

KIC 011759297

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})
011759297-01	OBS	No	1.059940	131.796914	140.2	5.530	10.1	9.6	2.60	6720	3.31	21400.42
011759297-02	OBS	No	0.529953	131.806495	239.8	1.841	11.6	13.3	2.60	6720	4.71	53928.04
011759297-03	OBS	No	39.525781	149.135998	295.4	1.500	9.5	-1.0	2.60	6720	4.52	171.77

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011759297-01	OBS	FP	0.00	1	0	0	0	LPP_DV—MOD_NONUNIQ_DV
011759297-02	OBS	FP	0.00	1	0	0	0	TRANS_GAPPED—LPP_DV—LPP_ALT—NO_FITS—SAME_NTL_PERIOD
011759297-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_NOFITS

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

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

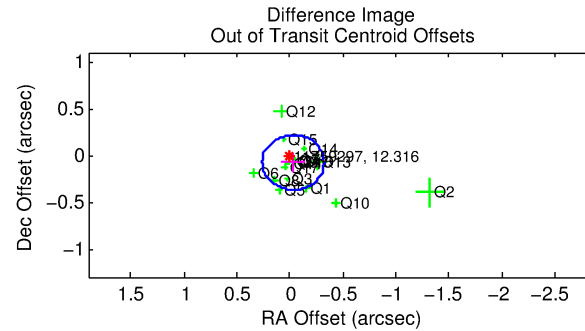
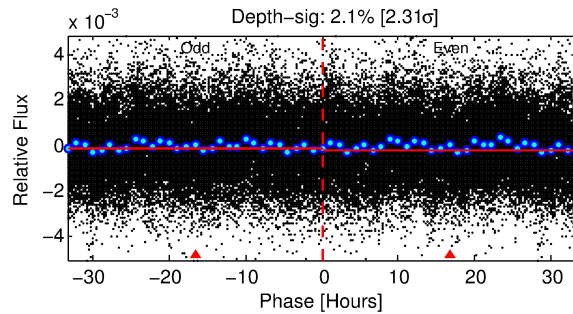
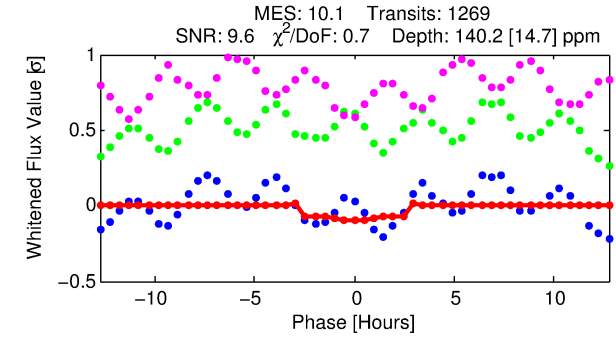
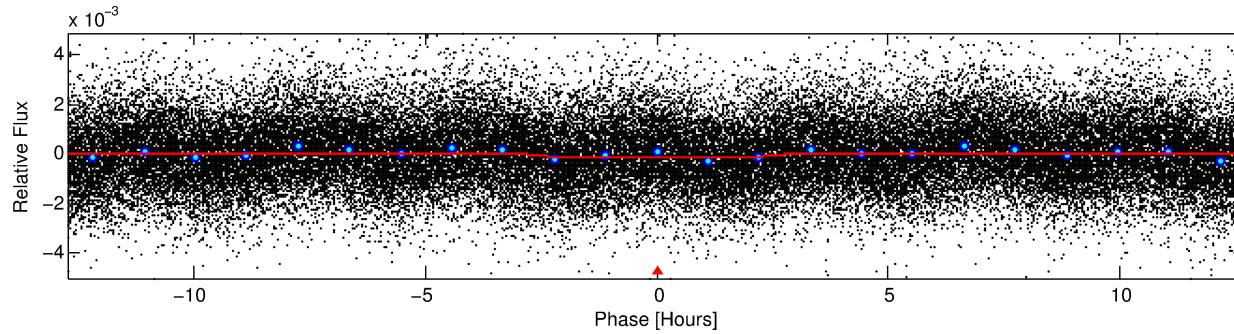
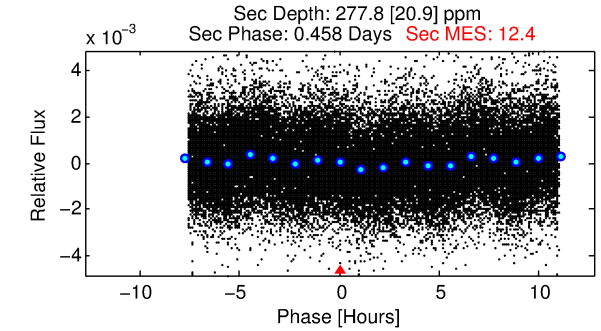
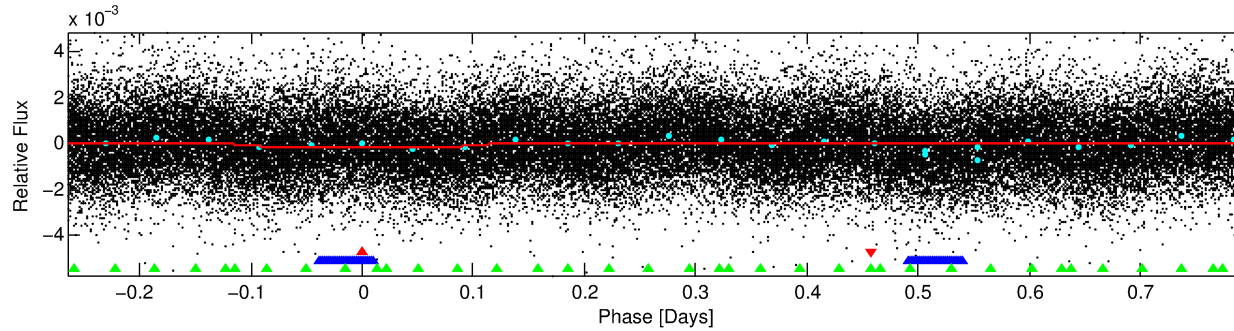
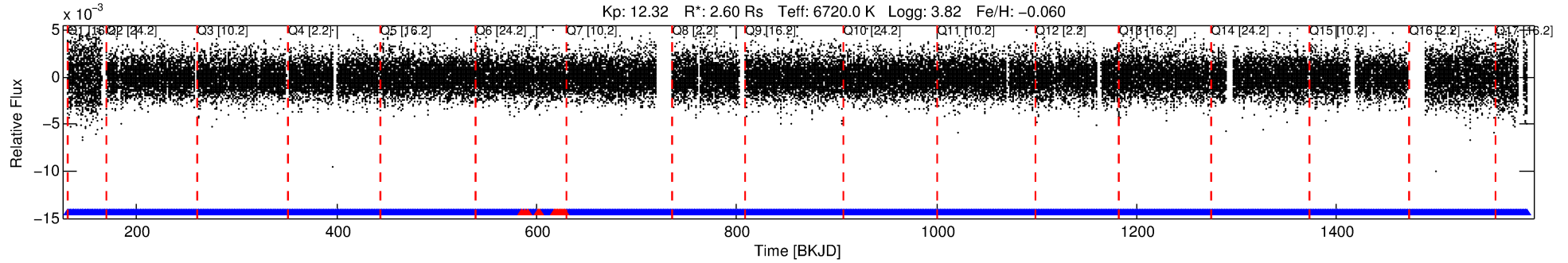
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011759297-01

No Significant Match Found

DV One-Page Summary

KIC: 11759297 Candidate: 1 of 3 Period: 1.060 d



DV Fit Results:

Period = 1.05994 [0.00001] d
Epoch = 131.7969 [0.0029] BKJD
Rp/R* = 0.0117 [0.0046]
a/R* = 1.33 [1.30]
b = 0.73 [1.46]
Seff = 21400.42 [15637.49]
Teq = 3084 [563] K
Rp = 3.32 [1.95] Re
a = 0.0240 [0.0105] AU
Ag = 8.01 [8.52] [0.82σ]
Teffp = 8023 [1611] K [2.89σ]

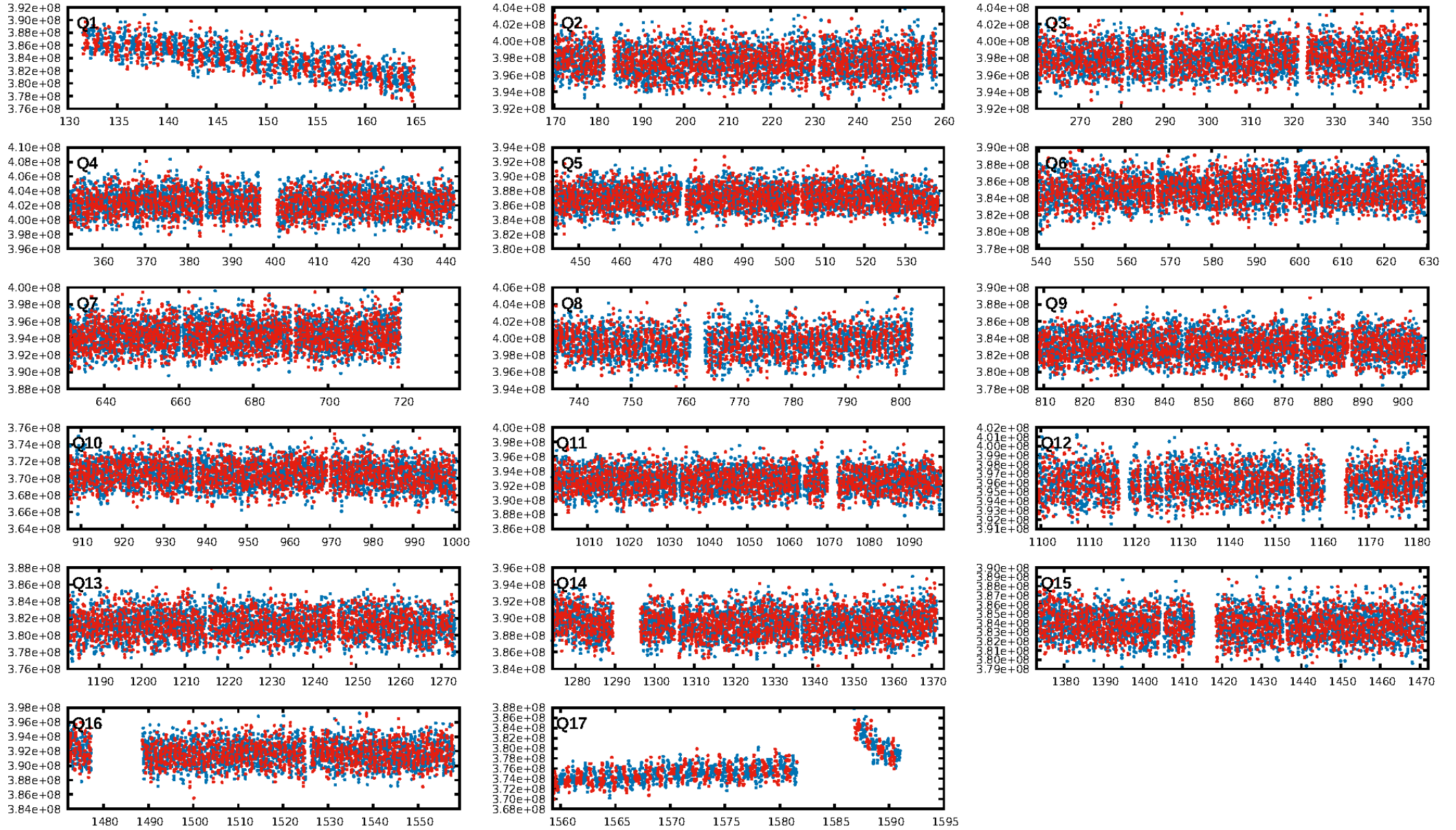
DV Diagnostic Results:

ShortPeriod-sig: 97.1% [2.18σ]
LongPeriod-sig: 100.0% [161.13σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.99 [1197/1212]
GhostDiagnostic-chr: 1.633
Centroid-sig: 2.7%
Centroid-so: 0.252 arcsec [2.94σ]
OotOffset-rm: 0.085 arcsec [0.87σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-rm: 0.156 arcsec [1.68σ]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.94 [16/17]
DiffImageOverlap-fno: 0.00 [0/17]

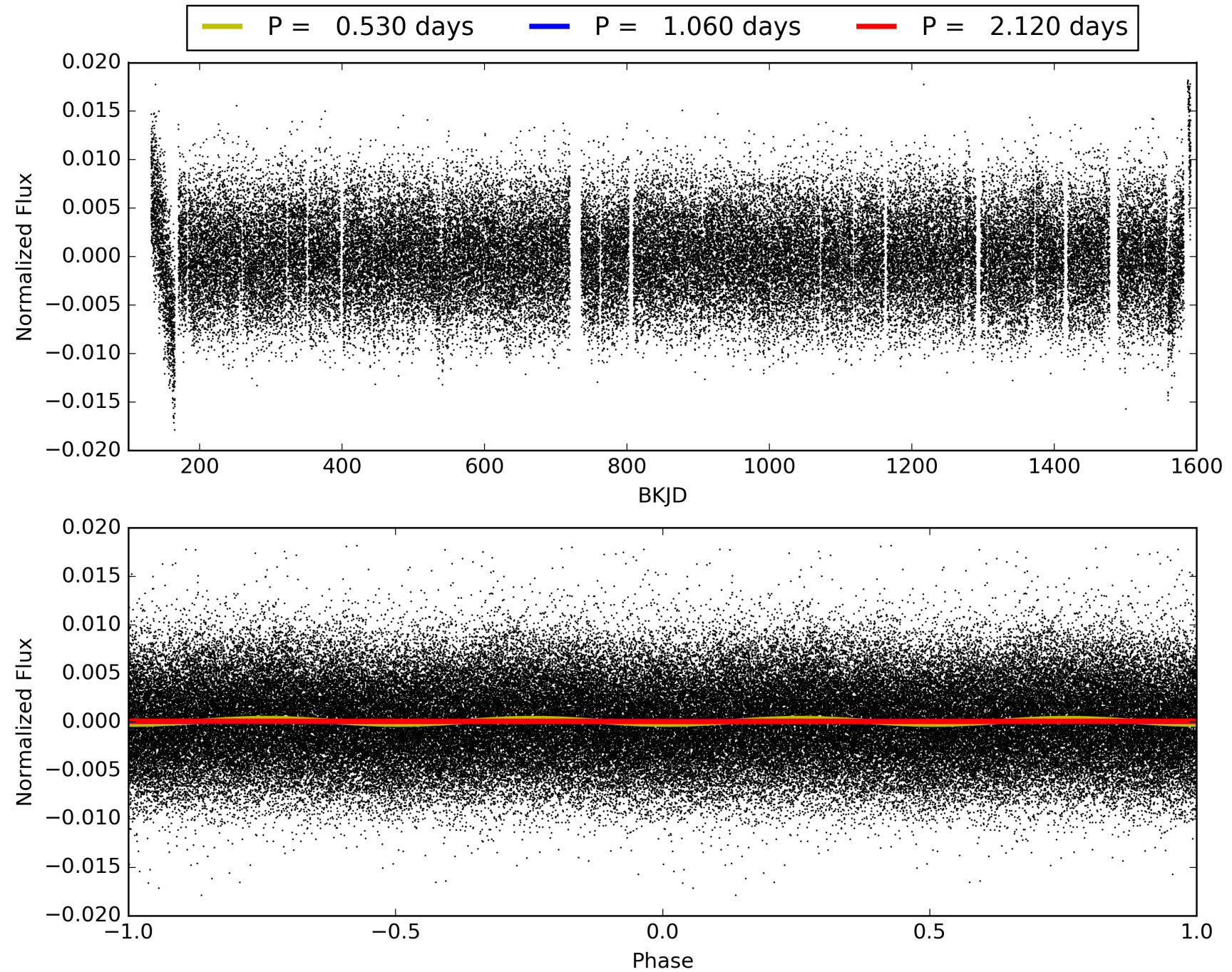
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:56:57 Z

