

KIC 010749793

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})
010749793-01	OBS	No	0.722709	131.904874	278.8	1.741	10.5	11.7	3.15	7848	5.63	81158.82
010749793-02	OBS	No	0.722709	131.671278	224.3	2.784	10.4	11.4	3.15	7848	5.49	81158.76
010749793-03	OBS	No	0.722707	132.161879	227.3	2.164	9.7	11.9	3.15	7848	4.92	81159.01

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
010749793-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
010749793-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD
010749793-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD

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

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

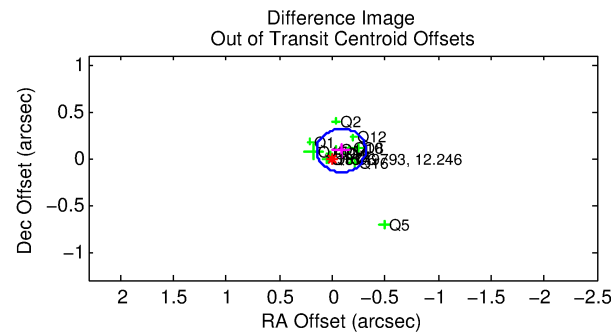
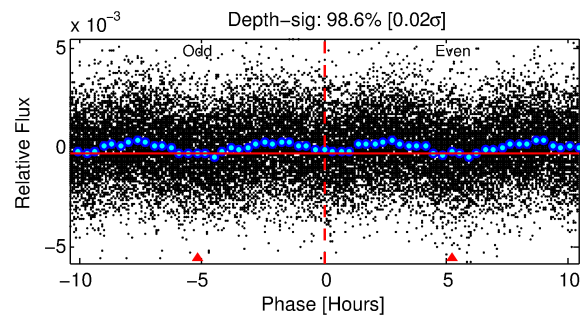
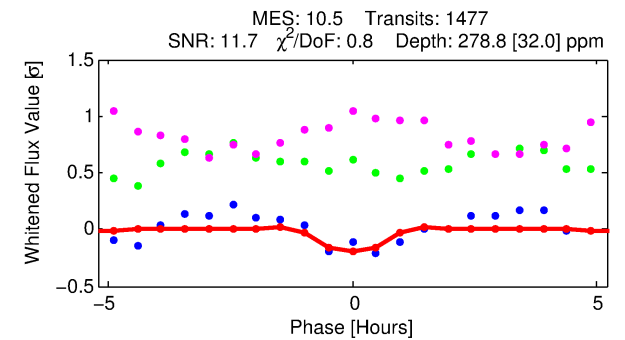
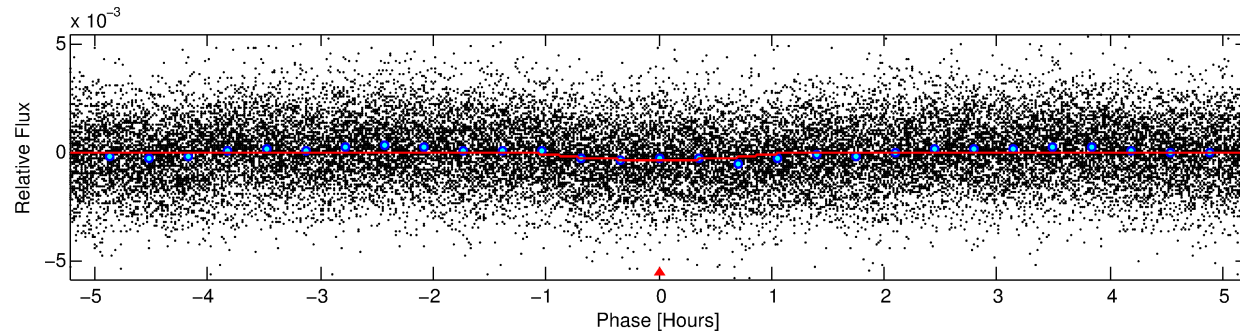
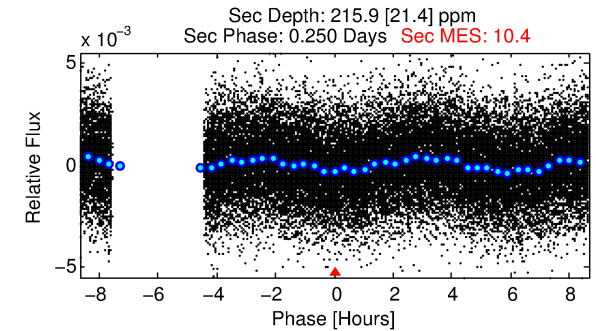
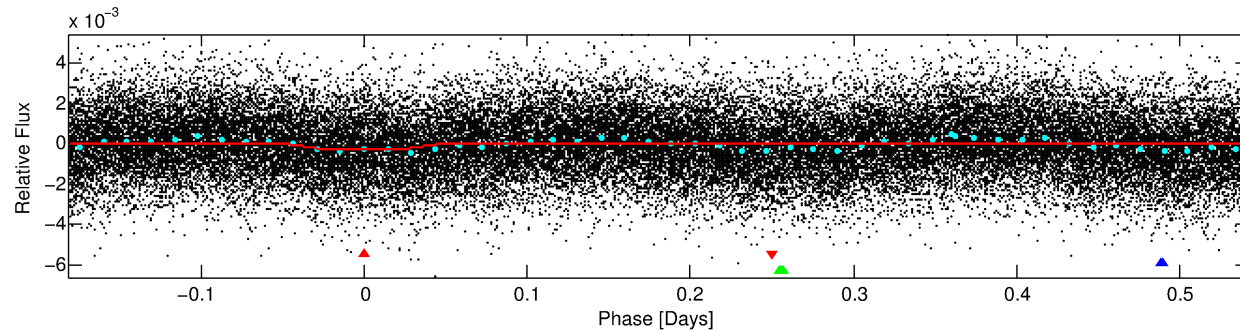
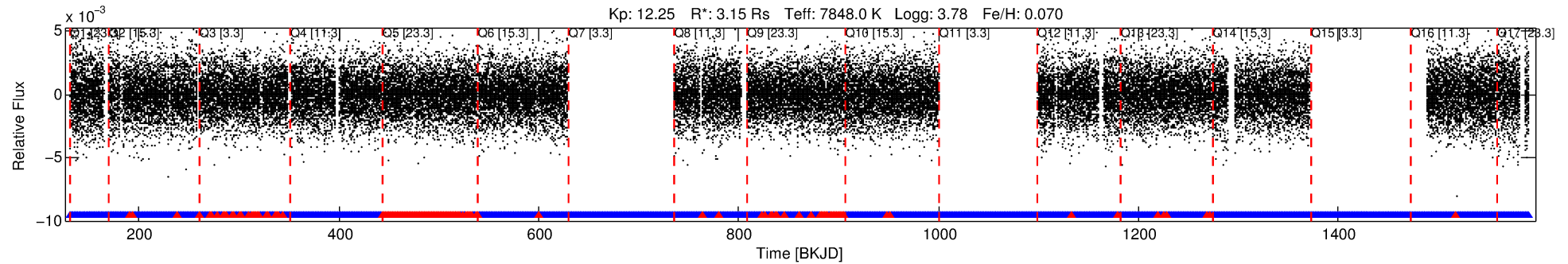
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 010749793-01

No Significant Match Found

DV One-Page Summary

KIC: 10749793 Candidate: 1 of 3 Period: 0.723 d



DV Fit Results:

Period = 0.72271 [0.00001] d
Epoch = 131.9049 [0.0021] BKJD
Rp/R* = 0.0164 [0.0105]
a/R* = 2.51 [7.78]
b = 0.69 [2.85]
Seff = 81158.82 [52750.22]
Teq = 4304 [699] K
Rp = 5.63 [4.29] Re
a = 0.0204 [0.0080] AU
Ag = 1.56 [2.23] [0.25σ]
Teffp = 7433 [2413] K [1.25σ]

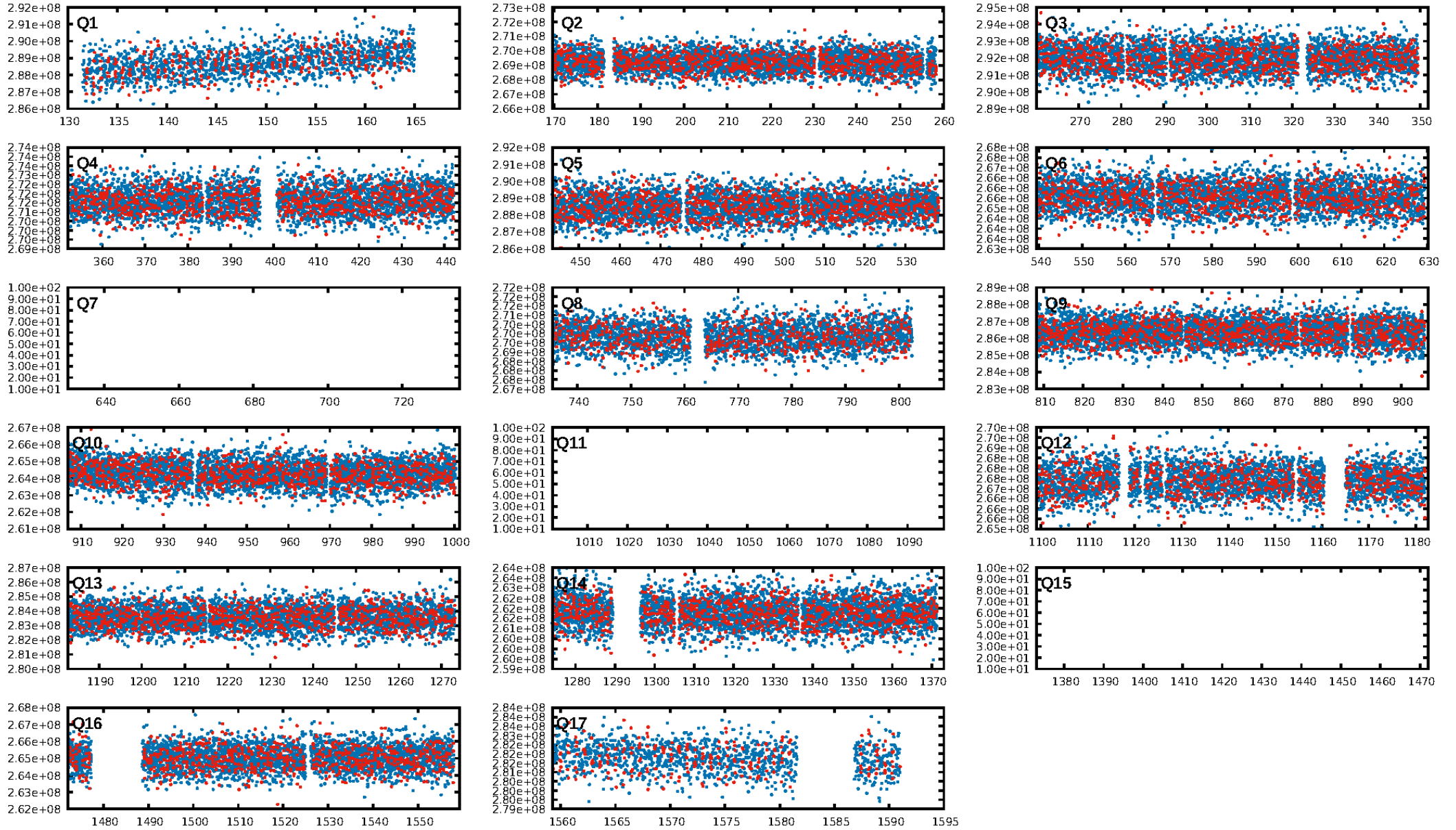
DV Diagnostic Results:

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: 0.87 [1209/1395]
GhostDiagnostic-chr: 2.039
Centroid-sig: 0.0%
Centroid-so: 0.125 arcsec [1.03σ]
OotOffset-rm: 0.120 arcsec [1.55σ]
KicOffset-rm: 0.077 arcsec [1.01σ]
OotOffset-st: 4/1/4/5 [14]
KicOffset-st: 4/1/4/5 [14]
DiffImageQuality-fgm: 1.00 [14/14]
DiffImageOverlap-fno: 0.00 [0/14]

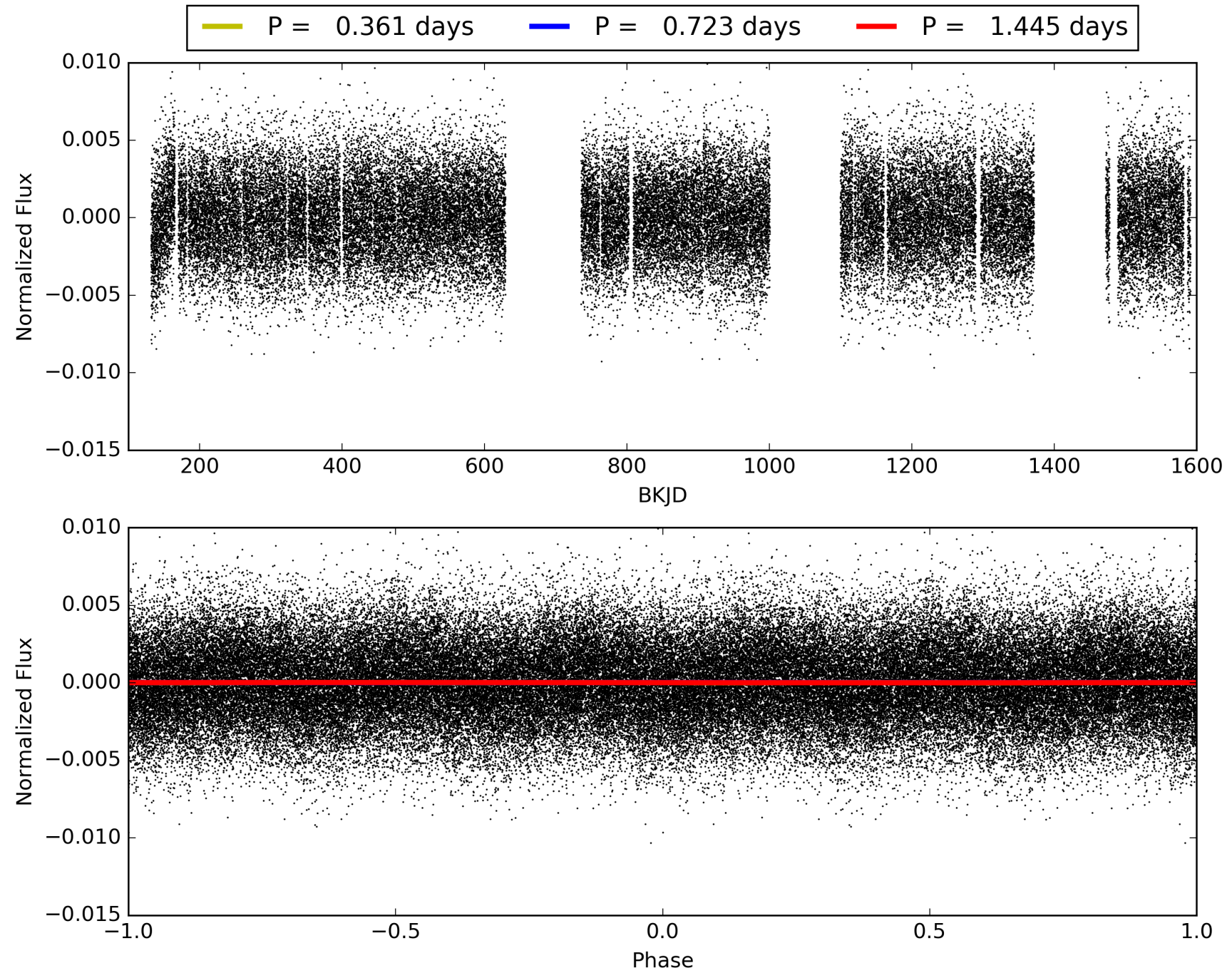
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 03:29:19 Z

