

KIC 007449695

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})
007449695-01	OBS	No	1.122006	132.427381	487.5	6.078	14.9	14.5	0.51	3787	1.57	164.04
007449695-02	OBS	No	448.820613	243.641212	8673.9	36.334	12.7	8.8	0.51	3787	5.34	0.06
007449695-03	OBS	No	1.122075	131.819527	1778.3	3.000	14.6	-1.0	0.51	3787	2.11	164.02

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007449695-01	OBS	FP	0.00	1	0	0	0	LPP_DV—MOD_NONUNIQ_DV
007449695-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_CHASES—LPP_DV—LPP_ALT—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_NONUNIQ_ALT— INCONSISTENT_TRANS—CENT_FEW_DIFFS
007449695-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_NOFITS

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

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

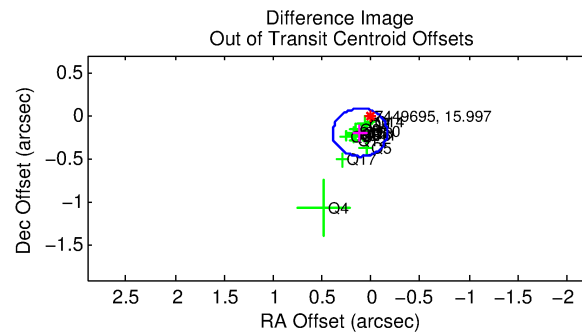
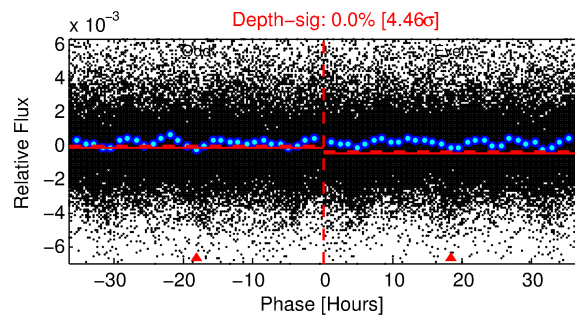
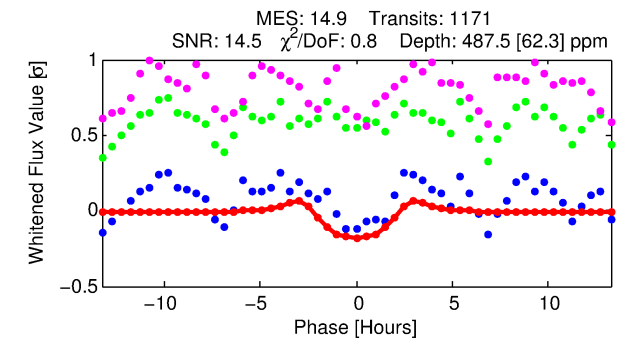
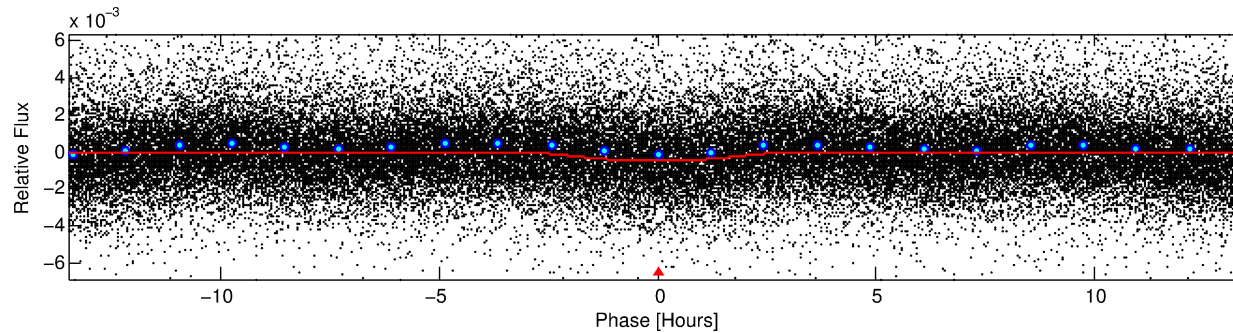
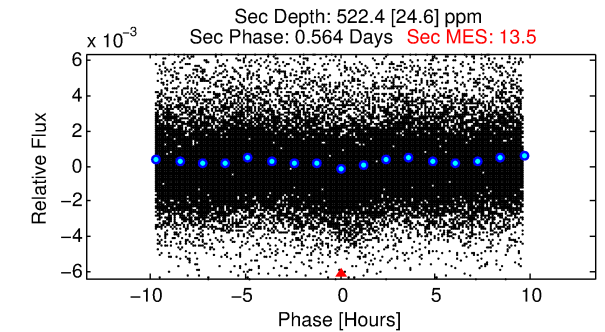
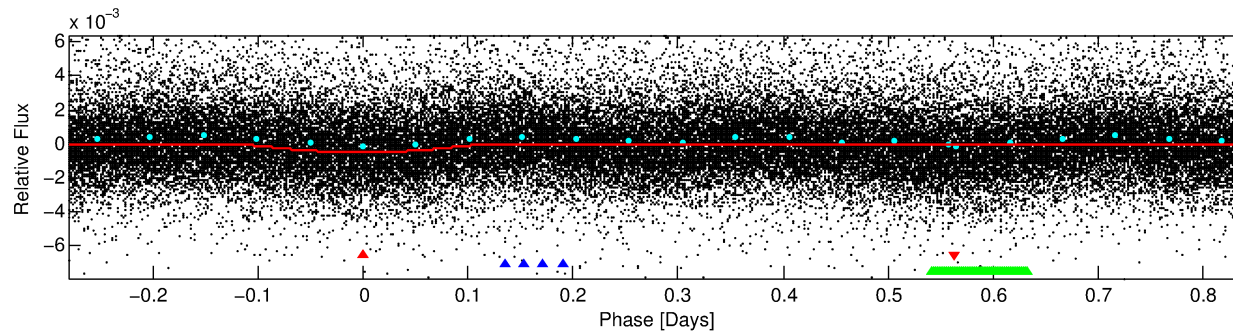
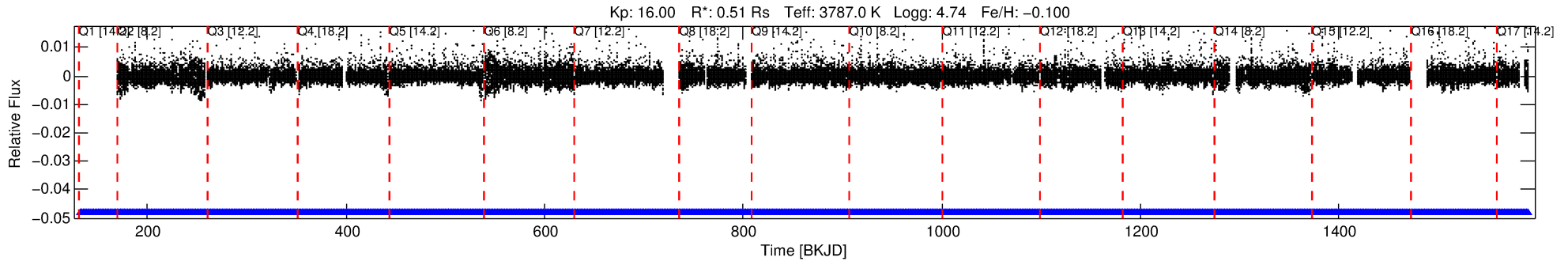
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007449695-01

No Significant Match Found

DV One-Page Summary

KIC: 7449695 Candidate: 1 of 3 Period: 1.122 d



DV Fit Results:

Period = 1.12201 [0.00001] d
Epoch = 132.4274 [0.0040] BKJD
Rp/R* = 0.0284 [0.0038]
a/R* = 1.10 [0.01]
b = 0.98 [0.01]
Seff = 164.04 [22.58]
Teq = 913 [31] K
Rp = 1.57 [0.26] Re
a = 0.0169 [0.0013] AU
Ag = 33.53 [9.67] [3.36σ]
Teffp = 3395 [240] K [10.25σ]

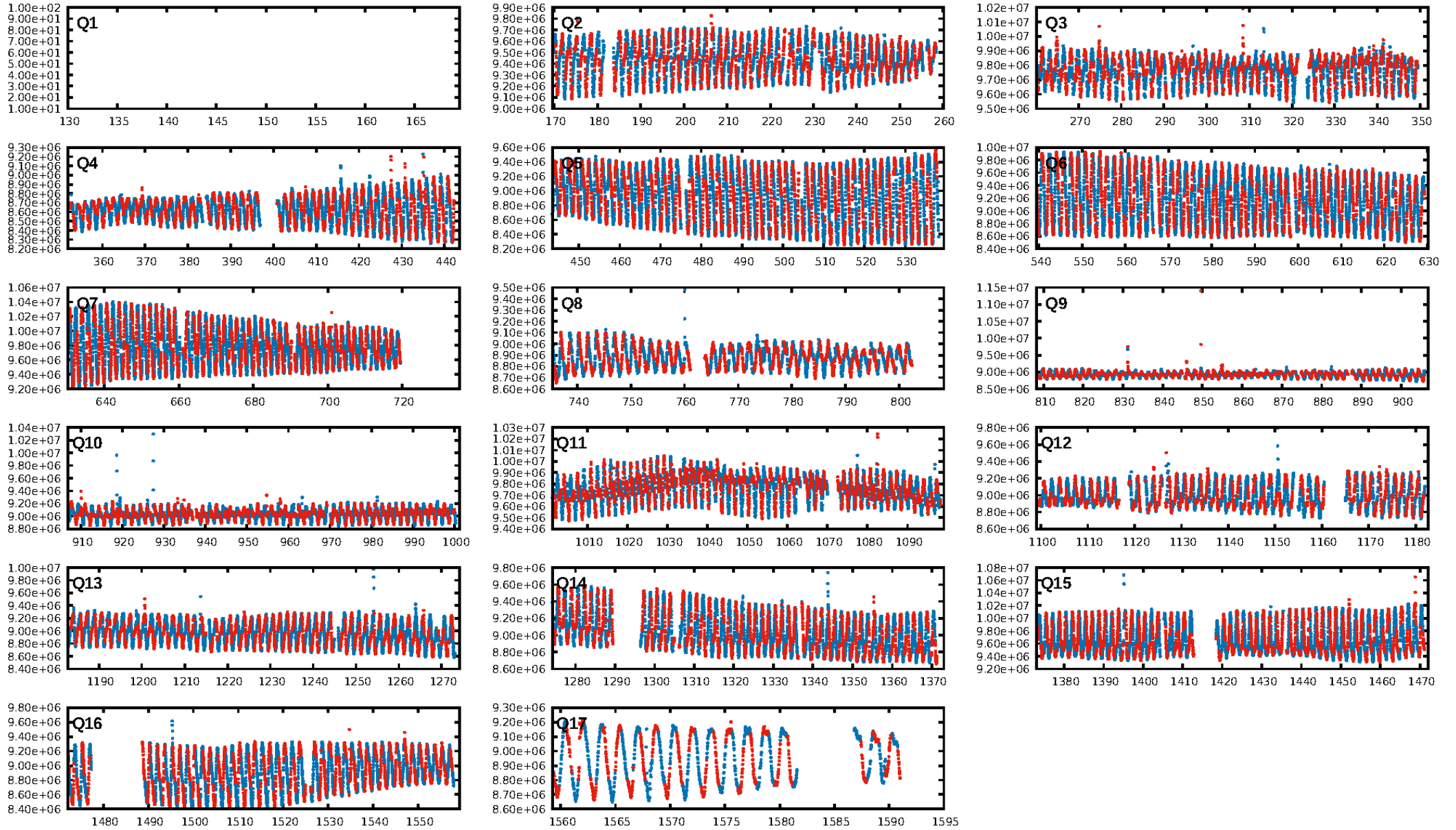
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 3.80e-49
RollingBand-fgt: 1.00 [1147/1147]
GhostDiagnostic-chr: 3.644
Centroid-sig: 0.0%
Centroid-so: 1.178 arcsec [4.41σ]
OotOffset-rm: 0.222 arcsec [2.40σ]
KicOffset-rm: 0.239 arcsec [3.32σ]
OotOffset-st: 4/4/4 [16]
KicOffset-st: 4/4/4 [16]
DiffImageQuality-fgm: 1.00 [16/16]
DiffImageOverlap-fno: 0.00 [0/16]

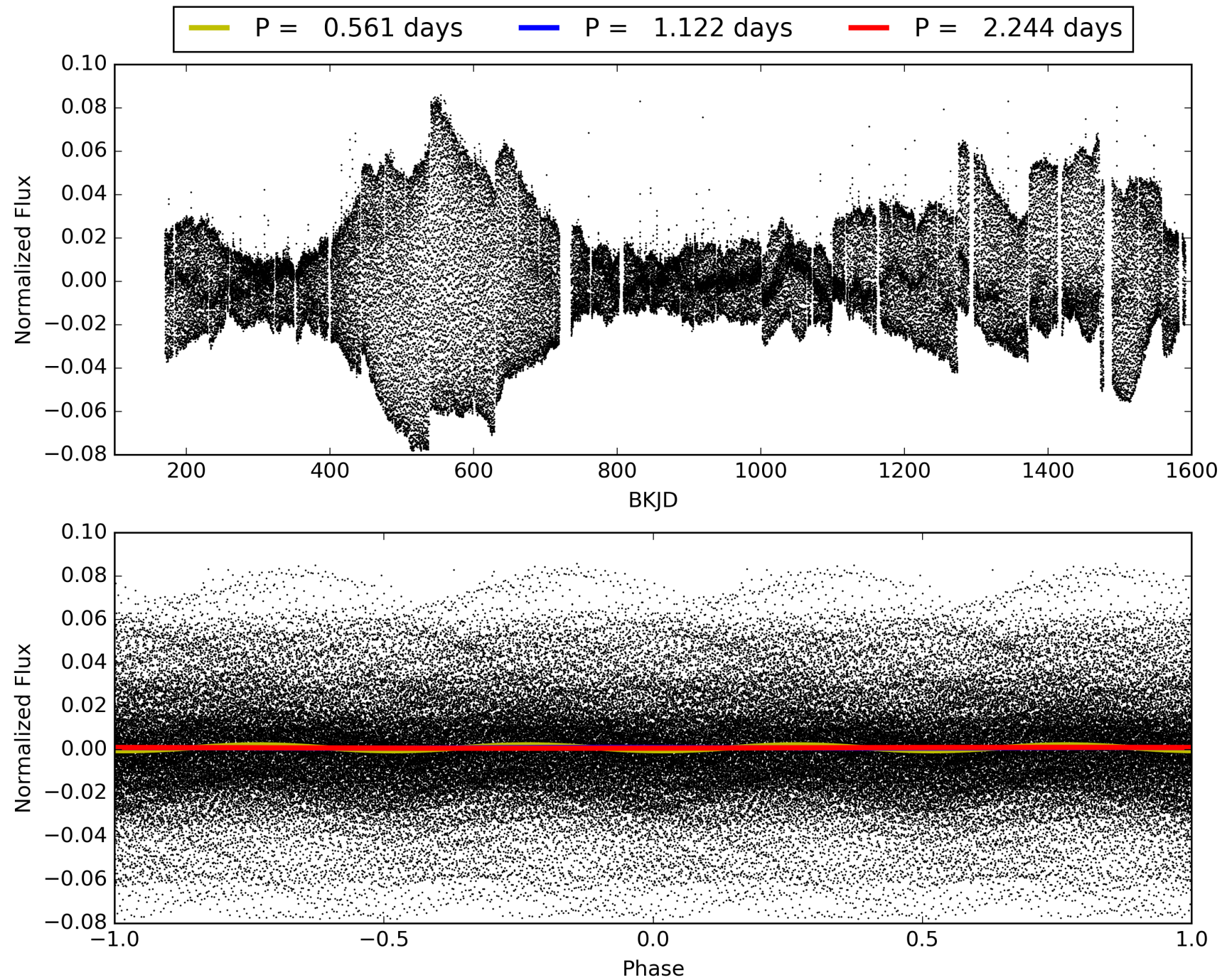
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 10:59:55 Z

