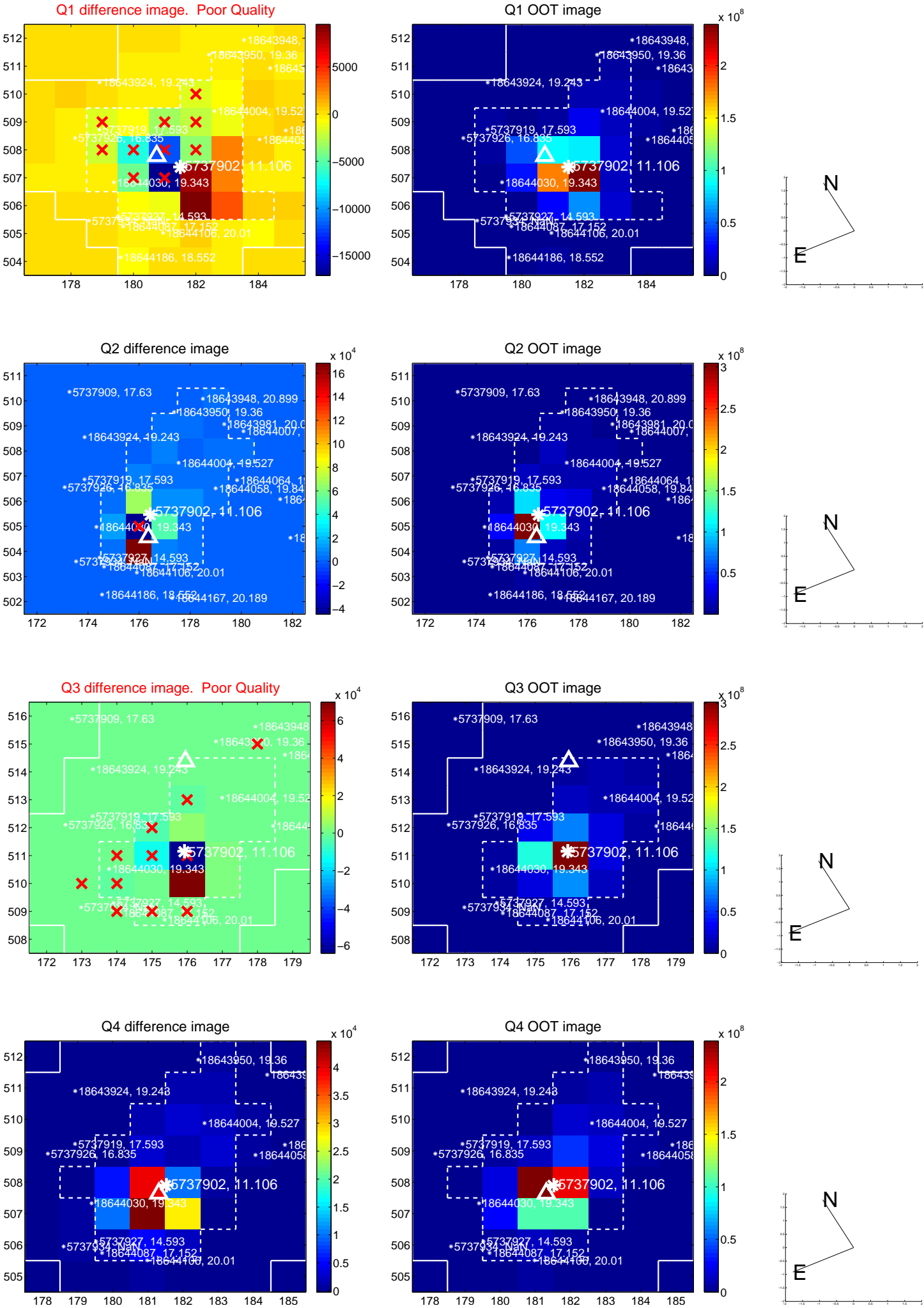
The direct PRF centroid is offset from the target star catalog position by about 0.04 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.360 ± 0.728	0.49	0.261 ± 0.702	0.247 ± 0.898
PRF-fit source offset from KIC position	0.269 ± 0.745	0.36	0.158 ± 0.653	0.218 ± 0.865
photometric centroid source offset	—	—	—	—

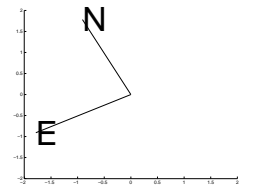
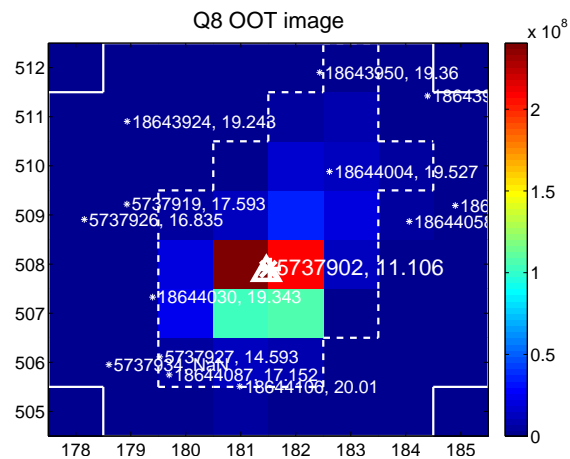
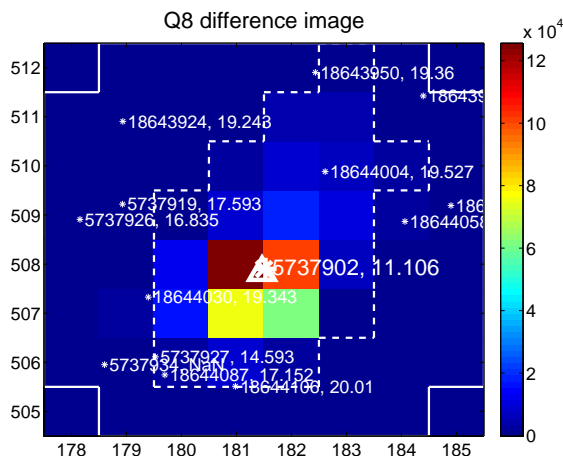
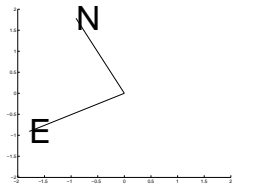
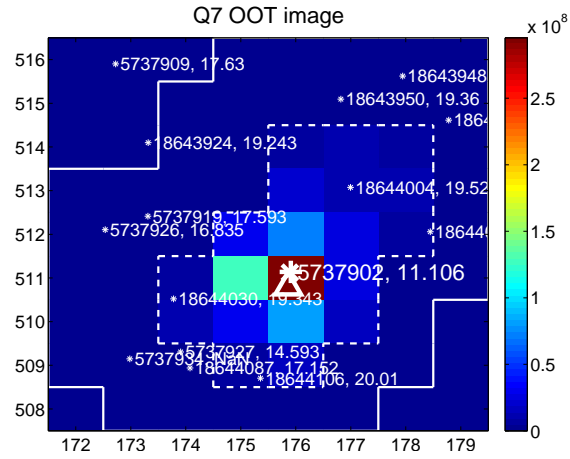
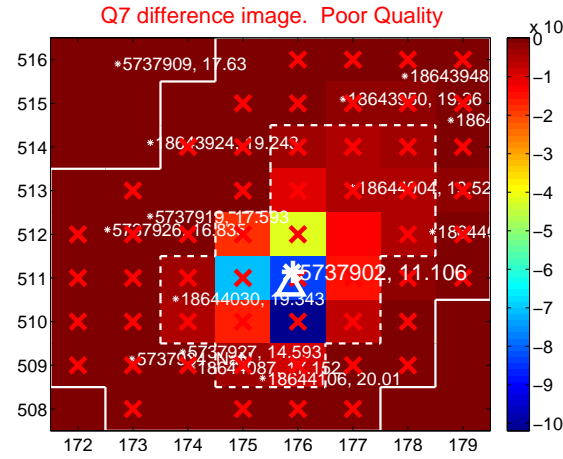
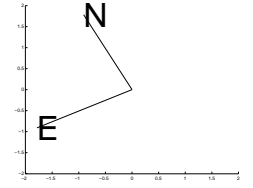
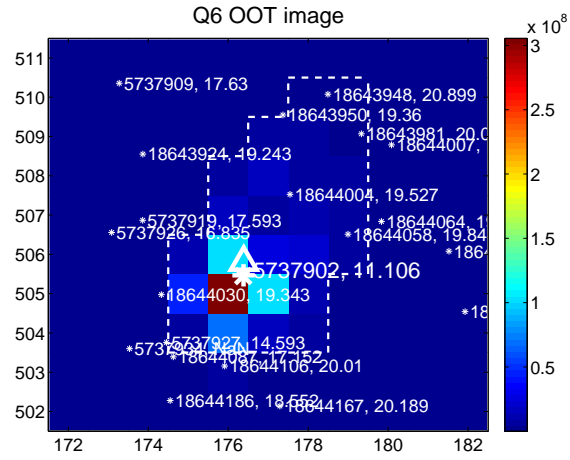
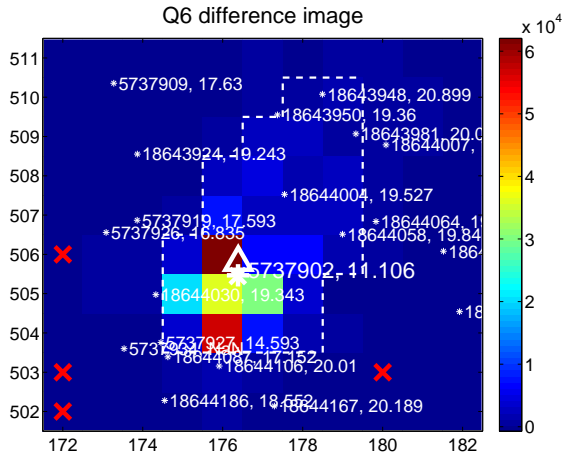
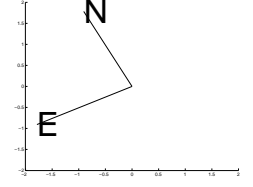
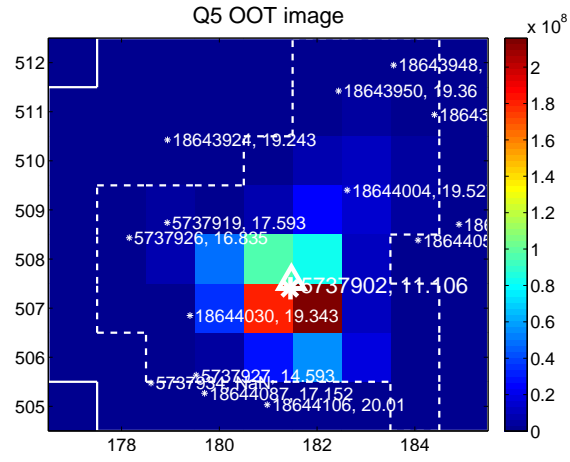
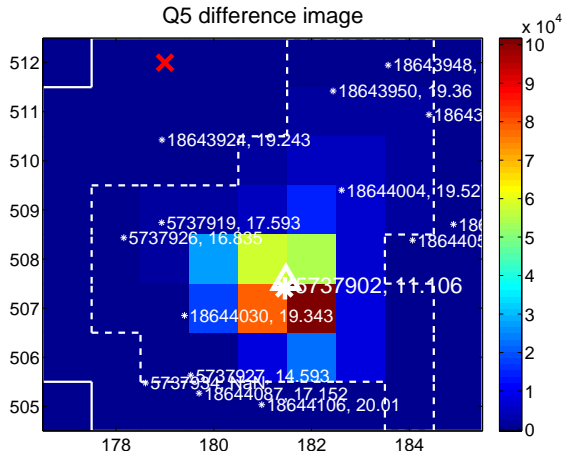


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

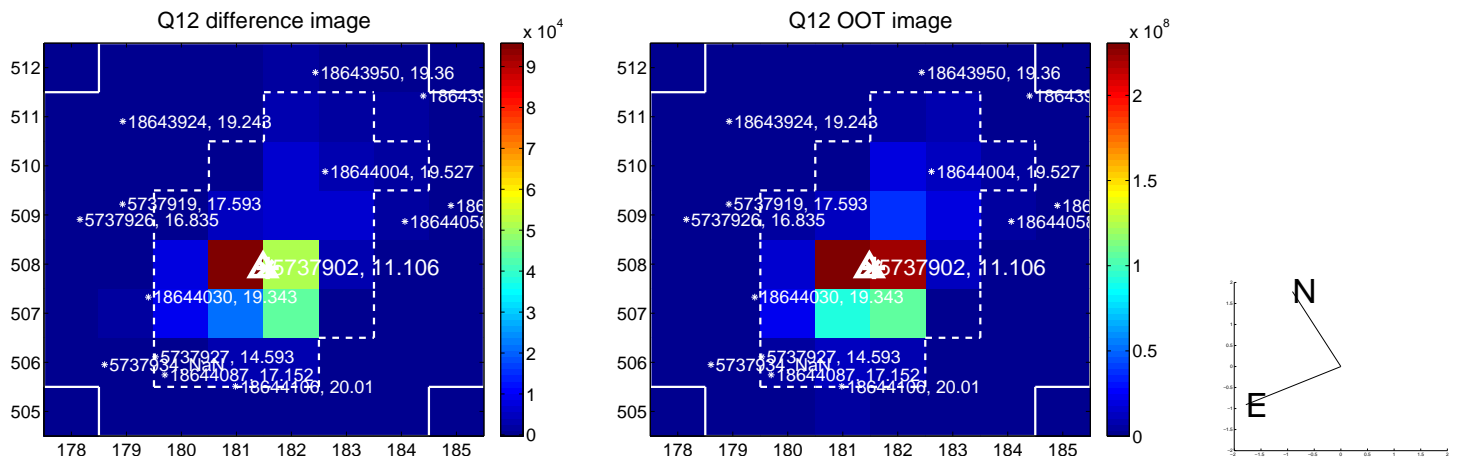
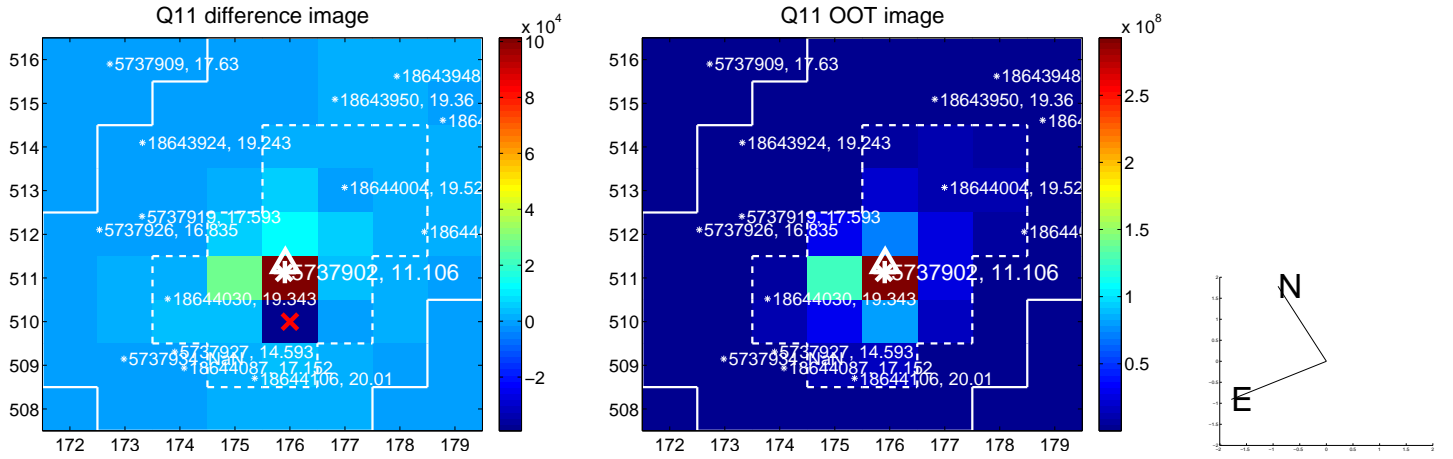
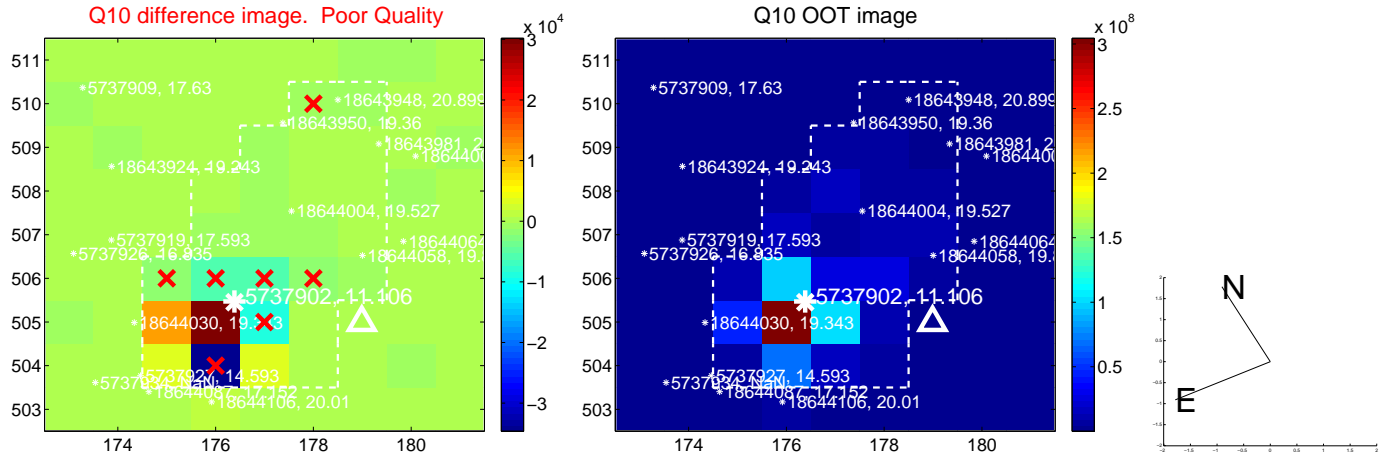
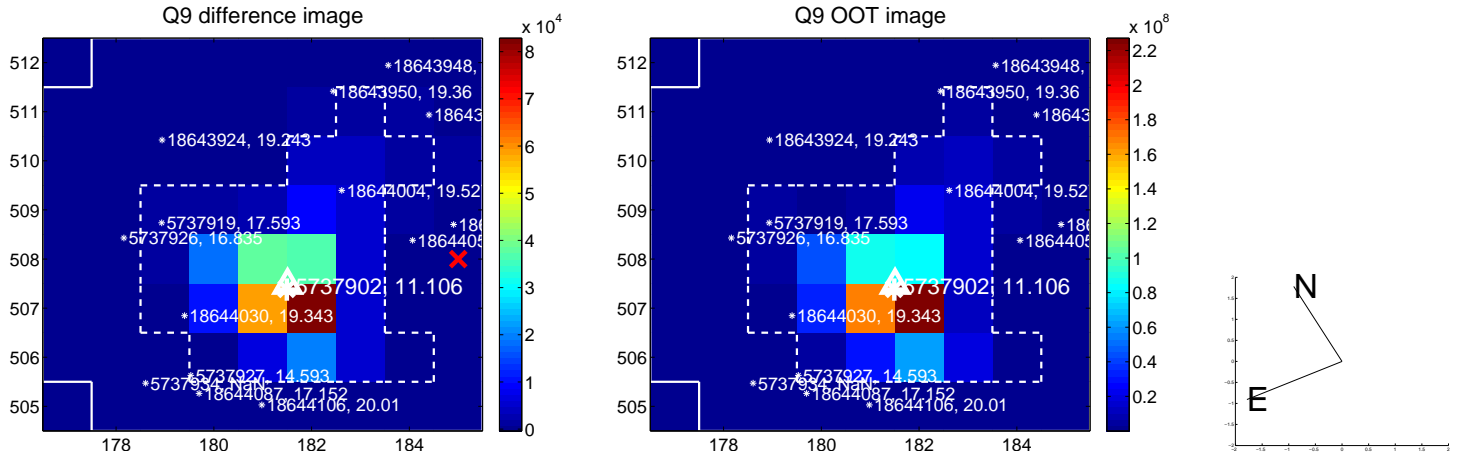
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