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

TCE 011759297-01, PDC Light Curves

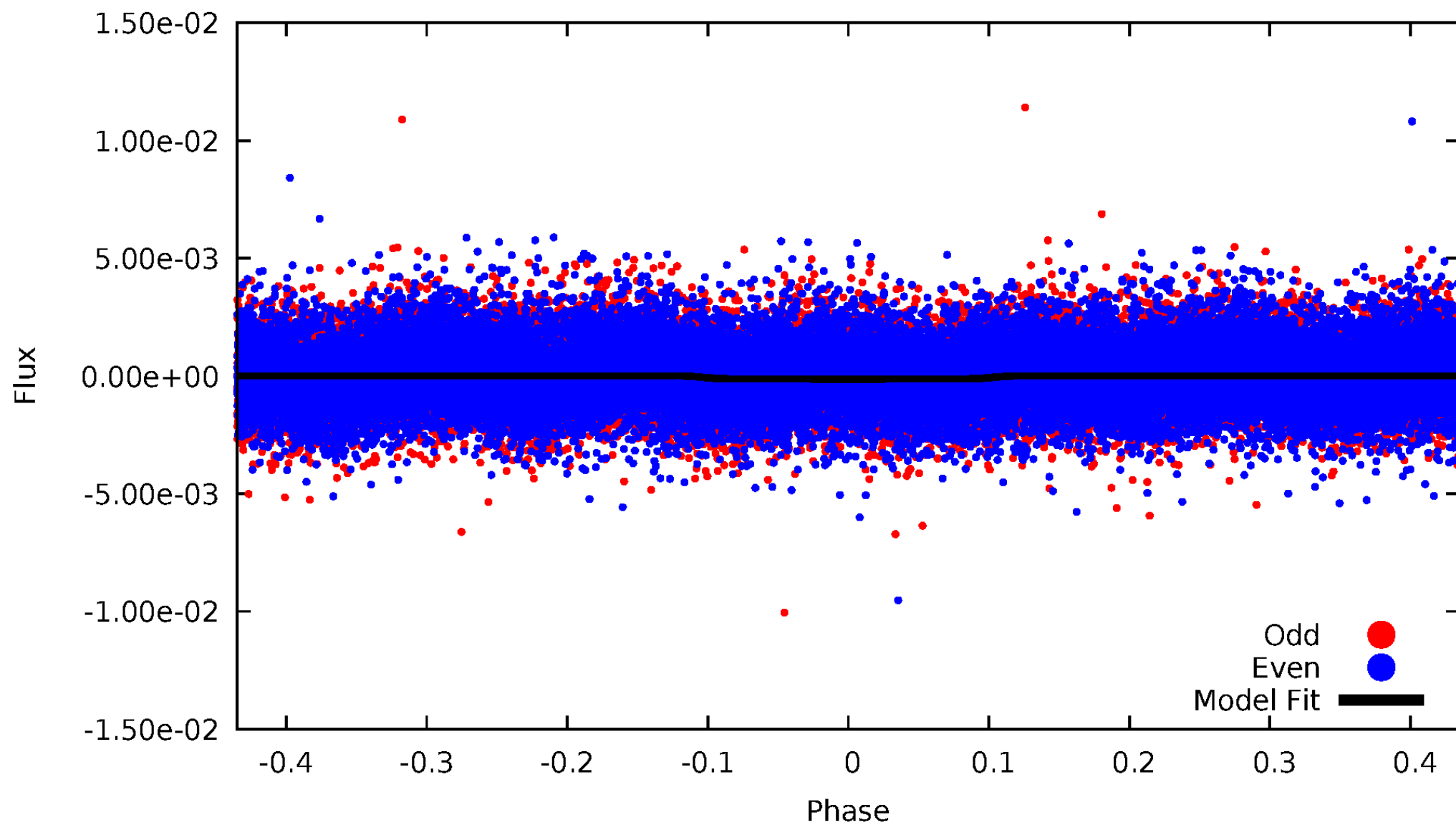


TCE 011759297-01



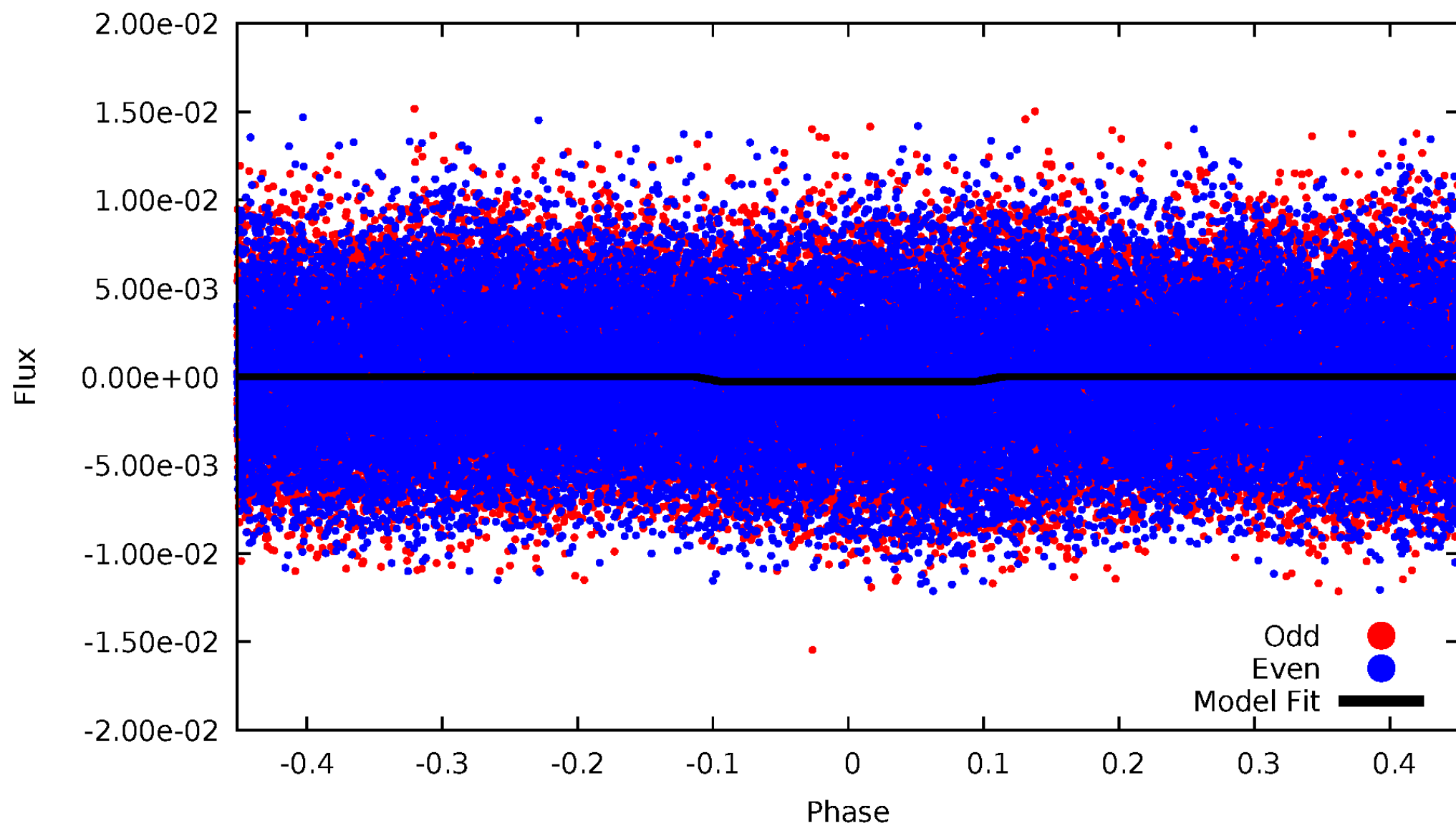
DV Odd/Even

TCE 011759297-01



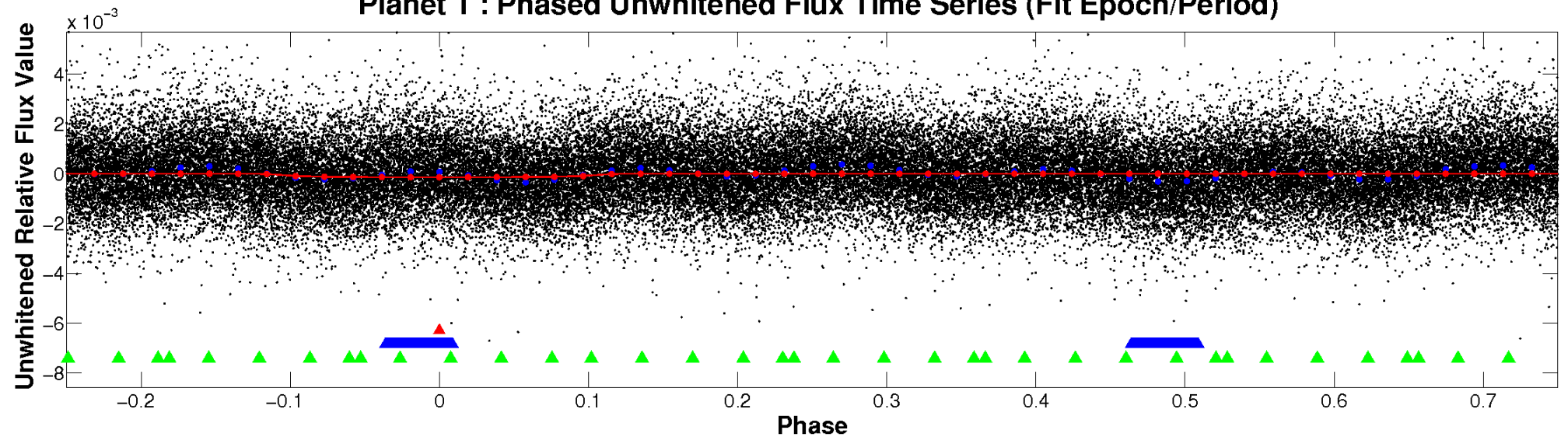
ALT Odd/Even

TCE 011759297-01

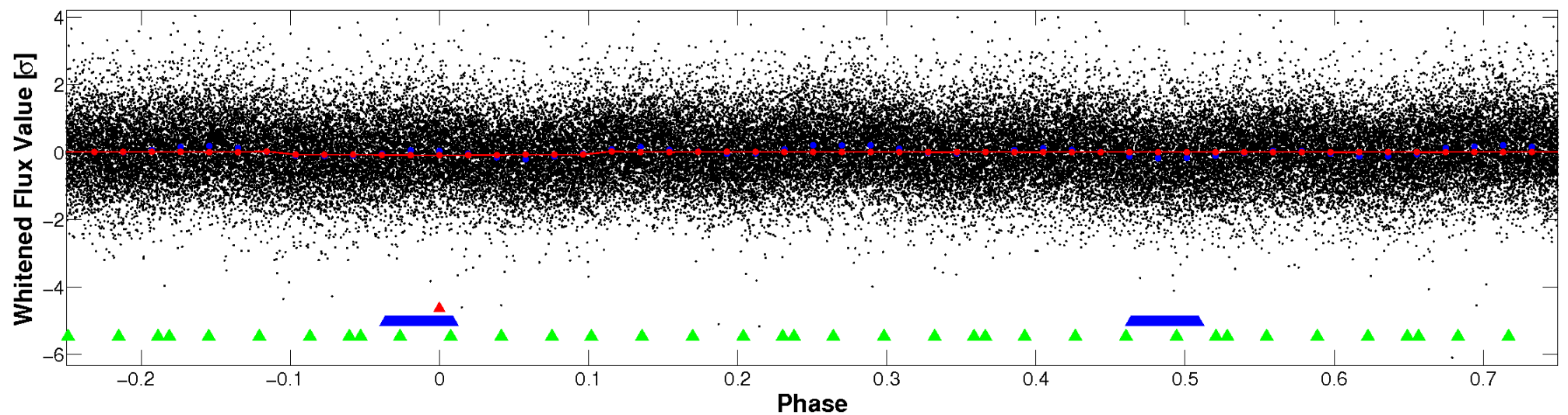


Non-Whitened Vs. Whitened Light Curve

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

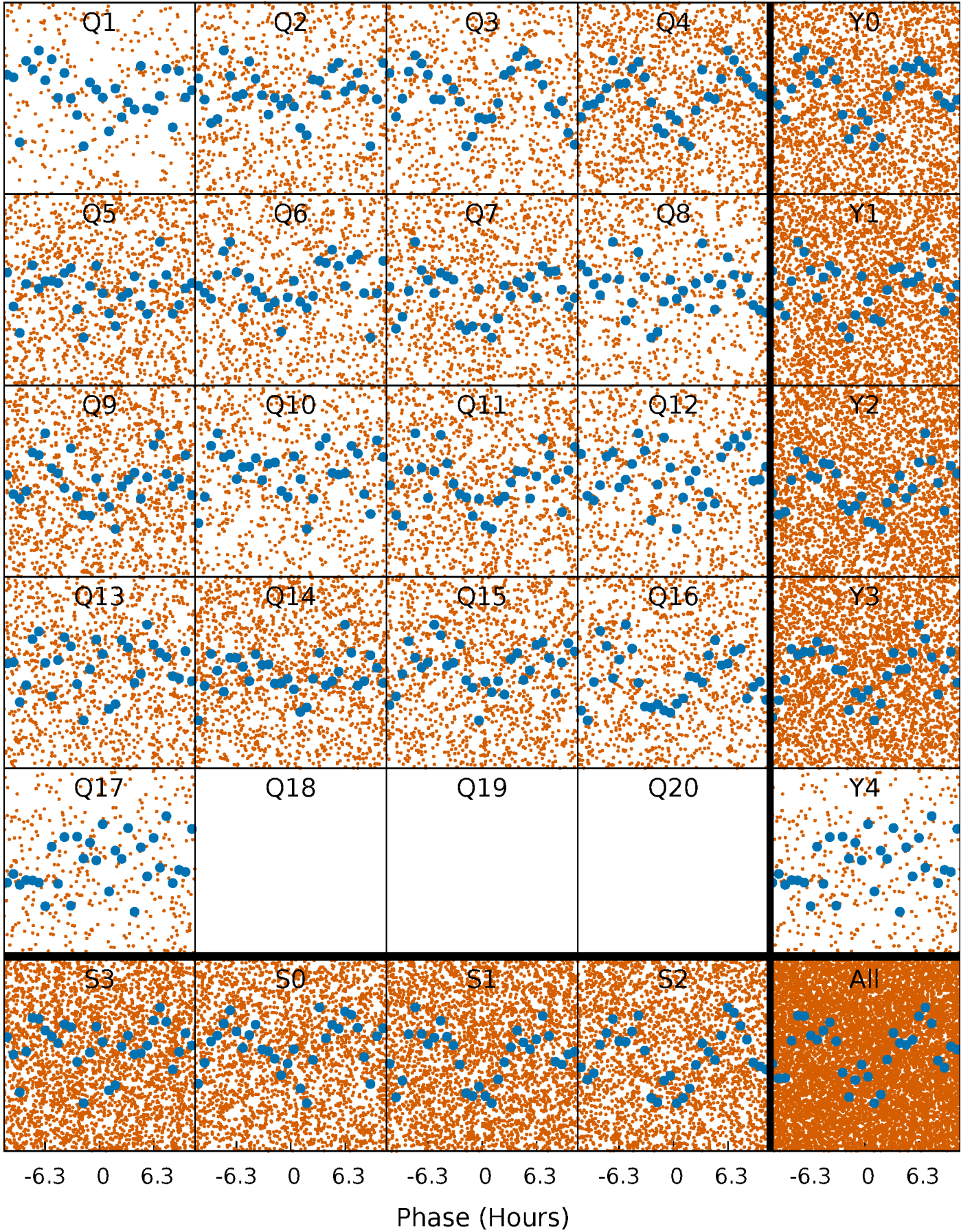


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



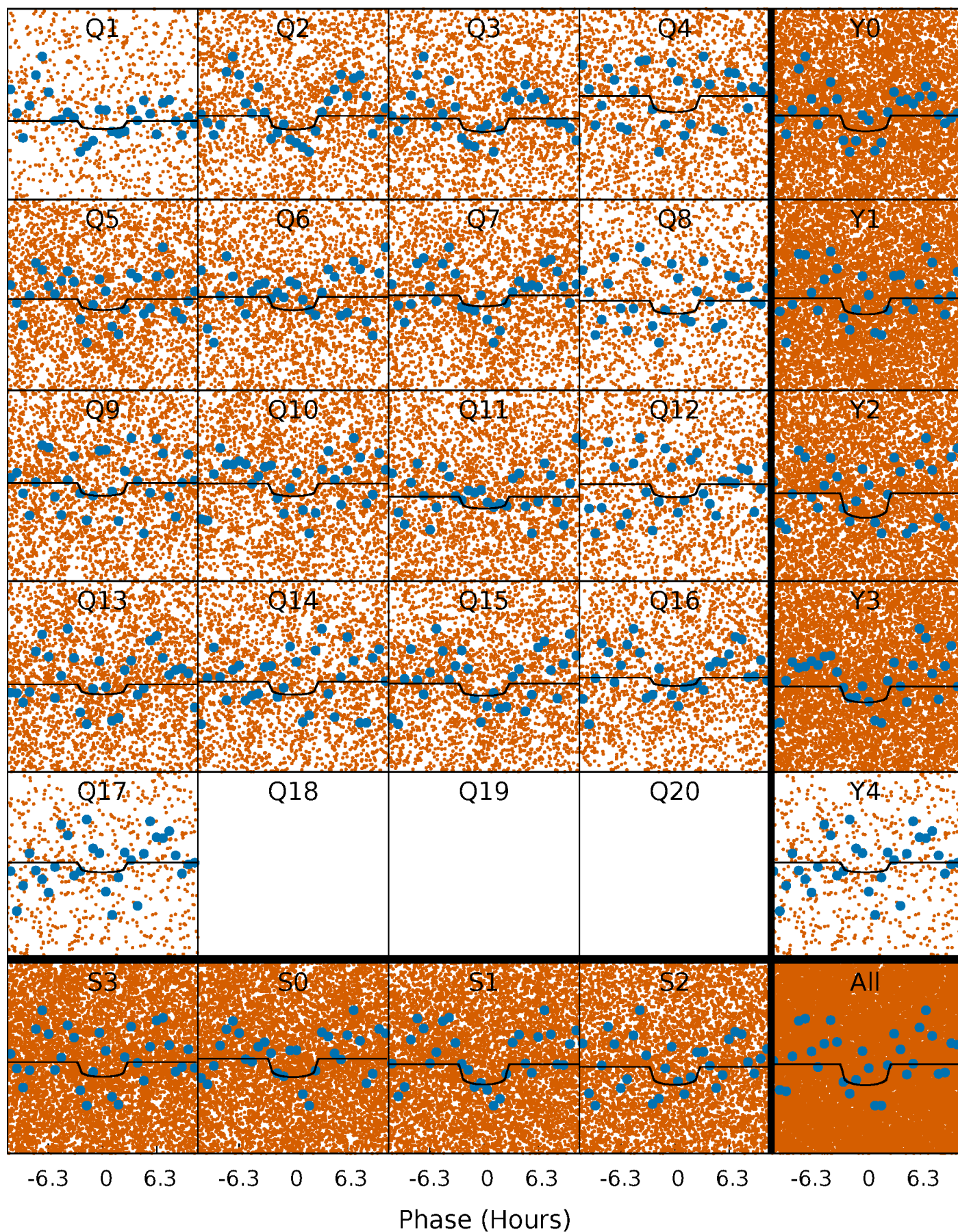
PDC Quarter-Phased Transit Curves

TCE 011759297-01 P= 1.059940 Days $T_0=131.796914$ (BKJD)



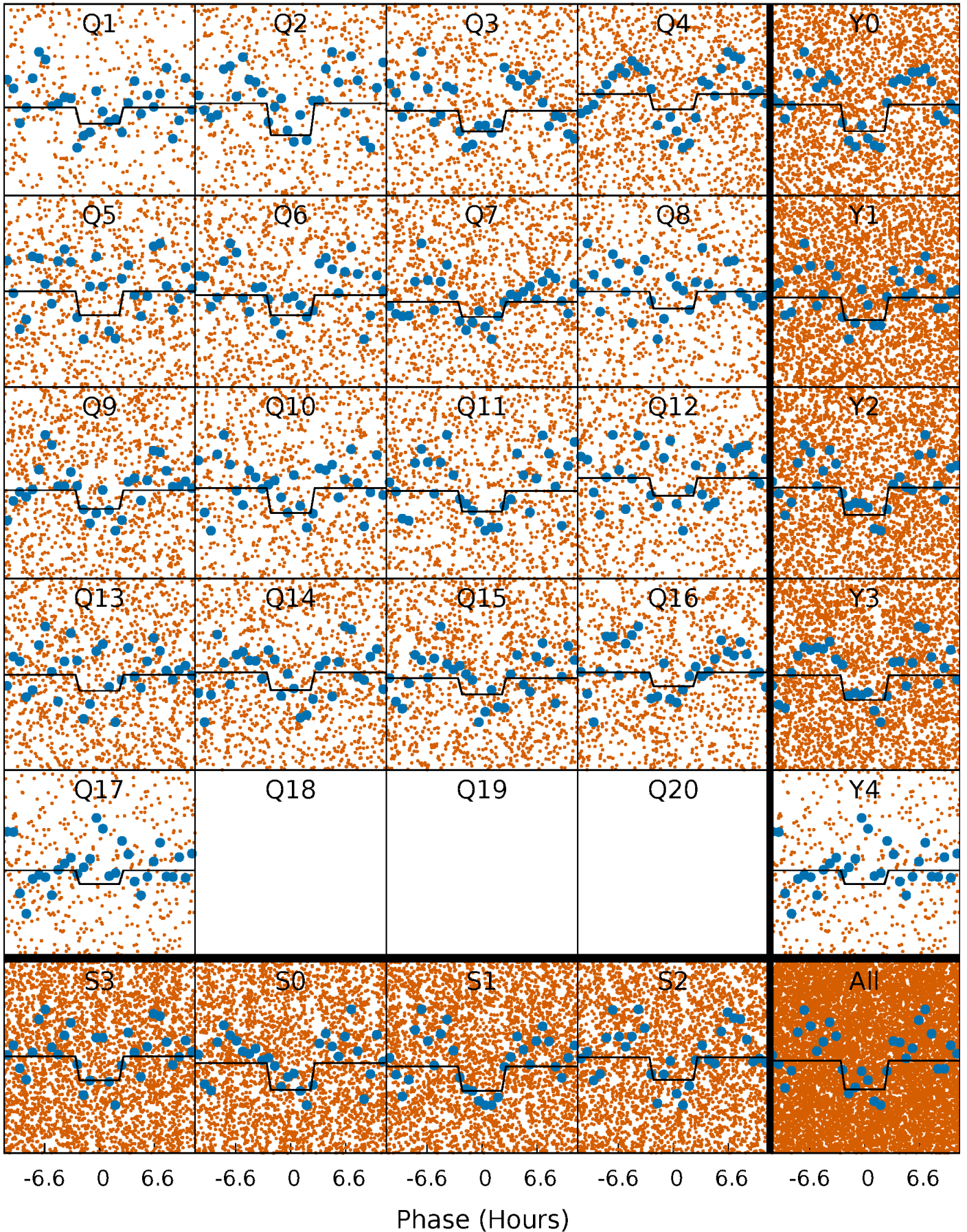
DV Quarter-Phased Transit Curves

TCE 011759297-01 P= 1.059940 Days $T_0=131.796914$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

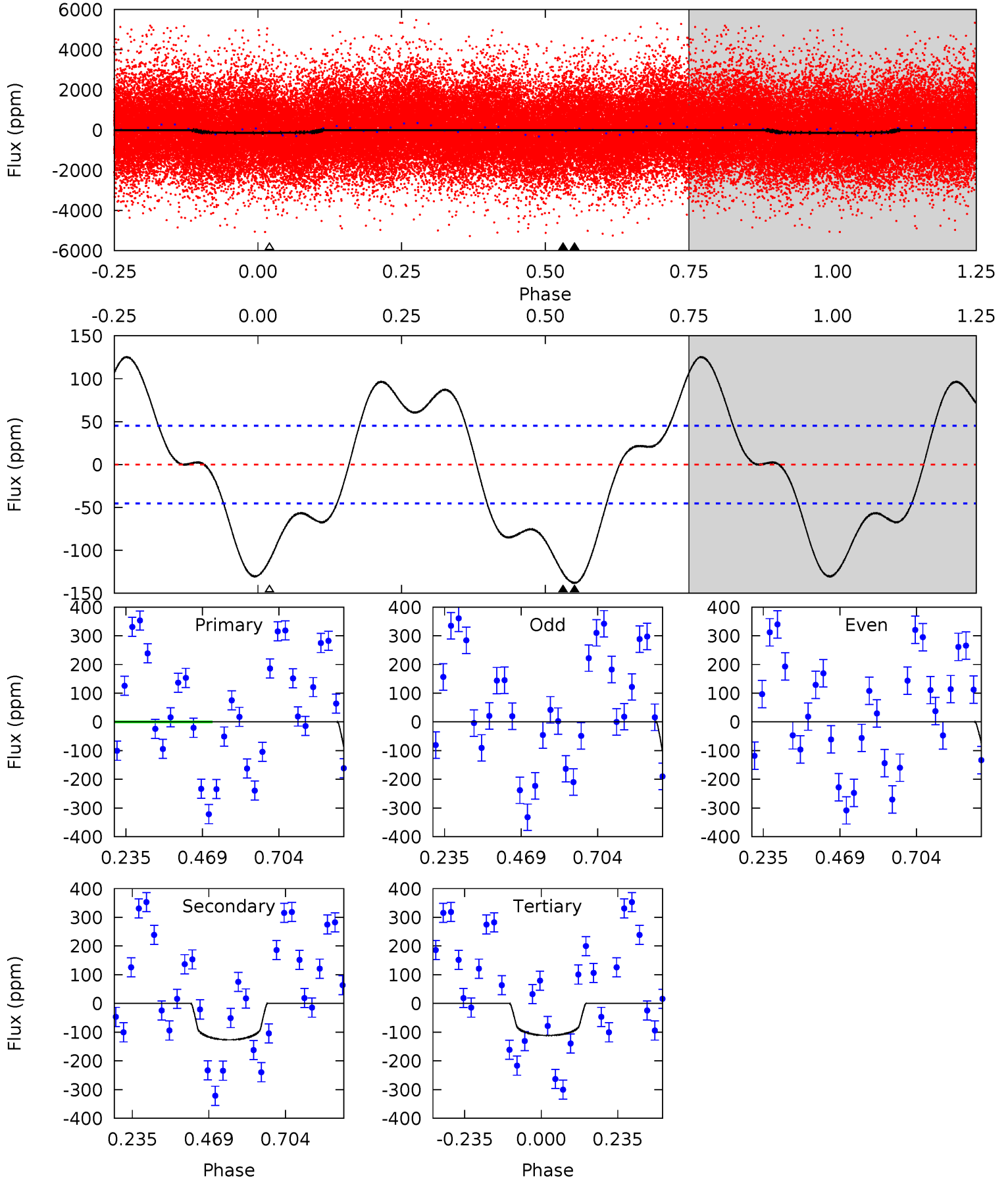
TCE 011759297-01 P= 1.059920 Days $T_0=131.802579$ (BKJD)



DV Model-Shift Uniqueness Test

011759297-01, P = 1.059940 Days, E = 130.736974 Days

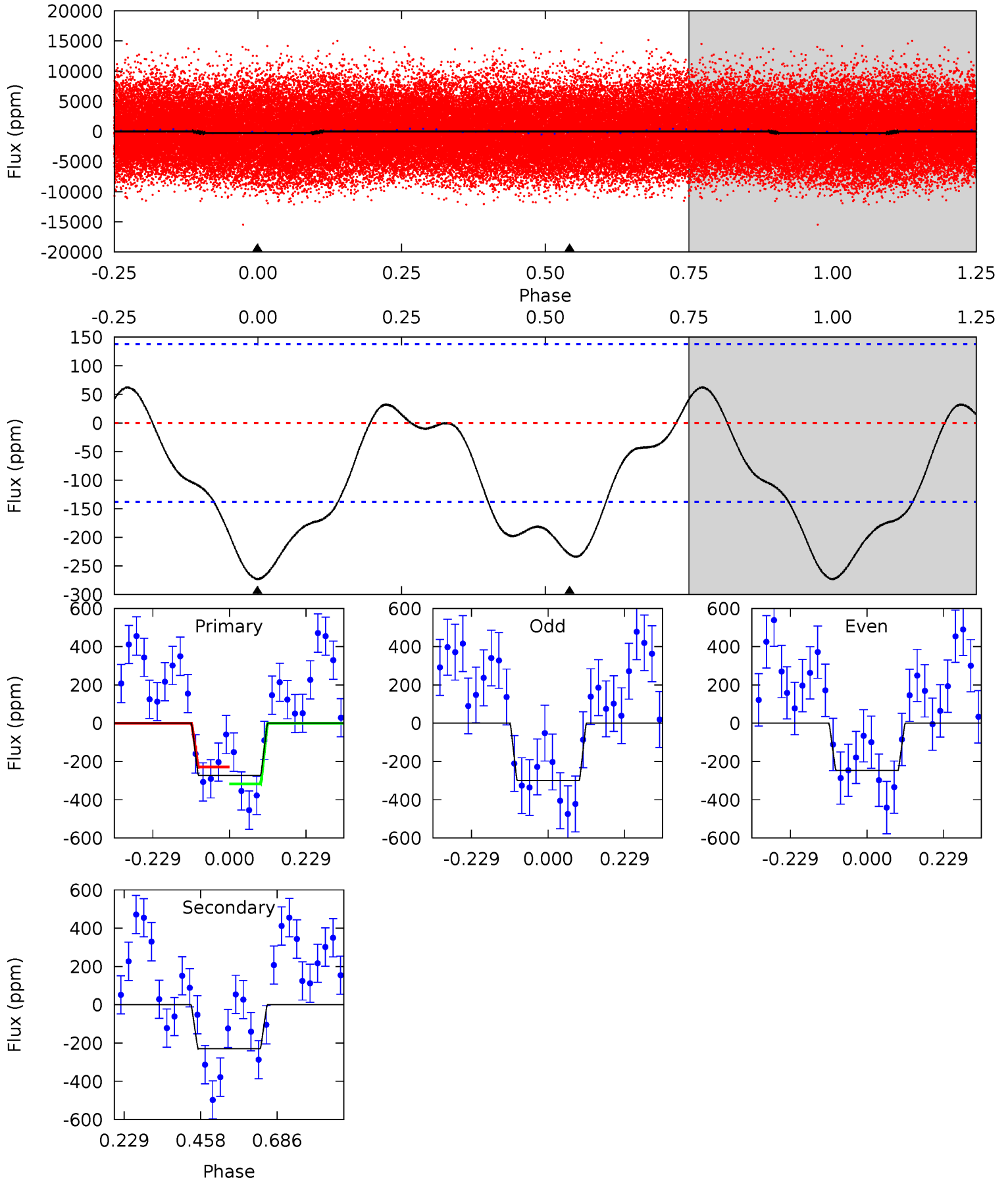
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
13.4	12.3	10.8	0	4.38	1.19	6.89	2.55	13.4	1.46	12.3	2.41	0.97	0.48	4.74



Alt Model-Shift Uniqueness Test

011759297-01, P = 1.059920 Days, E = 130.742659 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.69	7.31	0	0	4.39	1.20	0.66	8.69	8.69	7.31	7.31	0.85	1.15	0.19	1.35



Stellar Parameters For KIC 011759297

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6720^{+190}_{-261}	$3.824^{+0.424}_{-0.132}$	$-0.060^{+0.250}_{-0.300}$	$2.598^{+0.528}_{-1.144}$	$1.641^{+0.198}_{-0.430}$	$0.132^{+0.512}_{-0.050}$
	+3%/-4%	+11%/-3%	+417%/-500%	+20%/-44%	+12%/-26%	+388%/-38%
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 011759297-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-127 ± 10	$2.93^{+1.51}_{-1.31}$	4199^{+349}_{-482}	6529^{+2524}_{-1148}	$4.635^{+10.569}_{-2.597}$
Alt.	-230 ± 31	$4.41^{+1.50}_{-1.45}$	4214^{+319}_{-456}	6196^{+1252}_{-834}	$3.728^{+4.530}_{-1.726}$

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

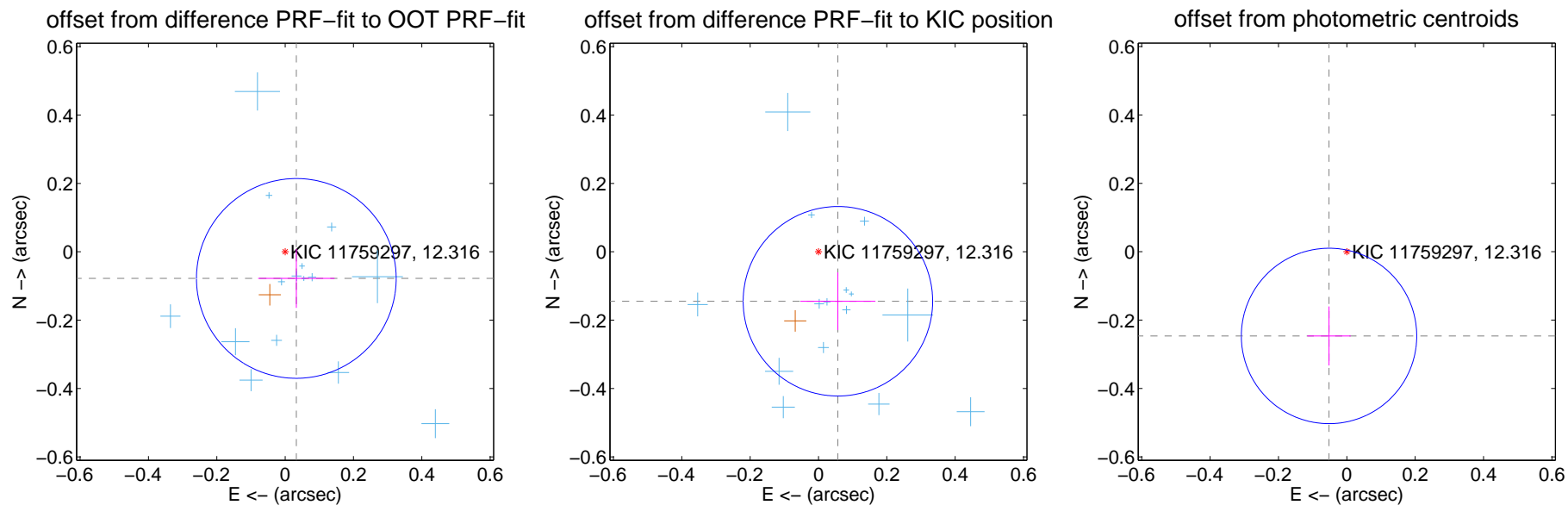
DV Centroid Data

Supplemental centroid analysis for 011759297-01. Kepler magnitude: 12.32. Transit SNR 9.56

There are 16 quarters with good PRF difference image offsets

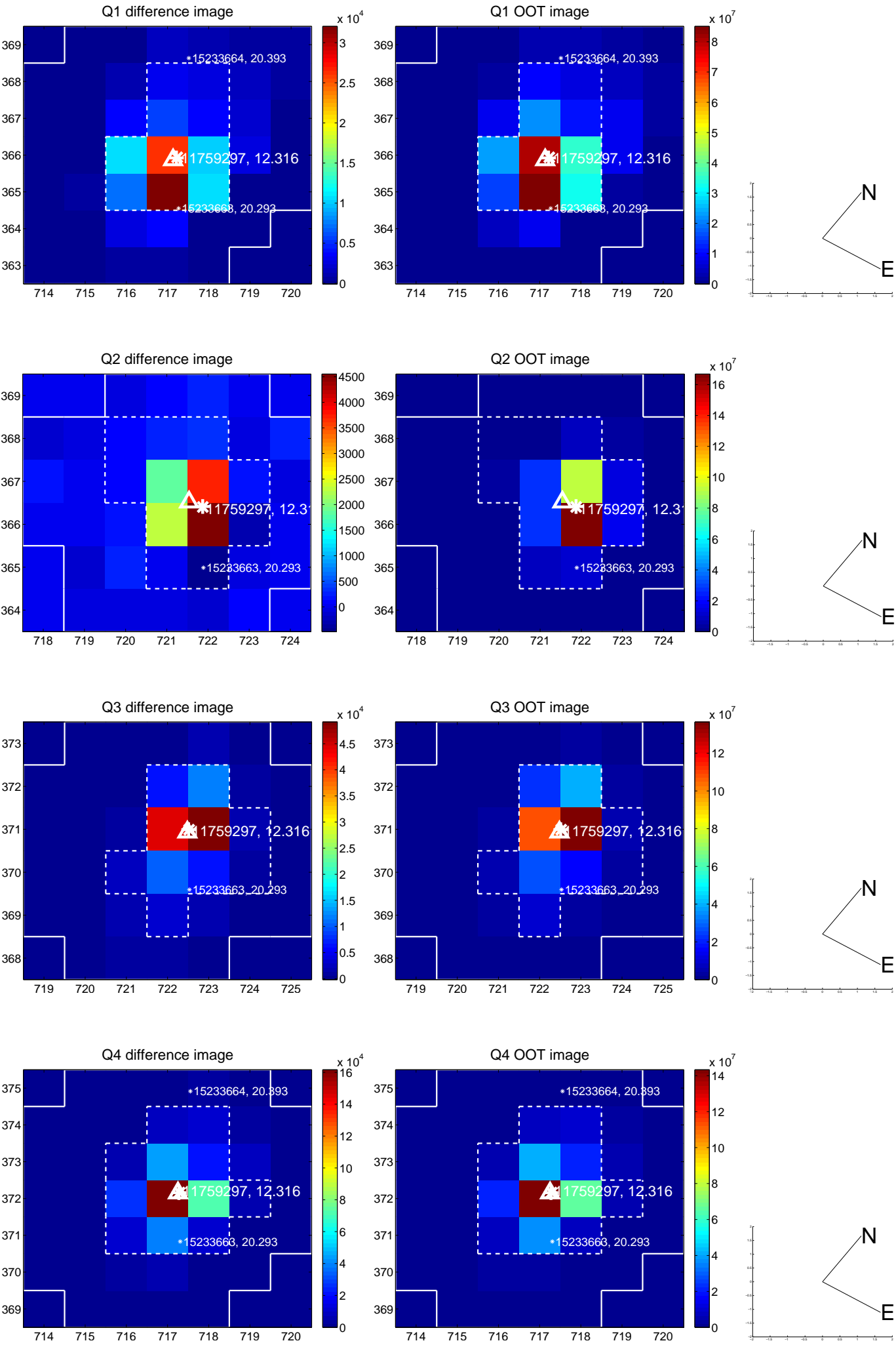
The direct PRF centroid is offset from the target star catalog position by about 0.08 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.085 ± 0.097	0.87	-0.033 ± 0.112	-0.078 ± 0.086
PRF-fit source offset from KIC position	0.156 ± 0.092	1.68	-0.057 ± 0.110	-0.145 ± 0.084
photometric centroid source offset	0.25 ± 0.09	2.94	0.05 ± 0.06	-0.25 ± 0.09