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

TCE 007449695-01, PDC Light Curves

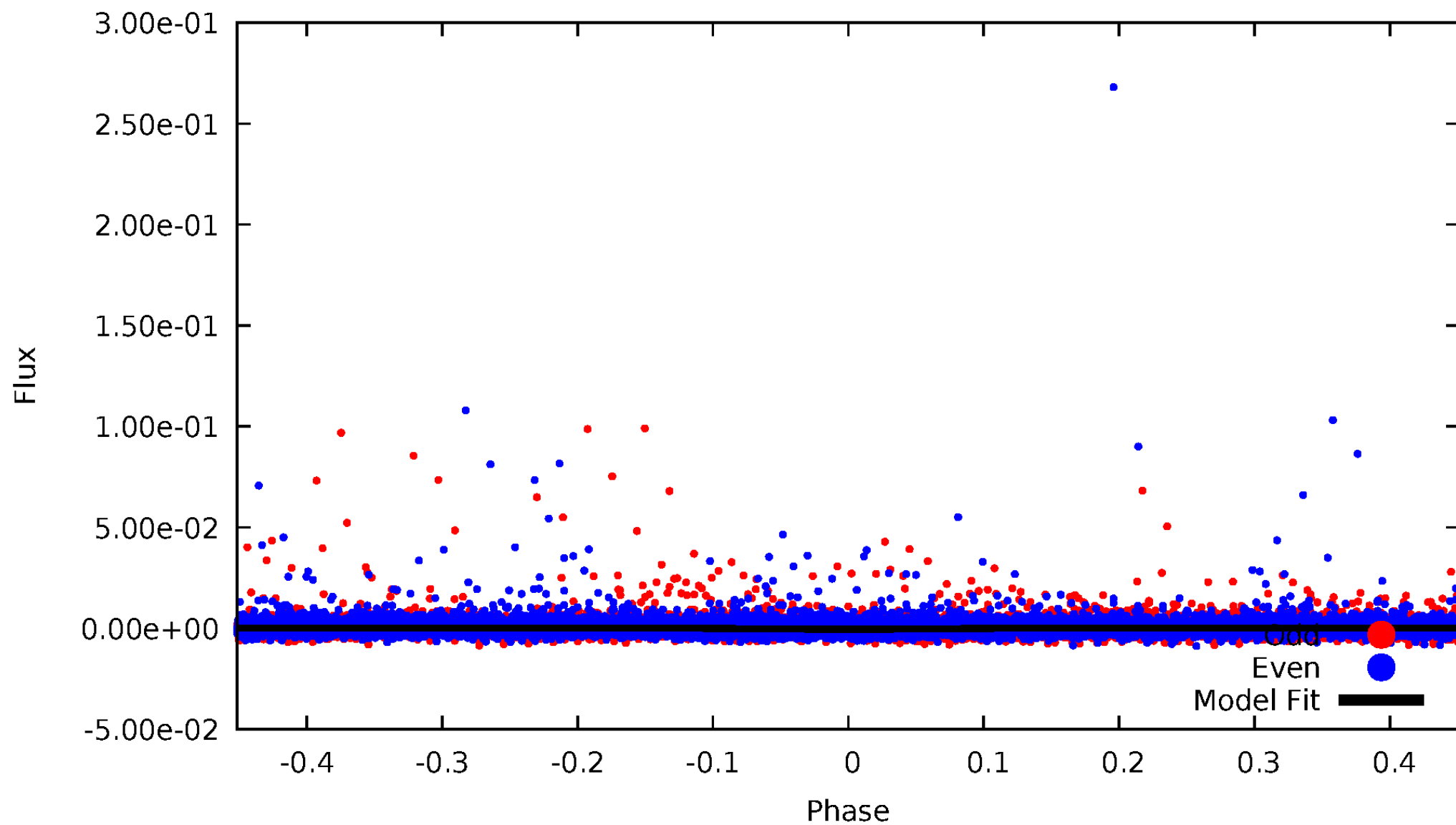


TCE 007449695-01



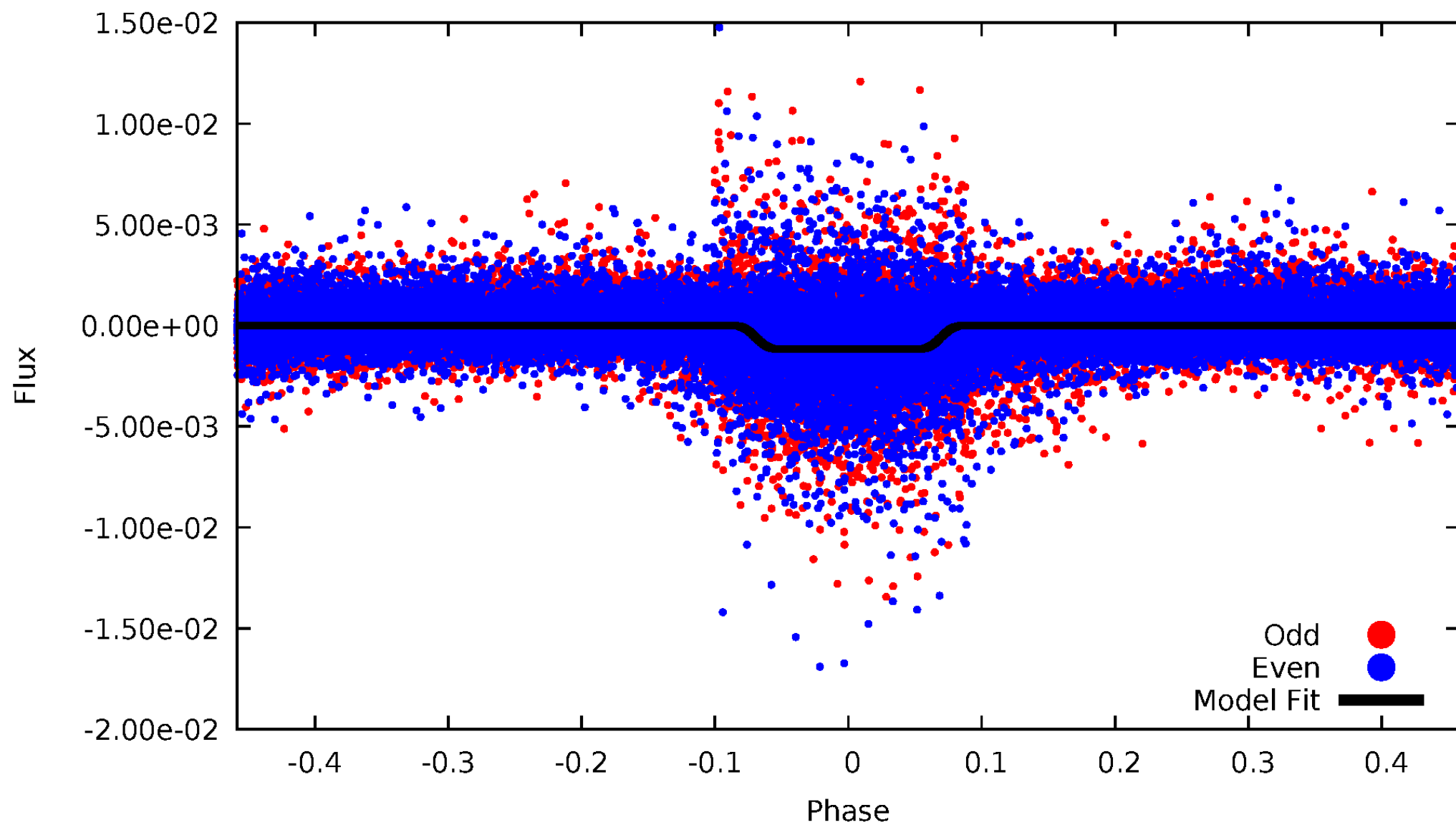
DV Odd/Even

TCE 007449695-01



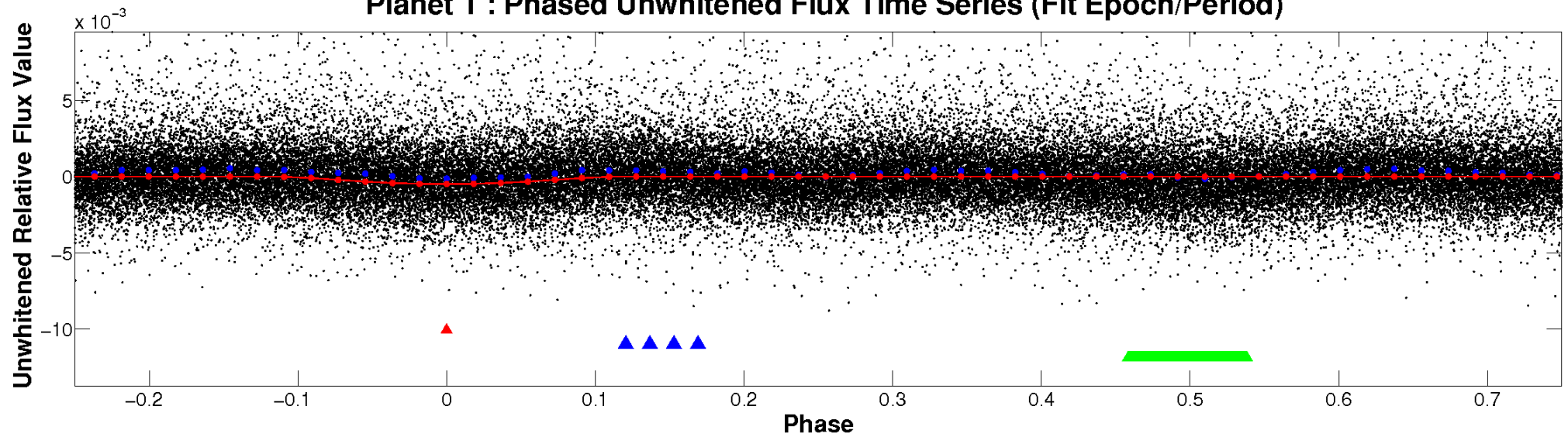
ALT Odd/Even

TCE 007449695-01

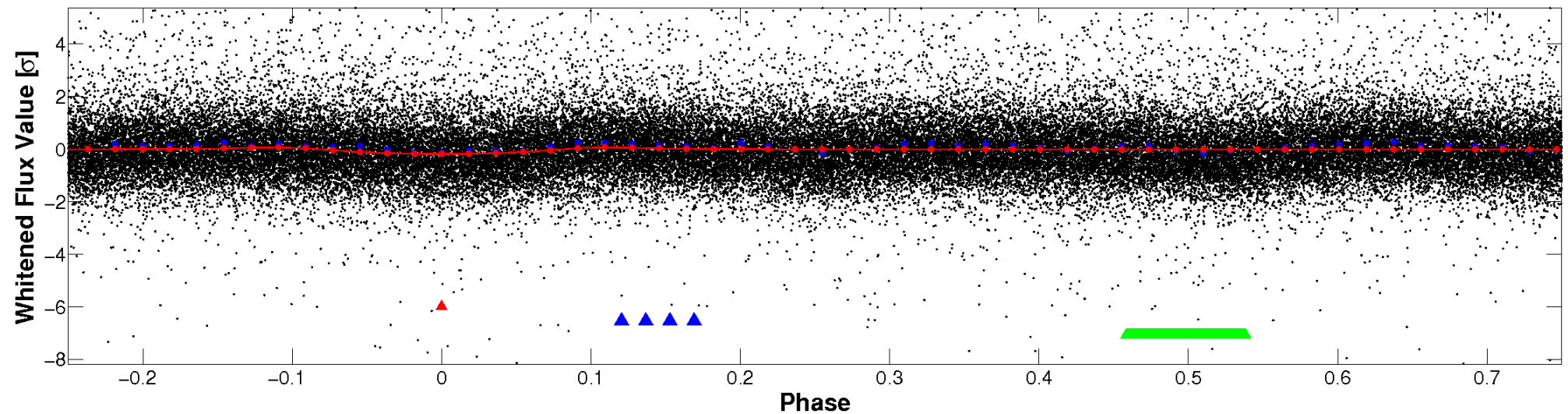


Non-Whitened Vs. Whitened Light Curve

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

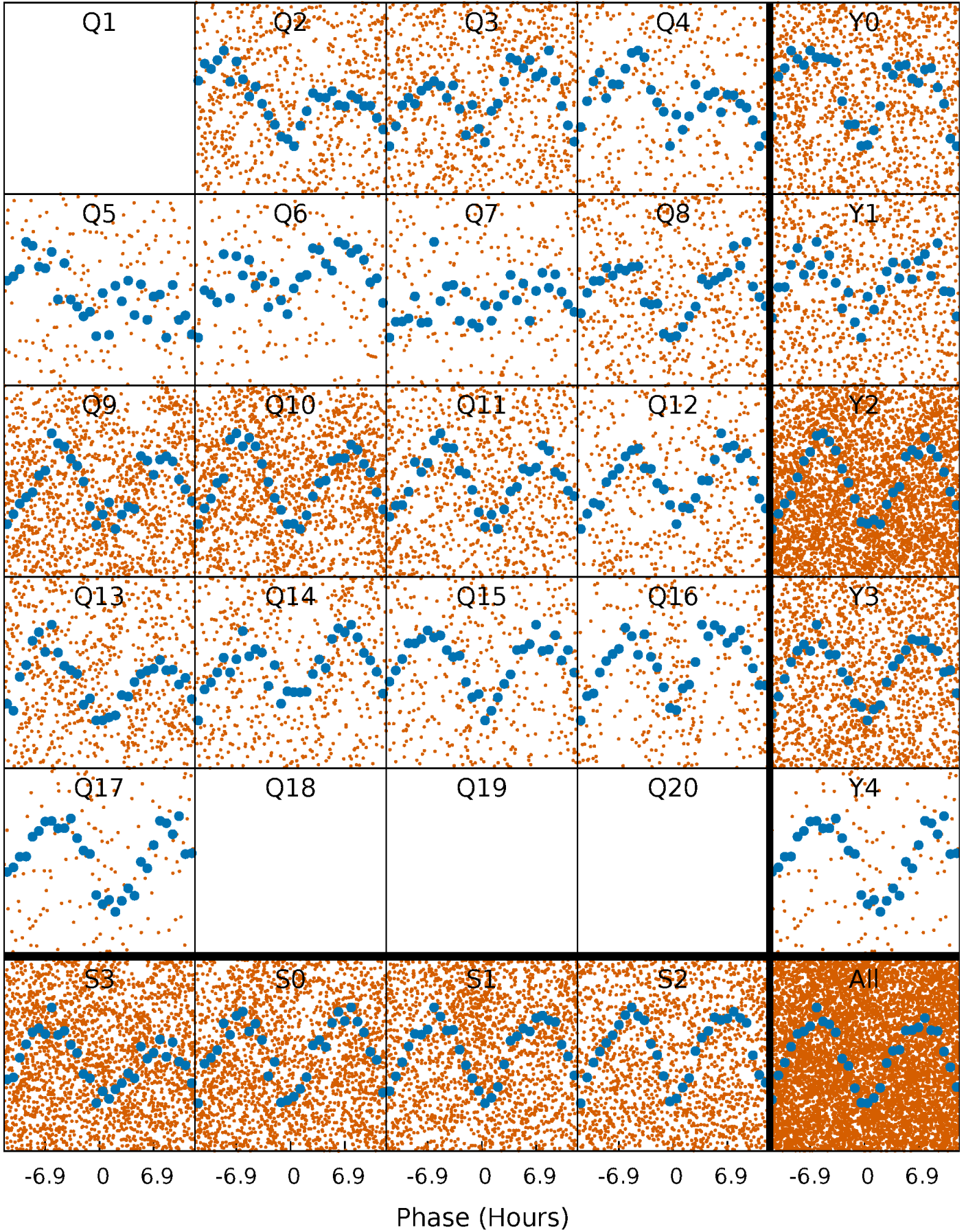


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



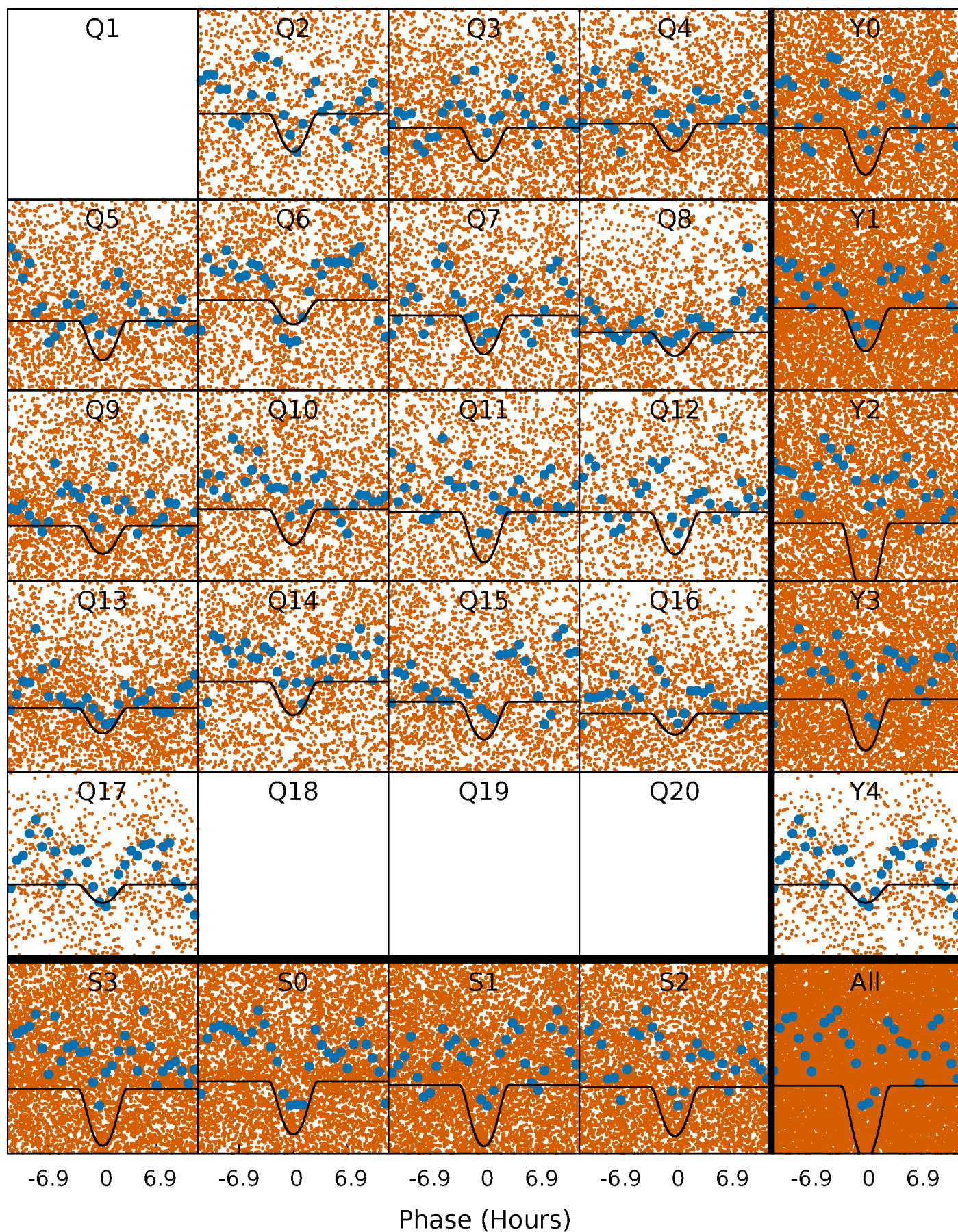
PDC Quarter-Phased Transit Curves

TCE 007449695-01 P= 1.122006 Days $T_0=132.427381$ (BKJD)



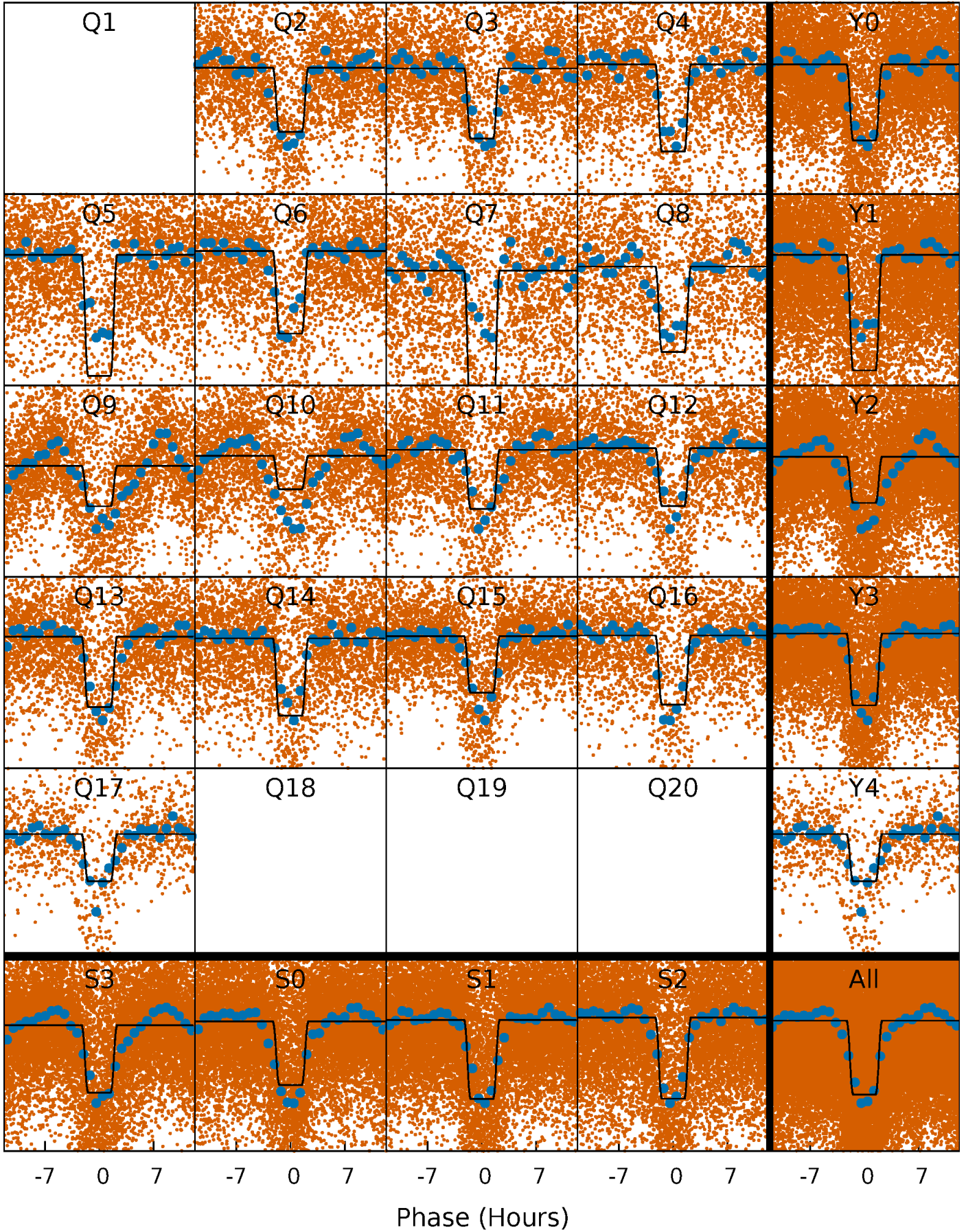
DV Quarter-Phased Transit Curves

TCE 007449695-01 P= 1.122006 Days $T_0=132.427381$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

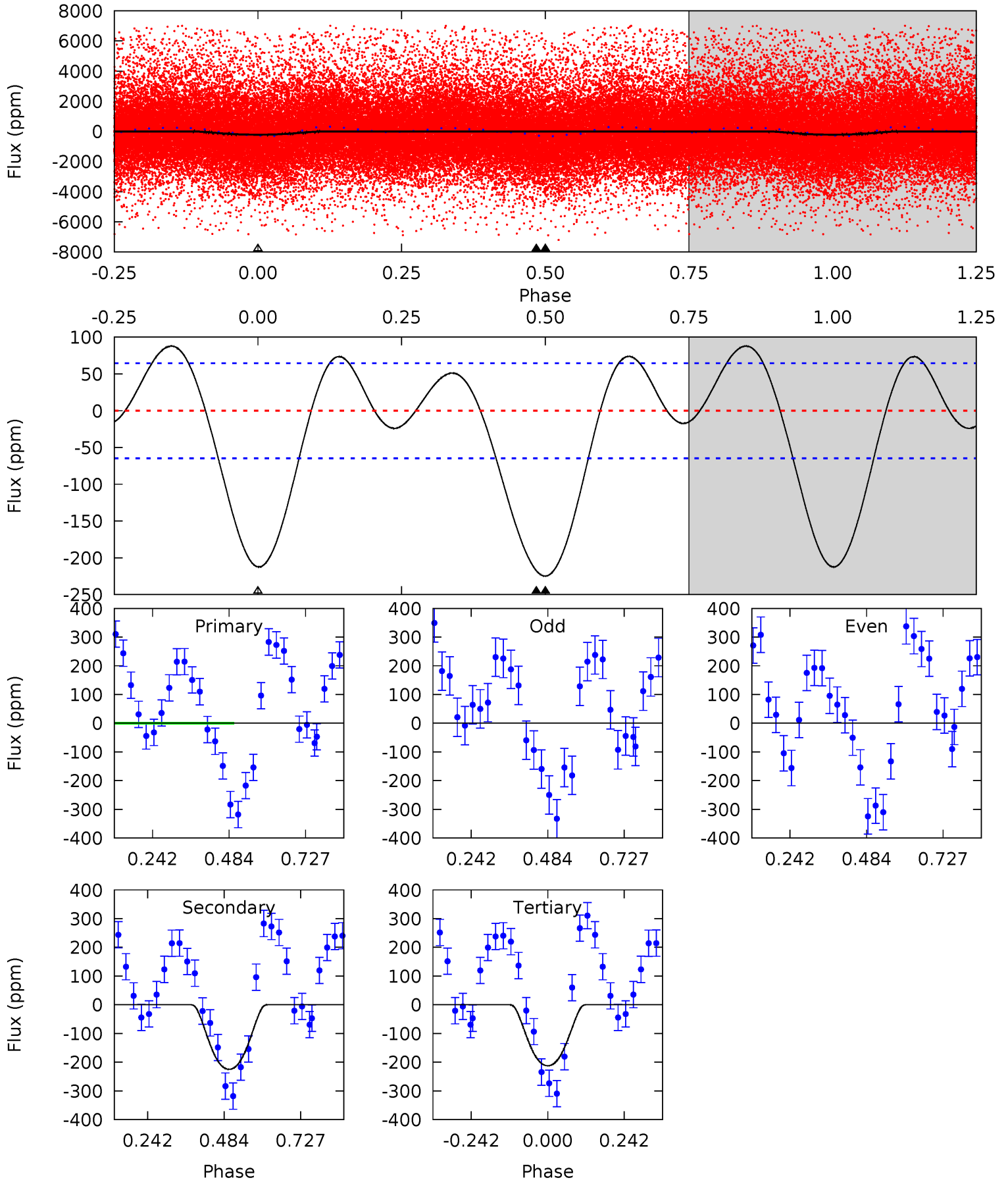
TCE 007449695-01 P= 1.122041 Days $T_0=132.416470$ (BKJD)



DV Model-Shift Uniqueness Test

007449695-01, P = 1.122006 Days, E = 132.427381 Days

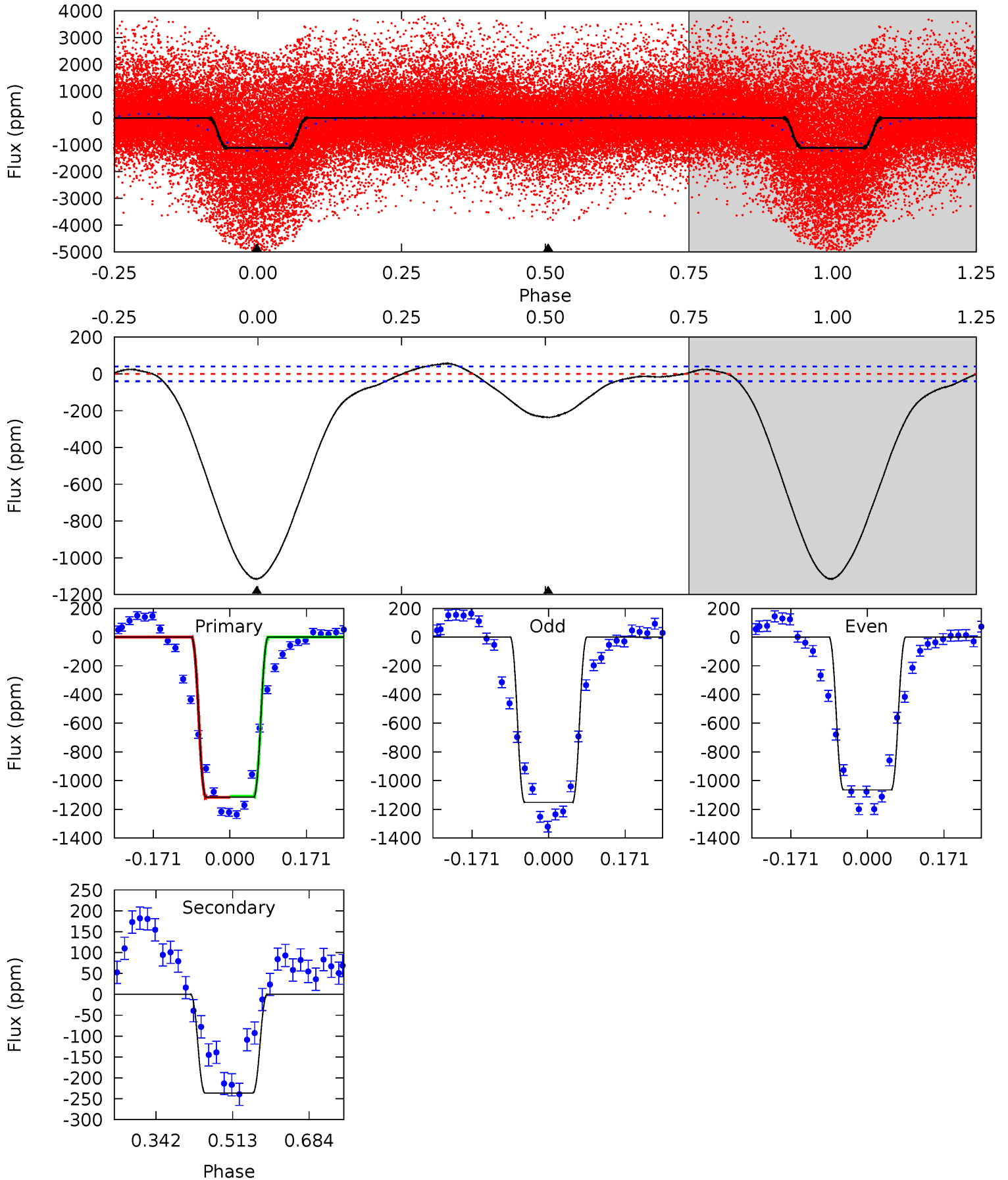
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
14.7	15.2	14.4	0	4.38	1.17	6.34	0.35	14.7	0.85	15.2	0.94	-0.16	0.28	2.64



Alt Model-Shift Uniqueness Test

007449695-01, P = 1.122041 Days, E = 132.416470 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
123.9	26.2	0	0	4.45	1.37	4.30	123.9	123.9	26.2	26.2	4.86	1.08	0.05	0.43



Stellar Parameters For KIC 007449695

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (g \cdot \text{cm}^{-3})$
	3787^{+84}_{-84}	$4.742^{+0.052}_{-0.028}$	$-0.100^{+0.200}_{-0.200}$	$0.505^{+0.038}_{-0.052}$	$0.514^{+0.044}_{-0.044}$	$5.610^{+1.409}_{-0.722}$
	+2%/-2%	+1%/-1%	+200%/-200%	+8%/-10%	+9%/-9%	+25%/-13%
Source	PHO2	PHO2	PHO2	DSEP		

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

Secondary Eclipse Parameters for KIC 007449695-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-225 ± 15	$1.55^{+0.22}_{-0.22}$	1268^{+34}_{-37}	3095^{+147}_{-131}	15^{+5}_{-3}
Alt.	-236 ± 9	$1.86^{+0.22}_{-0.22}$	1269^{+35}_{-37}	2957^{+112}_{-98}	11^{+3}_{-2}

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 $A_{obs} \gg 1.0$

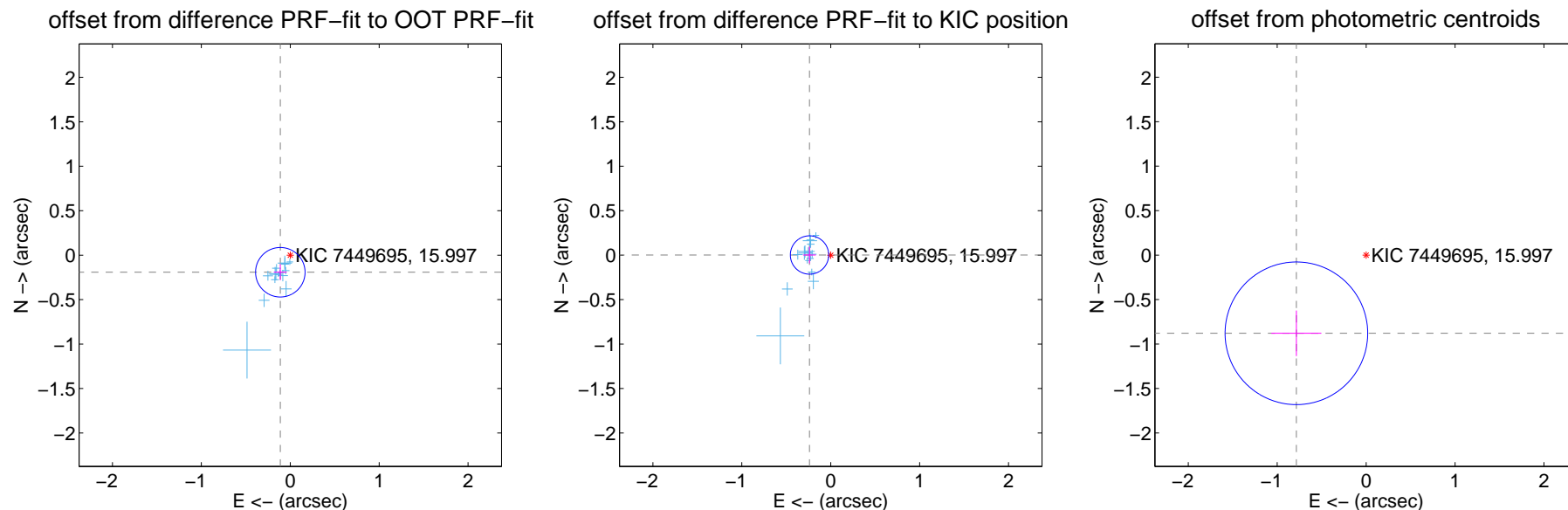
DV Centroid Data

Supplemental centroid analysis for 007449695-01. Kepler magnitude: 16.00. Transit SNR 14.52

There are 16 quarters with good PRF difference image offsets

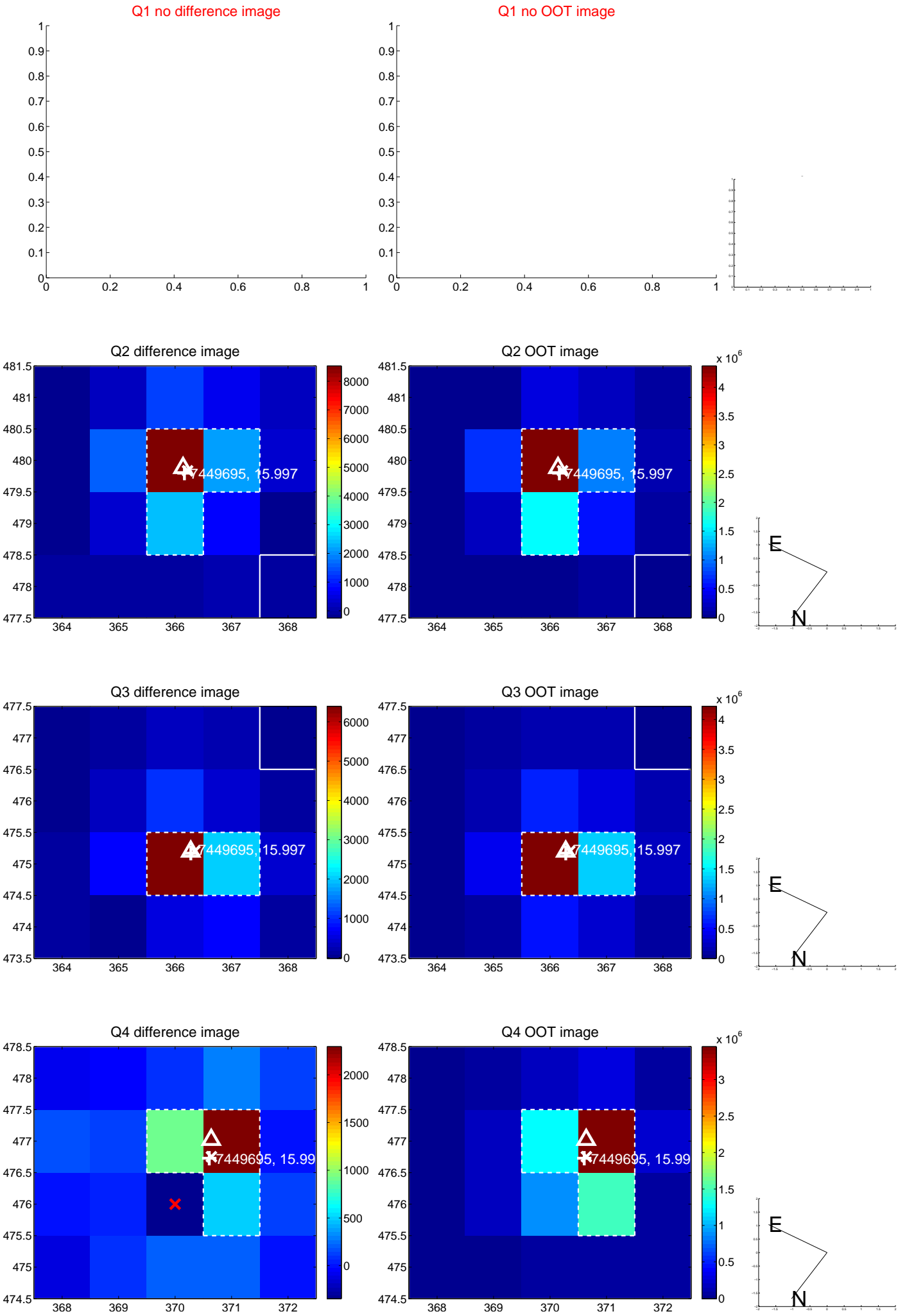
The direct PRF centroid is offset from the target star catalog position by about 0.23 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.222 ± 0.093	2.40	0.112 ± 0.073	-0.192 ± 0.089
PRF-fit source offset from KIC position	0.239 ± 0.072	3.32	0.238 ± 0.072	0.002 ± 0.094
photometric centroid source offset	1.18 ± 0.27	4.41	0.78 ± 0.28	-0.88 ± 0.26