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

TCE 010749793-01, PDC Light Curves

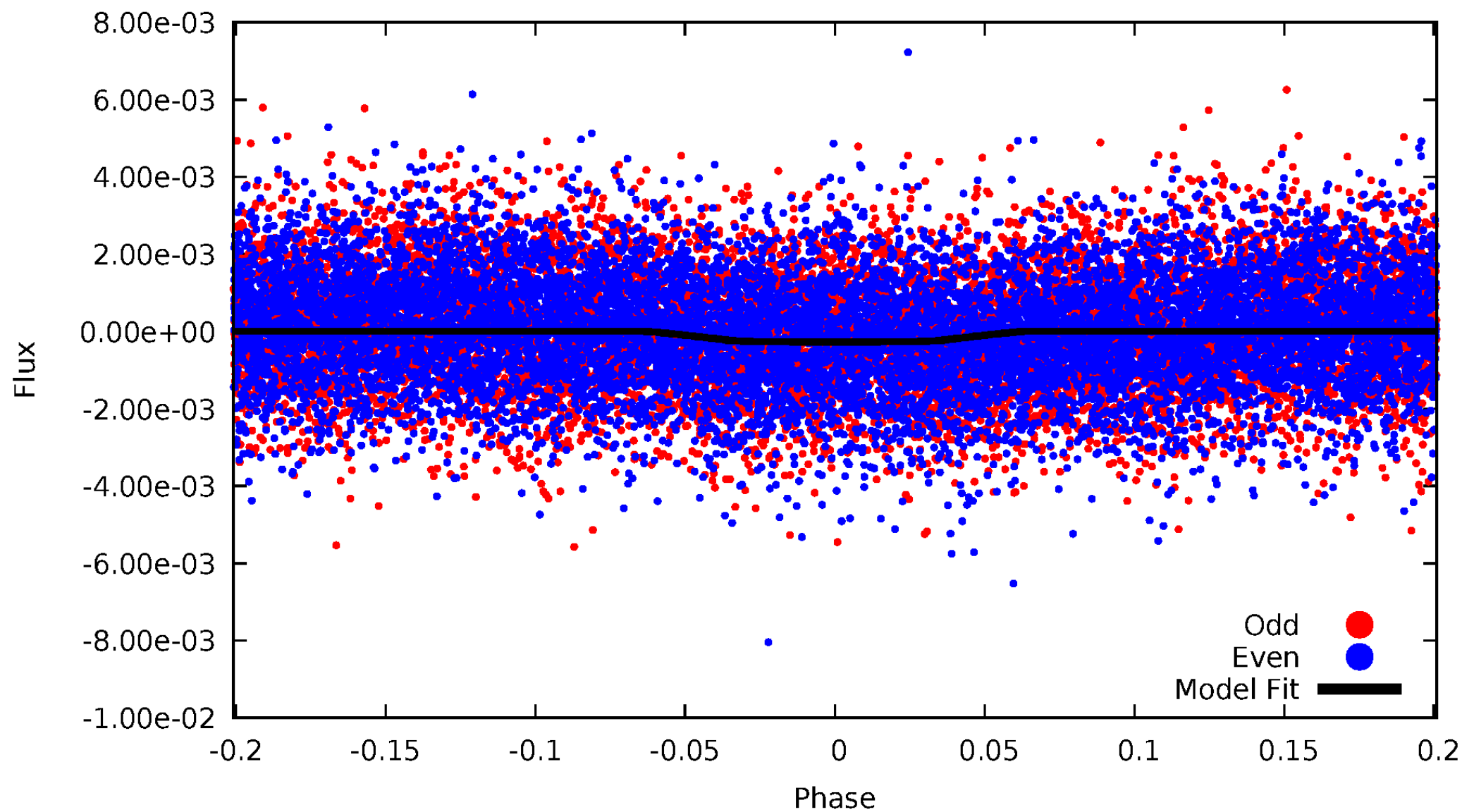


TCE 010749793-01



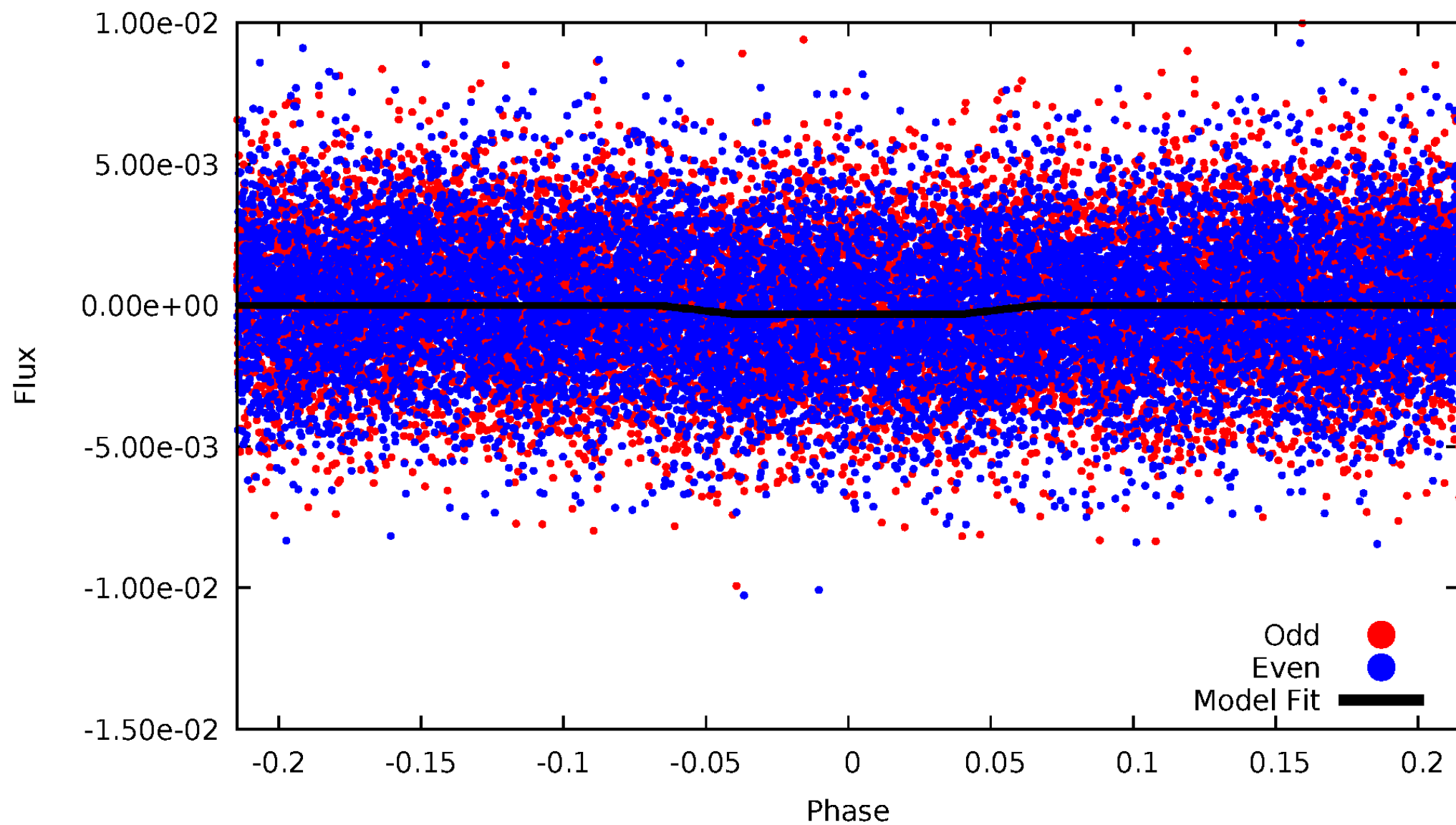
DV Odd/Even

TCE 010749793-01



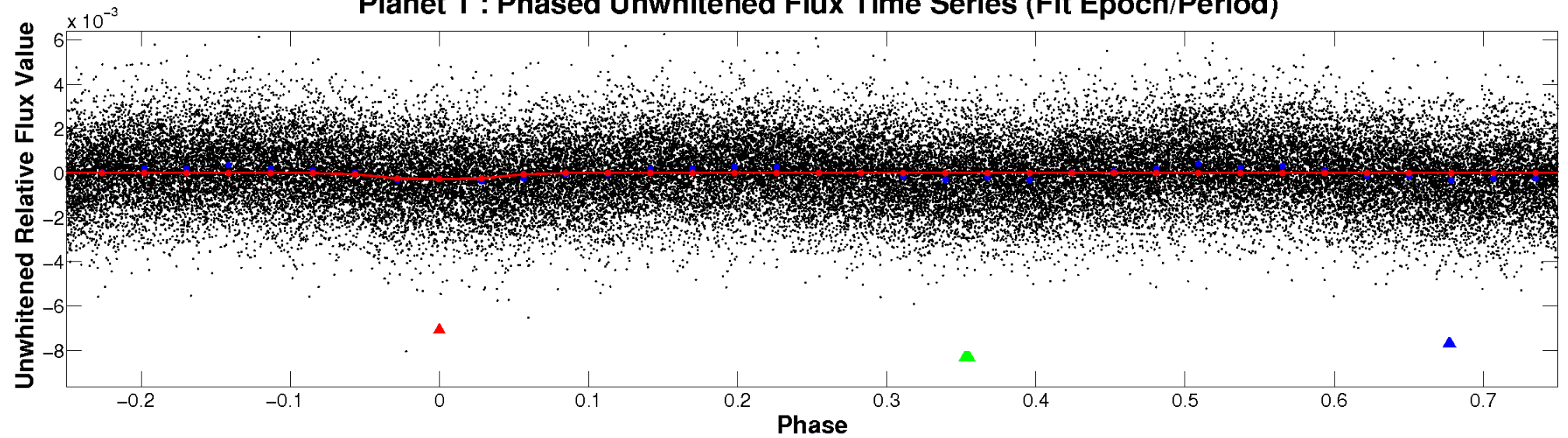
ALT Odd/Even

TCE 010749793-01

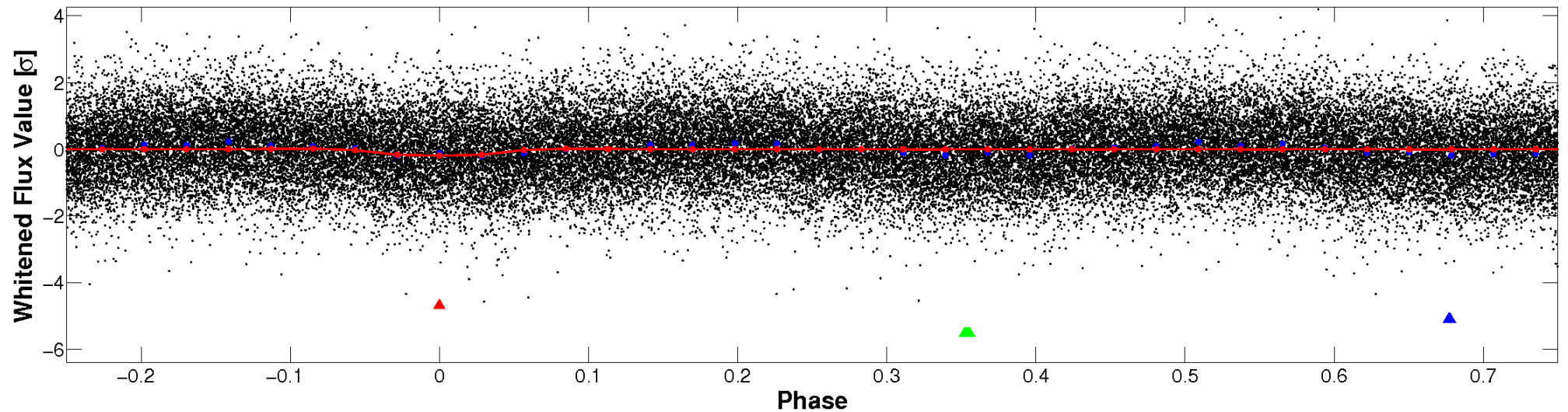


Non-Whitened Vs. Whitened Light Curve

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

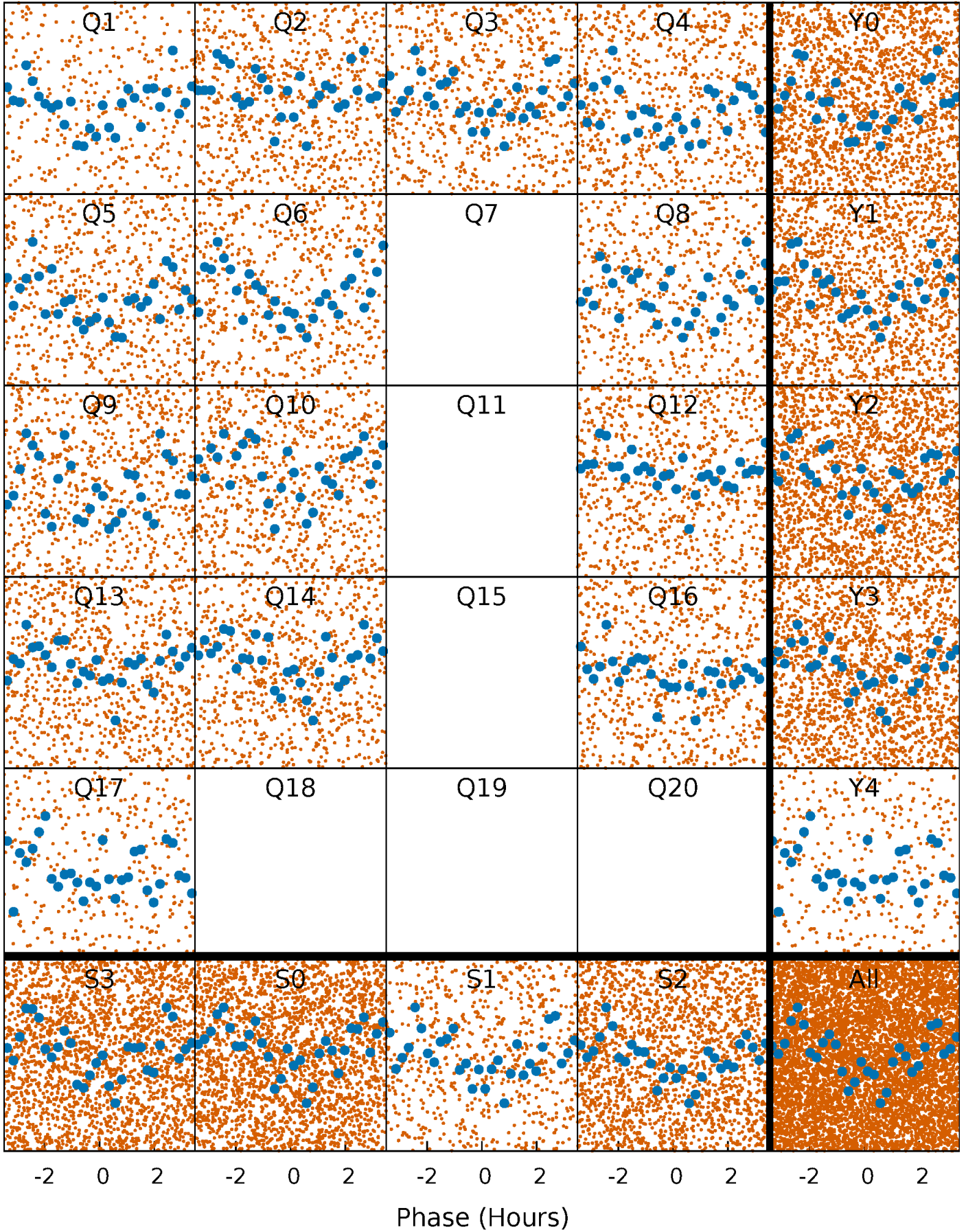


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



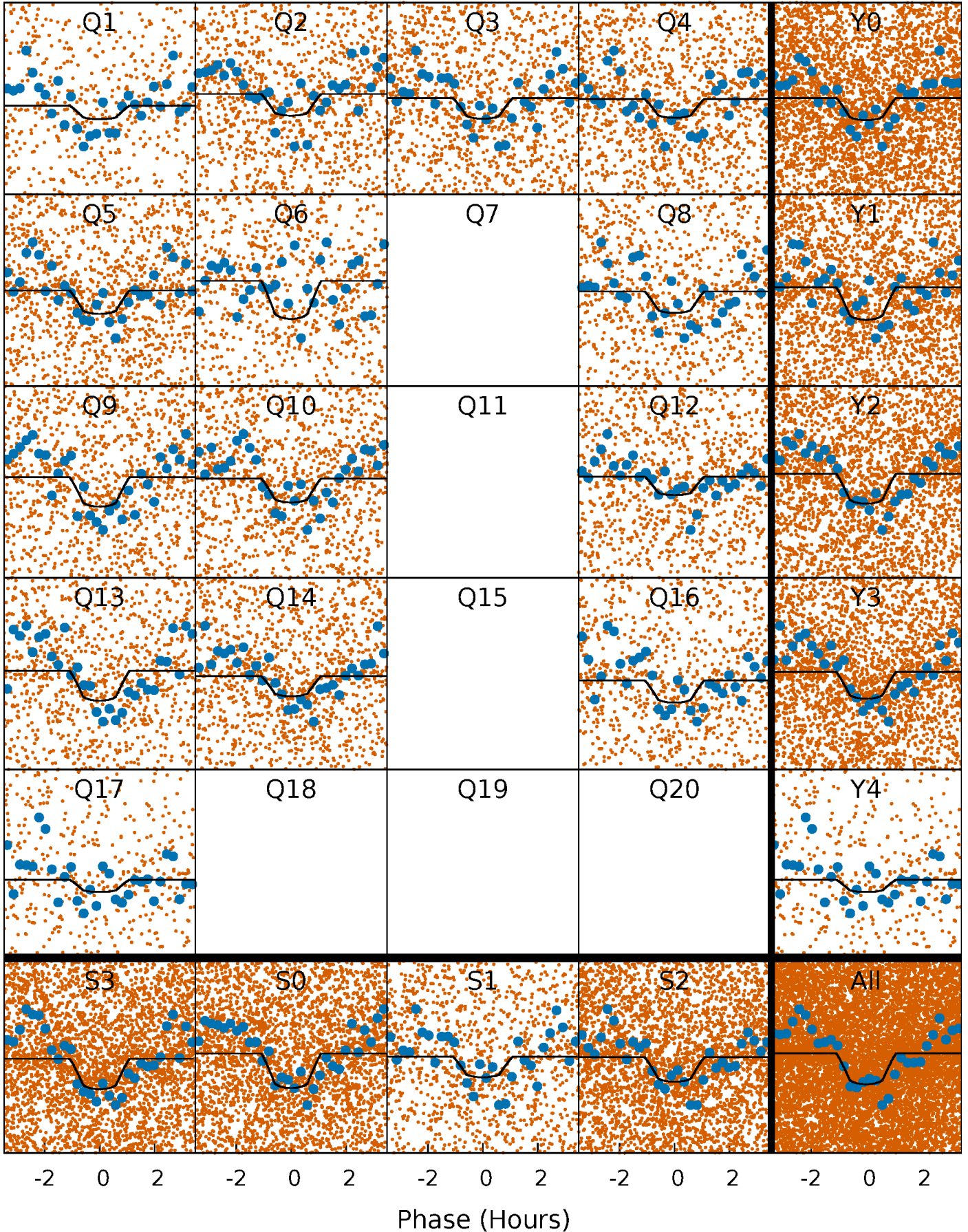
PDC Quarter-Phased Transit Curves

TCE 010749793-01 P= 0.722709 Days $T_0=131.904874$ (BKJD)



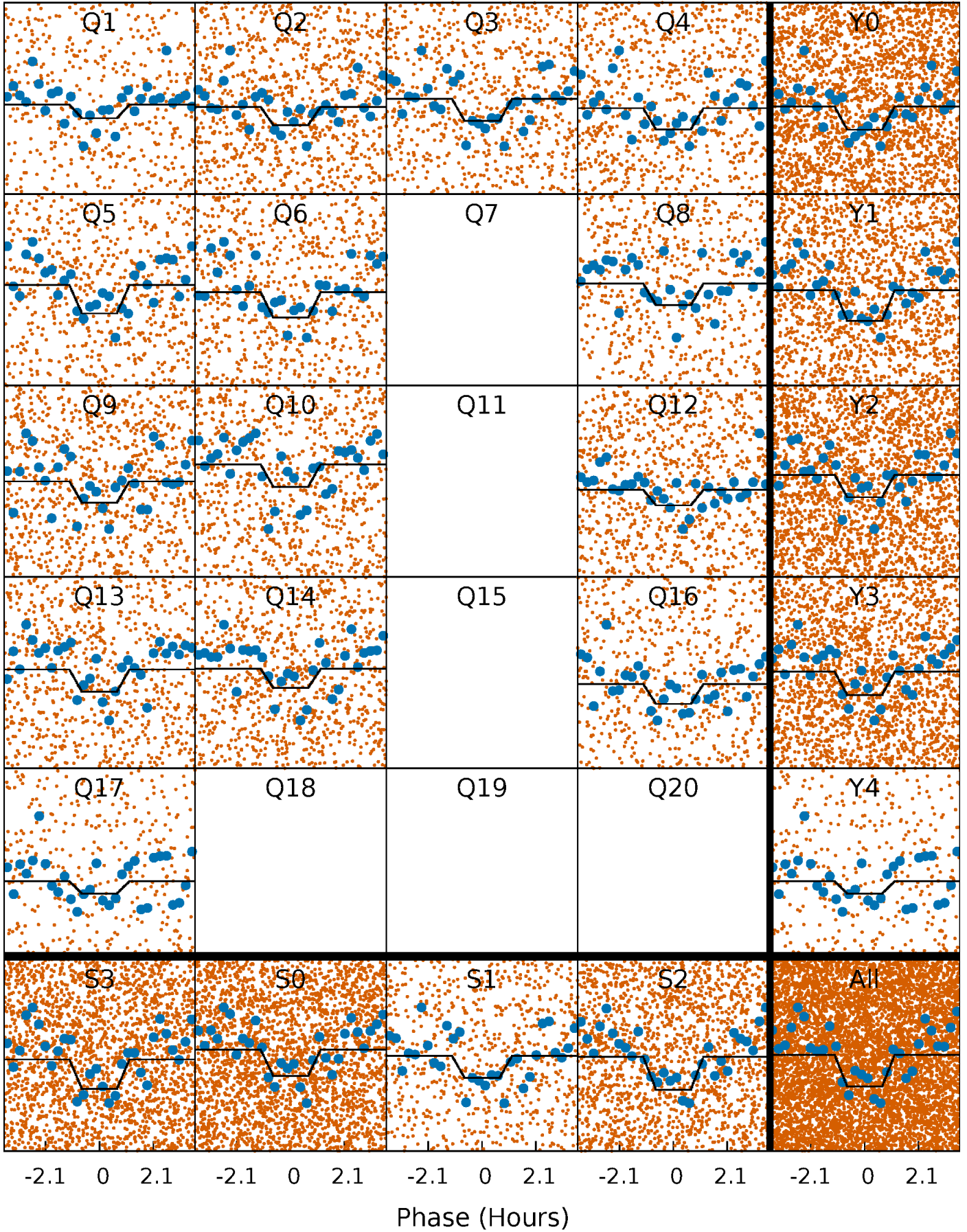
DV Quarter-Phased Transit Curves

TCE 010749793-01 P= 0.722709 Days $T_0=131.904874$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

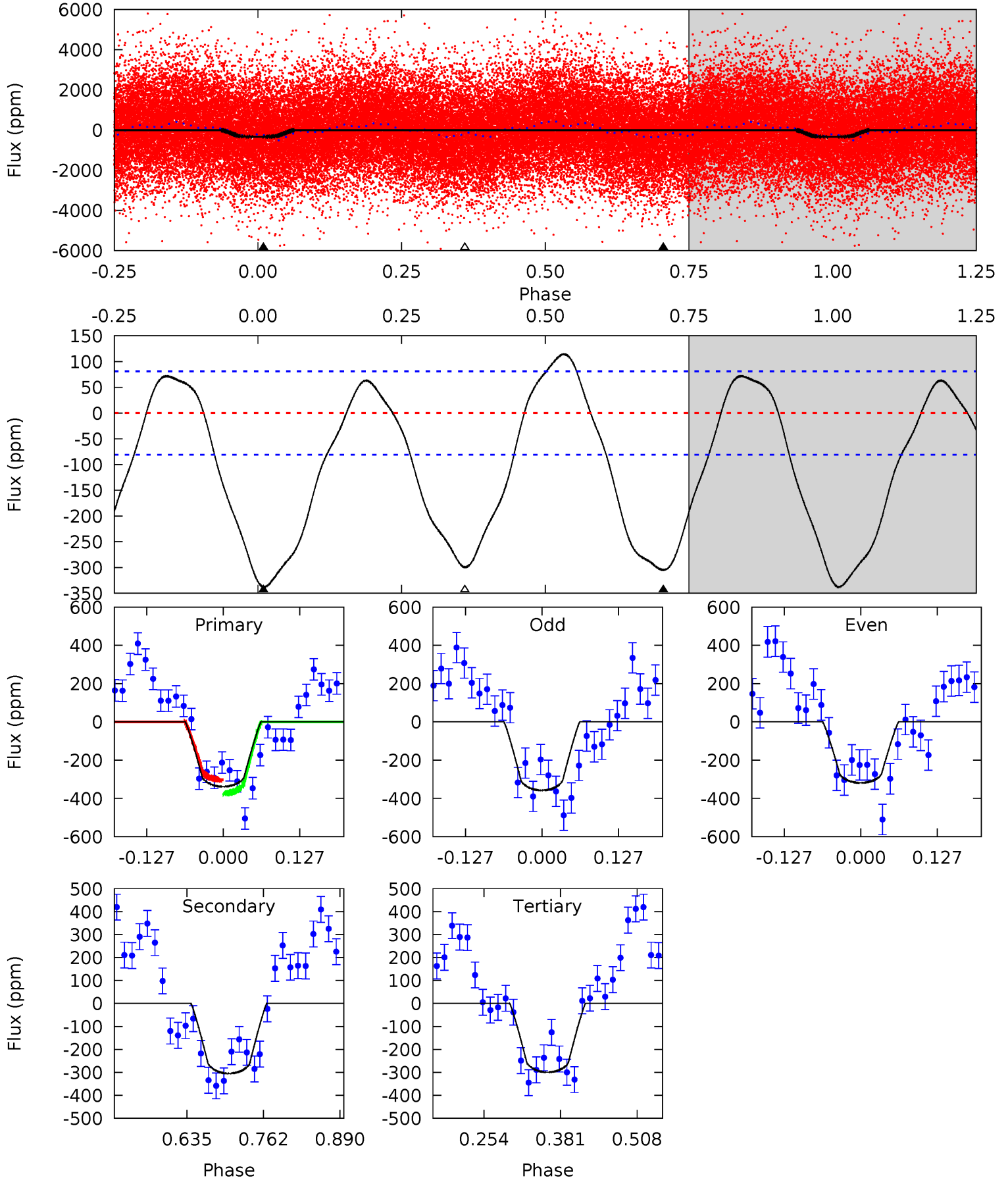
TCE 010749793-01 P= 0.722715 Days $T_0=131.902826$ (BKJD)



DV Model-Shift Uniqueness Test

010749793-01, P = 0.722709 Days, E = 131.182165 Days

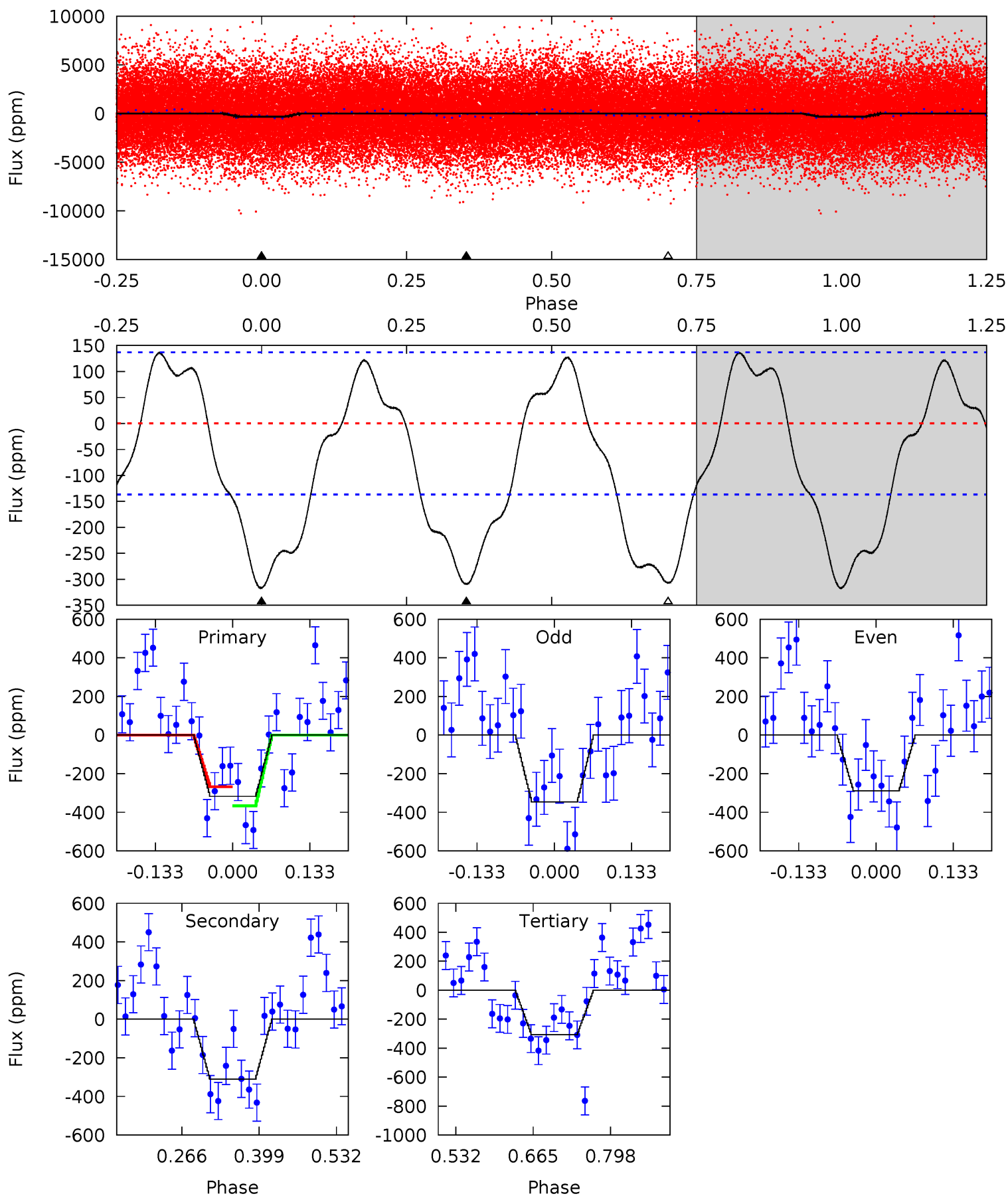
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
18.9	17.0	16.7	0	4.51	1.53	7.40	2.15	18.9	0.29	17.0	1.09	0.96	0.25	1.98



Alt Model-Shift Uniqueness Test

010749793-01, P = 0.722715 Days, E = 131.180111 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.4	10.2	10.1	0	4.50	1.50	4.88	0.32	10.4	0.07	10.2	0.95	0.91	0.30	1.62



Stellar Parameters For KIC 010749793

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7848^{+218}_{-327}	$3.776^{+0.368}_{-0.115}$	$0.070^{+0.200}_{-0.350}$	$3.148^{+0.699}_{-1.298}$	$2.156^{+0.309}_{-0.574}$	$0.097^{+0.271}_{-0.034}$
	+3%/-4%	+10%/-3%	+286%/-500%	+22%/-41%	+14%/-27%	+279%/-35%
Source	KIC0	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 010749793-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-305 ± 18	$5.29^{+3.63}_{-2.99}$	5840^{+474}_{-620}	7608^{+6634}_{-2030}	$2.493^{+10.419}_{-1.612}$
Alt.	-310 ± 30	$5.70^{+3.69}_{-3.12}$	5801^{+466}_{-597}	7286^{+5712}_{-1962}	$2.150^{+8.377}_{-1.354}$

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 $A_{obs} \gg 1.0$

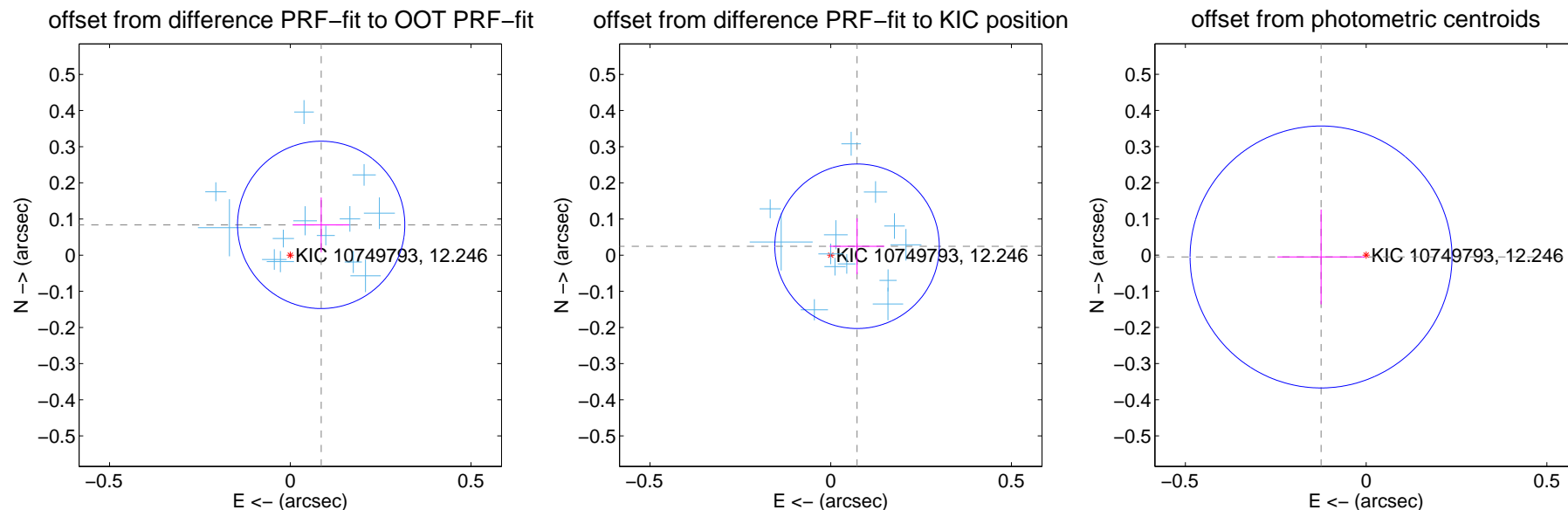
DV Centroid Data

Supplemental centroid analysis for 010749793-01. Kepler magnitude: 12.25. Transit SNR 11.69

There are 14 quarters with good PRF difference image offsets

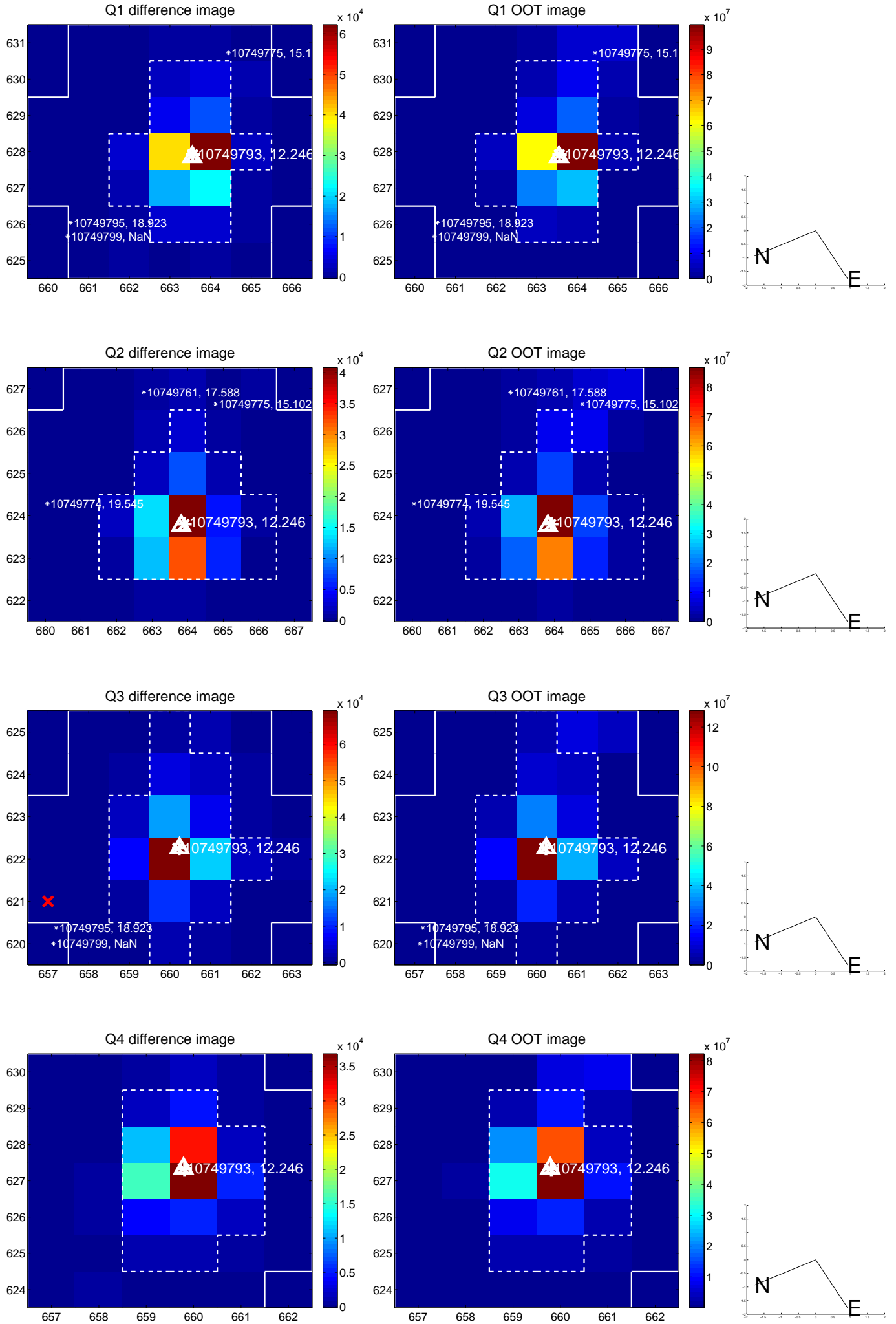
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.120 ± 0.077	1.55	-0.086 ± 0.078	0.084 ± 0.076
PRF-fit source offset from KIC position	0.077 ± 0.076	1.01	-0.073 ± 0.076	0.025 ± 0.077
photometric centroid source offset	0.12 ± 0.12	1.03	0.12 ± 0.12	-0.01 ± 0.13

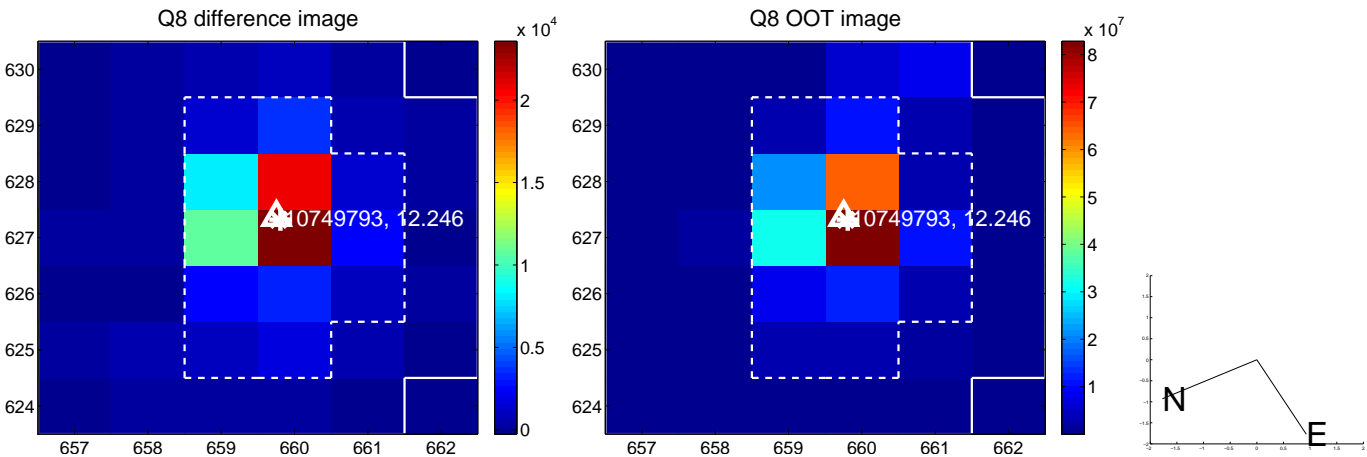
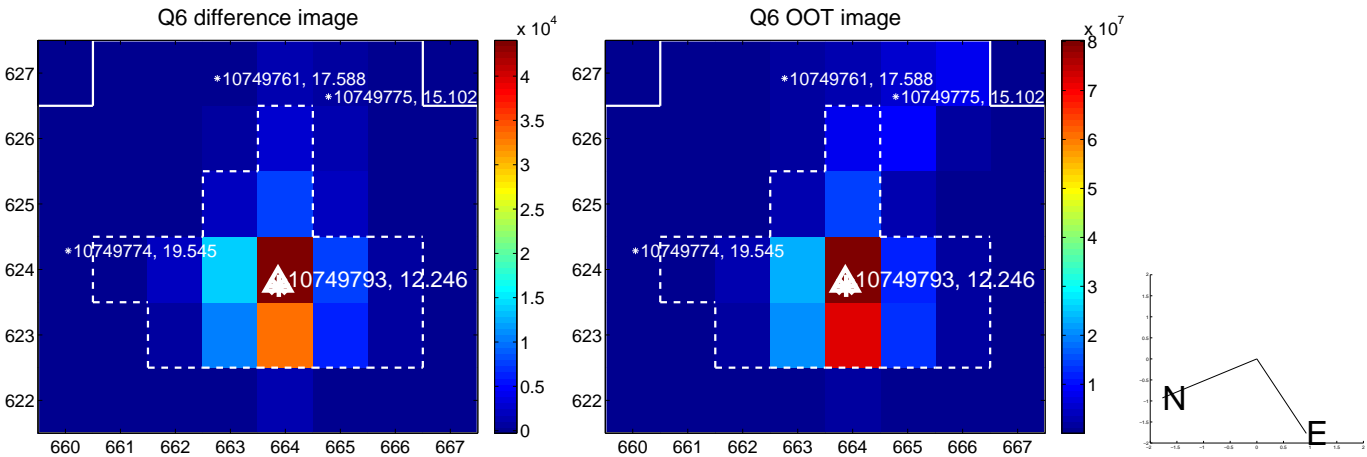
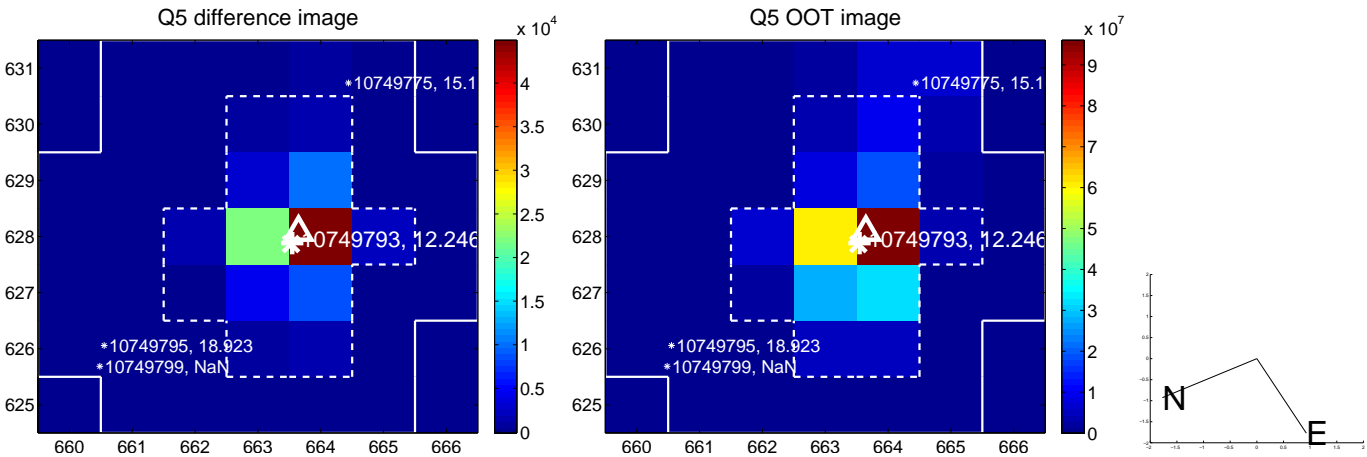