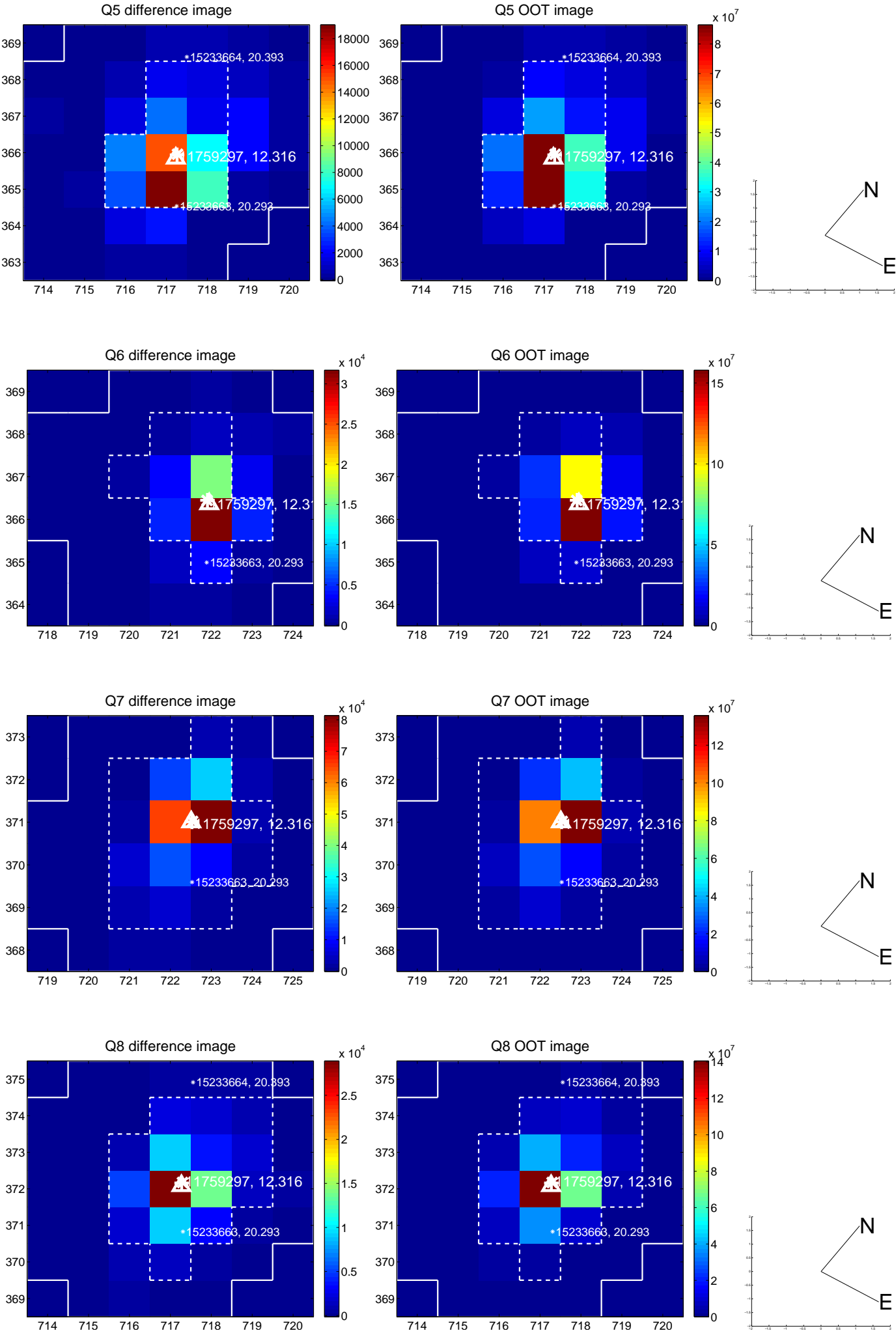


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

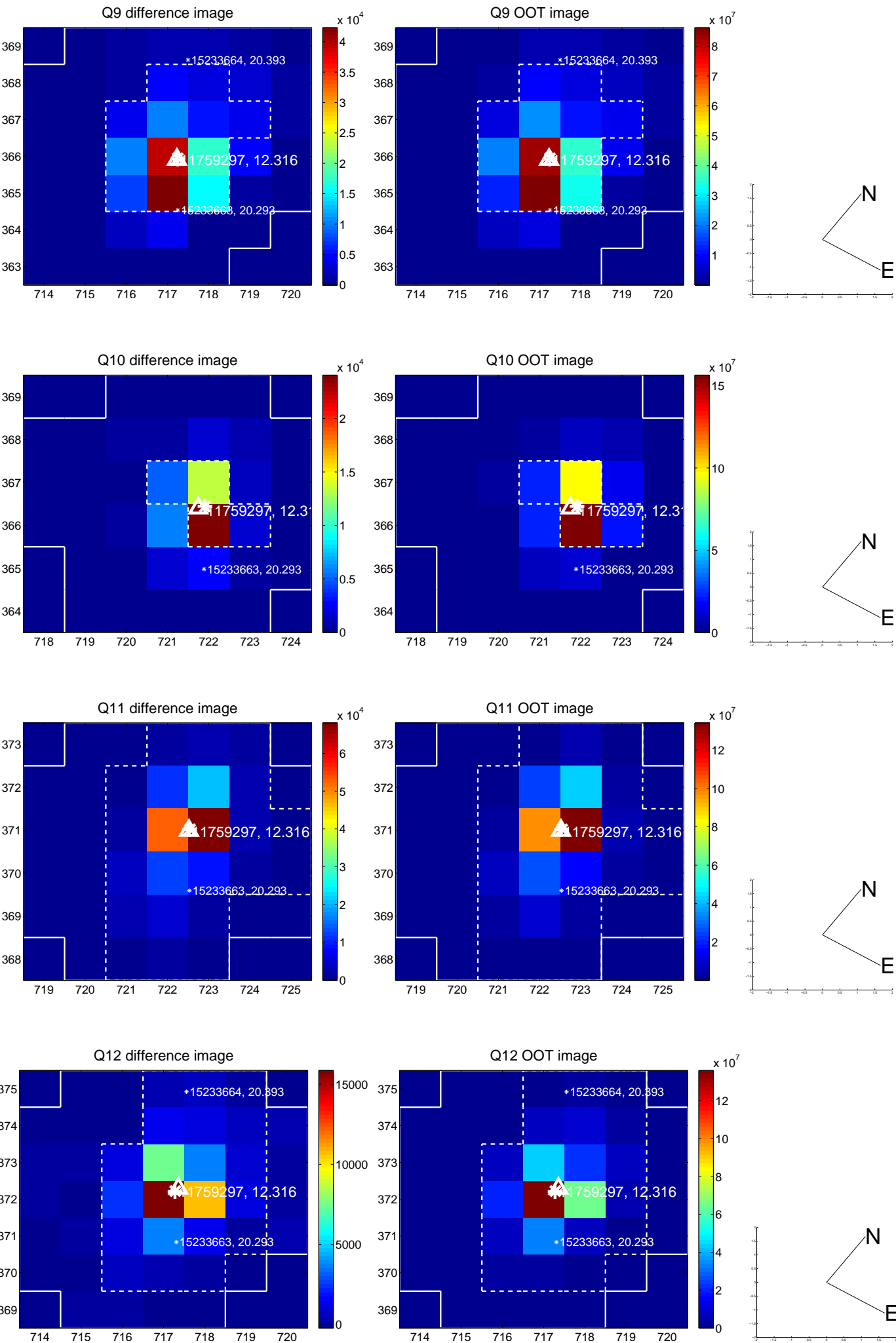
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



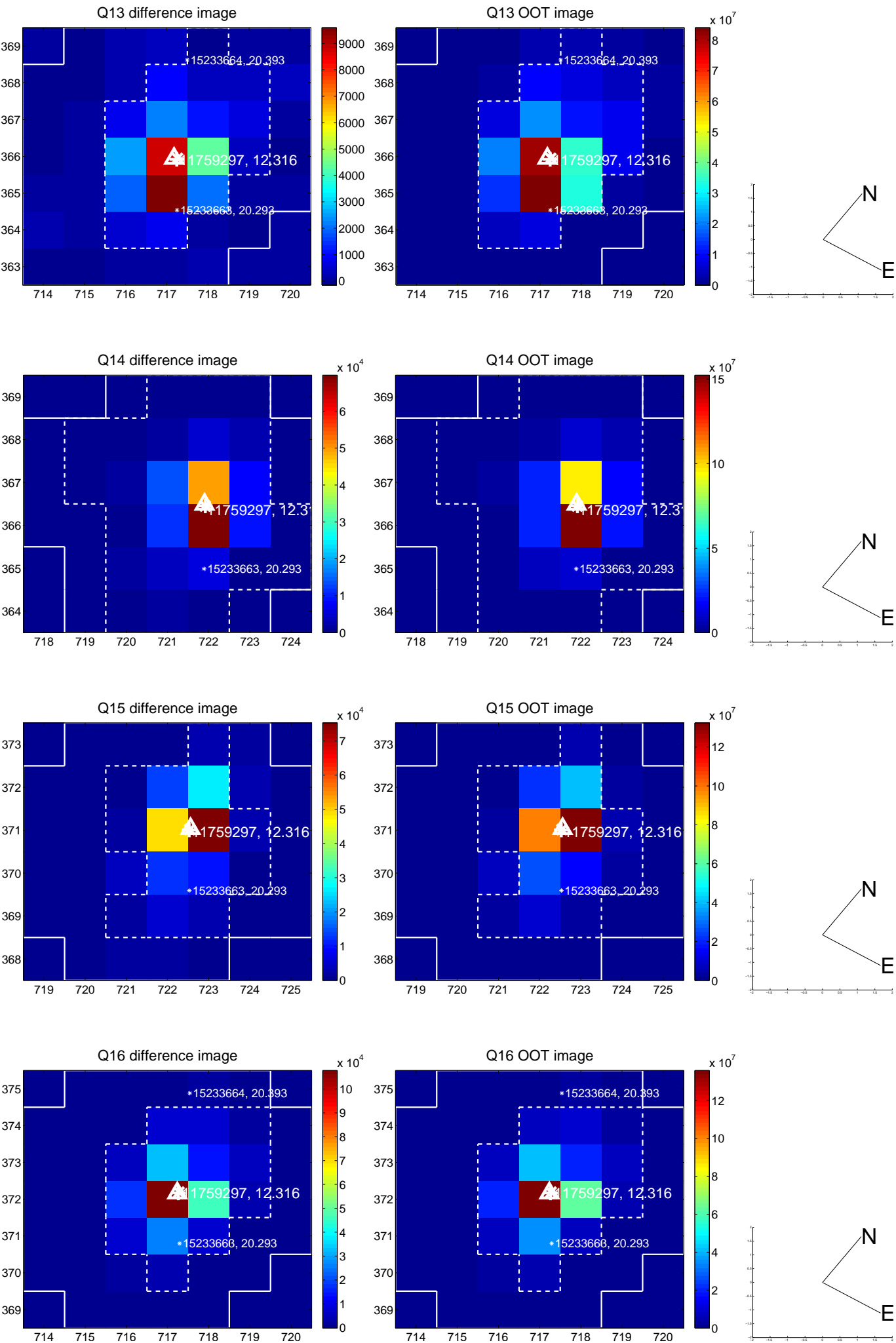
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



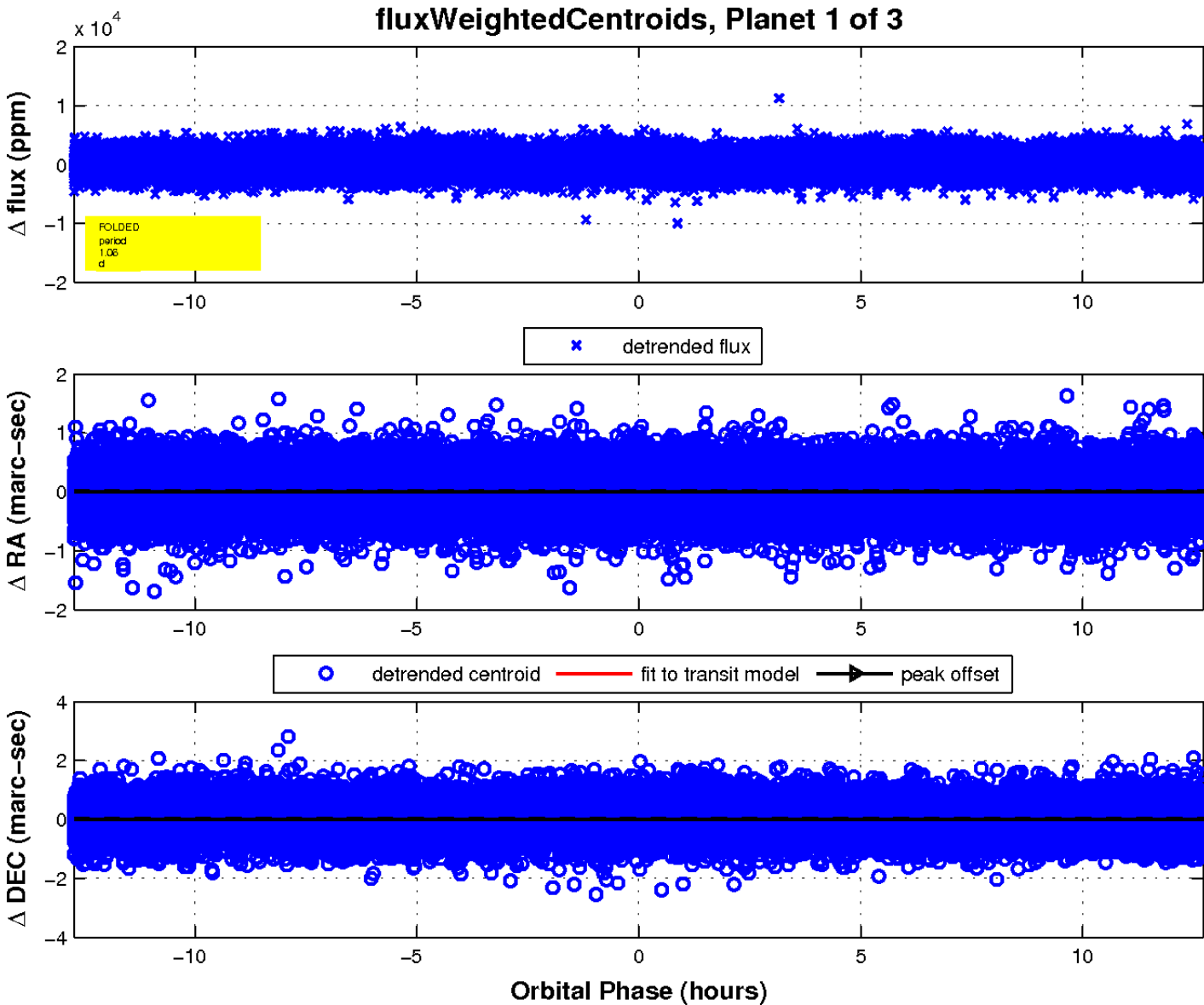
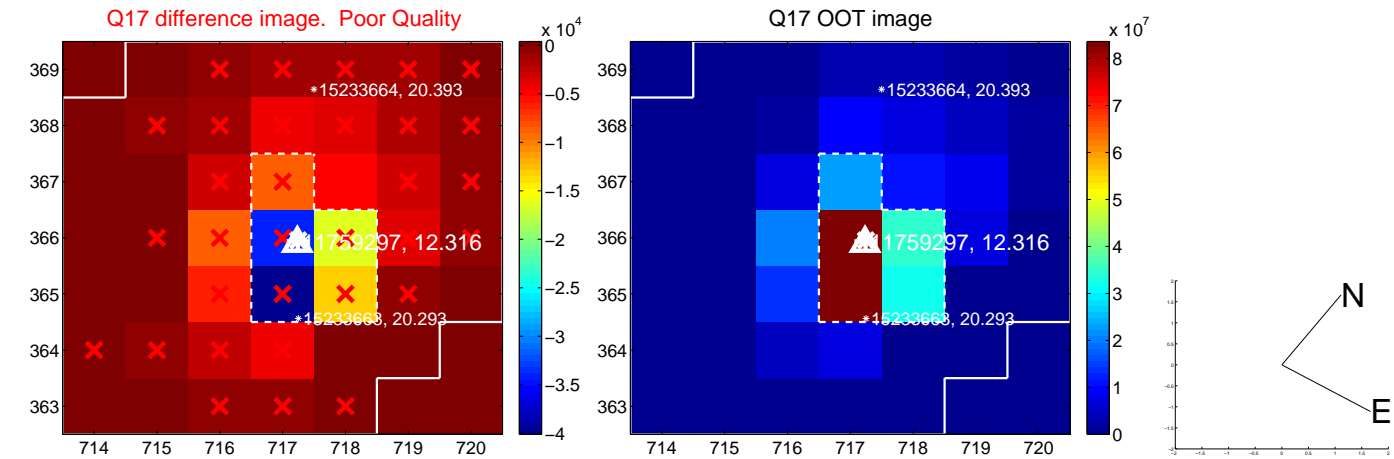
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

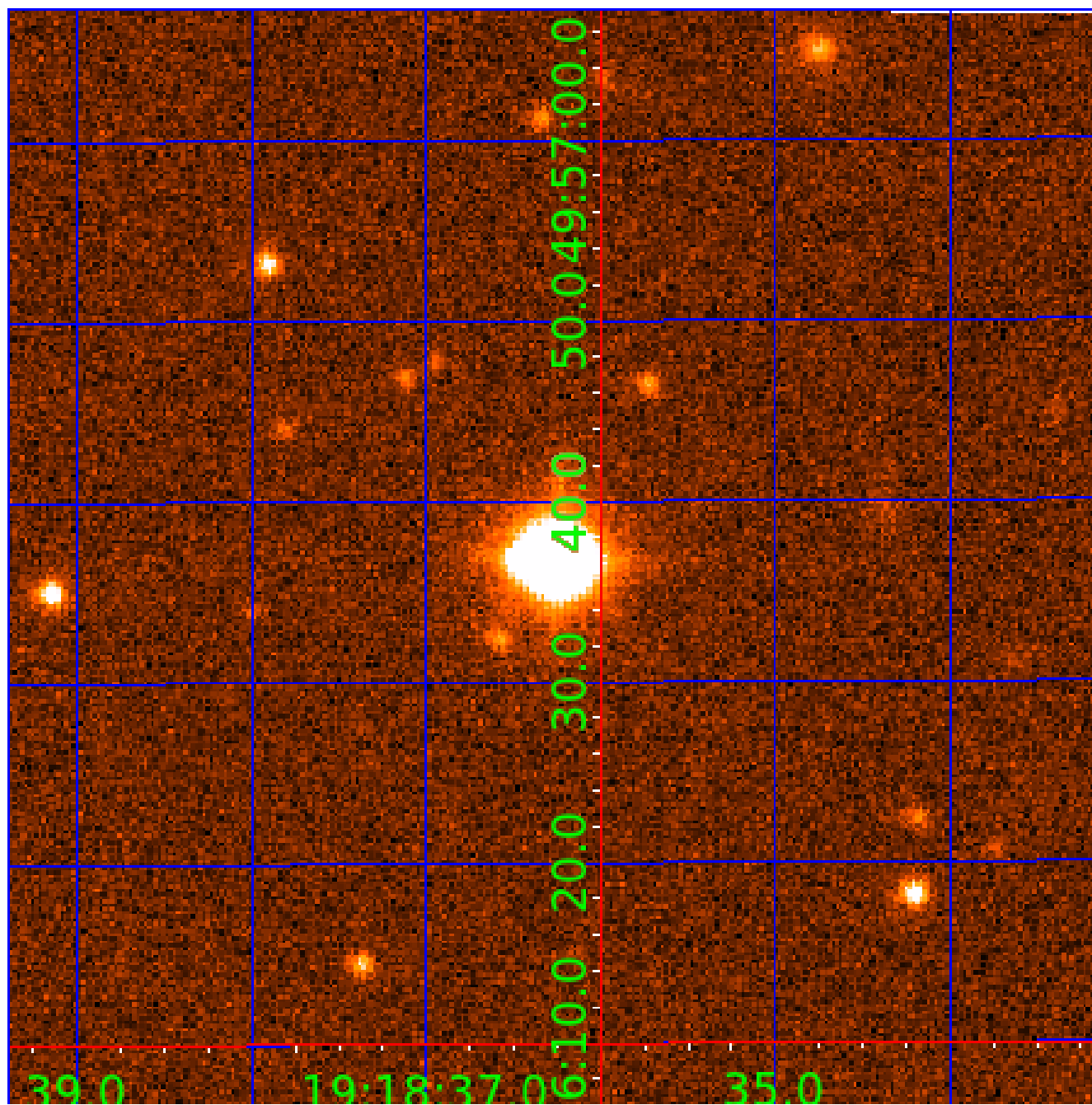


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011759297

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})
011759297-01	OBS	No	1.059940	131.796914	140.2	5.530	10.1	9.6	2.60	6720	3.31	21400.42
011759297-02	OBS	No	0.529953	131.806495	239.8	1.841	11.6	13.3	2.60	6720	4.71	53928.04
011759297-03	OBS	No	39.525781	149.135998	295.4	1.500	9.5	-1.0	2.60	6720	4.52	171.77

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011759297-01	OBS	FP	0.00	1	0	0	0	LPP_DV—MOD_NONUNIQ_DV
011759297-02	OBS	FP	0.00	1	0	0	0	TRANS_GAPPED—LPP_DV—LPP_ALT—NO_FITS—SAME_NTL_PERIOD
011759297-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_NOFITS

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

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

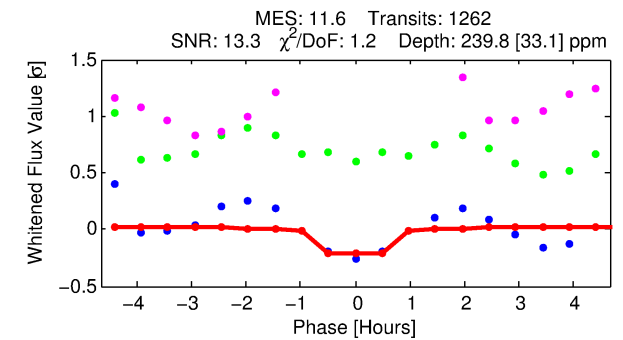
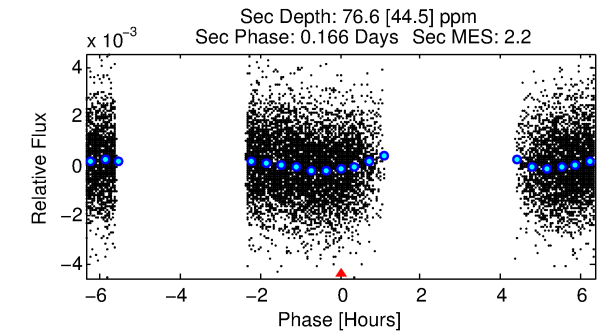
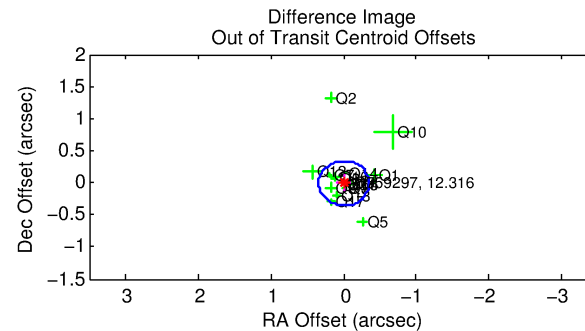
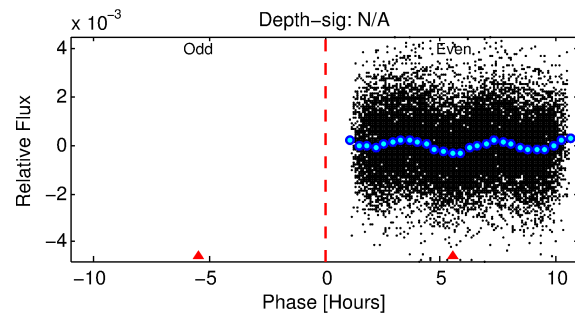
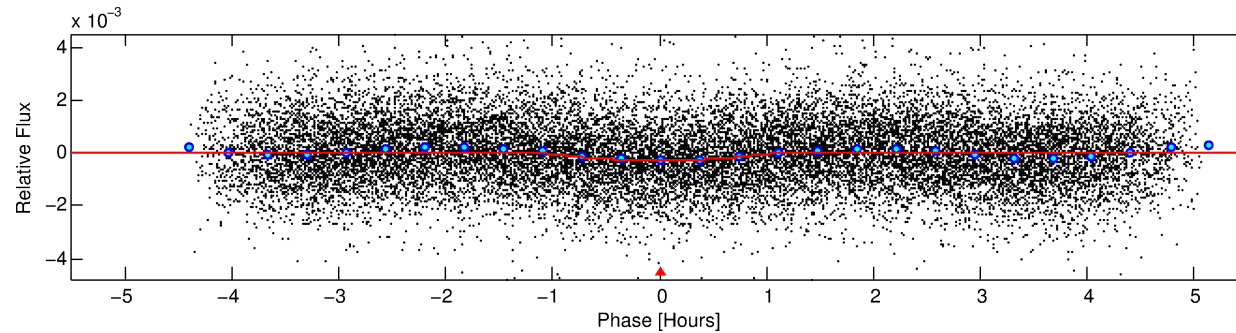
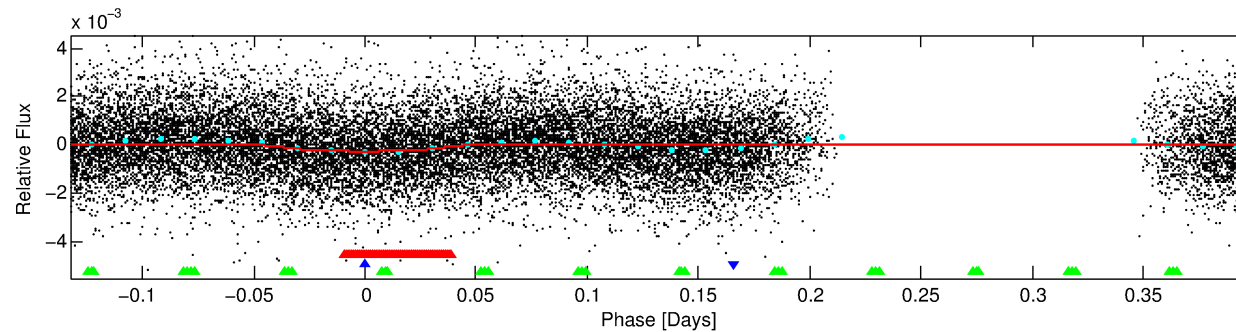
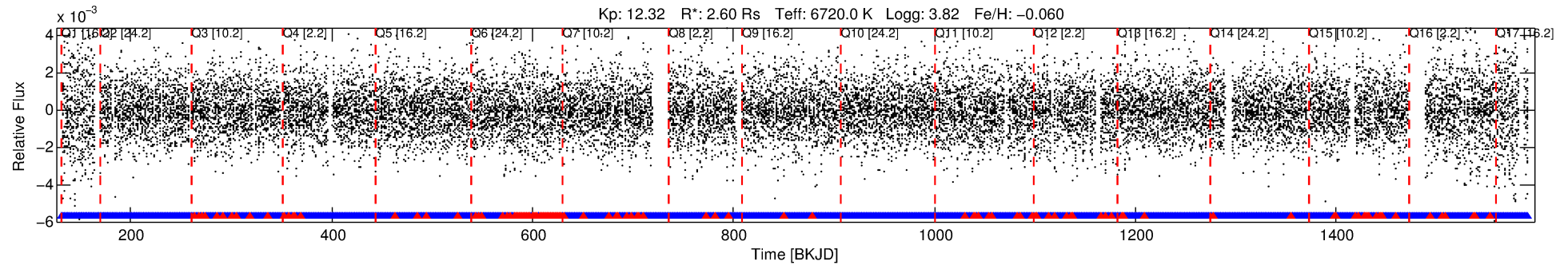
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011759297-02

No Significant Match Found

DV One-Page Summary

KIC: 11759297 Candidate: 2 of 3 Period: 0.530 d



DV Fit Results:

Period = 0.52995 [0.00001] d
Epoch = 131.8065 [0.0018] BKJD
Rp/R* = 0.0166 [0.0050]
a/R* = 1.39 [1.15]
b = 0.90 [0.35]
Seff = 53928.04 [39405.75]
Teq = 3886 [710] K
Rp = 4.71 [2.51] Re
a = 0.0151 [0.0066] AU
Ag = 0.43 [0.48] [-1.19σ]
Teffp = 4875 [1037] K [0.79σ]

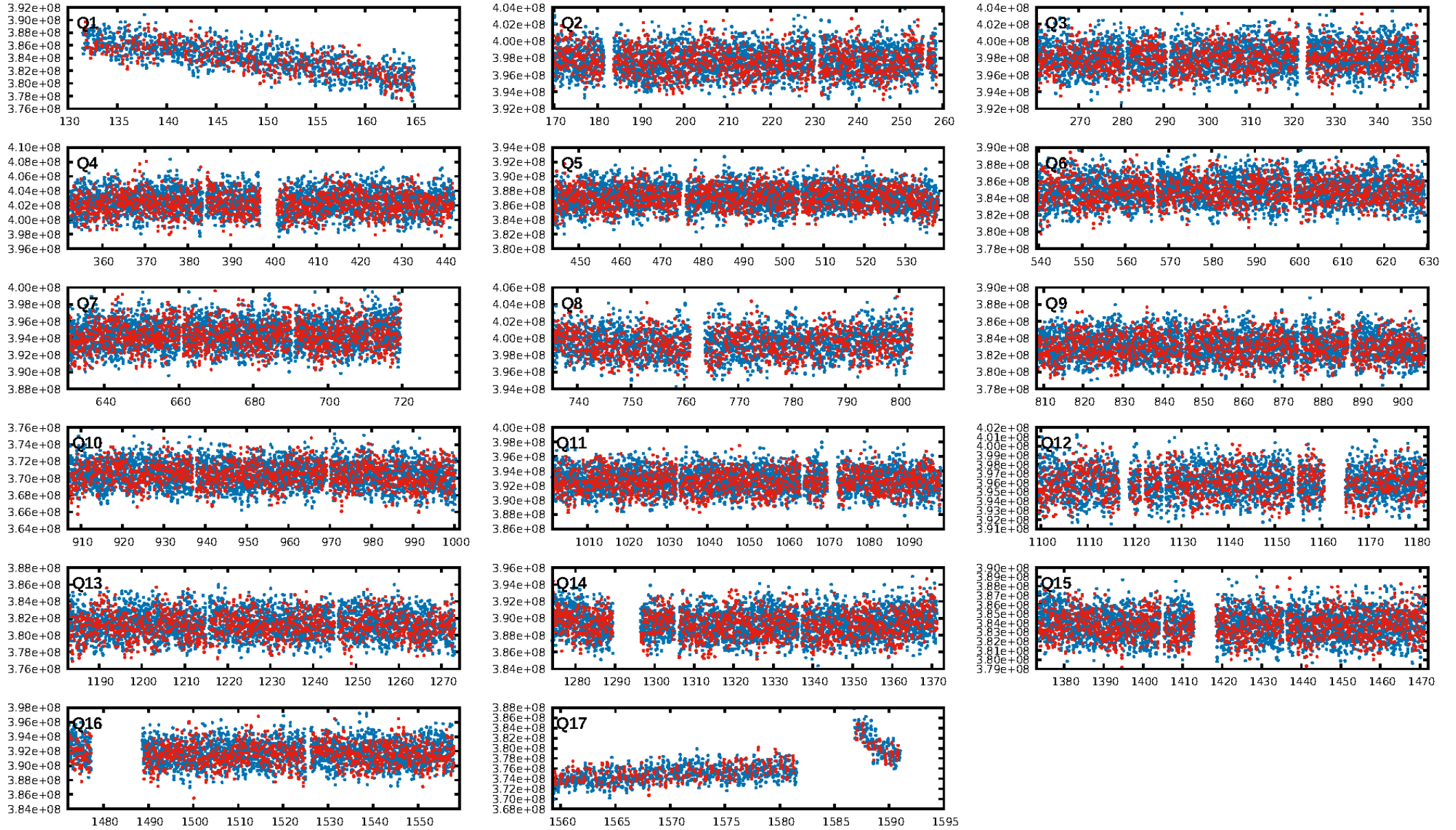
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 97.1% [2.18σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.90 [1081/1206]
GhostDiagnostic-chr: 1.218
Centroid-sig: 0.0%
Centroid-so: 0.273 arcsec [4.71σ]
OotOffset-rm: 0.011 arcsec [0.09σ]
KicOffset-rm: 0.072 arcsec [0.57σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.65 [11/17]
DiffImageOverlap-fno: 1.00 [17/17]