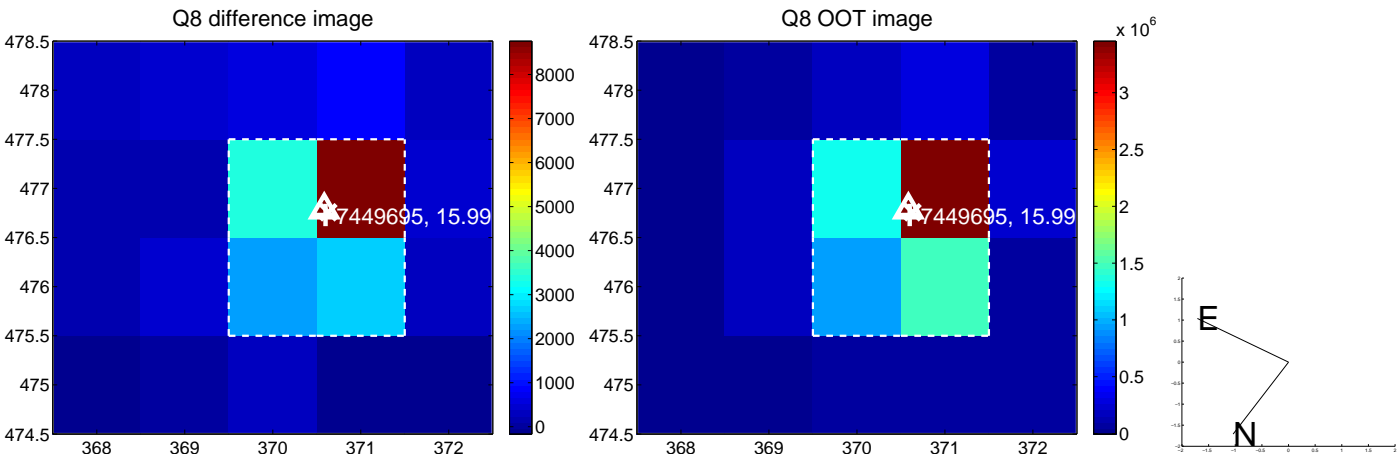
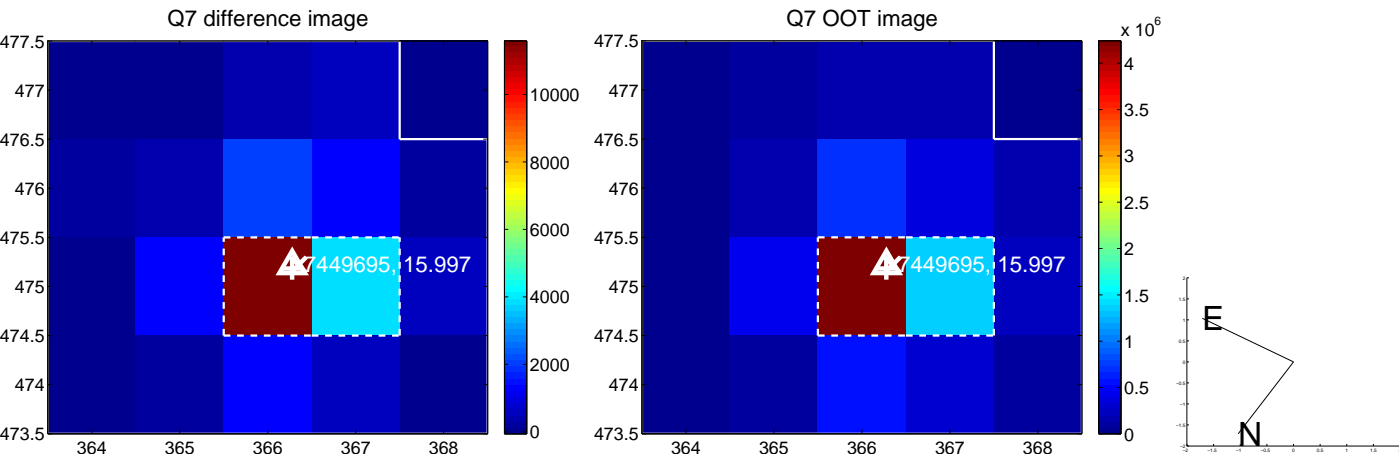
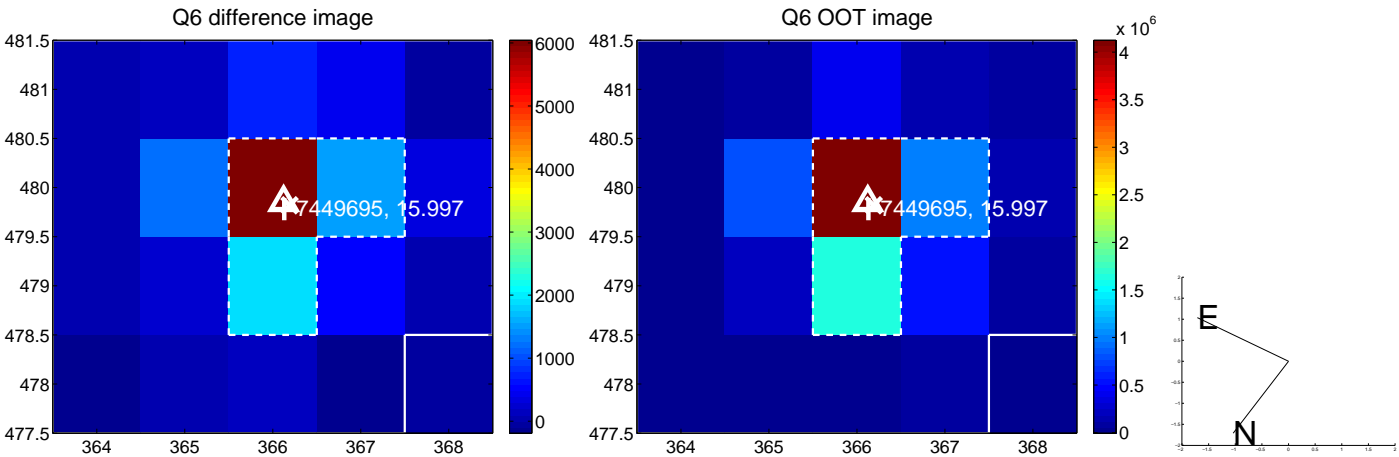
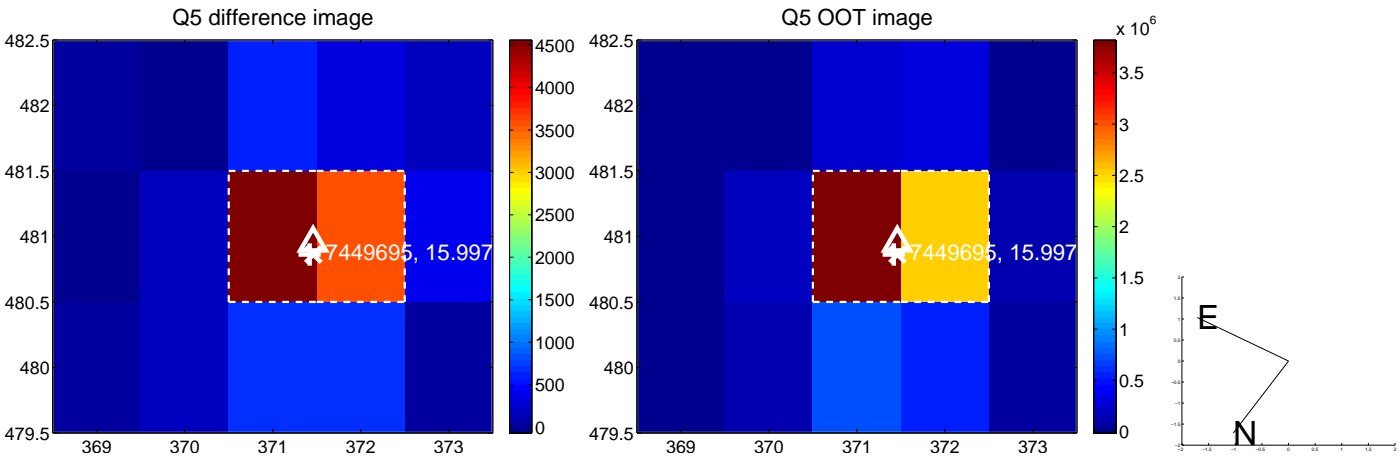


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

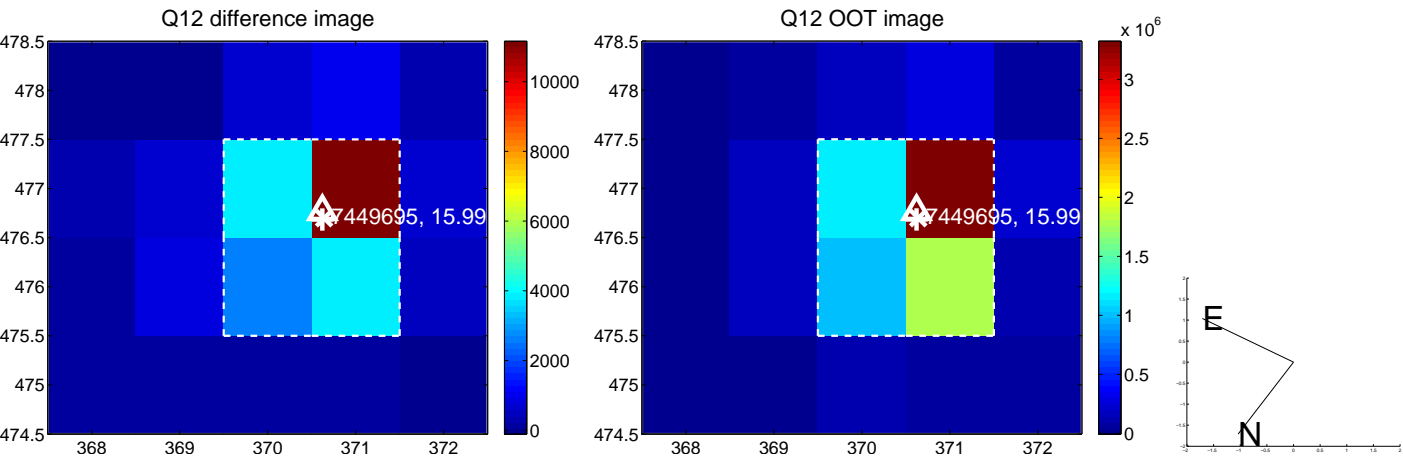
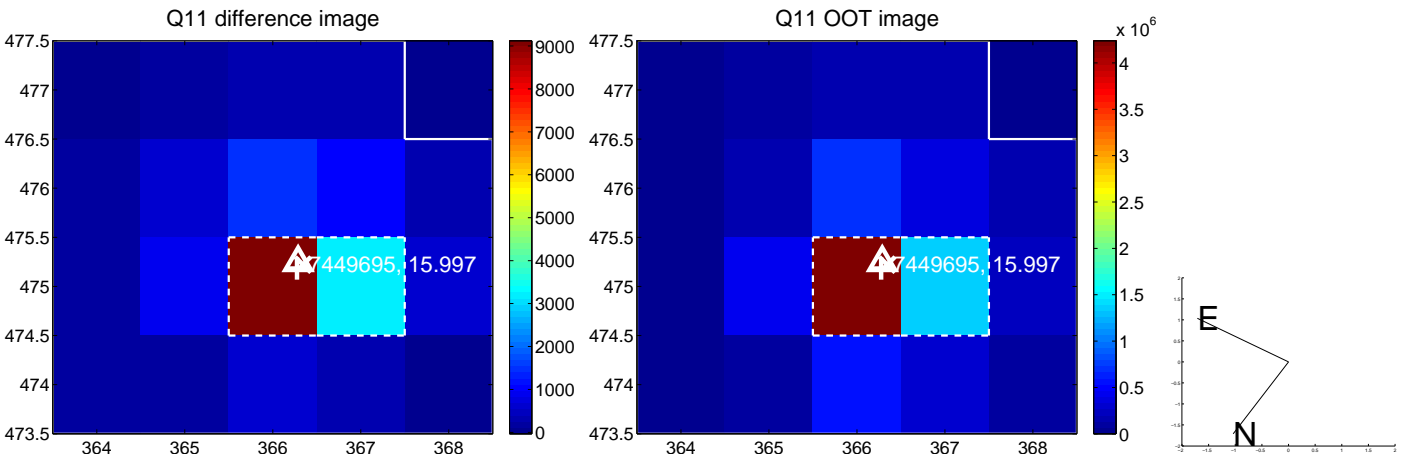
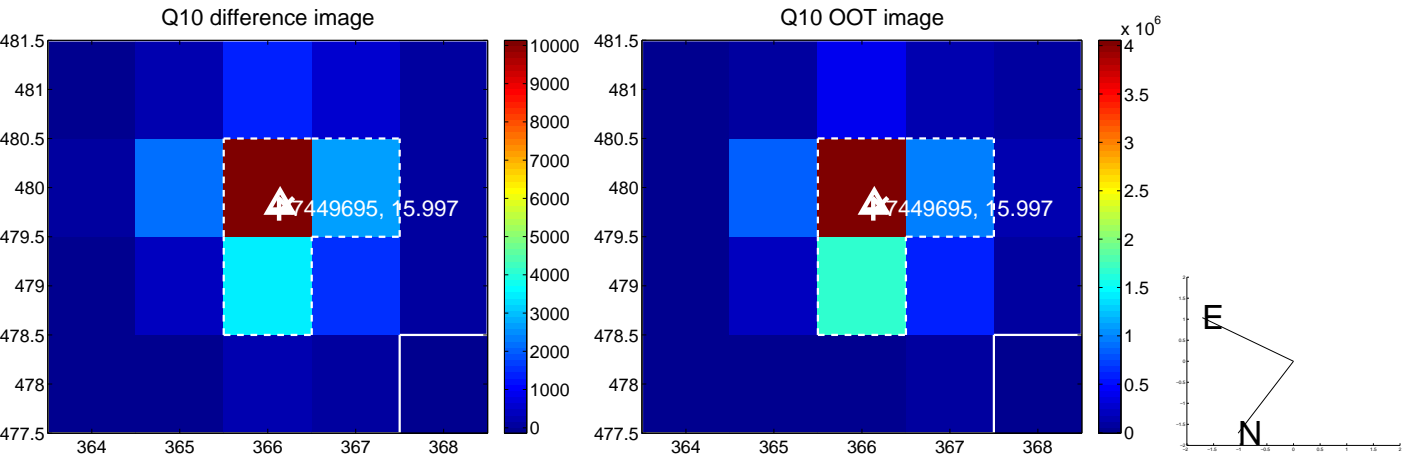
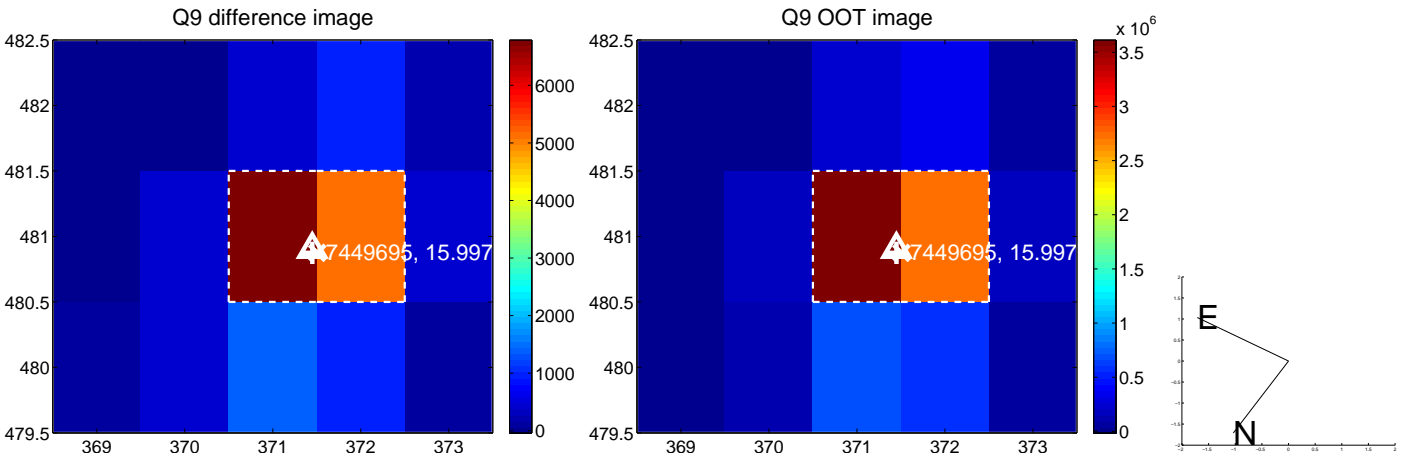
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



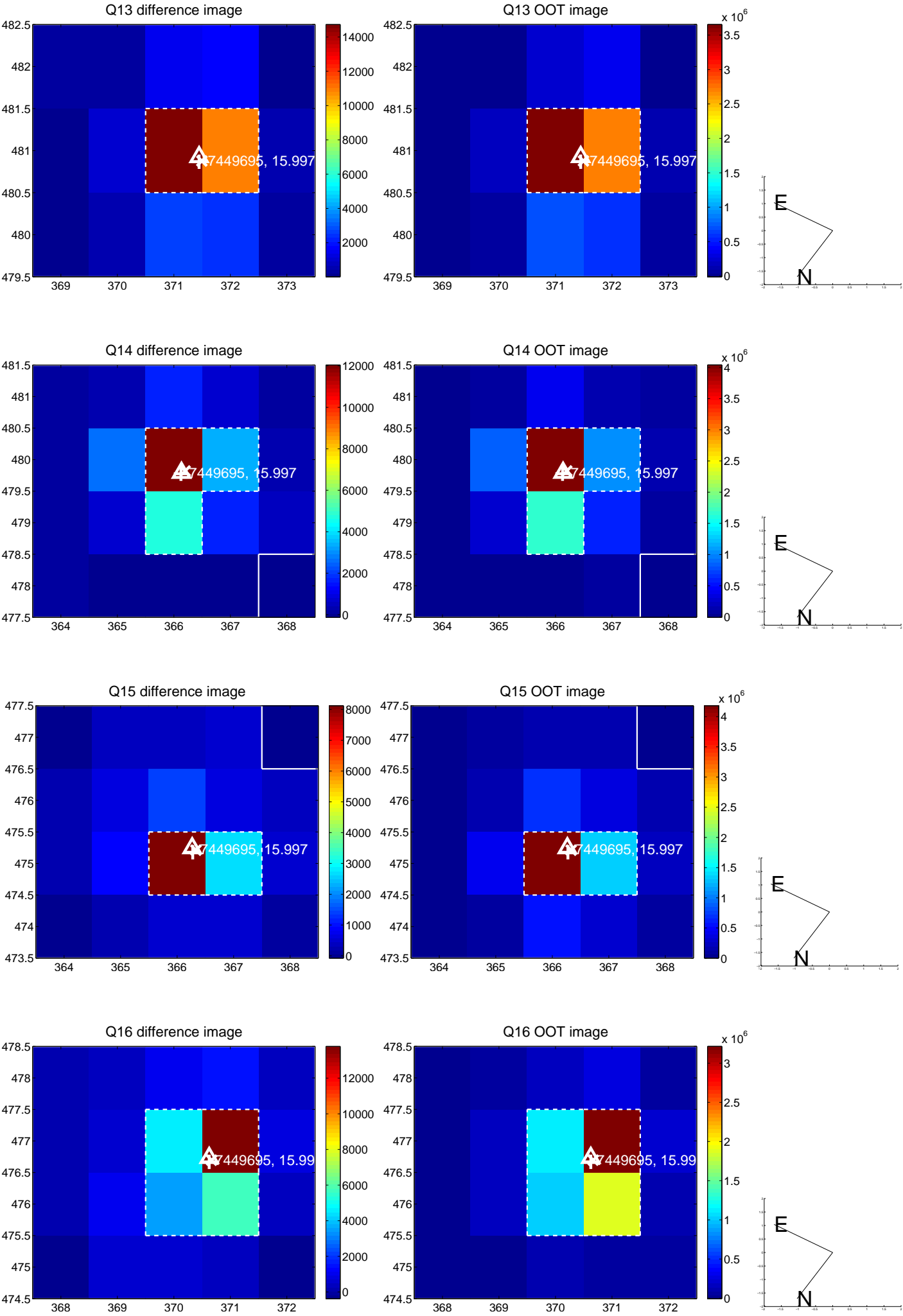
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



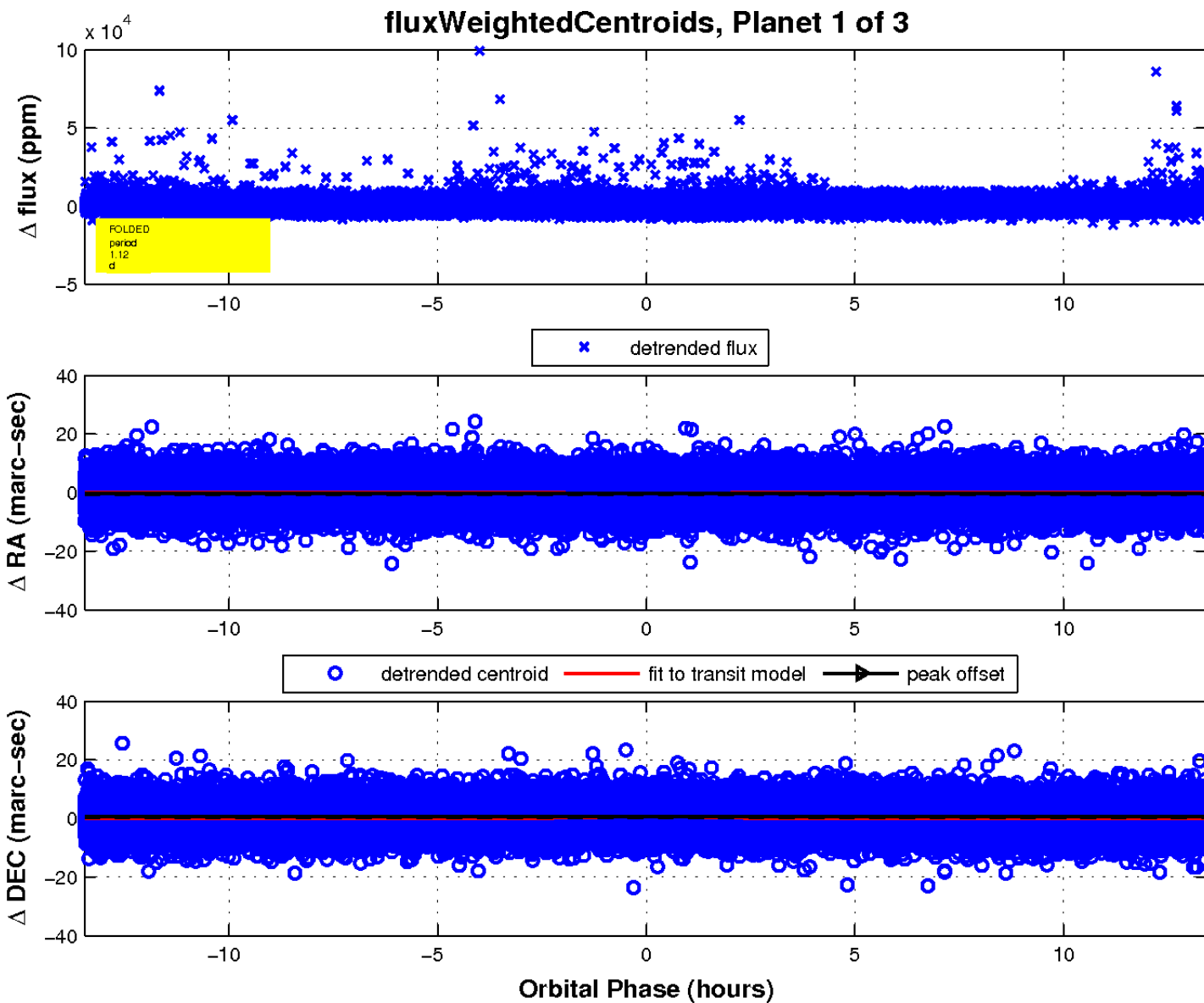
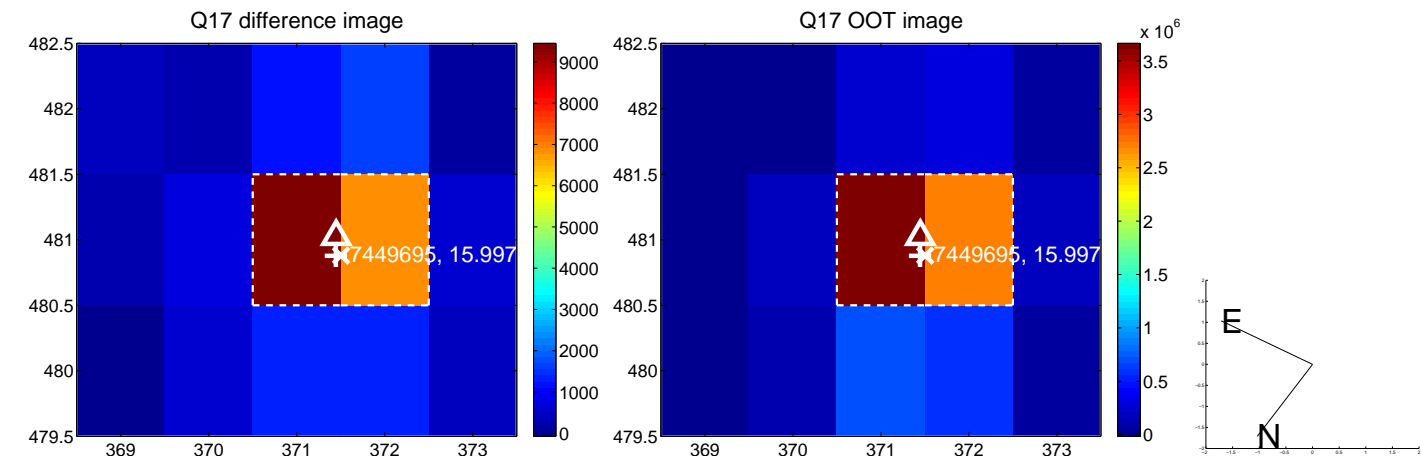
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

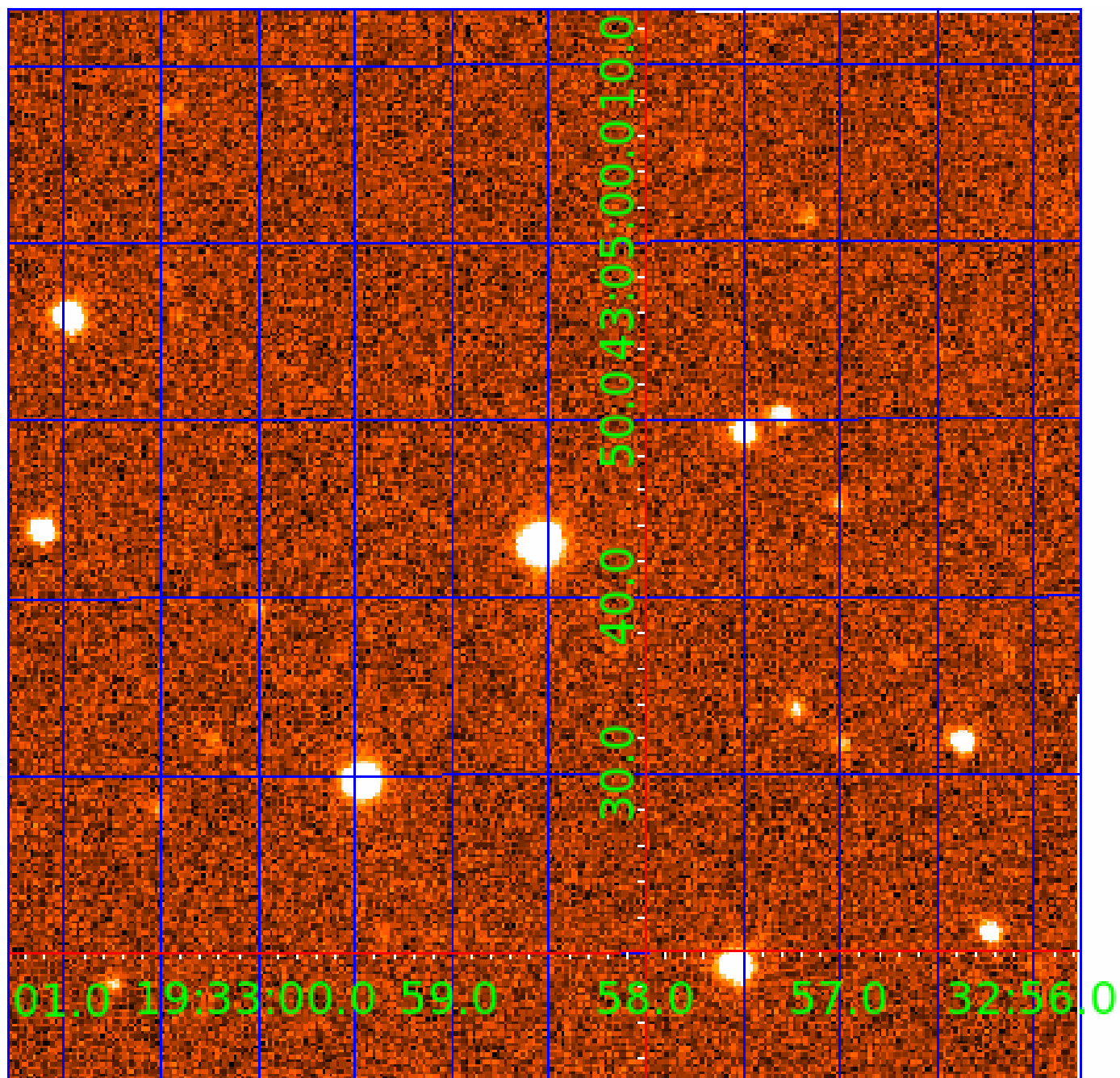


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 007449695

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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Robovetter Results

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007449695-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_CHASES—LPP_DV—LPP_ALT—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_NONUNIQ_ALT— INCONSISTENT_TRANS—CENT_FEW_DIFFS
007449695-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_NOFITS

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

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

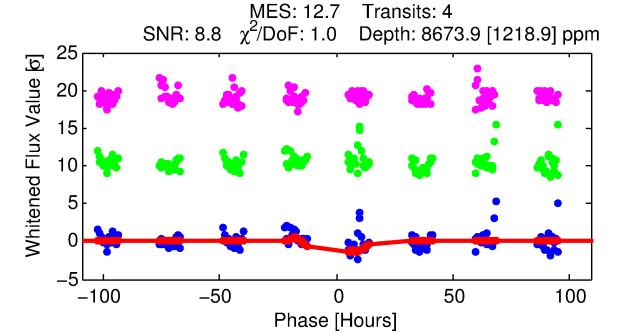
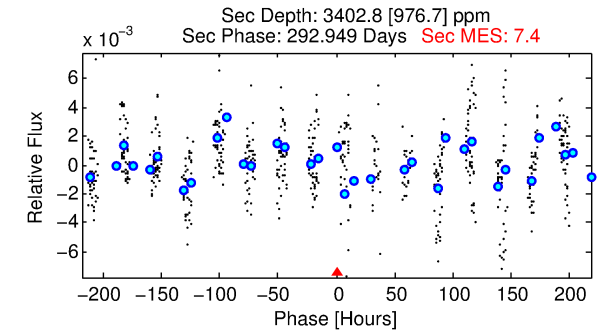
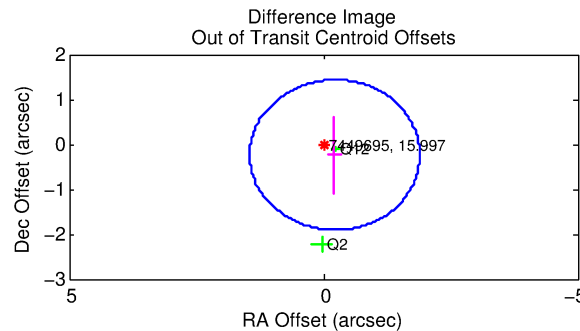
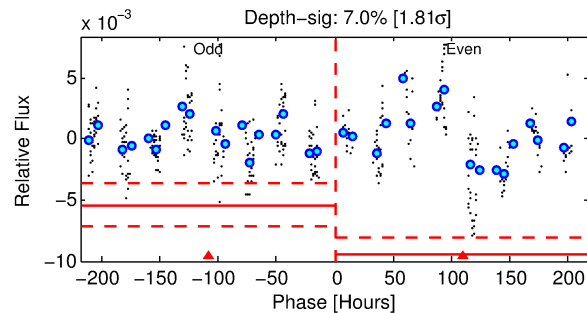
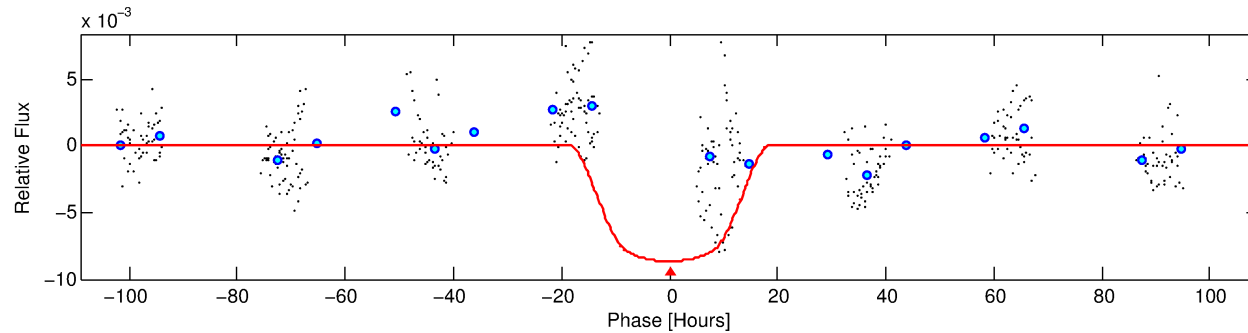
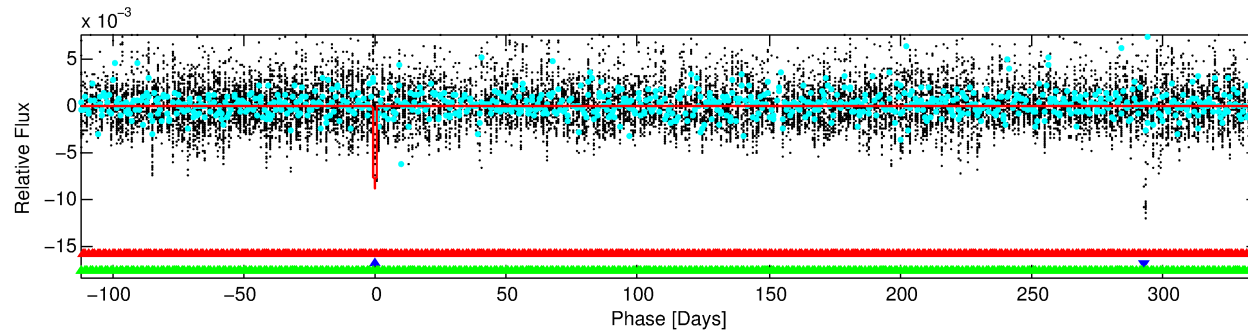
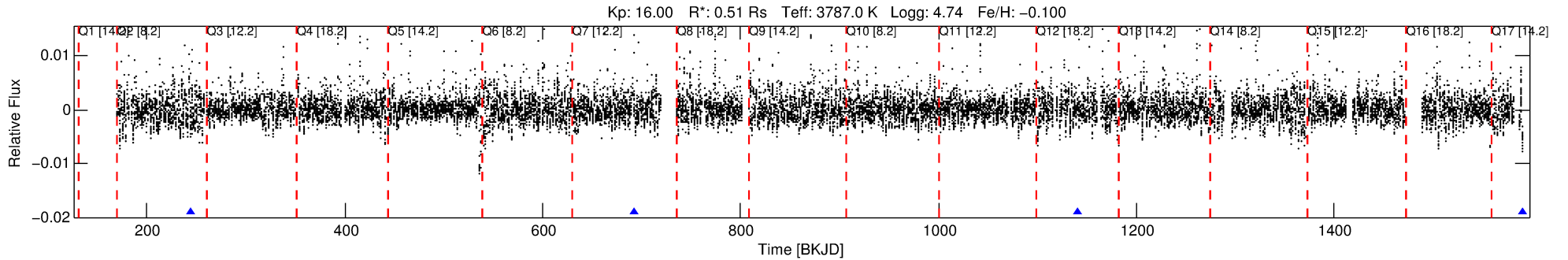
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007449695-02