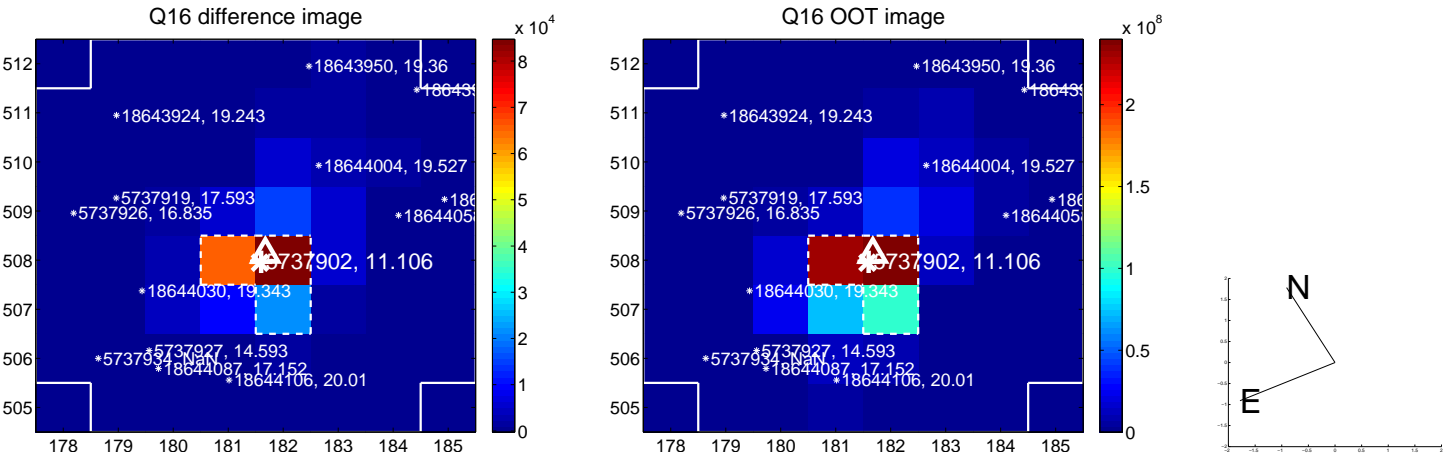
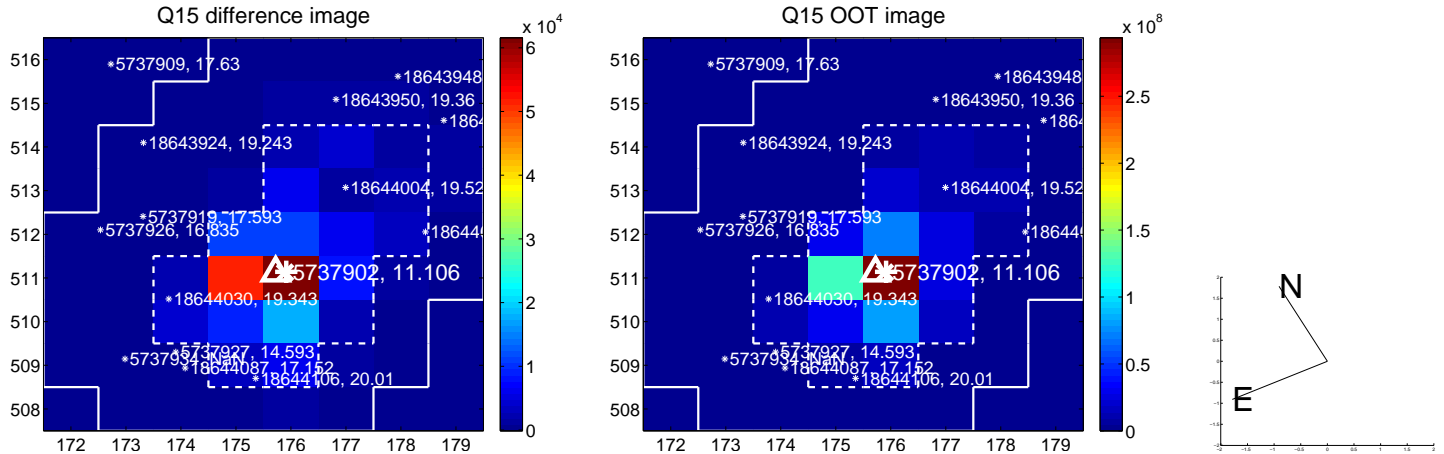
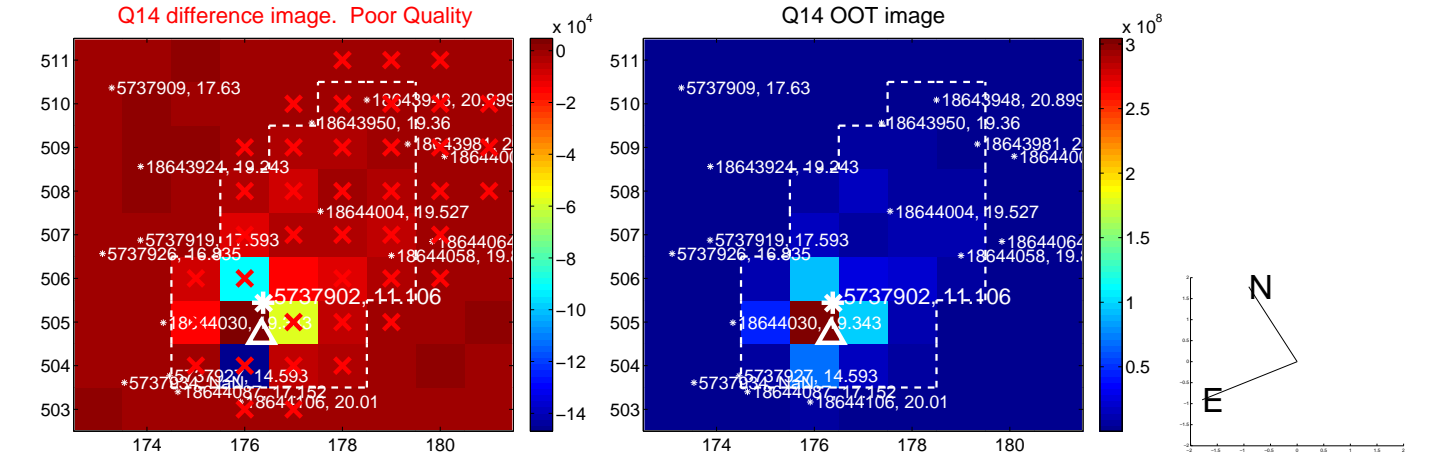
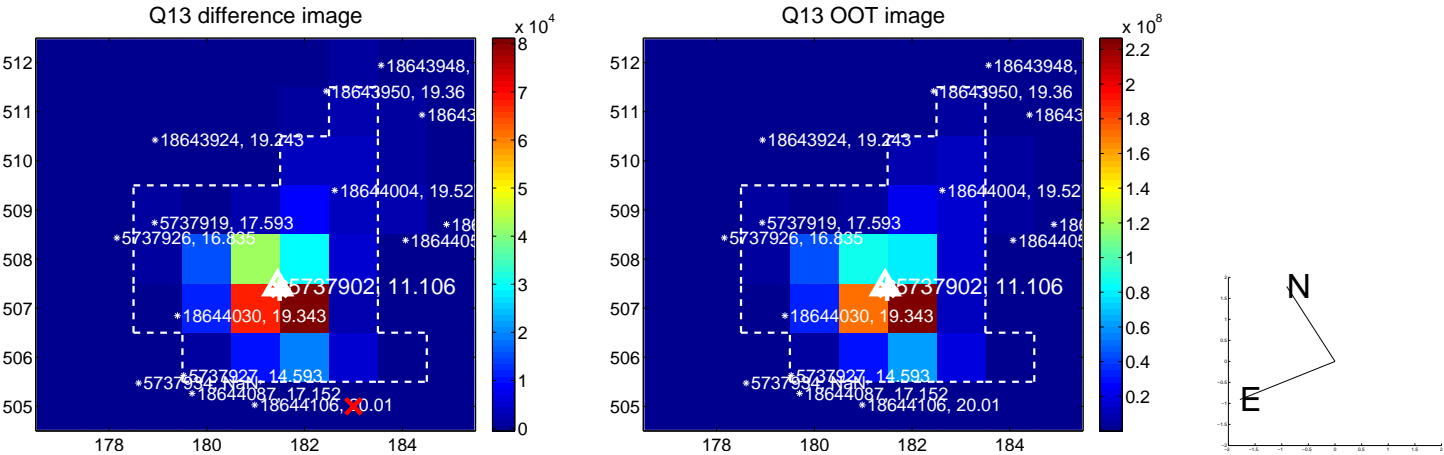
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



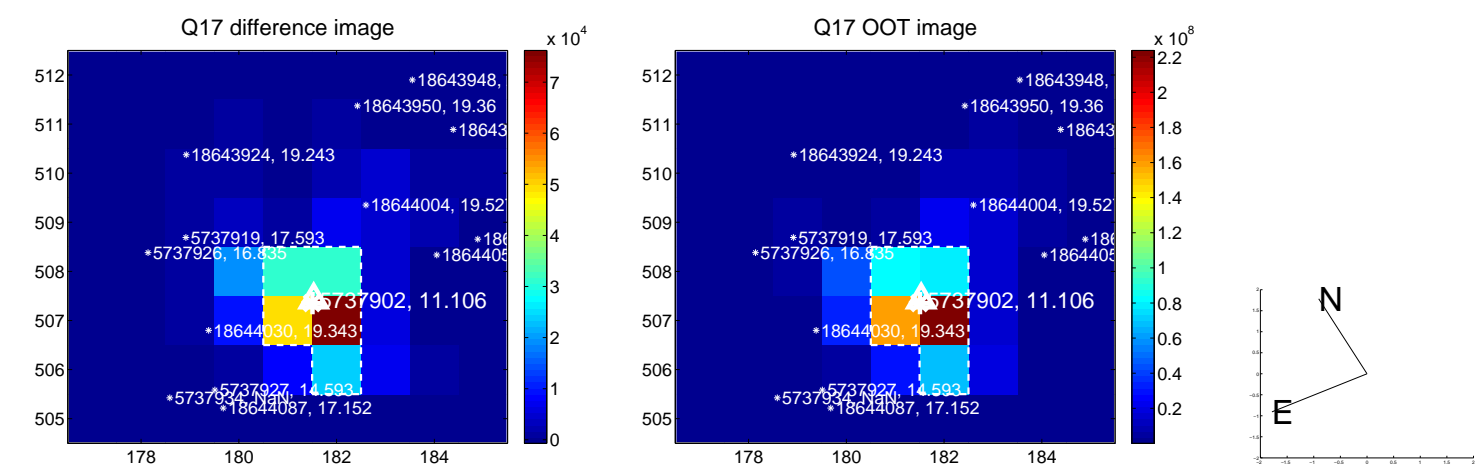
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



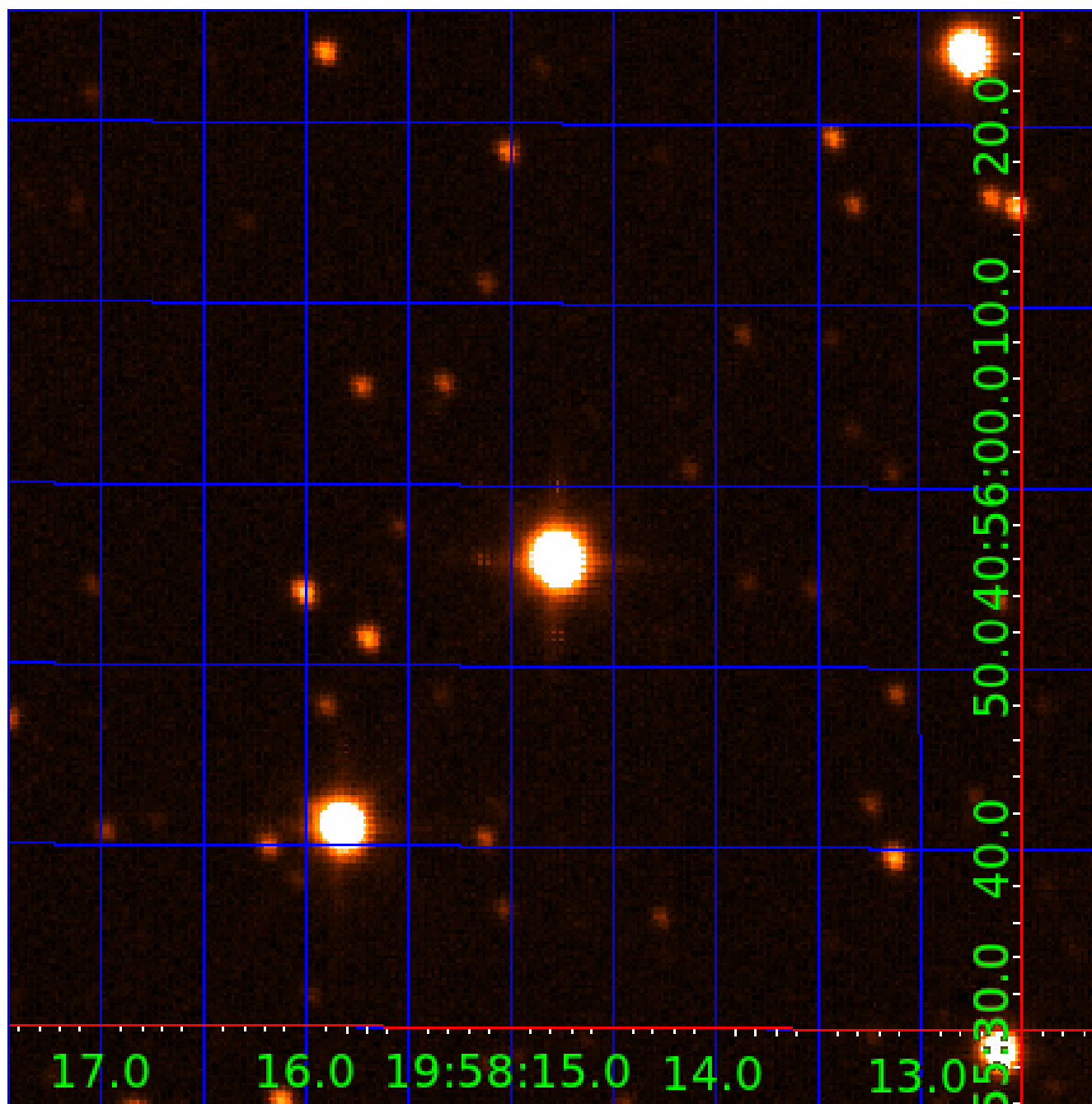
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



folded centroid time series figure for this object.