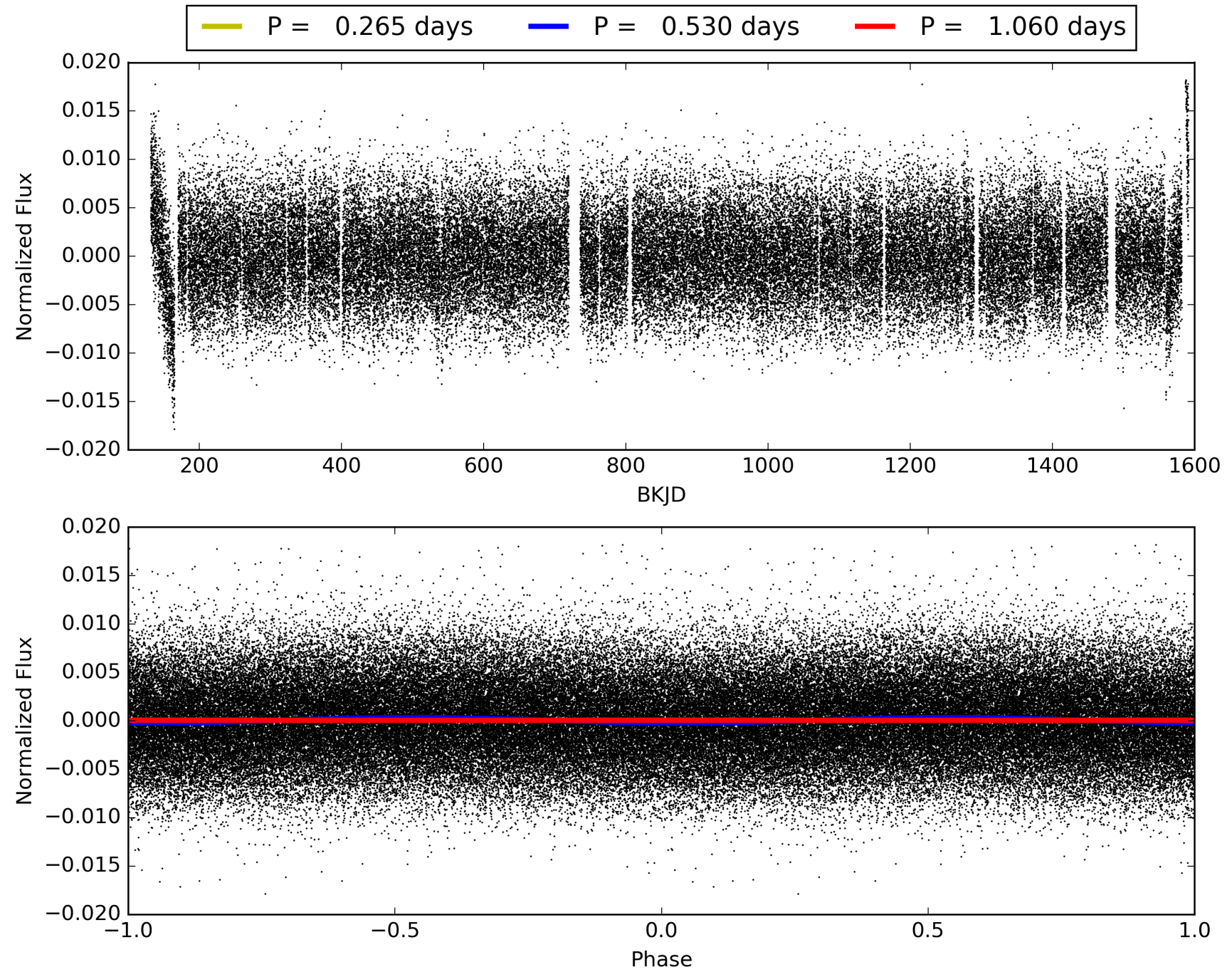
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:57:10 Z

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

TCE 011759297-02, PDC Light Curves

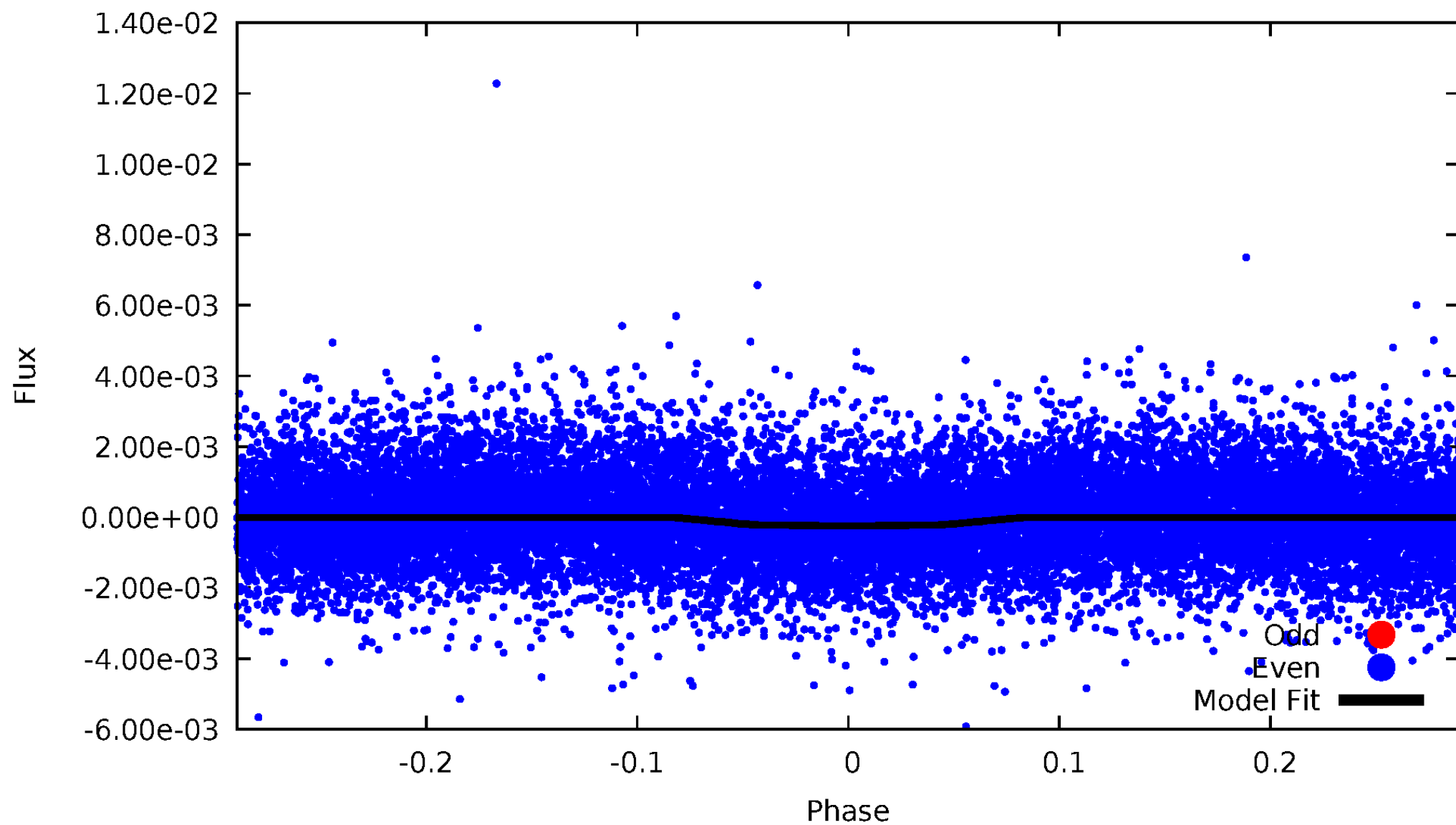


TCE 011759297-02



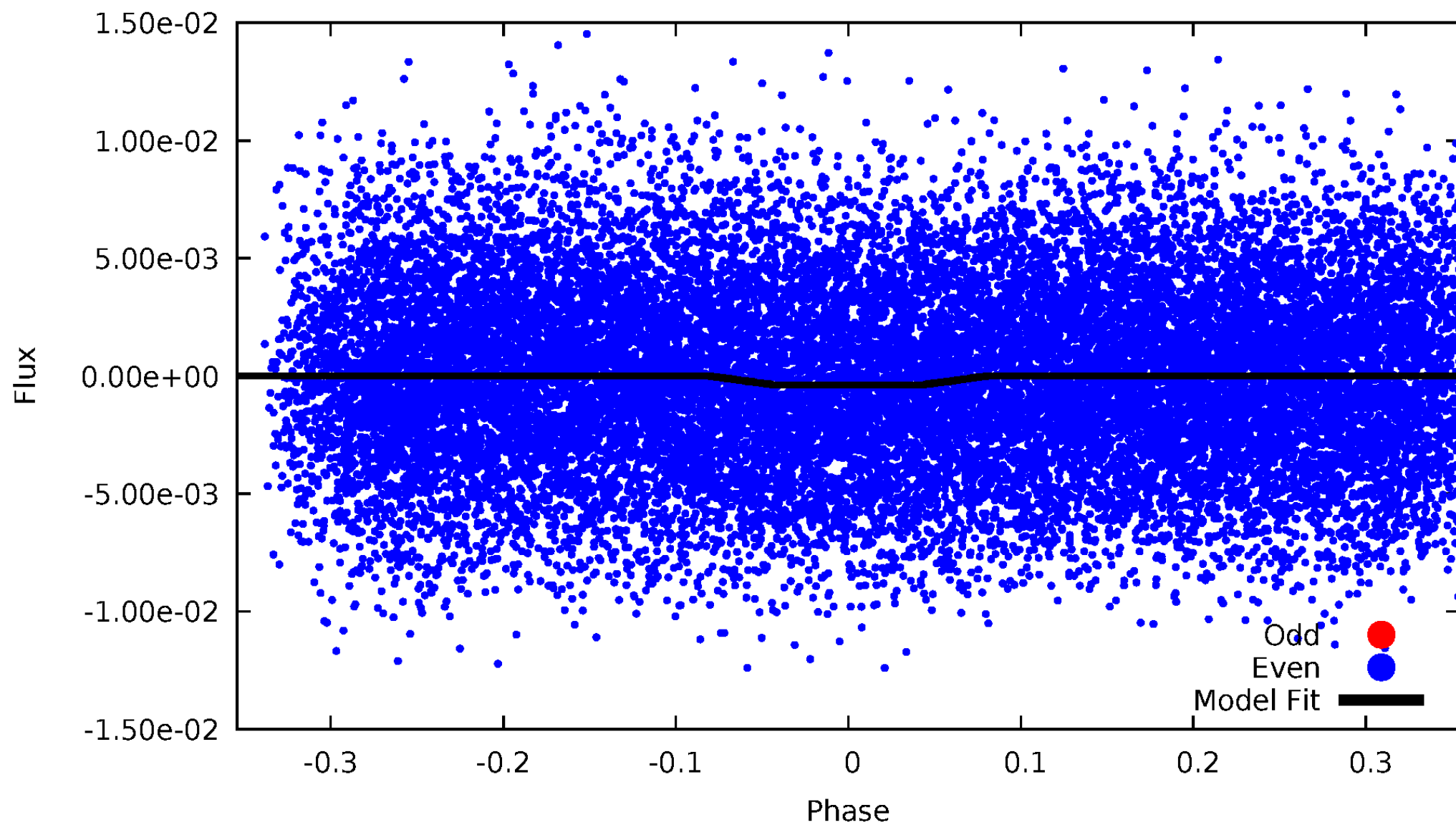
DV Odd/Even

TCE 011759297-02



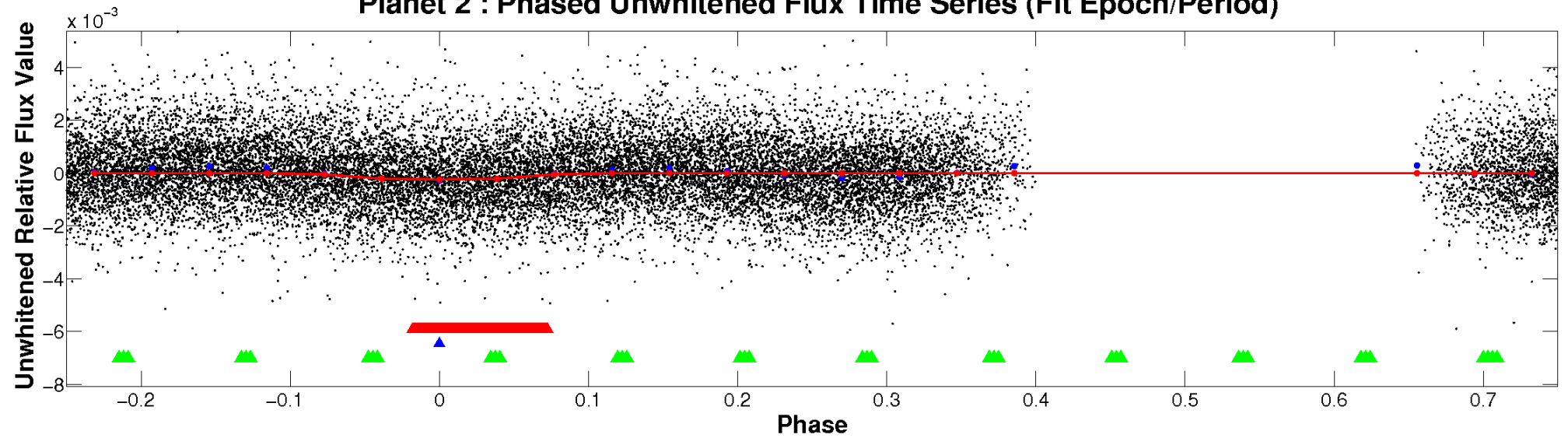
ALT Odd/Even

TCE 011759297-02

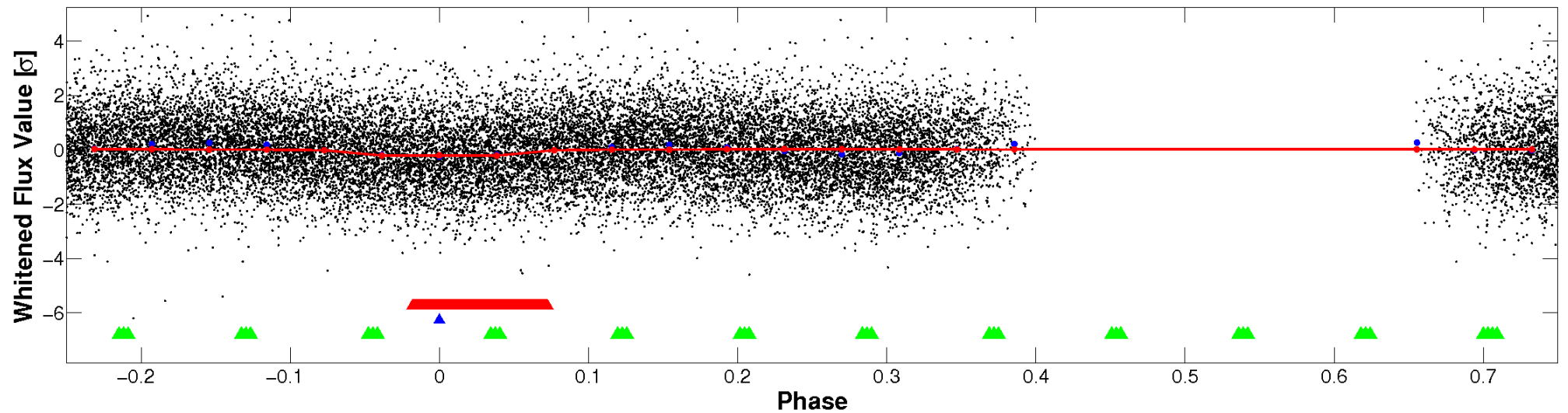


Non-Whitened Vs. Whitened Light Curve

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

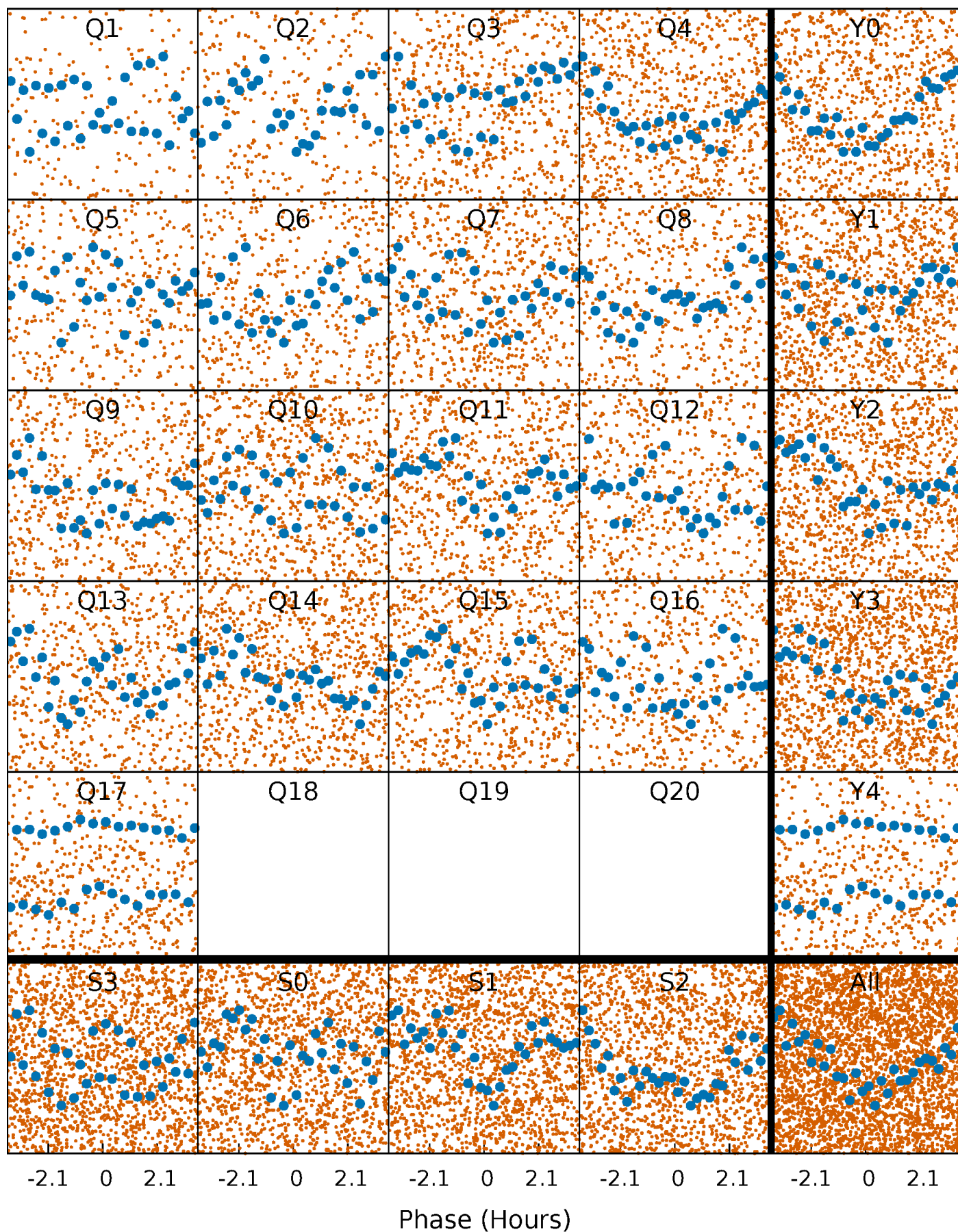


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



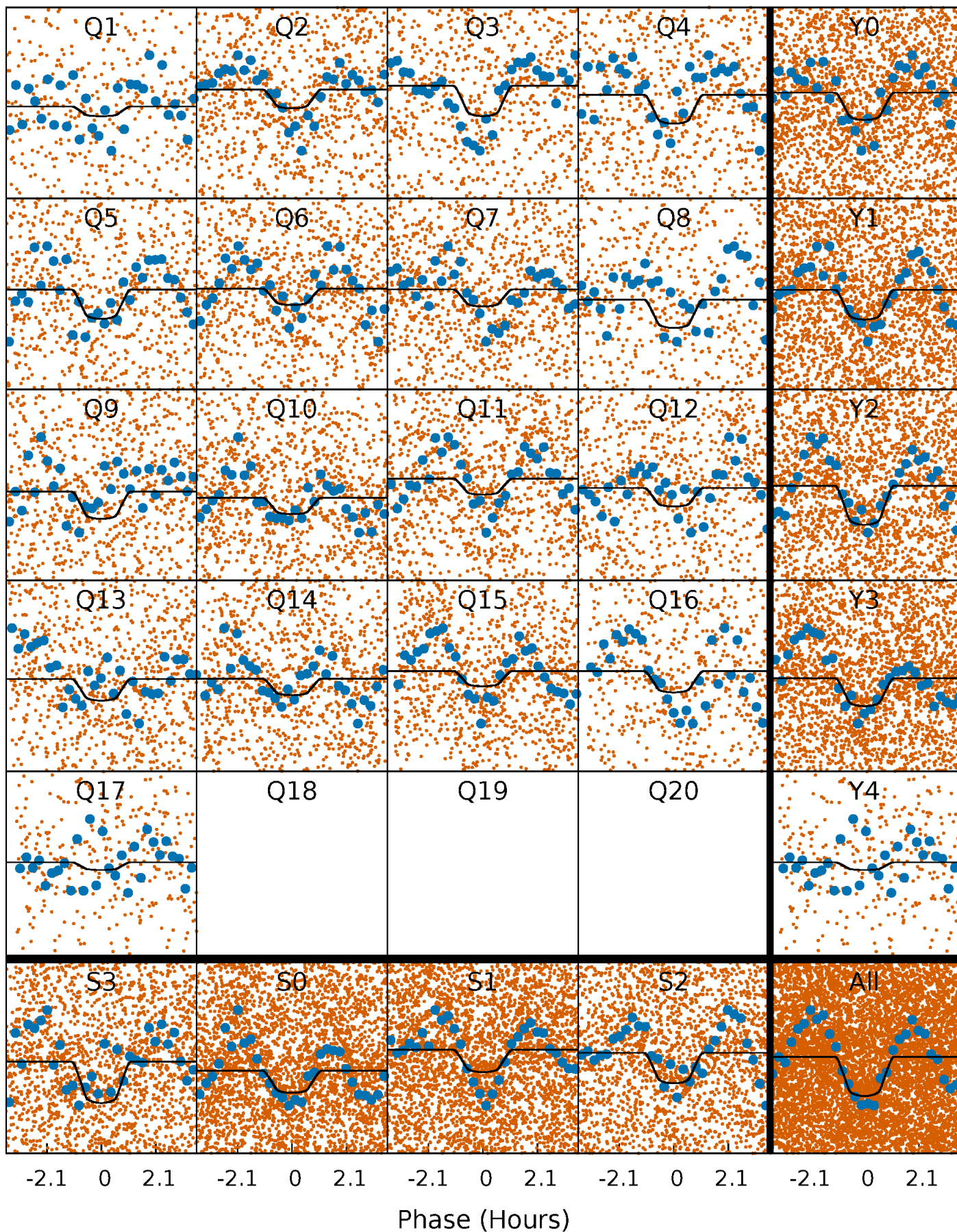
PDC Quarter-Phased Transit Curves

TCE 011759297-02 P= 0.529953 Days $T_0=131.806495$ (BKJD)



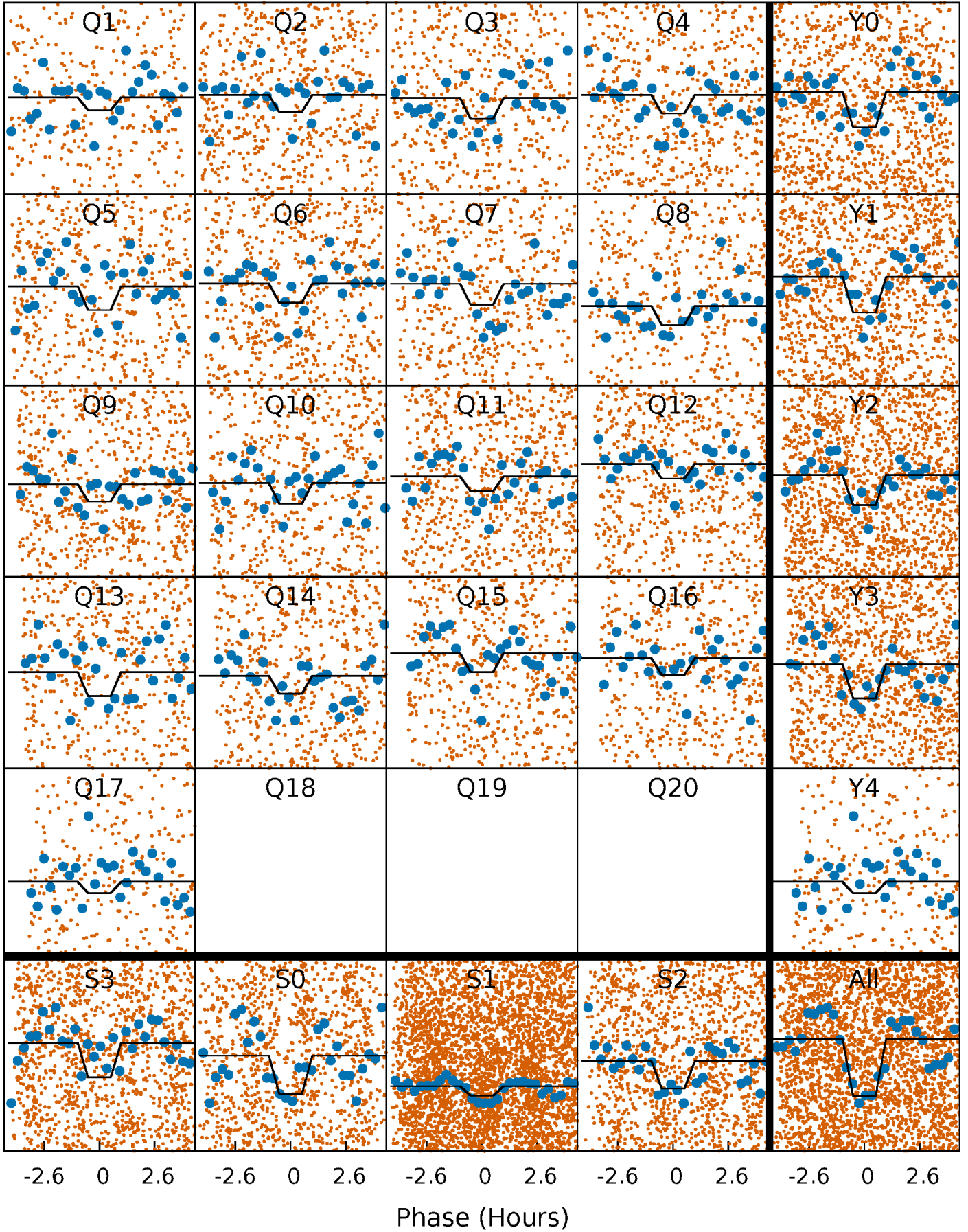
DV Quarter-Phased Transit Curves

TCE 011759297-02 P= 0.529953 Days $T_0=131.806495$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