No Significant Match Found

DV One-Page Summary

KIC: 7449695 Candidate: 2 of 3 Period: 448.821 d



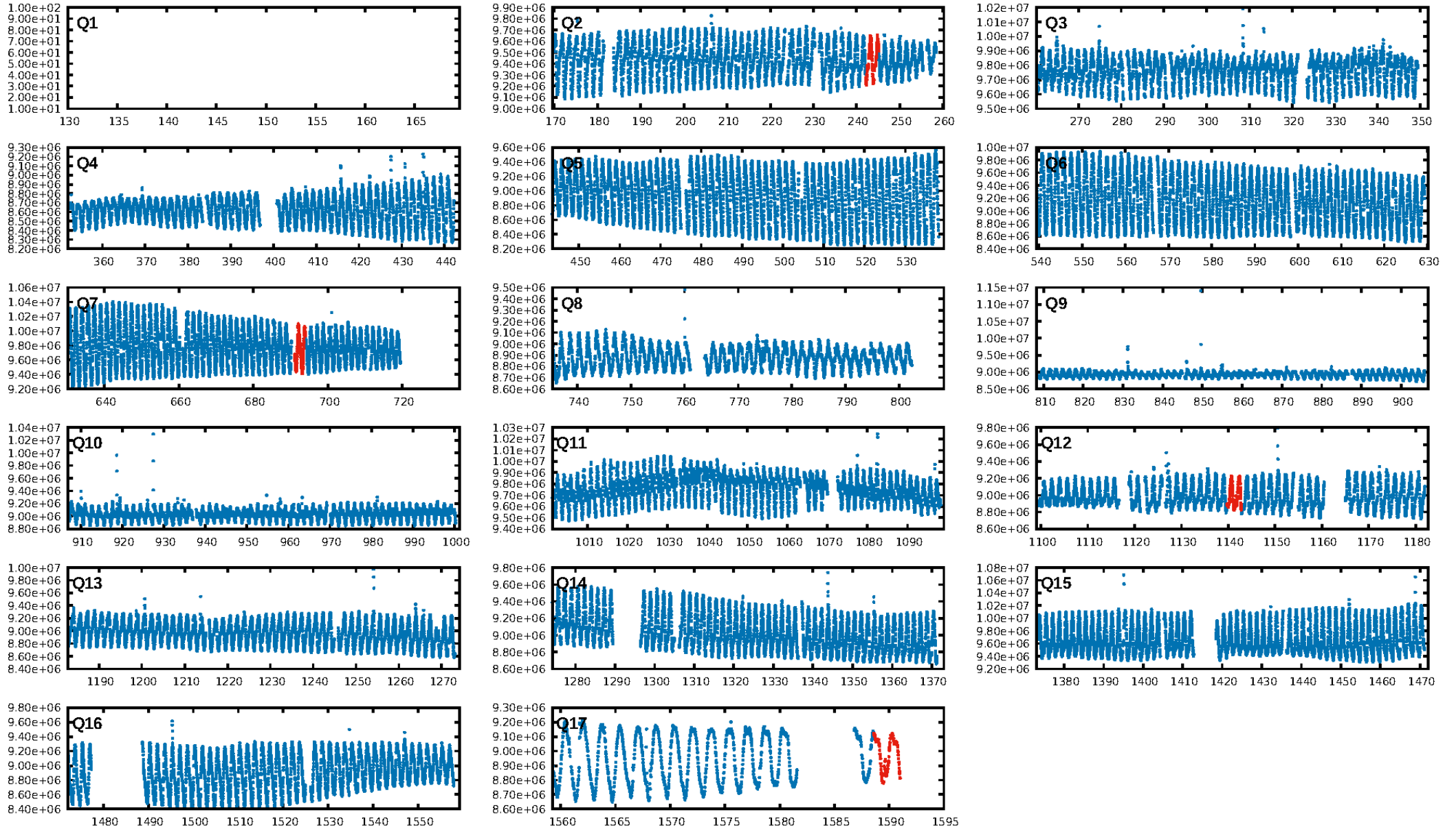
DV Fit Results:

Period = 448.82061 [0.02638] d
Epoch = 243.6412 [0.0541] BKJD
Rp/R* = 0.0968 [0.0084]
a/R* = 66.99 [9.87]
b = 0.84 [0.05]
Seff = 0.06 [0.01]
Teq = 124 [4] K
Rp = 5.34 [0.72] Re
a = 0.9189 [0.0730] AU
Ag = 55496.80 [19503.05] [2.85σ]
Teffp = 2939 [255] K [11.05σ]

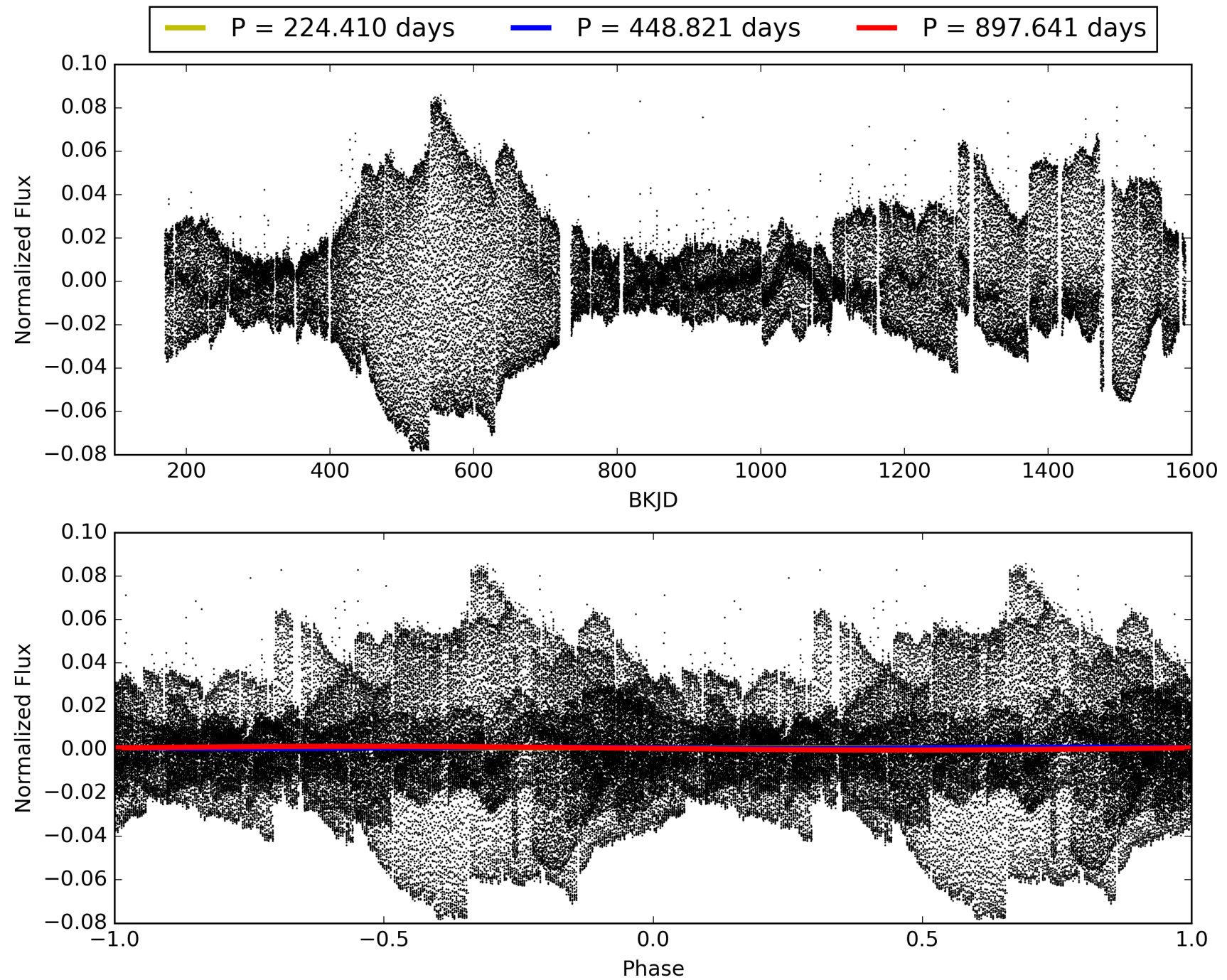
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [294.72σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 0.1%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 1.04e-23
RollingBand-fgt: 1.00 [3/3]
GhostDiagnostic-chr: 0.6169
Centroid-sig: 2.3%
Centroid-so: 0.160 arcsec [1.70σ]
OotOffset-rm: 0.326 arcsec [0.58σ]
OotOffset-st: 1/0/1/0 [2]
KicOffset-rm: 0.231 arcsec [0.65σ]
KicOffset-st: 1/0/1/0 [2]
DiffImageQuality-fgm: 1.00 [2/2]
DiffImageOverlap-fno: 0.00 [0/2]

TCE 007449695-02, PDC Light Curves

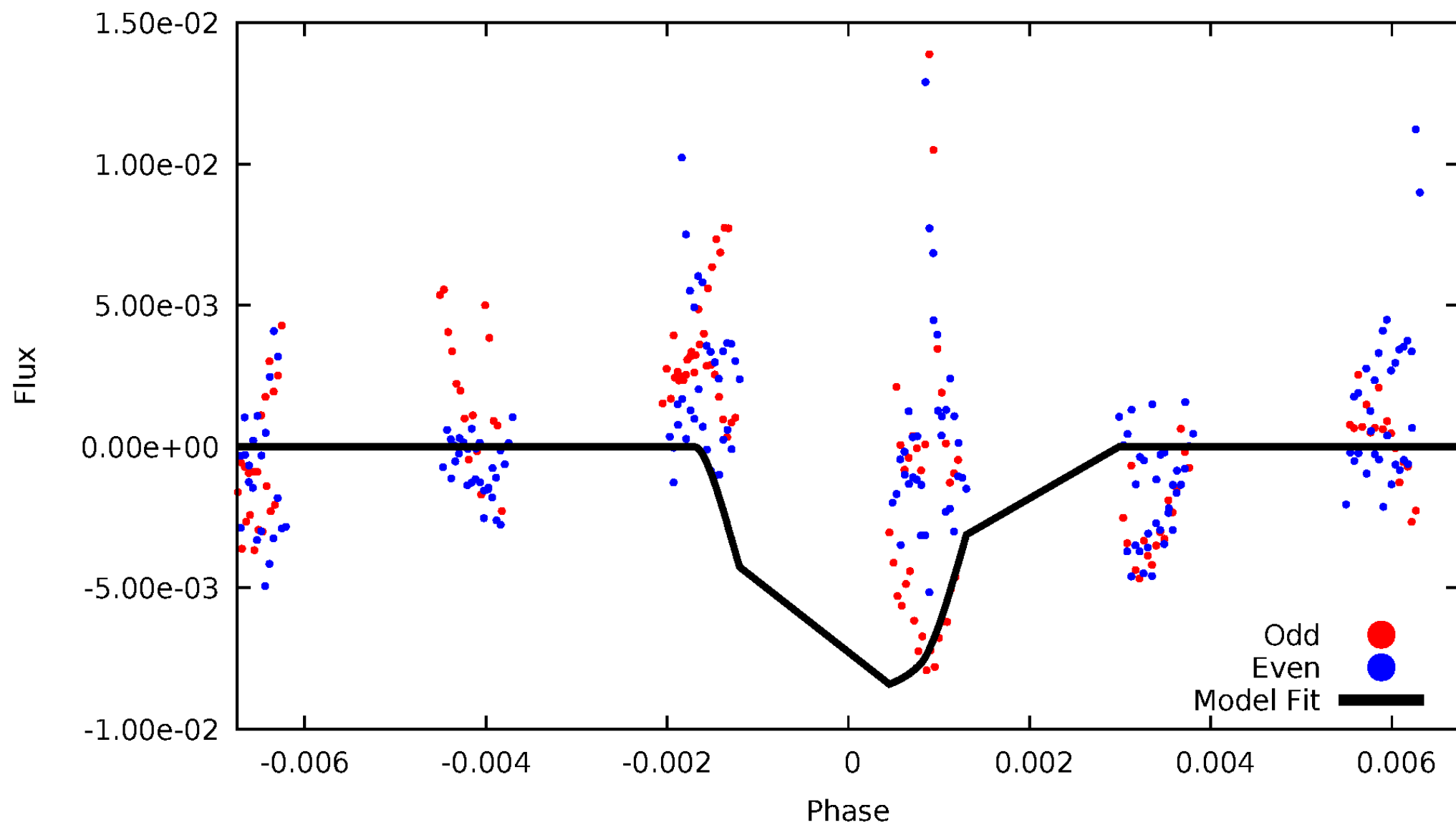


TCE 007449695-02



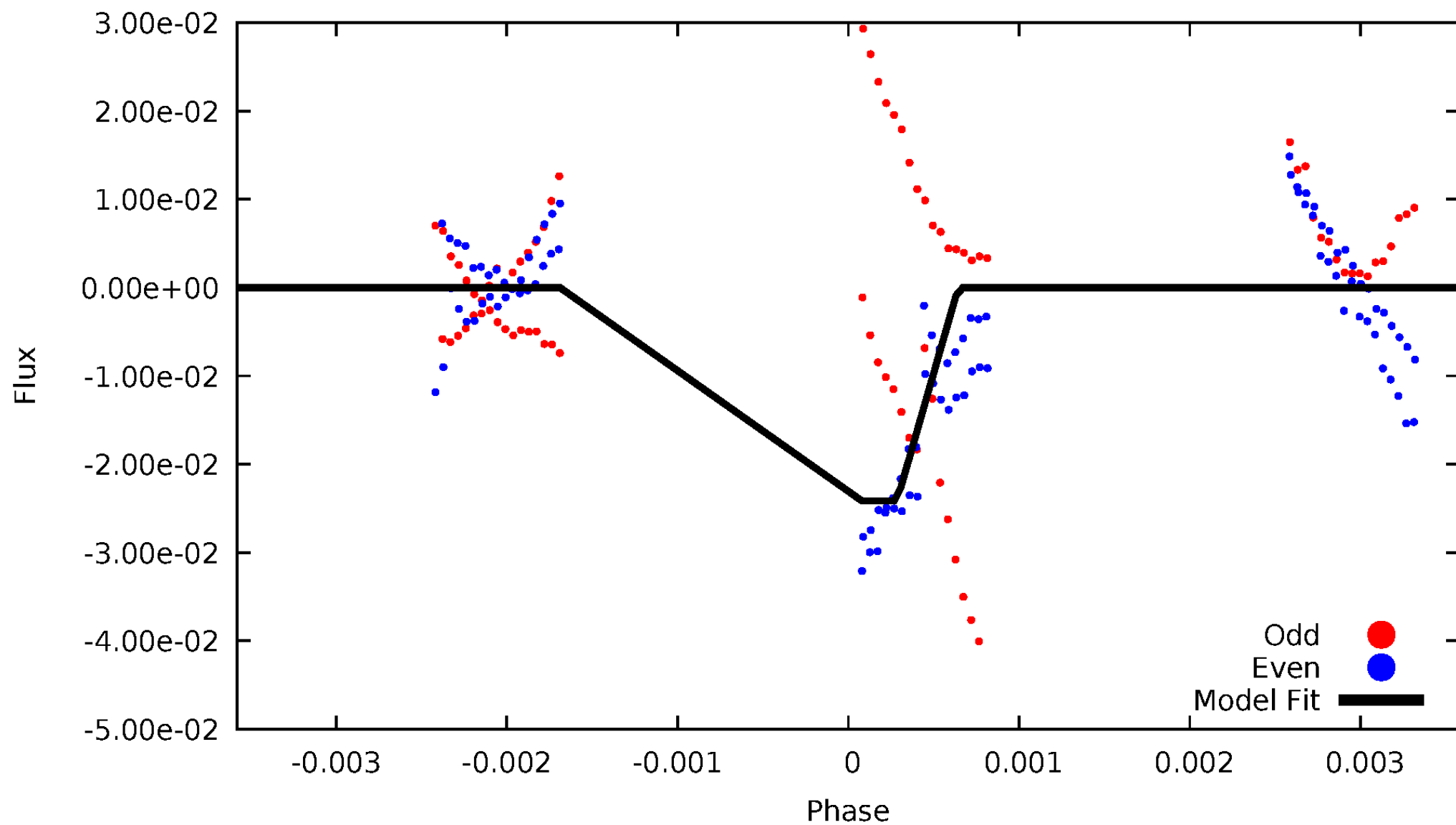
DV Odd/Even

TCE 007449695-02



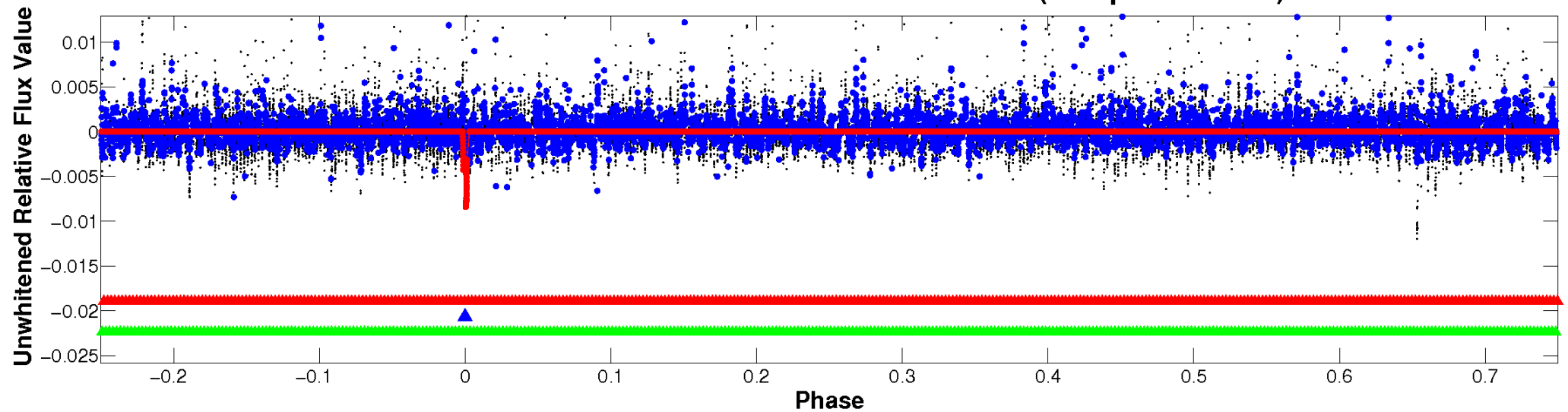
ALT Odd/Even

TCE 007449695-02

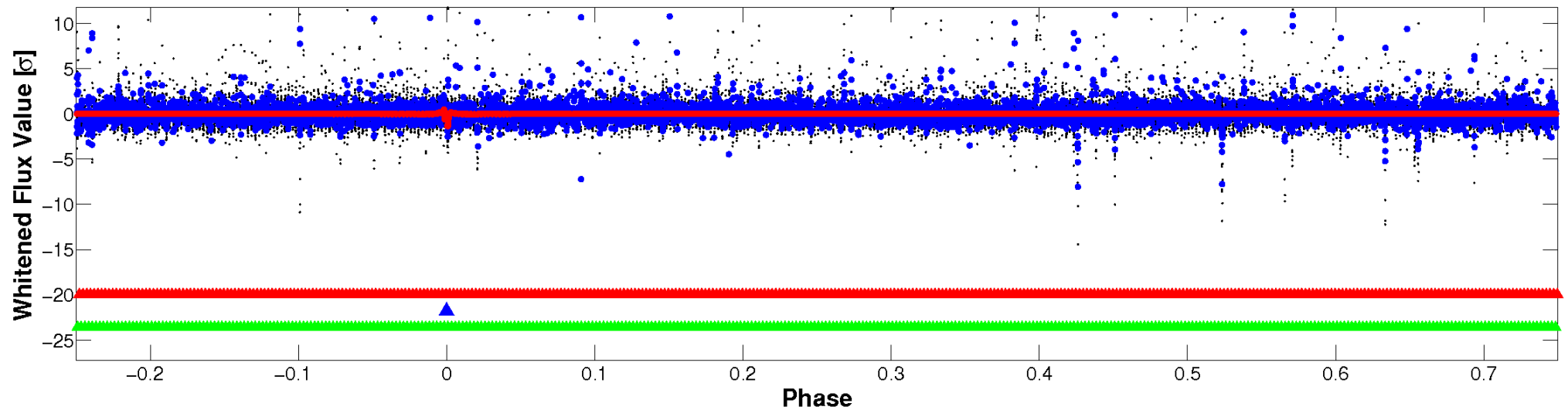


Non-Whitened Vs. Whitened Light Curve

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

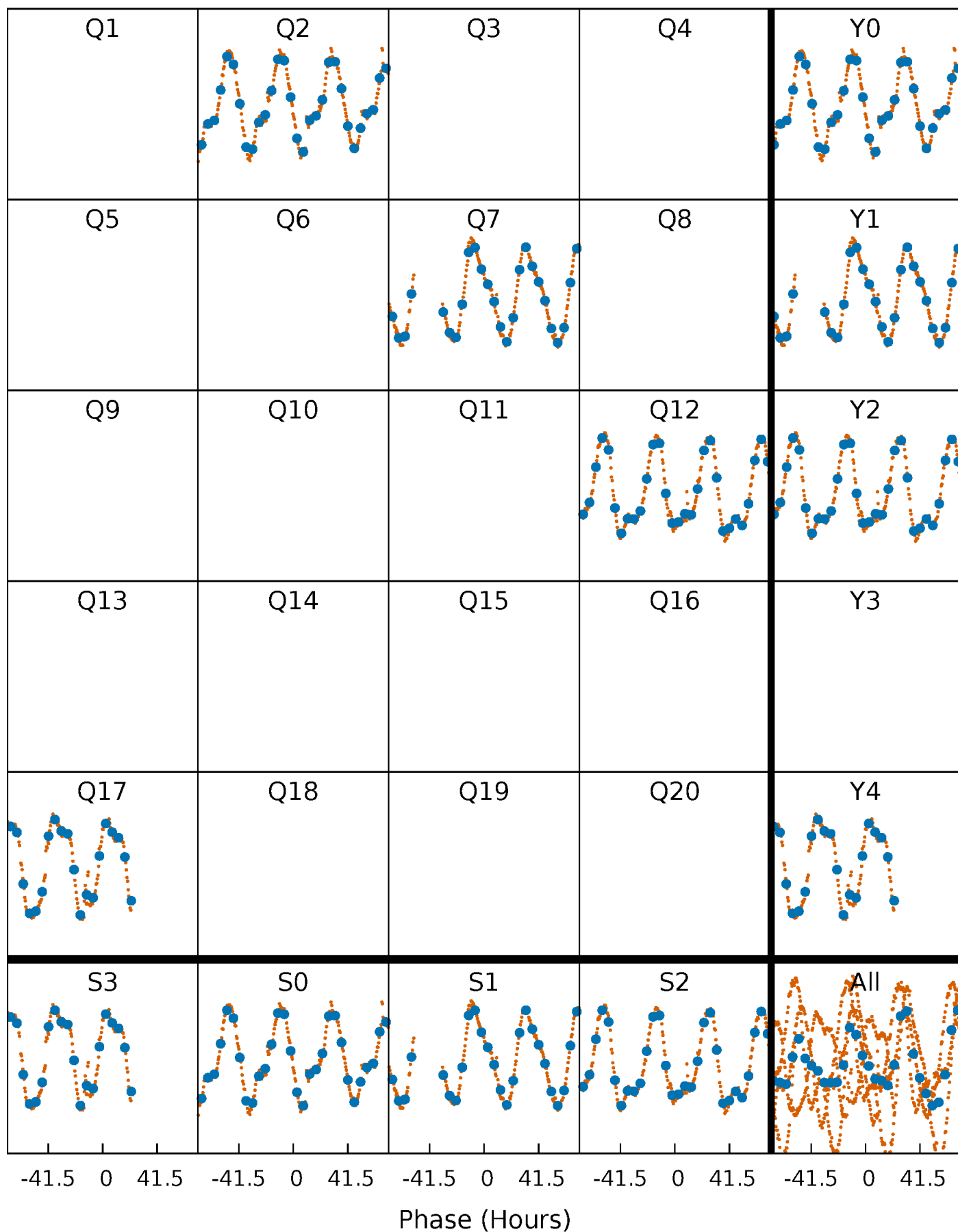


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



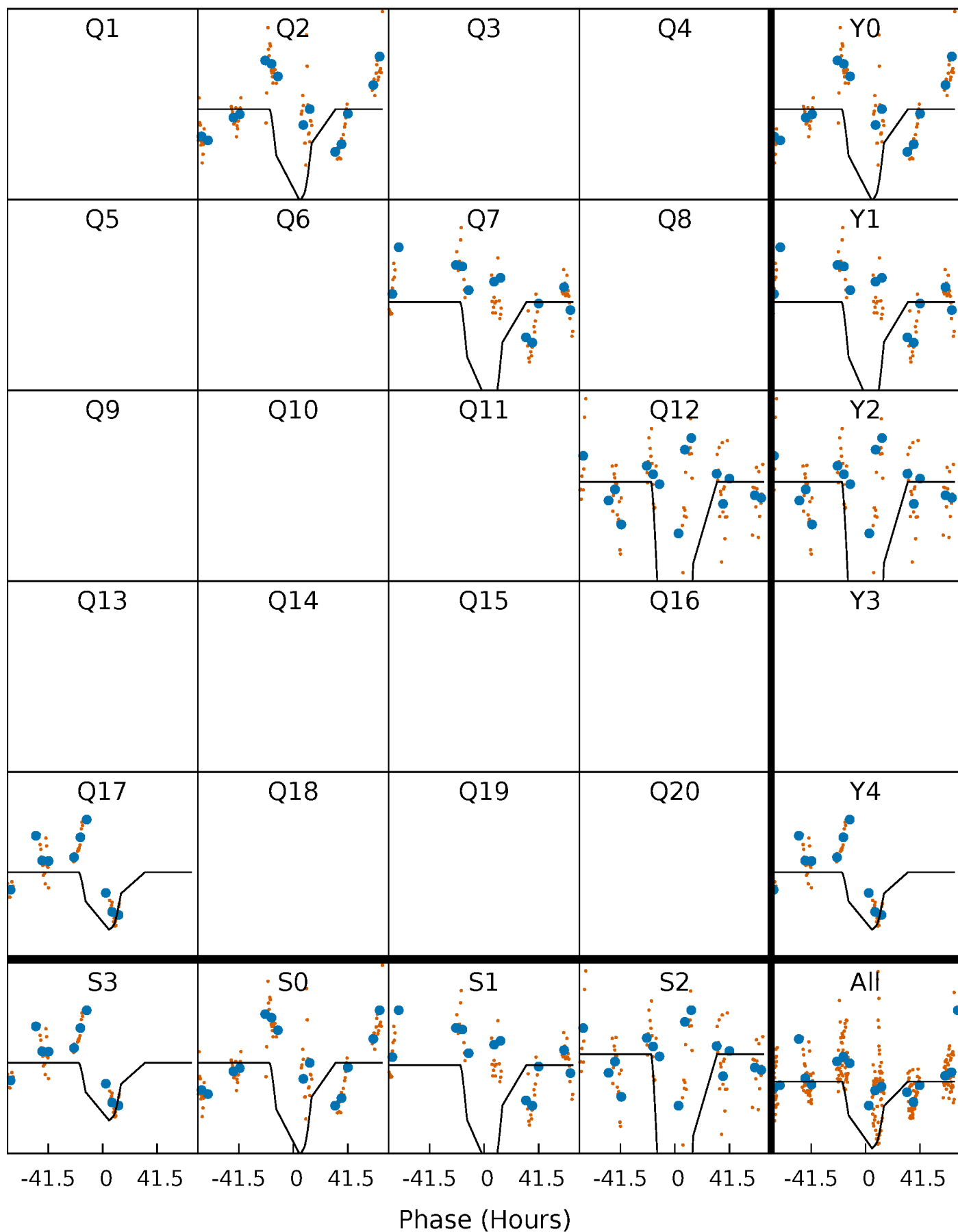
PDC Quarter-Phased Transit Curves

TCE 007449695-02 $P=448.820613$ Days $T_0=243.641212$ (BKJD)