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

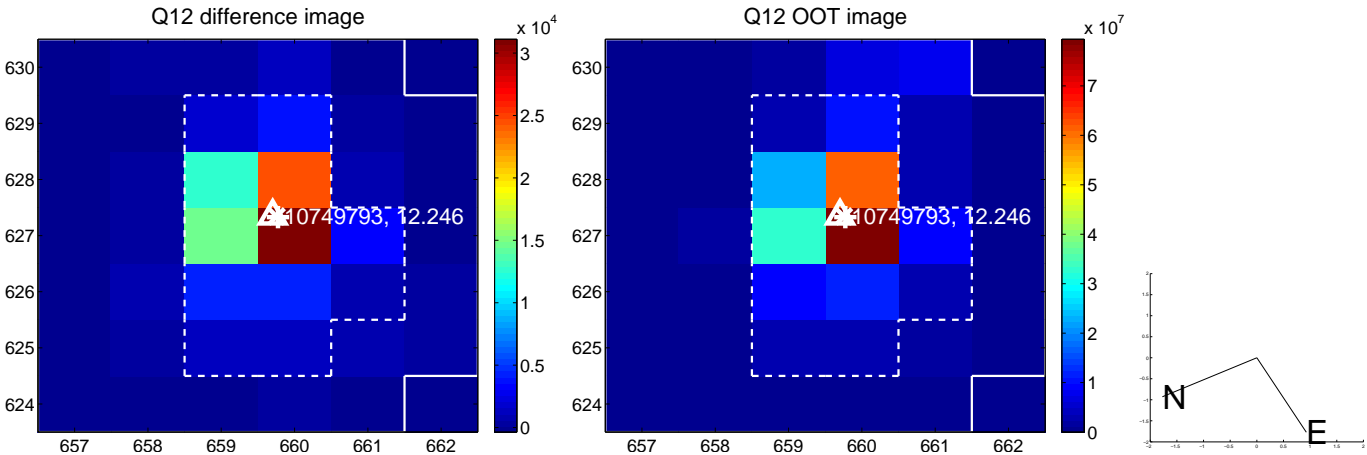
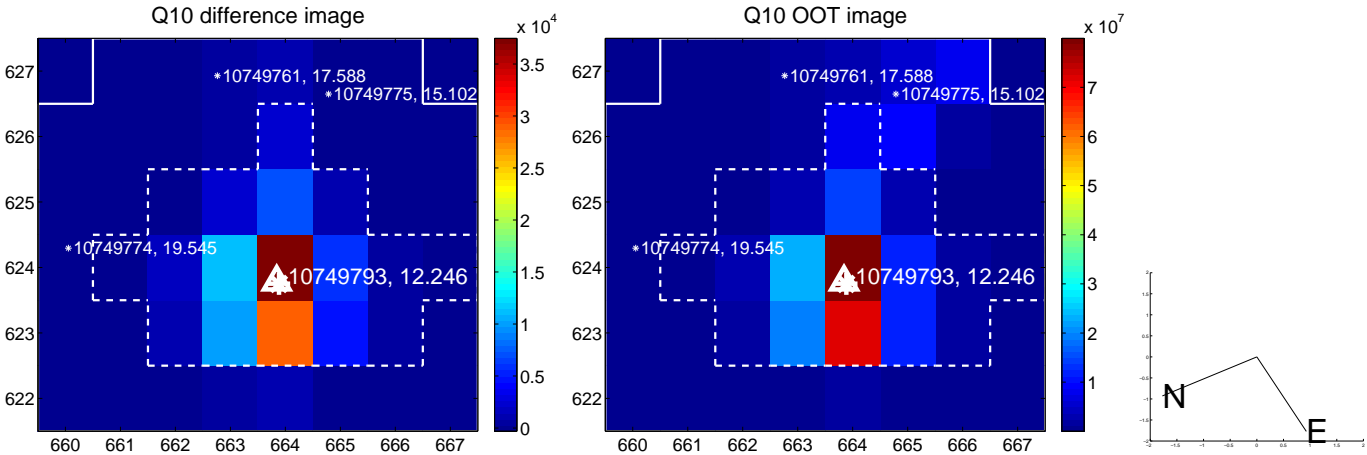
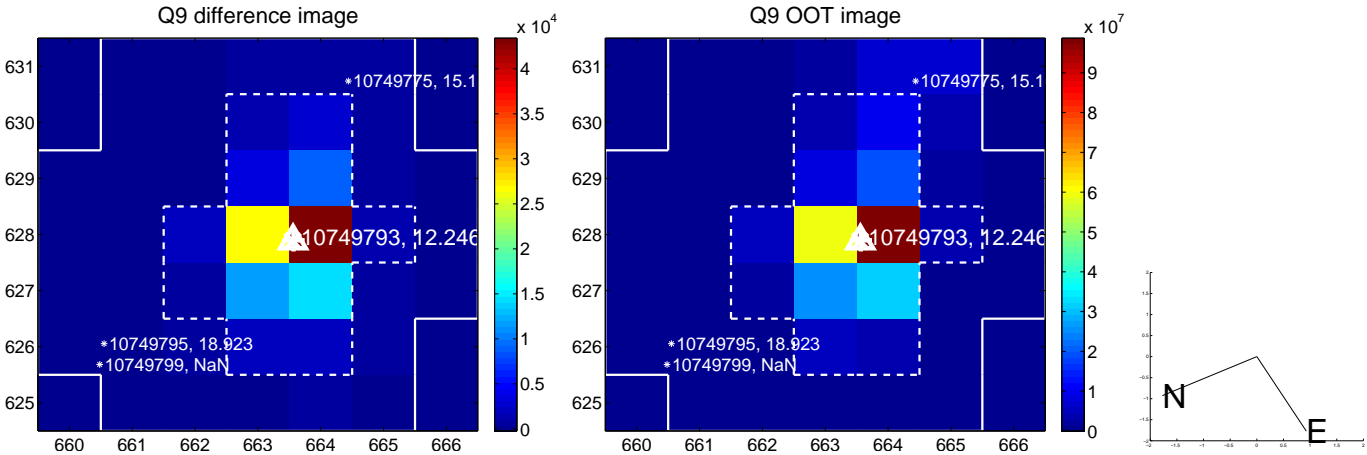
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



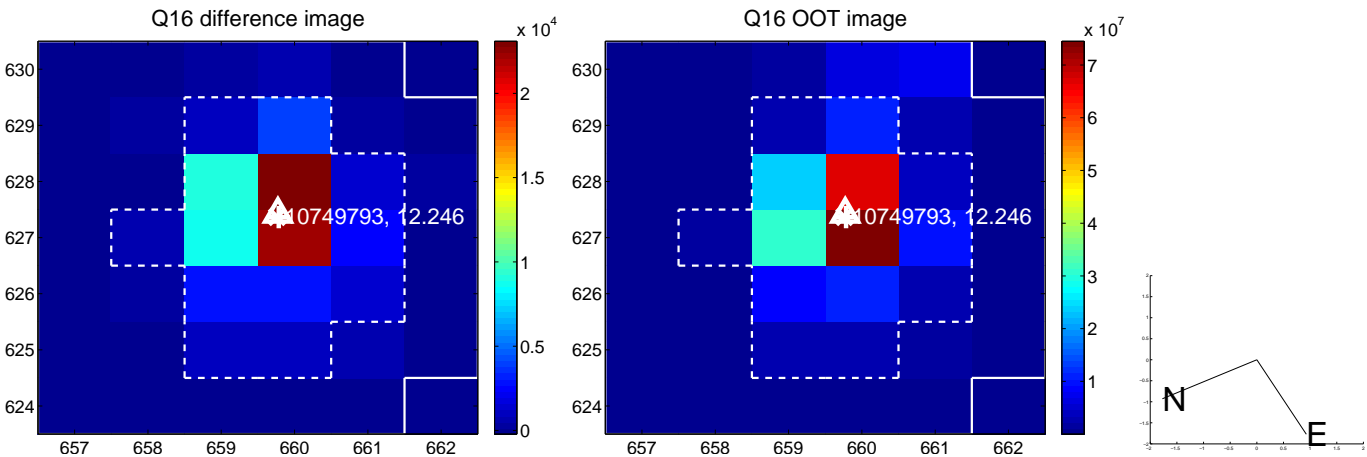
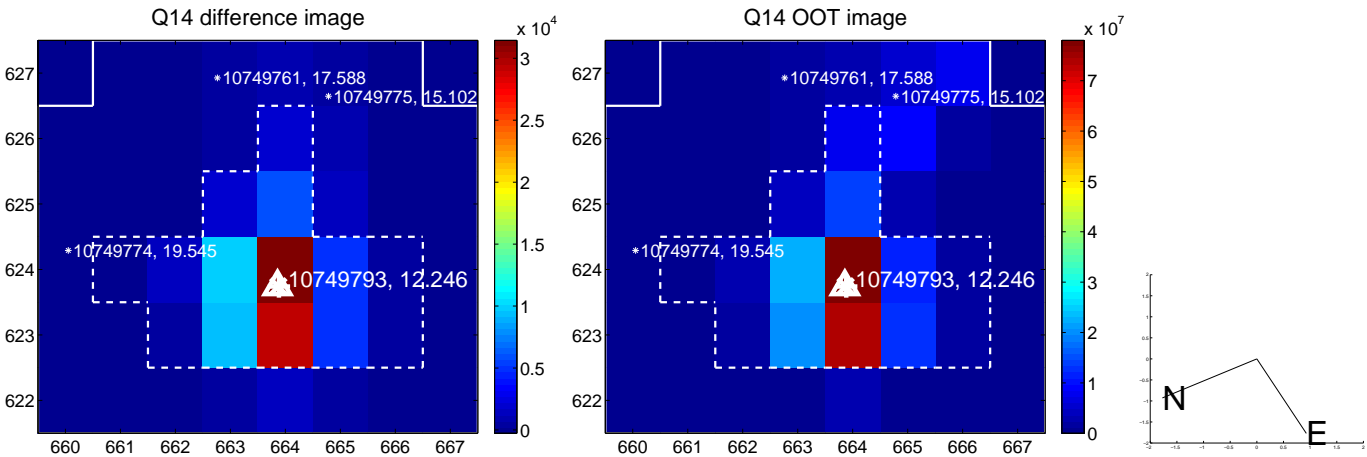
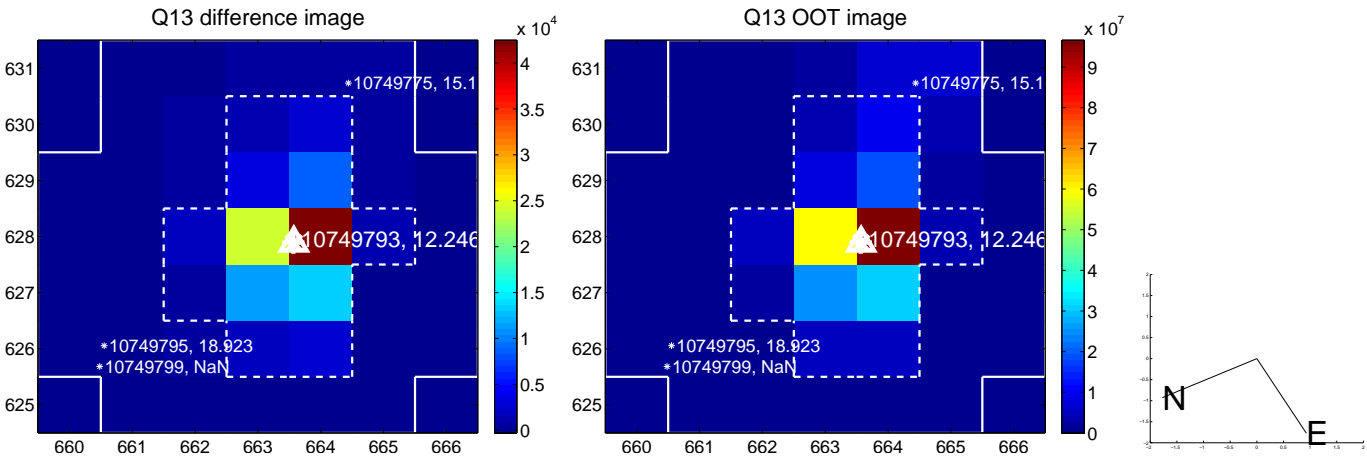
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



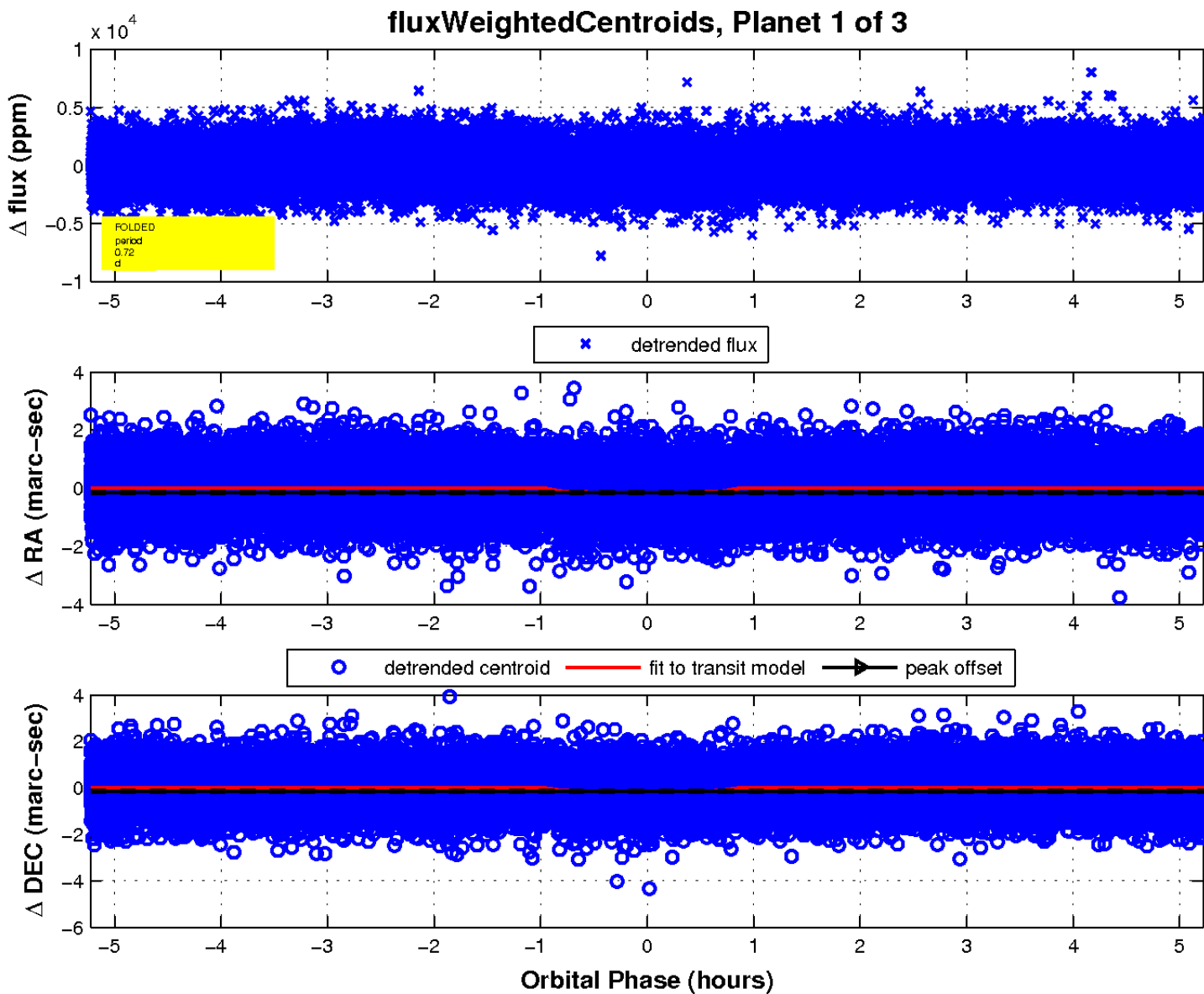
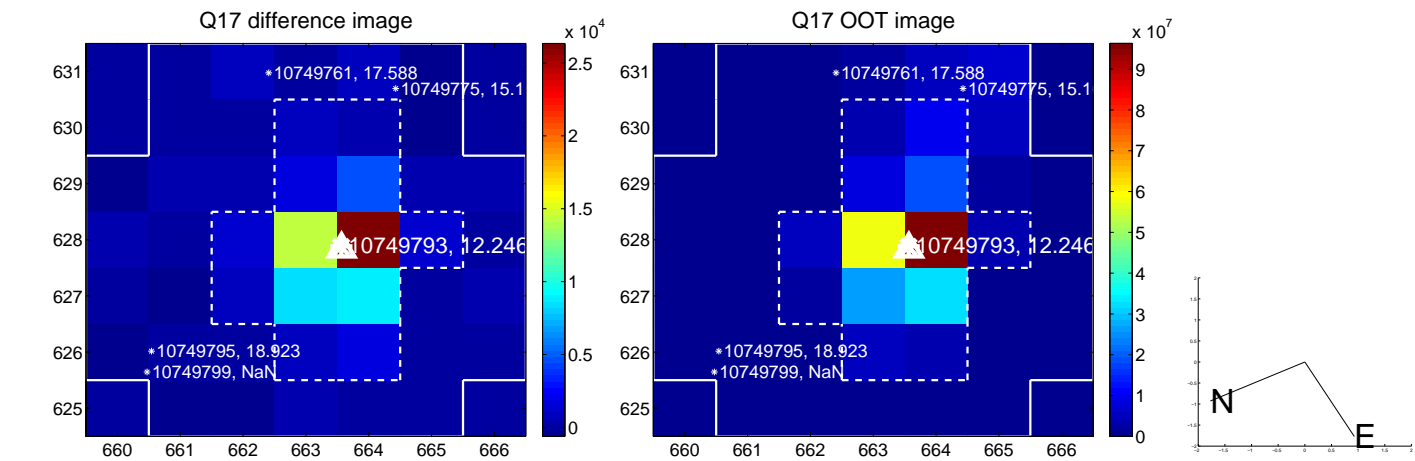
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

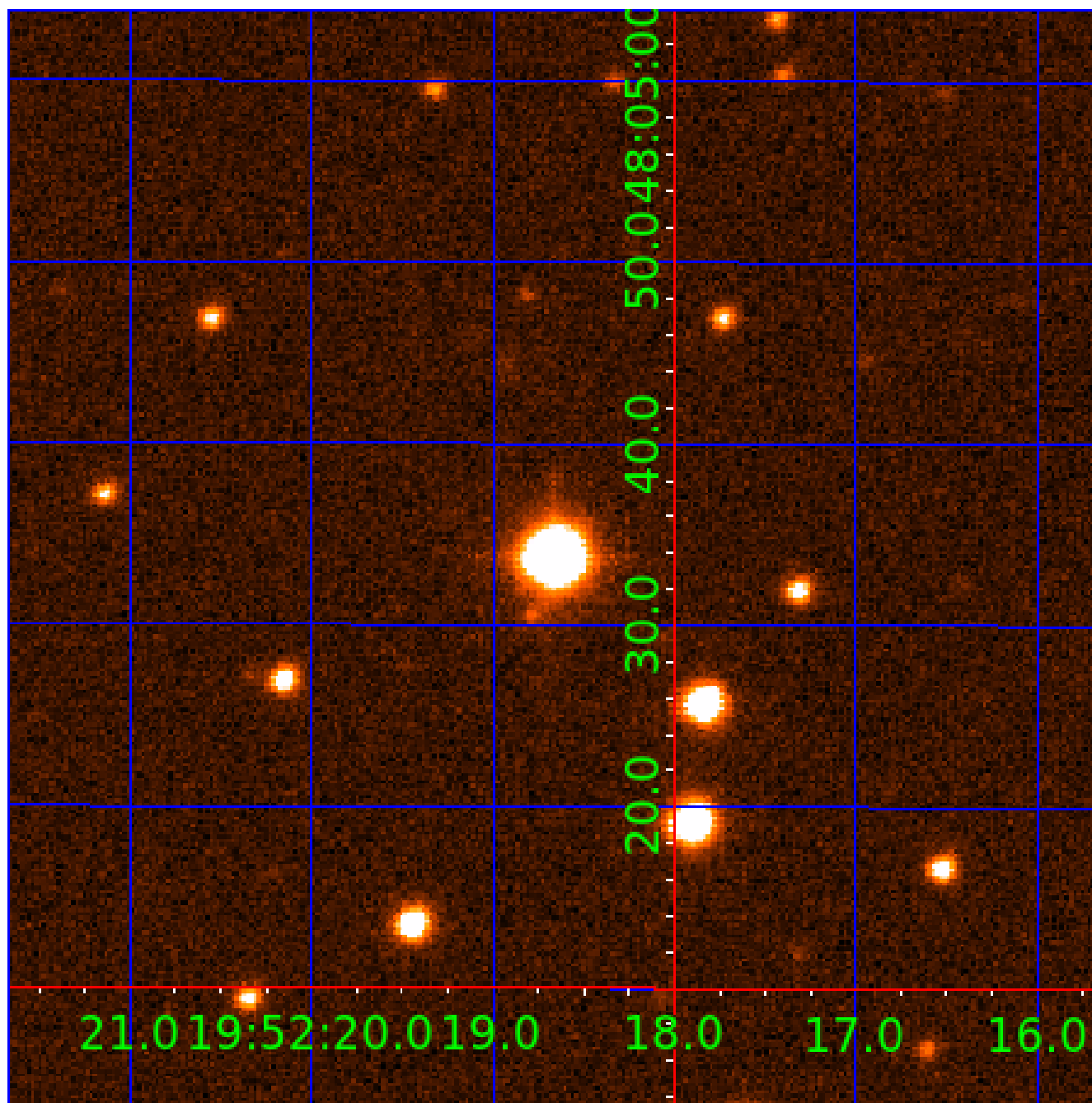


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 010749793

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})
010749793-01	OBS	No	0.722709	131.904874	278.8	1.741	10.5	11.7	3.15	7848	5.63	81158.82
010749793-02	OBS	No	0.722709	131.671278	224.3	2.784	10.4	11.4	3.15	7848	5.49	81158.76
010749793-03	OBS	No	0.722707	132.161879	227.3	2.164	9.7	11.9	3.15	7848	4.92	81159.01

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
010749793-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
010749793-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD
010749793-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD

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

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

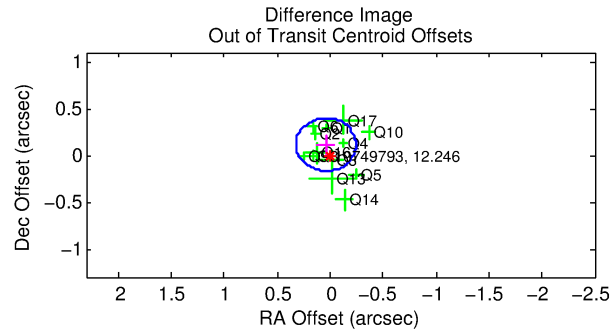
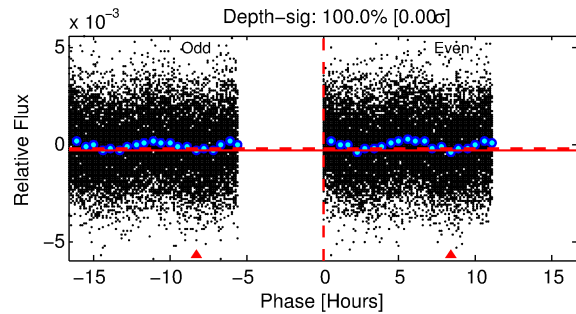
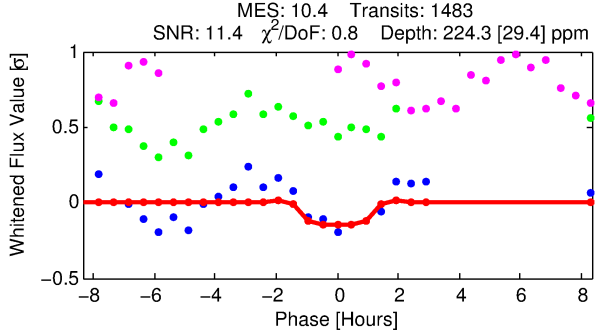
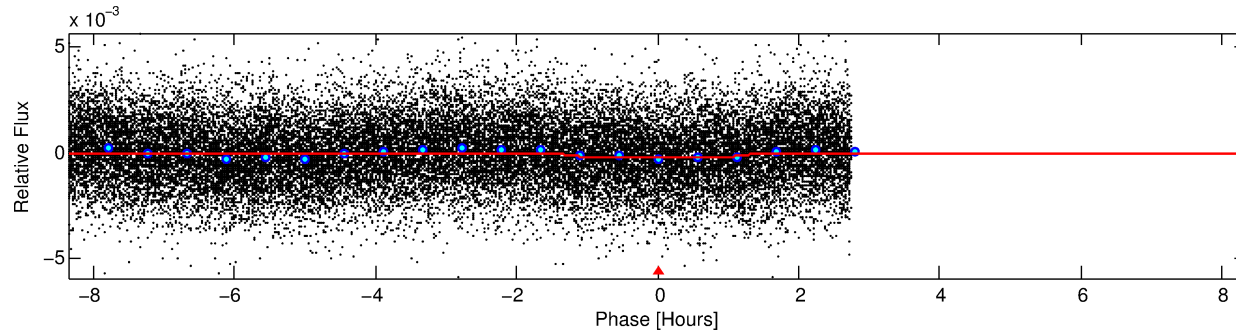
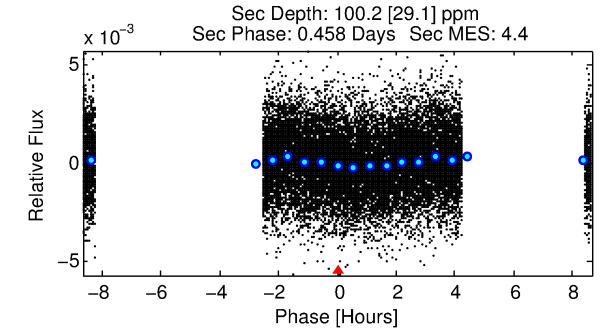
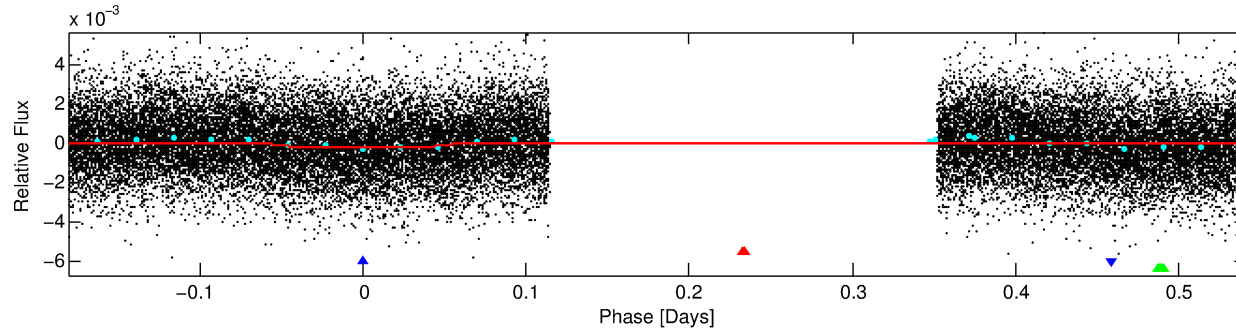
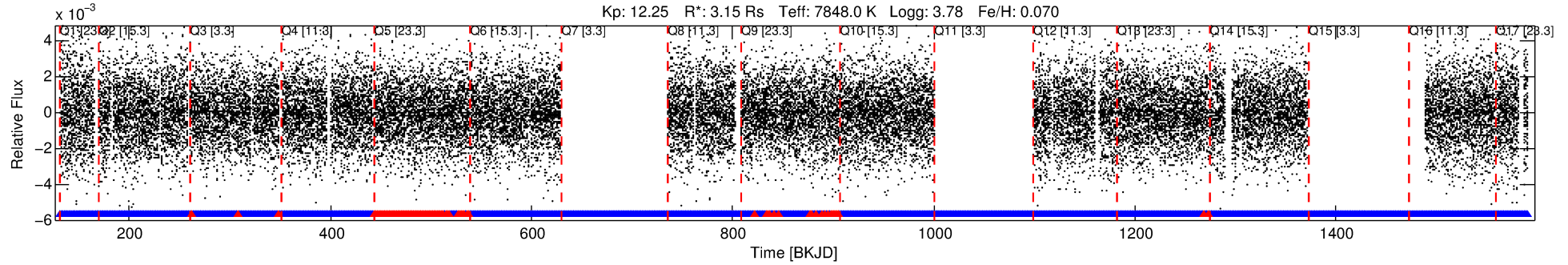
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 010749793-02