TCE 011759297-02 P= 0.529956 Days $T_0=131.802832$ (BKJD)



DV Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 011759297

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6720^{+190}_{-261}	$3.824^{+0.424}_{-0.132}$	$-0.060^{+0.250}_{-0.300}$	$2.598^{+0.528}_{-1.144}$	$1.641^{+0.198}_{-0.430}$	$0.132^{+0.512}_{-0.050}$
	+3%/-4%	+11%/-3%	+417%/-500%	+20%/-44%	+12%/-26%	+388%/-38%
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 011759297-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	N/A	N/A	N/A	N/A	N/A
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 $T_{\text{obs}} \gg T_{\text{max}}$ AND $A_{\text{obs}} \gg 1.0$

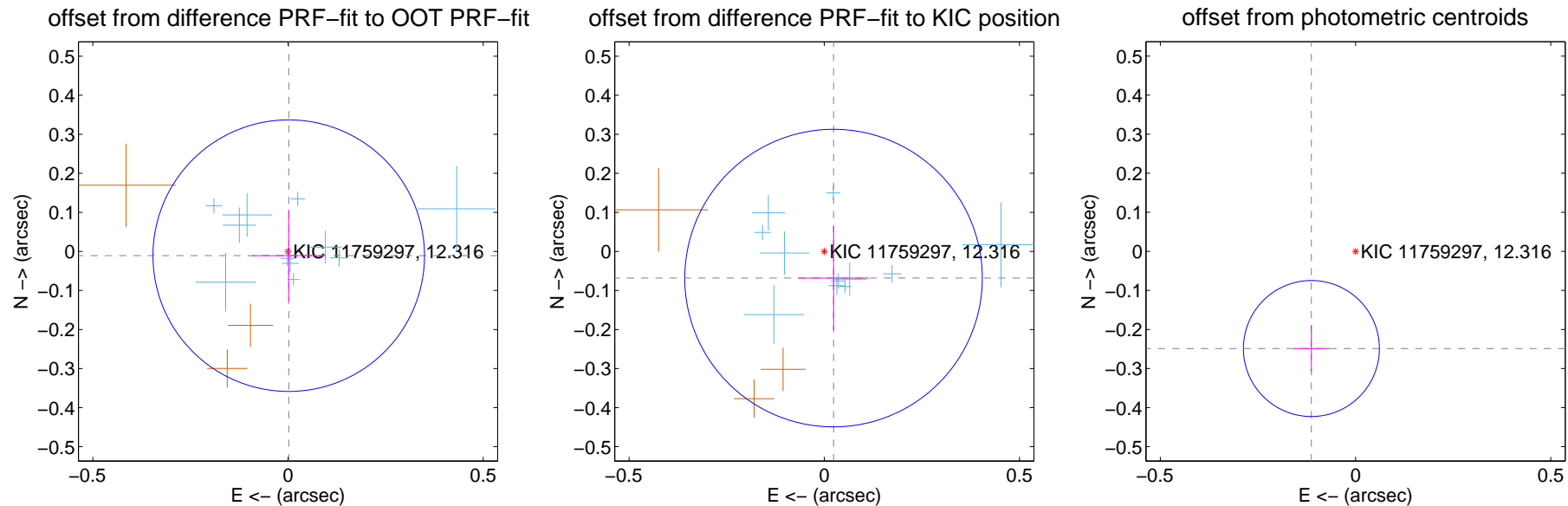
DV Centroid Data

Supplemental centroid analysis for 011759297-02. Kepler magnitude: 12.32. Transit SNR 13.26

There are 11 quarters with good PRF difference image offsets

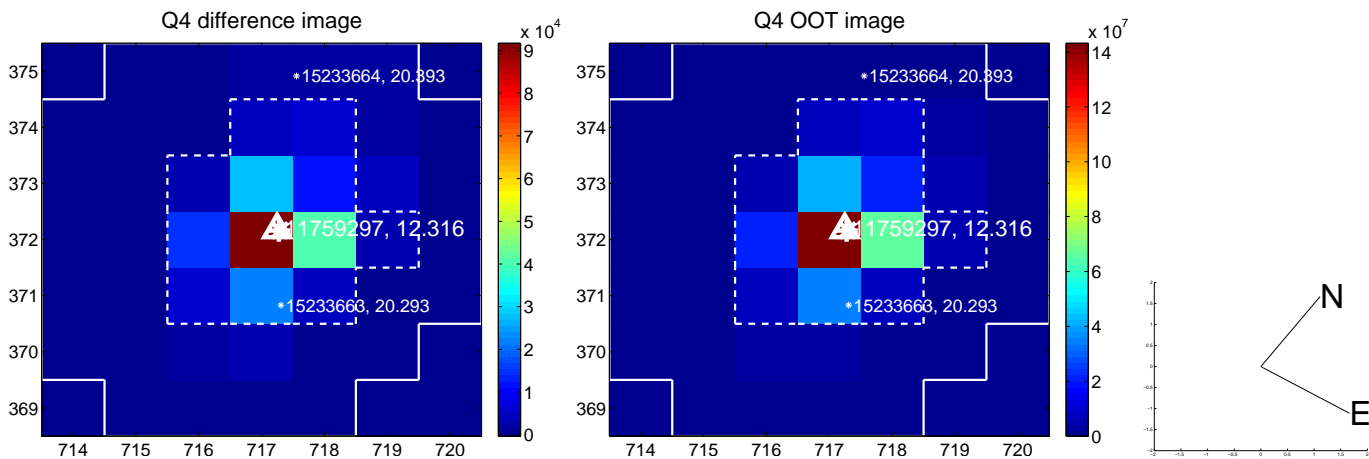
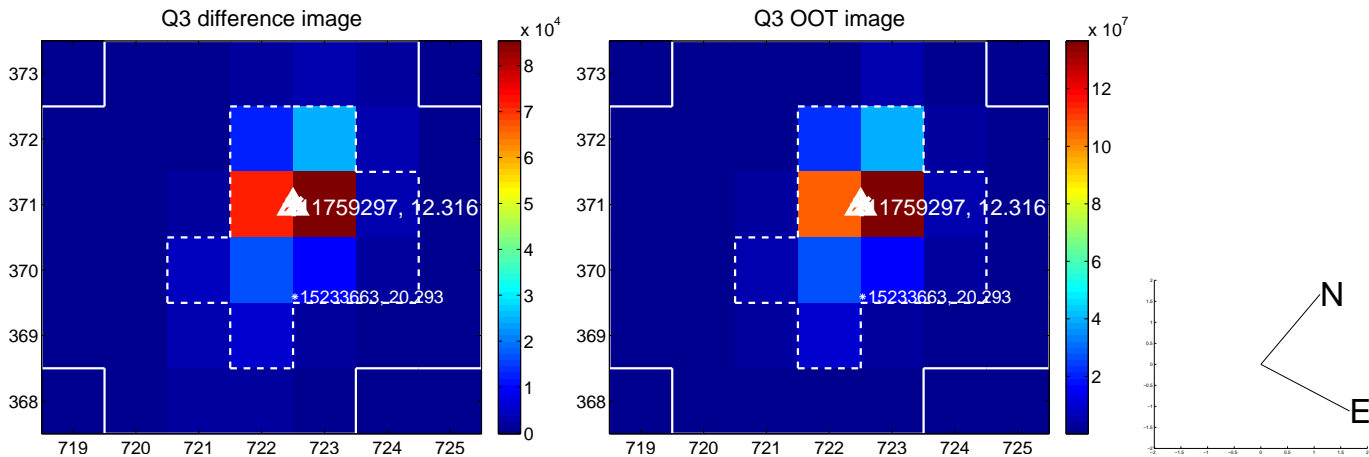
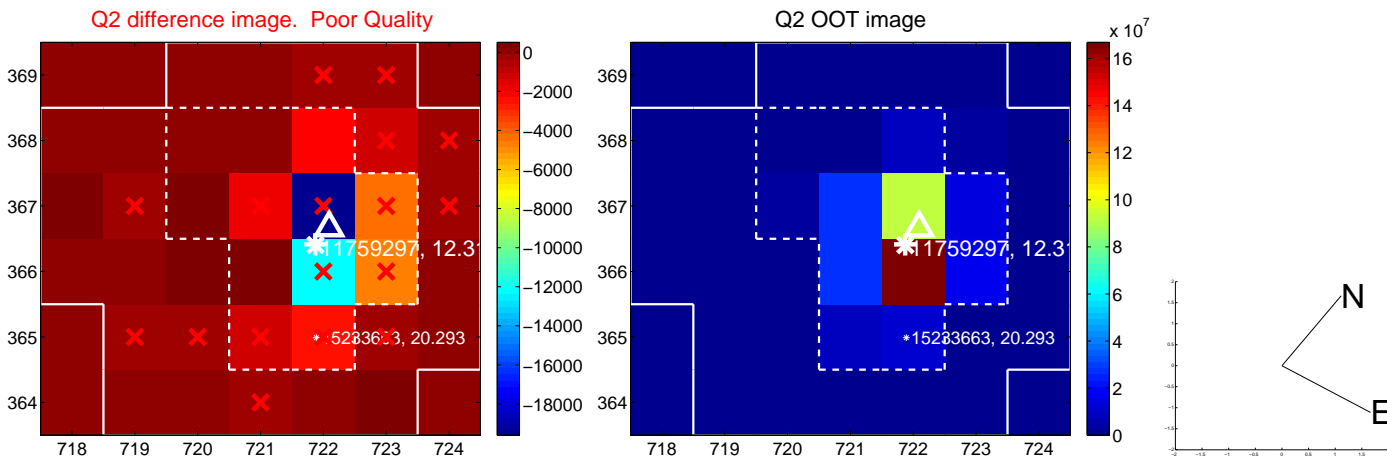
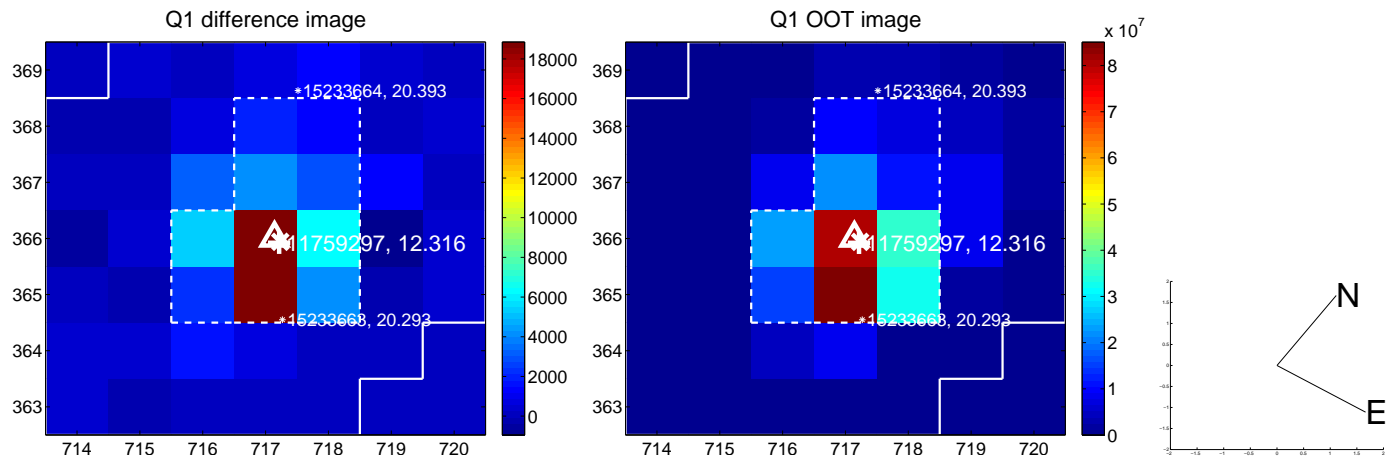
The direct PRF centroid is offset from the target star catalog position by about 0.08 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.011 ± 0.116	0.09	-0.002 ± 0.093	-0.011 ± 0.117
PRF-fit source offset from KIC position	0.072 ± 0.127	0.57	-0.024 ± 0.090	-0.068 ± 0.134
photometric centroid source offset	0.27 ± 0.06	4.71	0.11 ± 0.05	-0.25 ± 0.06

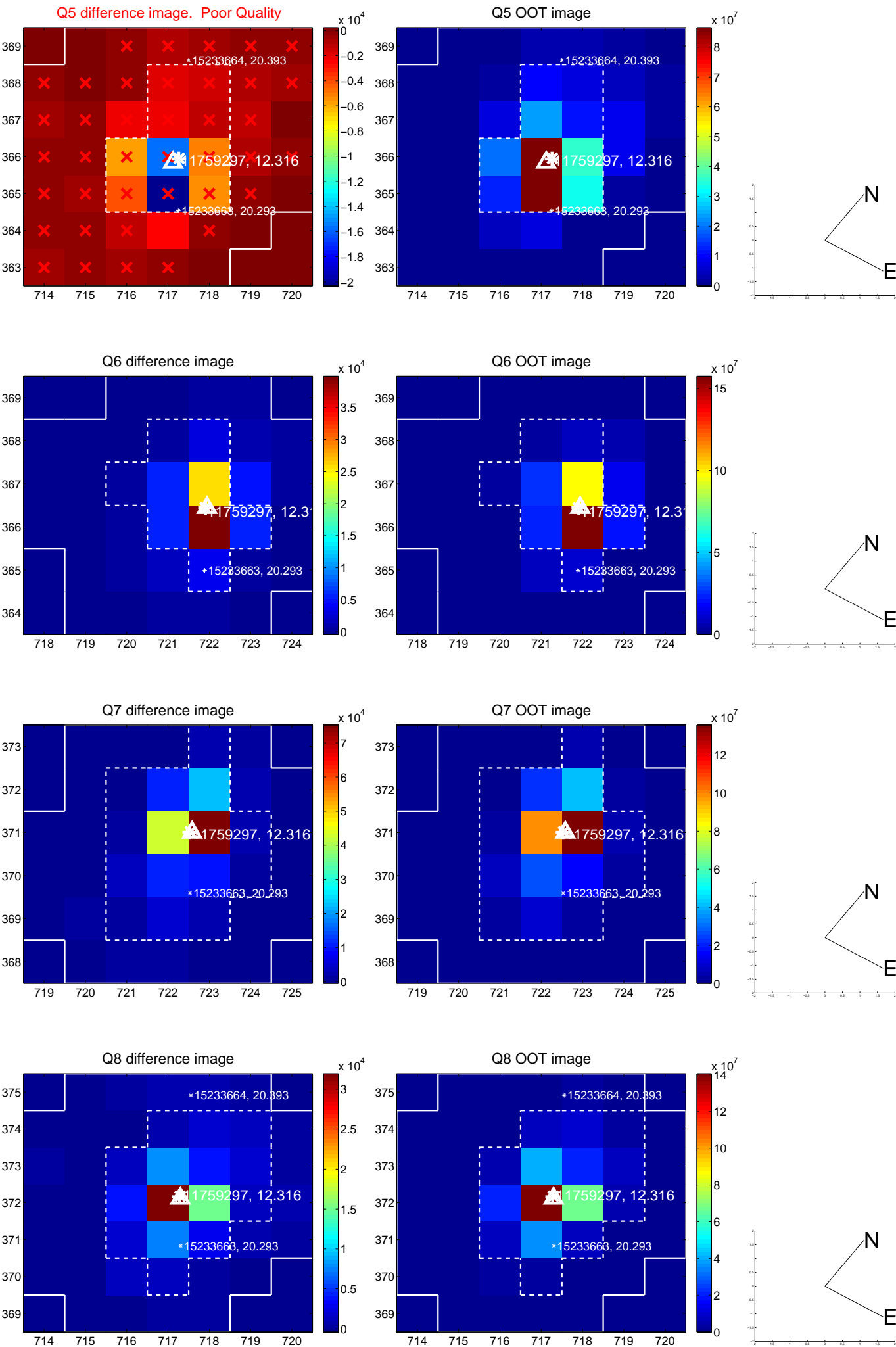


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

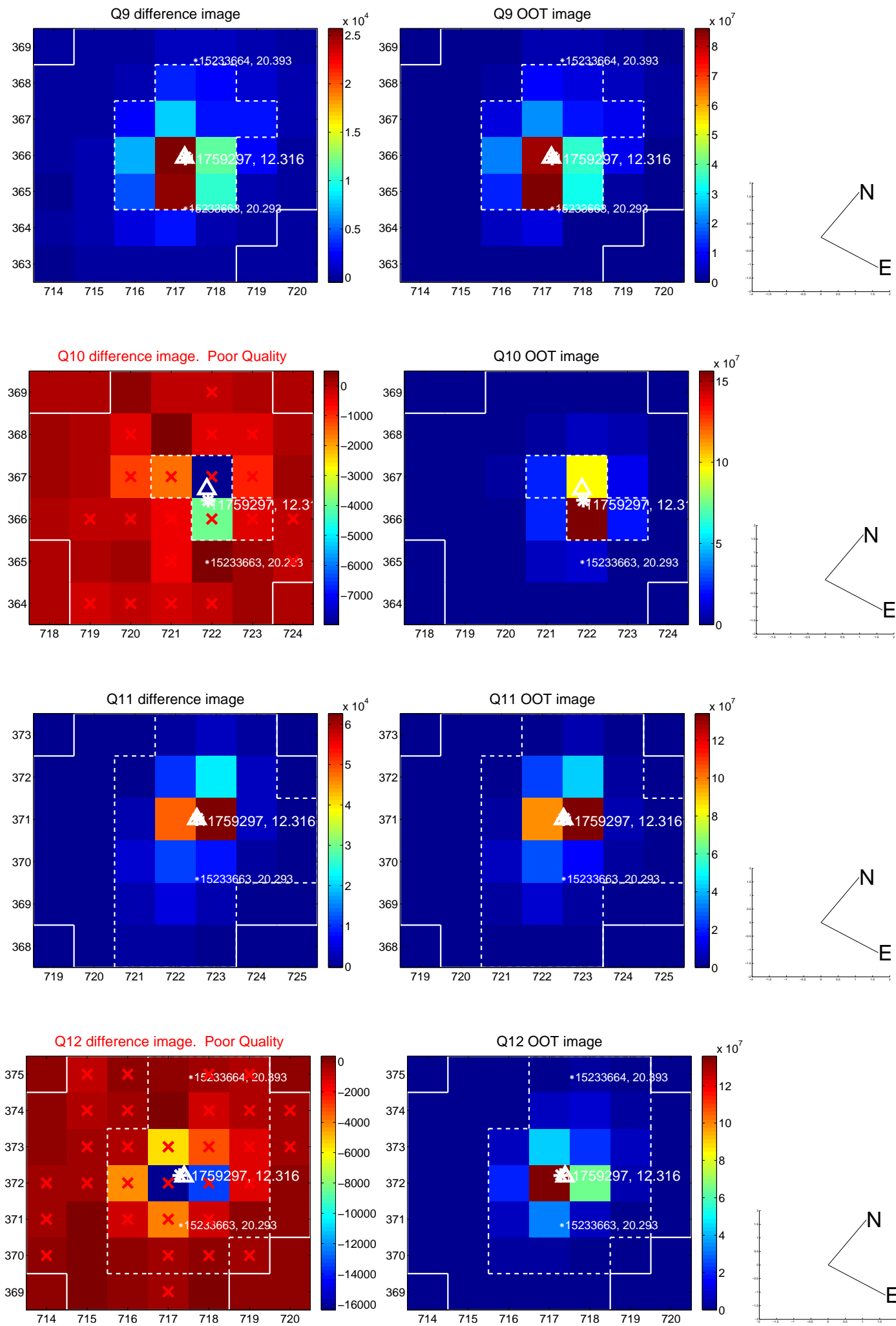
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



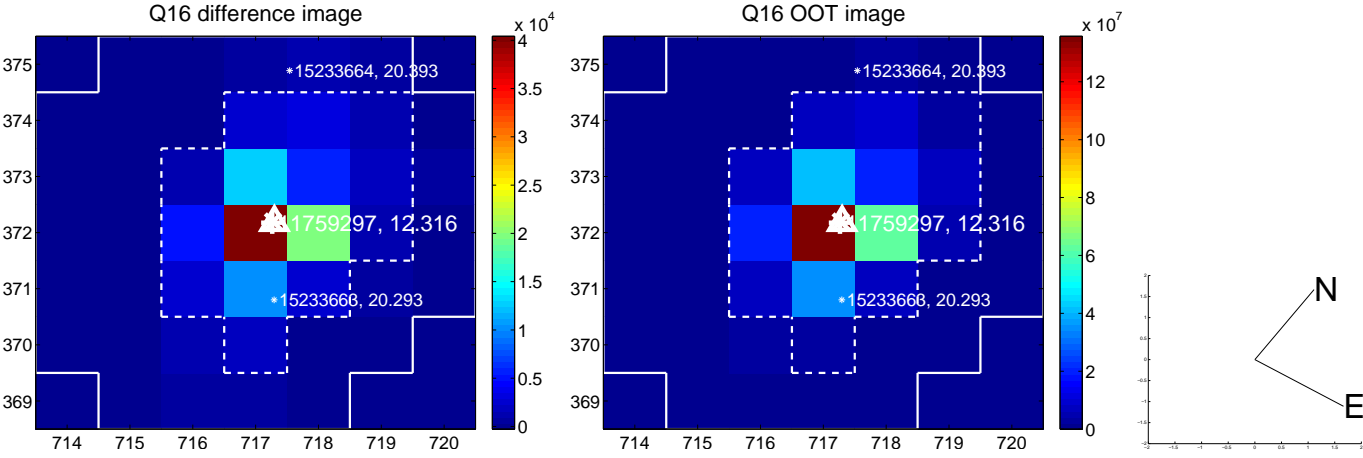
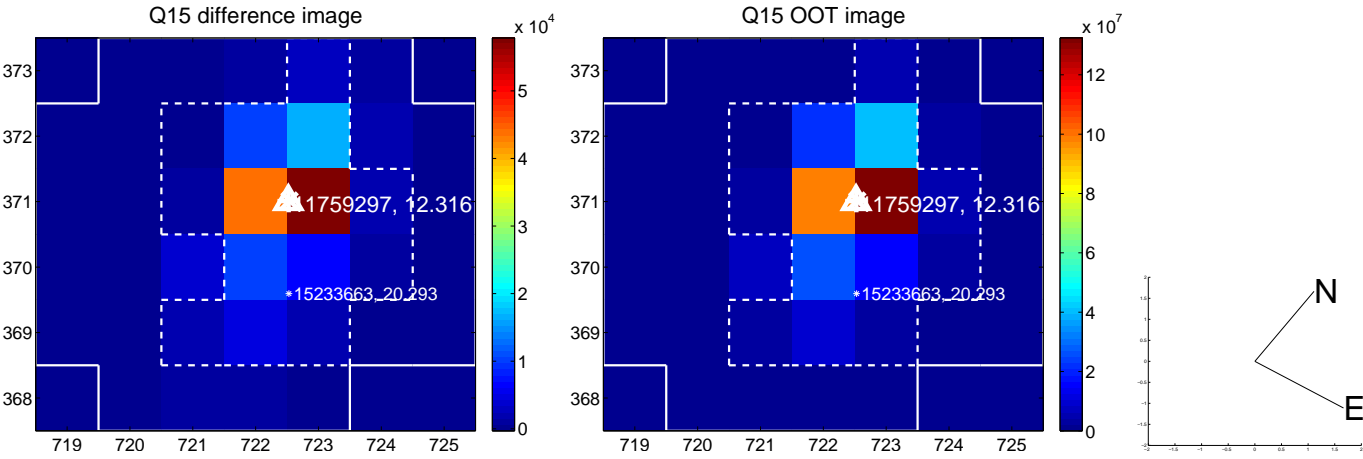
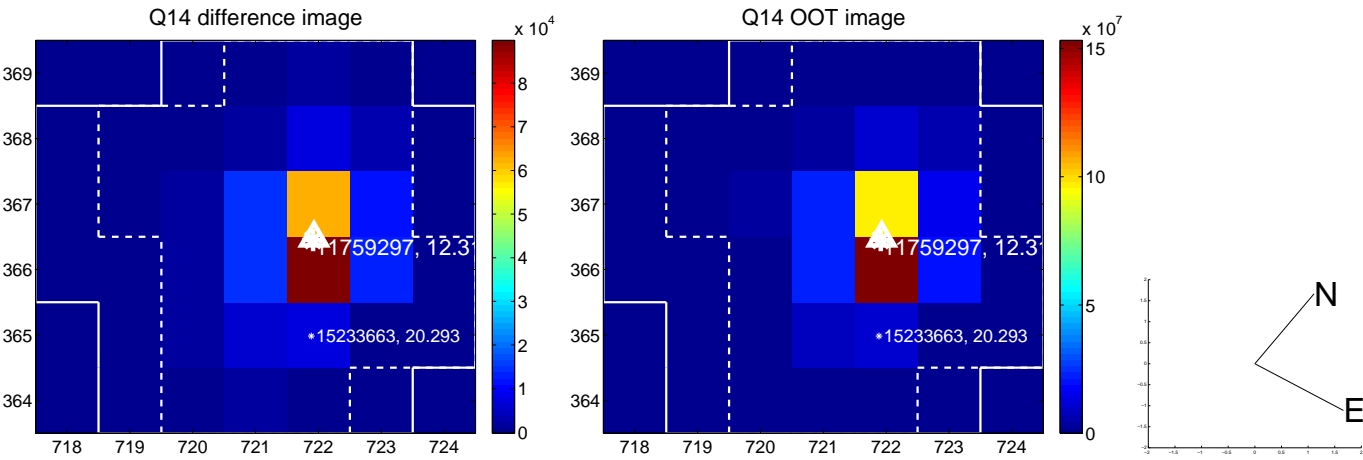
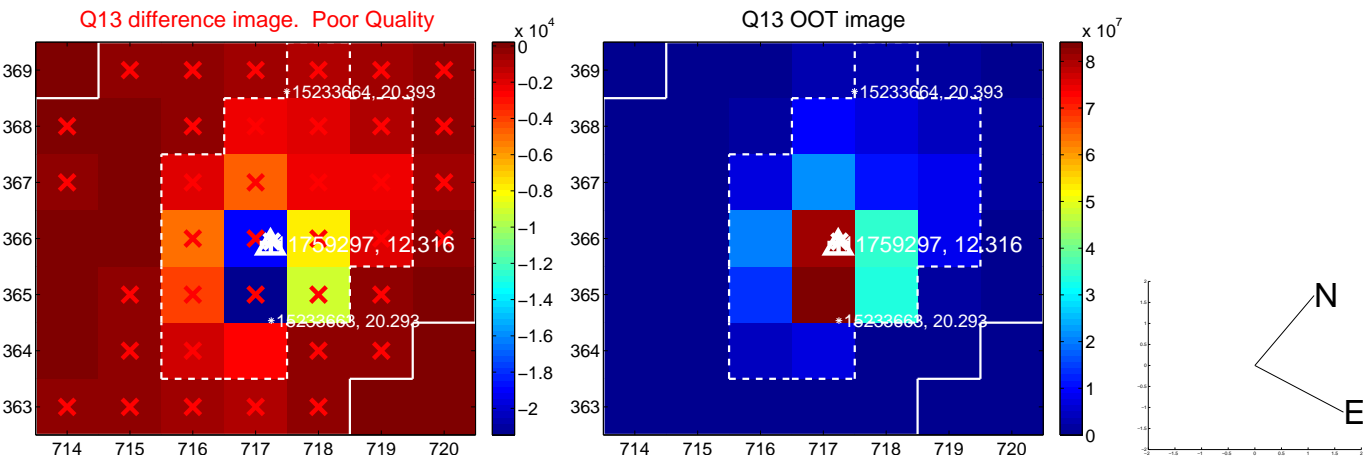
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