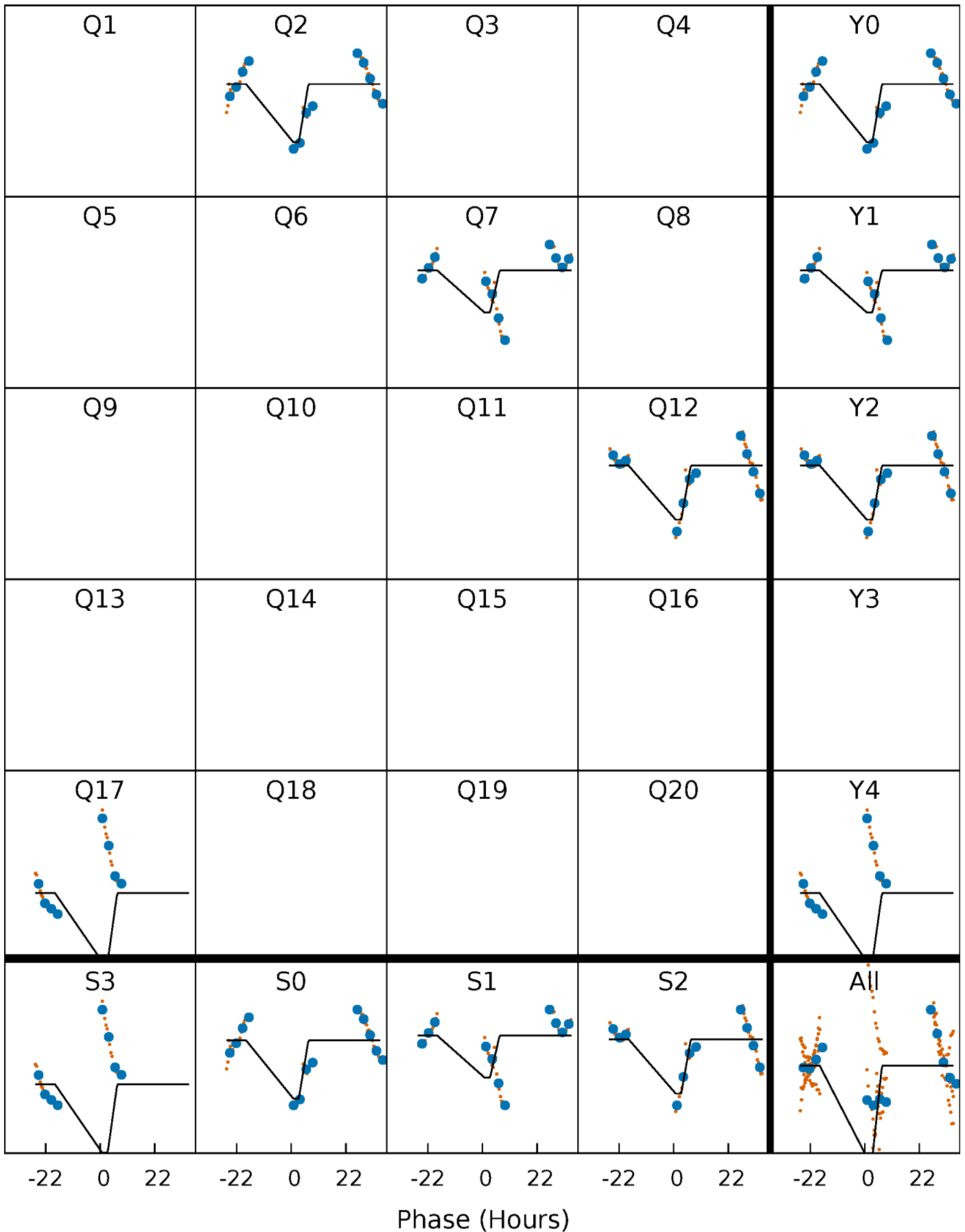
DV Quarter-Phased Transit Curves

TCE 007449695-02 P=448.820613 Days $T_0=243.641212$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

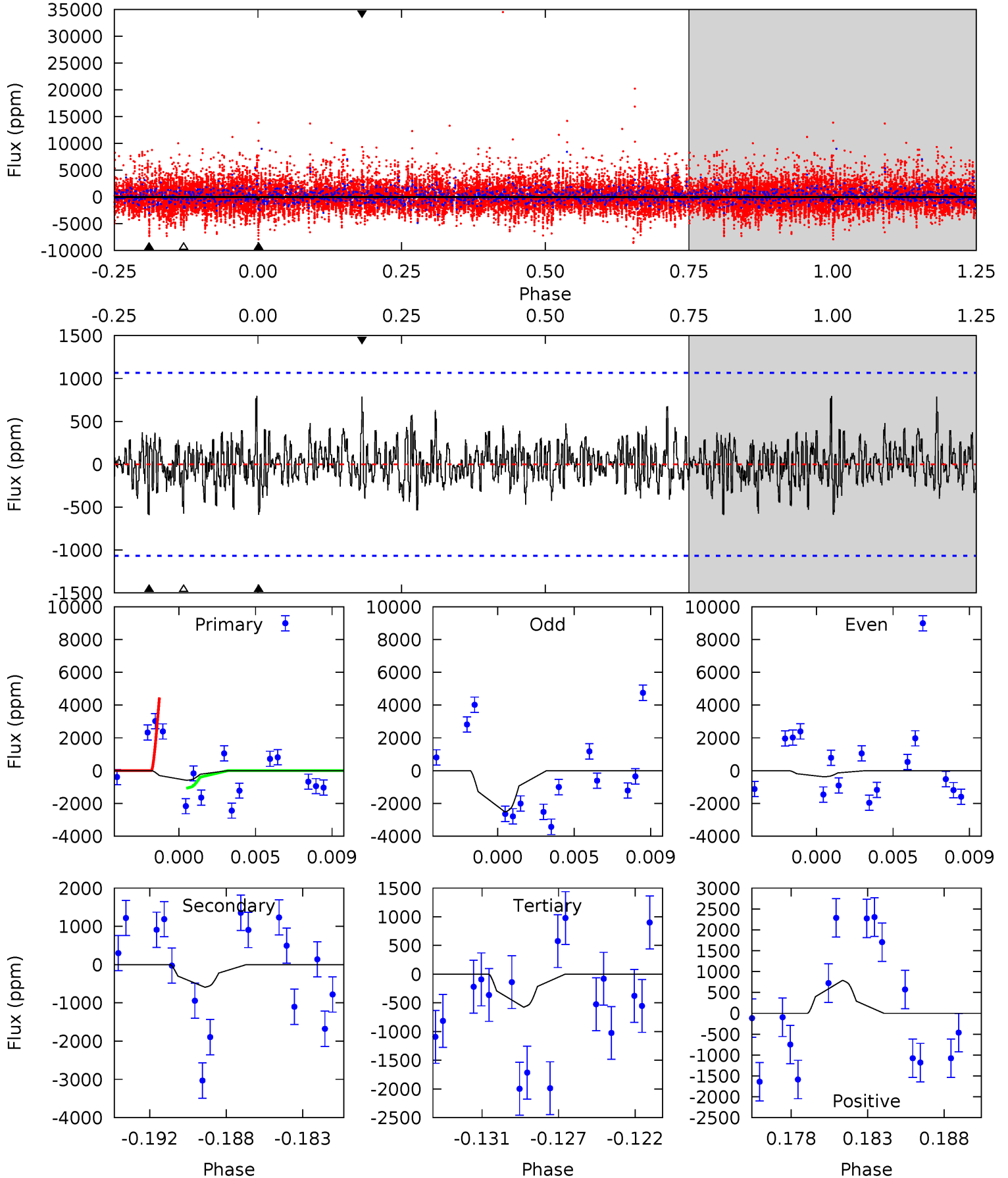
TCE 007449695-02 P=448.802712 Days $T_0=243.859943$ (BKJD)



DV Model-Shift Uniqueness Test

007449695-02, P = 448.820613 Days, E = 243.641212 Days

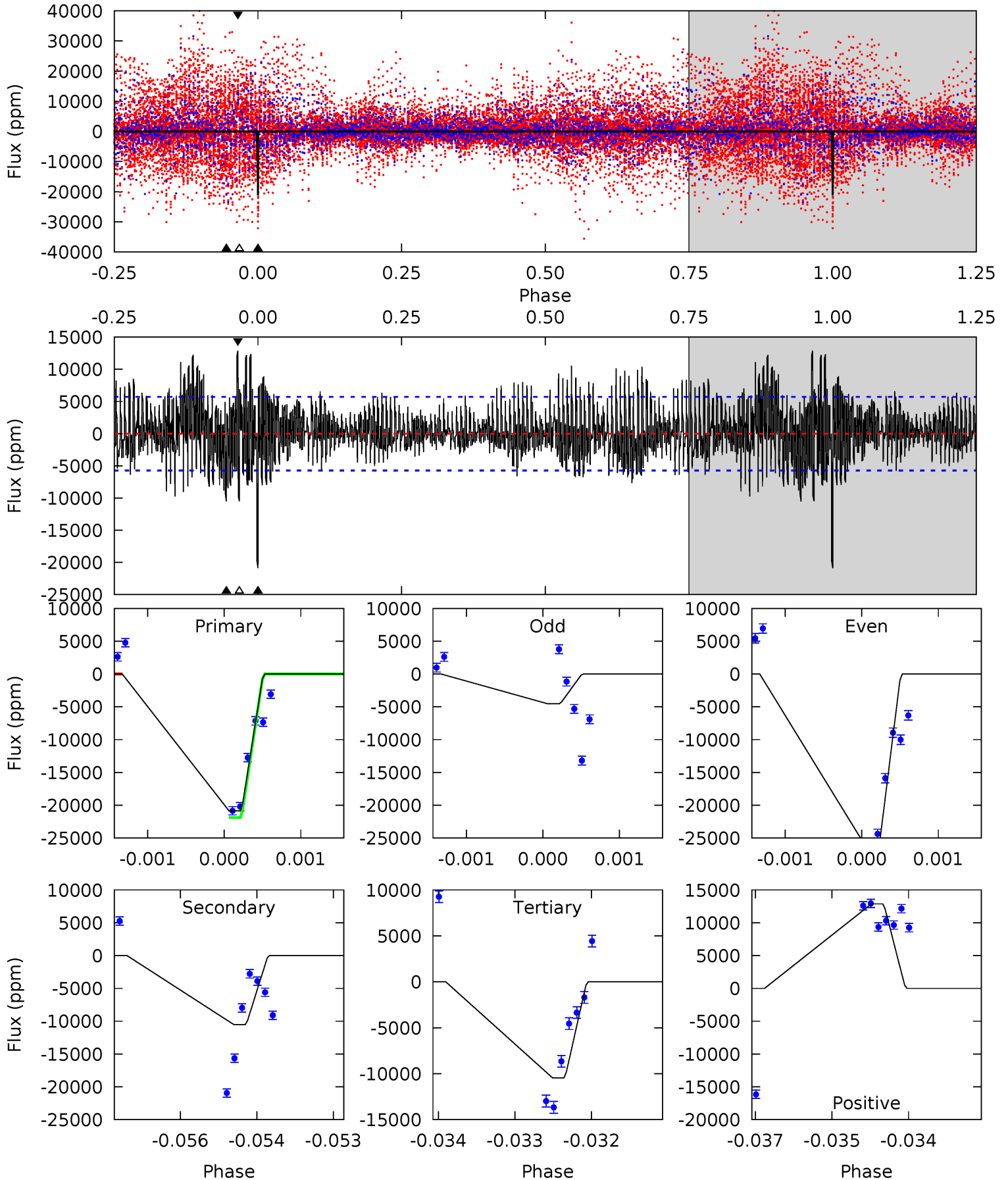
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.86	2.87	2.78	3.82	5.17	2.83	0.91	0.07	-0.96	0.09	-0.95	4.79	-0.92	0.57	8.06



Alt Model-Shift Uniqueness Test

007449695-02, P = 448.802712 Days, E = 243.859943 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.7	9.94	9.89	12.2	5.41	3.22	3.17	9.83	7.56	0.05	-2.23	9.78	0.57	0.38	0



Stellar Parameters For KIC 007449695

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (g \cdot \text{cm}^{-3})$
	3787^{+84}_{-84}	$4.742^{+0.052}_{-0.028}$	$-0.100^{+0.200}_{-0.200}$	$0.505^{+0.038}_{-0.052}$	$0.514^{+0.044}_{-0.044}$	$5.610^{+1.409}_{-0.722}$
	+2%/-2%	+1%/-1%	+200%/-200%	+8%/-10%	+9%/-9%	+25%/-13%
Source	PHO2	PHO2	PHO2	DSEP		

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

Secondary Eclipse Parameters for KIC 007449695-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-593 ± 206	$5.28^{+0.54}_{-0.53}$	172^{+5}_{-5}	2549^{+124}_{-139}	10028^{+4335}_{-3626}
Alt.	-10519 ± 1059	$8.56^{+0.62}_{-0.67}$	172^{+5}_{-5}	3320^{+107}_{-93}	68345^{+12325}_{-9661}

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 $A_{obs} \gg 1.0$

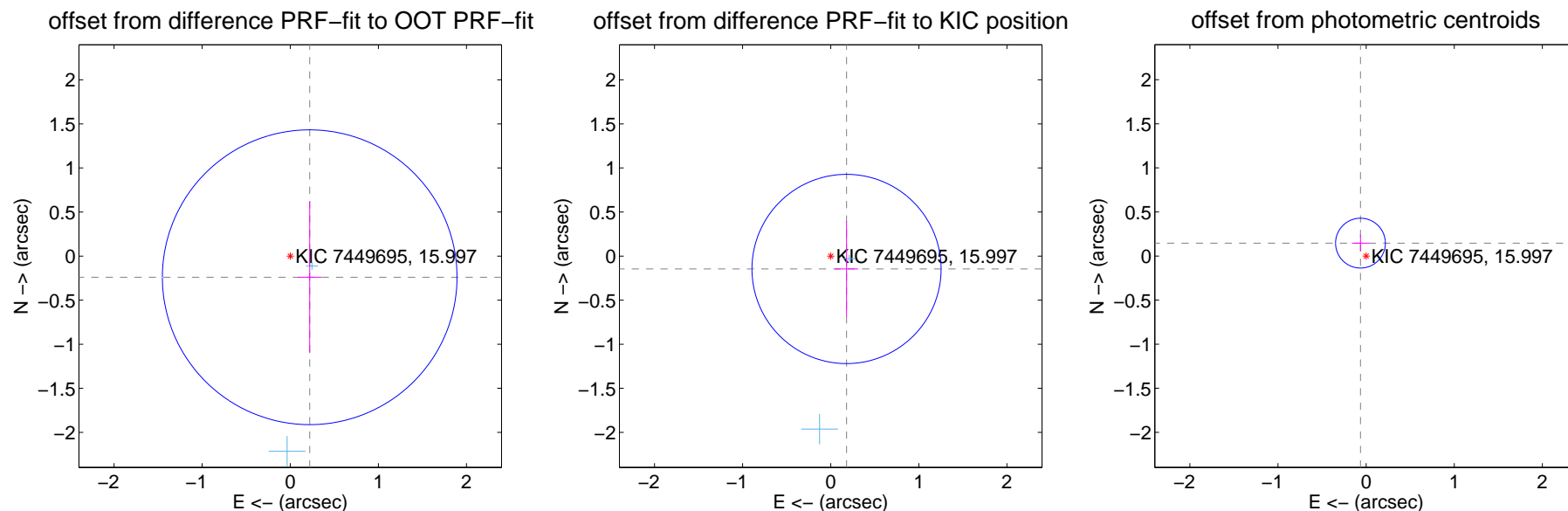
DV Centroid Data

Supplemental centroid analysis for 007449695-02. Kepler magnitude: 16.00. Transit SNR 8.84

There are 2 quarters with good PRF difference image offsets

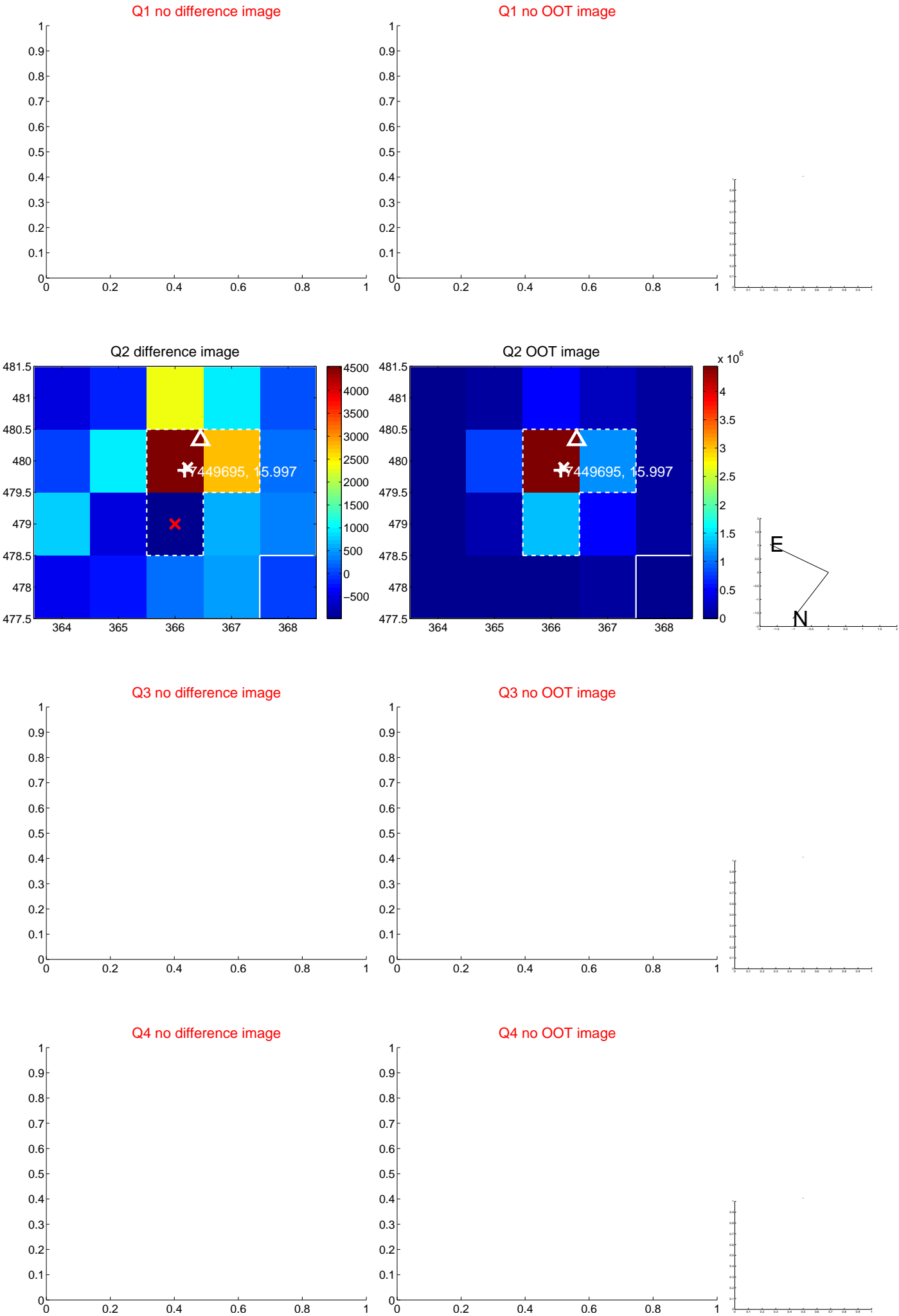
The direct PRF centroid is offset from the target star catalog position by about 0.09 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.326 ± 0.557	0.58	-0.221 ± 0.133	-0.240 ± 0.860
PRF-fit source offset from KIC position	0.231 ± 0.358	0.65	-0.179 ± 0.133	-0.146 ± 0.543
photometric centroid source offset	0.16 ± 0.09	1.70	0.06 ± 0.10	0.15 ± 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.

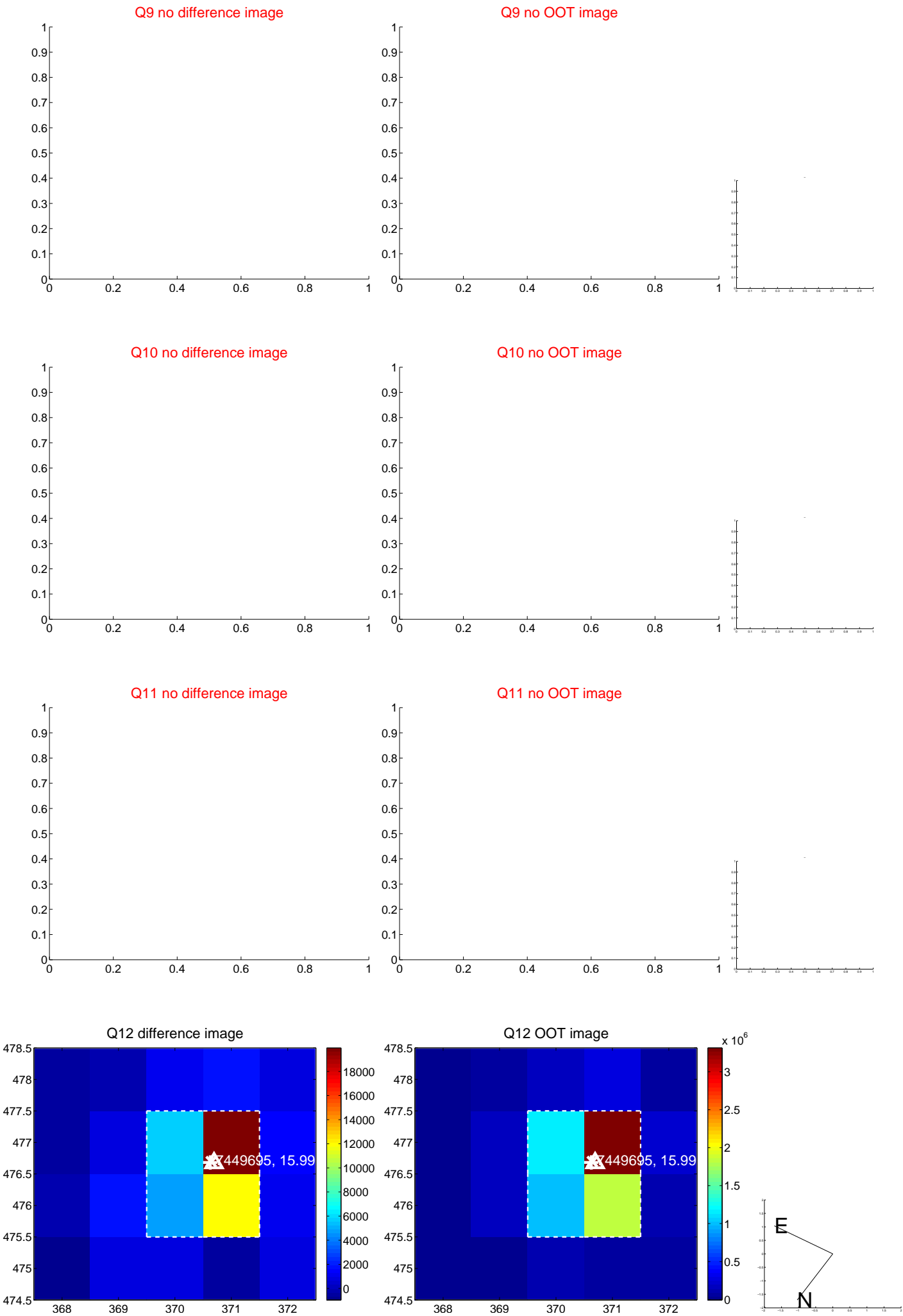
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



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



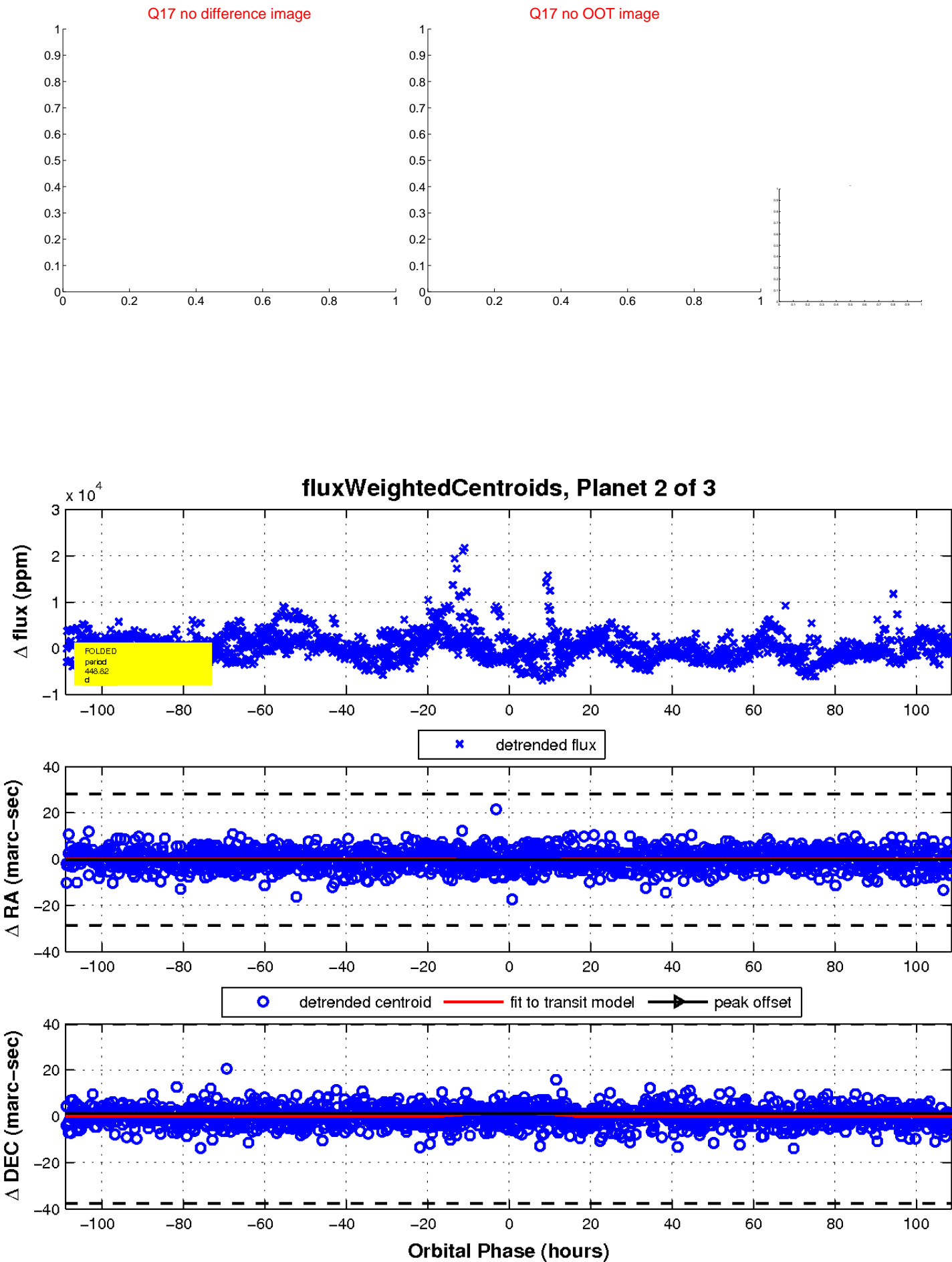
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