UKIRT Image

Declination



KIC 005737902

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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005737902-02	OBS	No	0.601402	132.078161	942.5	1.264	13.7	18.2	1.78	6888	5.88	27989.89
005737902-03	OBS	No	0.601404	131.923494	102.7	1.500	11.0	-1.0	1.78	6888	1.83	27989.80

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005737902-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_SATURATED
005737902-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD—CENT_SATURATED
005737902-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_SATURATED

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

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

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

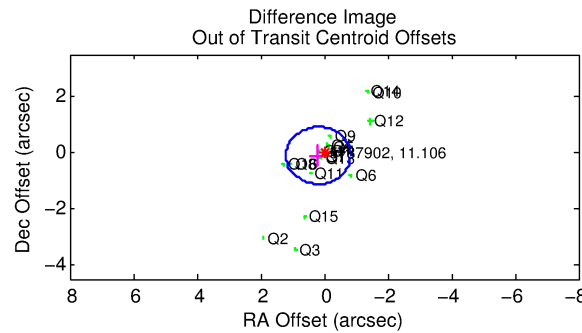
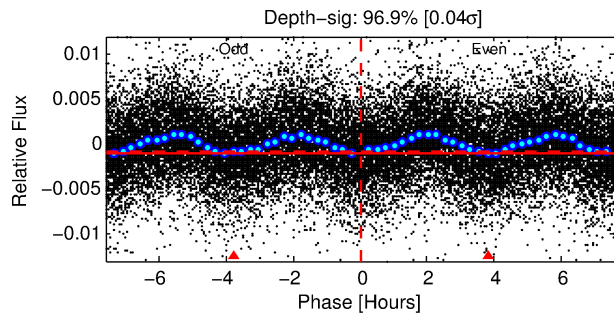
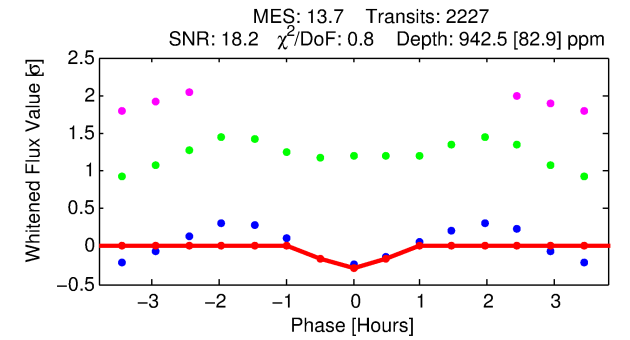
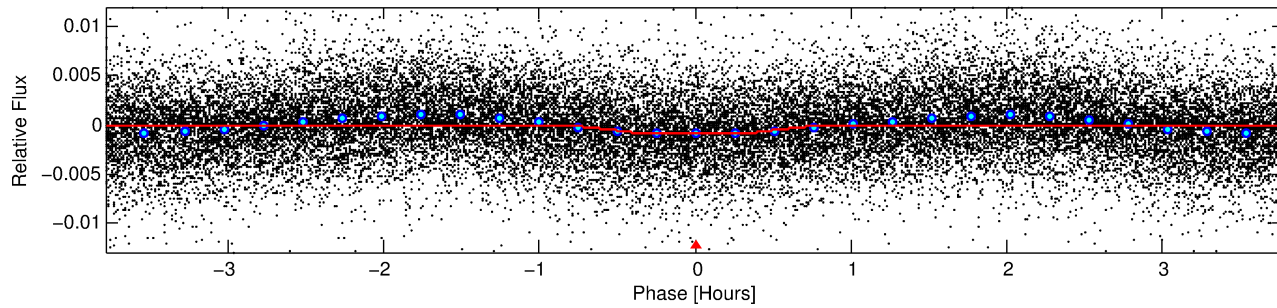
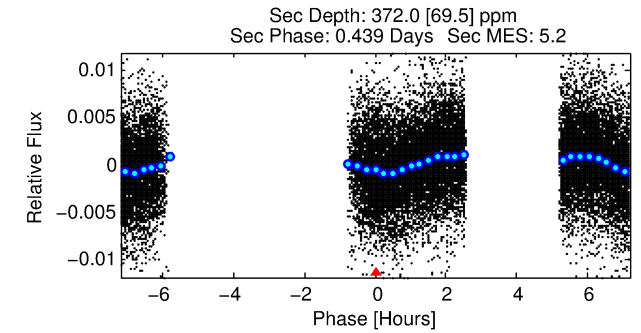
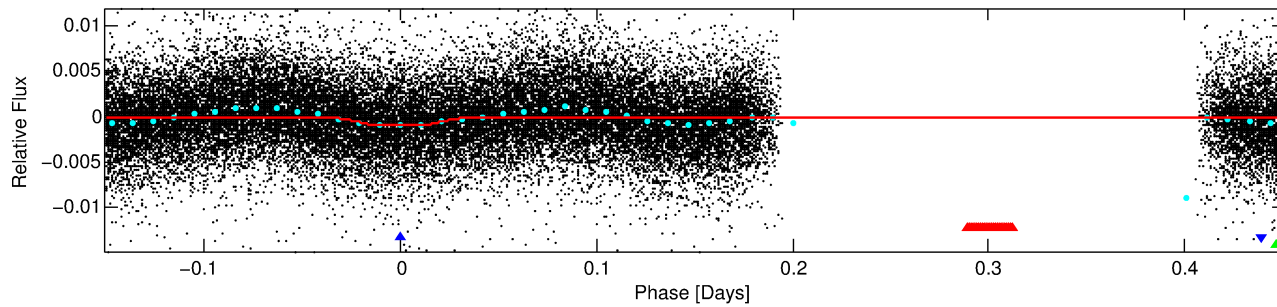
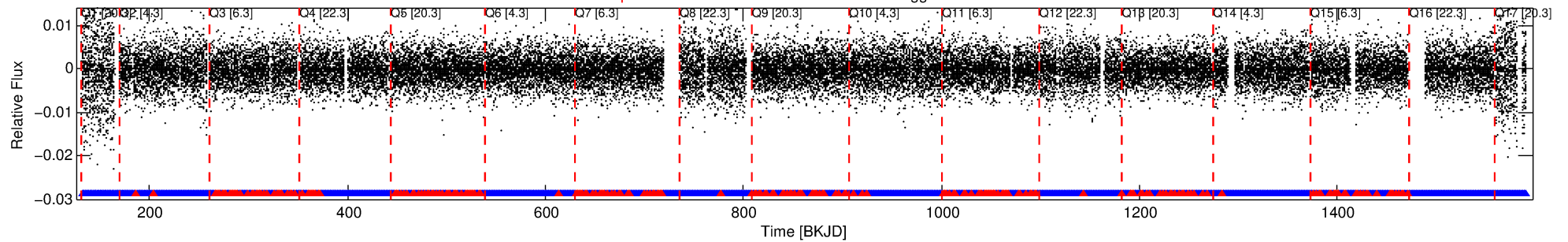
Ephemeris Match Information For 005737902-02

No Significant Match Found

DV One-Page Summary

KIC: 5737902 Candidate: 2 of 3 Period: 0.601 d

Kp: 11.11 R*: 1.78 Rs Teff: 6888.0 K Logg: 4.04 Fe/H: -0.380



DV Fit Results:

Period = 0.60140 [0.00001] d
Epoch = 132.0782 [0.0011] BKJD
Rp/R* = 0.0303 [0.0186]
a/R* = 2.87 [8.93]
b = 0.70 [2.60]
Seff = 27989.89 [14229.62]
Teq = 3298 [419] K
Rp = 5.88 [4.08] Re
a = 0.0151 [0.0046] AU
Ag = 1.35 [1.80] [0.19σ]
Teff = 5496 [1723] K [1.24σ]

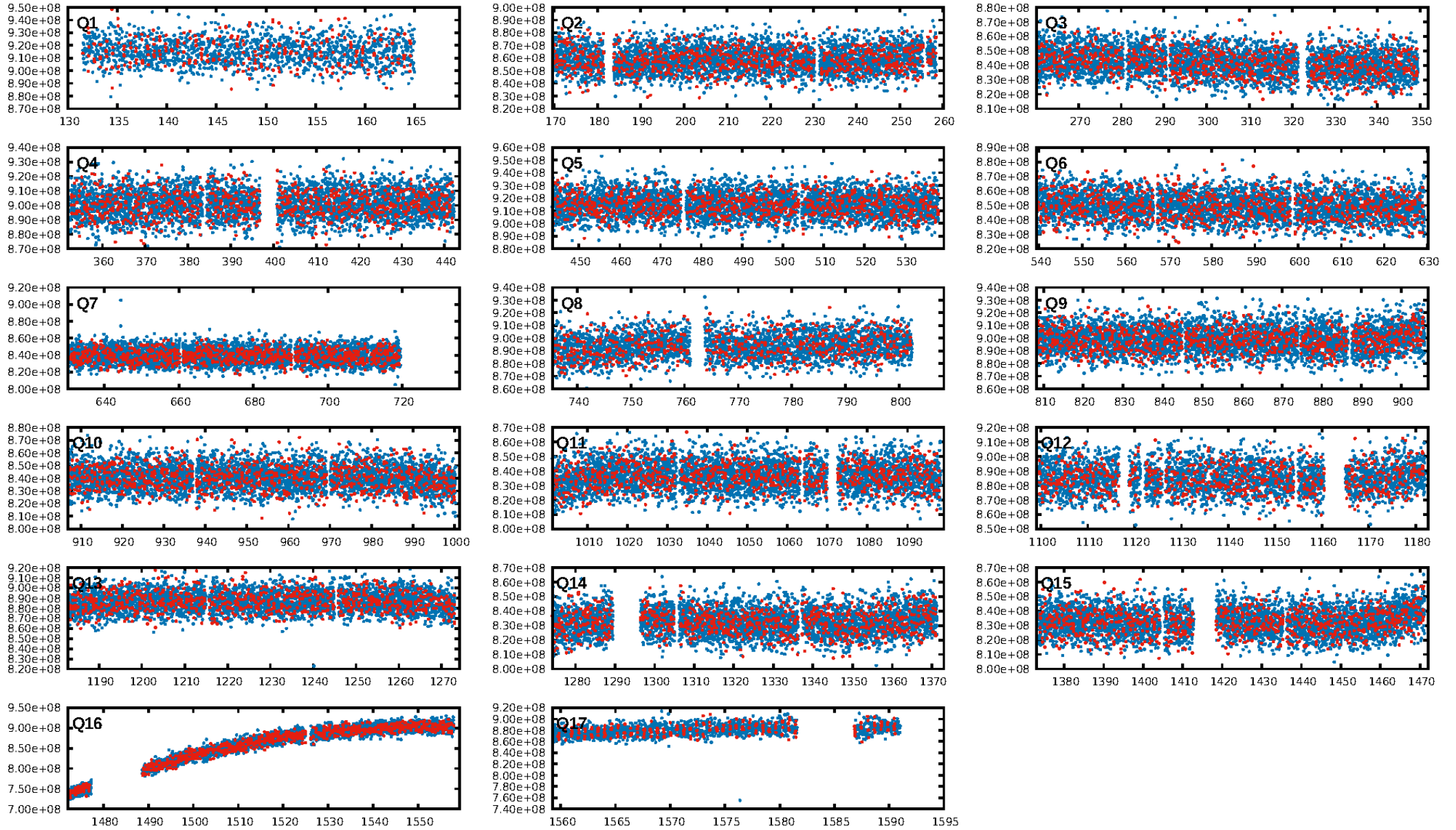
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.87 [1852/2126]
GhostDiagnostic-chr: 0.8503
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: 0.215 arcsec [0.63σ]
KicOffset-rm: 0.154 arcsec [0.43σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
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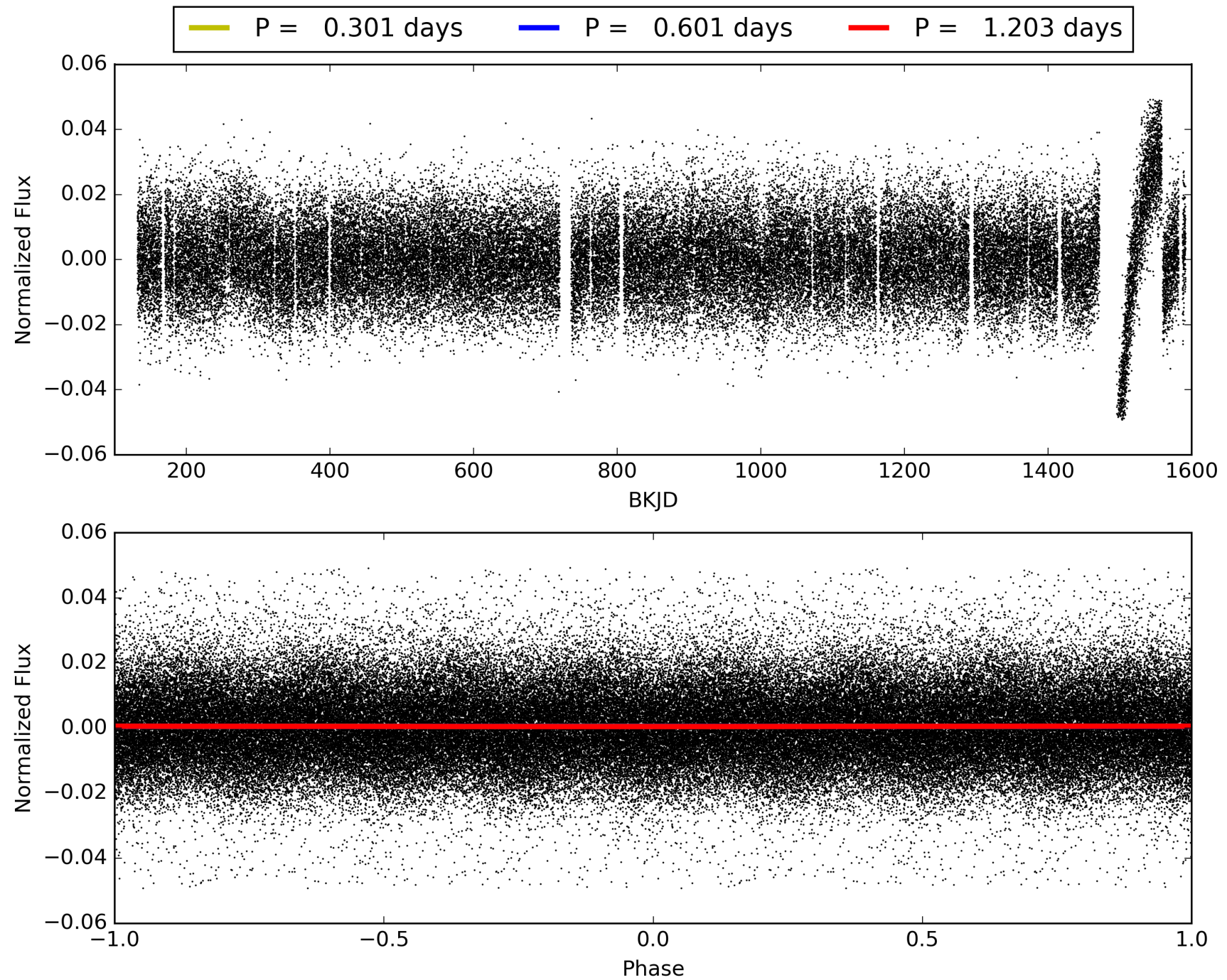
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This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 005737902-02, PDC Light Curves