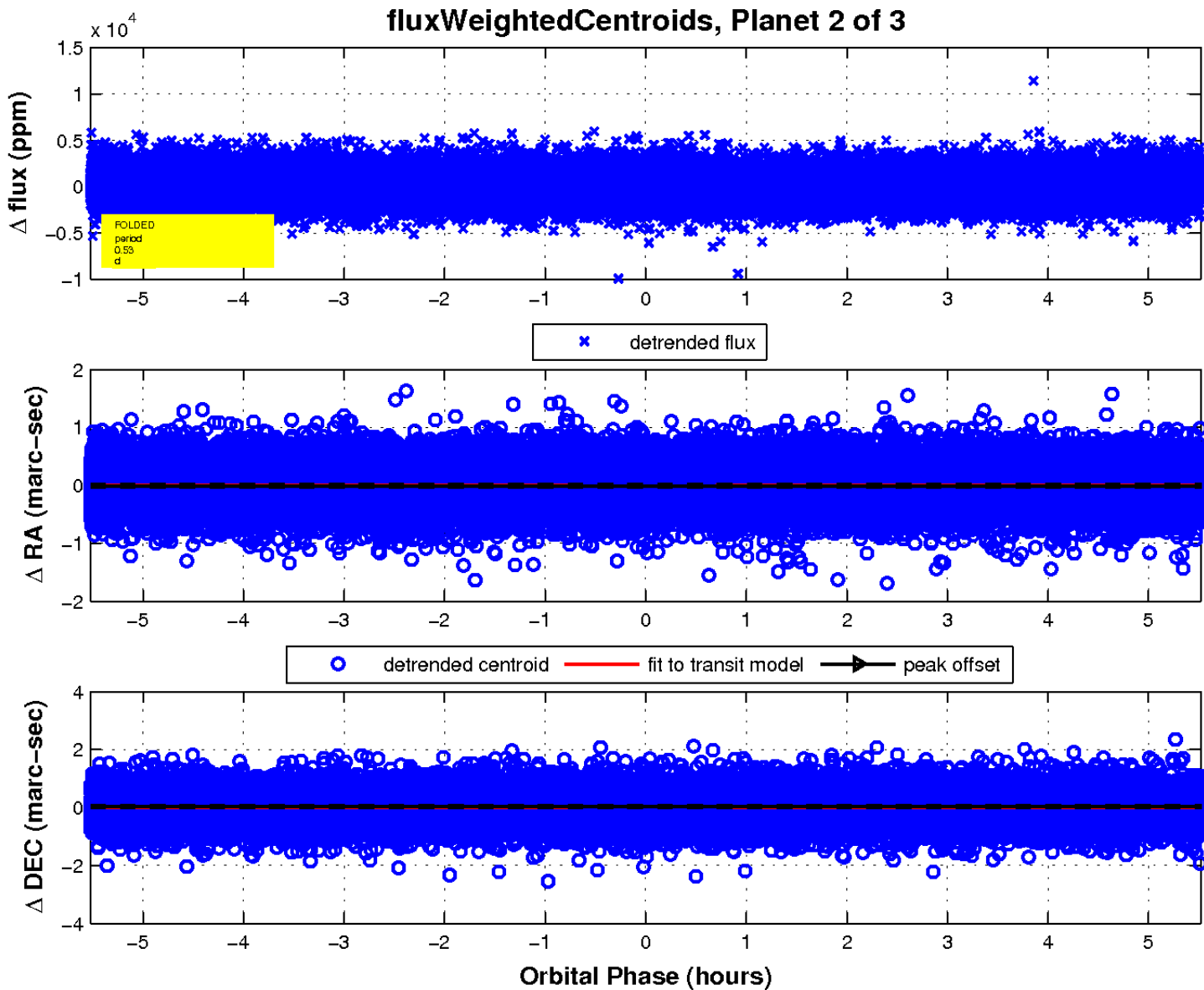
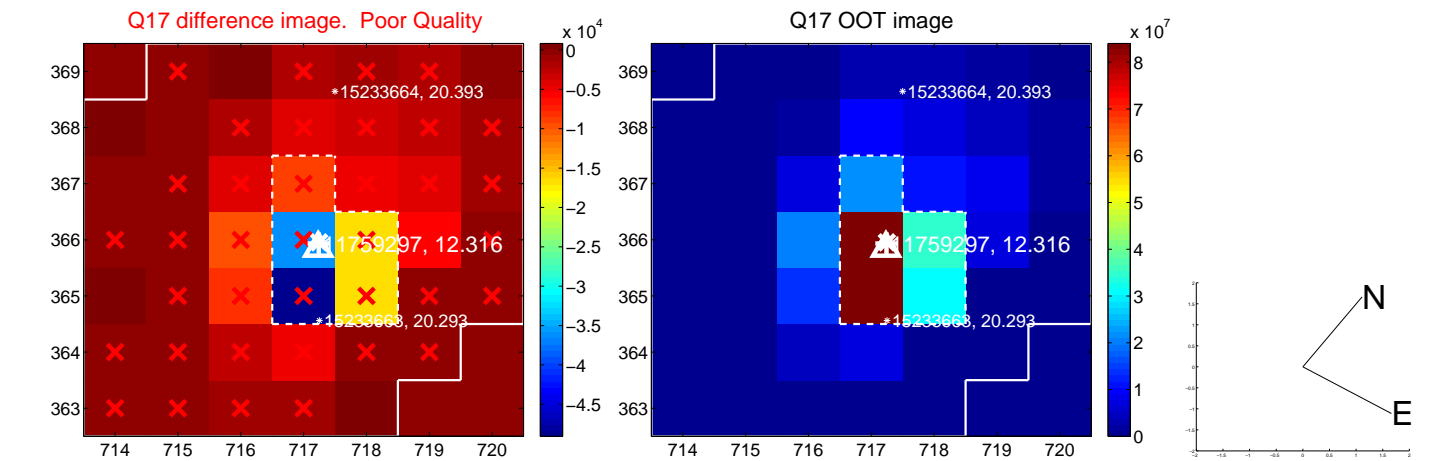
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

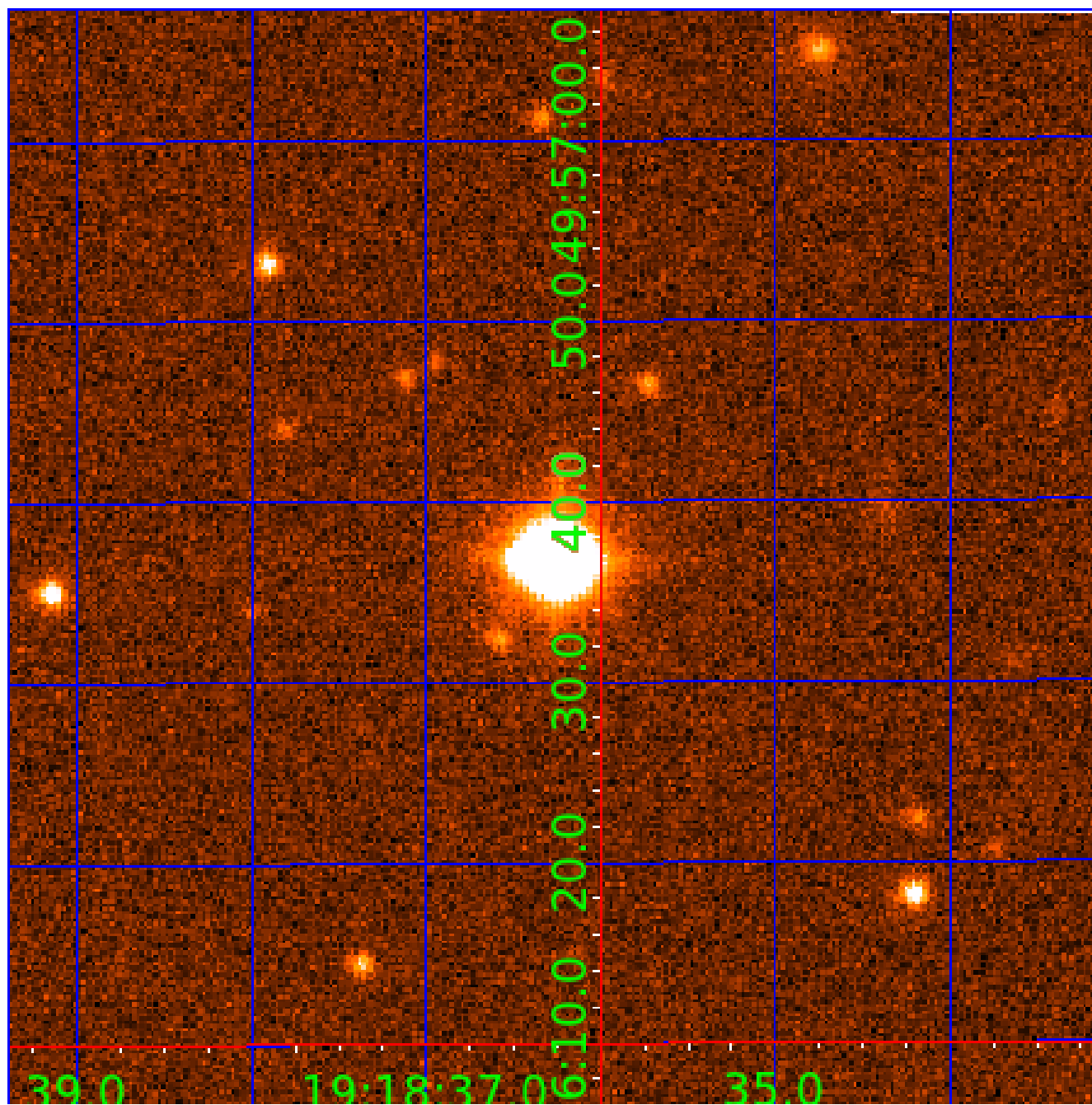


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011759297

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})
011759297-01	OBS	No	1.059940	131.796914	140.2	5.530	10.1	9.6	2.60	6720	3.31	21400.42
011759297-02	OBS	No	0.529953	131.806495	239.8	1.841	11.6	13.3	2.60	6720	4.71	53928.04
011759297-03	OBS	No	39.525781	149.135998	295.4	1.500	9.5	-1.0	2.60	6720	4.52	171.77

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011759297-01	OBS	FP	0.00	1	0	0	0	LPP_DV—MOD_NONUNIQ_DV
011759297-02	OBS	FP	0.00	1	0	0	0	TRANS_GAPPED—LPP_DV—LPP_ALT—NO_FITS—SAME_NTL_PERIOD
011759297-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—LPP_ALT—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_NOFITS

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

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

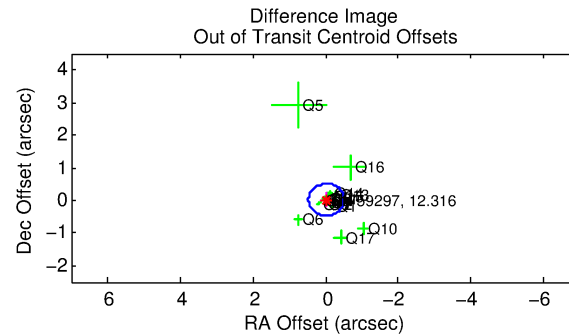
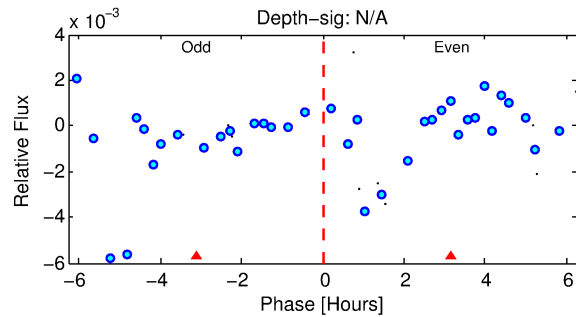
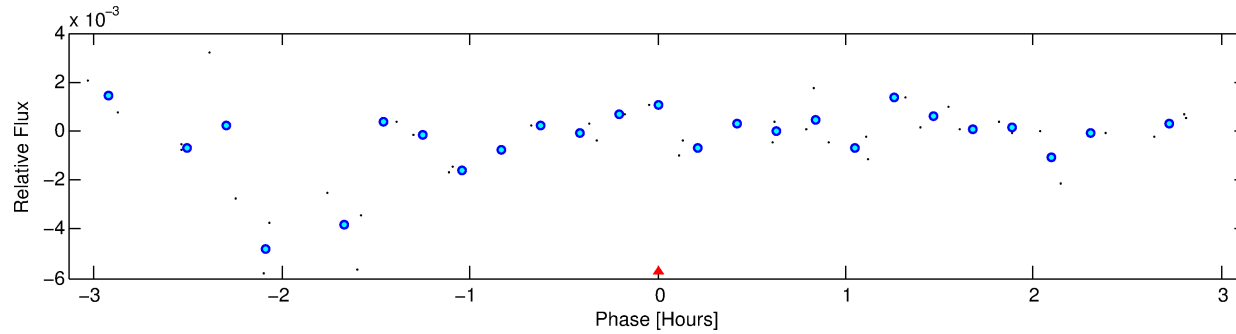
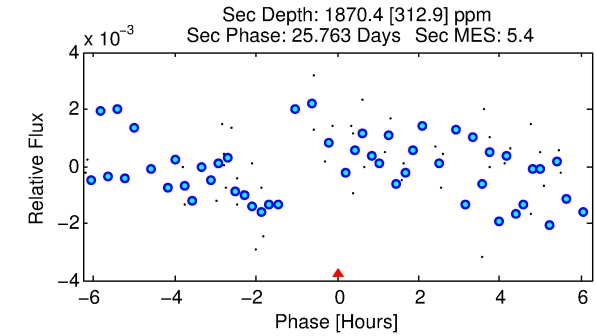
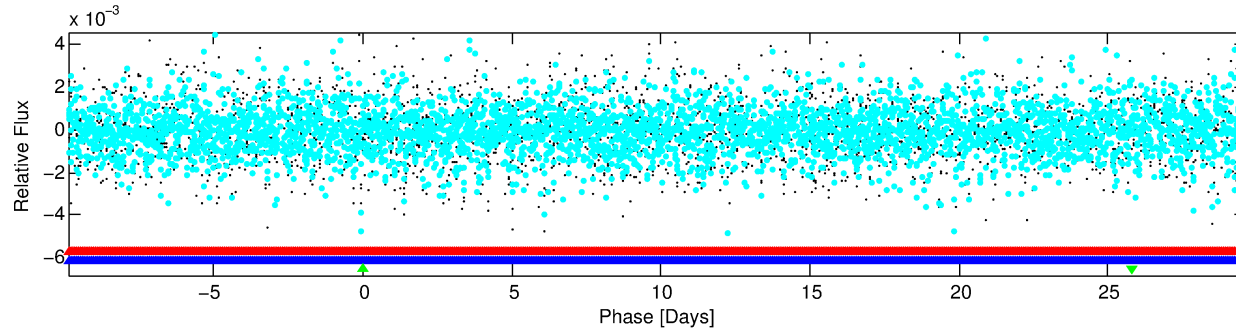
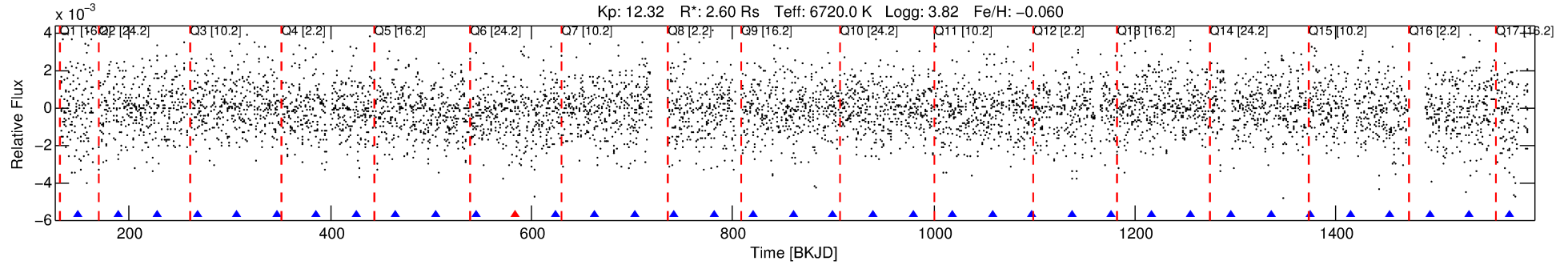
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011759297-03

No Significant Match Found

DV One-Page Summary

KIC: 11759297 Candidate: 3 of 3 Period: 39.526 d



TPS TCE Results:

Period = 39.52578 d
Epoch = 149.1360 BKJD

DV fit results are unavailable

DV Diagnostic Results:

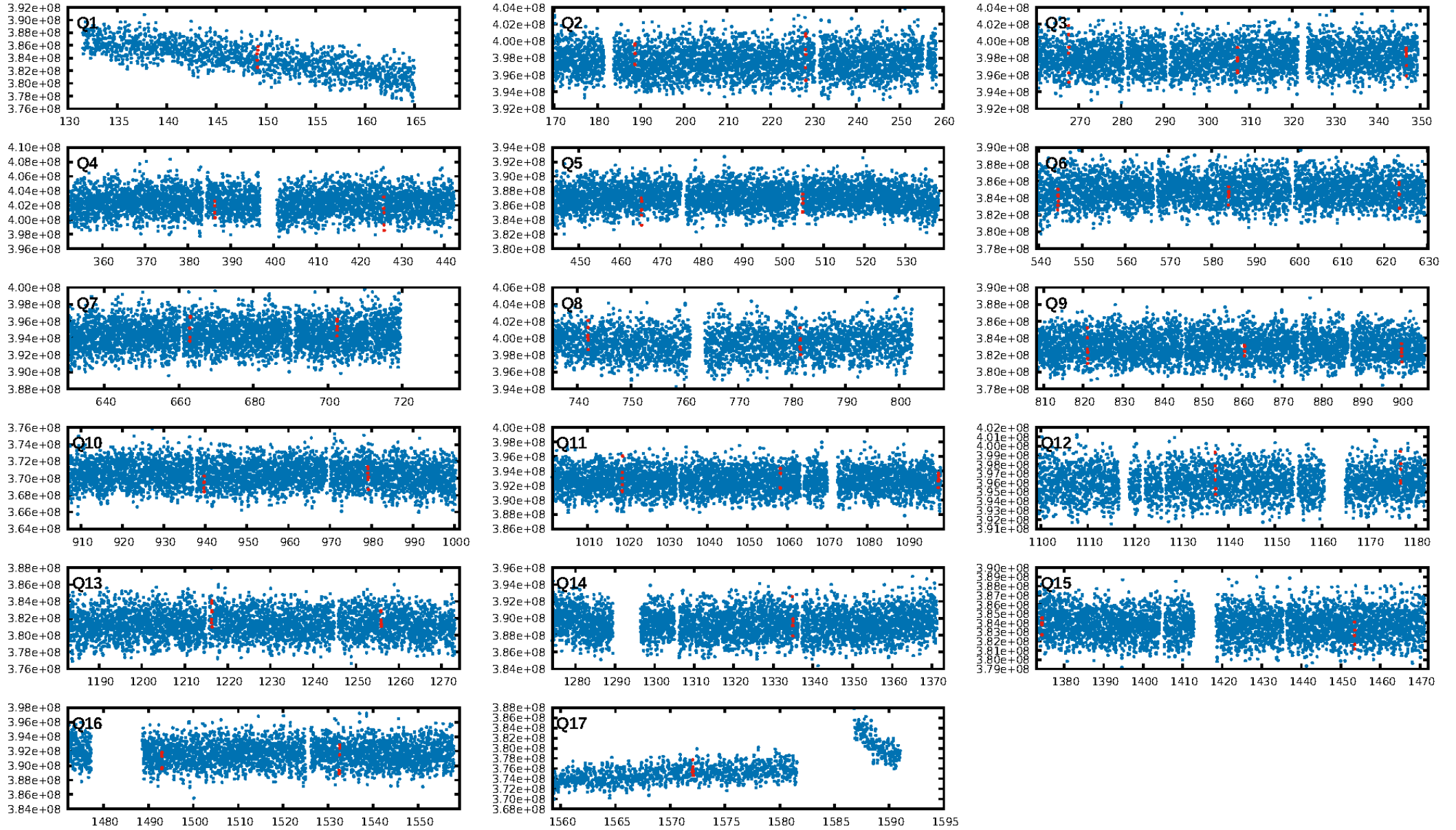
ShortPeriod-sig: 100.0% [161.13σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.88 [7/8]
GhostDiagnostic-chr: 1.075

Centroid-sig: 4.6%
Centroid-so: 0.080 arcsec [1.14σ]
OotOffset-rm: 0.029 arcsec [0.18σ]
KicOffset-rm: 0.048 arcsec [0.28σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.59 [10/17]
DiffImageOverlap-fno: 0.00 [0/17]

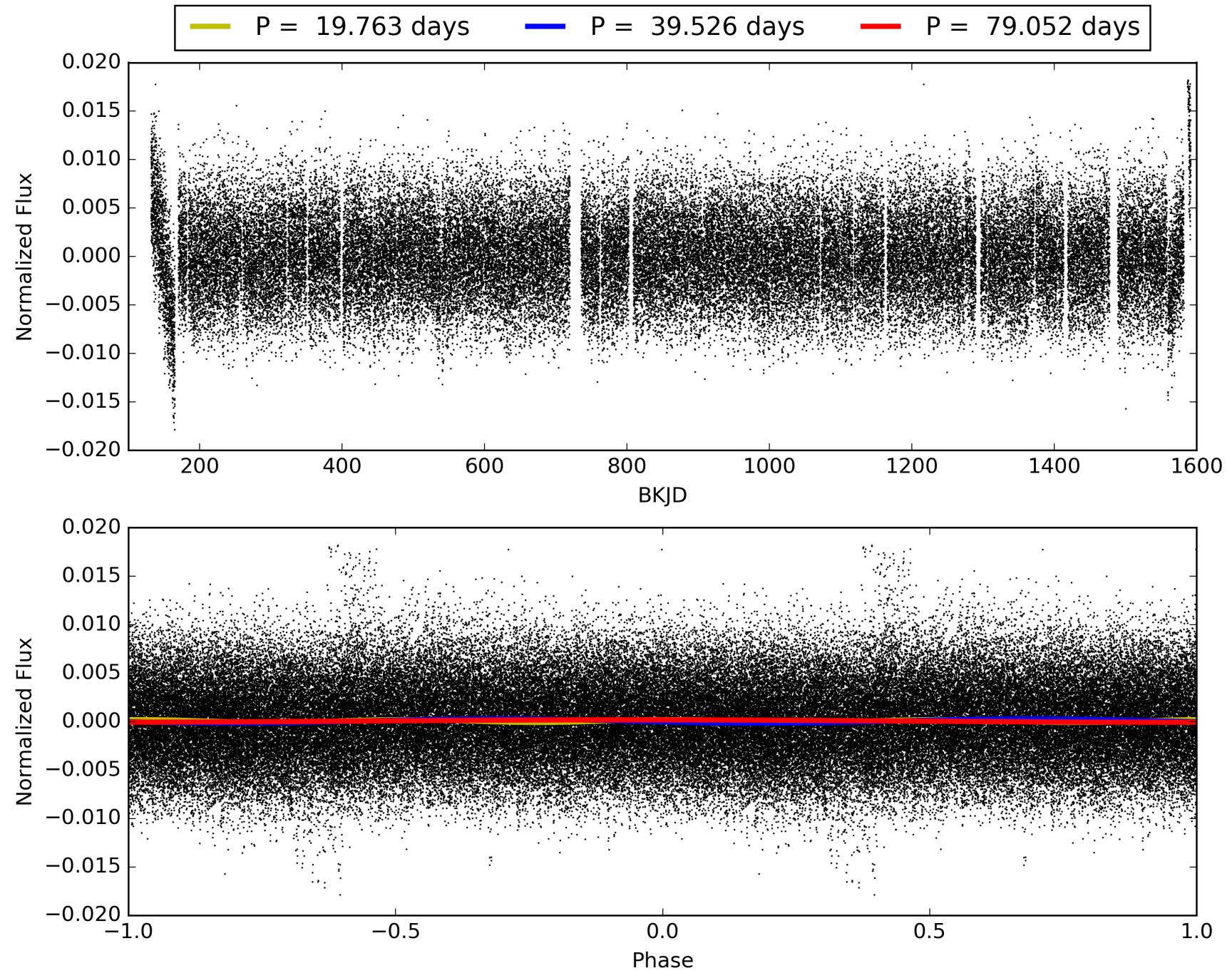
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:57:16 Z