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

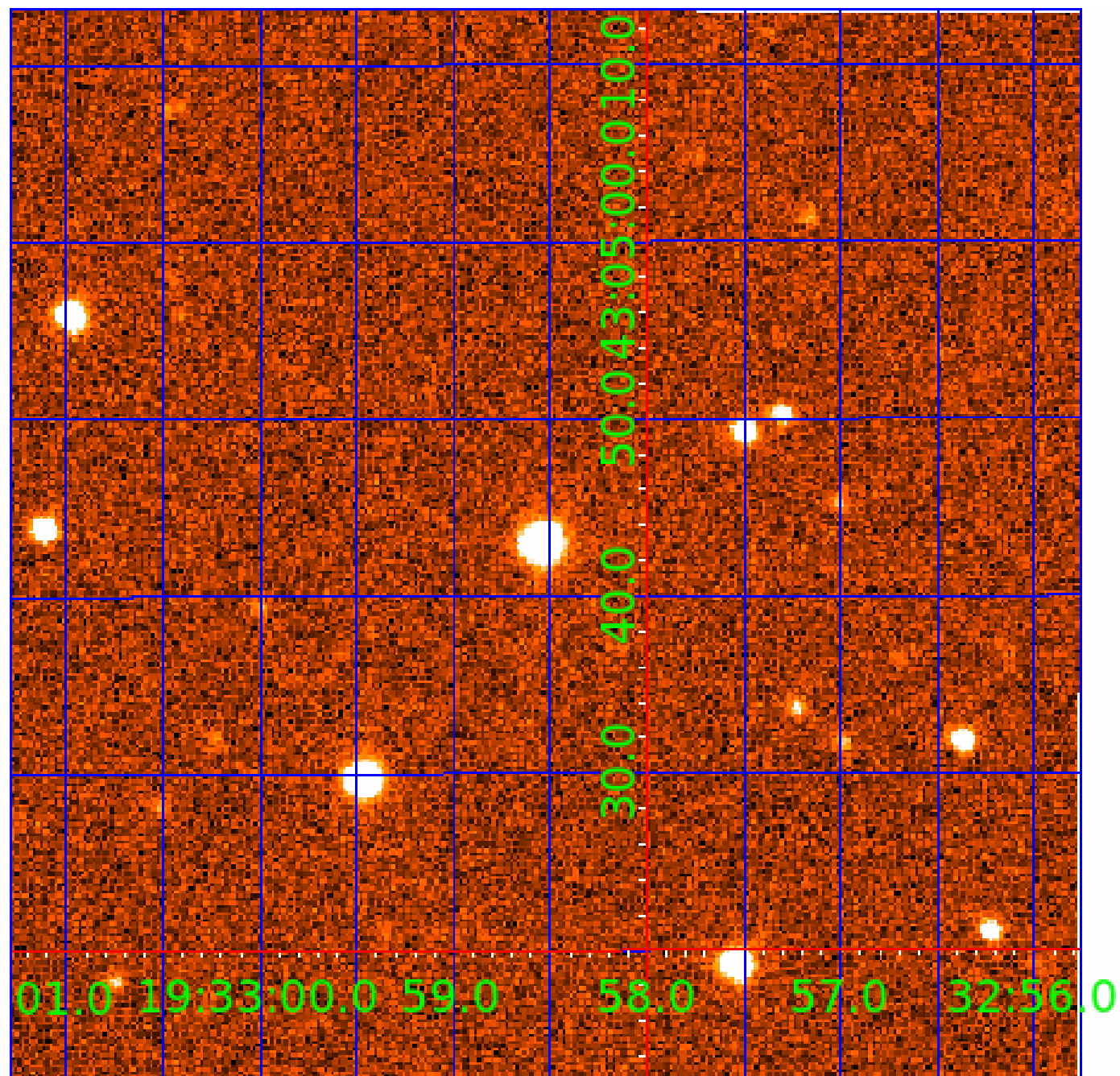


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 007449695

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})
007449695-01	OBS	No	1.122006	132.427381	487.5	6.078	14.9	14.5	0.51	3787	1.57	164.04
007449695-02	OBS	No	448.820613	243.641212	8673.9	36.334	12.7	8.8	0.51	3787	5.34	0.06
007449695-03	OBS	No	1.122075	131.819527	1778.3	3.000	14.6	-1.0	0.51	3787	2.11	164.02

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
007449695-01	OBS	FP	0.00	1	0	0	0	LPP_DV—MOD_NONUNIQ_DV
007449695-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_CHASES—LPP_DV—LPP_ALT—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_NONUNIQ_ALT— INCONSISTENT_TRANS—CENT_FEW_DIFFS
007449695-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—SAME_NTL_PERIOD—CENT_NOFITS

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

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

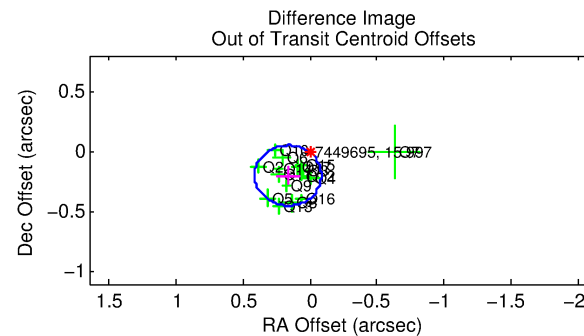
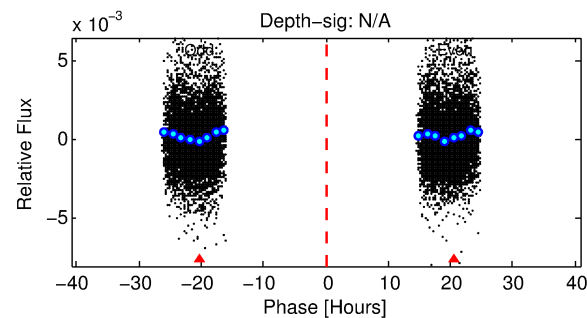
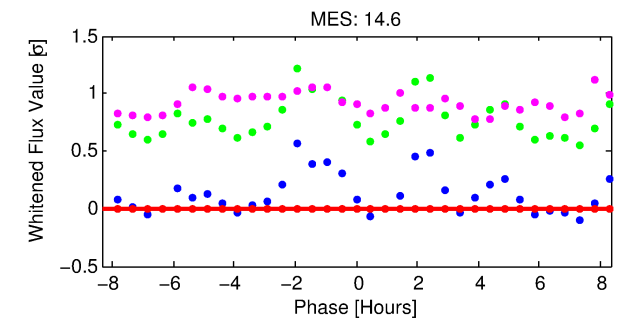
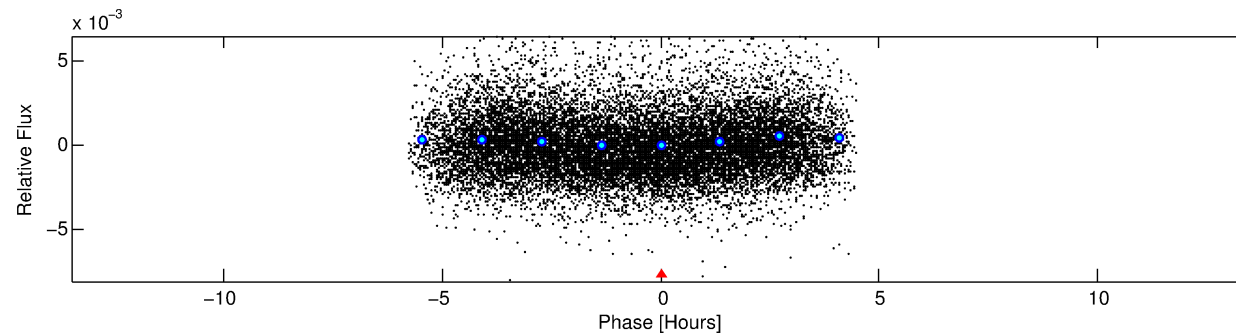
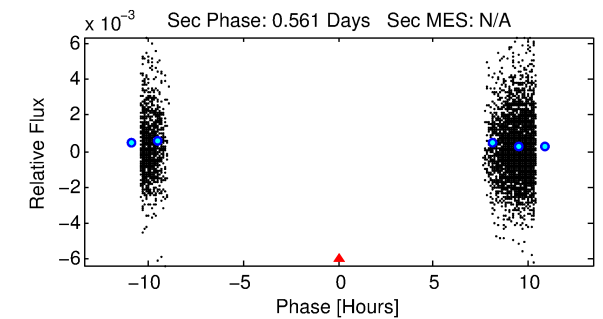
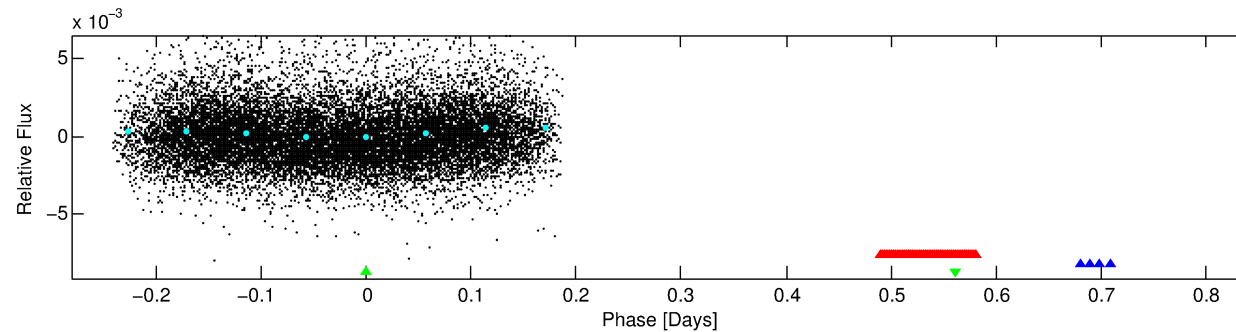
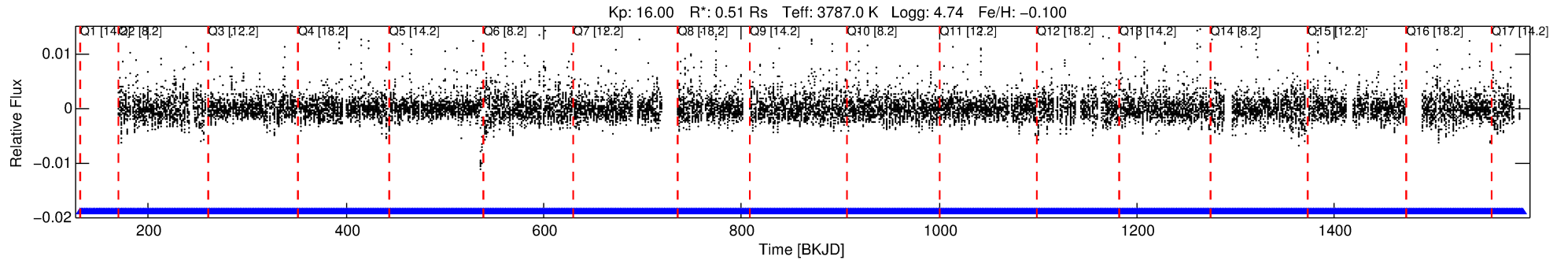
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 007449695-03

No Significant Match Found

DV One-Page Summary

KIC: 7449695 Candidate: 3 of 3 Period: 1.122 d



TPS TCE Results:

Period = 1.12208 d
Epoch = 131.8195 BKJD

DV fit results are unavailable

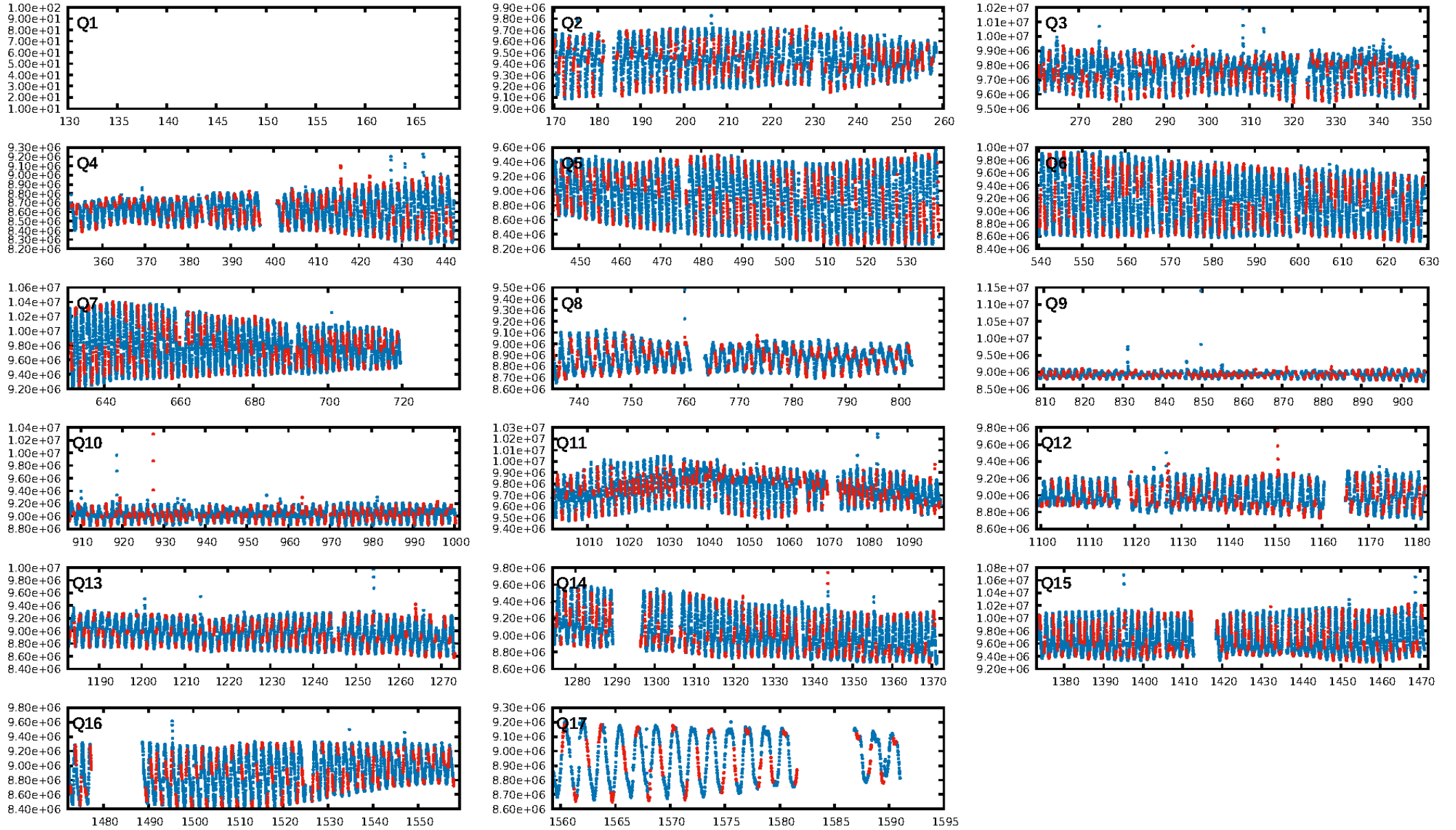
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: 100.0% [294.72 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.48e-43
RollingBand-fgt: 1.00 [1137/1137]
GhostDiagnostic-chr: 0.7886
Centroid-sig: 0.0%
Centroid-so: 0.299 arcsec [4.03 σ]
OotOffset-rm: 0.258 arcsec [3.09 σ]
KicOffset-rm: 0.313 arcsec [3.61 σ]
OotOffset-st: 4/4/4 [16]
KicOffset-st: 4/4/4 [16]
DiffImageQuality-fgm: 0.94 [15/16]
DiffImageOverlap-fno: 0.00 [0/16]

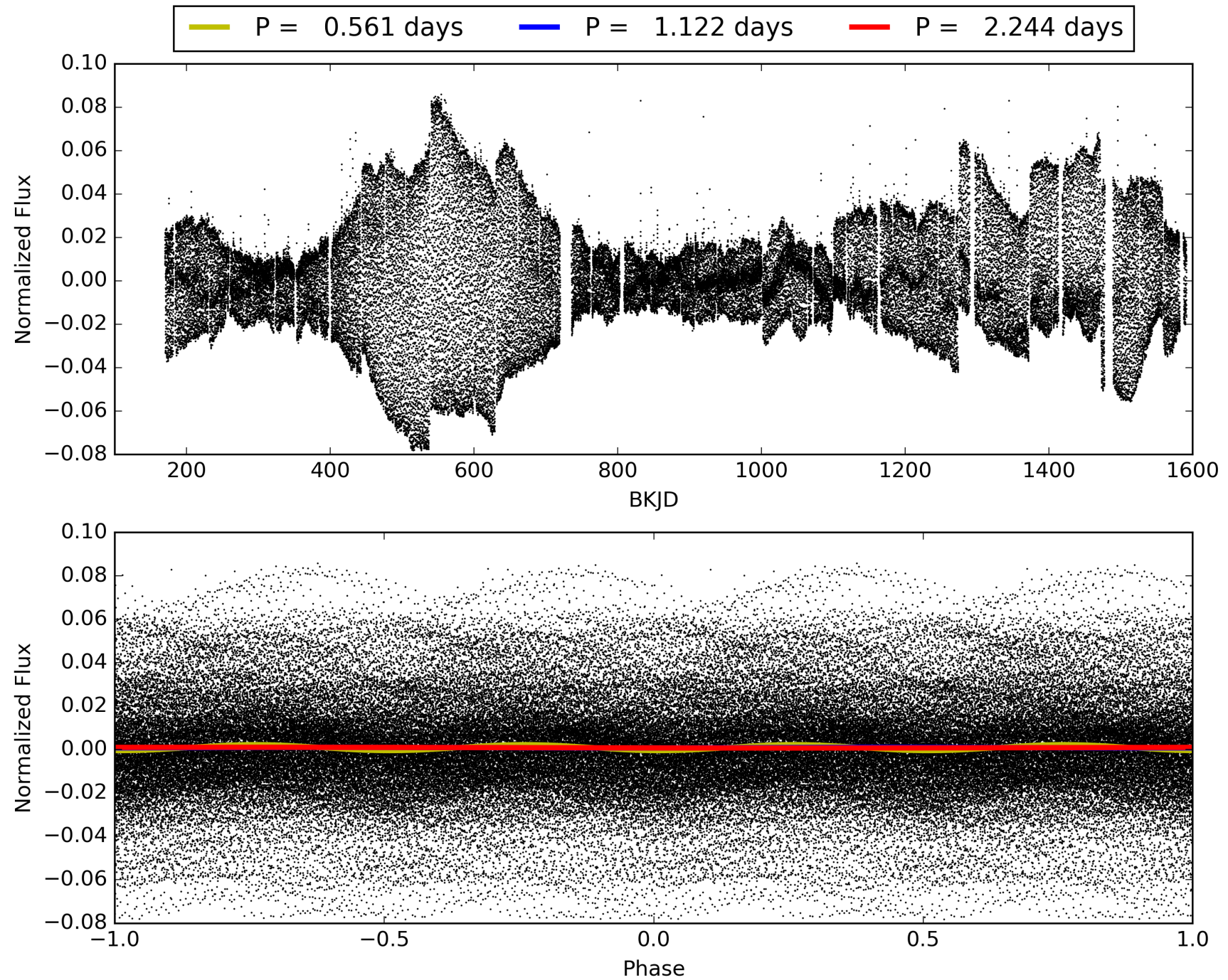
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:00:13 Z

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

TCE 007449695-03, PDC Light Curves

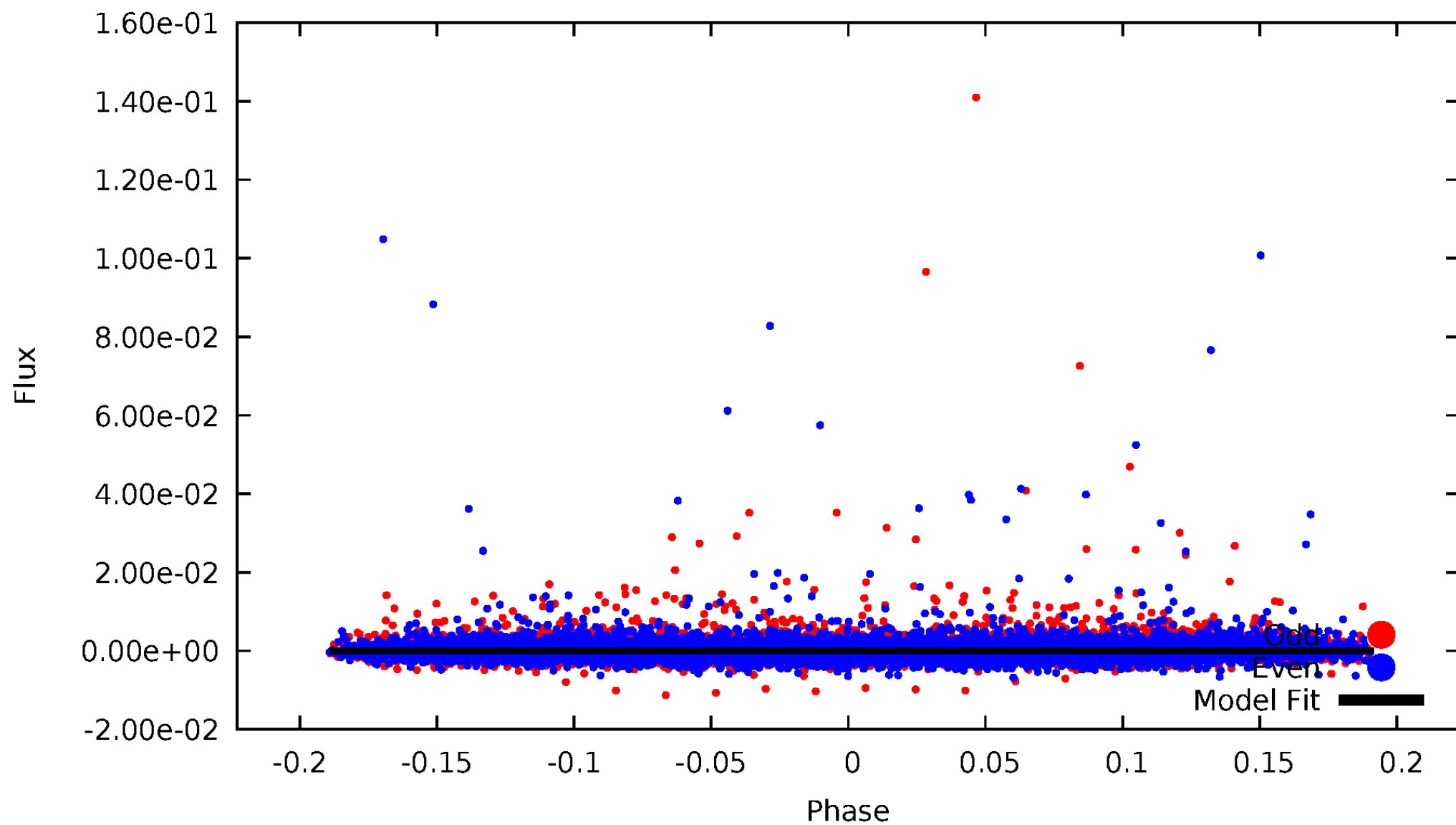


TCE 007449695-03



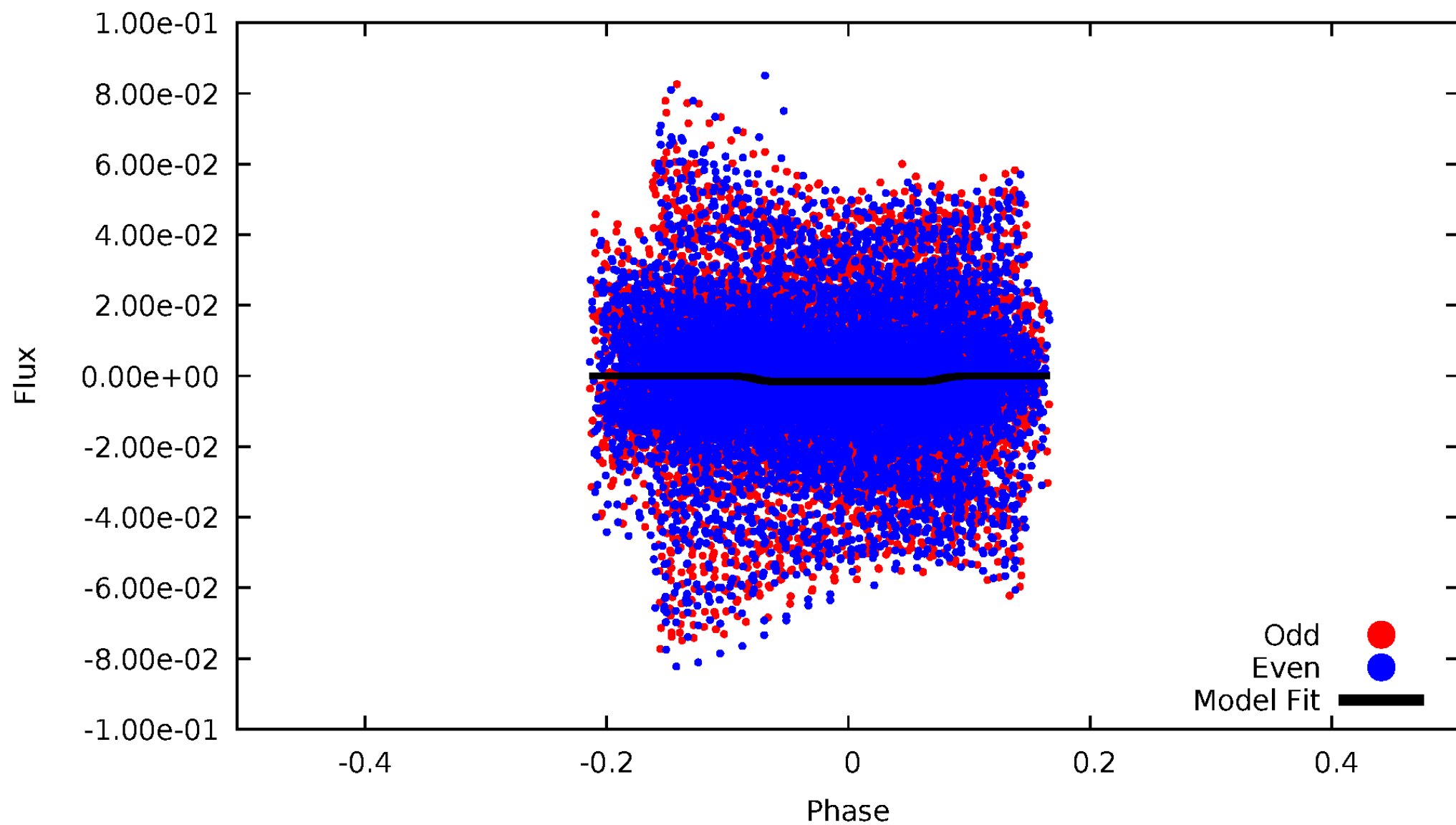
DV Odd/Even

TCE 007449695-03

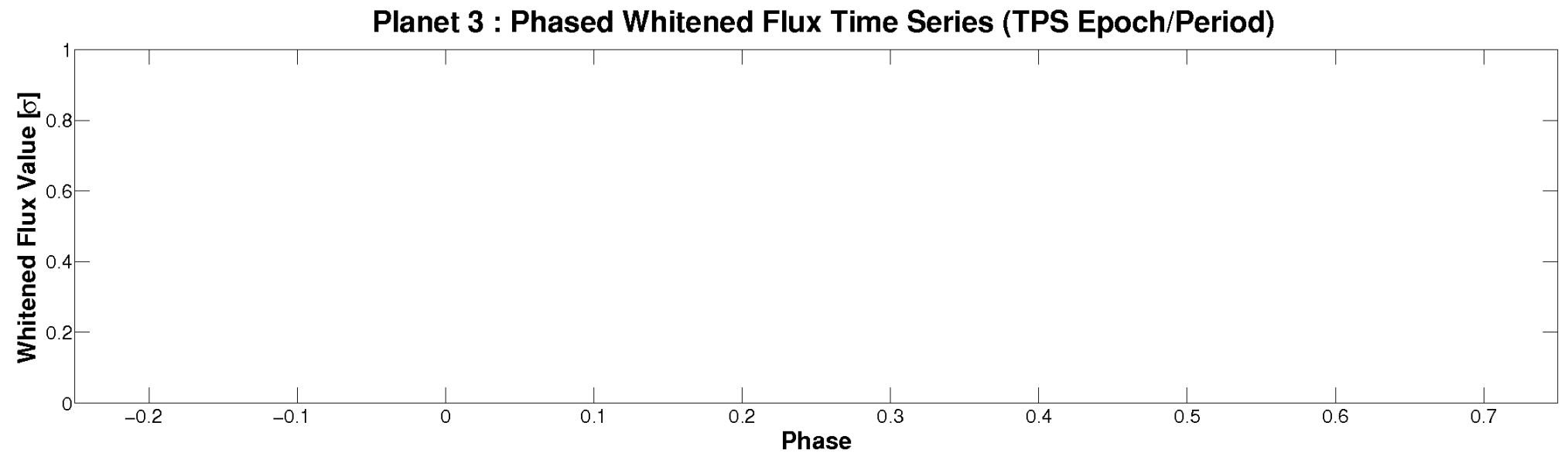
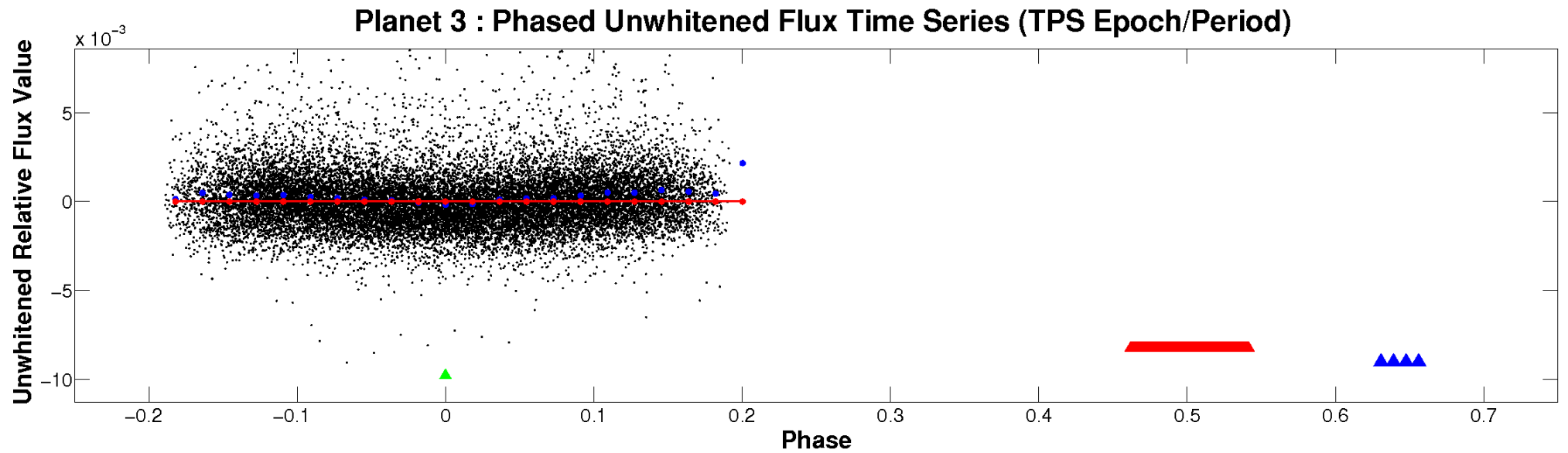