No Significant Match Found

DV One-Page Summary

KIC: 10749793 Candidate: 2 of 3 Period: 0.723 d



DV Fit Results:

Period = 0.72271 [0.00001] d
Epoch = 131.6713 [0.0031] BKJD
Rp/R* = 0.0160 [0.0059]
a/R* = 1.33 [1.27]
b = 0.90 [0.47]
Seff = 81158.76 [52750.18]
Teq = 4304 [699] K
Rp = 5.49 [3.04] Re
a = 0.0204 [0.0080] AU
Ag = 0.76 [0.77] [-0.31σ]
Teffp = 6211 [1257] K [1.33σ]

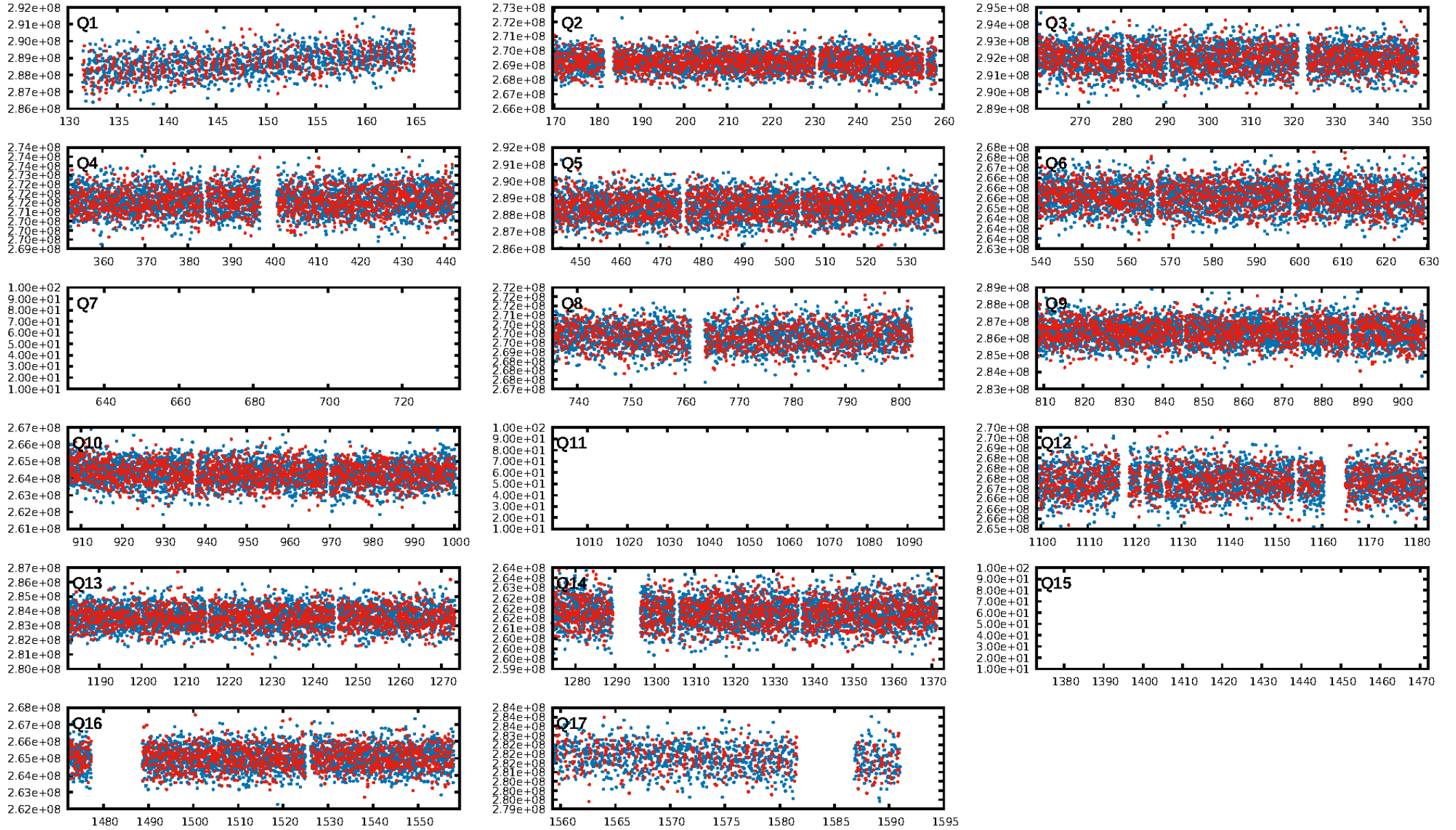
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.91 [1278/1399]
GhostDiagnostic-chr: 1.18
Centroid-sig: 0.0%
Centroid-so: 0.182 arcsec [1.41σ]
OotOffset-rm: 0.121 arcsec [1.29σ]
KicOffset-rm: 0.066 arcsec [0.69σ]
OotOffset-st: 4/1/3/5 [13]
KicOffset-st: 4/1/3/5 [13]
DiffImageQuality-fgm: 1.00 [13/13]
DiffImageOverlap-fno: 0.00 [0/14]

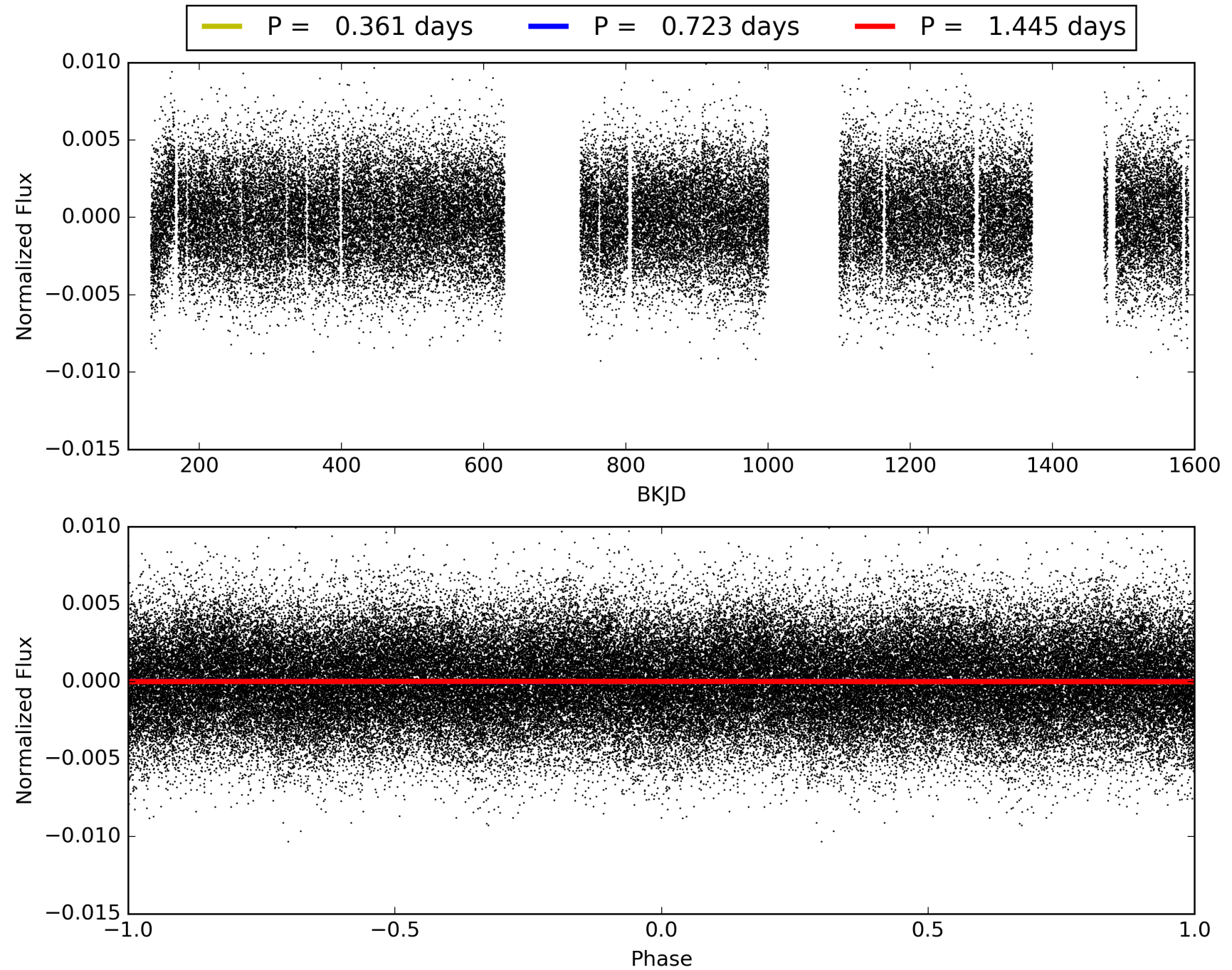
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 03:29:30 Z

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

TCE 010749793-02, PDC Light Curves

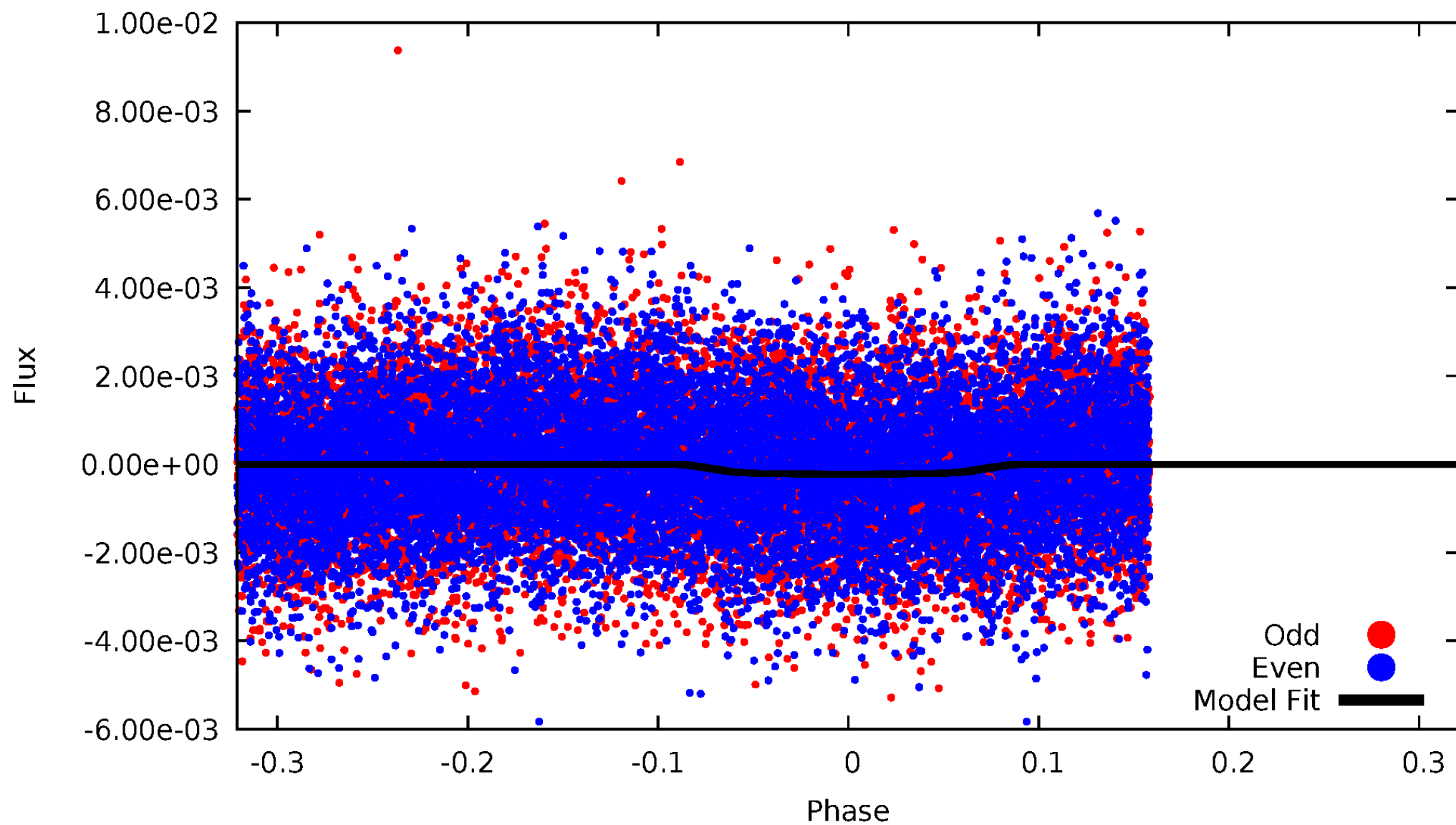


TCE 010749793-02



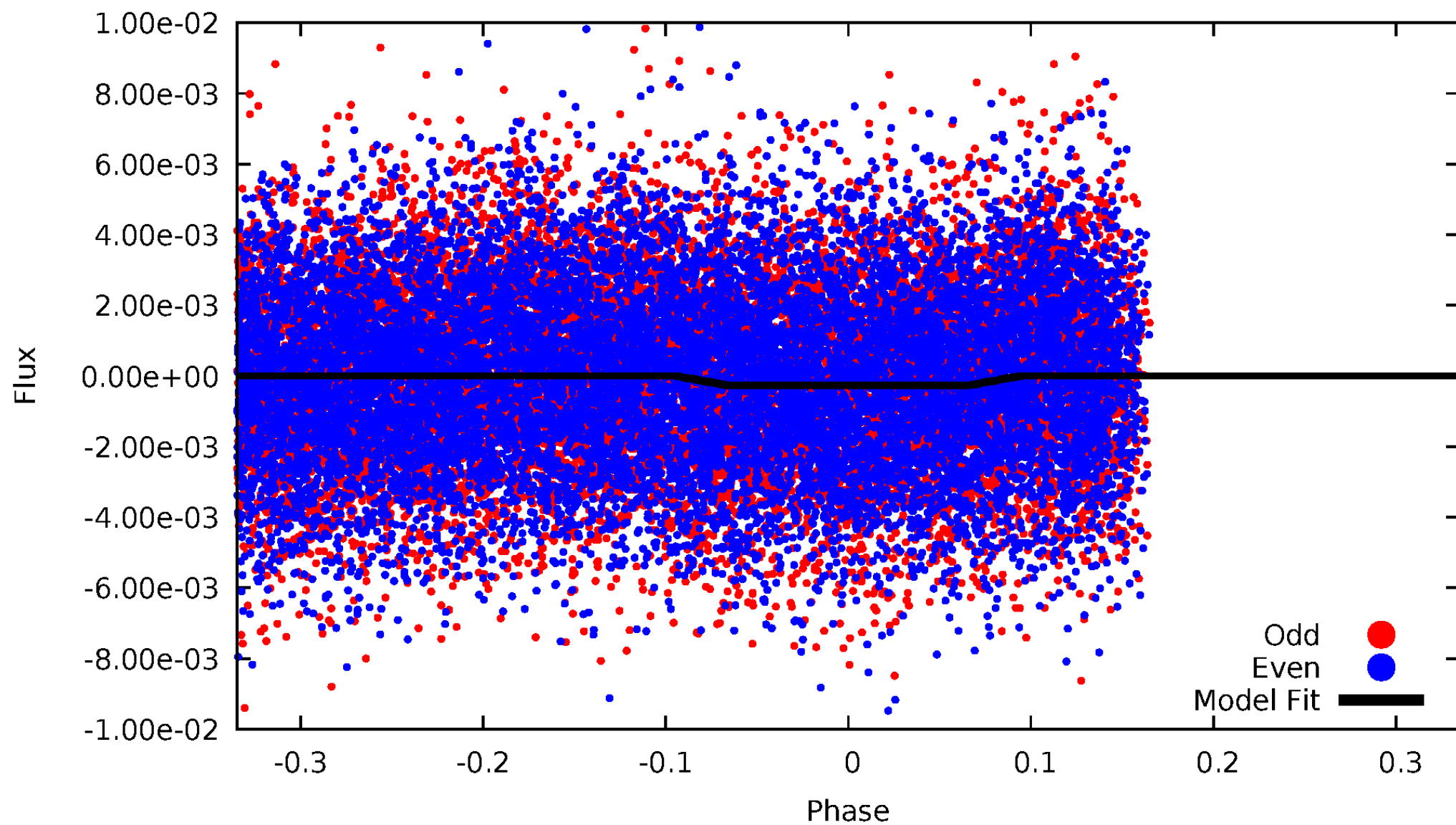
DV Odd/Even

TCE 010749793-02



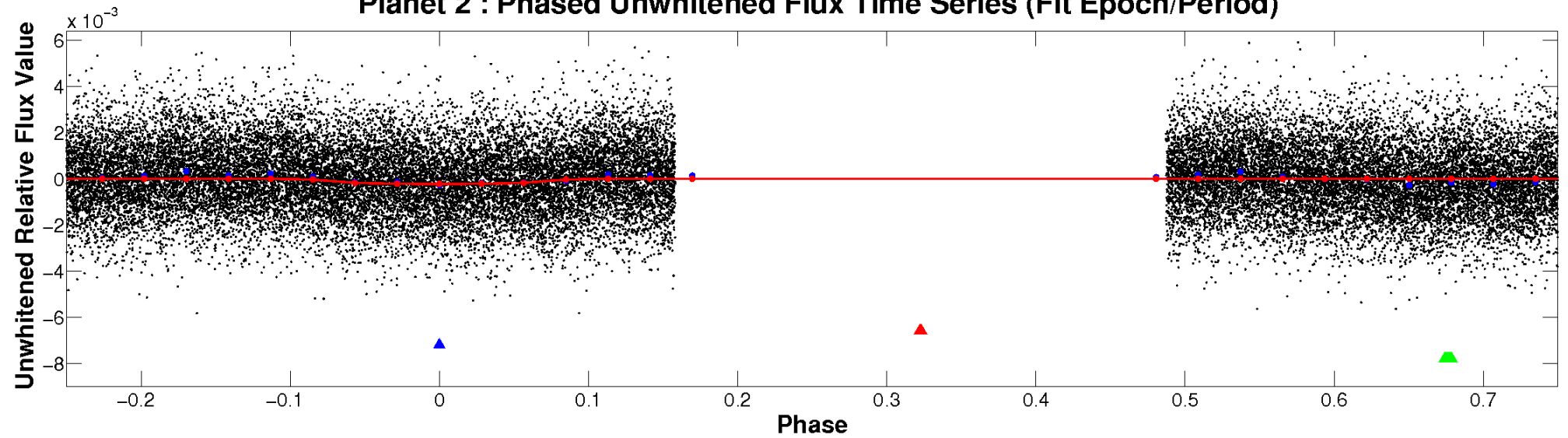
ALT Odd/Even

TCE 010749793-02

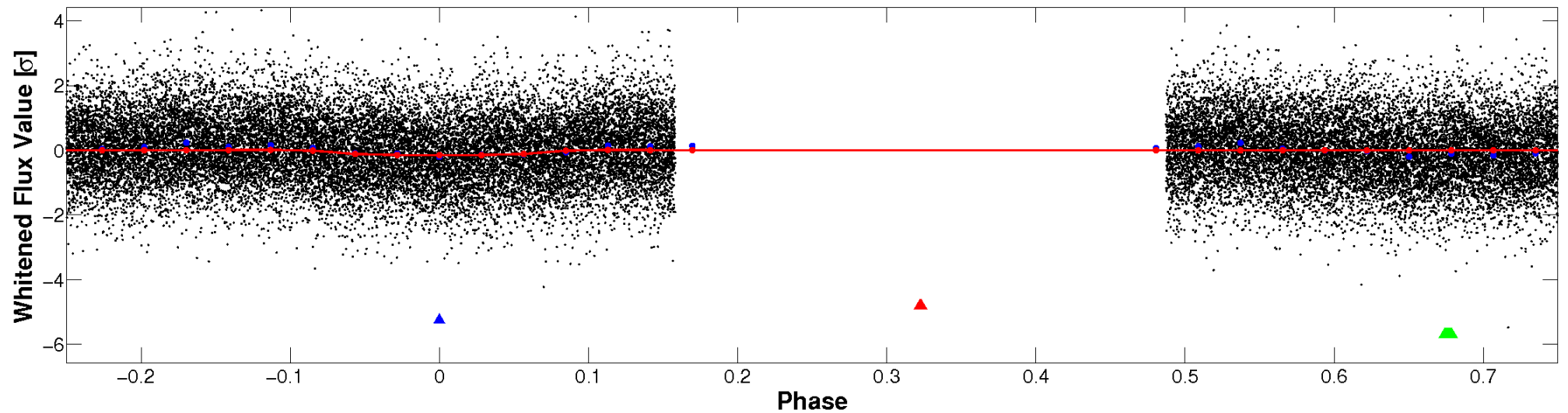


Non-Whitened Vs. Whitened Light Curve

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

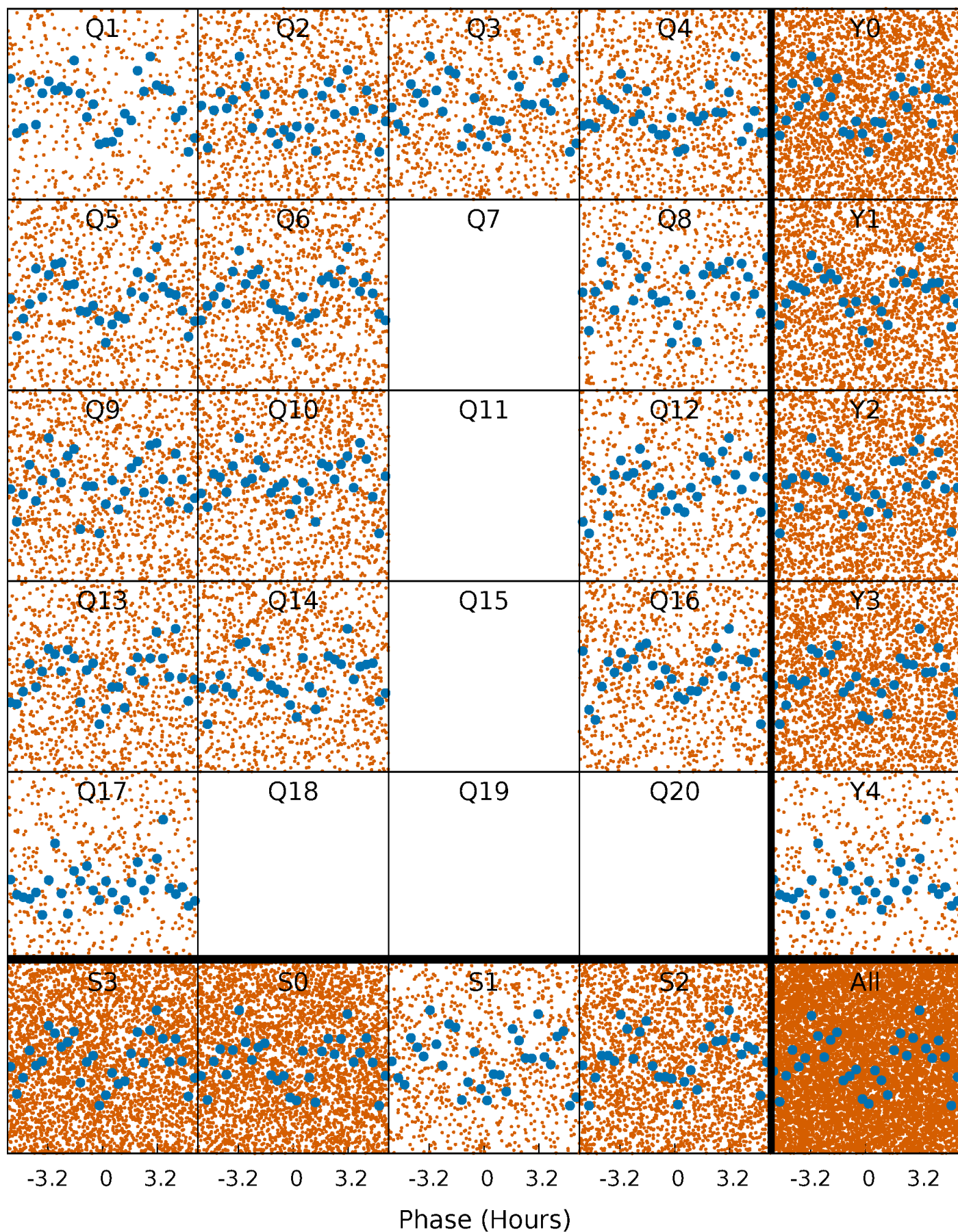


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



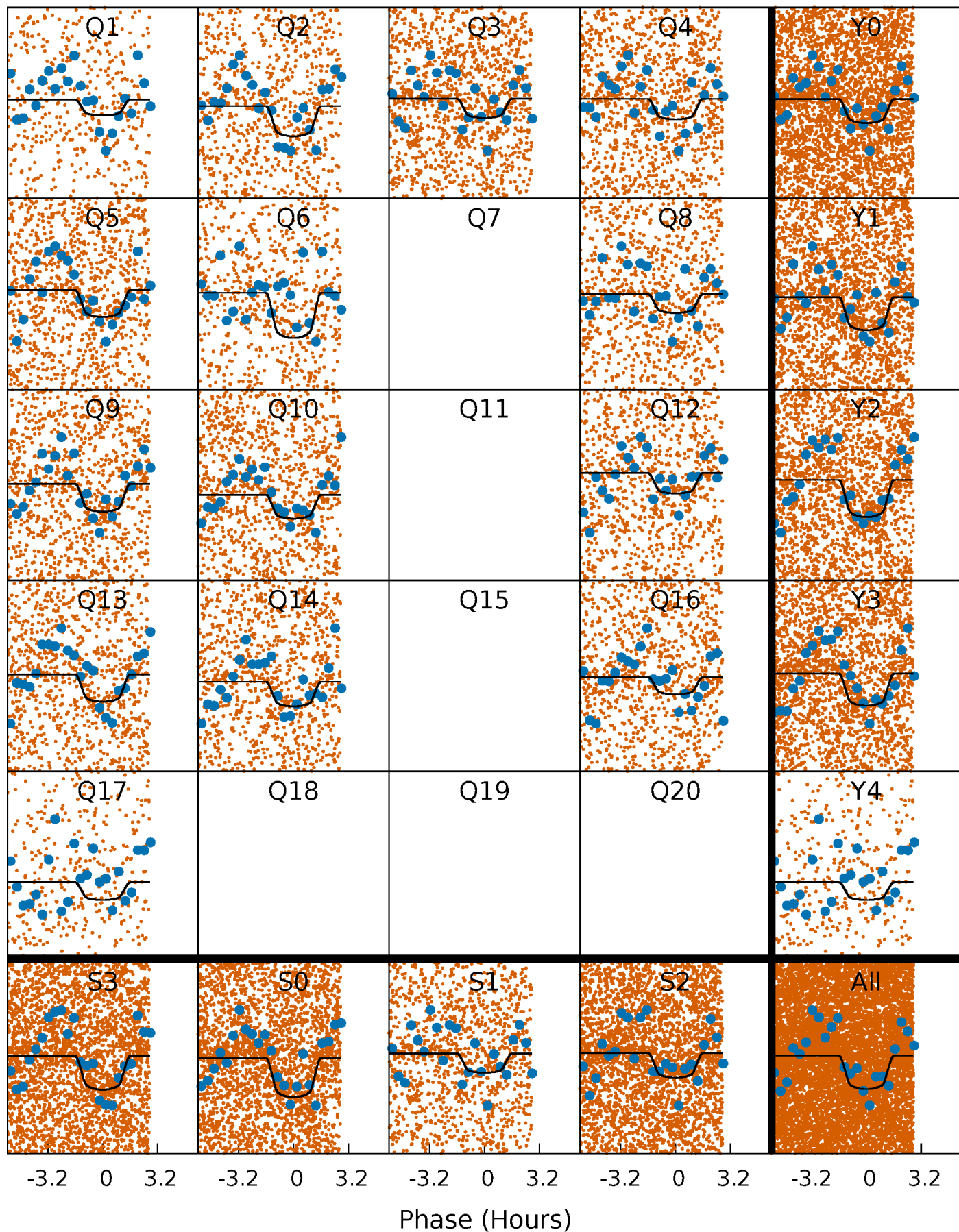
PDC Quarter-Phased Transit Curves

TCE 010749793-02 P= 0.722709 Days $T_0=131.671278$ (BKJD)



