

KIC 011235995

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})
011235995-01	OBS	No	492.689583	470.887051	1322.4	4.302	11.7	7.7	0.84	5411	3.19	0.40
011235995-02	OBS	No	327.115325	201.274682	1254.2	4.842	11.1	6.3	0.84	5411	2.94	0.69
011235995-03	OBS	No	483.280939	465.034371	939.7	7.500	11.1	-1.0	0.84	5411	2.52	0.41

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011235995-01	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_POS_DV—CENT_FEW_DIFFS
011235995-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL_SKYE—LPP_DV—ALL_TRANS_CHASES—MOD_POS_DV
011235995-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_TER_ALT—MOD_POS_ALT—INCONSISTENT_TRANS—CENT_NOFITS

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

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

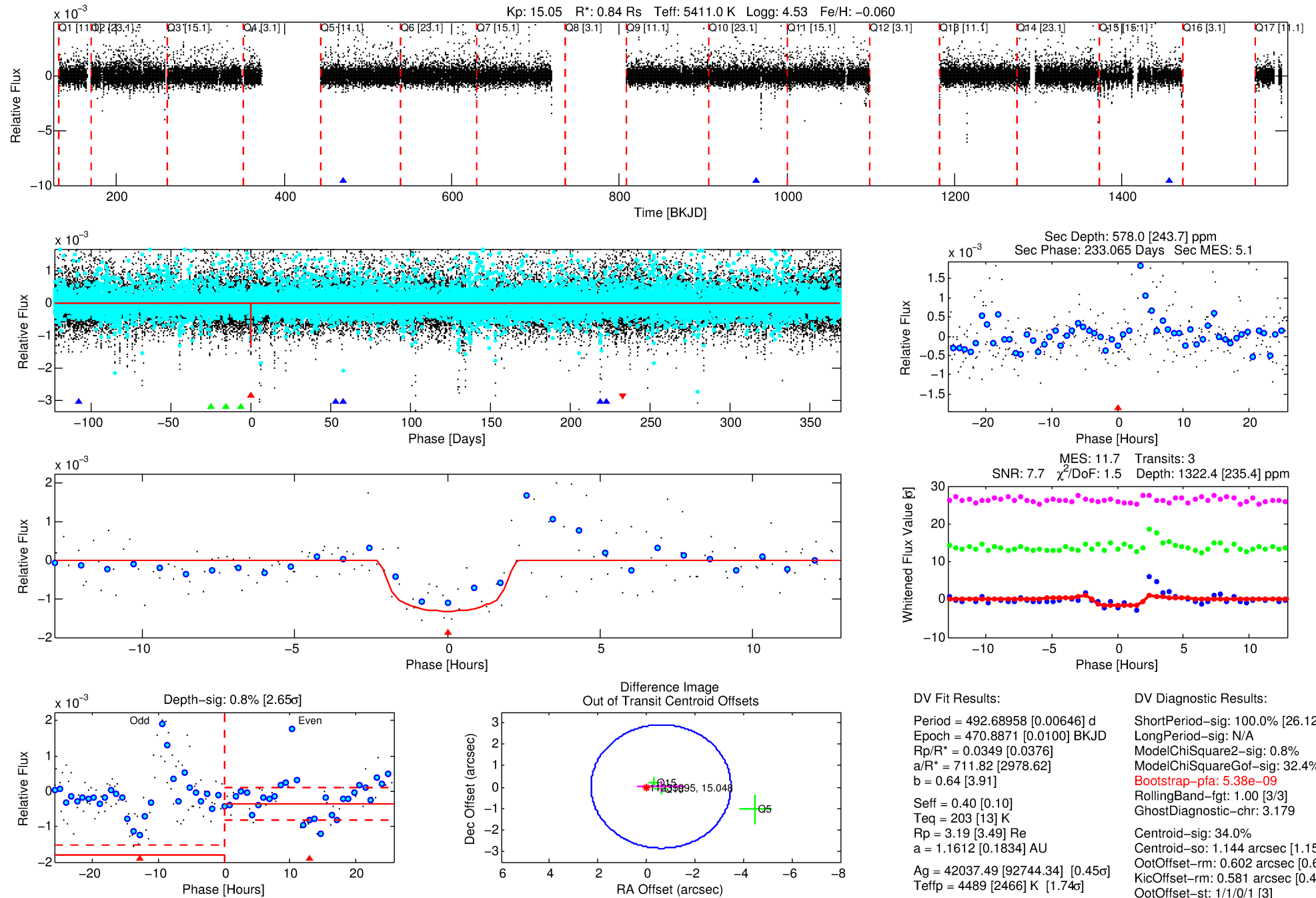
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011235995-01