ALT Odd/Even

TCE 007449695-03

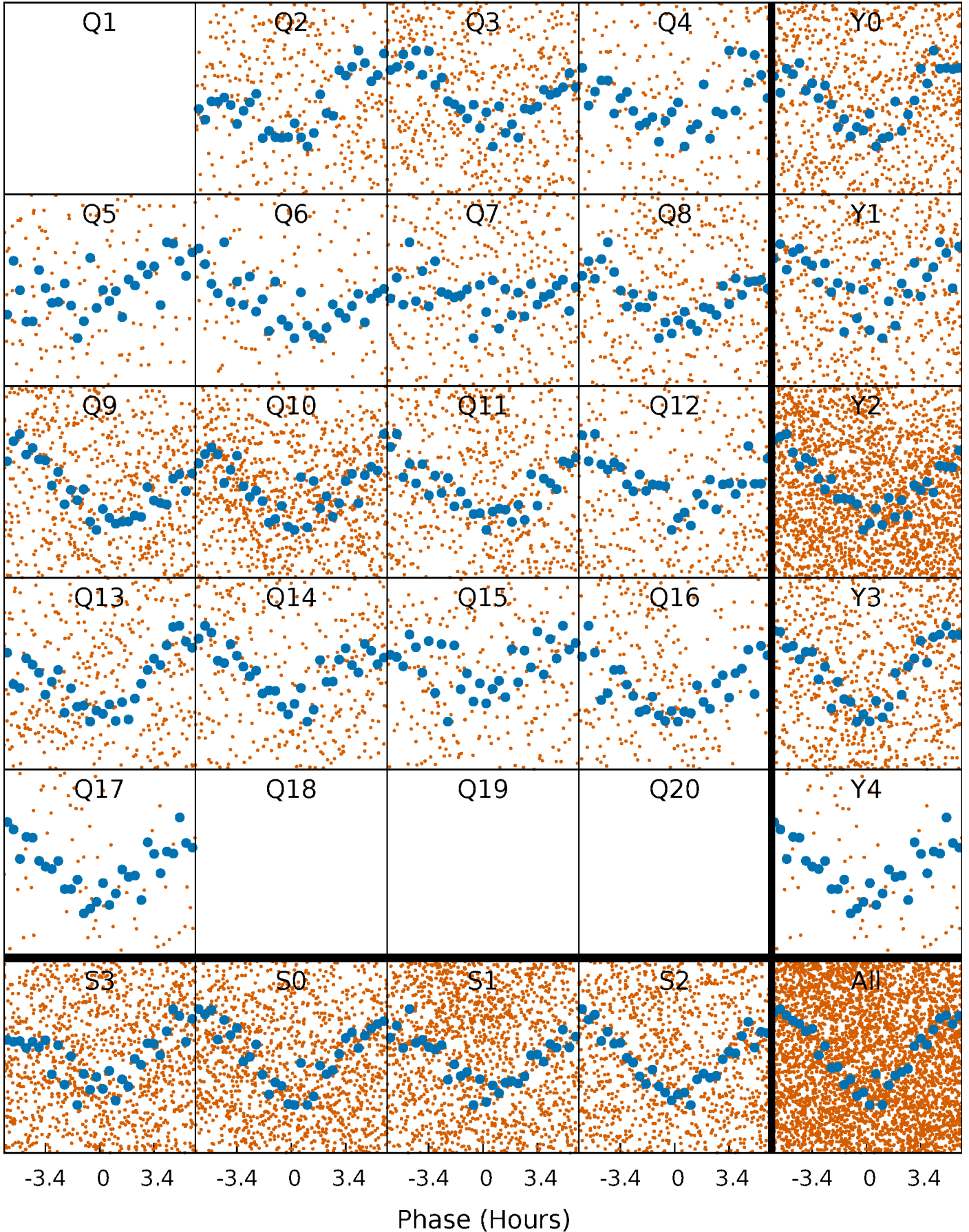


Non-Whitened Vs. Whitened Light Curve



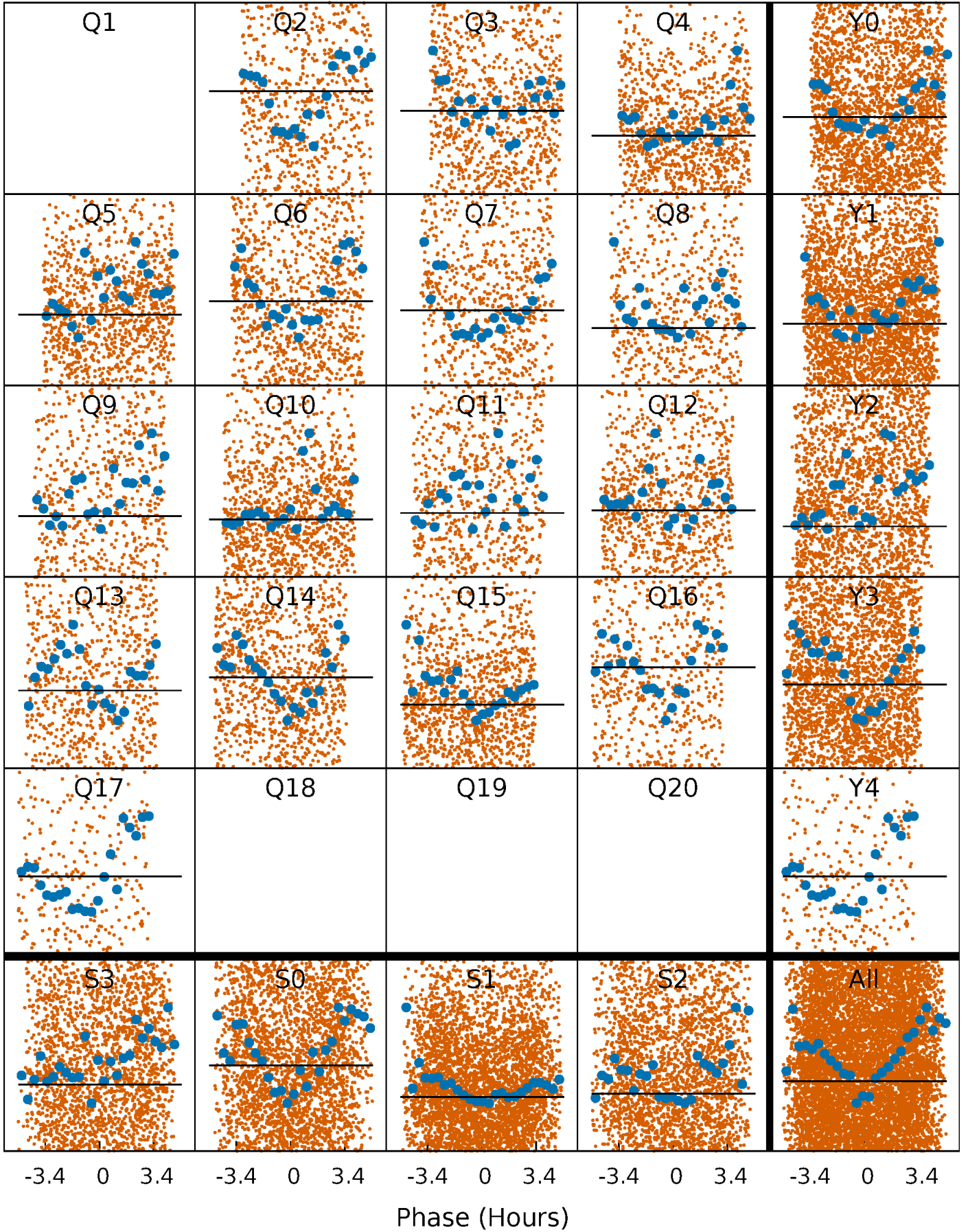
PDC Quarter-Phased Transit Curves

TCE 007449695-03 P= 1.122075 Days $T_0=131.819527$ (BKJD)



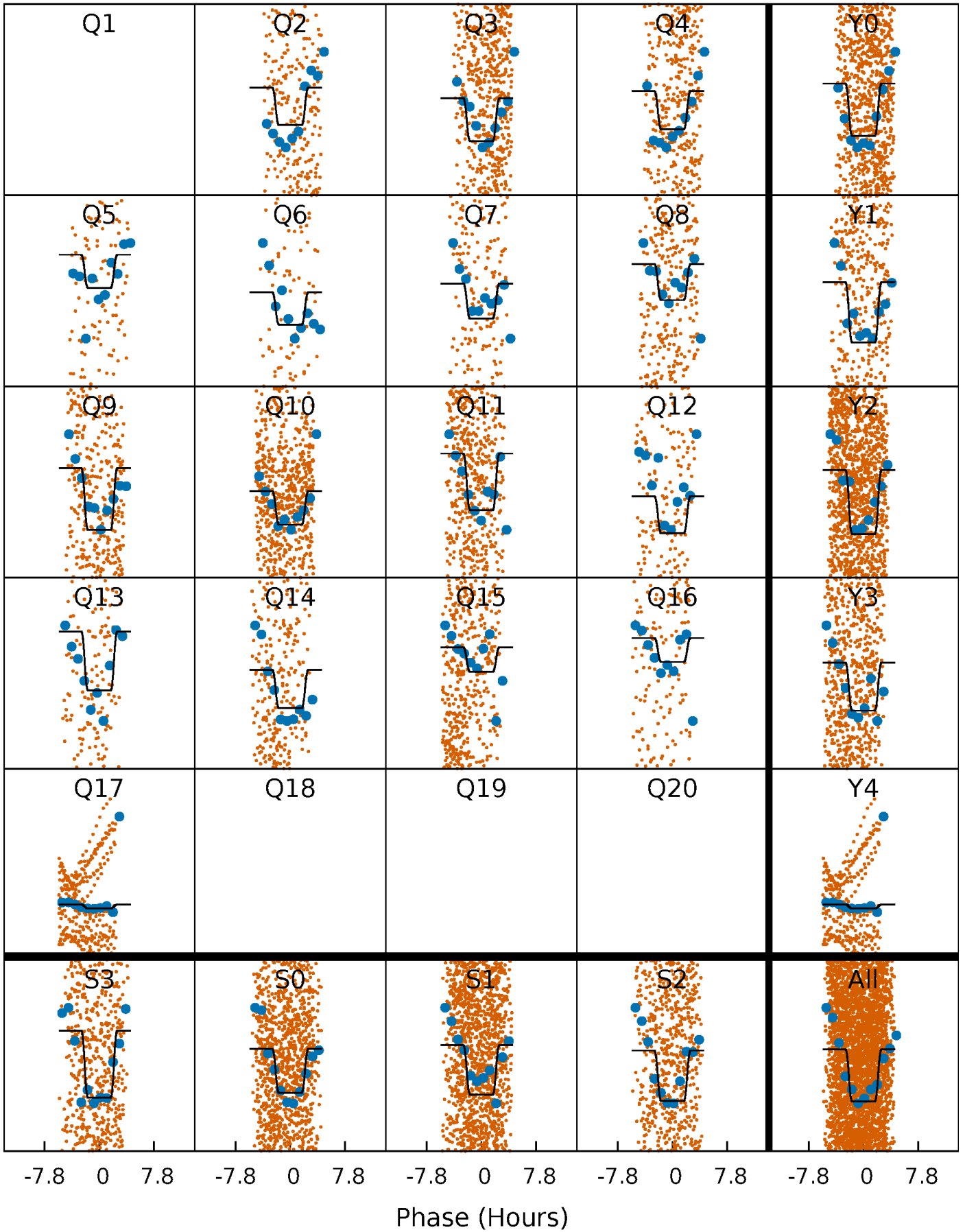
DV Quarter-Phased Transit Curves

TCE 007449695-03 P= 1.122075 Days $T_0=131.819527$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

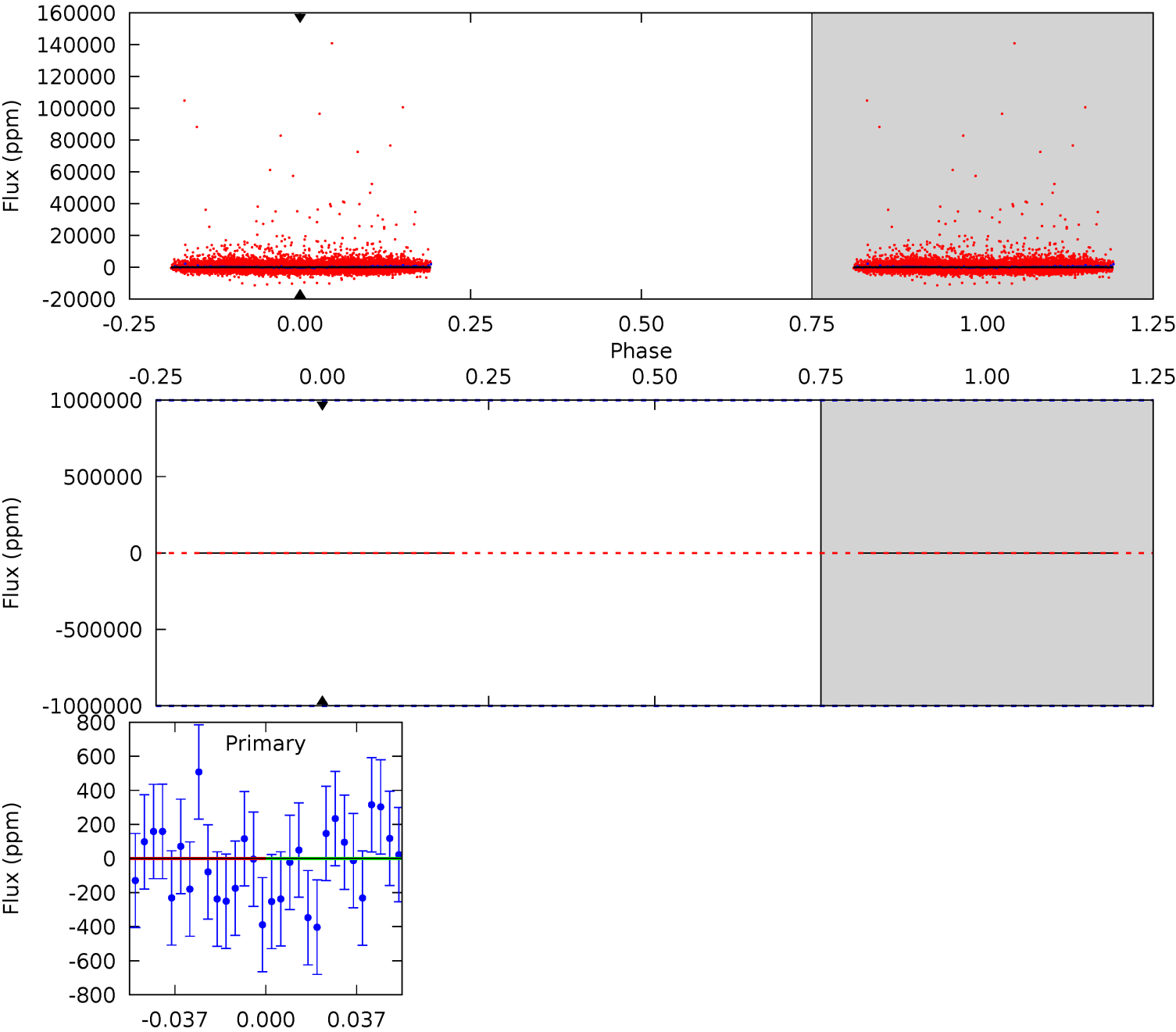
TCE 007449695-03 $P = 1.122075$ Days $T_0 = 131.847488$ (BKJD)



DV Model-Shift Uniqueness Test

007449695-03, P = 1.122075 Days, E = 131.819527 Days

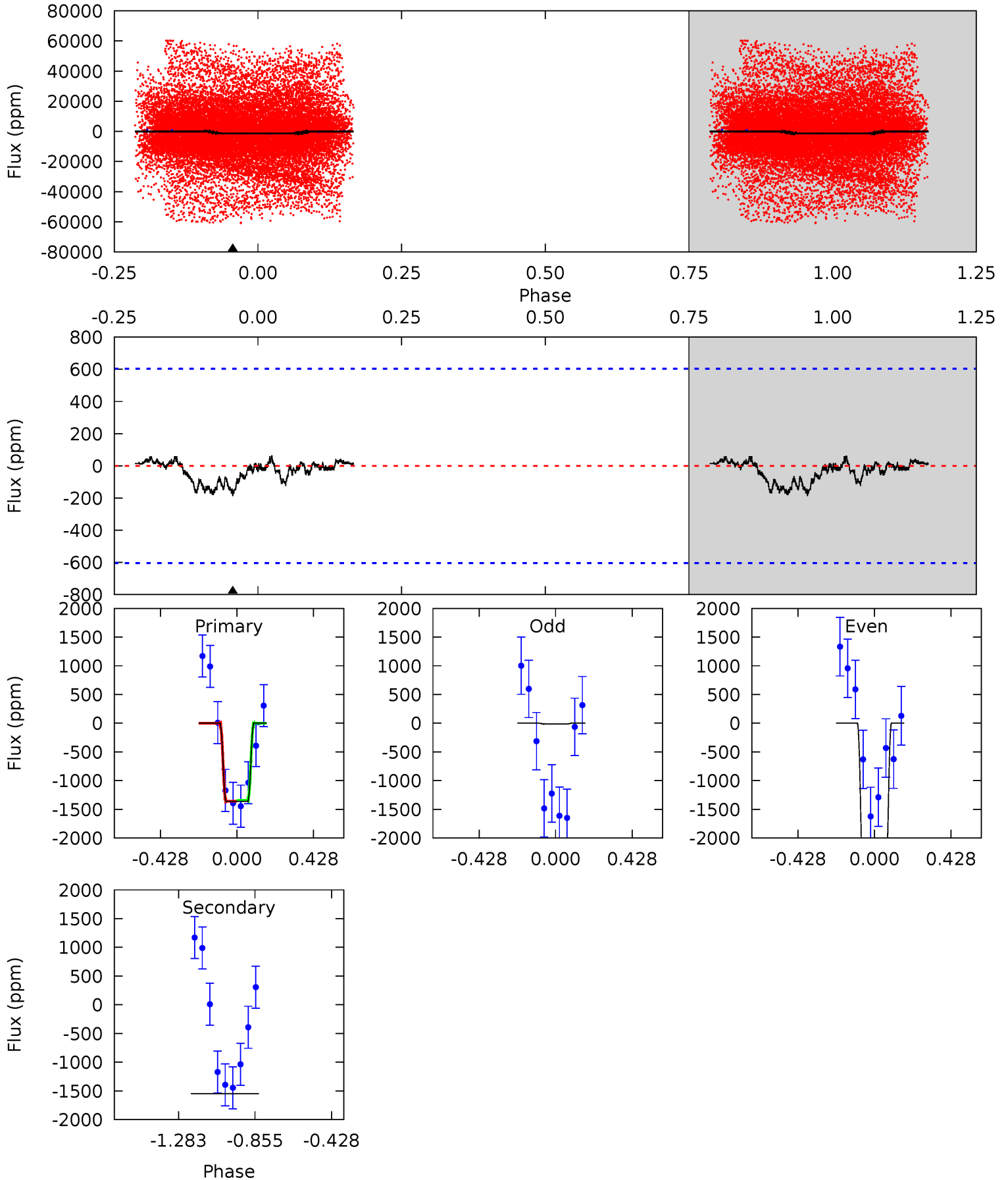
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

007449695-03, P = 1.122075 Days, E = 131.847488 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
1.32	0	0	0	4.25	0.79	0.13	1.32	1.32	0	0	1.49	0	0.25	0.05



Stellar Parameters For KIC 007449695

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (g \cdot \text{cm}^{-3})$
	3787^{+84}_{-84}	$4.742^{+0.052}_{-0.028}$	$-0.100^{+0.200}_{-0.200}$	$0.505^{+0.038}_{-0.052}$	$0.514^{+0.044}_{-0.044}$	$5.610^{+1.409}_{-0.722}$
	+2%/-2%	+1%/-1%	+200%/-200%	+8%/-10%	+9%/-9%	+25%/-13%
Source	PHO2	PHO2	PHO2	DSEP		

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

Secondary Eclipse Parameters for KIC 007449695-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	0 ± 1000000	$4.56^{+4.60}_{-3.06}$	1270^{+36}_{-37}	2687^{+4913}_{-10204}	$5.047^{+1204.708}_{-1183.005}$
Alt.	0 ± 142	$4.70^{+3.96}_{-3.26}$	1268^{+33}_{-37}	-1955^{+4271}_{-448}	$-0.014^{+1.836}_{-1.706}$

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 $A_{obs} \gg 1.0$

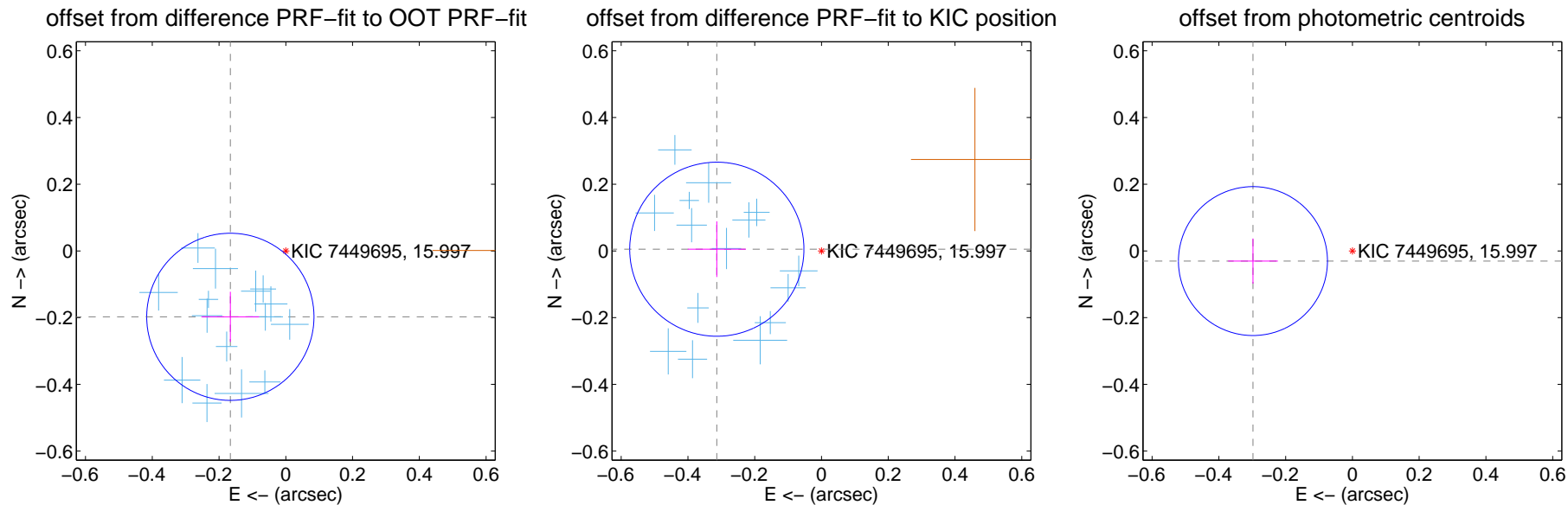
DV Centroid Data

Supplemental centroid analysis for 007449695-03. Kepler magnitude: 16.00. Transit SNR -1.00

There are 15 quarters with good PRF difference image offsets

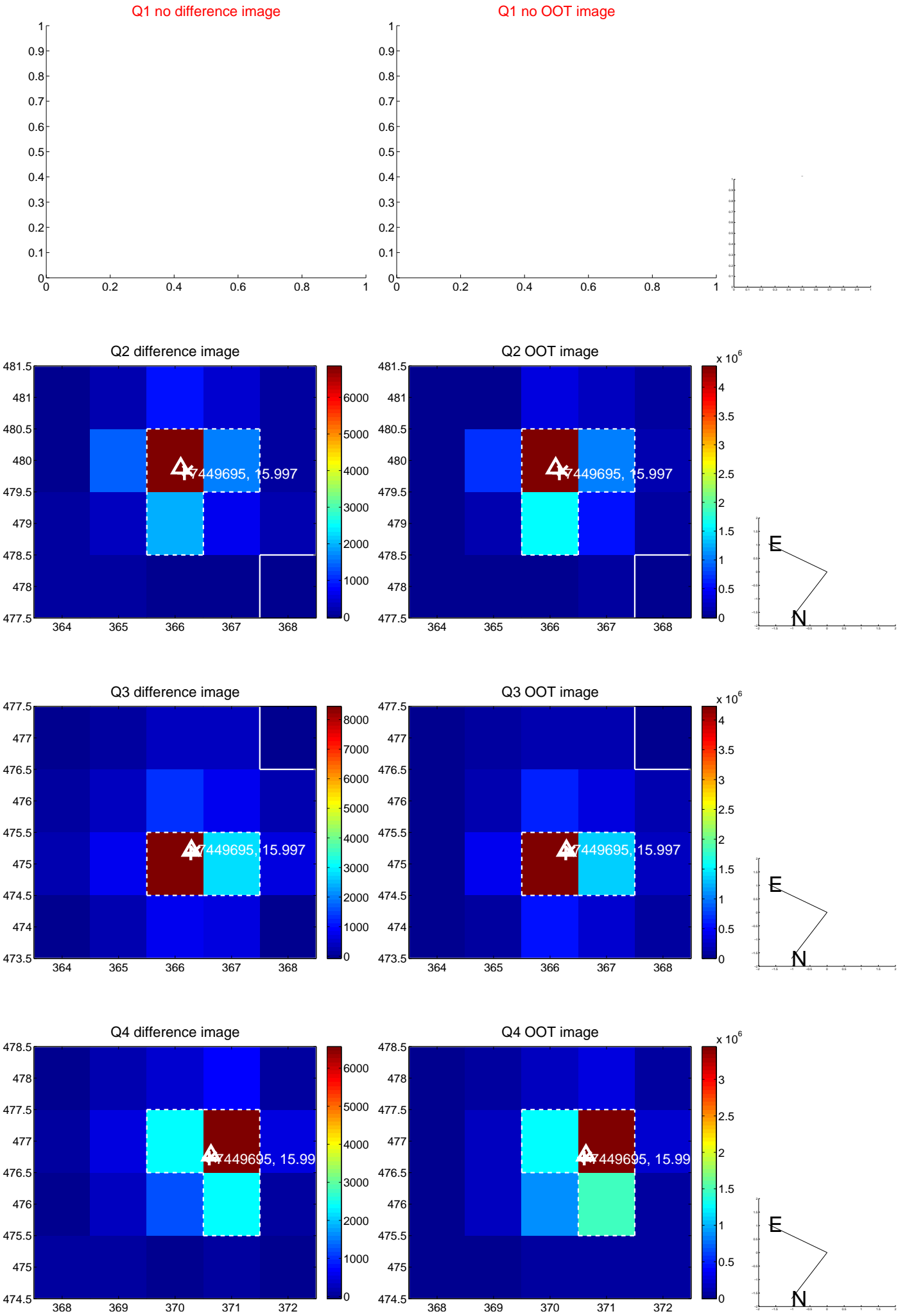
The direct PRF centroid is offset from the target star catalog position by about 0.23 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.258 ± 0.083	3.09	0.166 ± 0.087	-0.197 ± 0.075
PRF-fit source offset from KIC position	0.313 ± 0.087	3.61	0.313 ± 0.087	0.005 ± 0.083
photometric centroid source offset	0.30 ± 0.07	4.03	0.30 ± 0.07	-0.03 ± 0.07