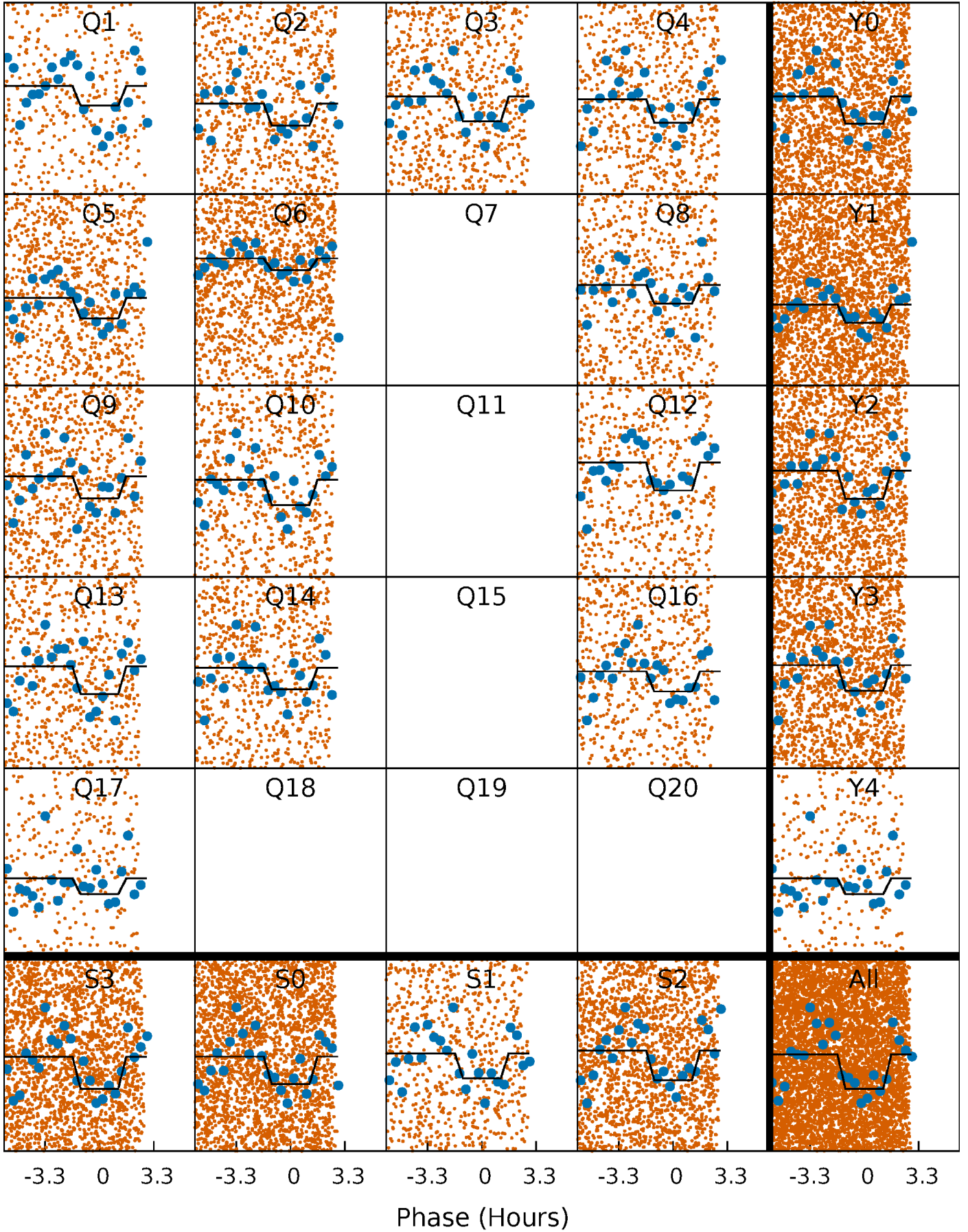
DV Quarter-Phased Transit Curves

TCE 010749793-02 P= 0.722709 Days $T_0=131.671278$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

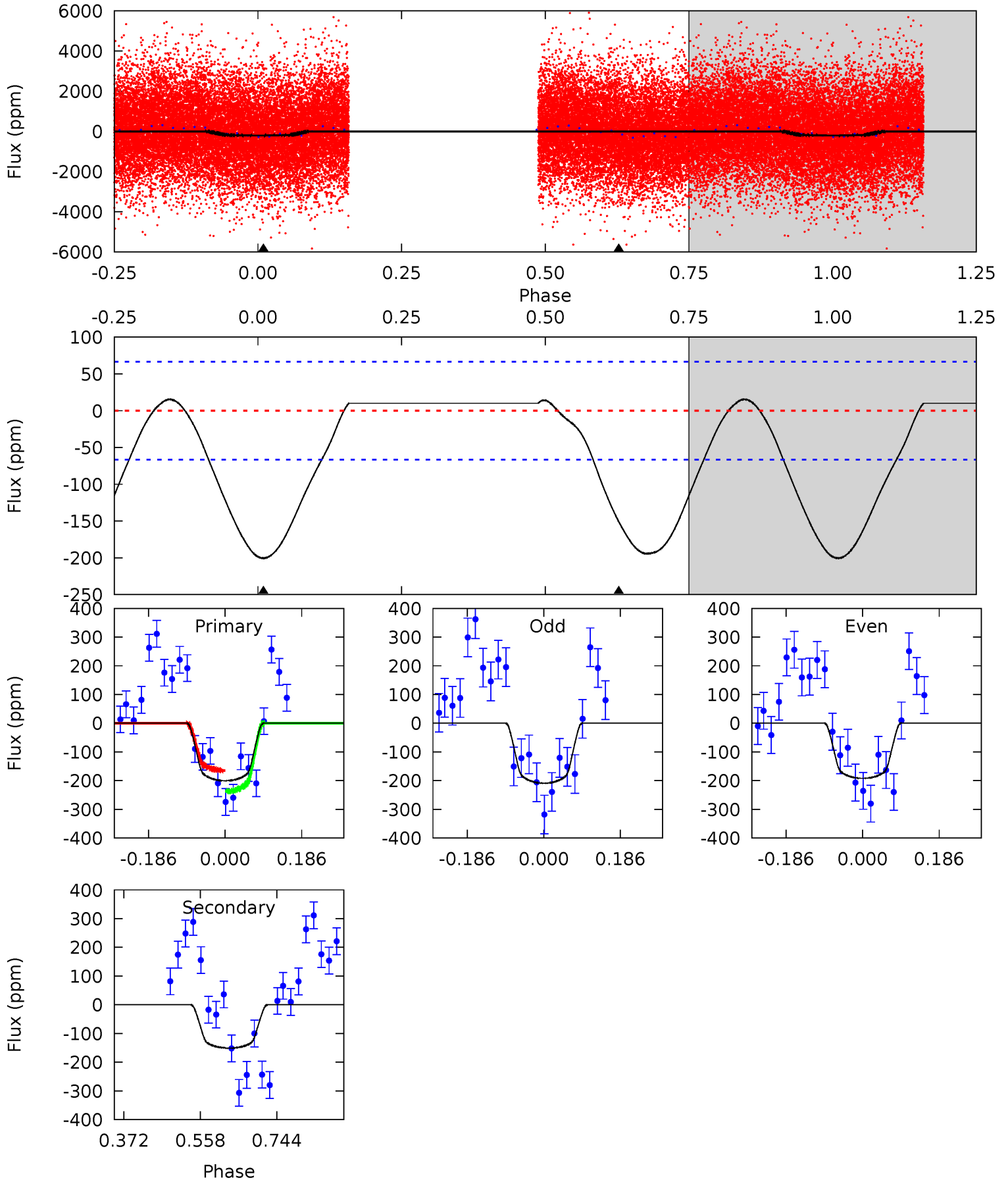
TCE 010749793-02 P= 0.722720 Days $T_0=131.666058$ (BKJD)



DV Model-Shift Uniqueness Test

010749793-02, P = 0.722709 Days, E = 130.948569 Days

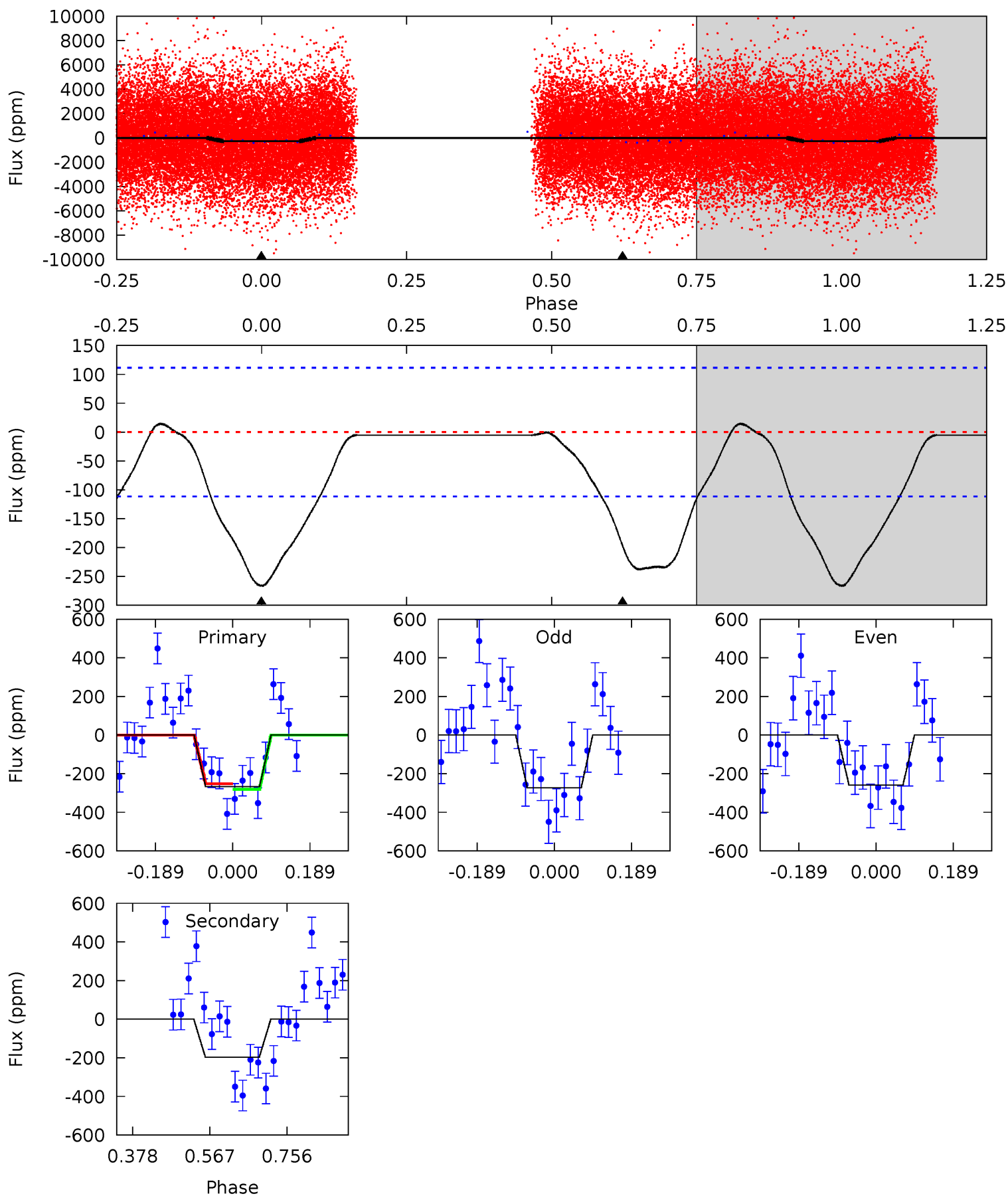
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
13.4	10.1	0	0	4.43	1.32	1.31	13.4	13.4	10.1	10.1	0.56	0.89	0.07	2.45



Alt Model-Shift Uniqueness Test

010749793-02, P = 0.722720 Days, E = 130.943338 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.6	7.82	0	0	4.43	1.31	1.00	10.6	10.6	7.82	7.82	0.28	1.34	0.05	0.56



Stellar Parameters For KIC 010749793

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7848^{+218}_{-327}	$3.776^{+0.368}_{-0.115}$	$0.070^{+0.200}_{-0.350}$	$3.148^{+0.699}_{-1.298}$	$2.156^{+0.309}_{-0.574}$	$0.097^{+0.271}_{-0.034}$
	+3%/-4%	+10%/-3%	+286%/-500%	+22%/-41%	+14%/-27%	+279%/-35%
Source	KIC0	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 010749793-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-151 ± 15	$5.02^{+2.20}_{-2.05}$	5834^{+454}_{-648}	6288^{+2160}_{-1245}	$1.381^{+2.290}_{-0.700}$
Alt.	-197 ± 25	$5.14^{+2.23}_{-2.02}$	5854^{+447}_{-618}	6756^{+2262}_{-1276}	$1.696^{+2.731}_{-0.886}$

T_{max} = Theoretical Maximum Planetary Temperature
 T_{obs} = Observed Planetary Temperature (Assuming $A=0.3$)
 A_{obs} = Observed Albedo (Assuming $T=0$)

If a secondary eclipse is present, the system is likely an EB if $T_{obs} \gg T_{max}$ AND $A_{obs} \gg 1.0$

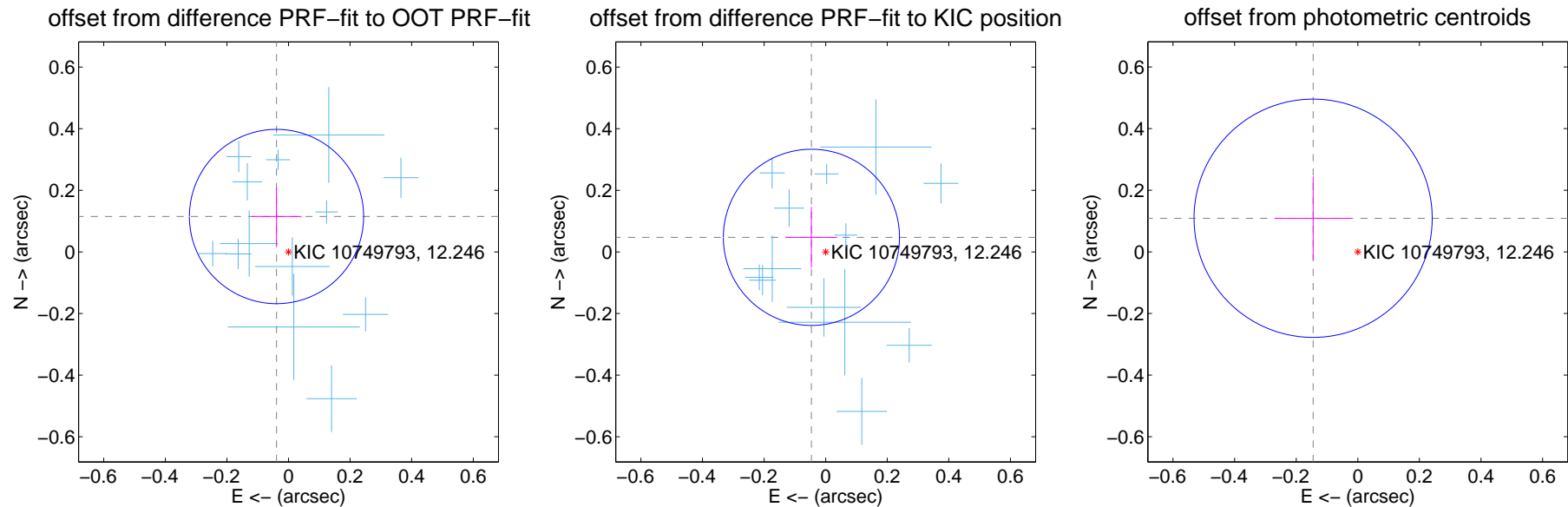
DV Centroid Data

Supplemental centroid analysis for 010749793-02. Kepler magnitude: 12.25. Transit SNR 11.40

There are 13 quarters with good PRF difference image offsets

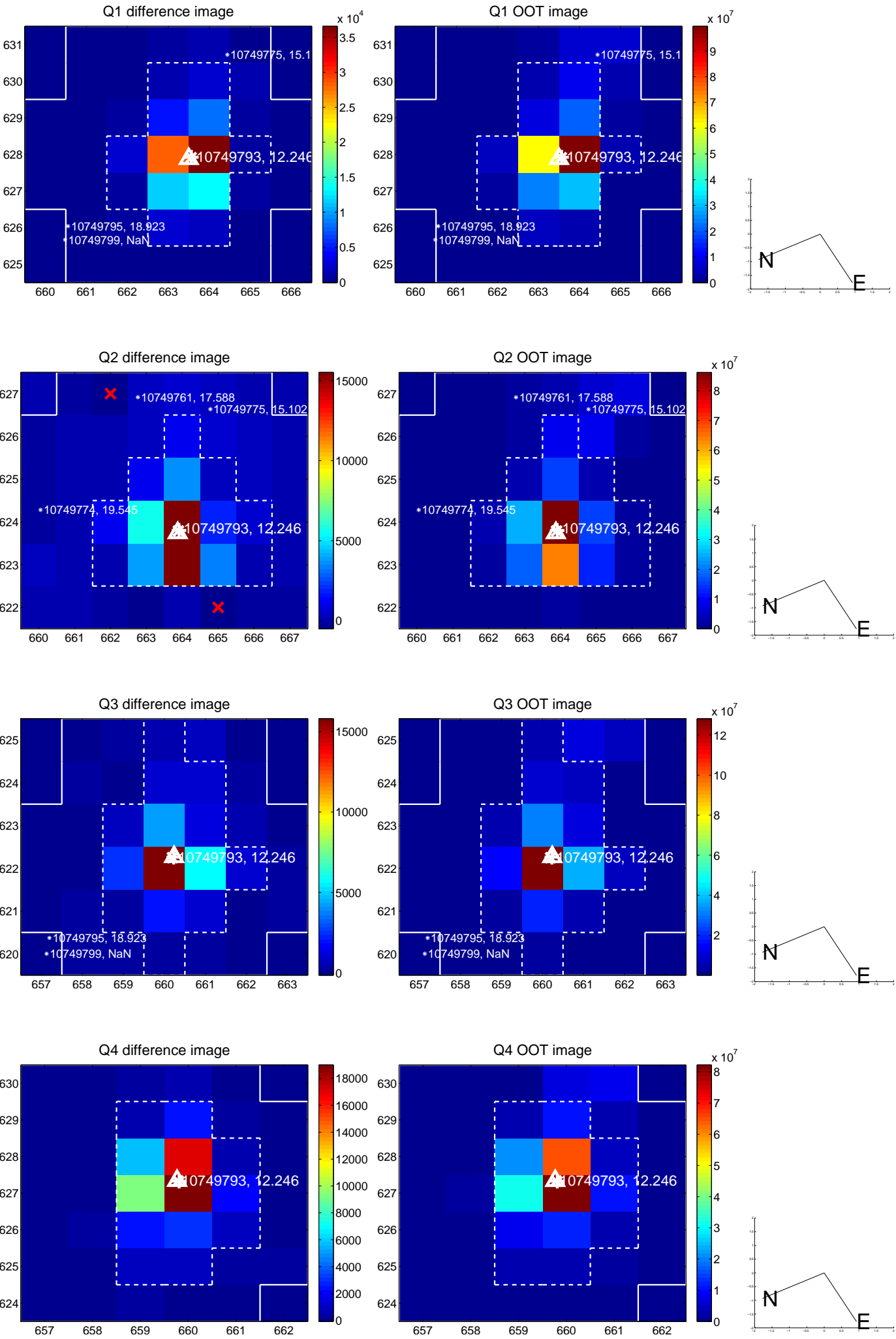
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.121 ± 0.094	1.29	0.039 ± 0.081	0.115 ± 0.095
PRF-fit source offset from KIC position	0.066 ± 0.095	0.69	0.046 ± 0.084	0.047 ± 0.099
photometric centroid source offset	0.18 ± 0.13	1.41	0.15 ± 0.13	0.11 ± 0.14

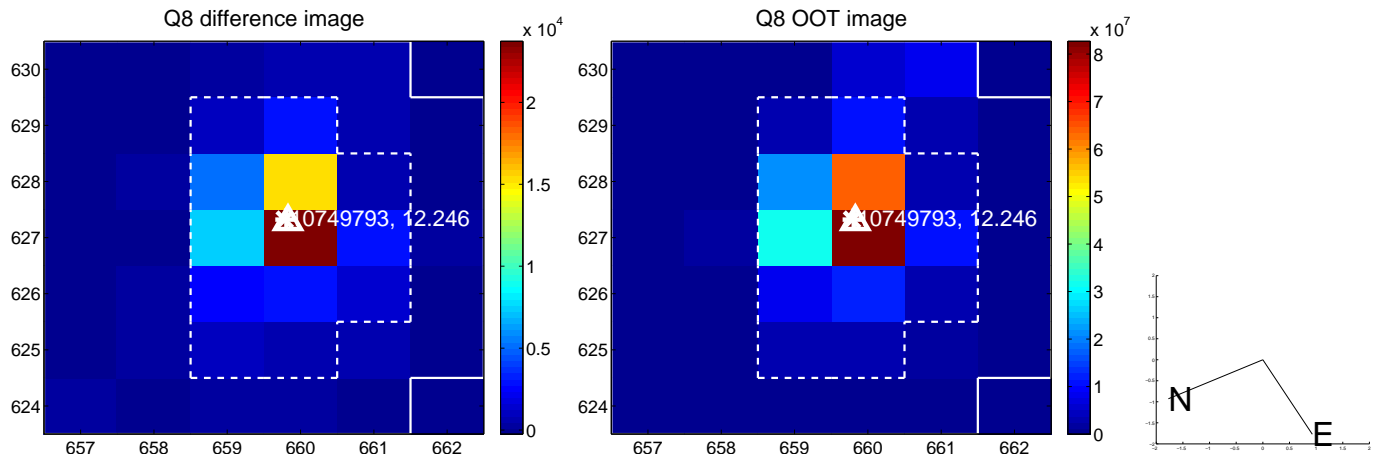
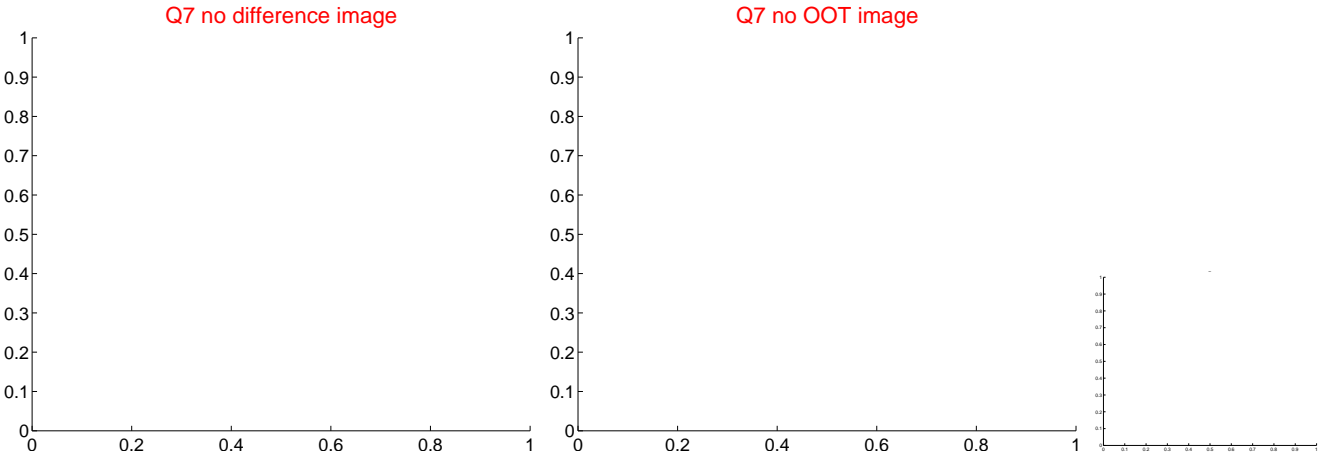
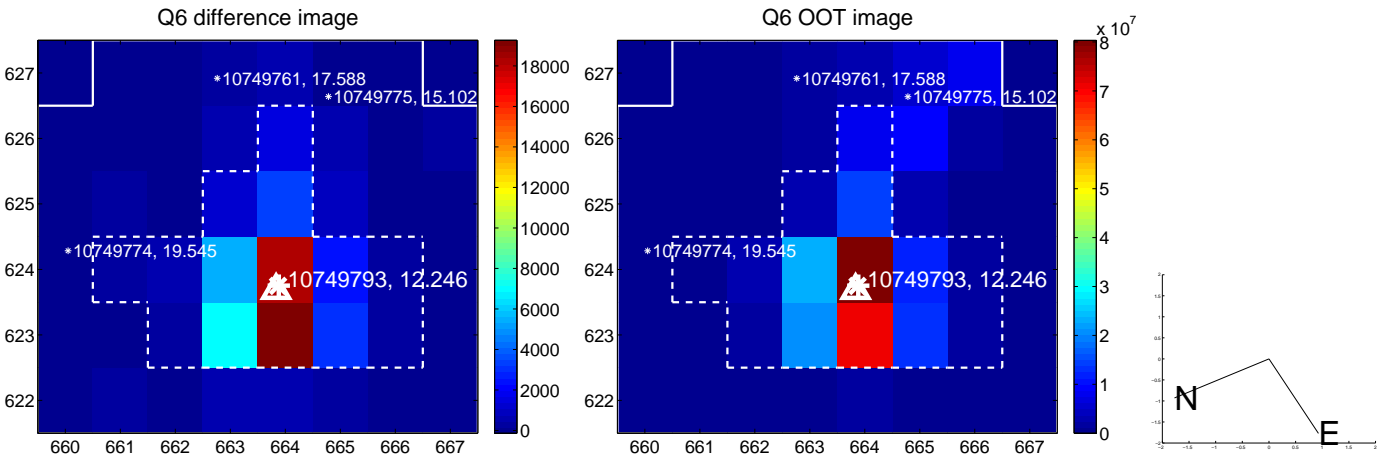
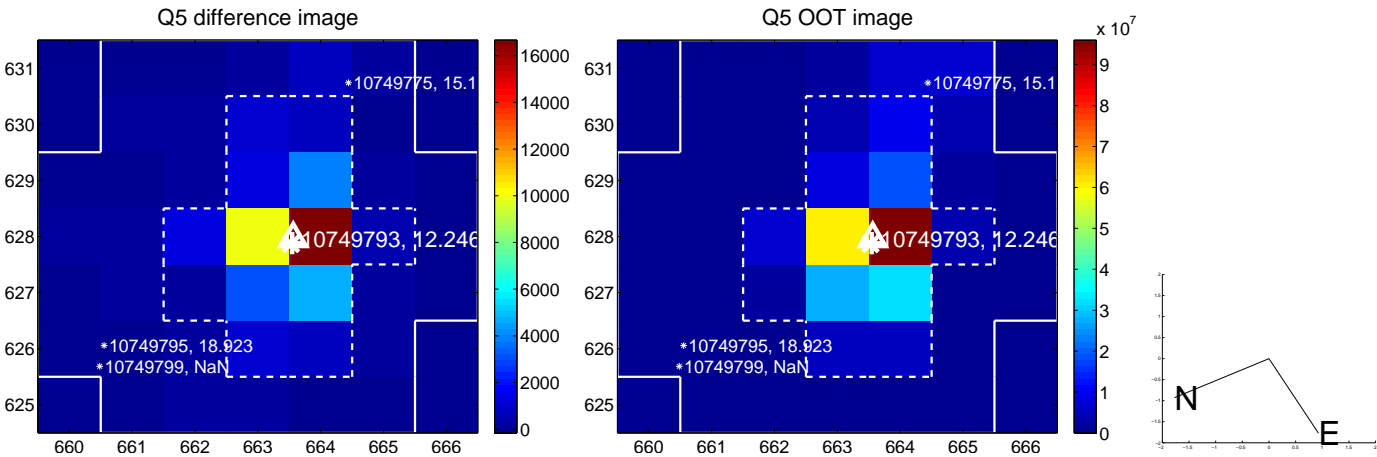