No Significant Match Found

DV One-Page Summary

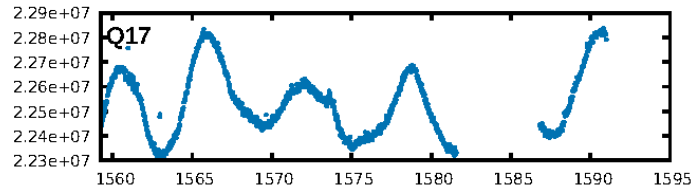
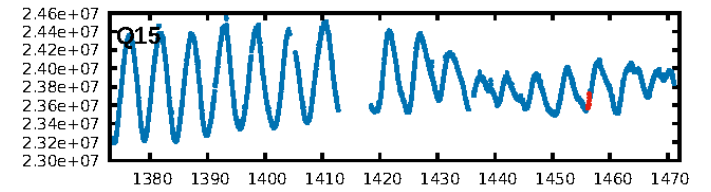
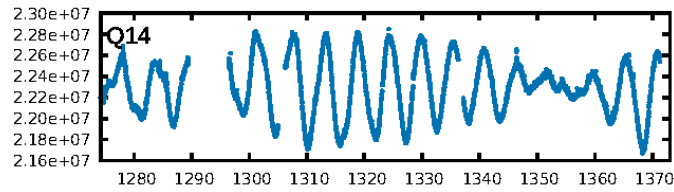
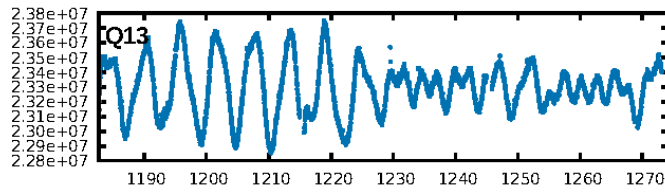
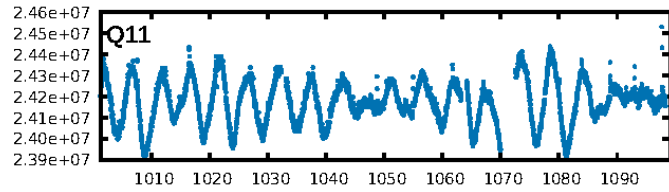
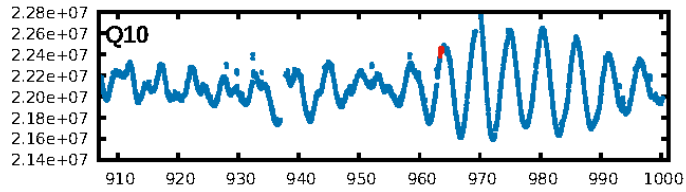
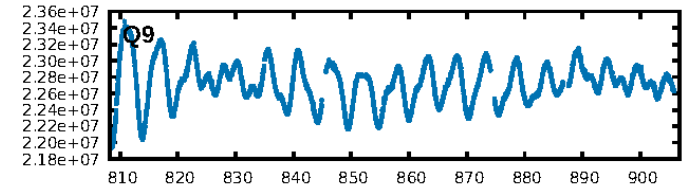
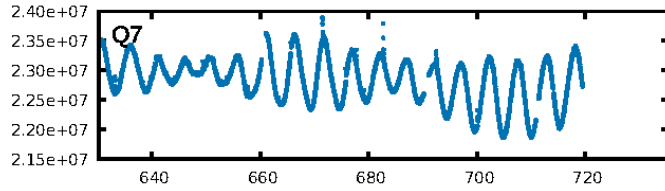
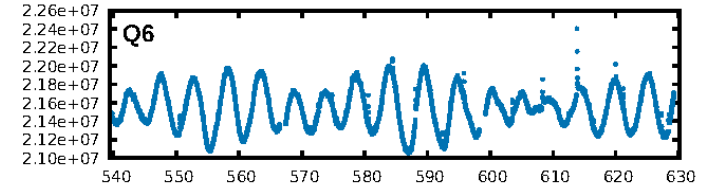
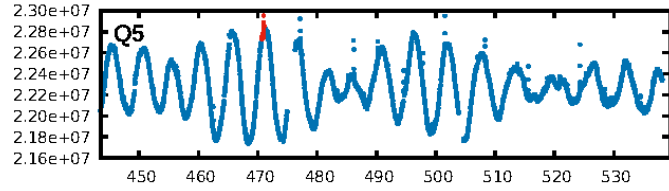
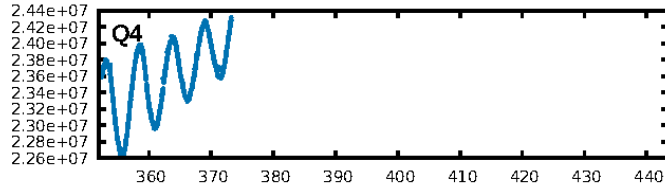
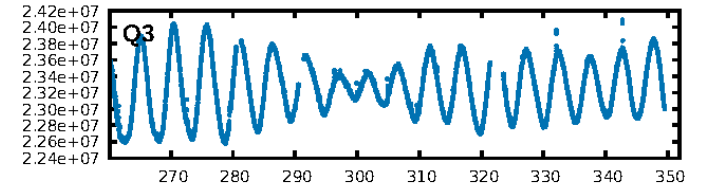
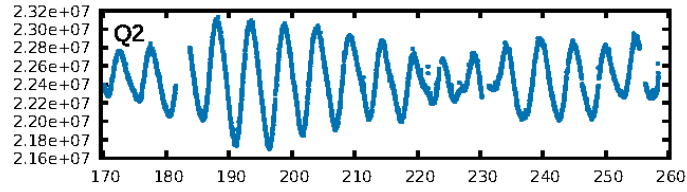
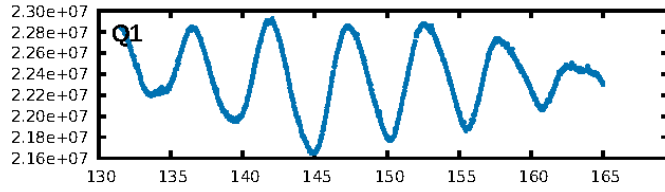
KIC: 11235995 Candidate: 1 of 3 Period: 492.690 d