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

TCE 011759297-03, PDC Light Curves

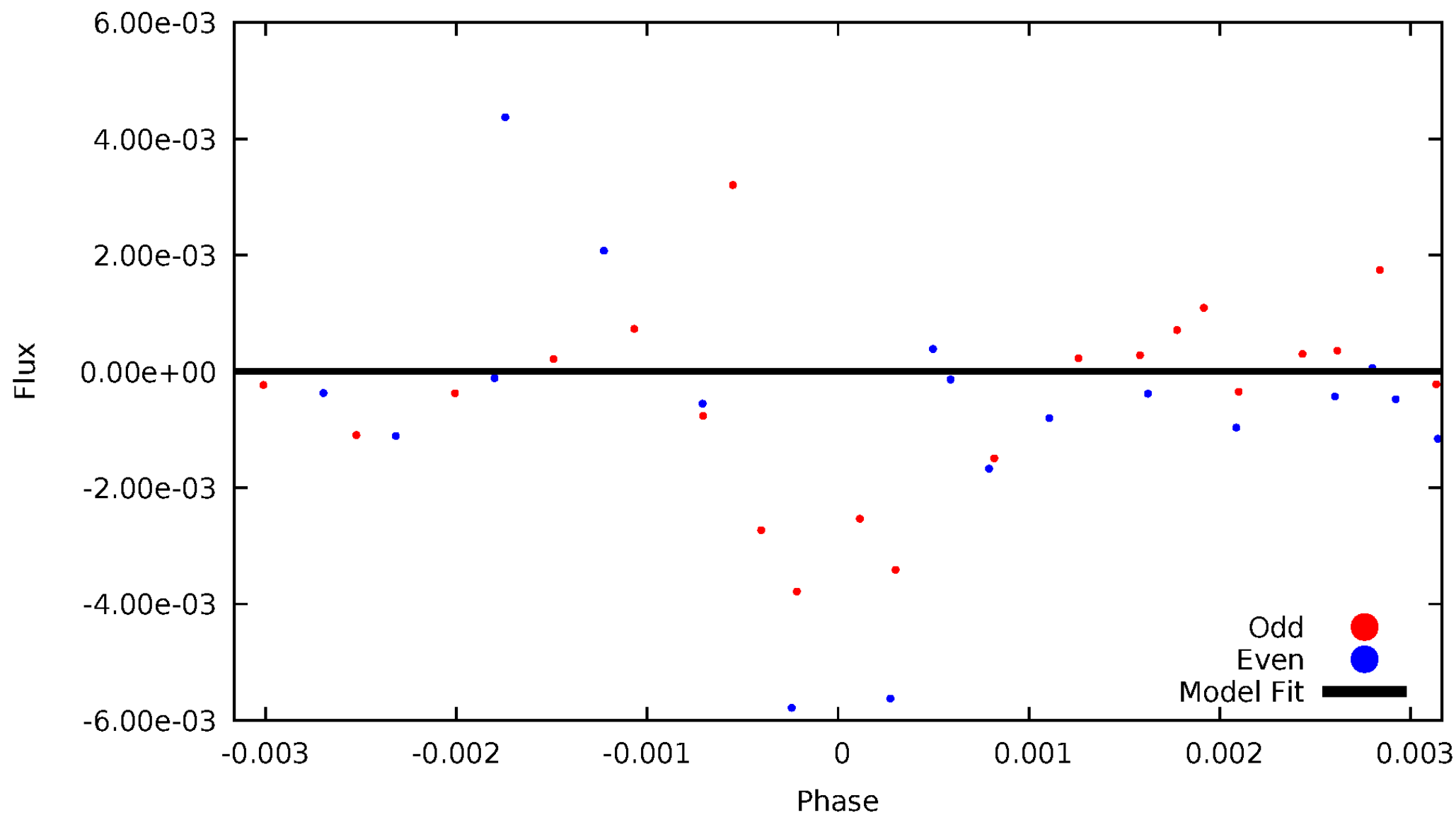


TCE 011759297-03



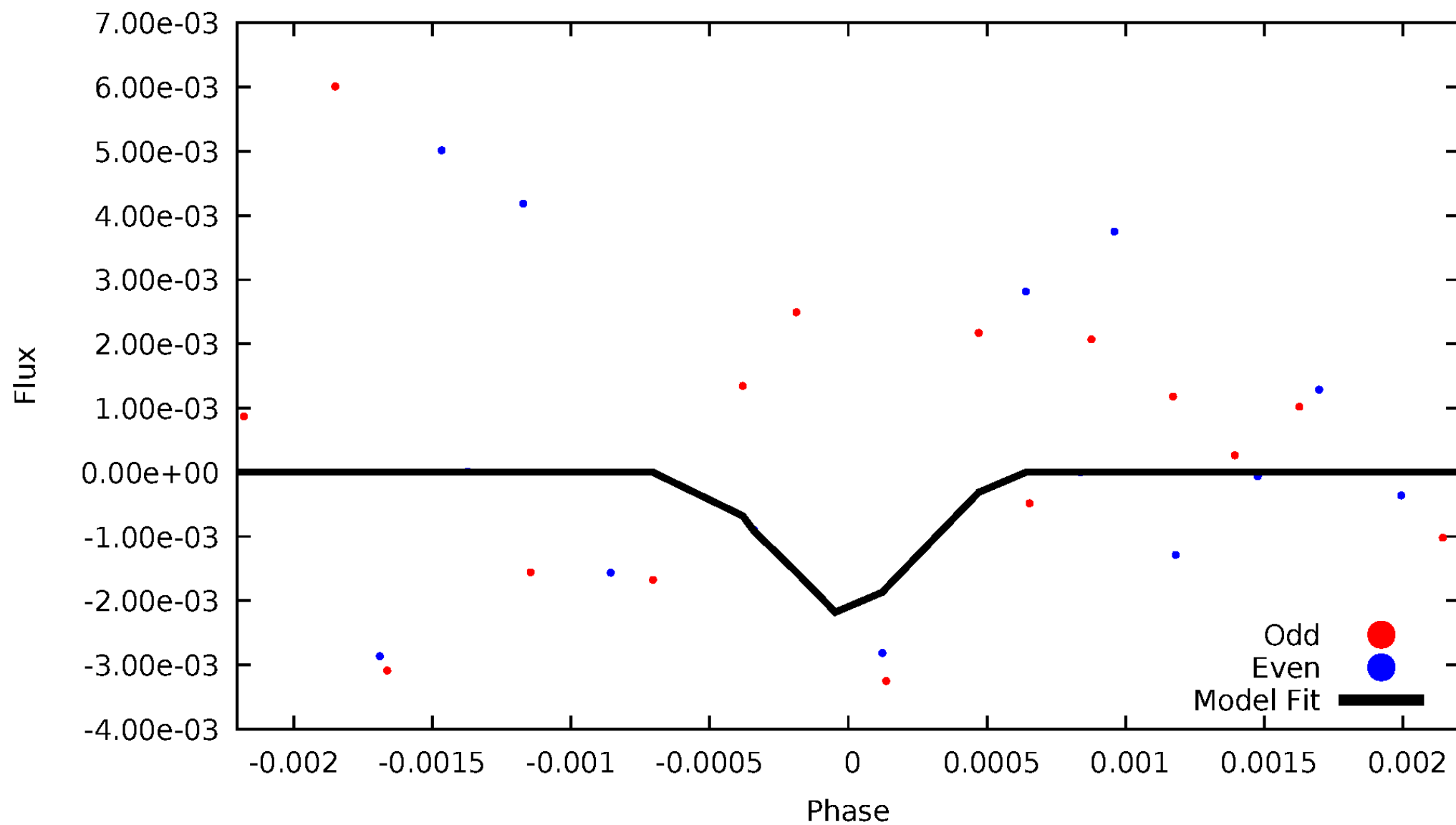
DV Odd/Even

TCE 011759297-03



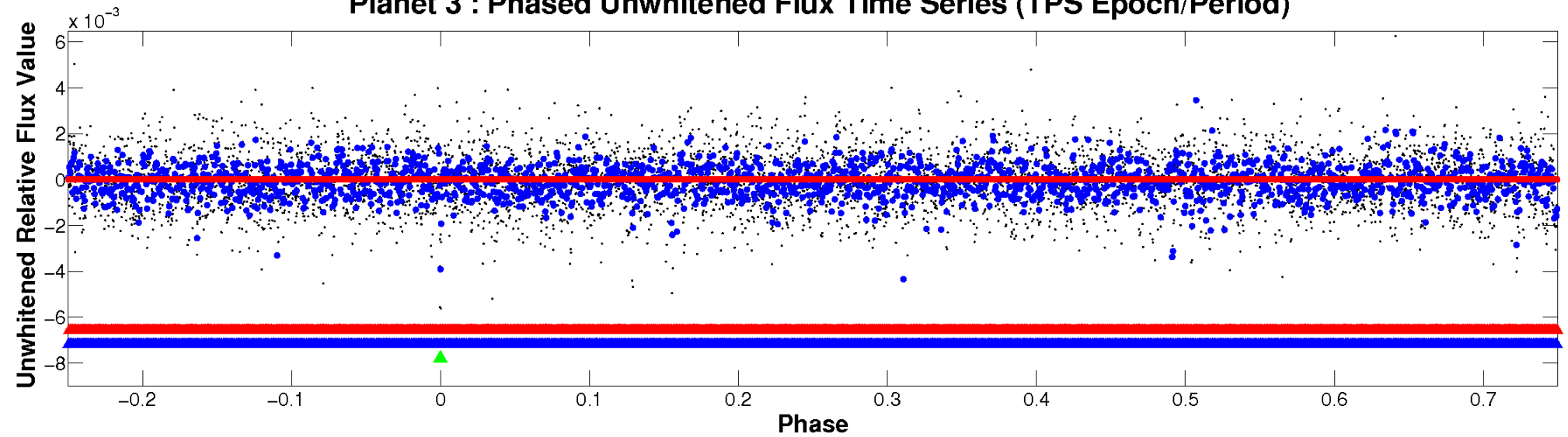
ALT Odd/Even

TCE 011759297-03



Non-Whitened Vs. Whitened Light Curve

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

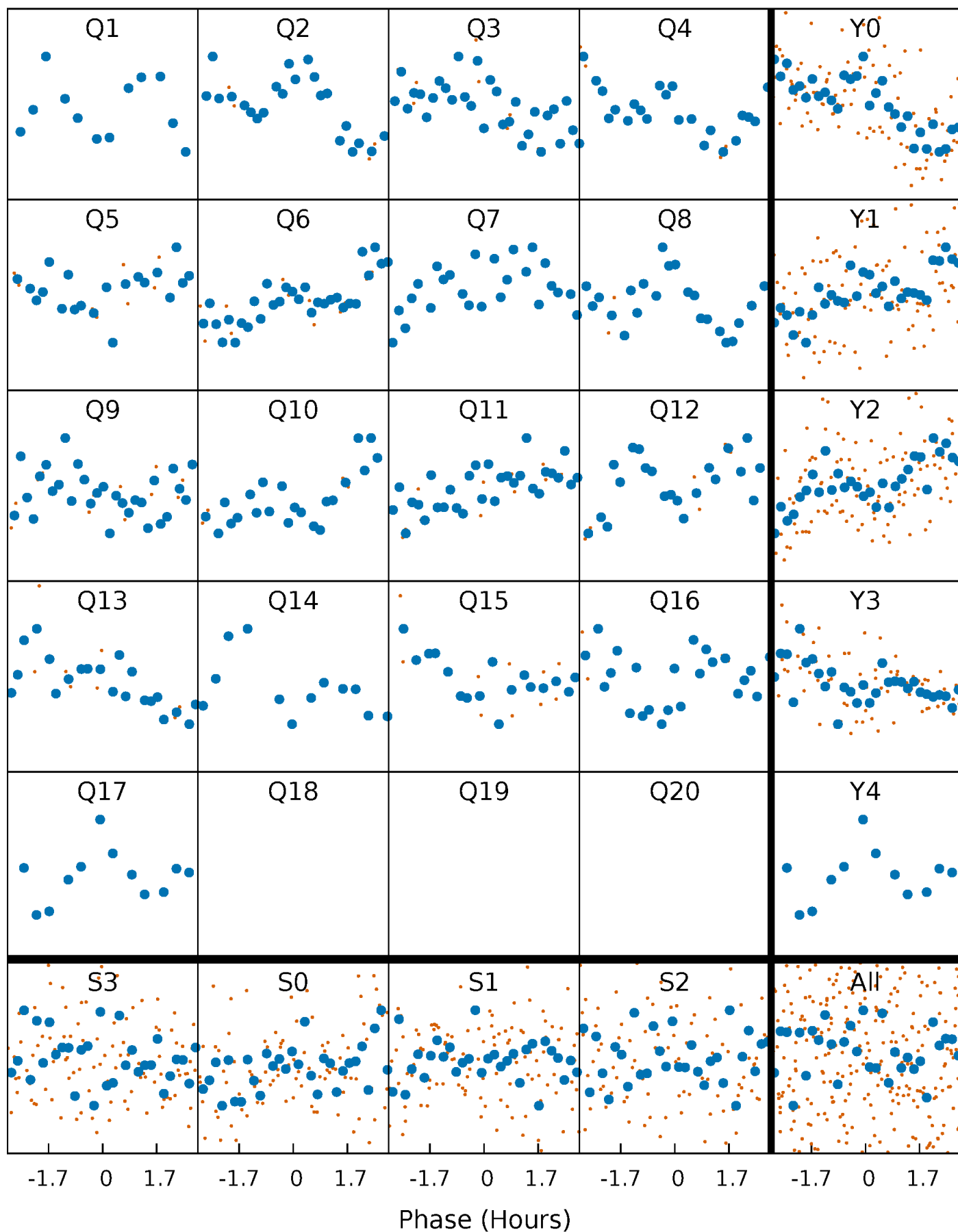


Planet 3 : Phased Whitened Flux Time Series (TPS Epoch/Period)



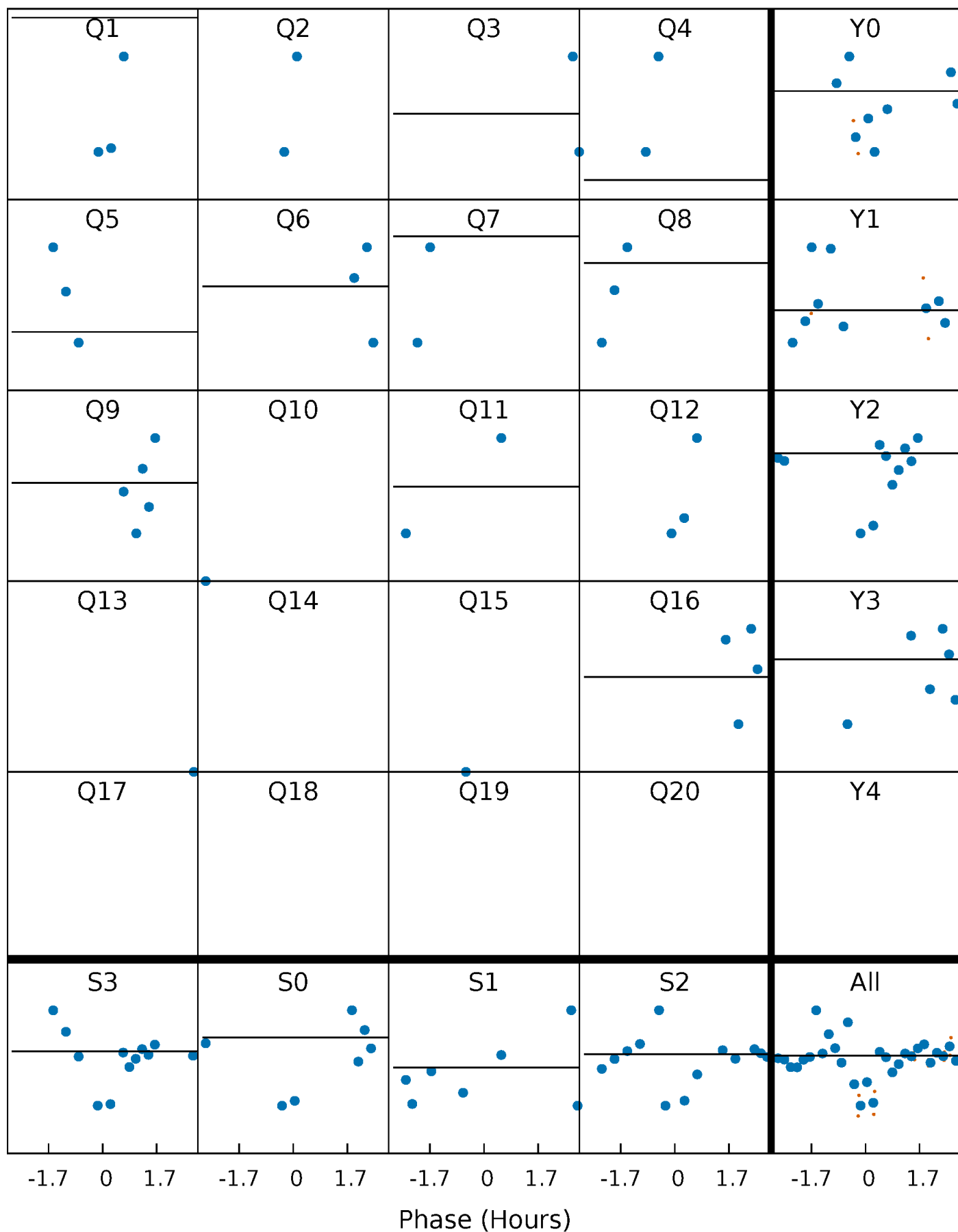
PDC Quarter-Phased Transit Curves

TCE 011759297-03 $P = 39.525781$ Days $T_0 = 149.135998$ (BKJD)



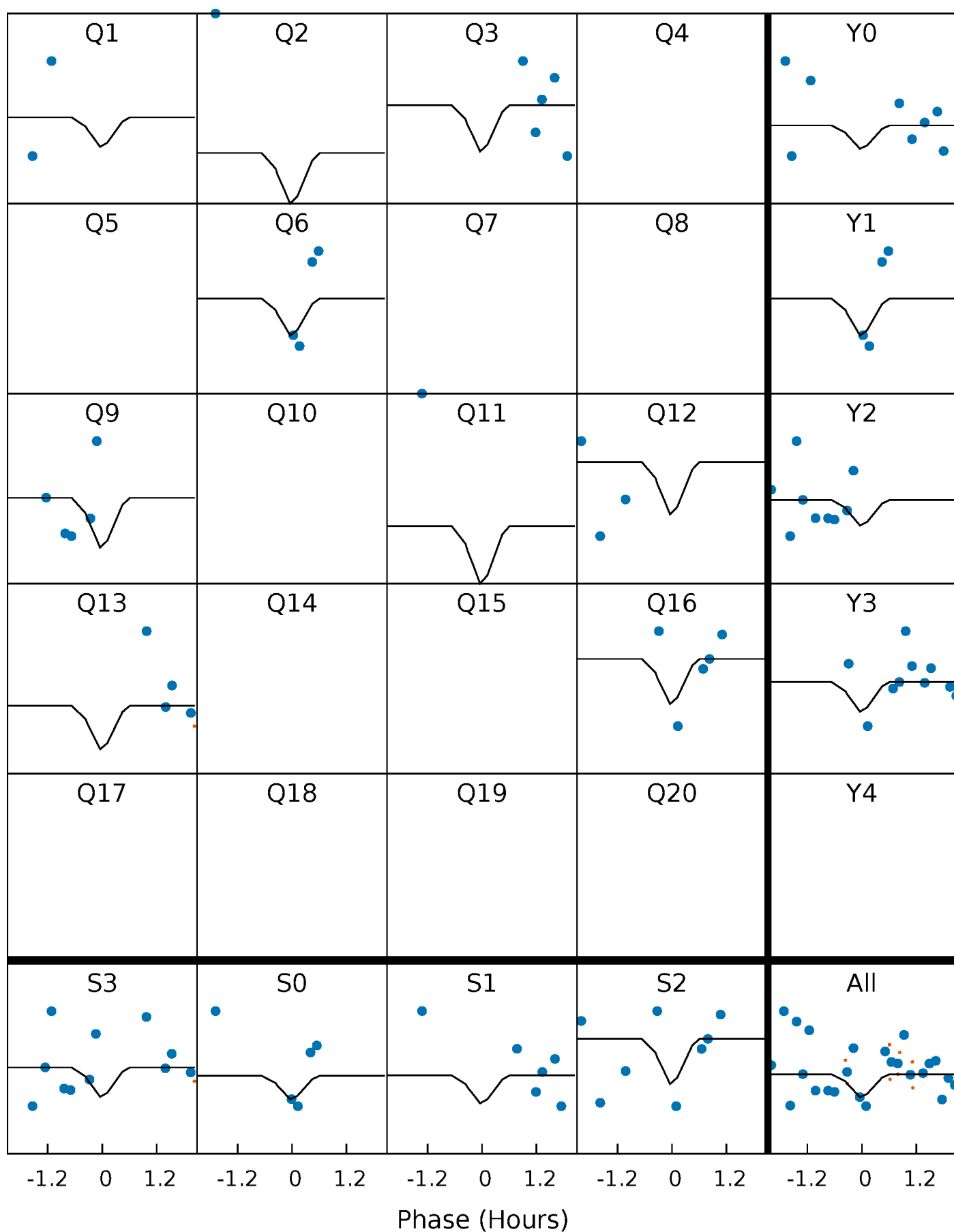
DV Quarter-Phased Transit Curves

TCE 011759297-03 P= 39.525781 Days $T_0=149.135998$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

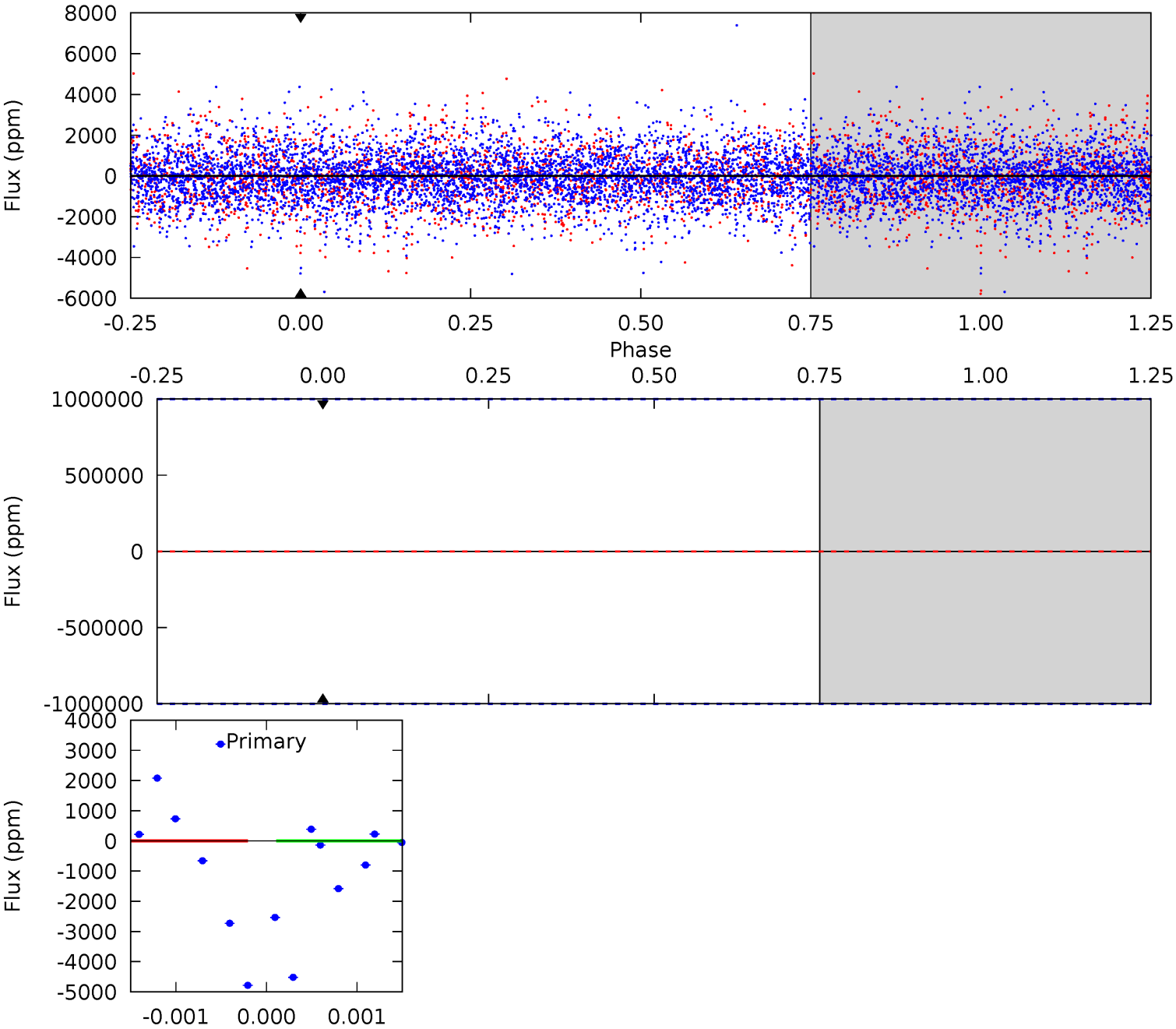
TCE 011759297-03 P= 39.525781 Days $T_0=149.213593$ (BKJD)



DV Model-Shift Uniqueness Test

011759297-03, P = 39.525781 Days, E = 109.610217 Days

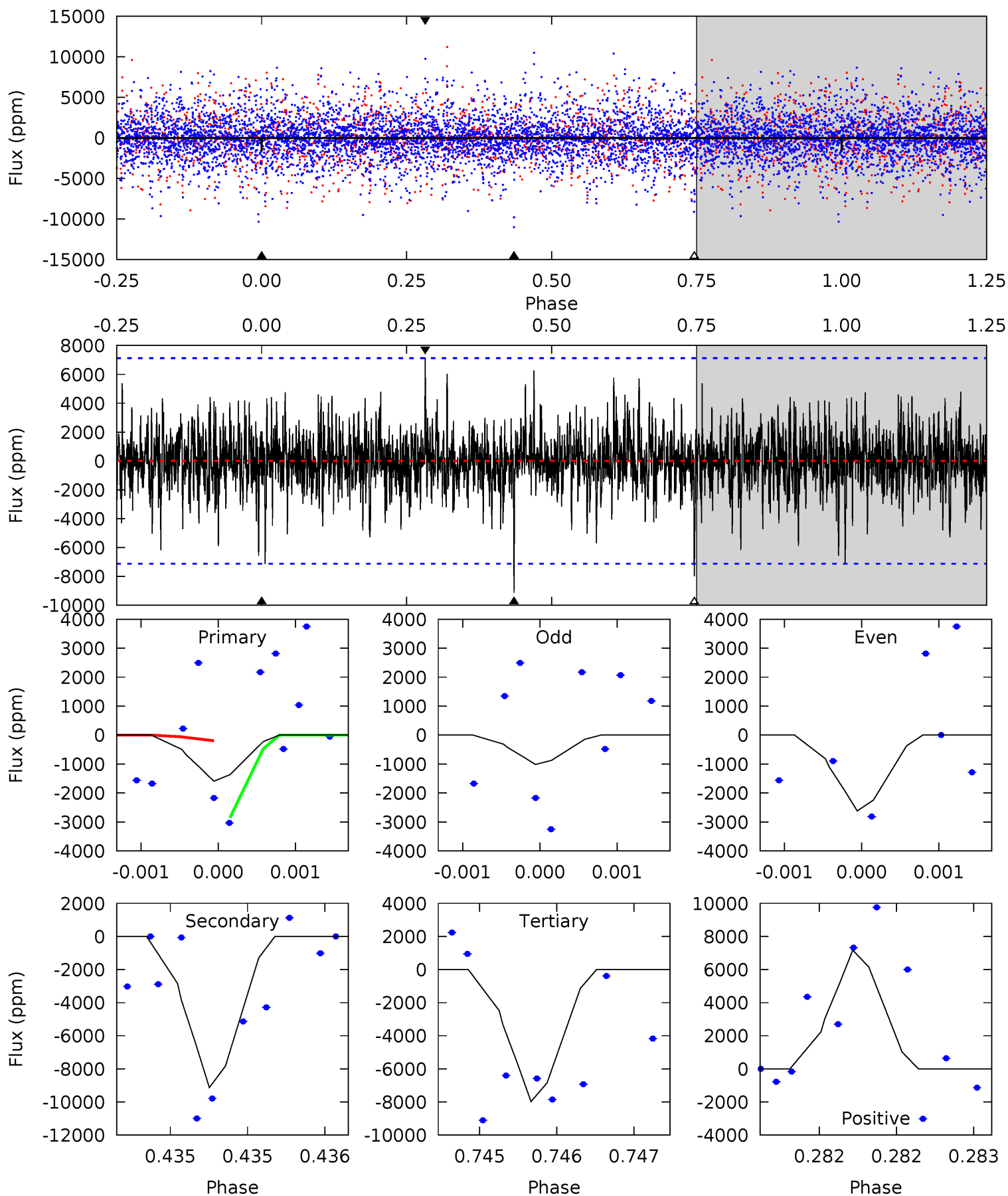
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

011759297-03, P = 39.525781 Days, E = 109.687812 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
1.23	7.04	6.15	5.52	5.49	3.35	1.24	-4.92	-4.30	0.89	1.51	0.53	1.00	0.44	1.04



Stellar Parameters For KIC 011759297

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6720^{+190}_{-261}	$3.824^{+0.424}_{-0.132}$	$-0.060^{+0.250}_{-0.300}$	$2.598^{+0.528}_{-1.144}$	$1.641^{+0.198}_{-0.430}$	$0.132^{+0.512}_{-0.050}$
	+3%/-4%	+11%/-3%	+417%/-500%	+20%/-44%	+12%/-26%	+388%/-38%
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 011759297-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 1000000	$18.32^{+20.58}_{-13.04}$	1266^{+90}_{-157}	3767^{+35960}_{-38270}	37^{+27288}_{-20222}
Alt.	-9131 ± 1297	$23.18^{+21.11}_{-15.42}$	1261^{+100}_{-141}	7018^{+8968}_{-1906}	659^{+5101}_{-477}

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 $A_{obs} \gg 1.0$

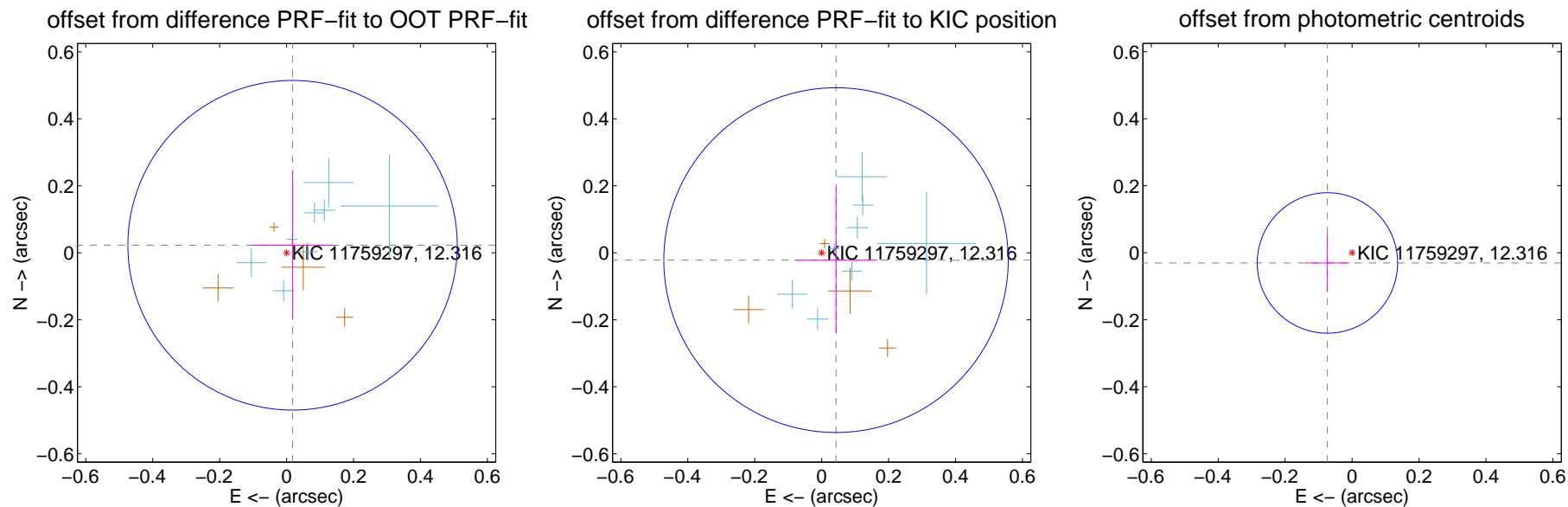
DV Centroid Data

Supplemental centroid analysis for 011759297-03. Kepler magnitude: 12.32. Transit SNR -1.00