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

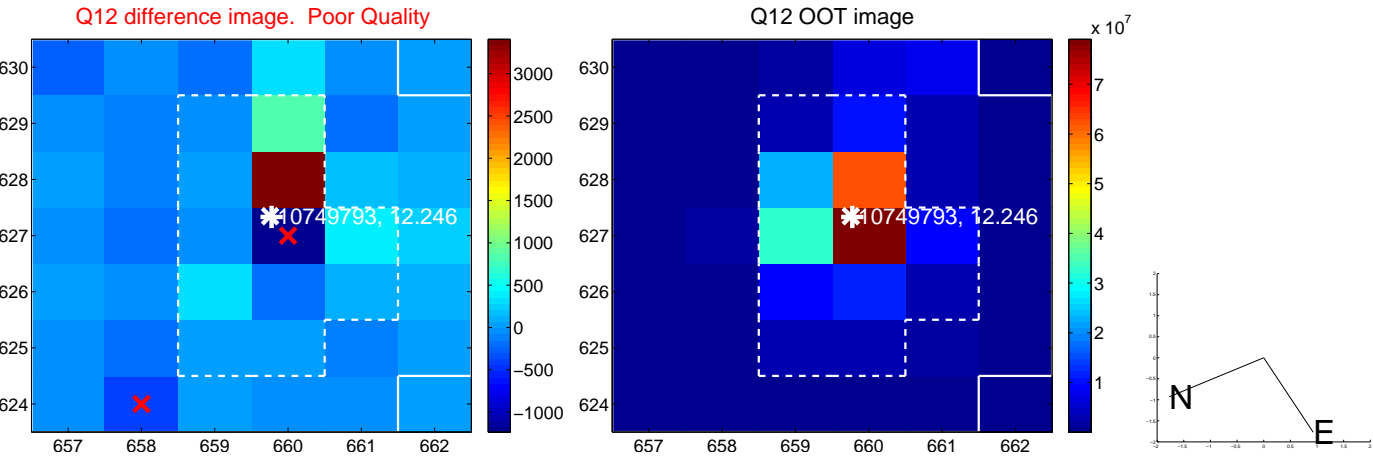
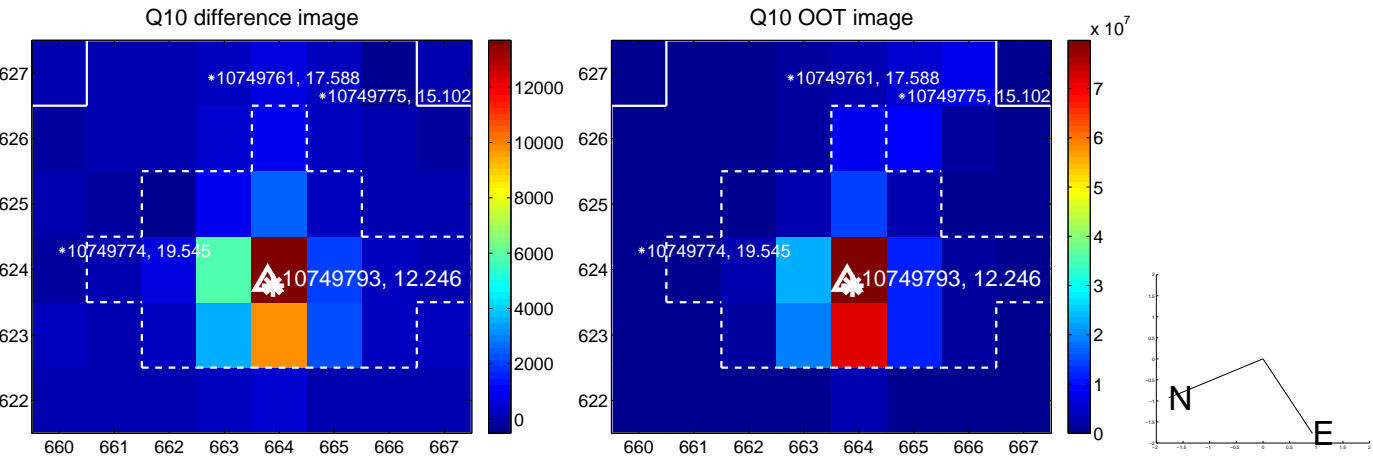
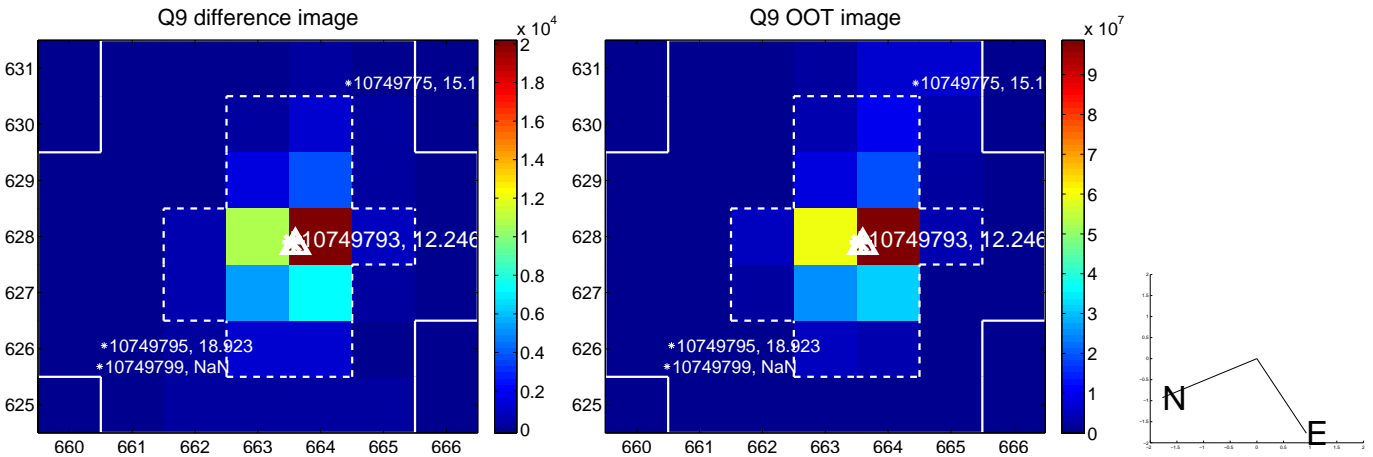
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



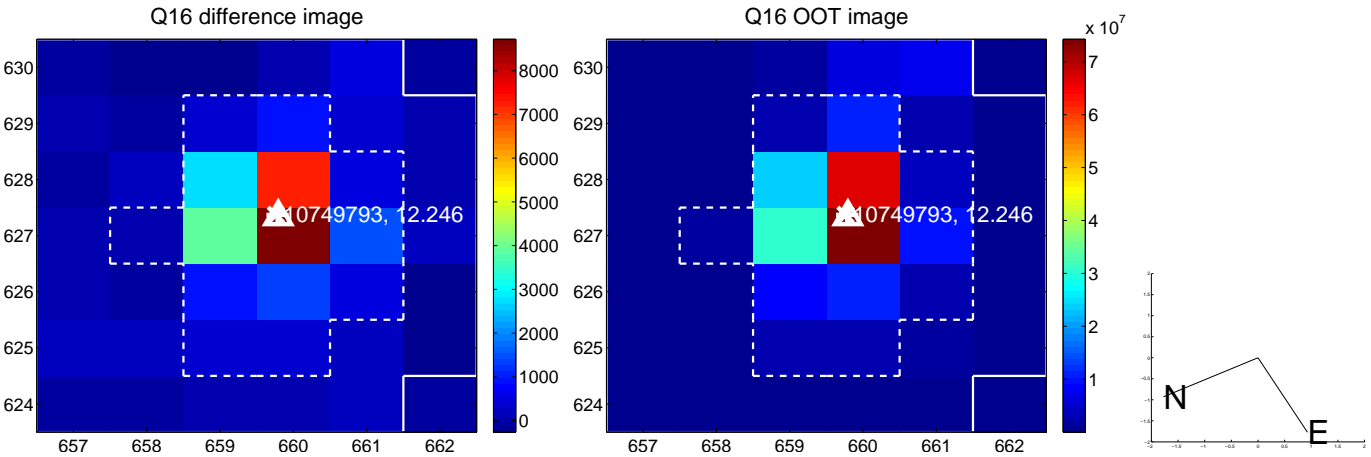
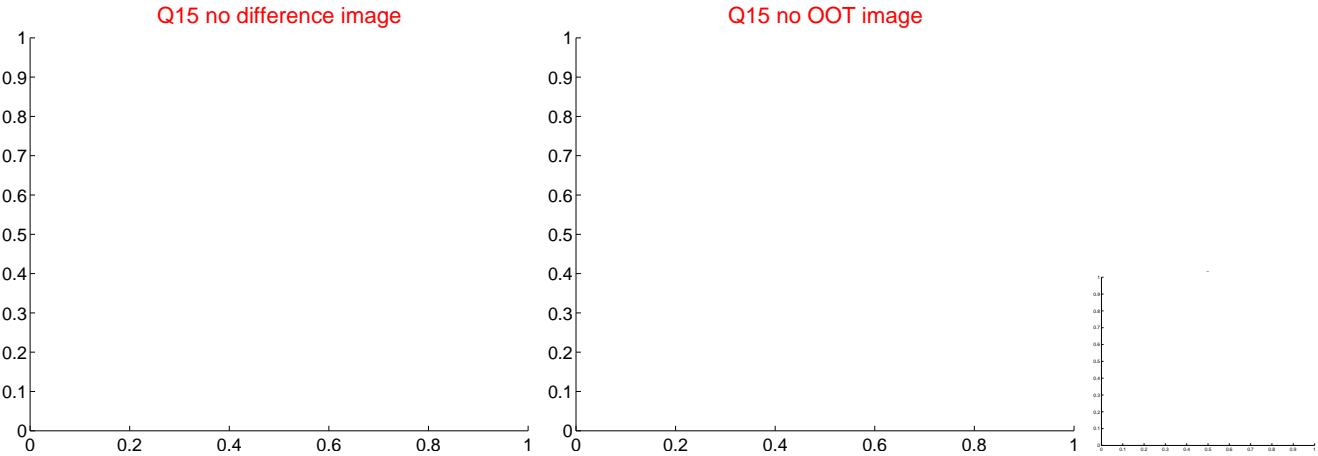
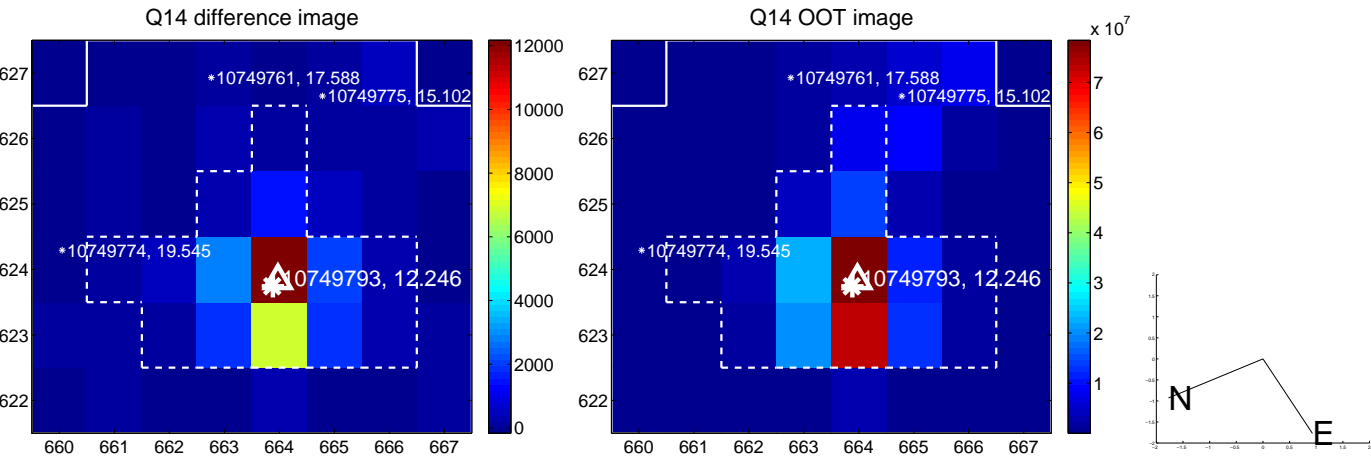
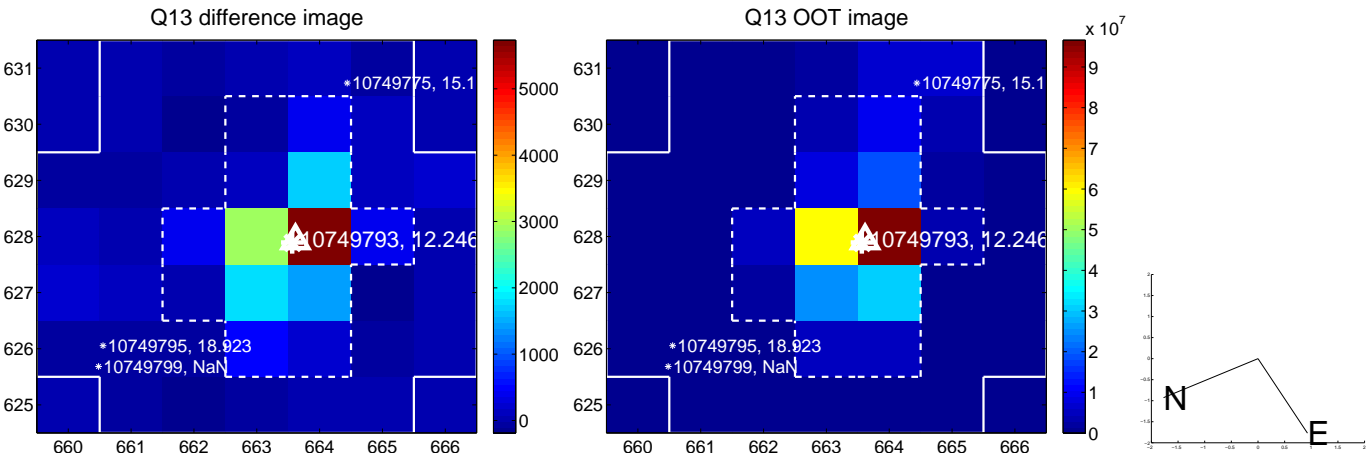
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



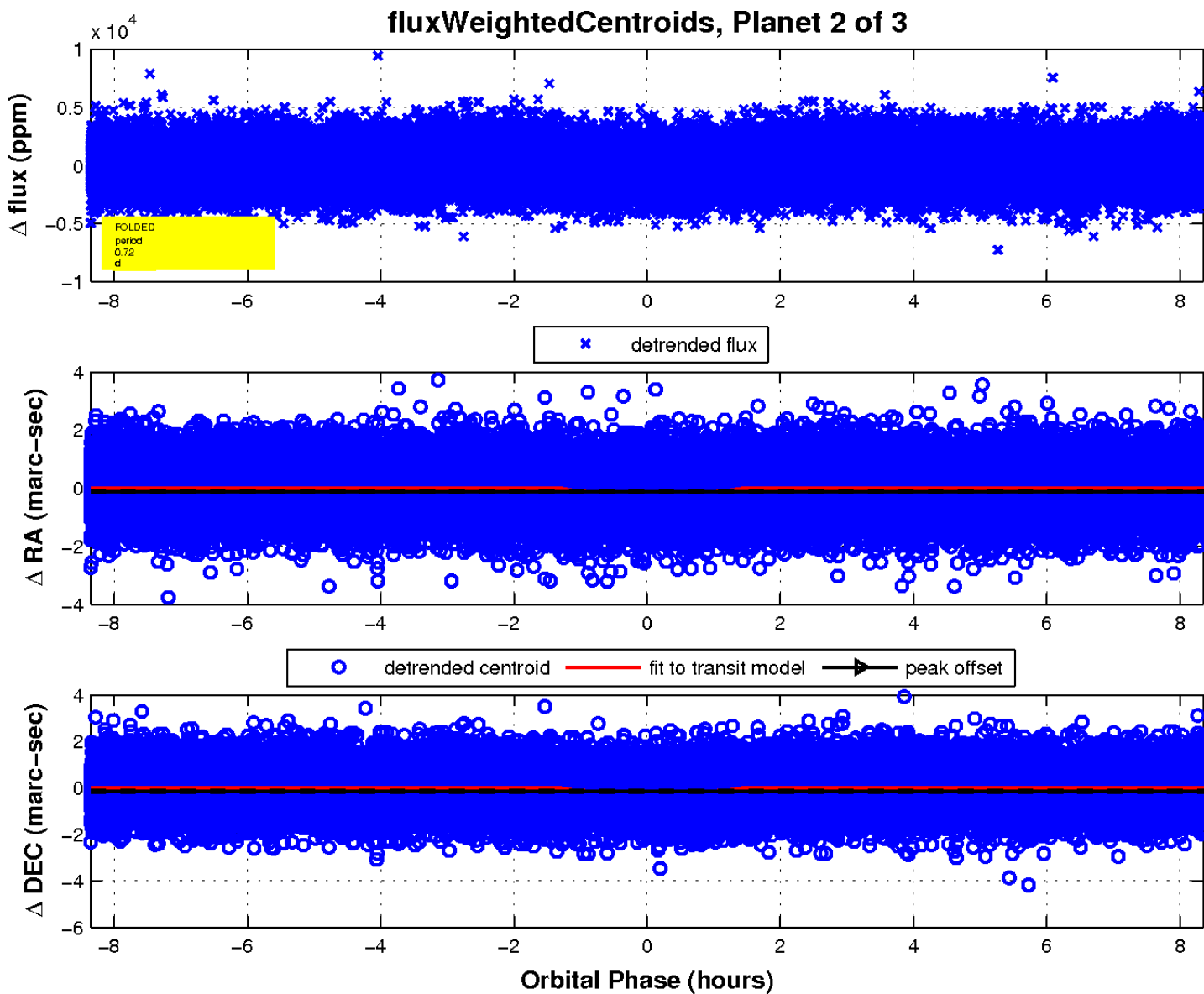
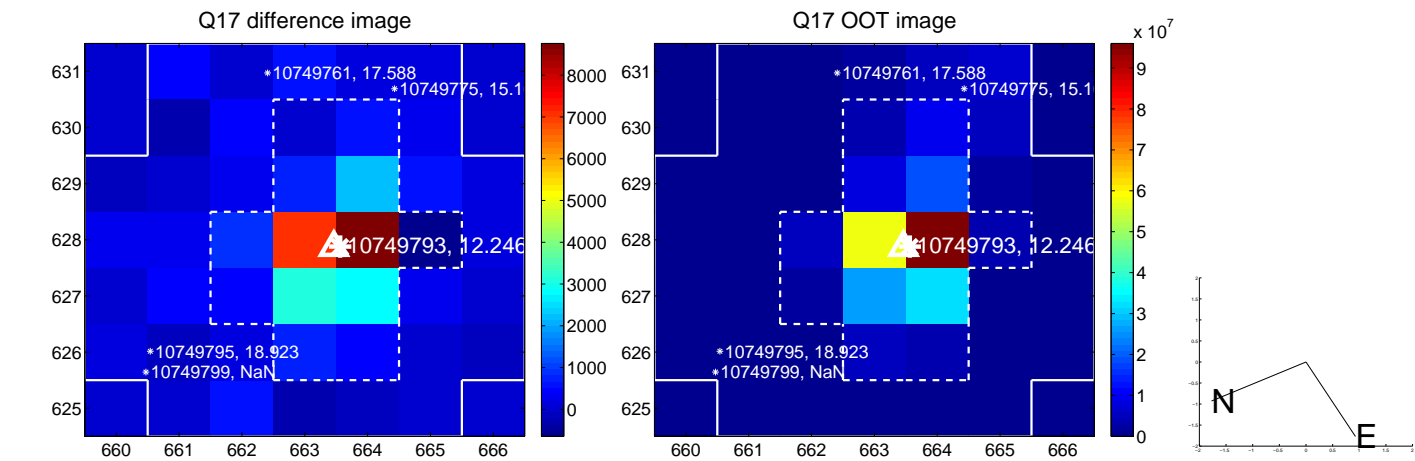
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

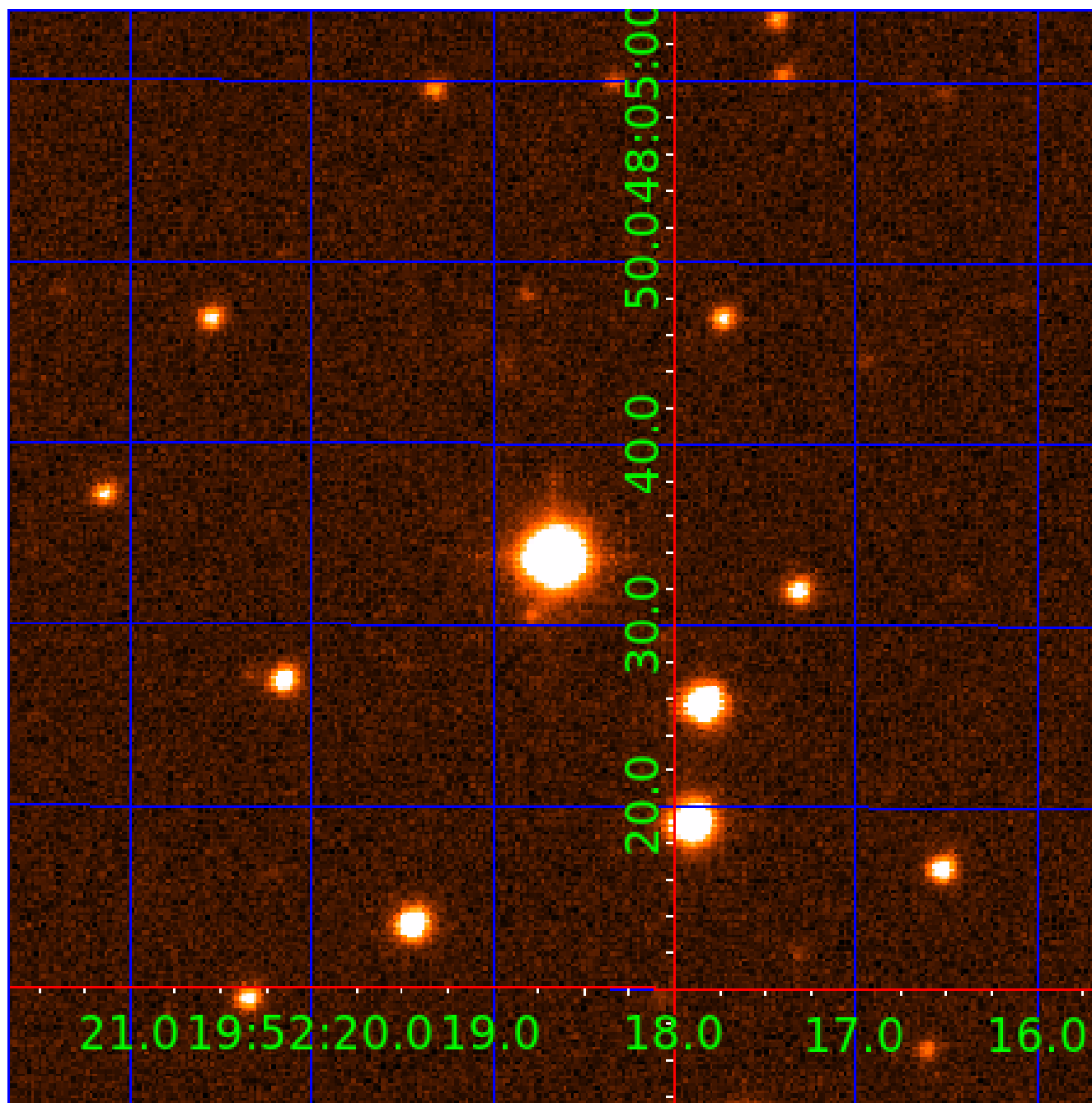


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 010749793

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})
010749793-01	OBS	No	0.722709	131.904874	278.8	1.741	10.5	11.7	3.15	7848	5.63	81158.82
010749793-02	OBS	No	0.722709	131.671278	224.3	2.784	10.4	11.4	3.15	7848	5.49	81158.76
010749793-03	OBS	No	0.722707	132.161879	227.3	2.164	9.7	11.9	3.15	7848	4.92	81159.01

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
010749793-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
010749793-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD
010749793-03	OBS	FP	0.00	1	0	0	0	LPP_DV—SAME_NTL_PERIOD

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

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

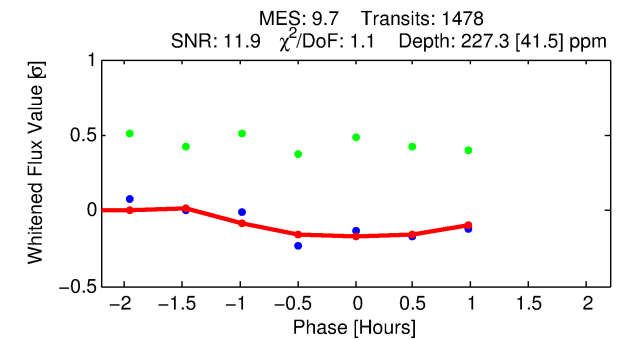
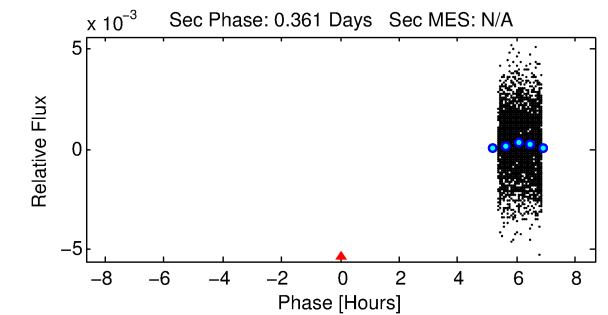
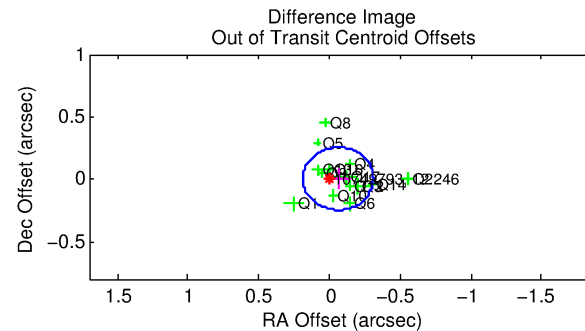
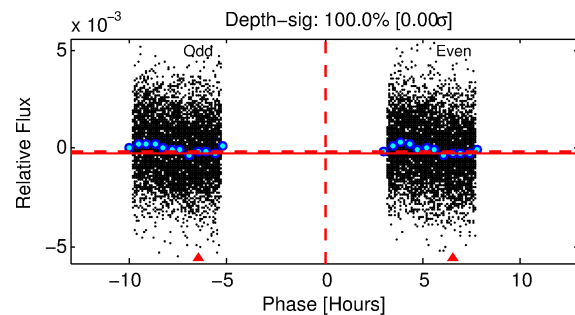
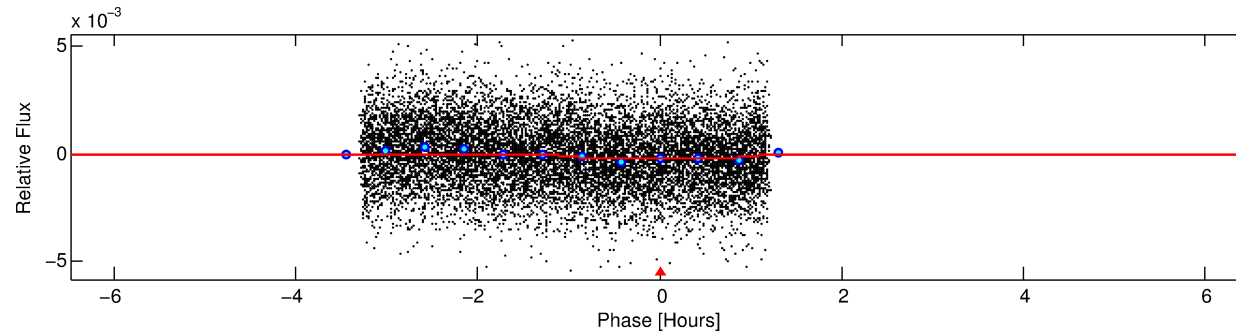
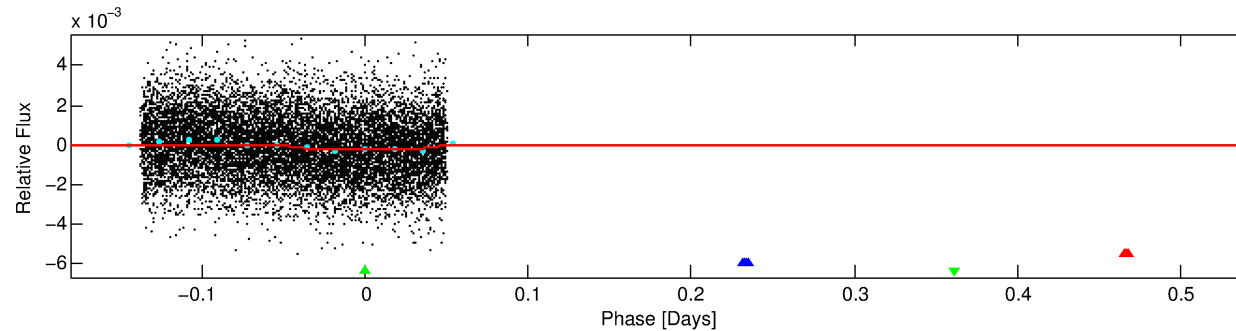
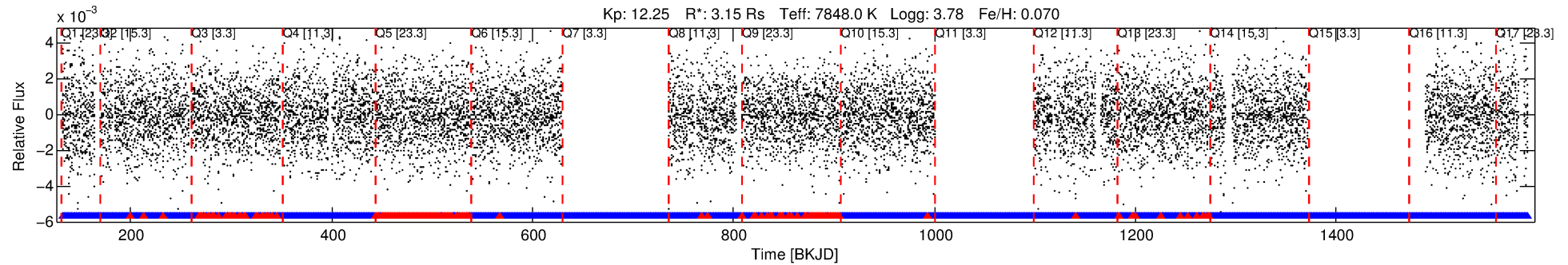
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 010749793-03

No Significant Match Found

DV One-Page Summary

KIC: 10749793 Candidate: 3 of 3 Period: 0.723 d



DV Fit Results:

Period = 0.72271 [0.00002] d
Epoch = 132.1619 [0.0032] BKJD
Rp/R* = 0.0143 [0.0098]
a/R* = 2.36 [7.50]
b = 0.50 [5.85]
Seff = 81159.01 [52750.34]
Teq = 4304 [699] K
Rp = 4.92 [3.93] Re
a = 0.0204 [0.0080] AU