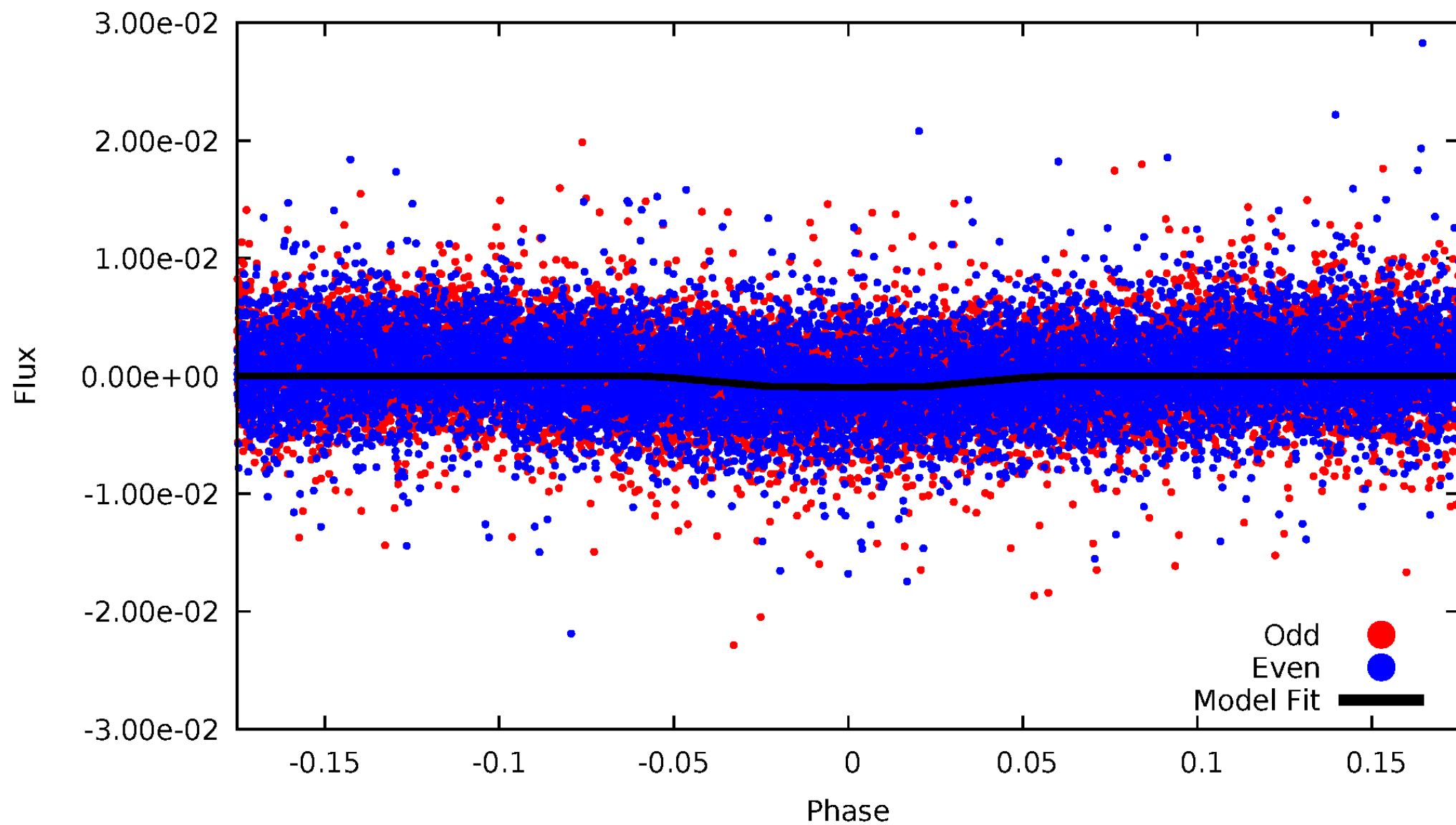


TCE 005737902-02



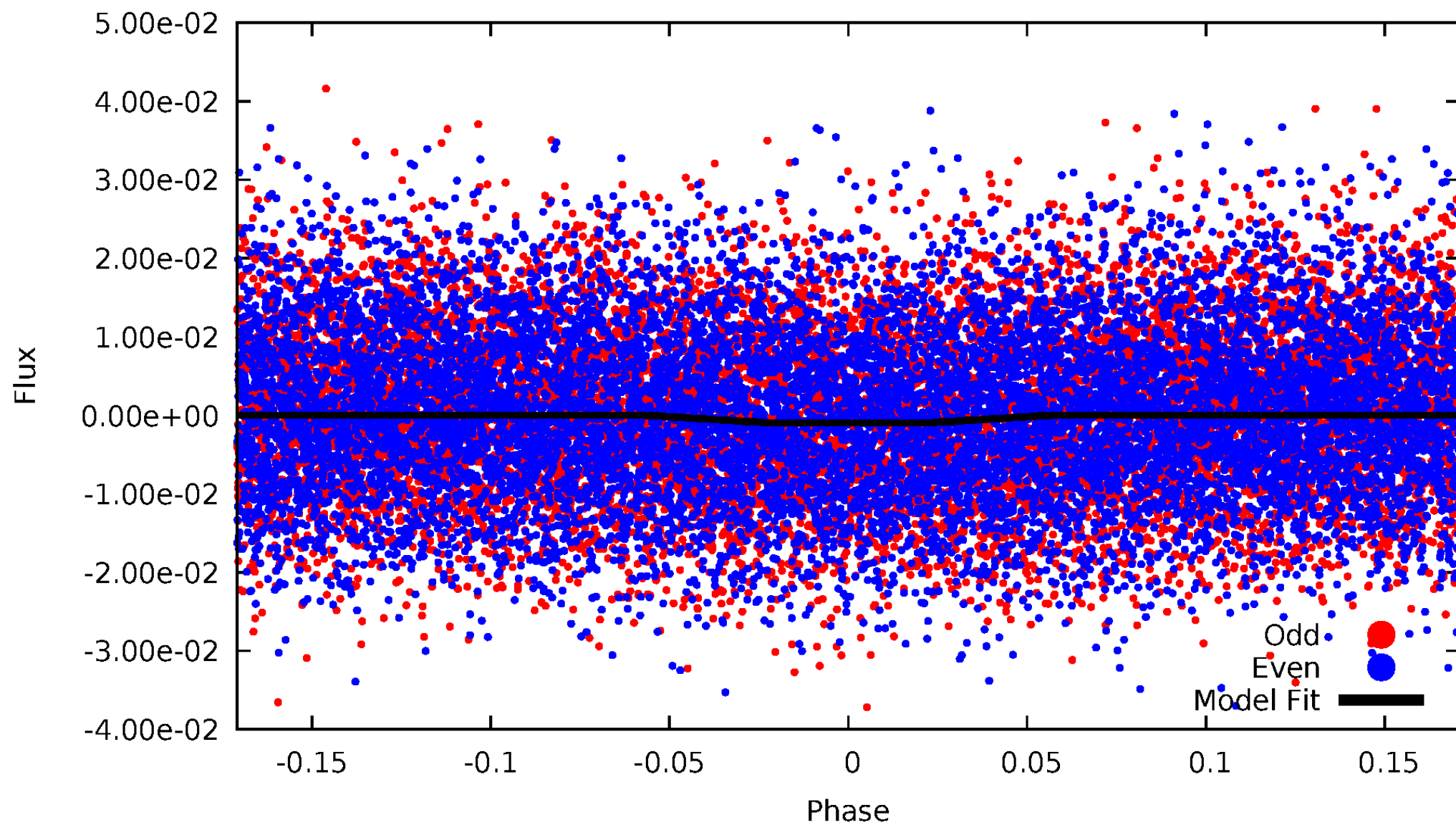
DV Odd/Even

TCE 005737902-02



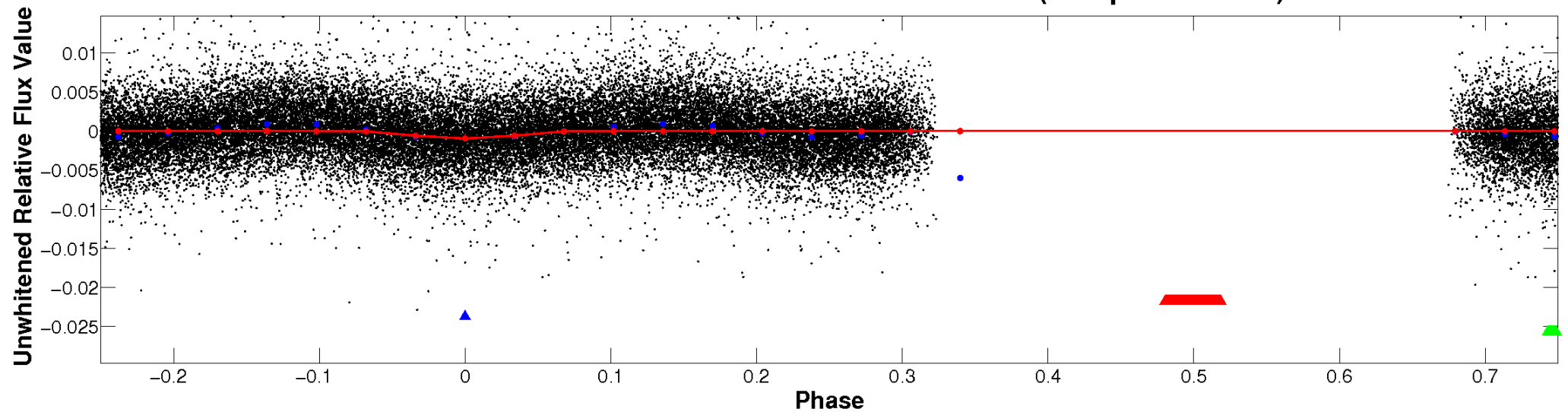
ALT Odd/Even

TCE 005737902-02

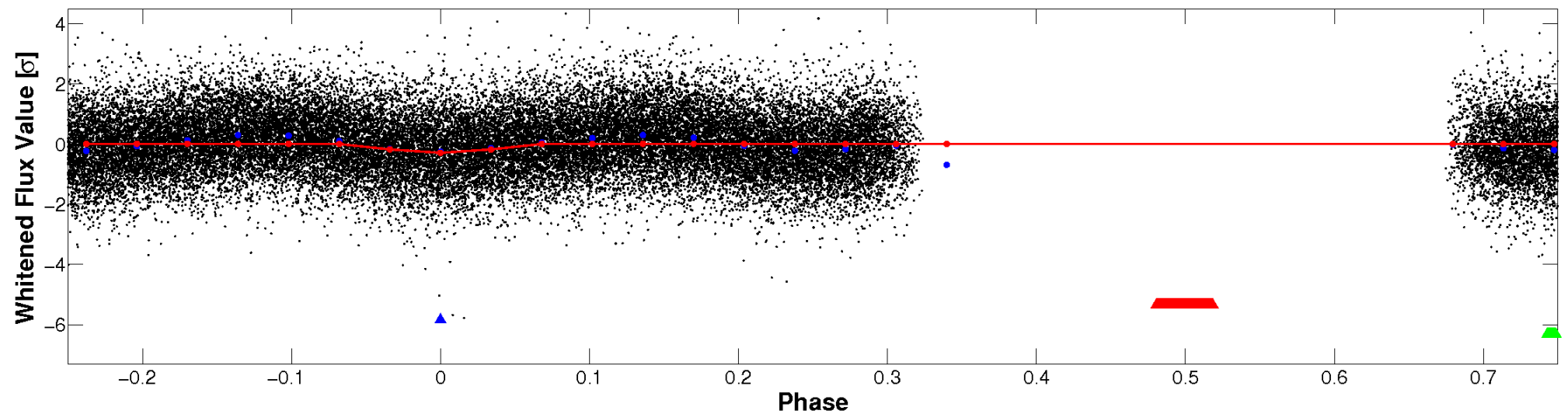


Non-Whitened Vs. Whitened Light Curve

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

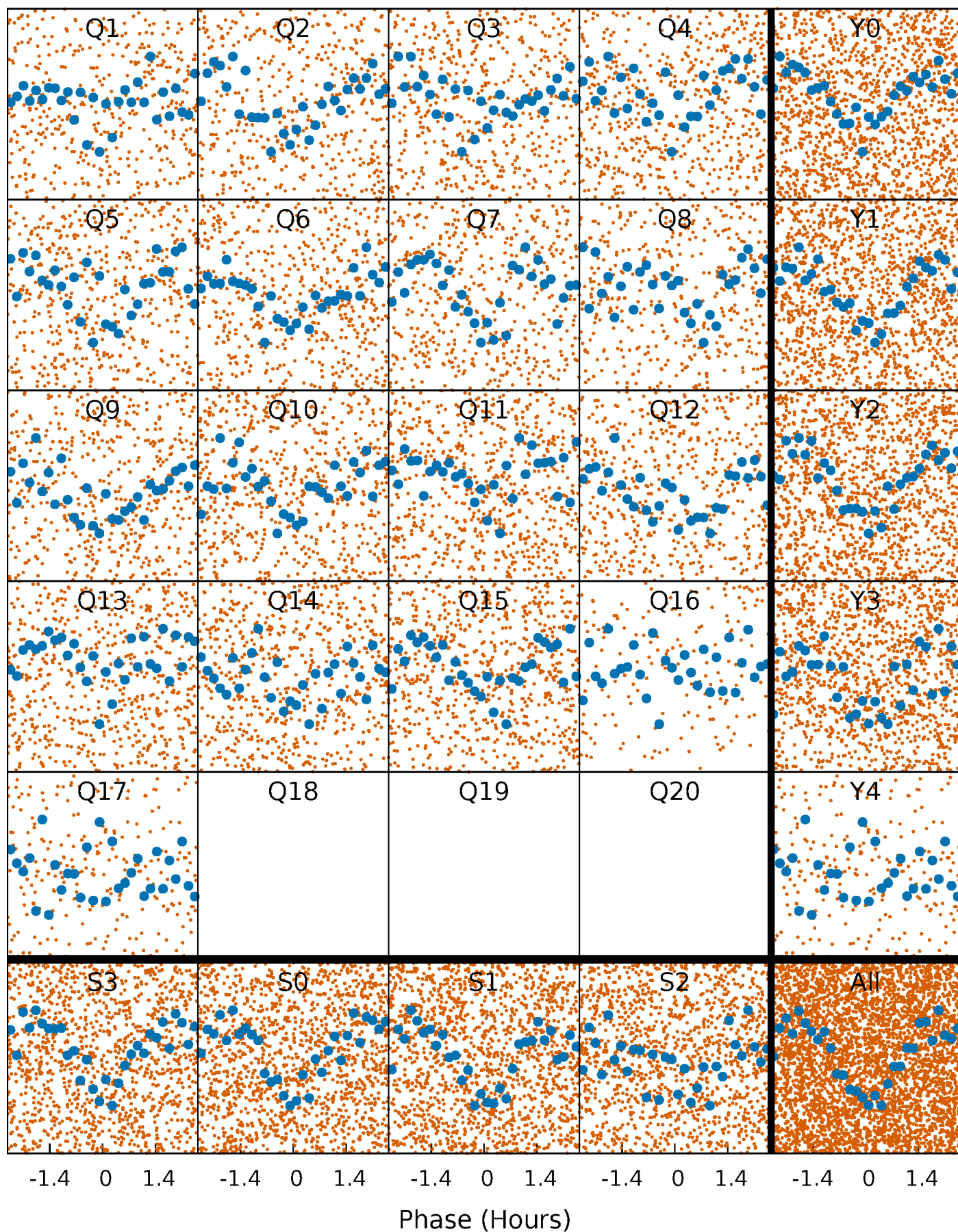


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



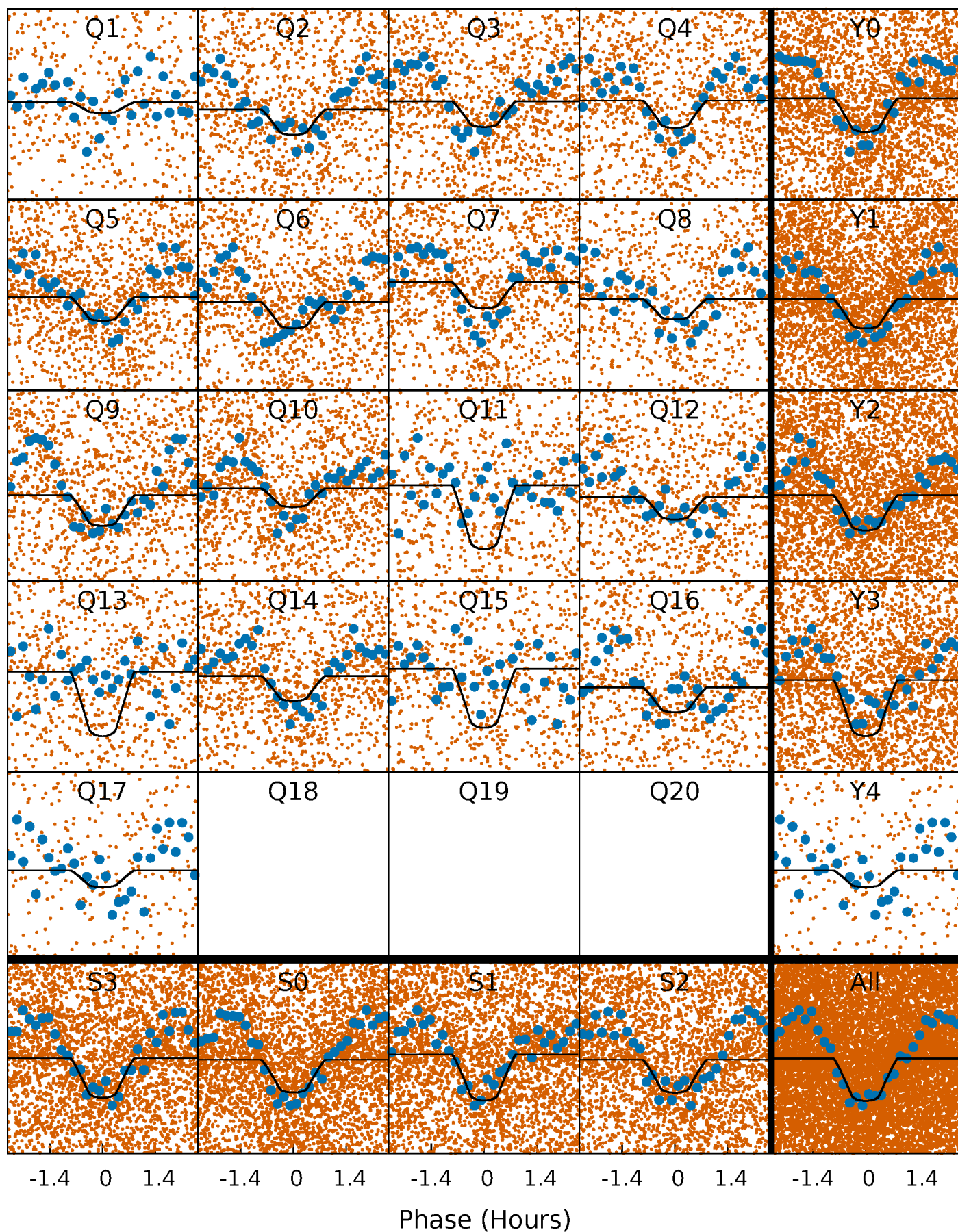
PDC Quarter-Phased Transit Curves

TCE 005737902-02 P= 0.601402 Days $T_0=132.078161$ (BKJD)



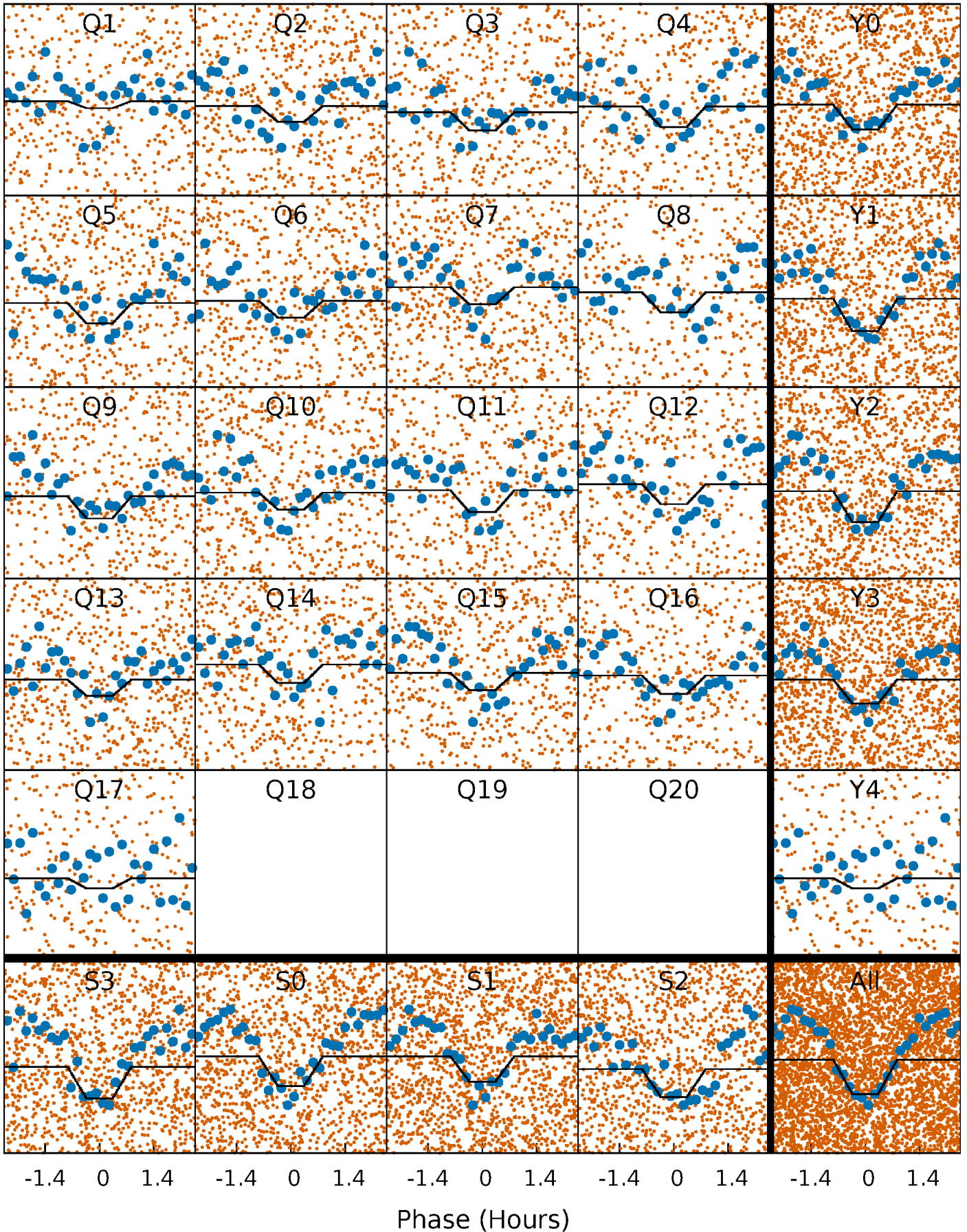
DV Quarter-Phased Transit Curves

TCE 005737902-02 P= 0.601402 Days $T_0=132.078161$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