There are 10 quarters with good PRF difference image offsets

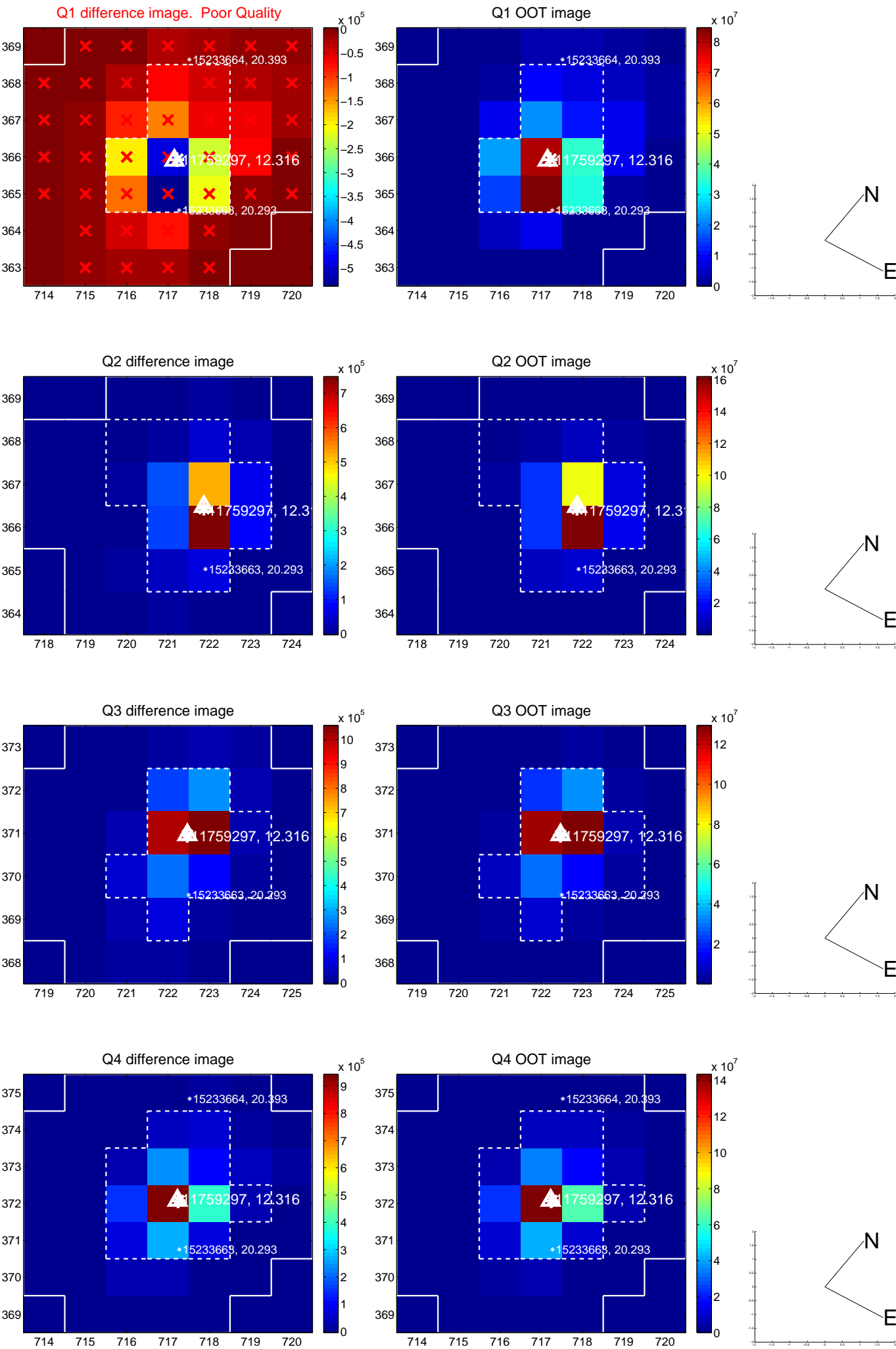
The direct PRF centroid is offset from the target star catalog position by about 0.08 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.029 ± 0.164	0.18	-0.018 ± 0.122	0.022 ± 0.222
PRF-fit source offset from KIC position	0.048 ± 0.172	0.28	-0.043 ± 0.124	-0.022 ± 0.217
photometric centroid source offset	0.08 ± 0.07	1.14	0.07 ± 0.07	-0.03 ± 0.09

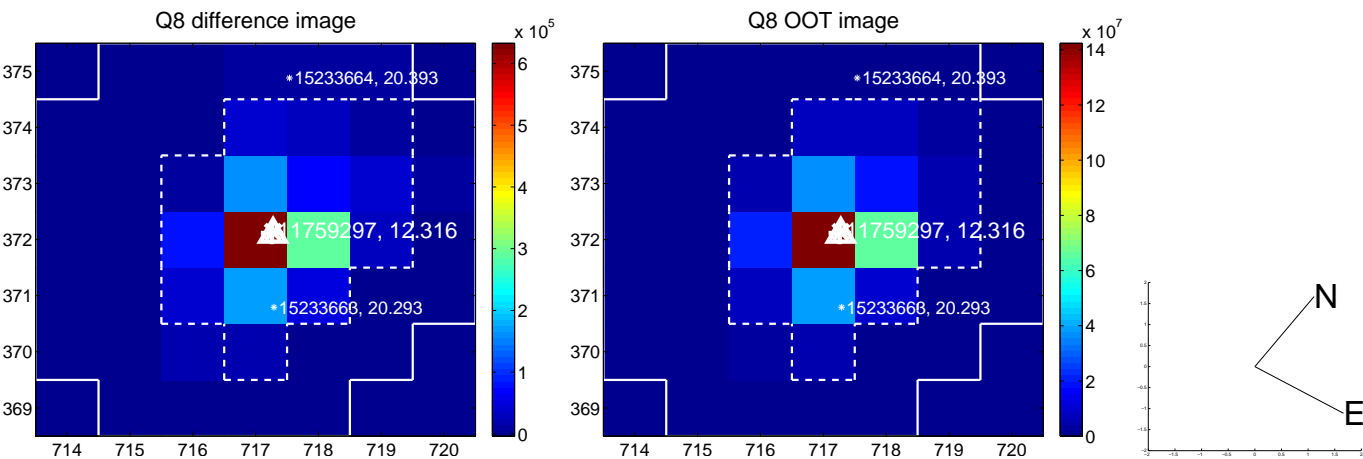
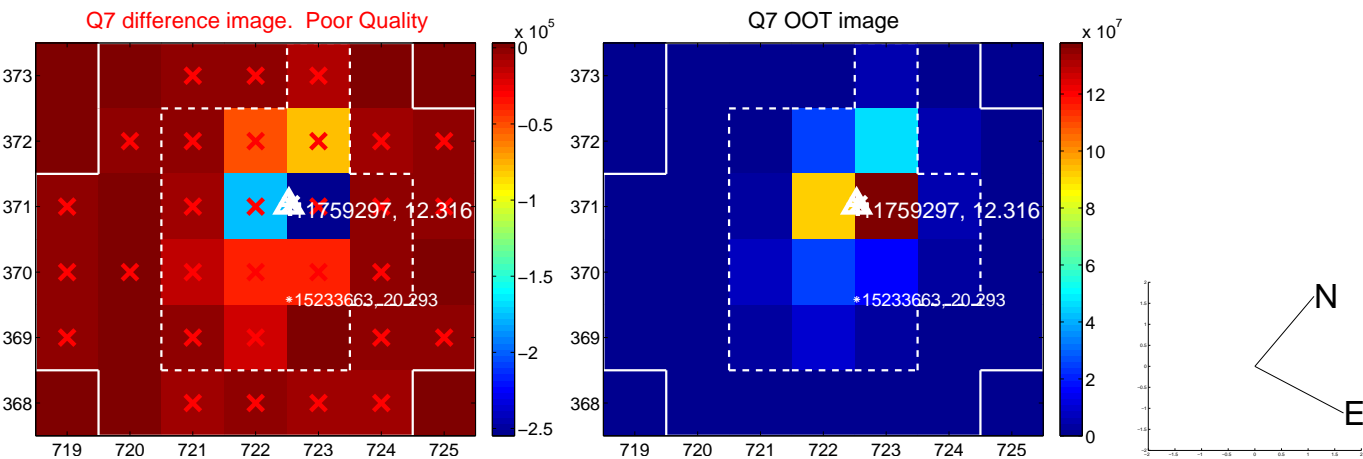
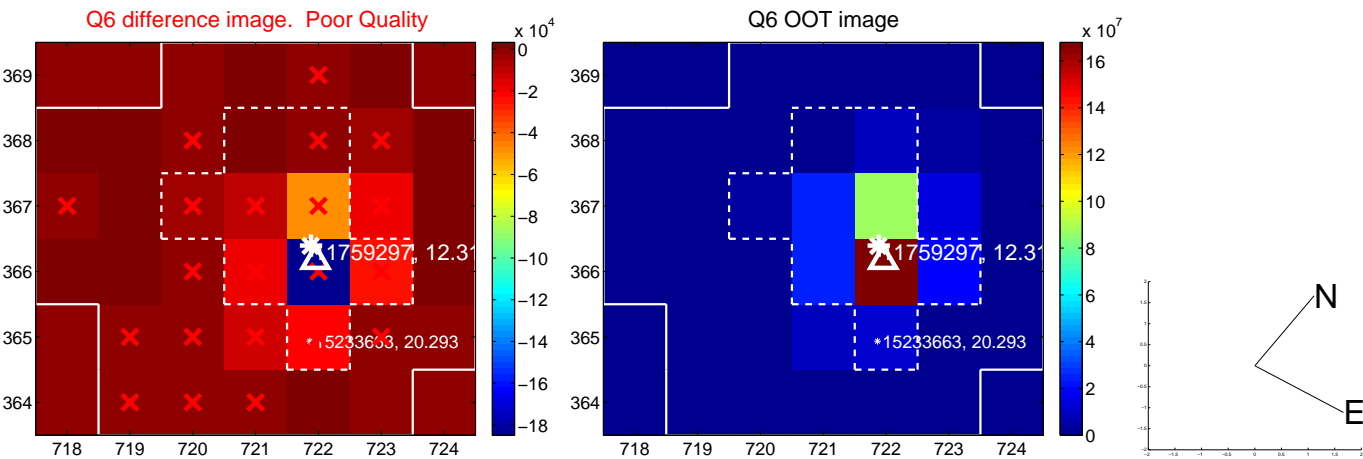
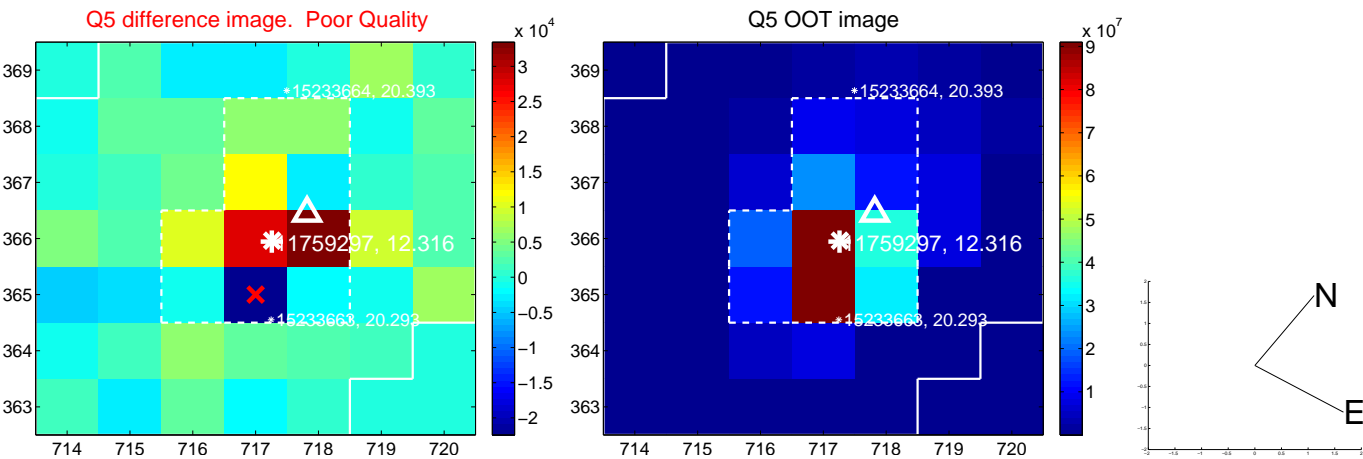


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

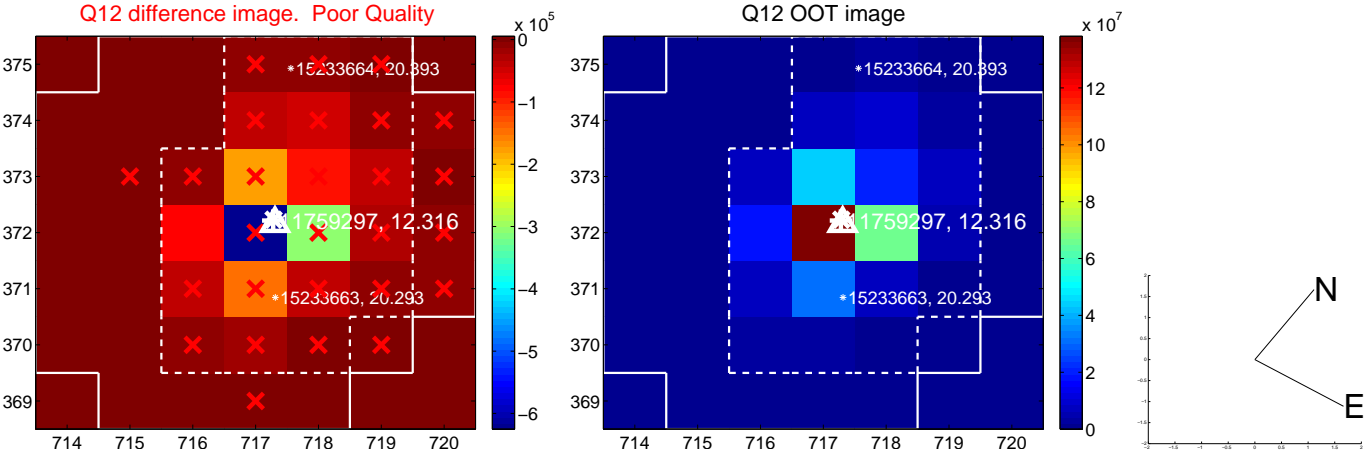
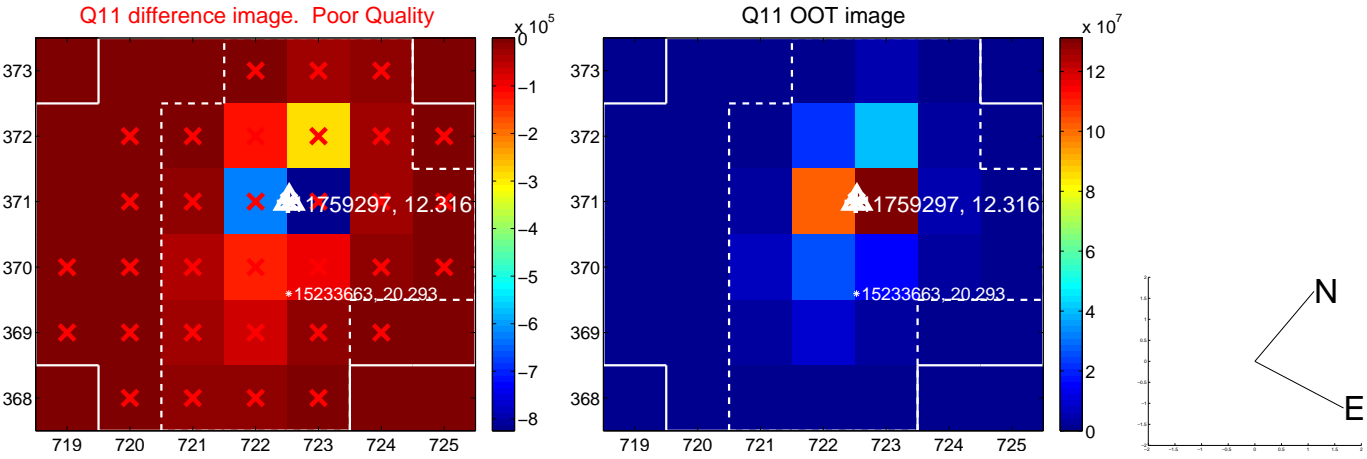
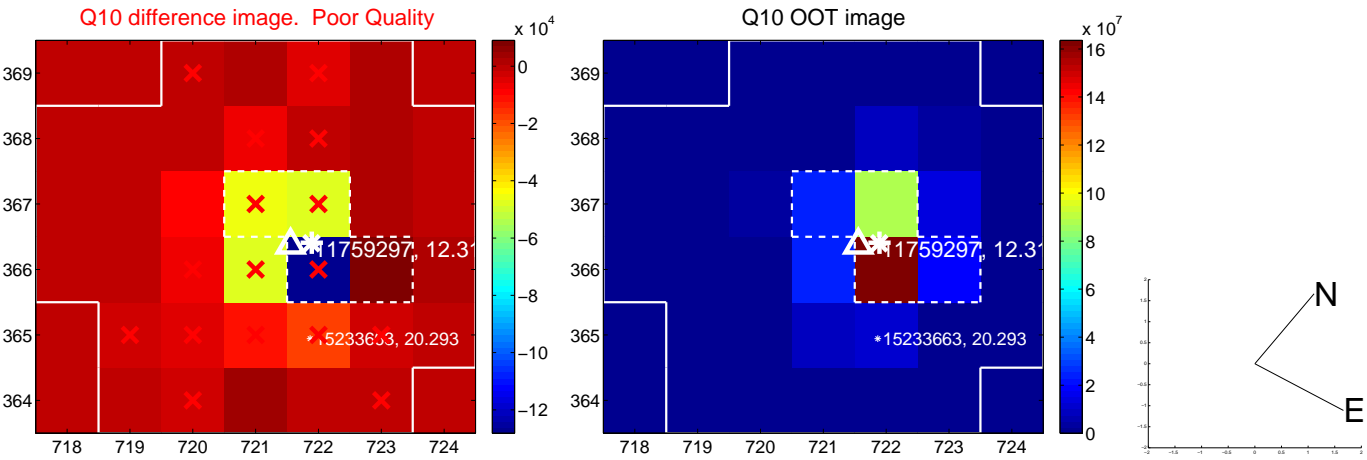
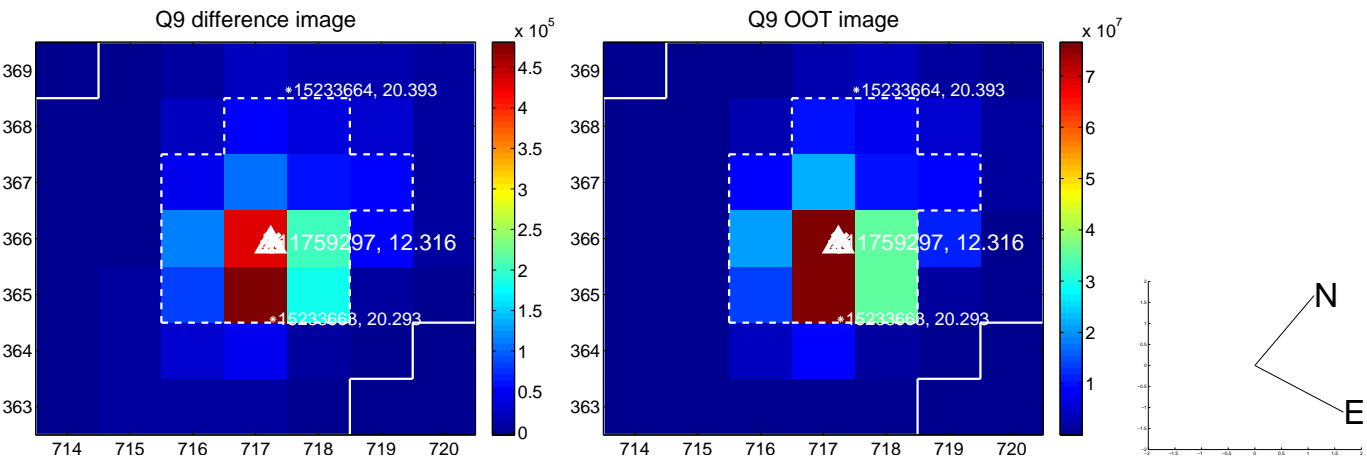
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



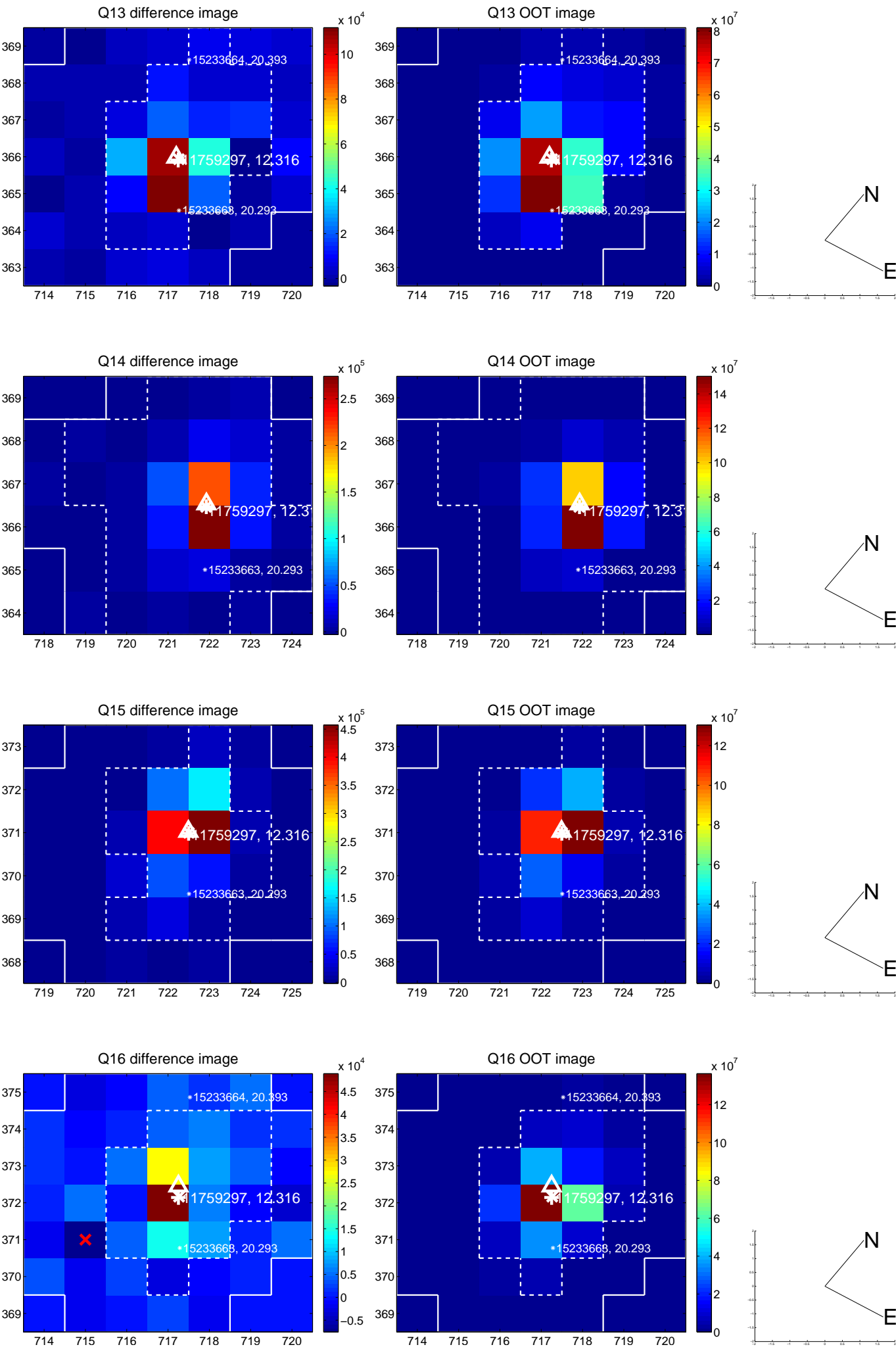
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



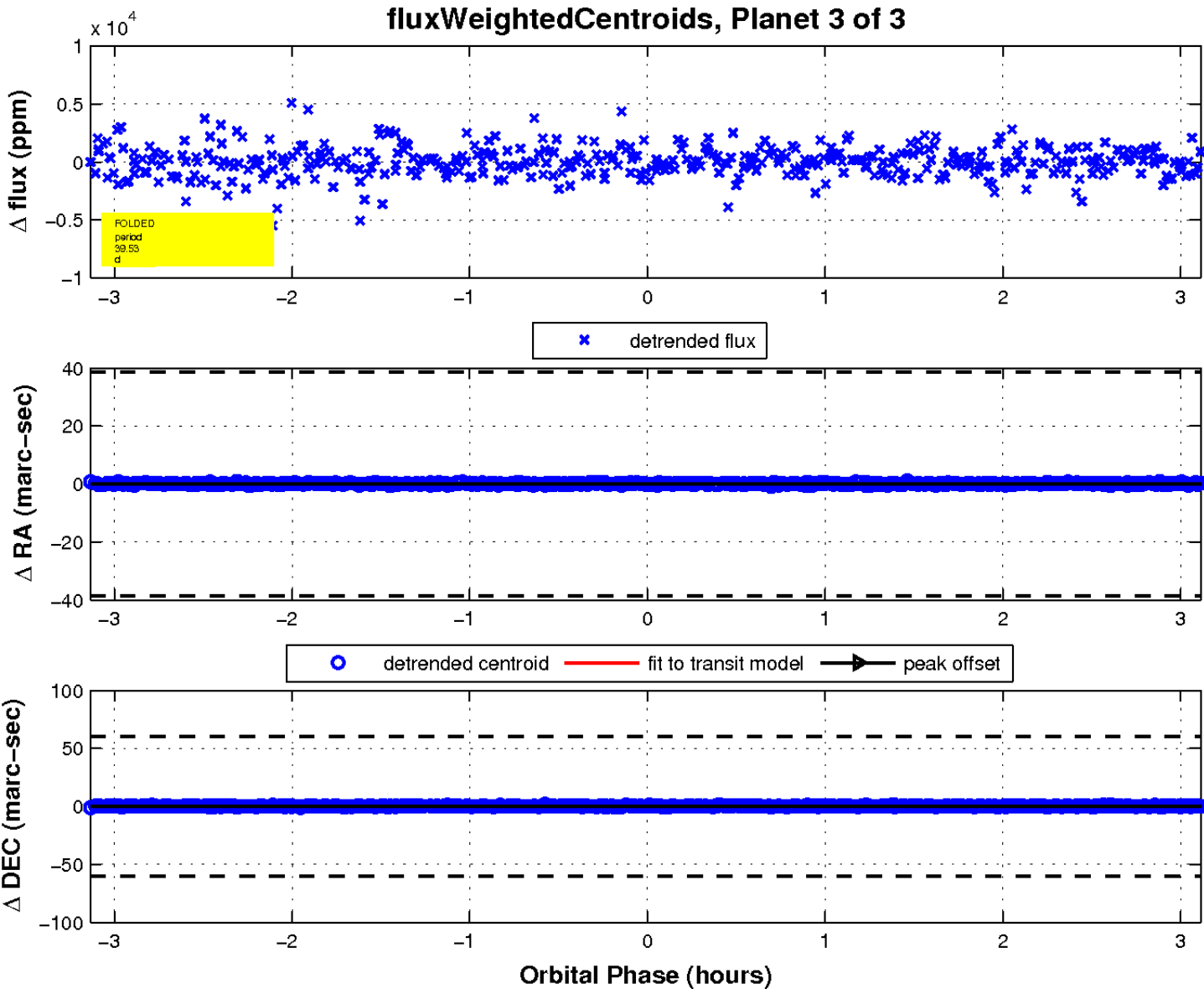
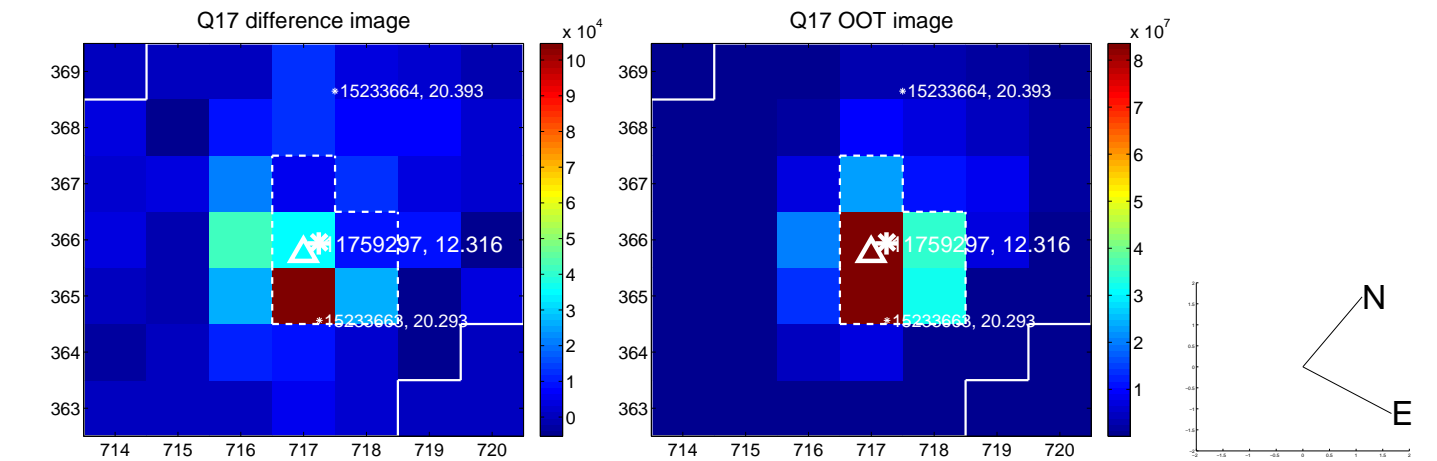
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



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



UKIRT Image

Declination