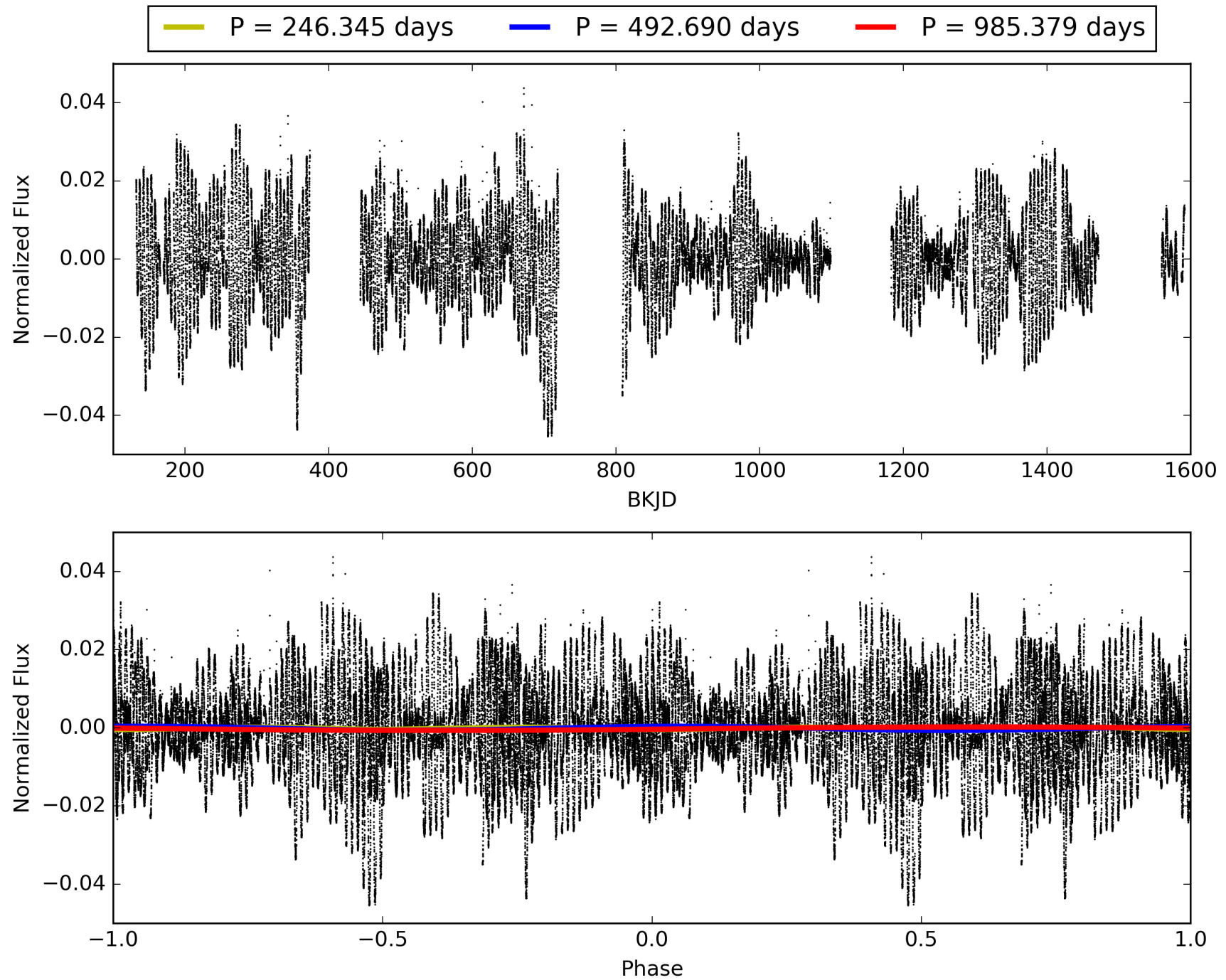
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 29-Jan-2016 12:40:07 Z