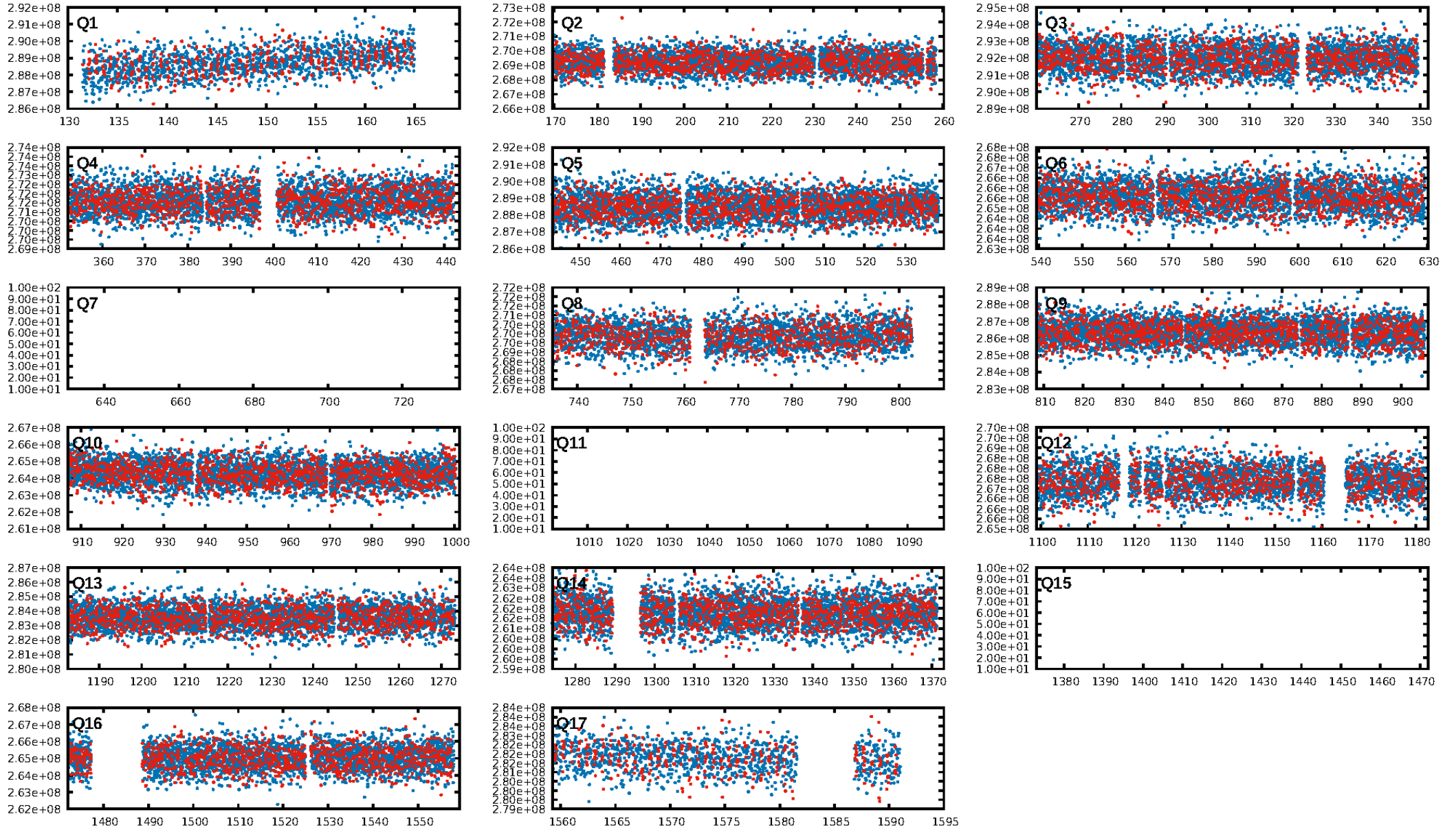
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.86 [1196/1395]
GhostDiagnostic-chr: 1.505
Centroid-sig: 0.0%
Centroid-so: 0.448 arcsec [3.24σ]
OotOffset-rm: 0.062 arcsec [0.74σ]
KicOffset-rm: 0.026 arcsec [0.30σ]
OotOffset-st: 4/1/4/5 [14]
KicOffset-st: 4/1/4/5 [14]
DiffImageQuality-fgm: 1.00 [14/14]
DiffImageOverlap-fno: 0.00 [0/14]

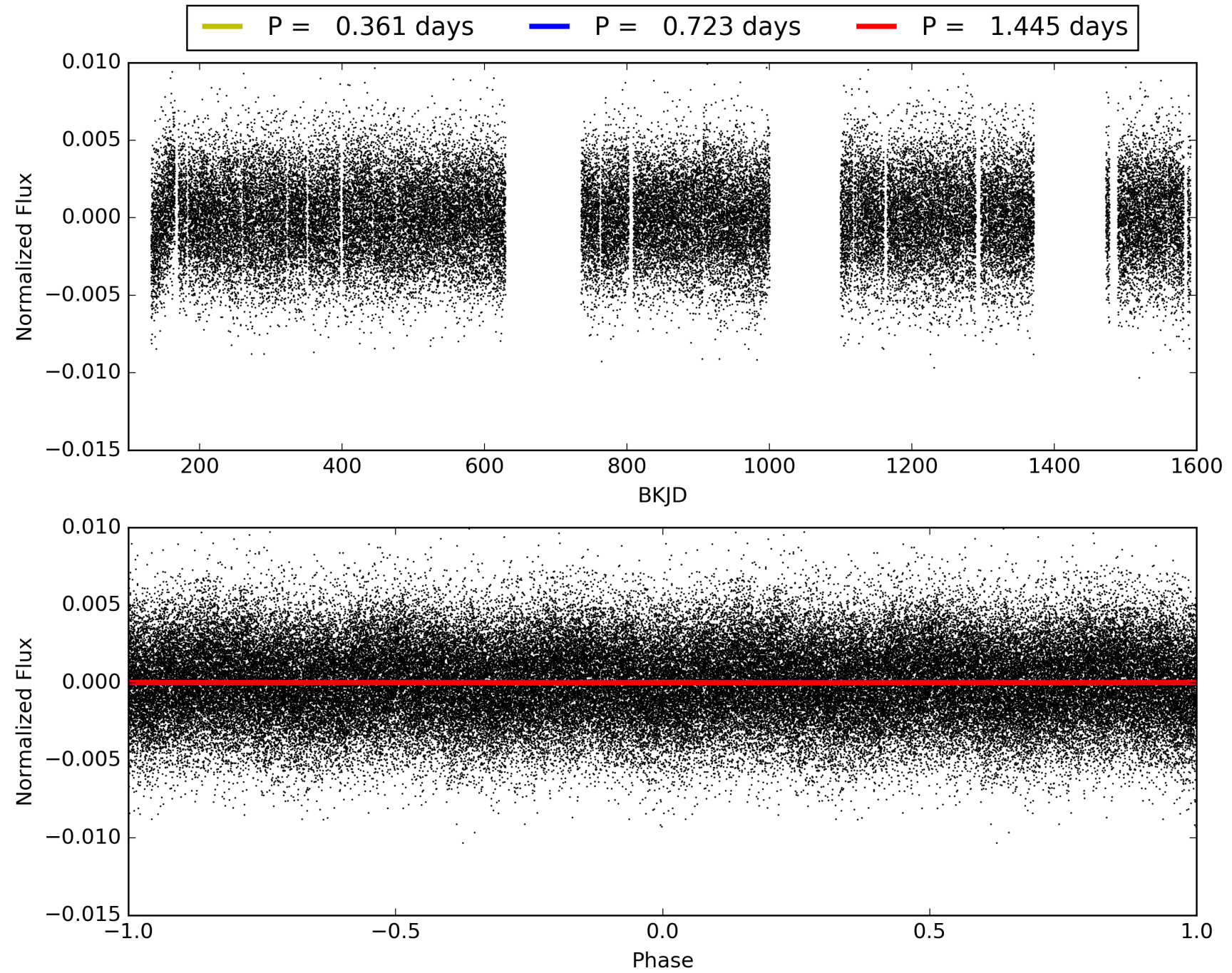
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 03:29:39 Z

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

TCE 010749793-03, PDC Light Curves

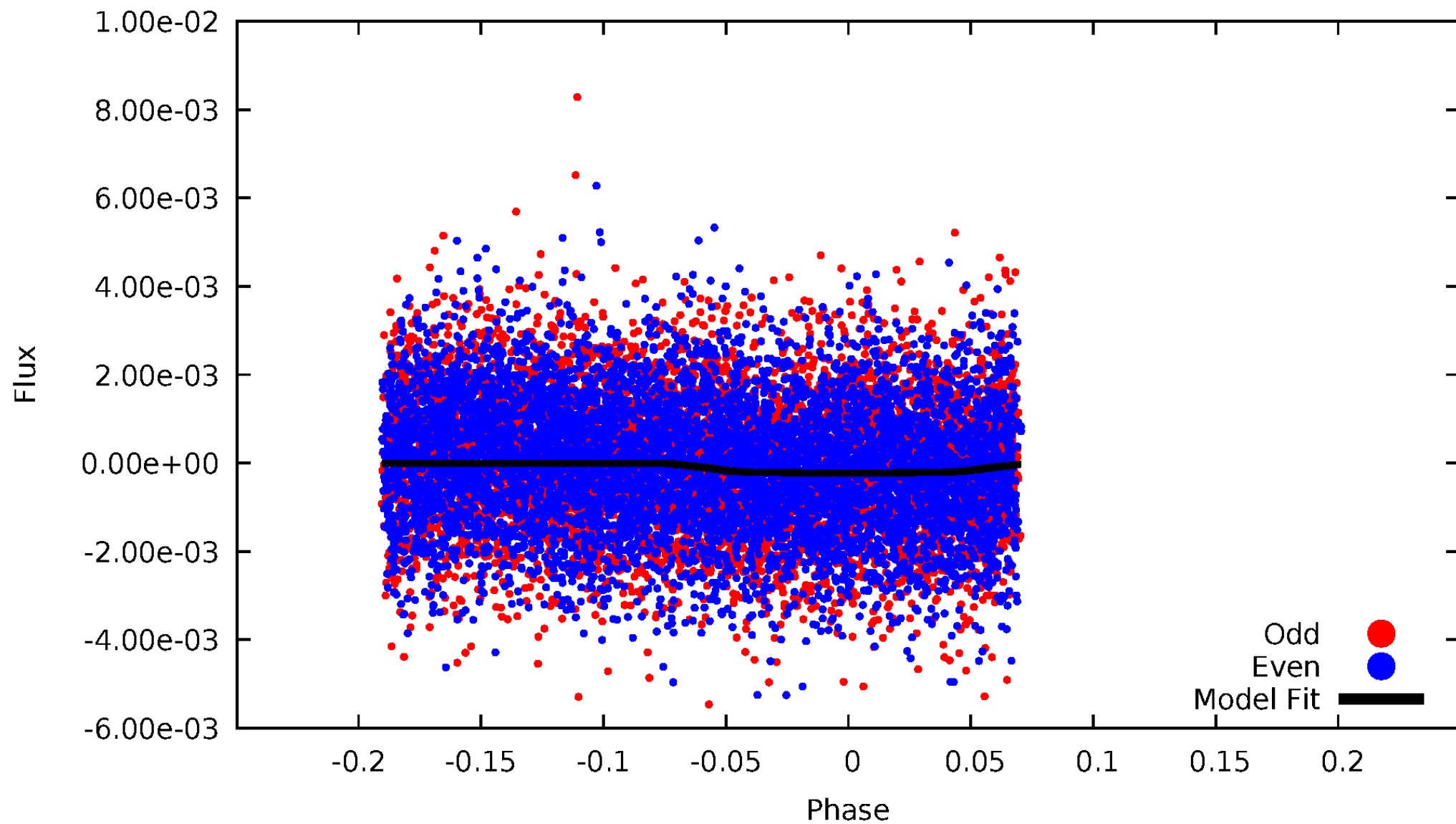


TCE 010749793-03



DV Odd/Even

TCE 010749793-03

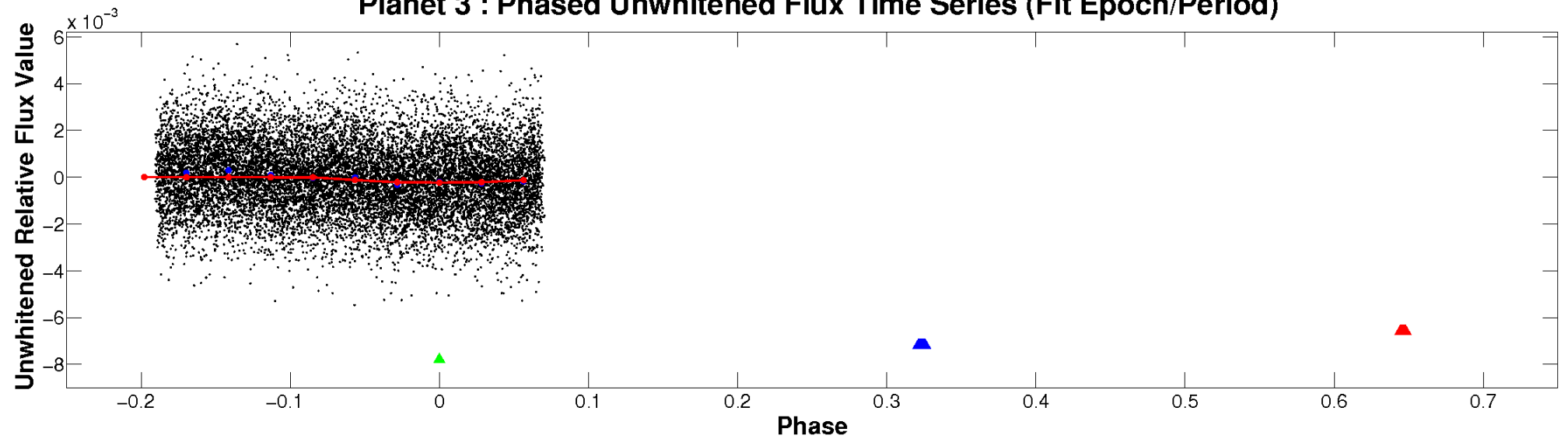


ALT Odd/Even

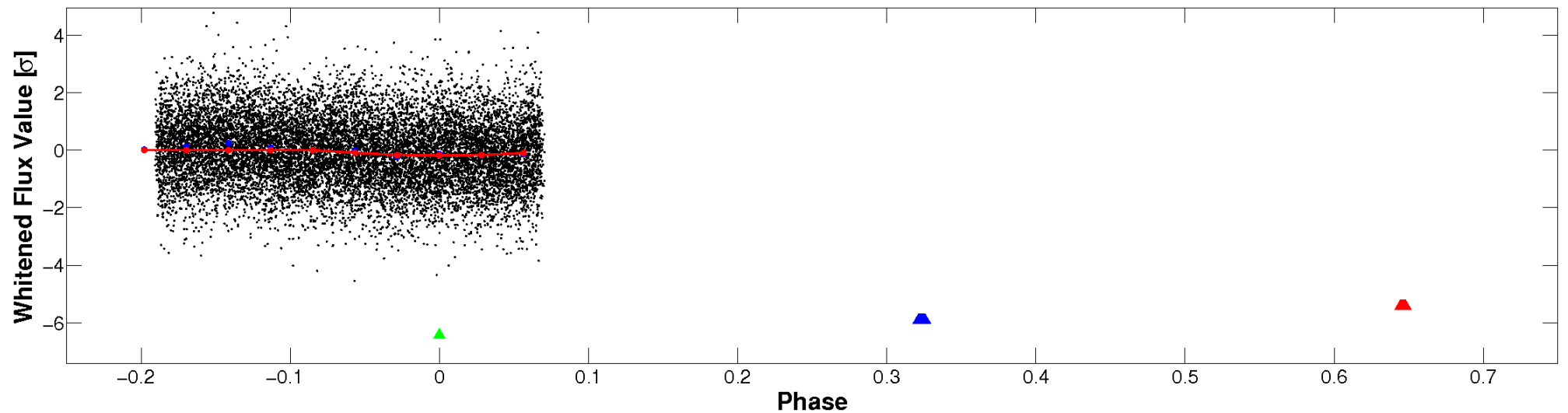
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

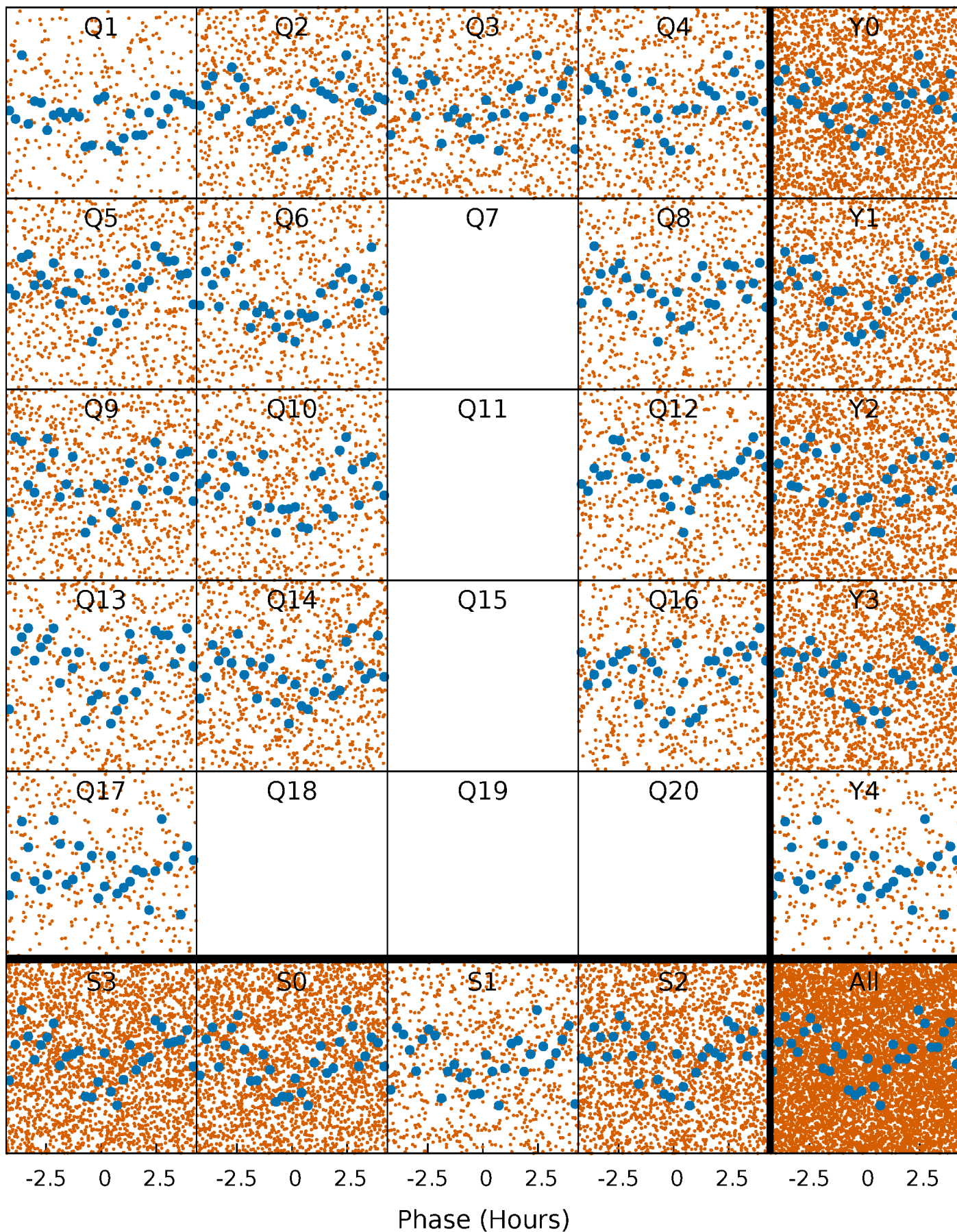


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



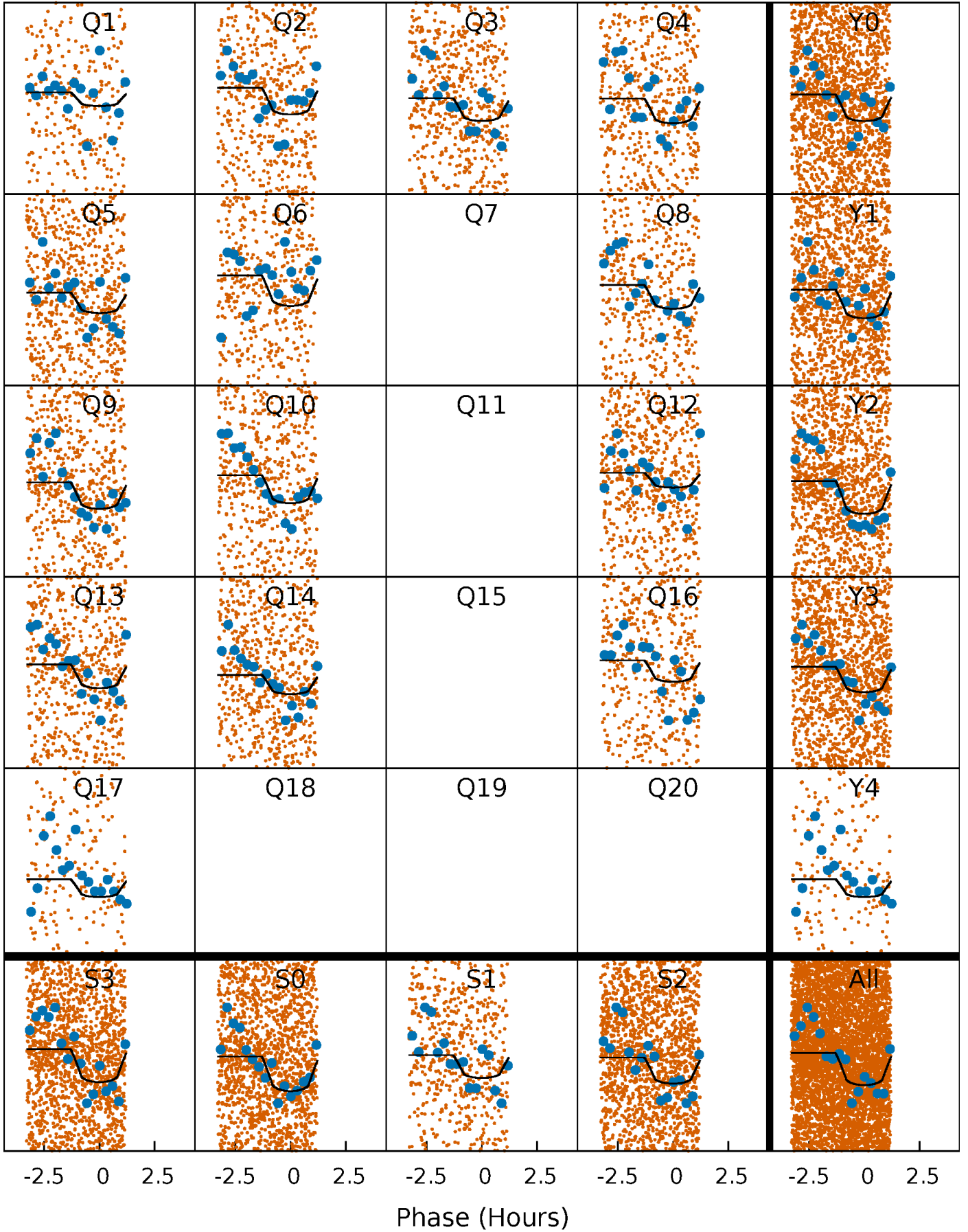
PDC Quarter-Phased Transit Curves

TCE 010749793-03 P= 0.722707 Days $T_0=132.161879$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 010749793-03 $P = 0.722707$ Days $T_0 = 132.161879$ (BKJD)

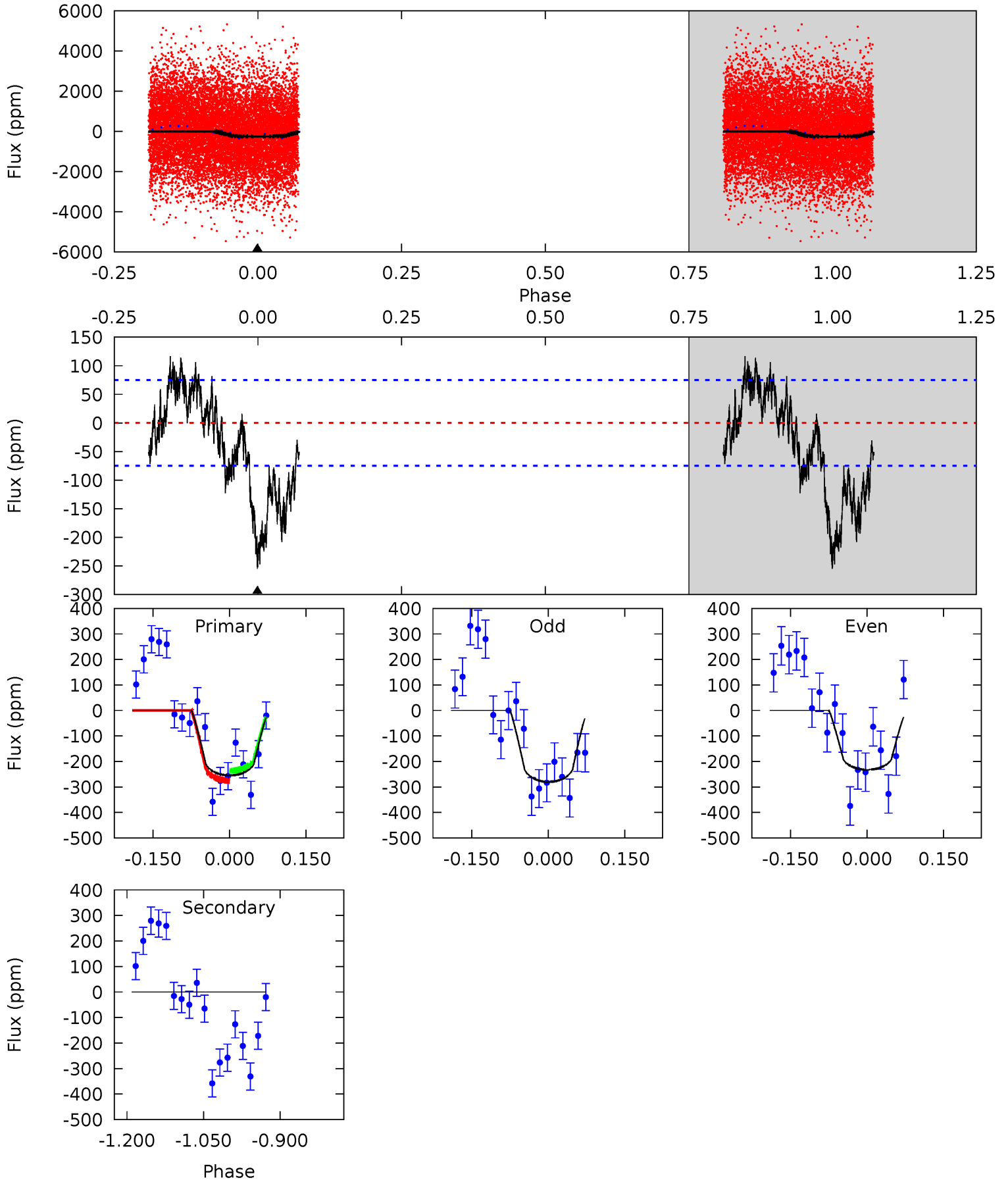


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

010749793-03, P = 0.722707 Days, E = 131.439172 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
15.2	0	0	0	4.48	1.44	2.39	15.2	15.2	0	0	1.43	1.05	0.31	1.12



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 010749793

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	7848^{+218}_{-327}	$3.776^{+0.368}_{-0.115}$	$0.070^{+0.200}_{-0.350}$	$3.148^{+0.699}_{-1.298}$	$2.156^{+0.309}_{-0.574}$	$0.097^{+0.271}_{-0.034}$
	+3%/-4%	+10%/-3%	+286%/-500%	+22%/-41%	+14%/-27%	+279%/-35%
Source	KIC0	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 010749793-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 17	$4.66^{+3.18}_{-2.60}$	5854^{+438}_{-617}	-4823^{+1055}_{-689}	$-0.007^{+0.224}_{-0.239}$
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 $A_{obs} \gg 1.0$