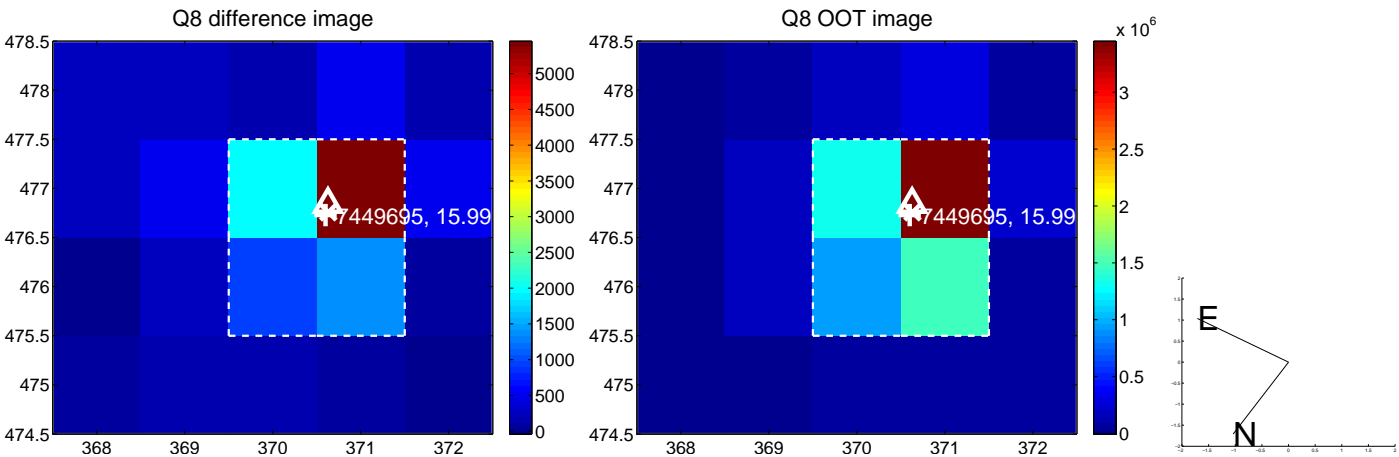
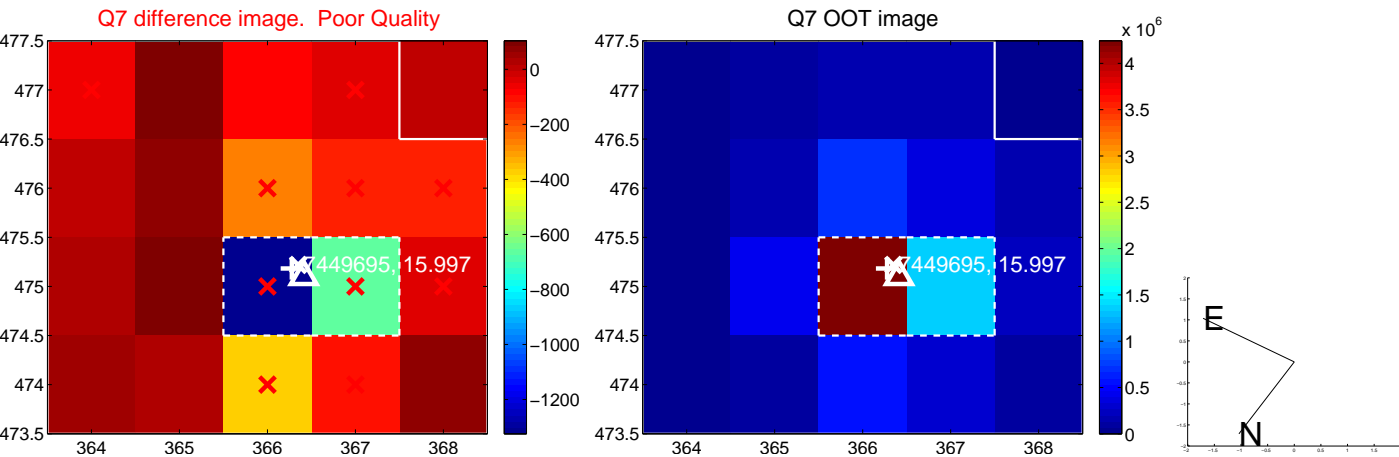
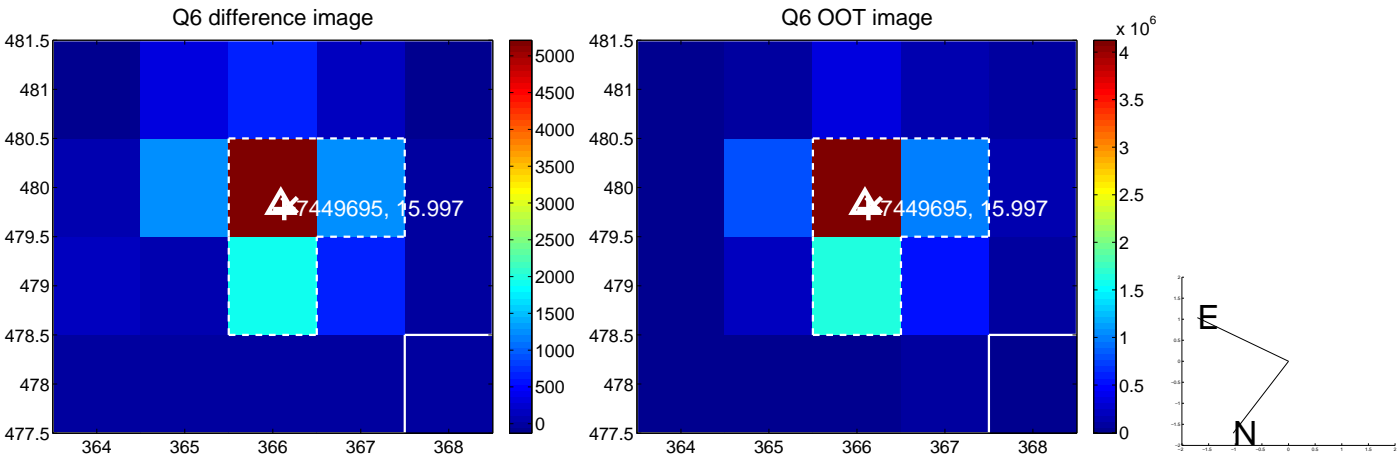
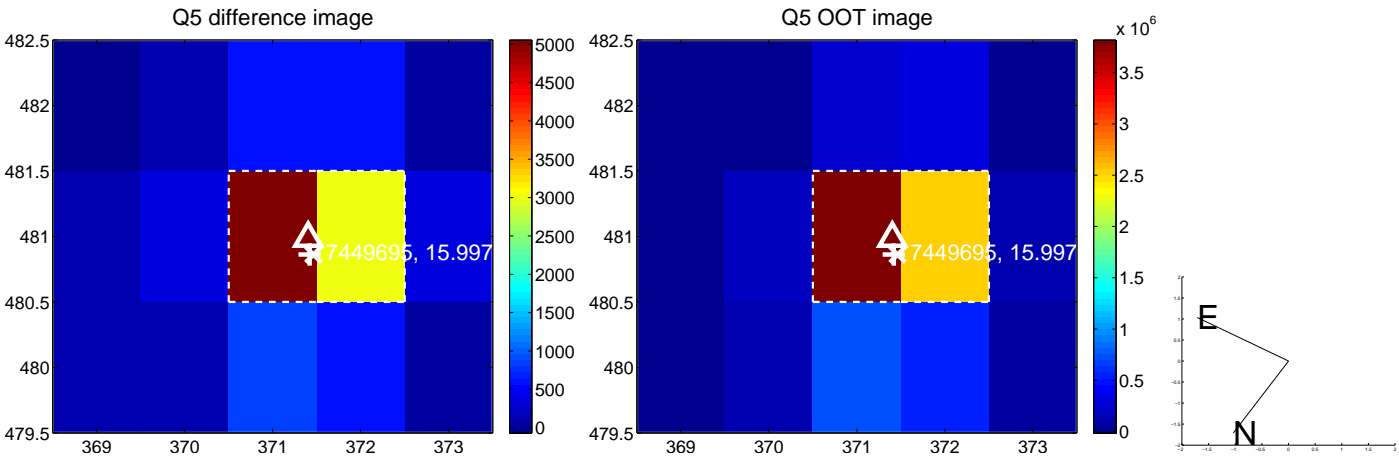


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

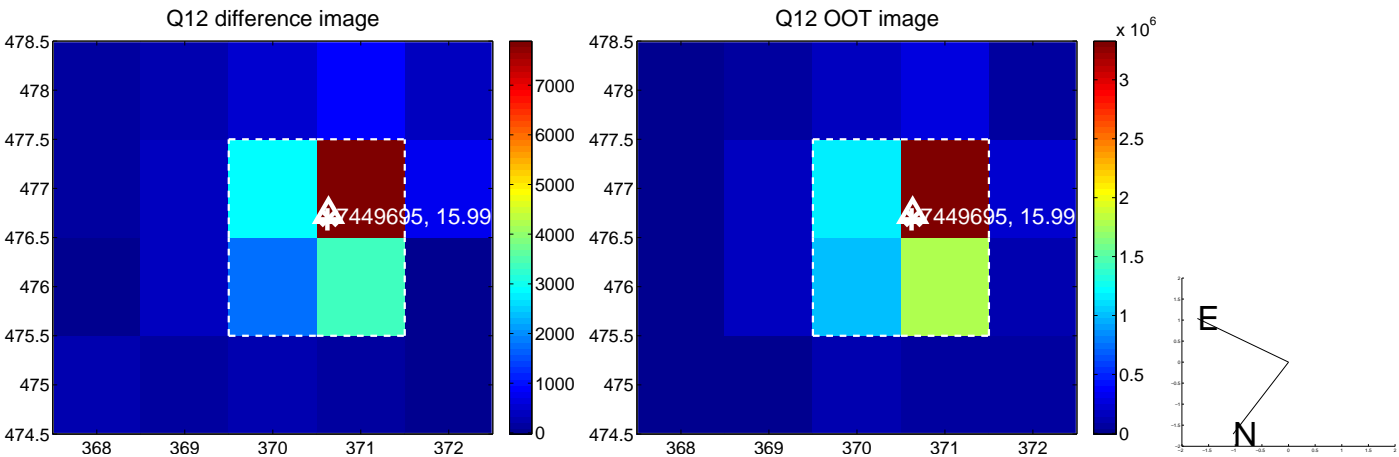
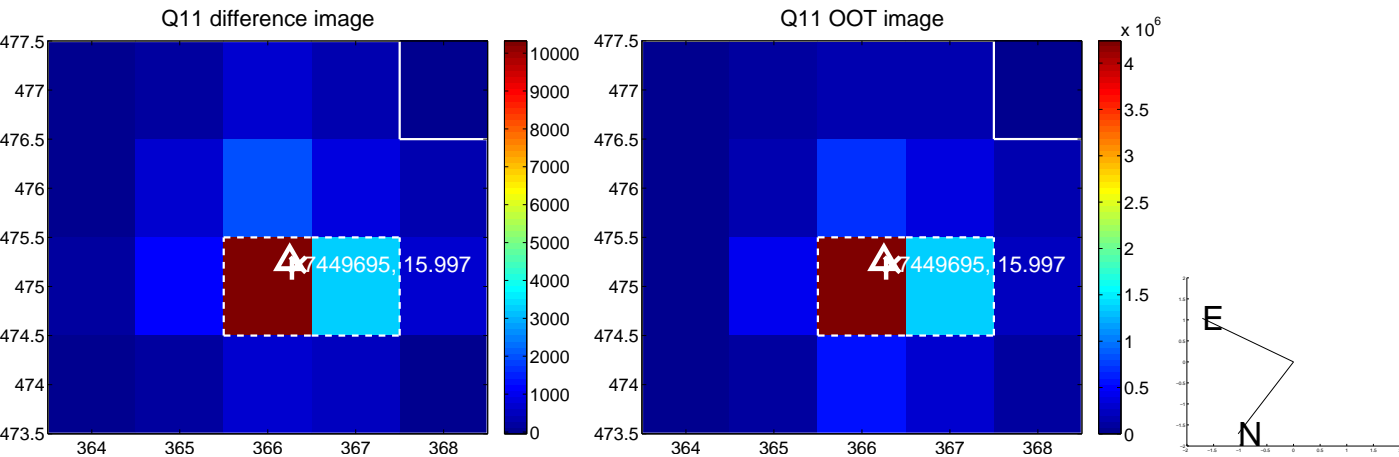
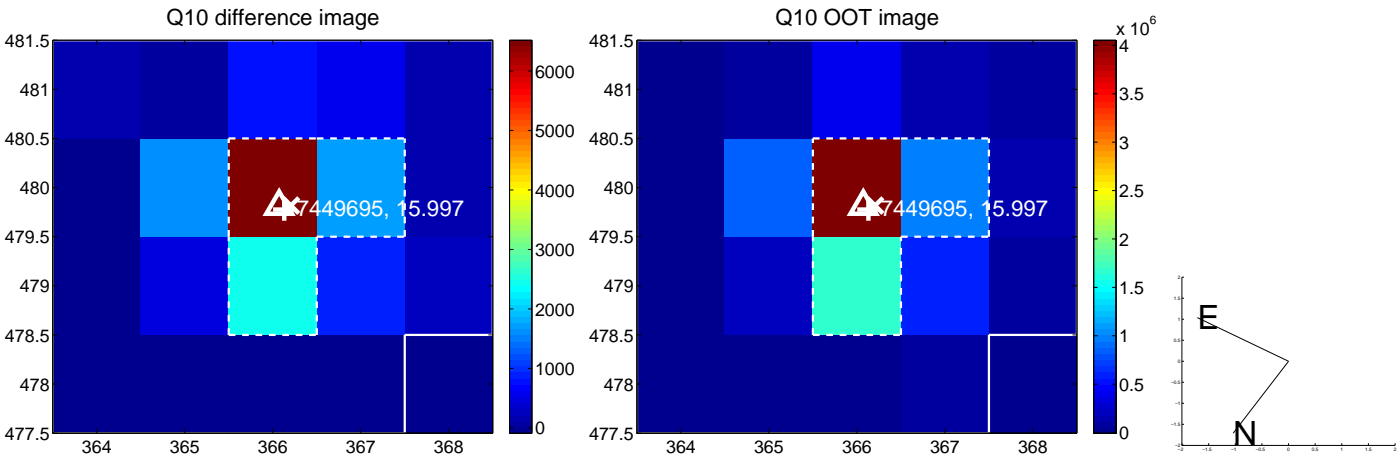
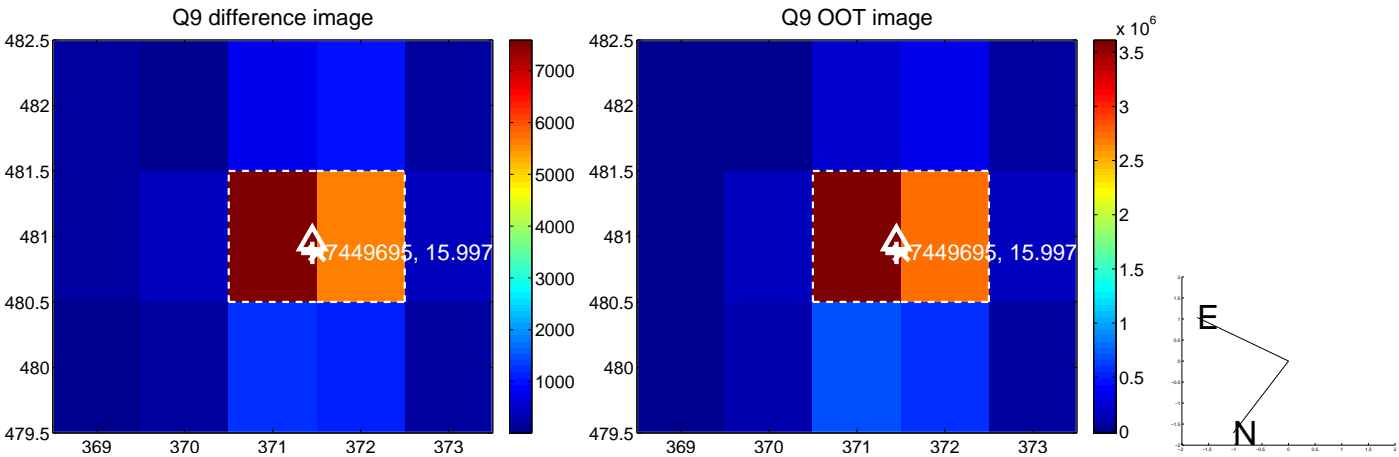
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



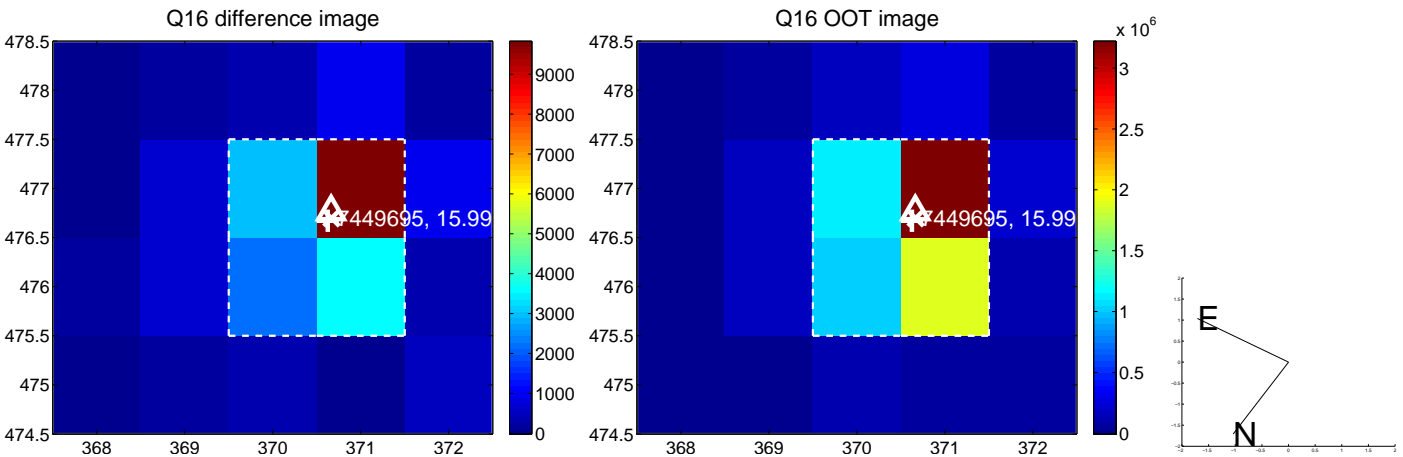
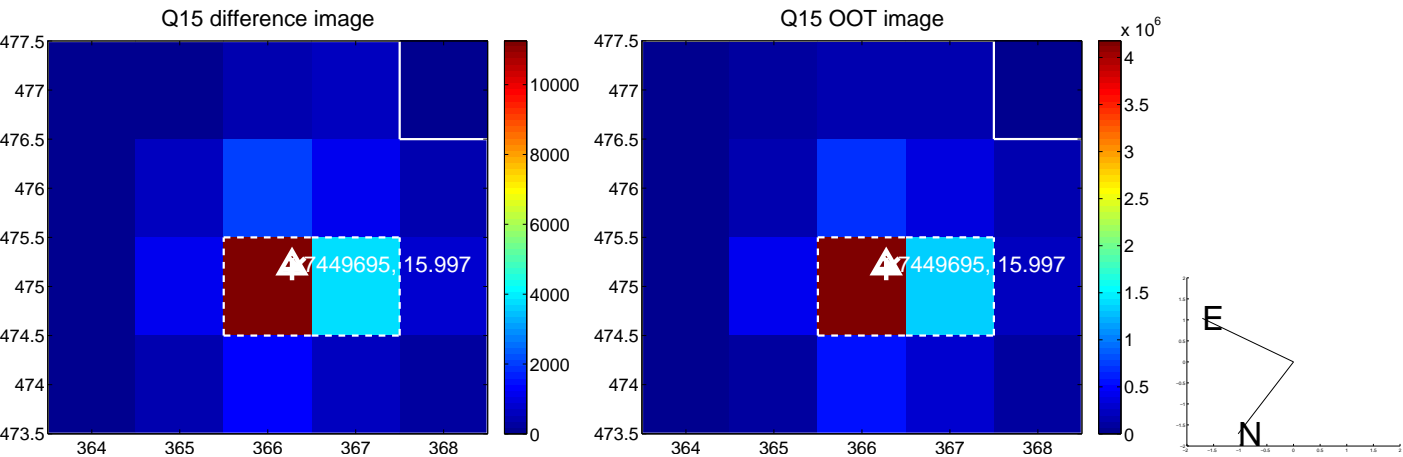
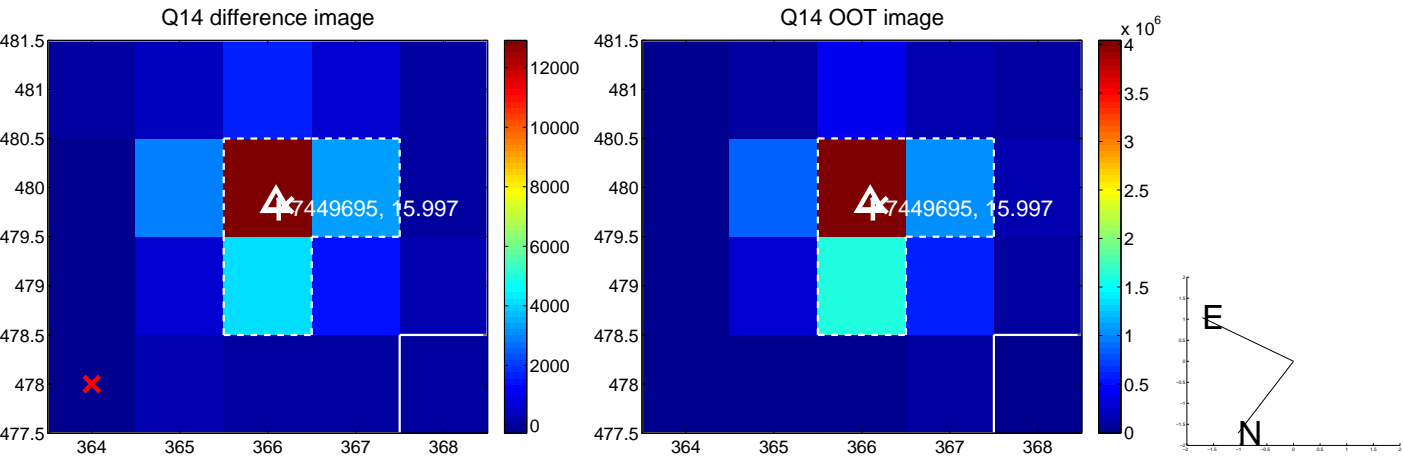
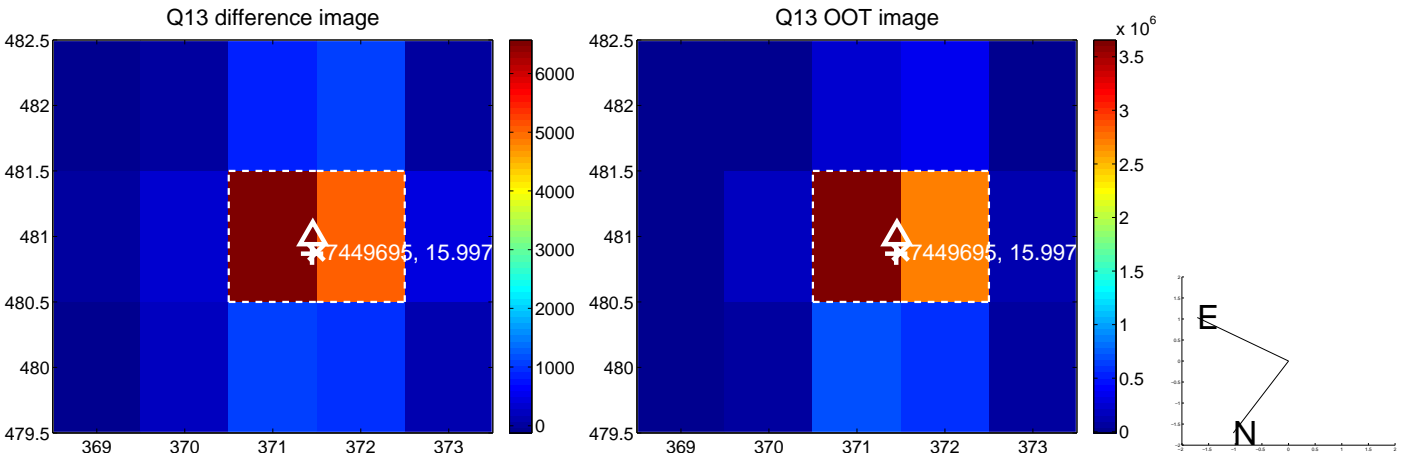
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



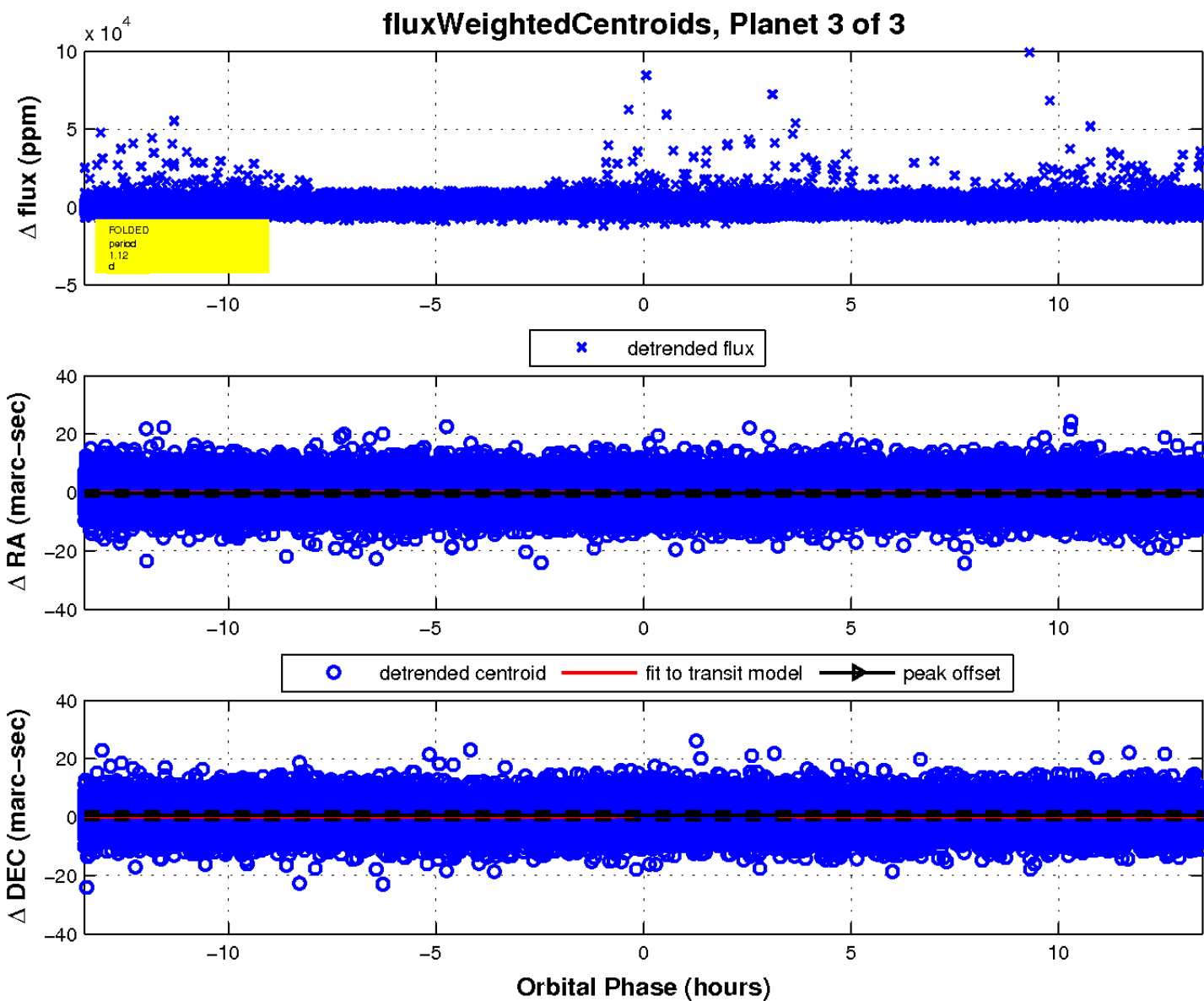
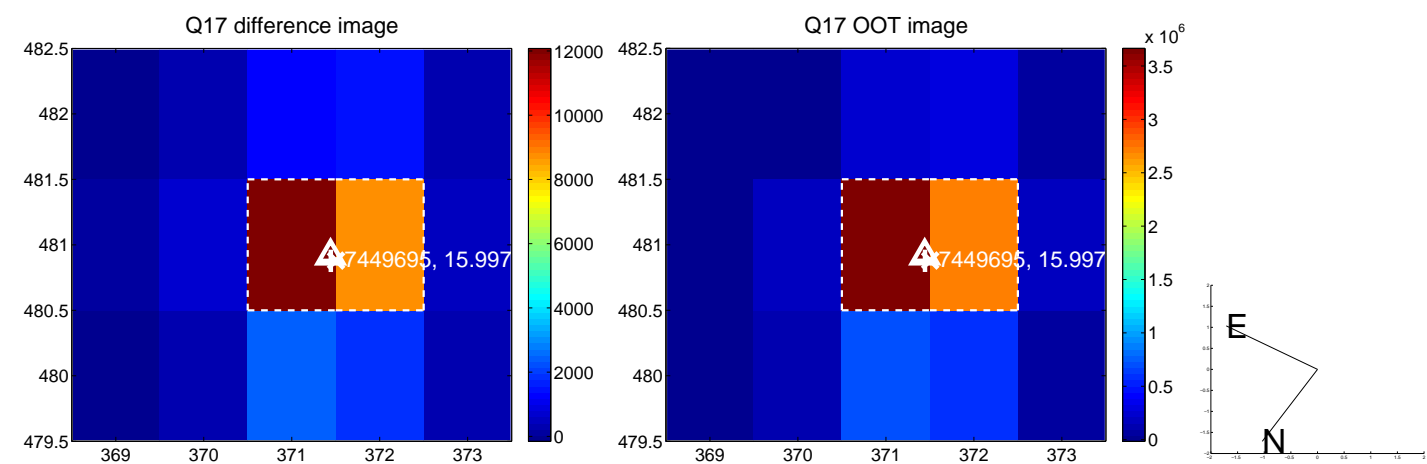
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