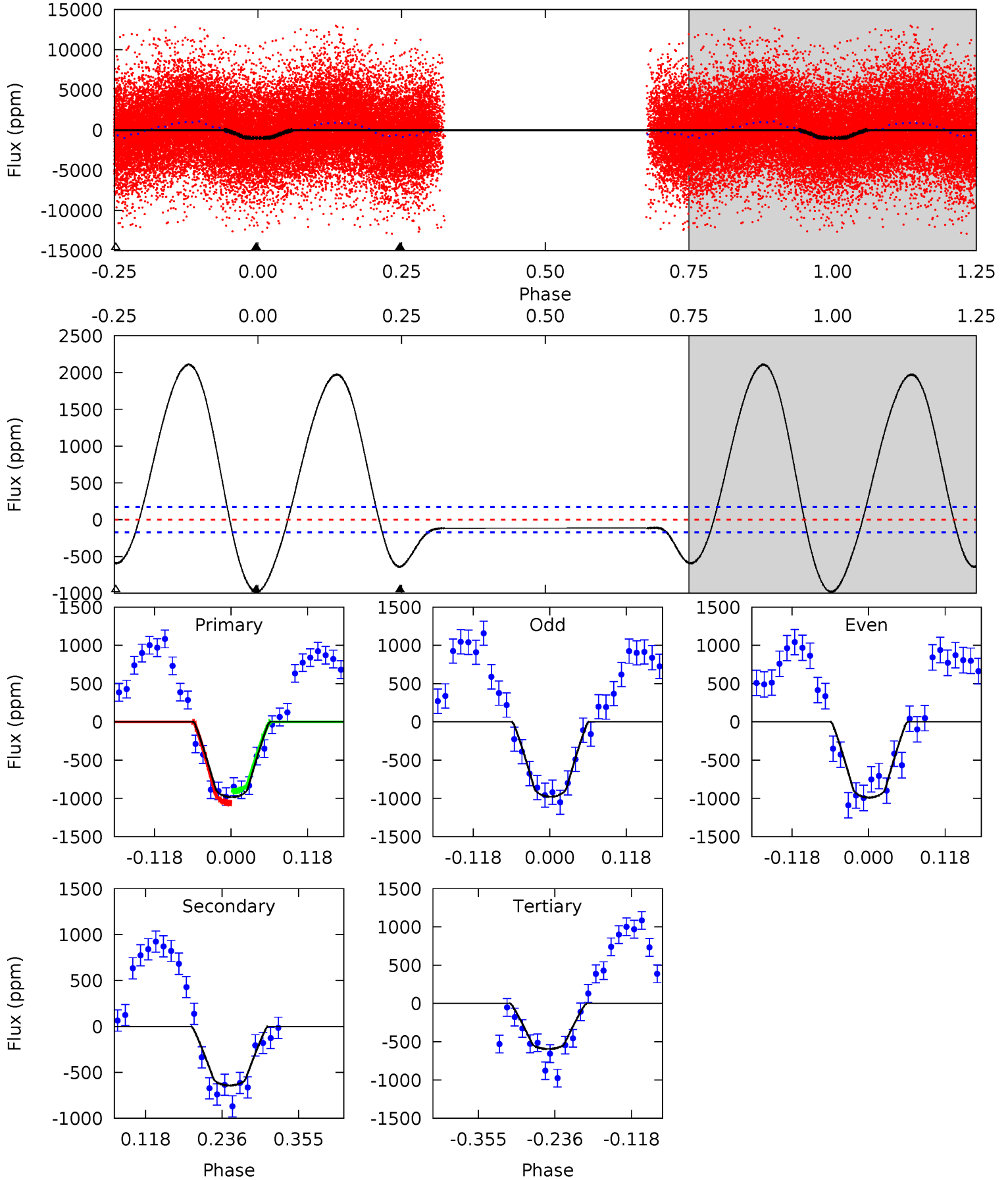
TCE 005737902-02 $P = 0.601404$ Days $T_0 = 132.078373$ (BKJD)



DV Model-Shift Uniqueness Test

005737902-02, P = 0.601402 Days, E = 131.476759 Days

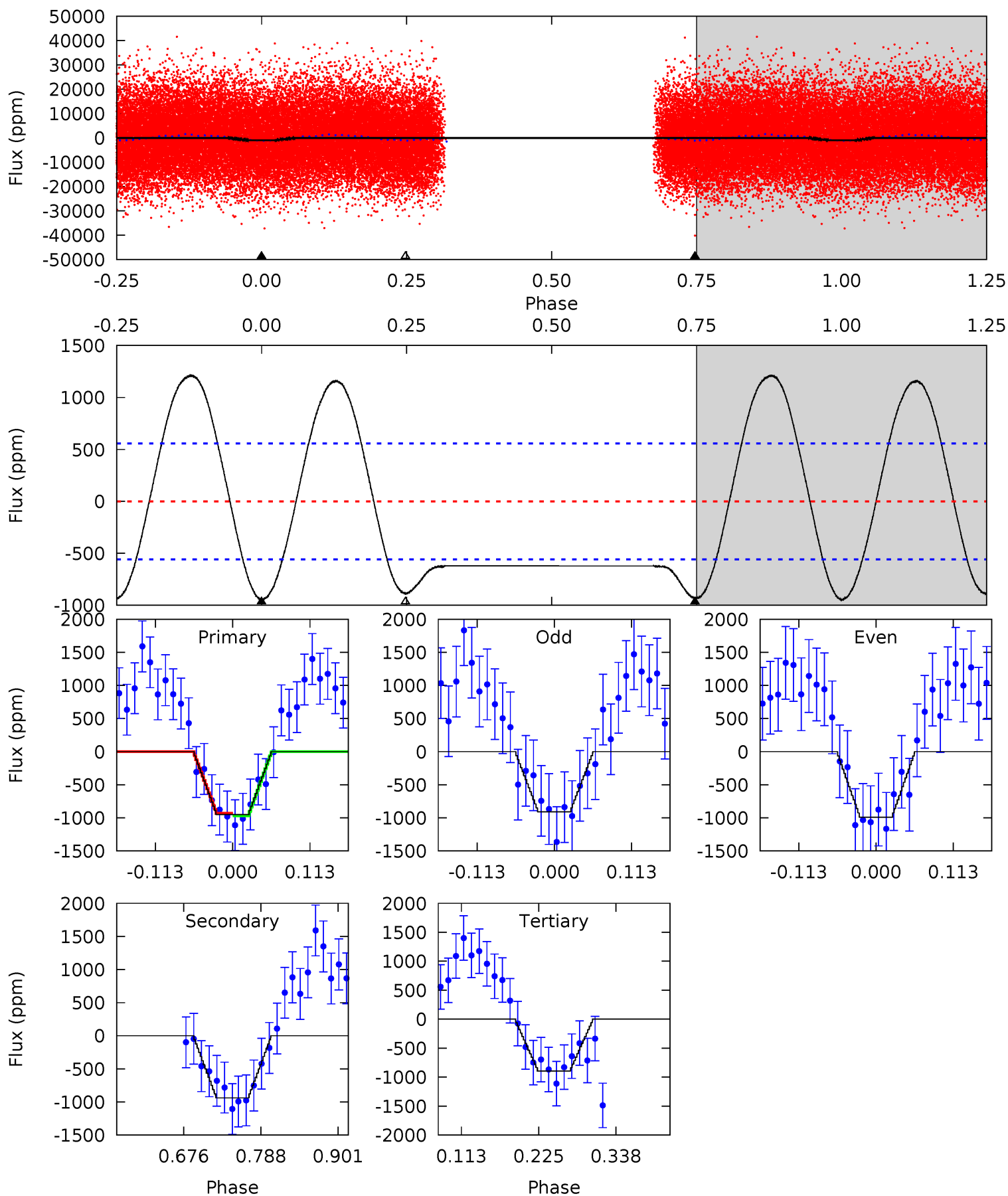
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
25.9	16.9	15.6	0	4.53	1.56	25.7	10.2	25.9	1.27	16.9	0.15	1.00	0.68	2.05



Alt Model-Shift Uniqueness Test

005737902-02, P = 0.601404 Days, E = 131.476969 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
7.74	7.65	7.28	0	4.54	1.59	6.82	0.46	7.74	0.37	7.65	0.33	0.89	0.56	0.16



Stellar Parameters For KIC 005737902

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6888^{+214}_{-285}	$4.041^{+0.280}_{-0.151}$	$-0.380^{+0.300}_{-0.300}$	$1.778^{+0.470}_{-0.574}$	$1.269^{+0.203}_{-0.203}$	$0.318^{+0.529}_{-0.154}$
	+3%/-4%	+7%/-4%	+79%/-79%	+26%/-32%	+16%/-16%	+167%/-49%
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 005737902-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-642 ± 38	$5.83^{+4.17}_{-3.26}$	4535^{+350}_{-372}	5915^{+3902}_{-1474}	$2.337^{+9.535}_{-1.530}$
Alt.	-940 ± 123	$5.81^{+3.76}_{-3.27}$	4548^{+360}_{-410}	6576^{+5343}_{-1534}	$3.409^{+15.323}_{-2.113}$

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 $A_{obs} \gg 1.0$

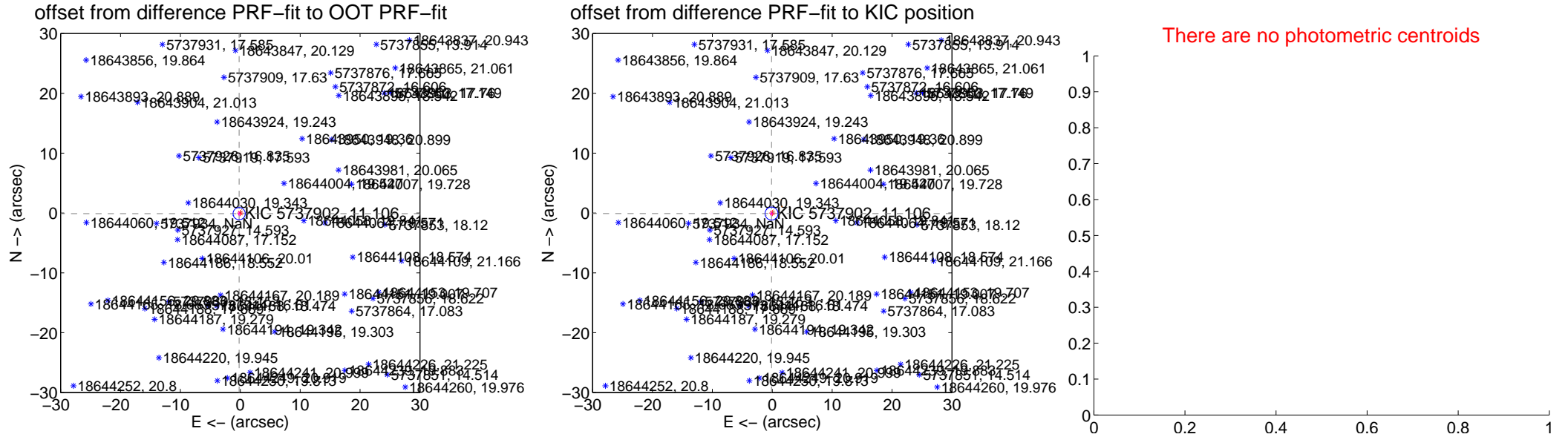
DV Centroid Data

Supplemental centroid analysis for 005737902-02. **Kepler magnitude: 11.11.** Transit SNR 18.22

There are 9 quarters with good PRF difference image offsets

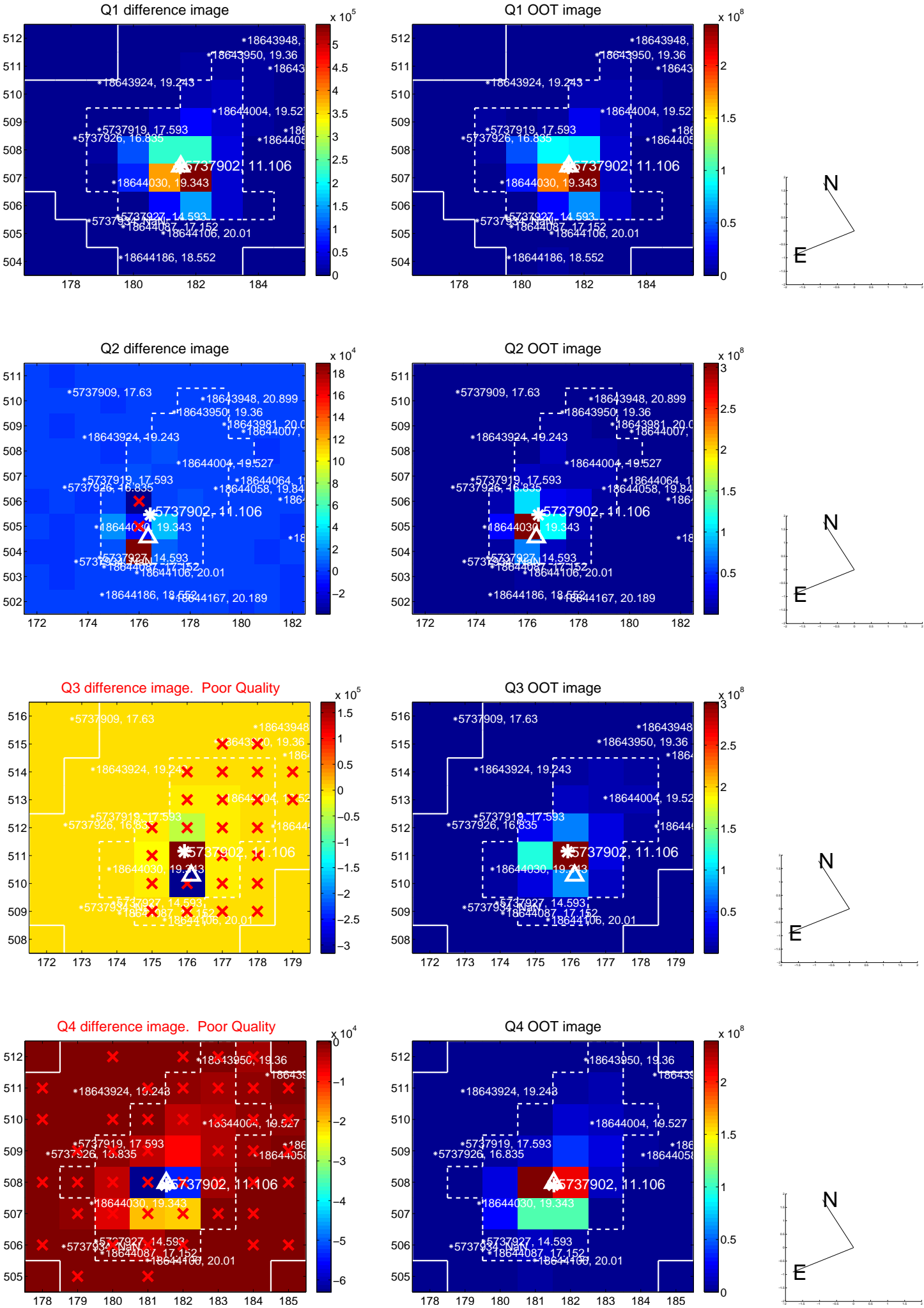
The direct PRF centroid is offset from the target star catalog position by about 0.04 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.215 ± 0.339	0.63	0.189 ± 0.225	-0.103 ± 0.353
PRF-fit source offset from KIC position	0.154 ± 0.362	0.43	0.121 ± 0.222	-0.095 ± 0.348
photometric centroid source offset	—	—	—	—