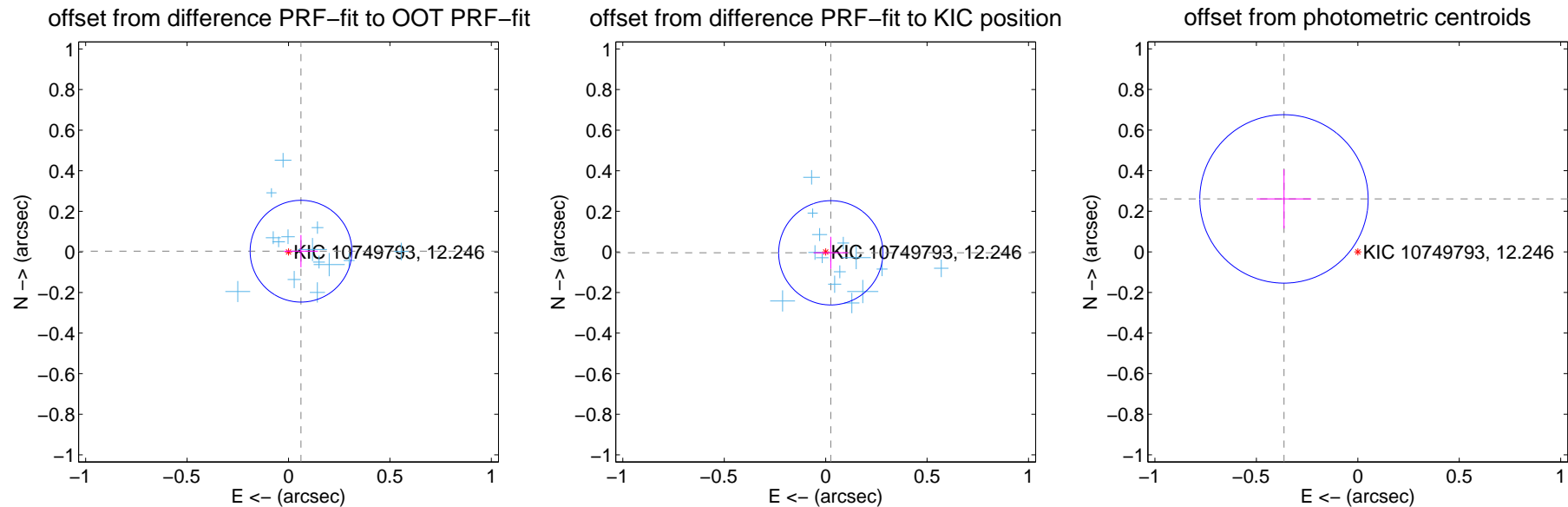
DV Centroid Data

Supplemental centroid analysis for 010749793-03. Kepler magnitude: 12.25. Transit SNR 11.85

There are 14 quarters with good PRF difference image offsets

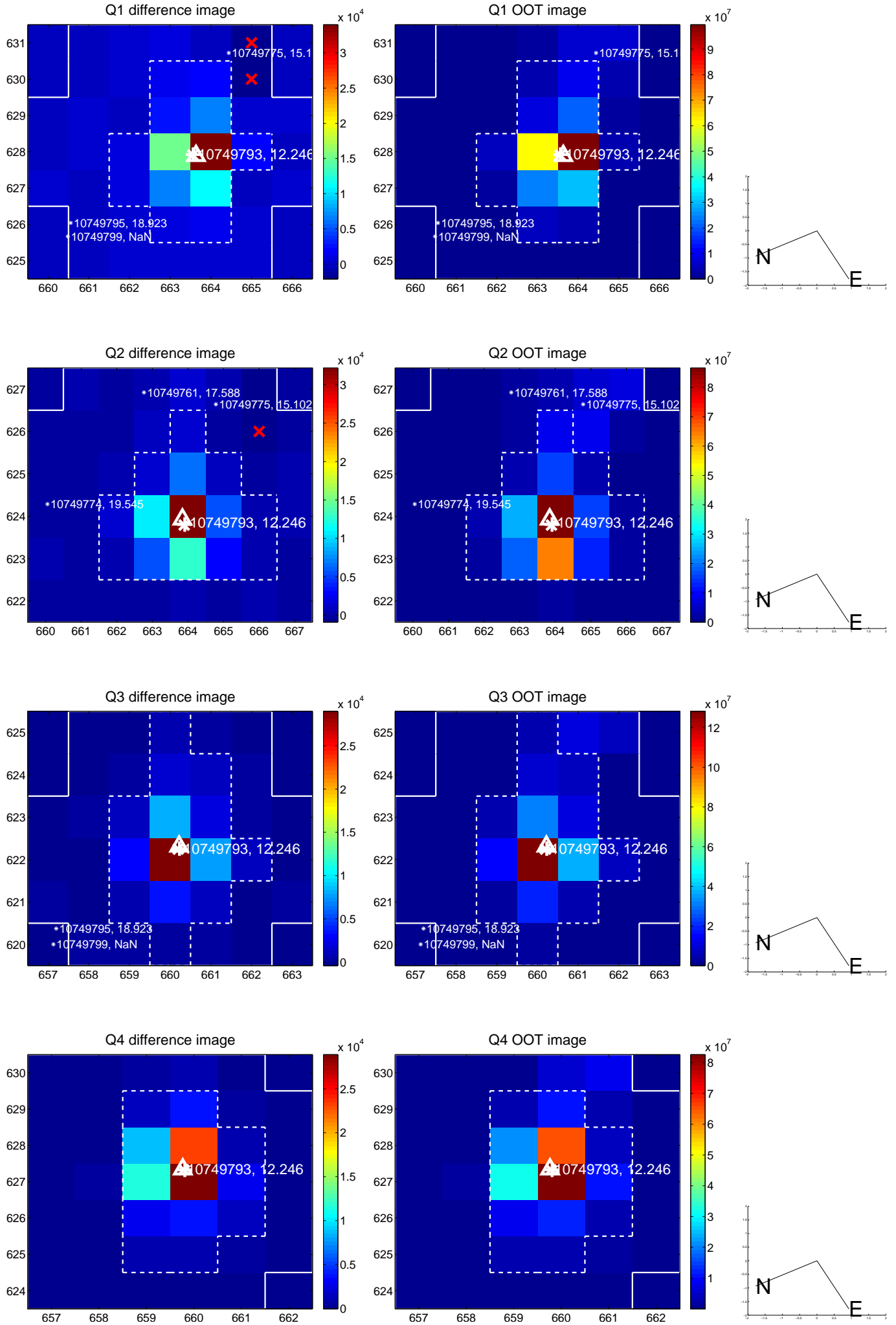
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.062 ± 0.084	0.74	-0.062 ± 0.084	0.004 ± 0.079
PRF-fit source offset from KIC position	0.026 ± 0.086	0.30	-0.025 ± 0.085	-0.004 ± 0.079
photometric centroid source offset	0.45 ± 0.14	3.24	0.36 ± 0.13	0.26 ± 0.15

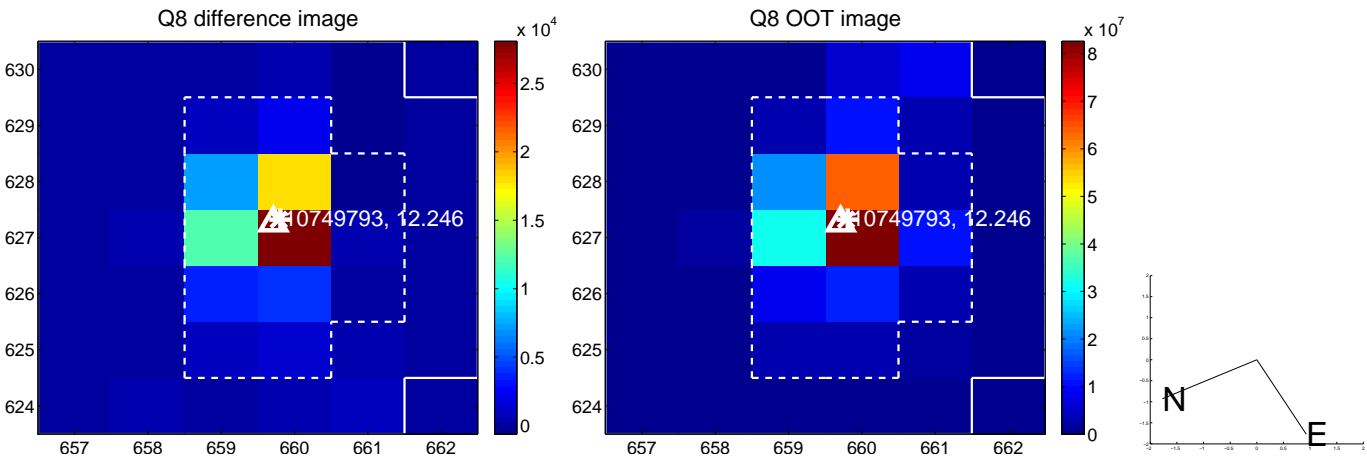
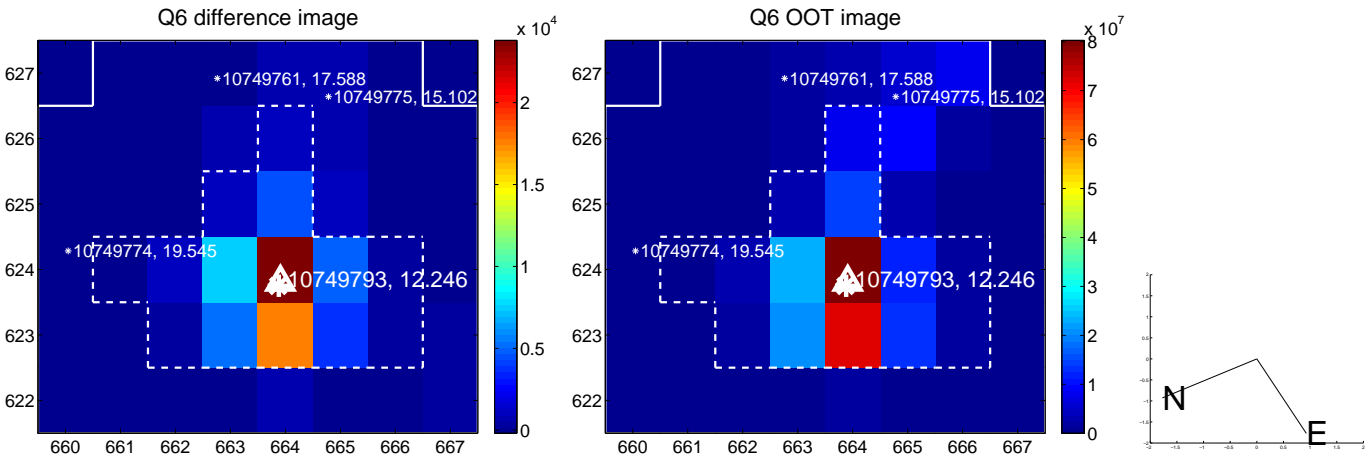
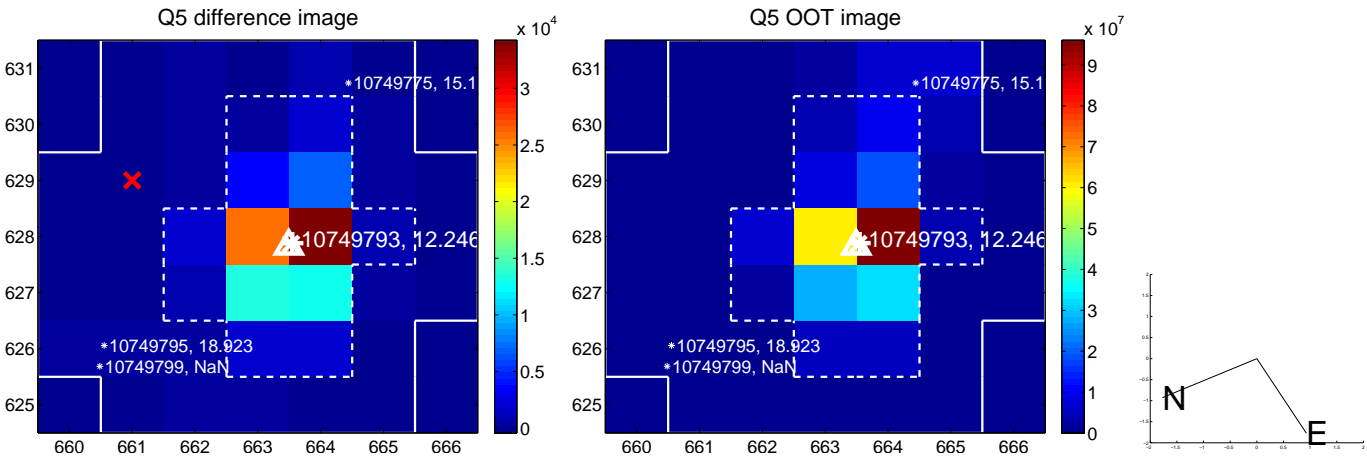


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

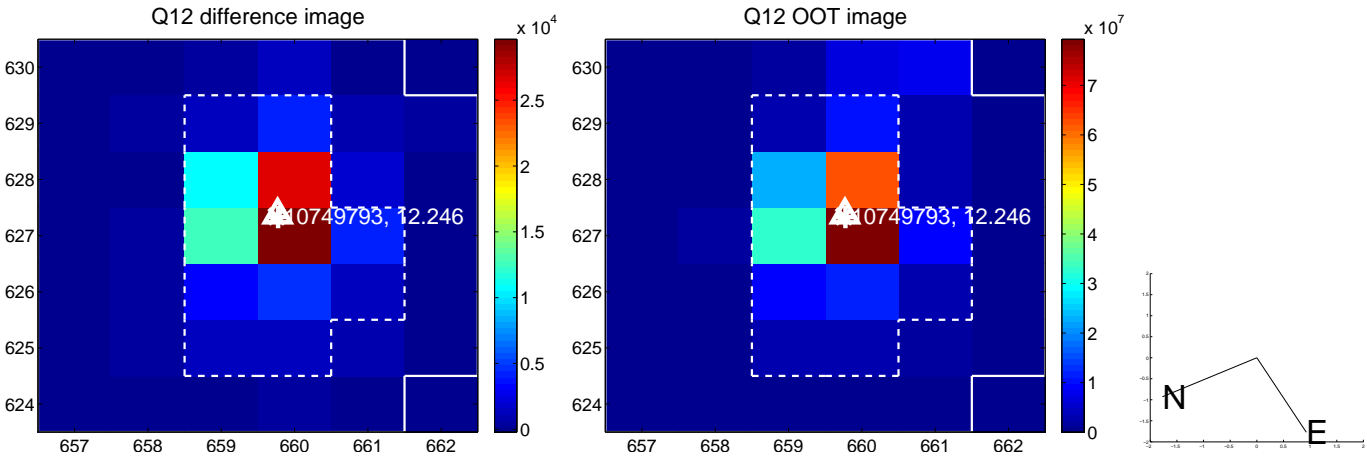
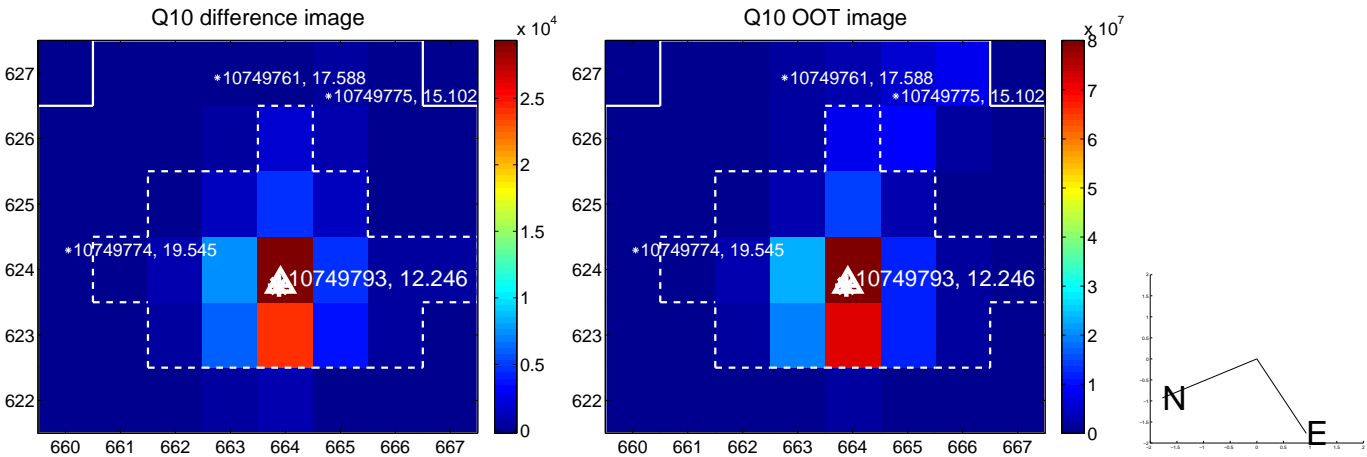
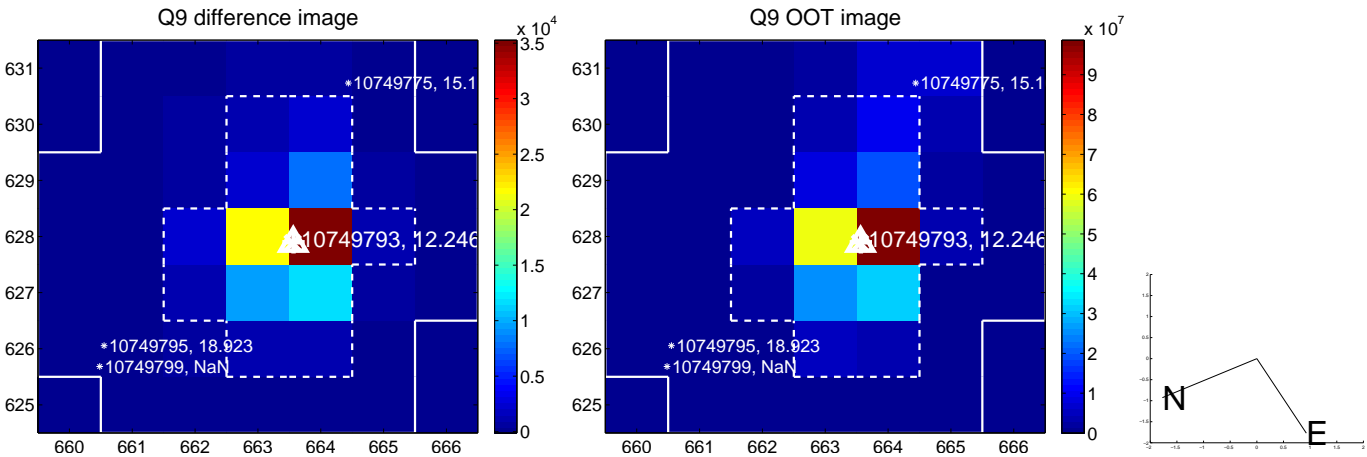
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



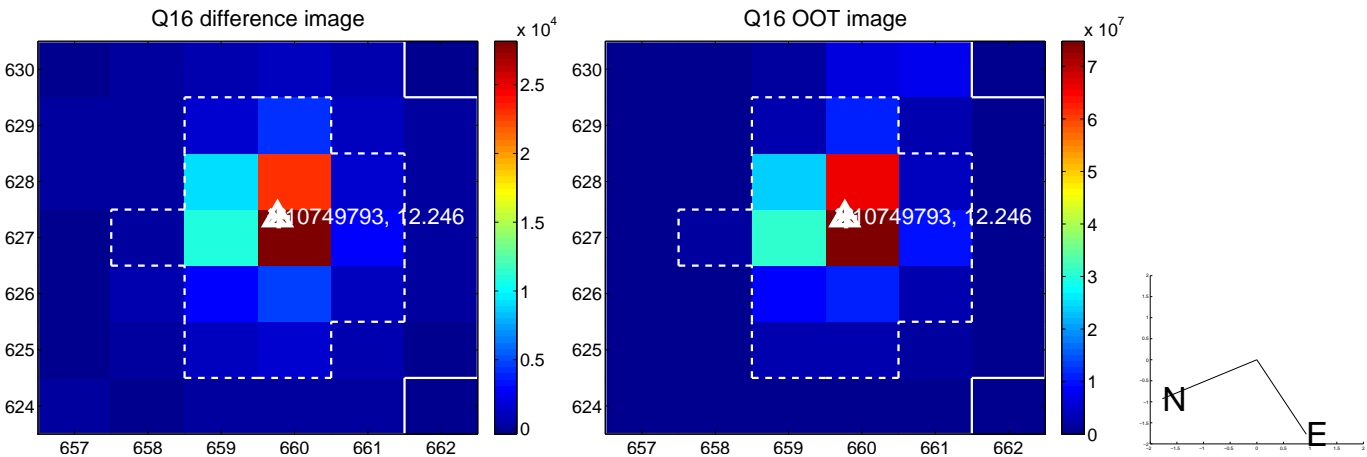
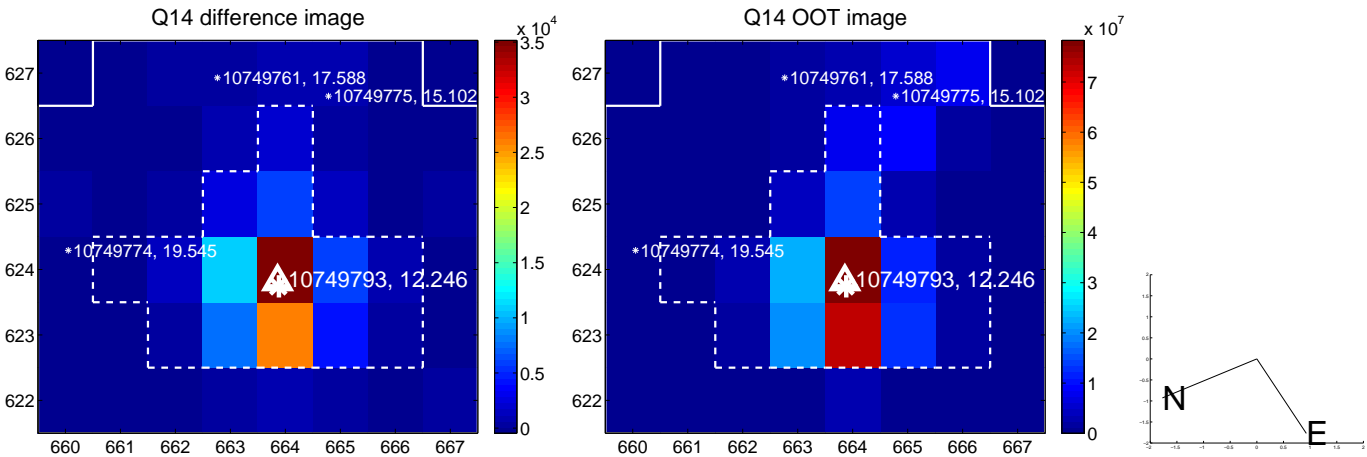
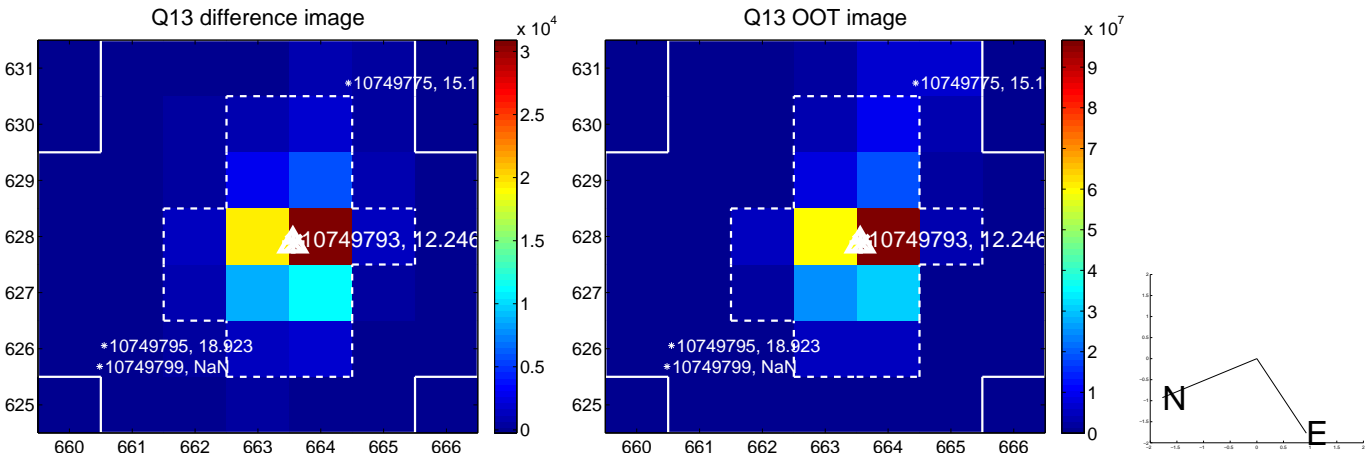
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



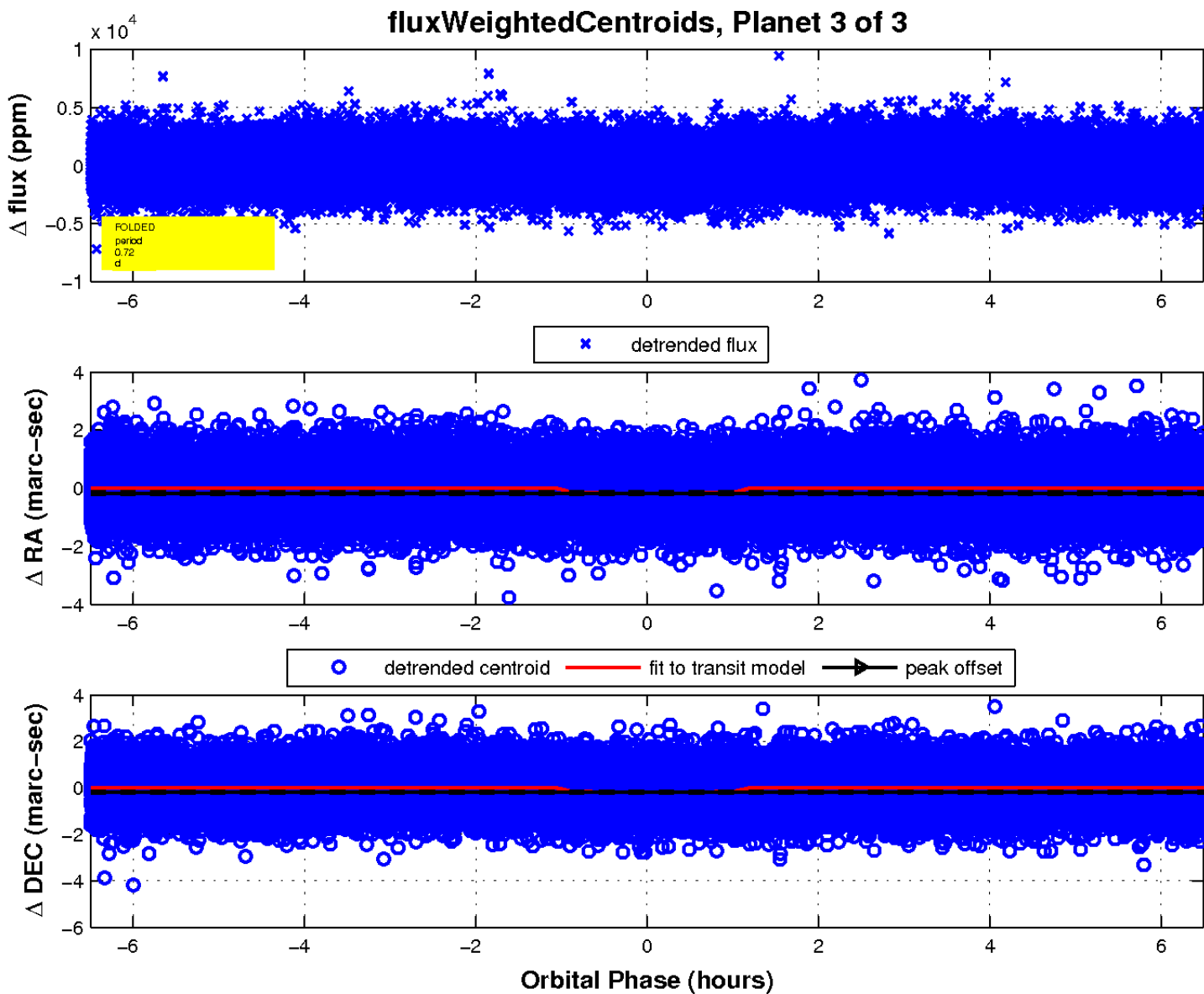
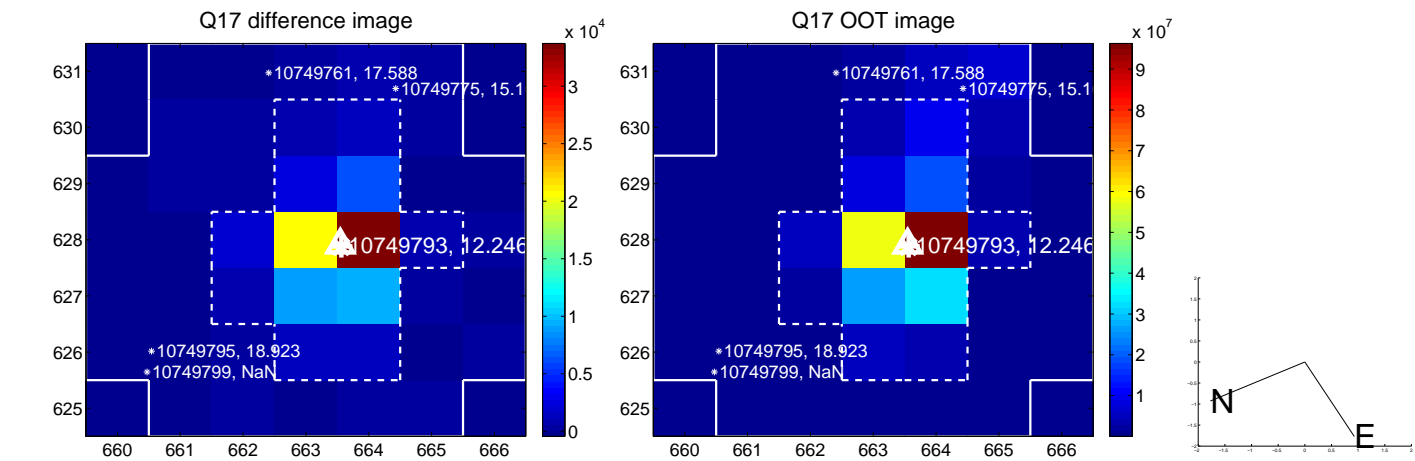
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