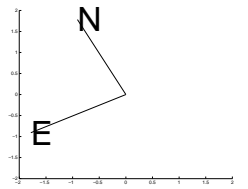
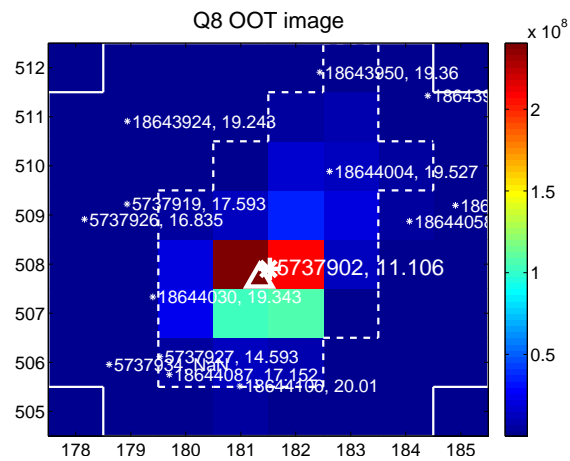
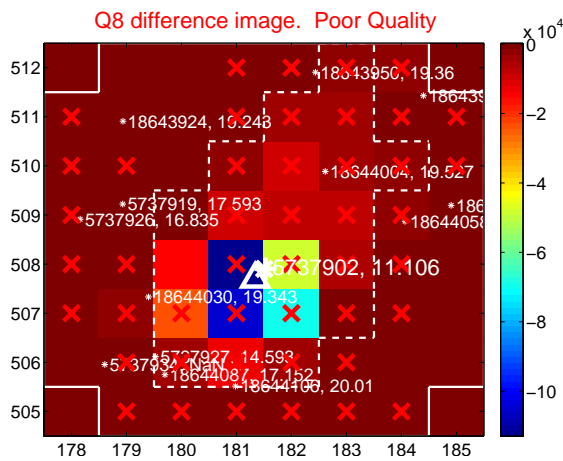
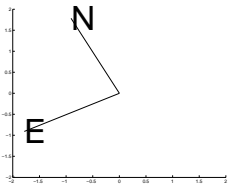
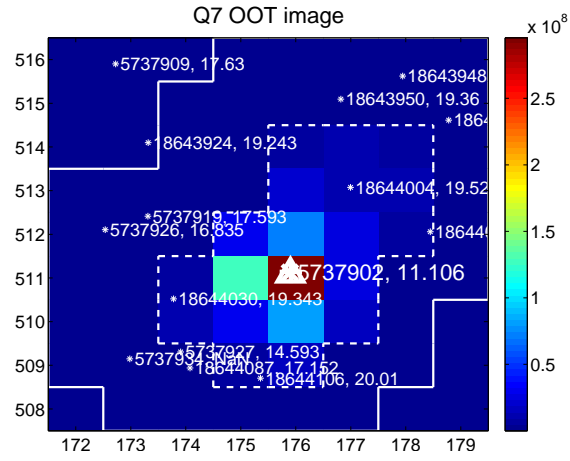
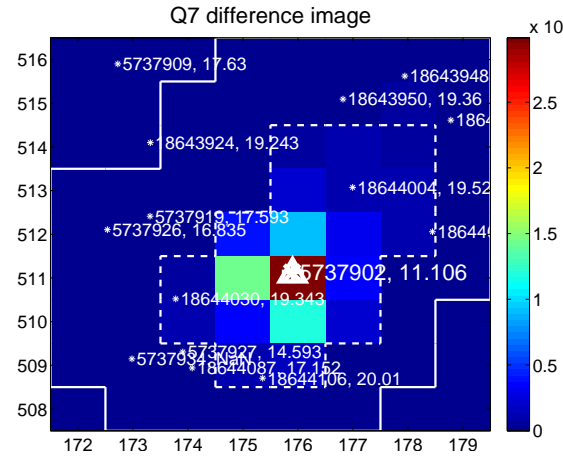
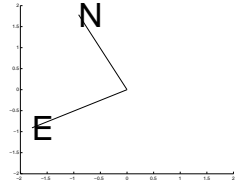
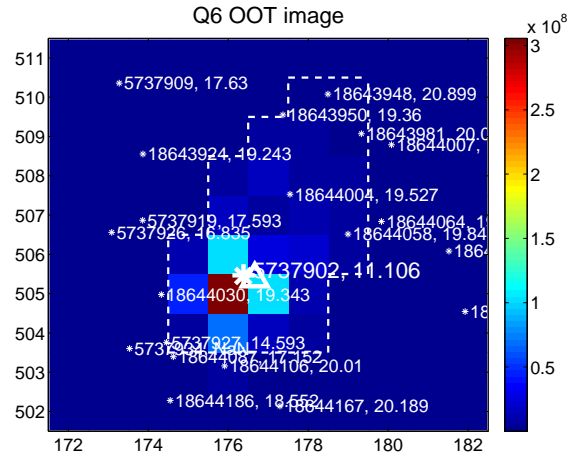
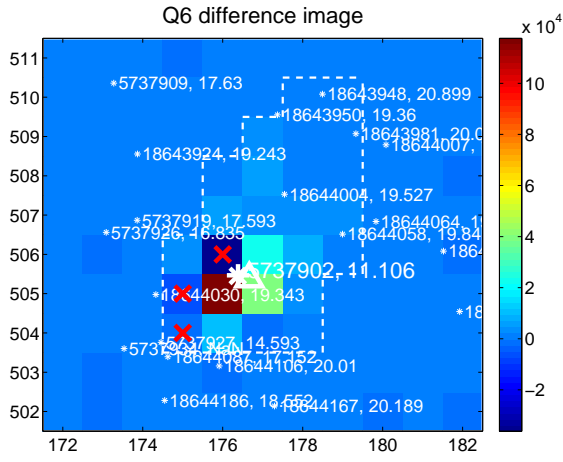
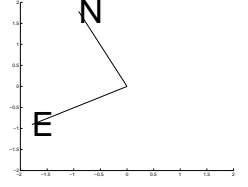
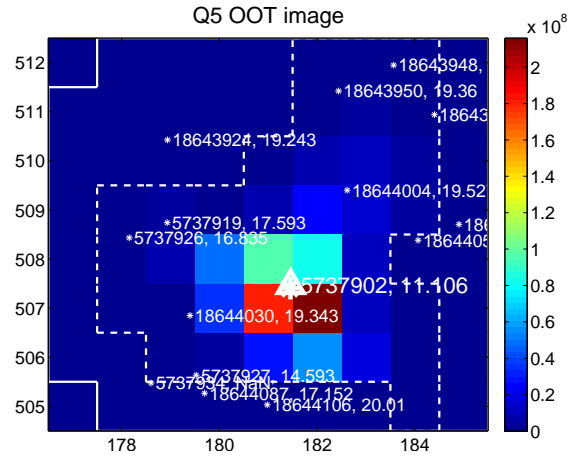
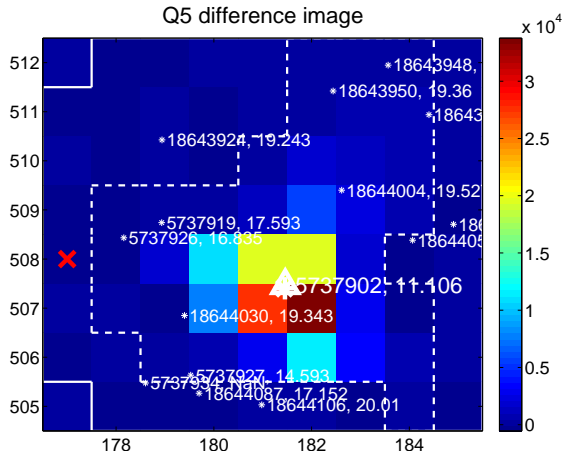


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

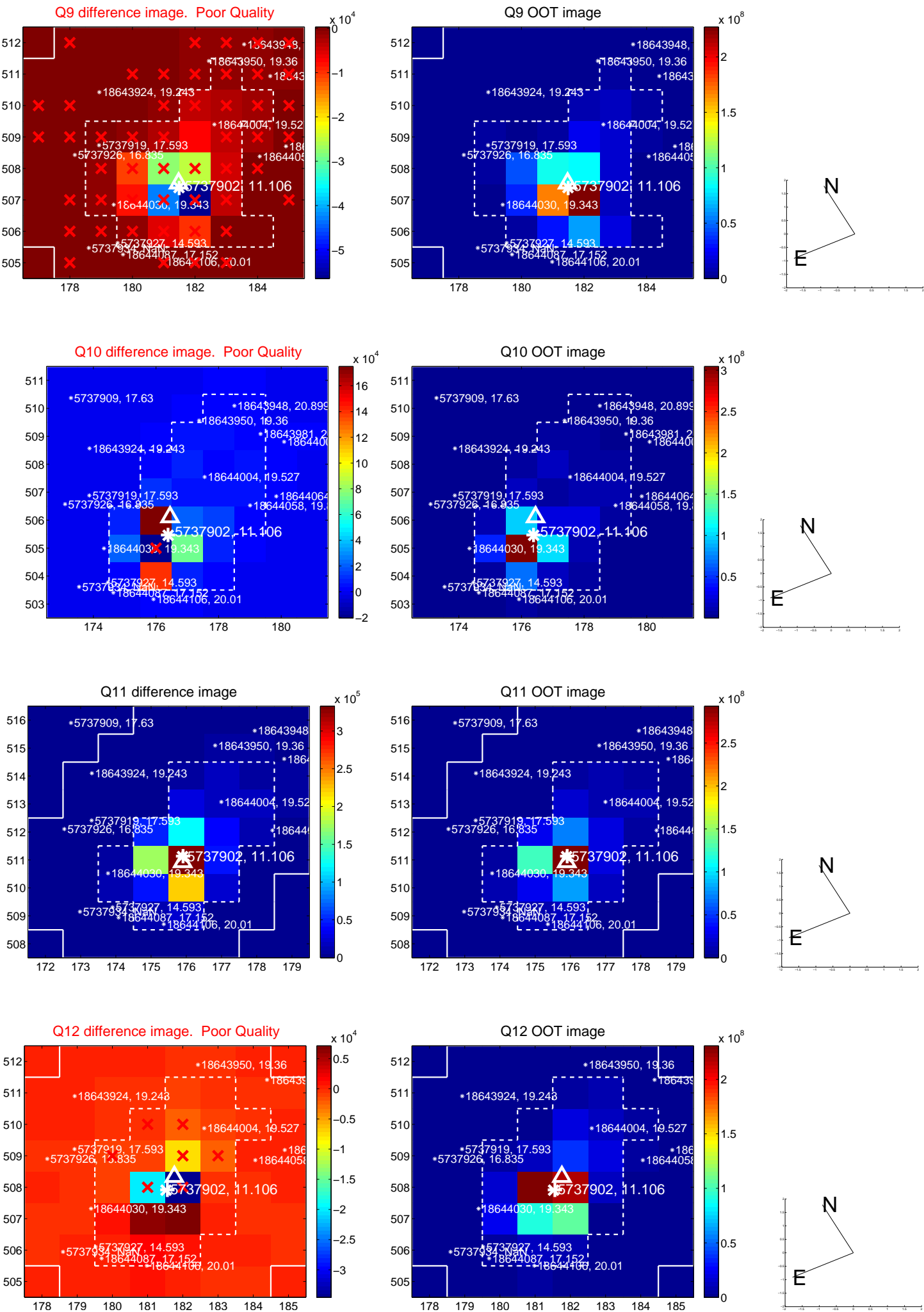
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



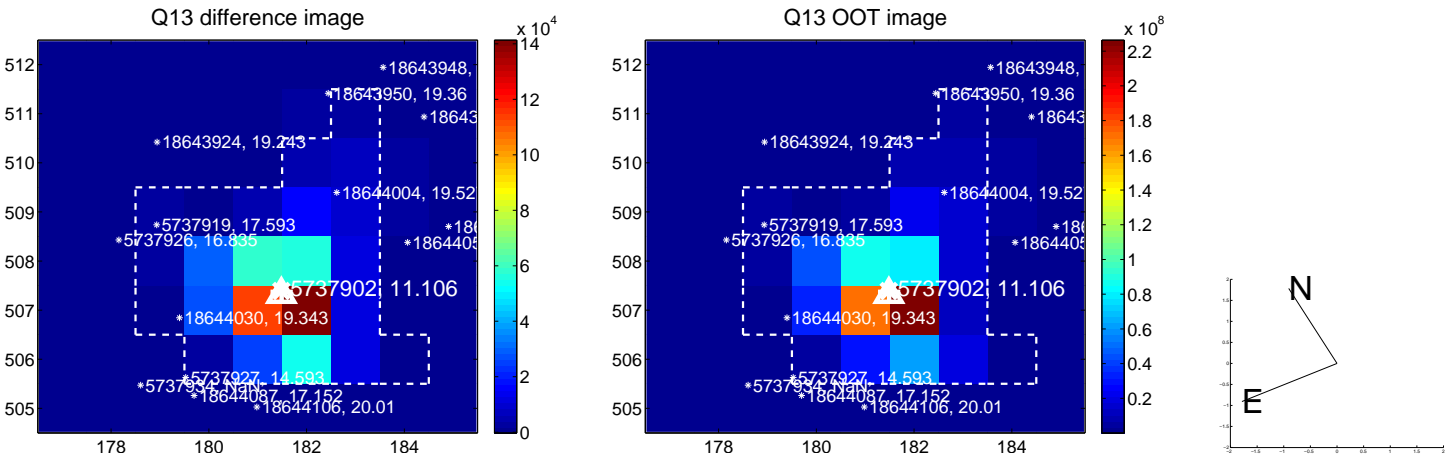
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



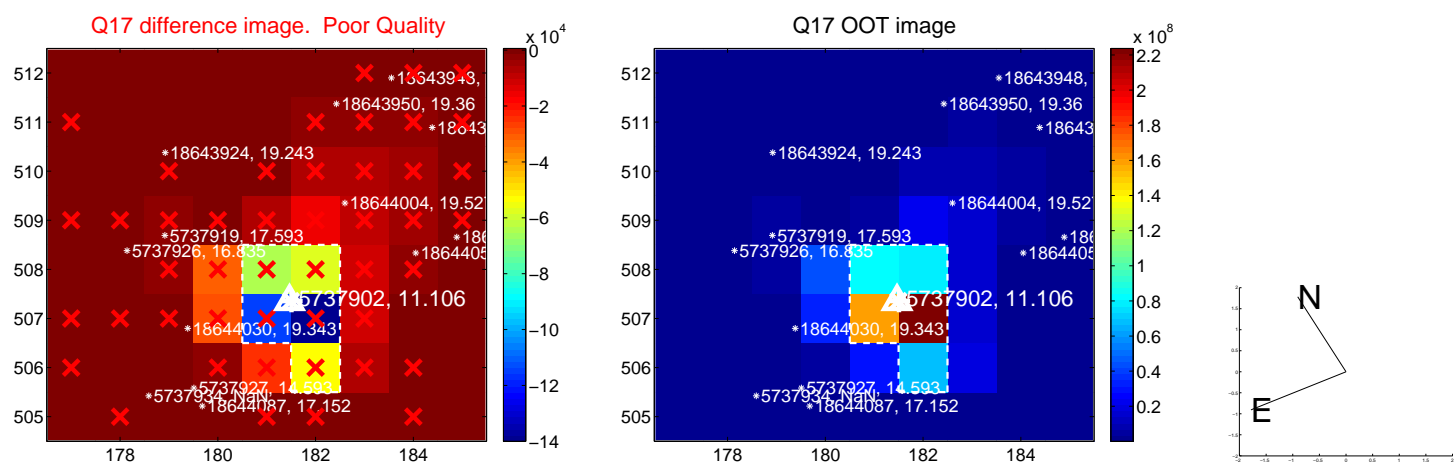
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

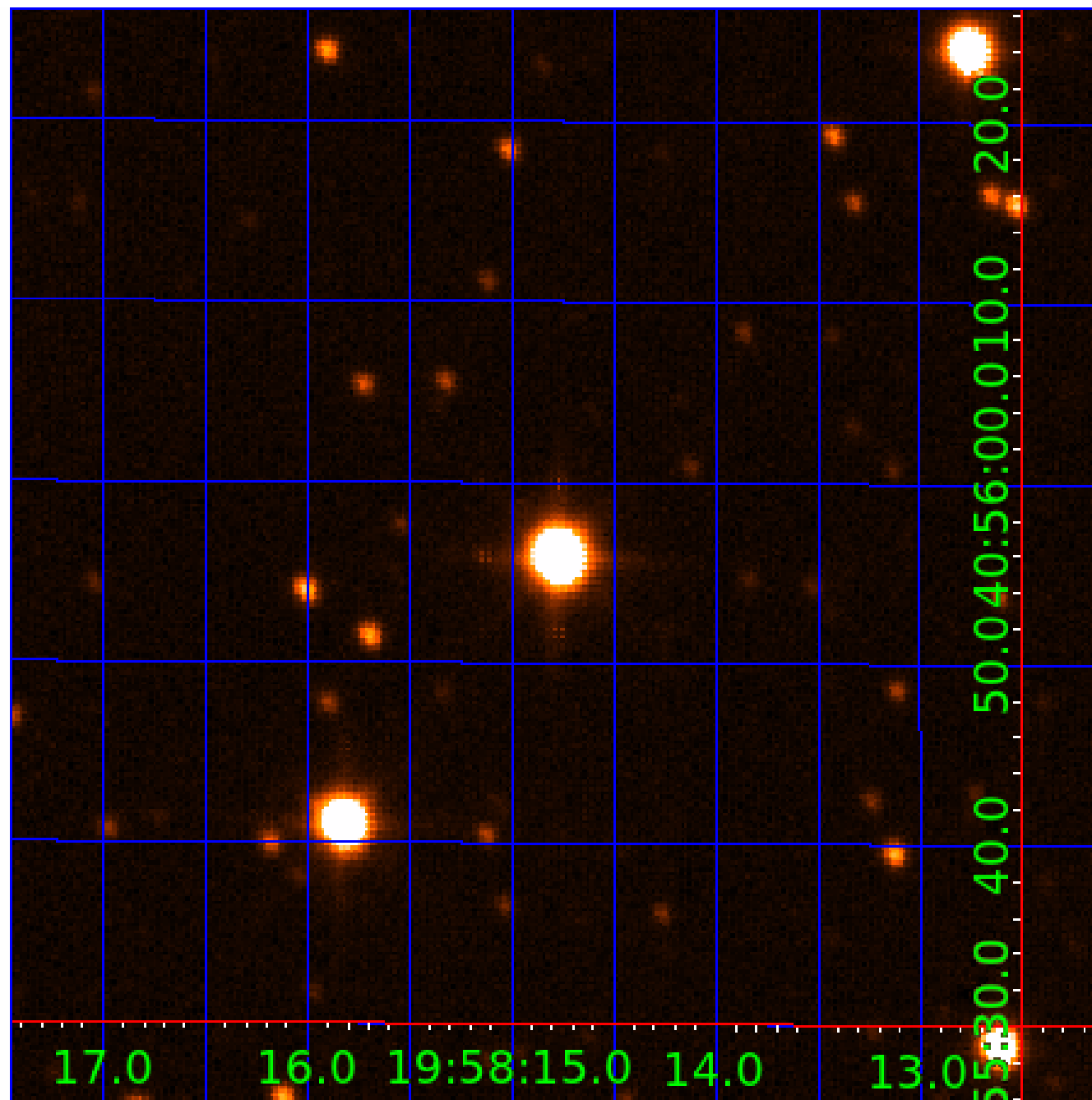


folded centroid time series figure for this object.



UKIRT Image

Declination



KIC 005737902

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})
005737902-01	OBS	No	0.601412	131.765707	856.2	1.702	17.1	17.8	1.78	6888	6.08	27989.30
005737902-02	OBS	No	0.601402	132.078161	942.5	1.264	13.7	18.2	1.78	6888	5.88	27989.89
005737902-03	OBS	No	0.601404	131.923494	102.7	1.500	11.0	-1.0	1.78	6888	1.83	27989.80

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005737902-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—CENT_SATURATED
005737902-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—SAME_NTL_PERIOD—CENT_SATURATED
005737902-03	OBS	FP	0.00	1	0	0	0	LPP_DV—NO_FITS—SAME_NTL_PERIOD—CENT_SATURATED

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

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

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

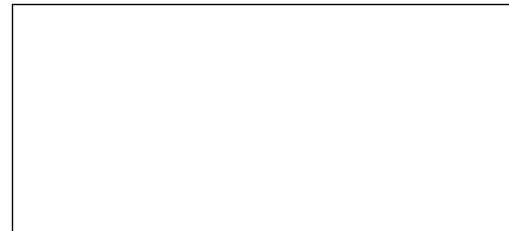
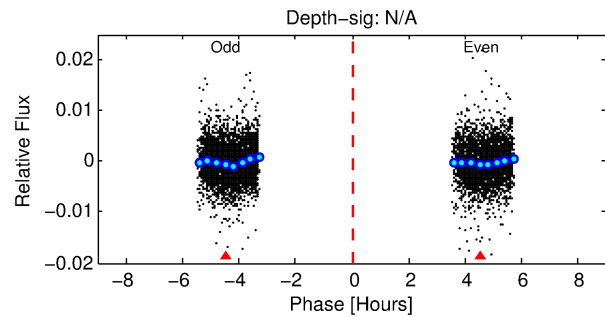
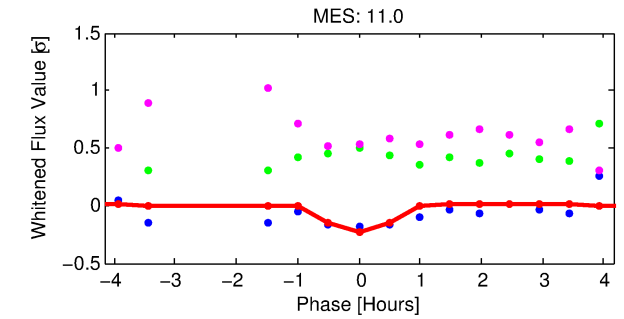
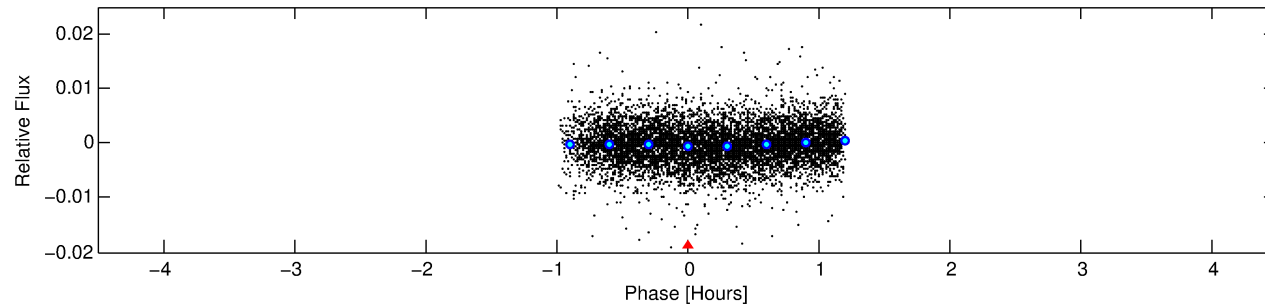
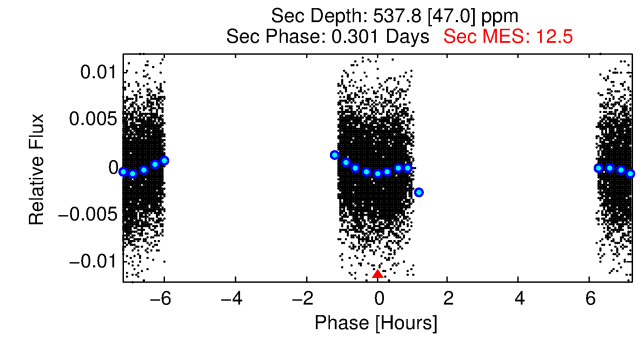
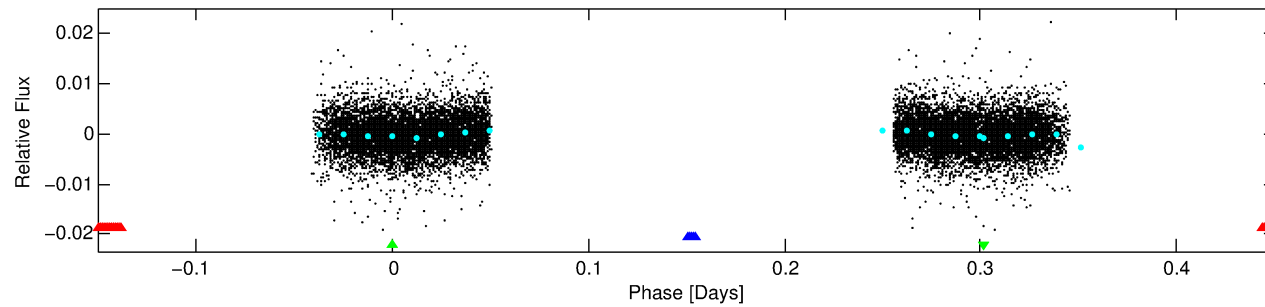
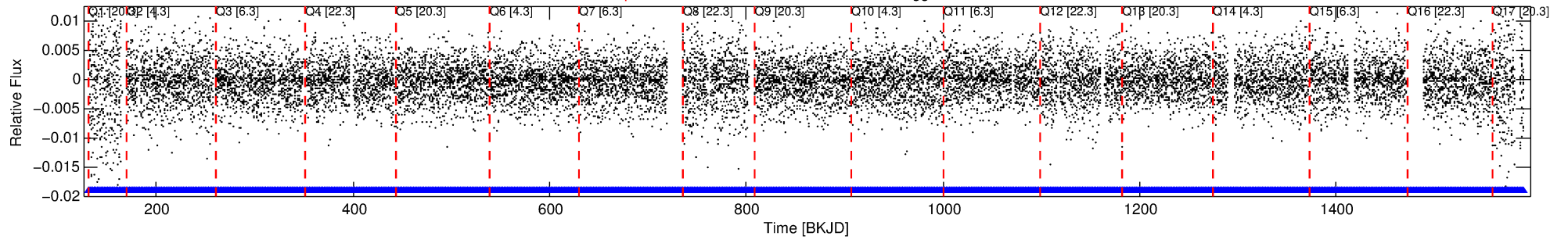
Ephemeris Match Information For 005737902-03

No Significant Match Found

DV One-Page Summary

KIC: 5737902 Candidate: 3 of 3 Period: 0.601 d

Kp: 11.11 R*: 1.78 Rs Teff: 6888.0 K Logg: 4.04 Fe/H: -0.380



TPS TCE Results:

Period = 0.60140 d
Epoch = 131.9235 BKJD

DV fit results are unavailable

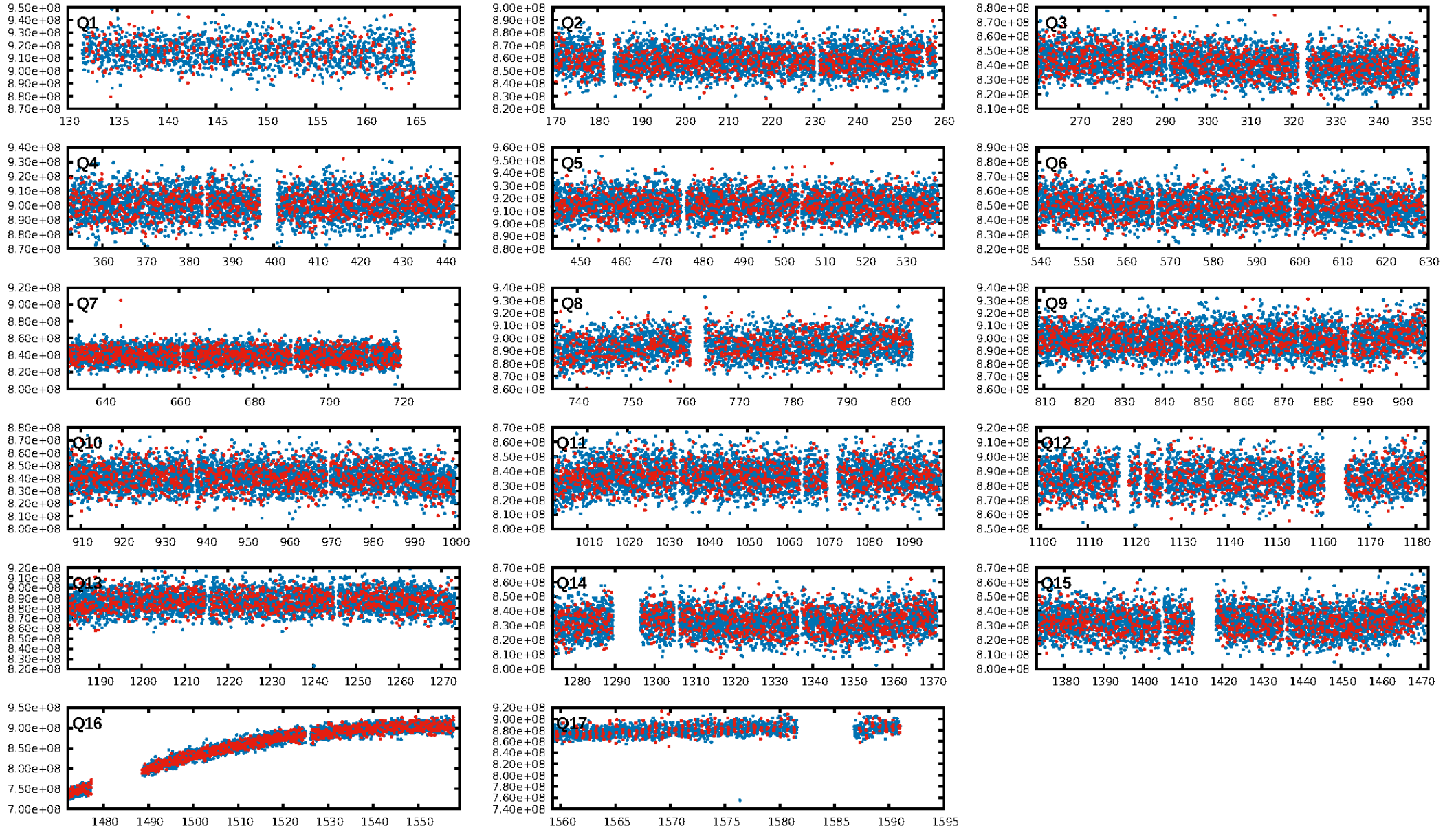
DV Diagnostic Results:

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]
KicOffset-st: 0/0/0 [0]
DiffImageQuality-fgm: N/A
DiffImageOverlap-fno: N/A

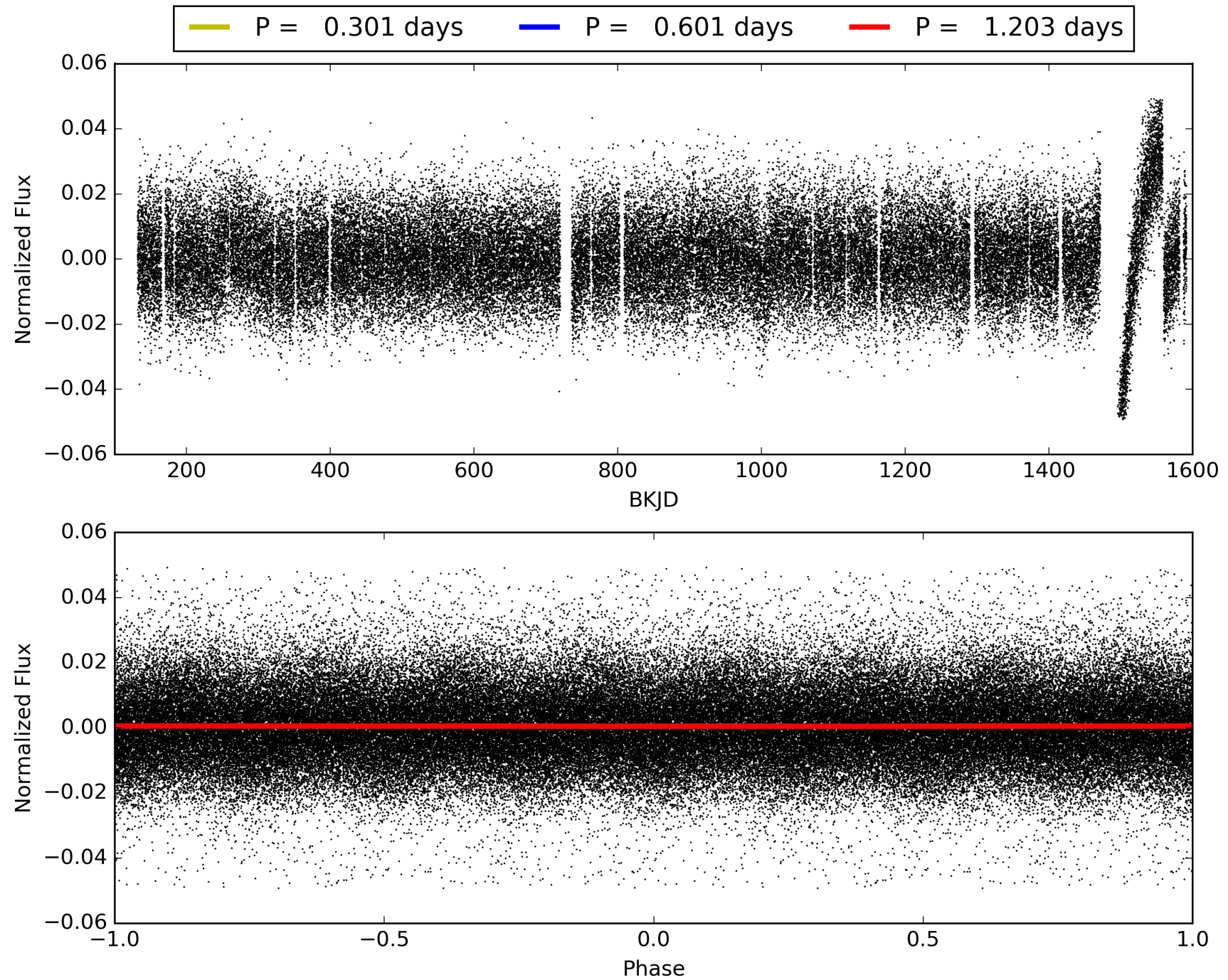
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 18:30:56 Z

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

TCE 005737902-03, PDC Light Curves

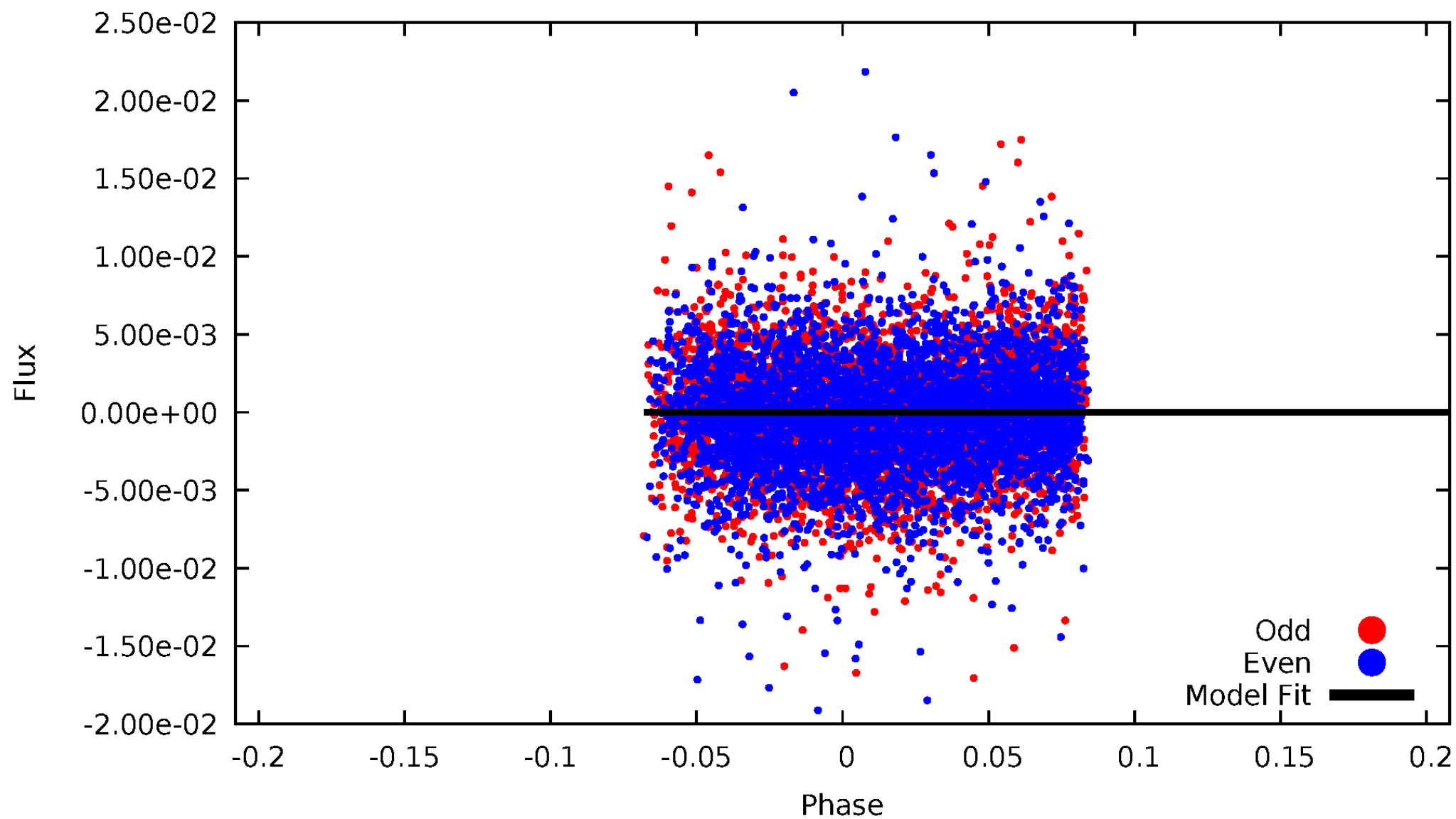


TCE 005737902-03



DV Odd/Even

TCE 005737902-03

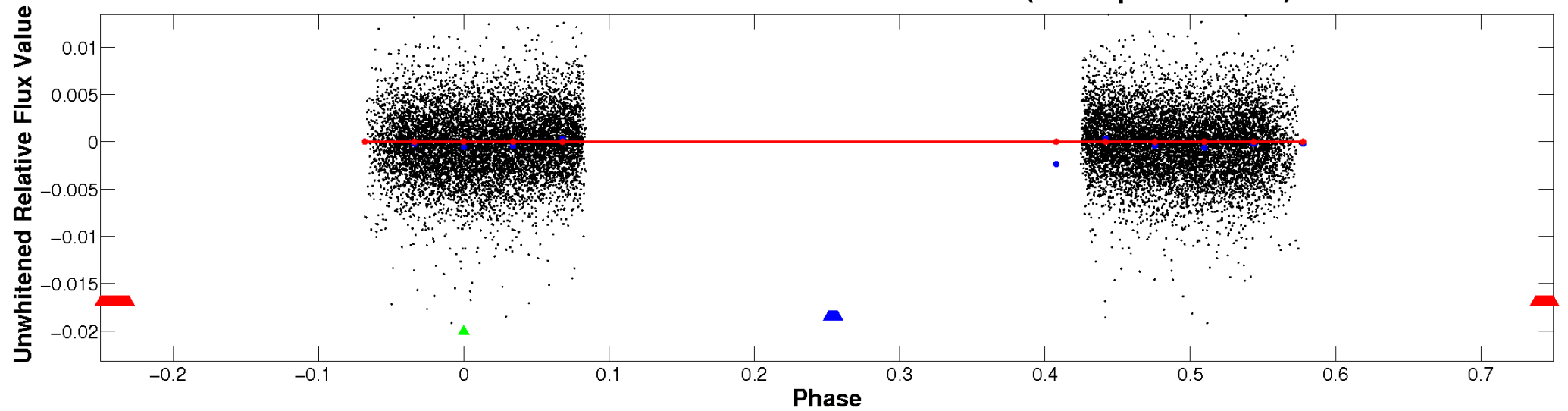


ALT Odd/Even

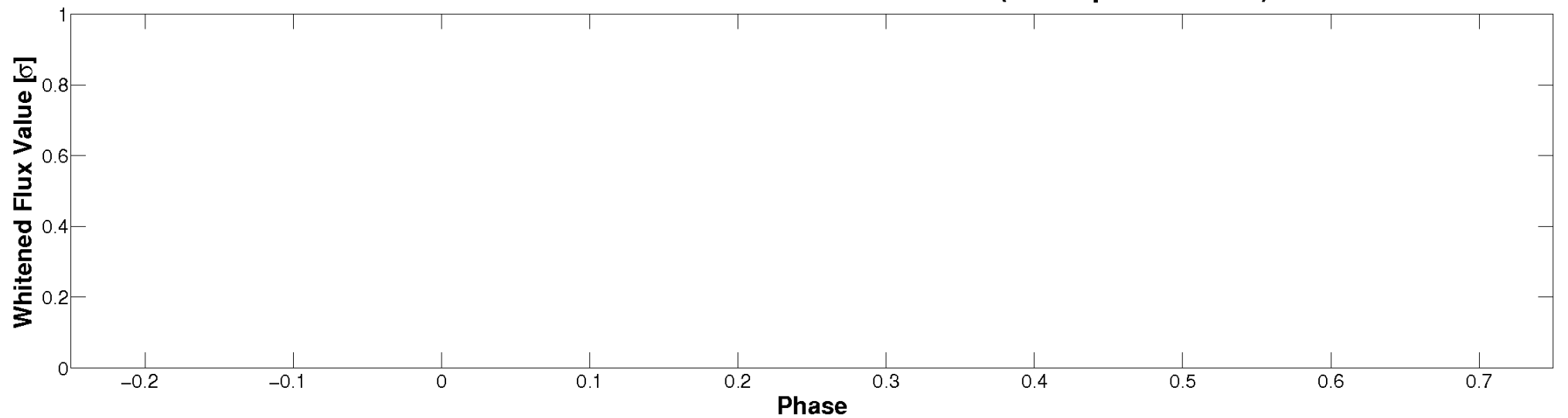
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

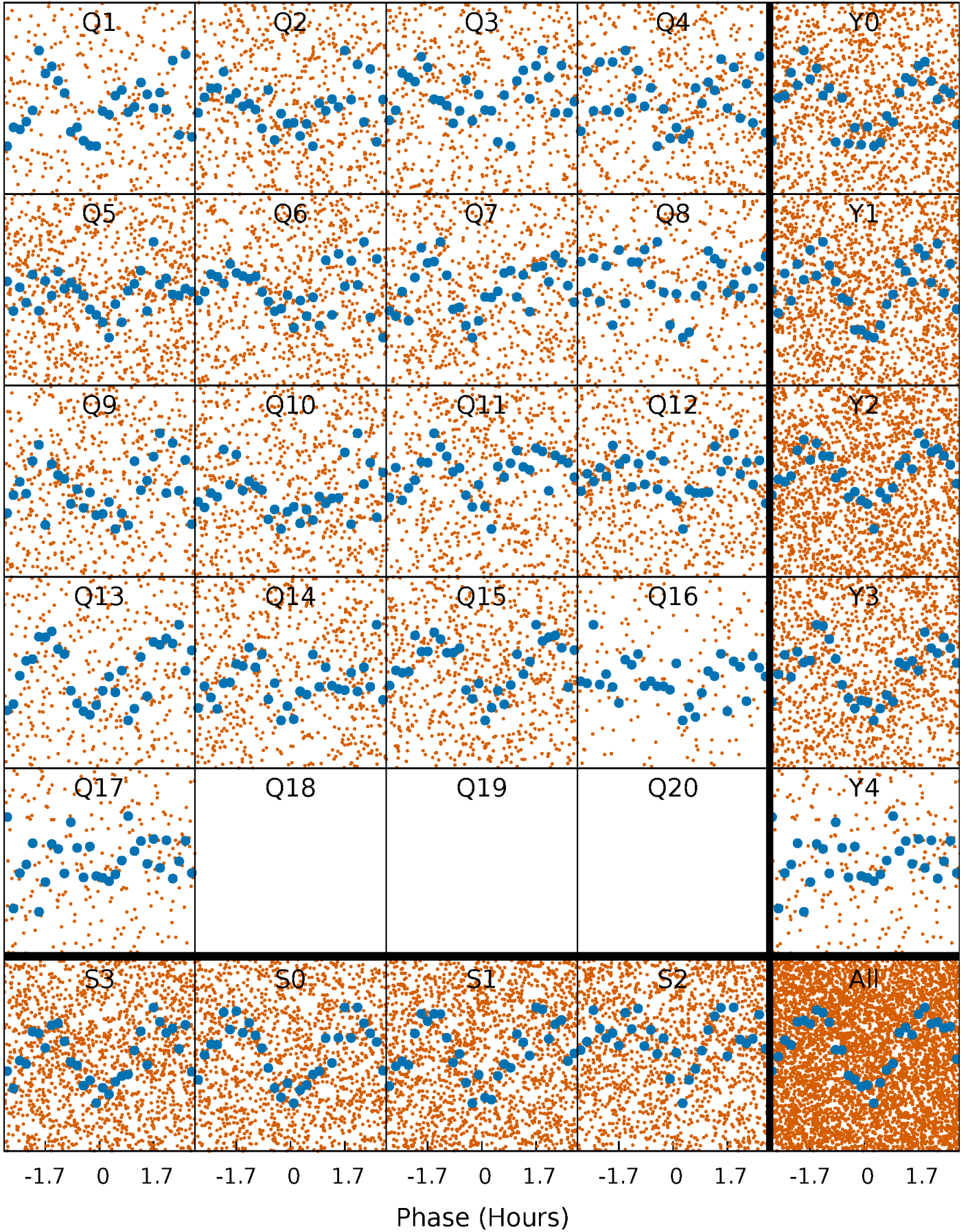


Planet 3 : Phased Whitened Flux Time Series (TPS Epoch/Period)



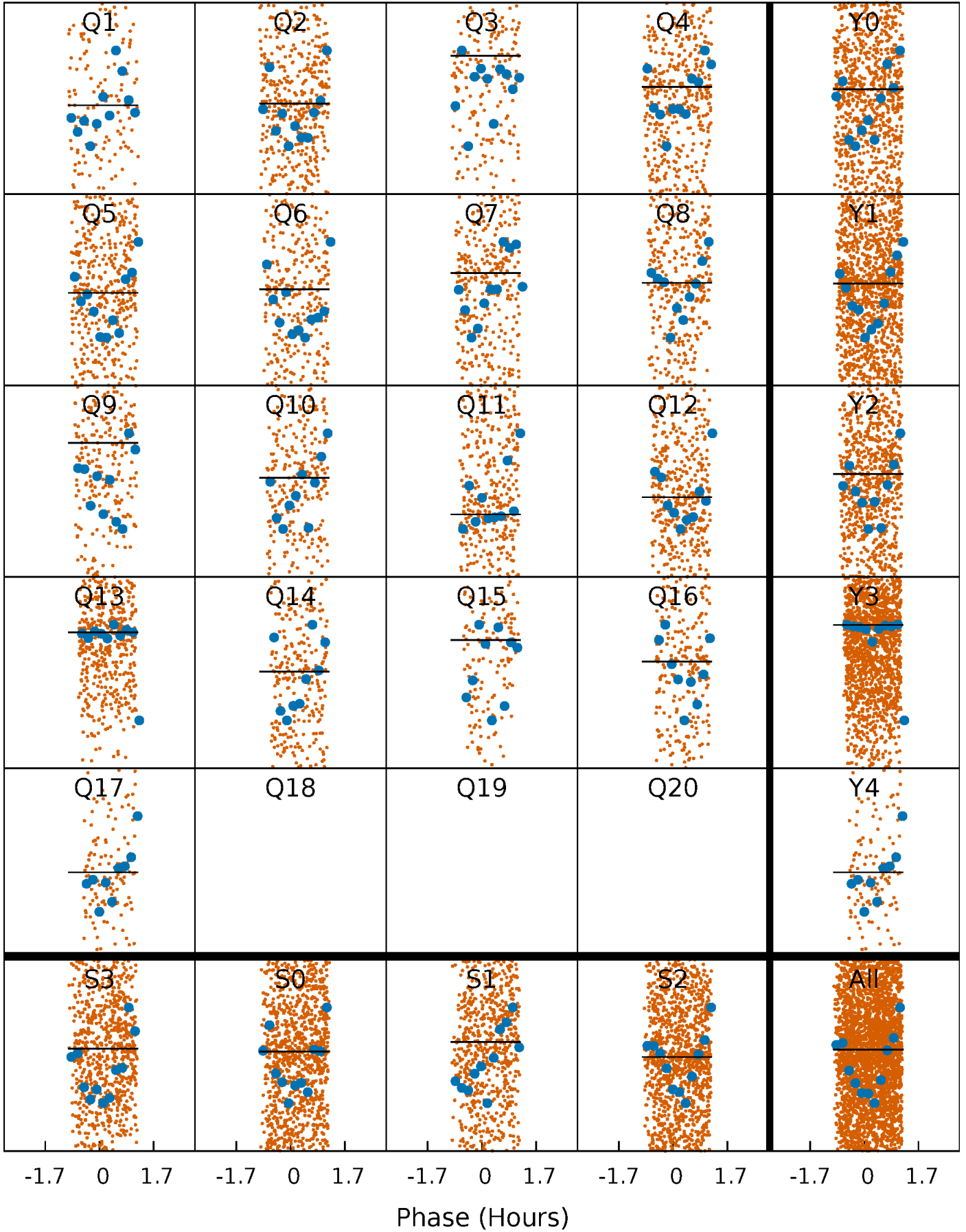
PDC Quarter-Phased Transit Curves

TCE 005737902-03 $P = 0.601404$ Days $T_0 = 131.923494$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 005737902-03 P= 0.601404 Days $T_0=131.923494$ (BKJD)

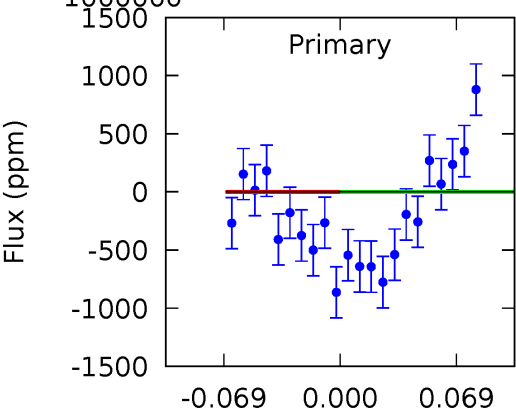
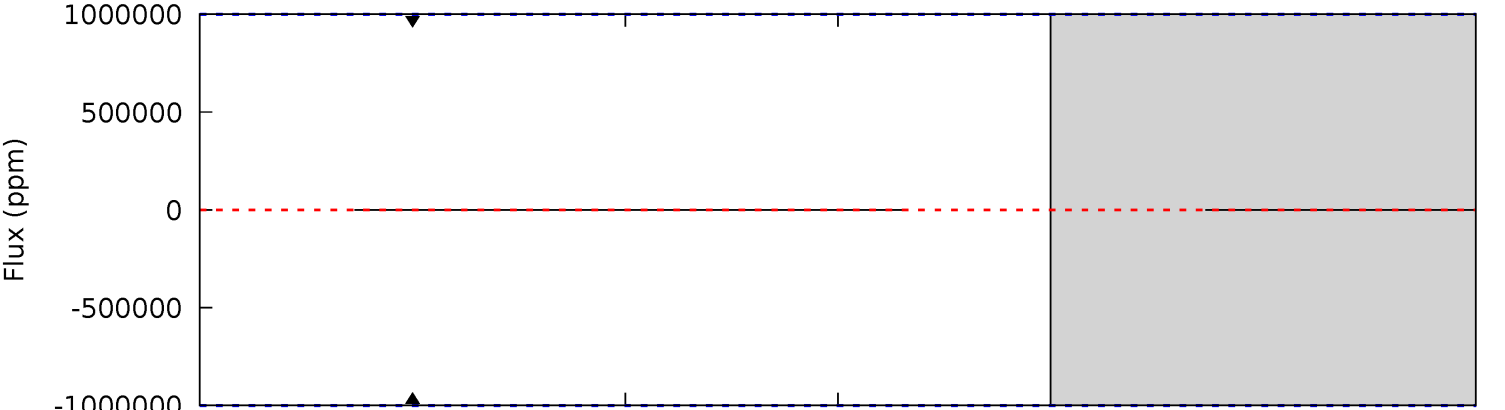
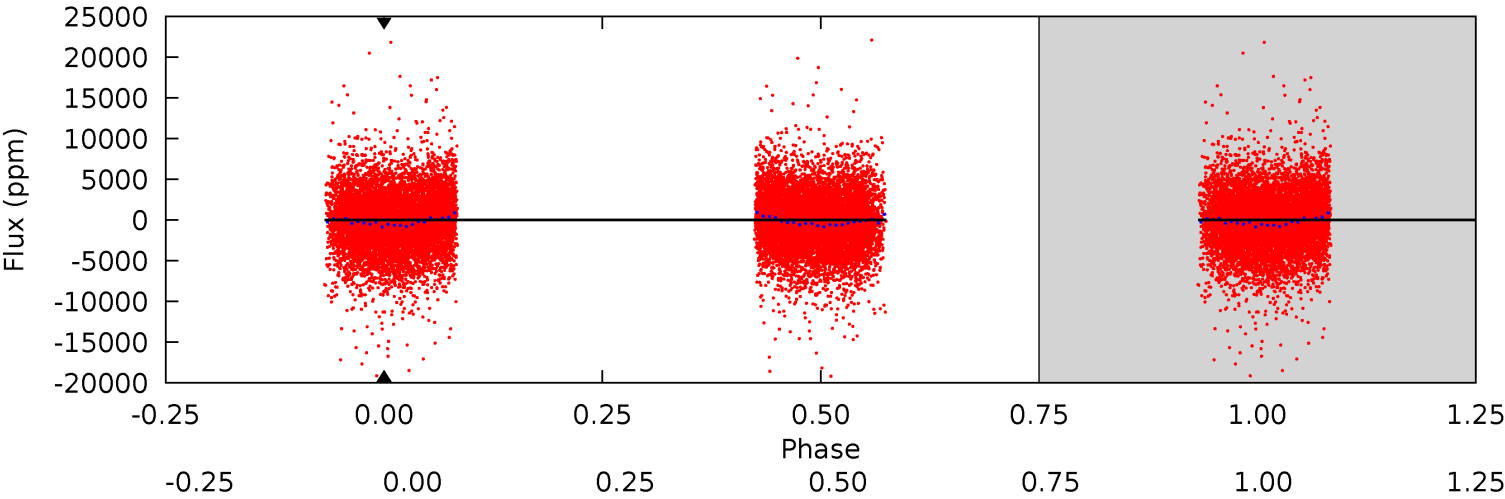


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

005737902-03, P = 0.601404 Days, E = 131.322090 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 005737902

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6888^{+214}_{-285}	$4.041^{+0.280}_{-0.151}$	$-0.380^{+0.300}_{-0.300}$	$1.778^{+0.470}_{-0.574}$	$1.269^{+0.203}_{-0.203}$	$0.318^{+0.529}_{-0.154}$
	+3%/-4%	+7%/-4%	+79%/-79%	+26%/-32%	+16%/-16%	+167%/-49%
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 005737902-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	0 ± 1000000	$12.99^{+14.78}_{-8.96}$	4551^{+353}_{-397}	-3442^{+41970}_{-28330}	$0.216^{+154.914}_{-118.997}$
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 $A_{obs} \gg 1.0$

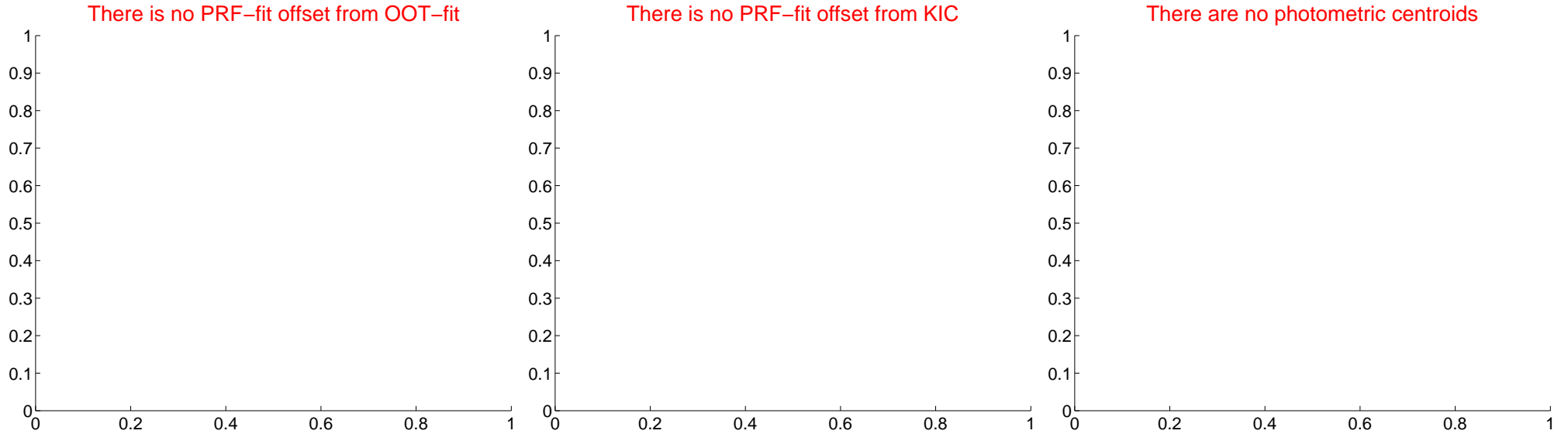
DV Centroid Data

Supplemental centroid analysis for 005737902-03. **Kepler magnitude: 11.11.** 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