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

TCE 011235995-01, PDC Light Curves

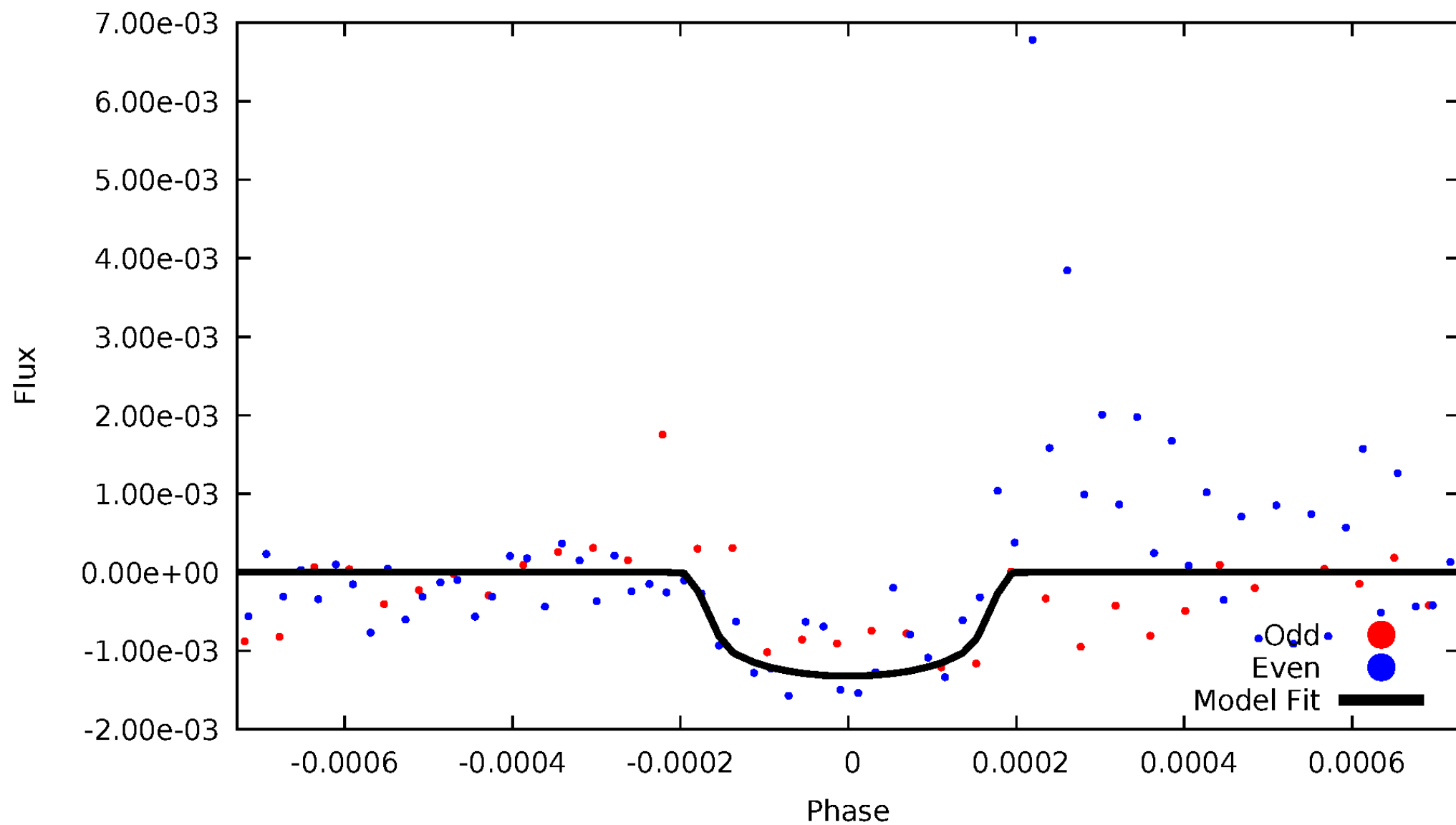


TCE 011235995-01



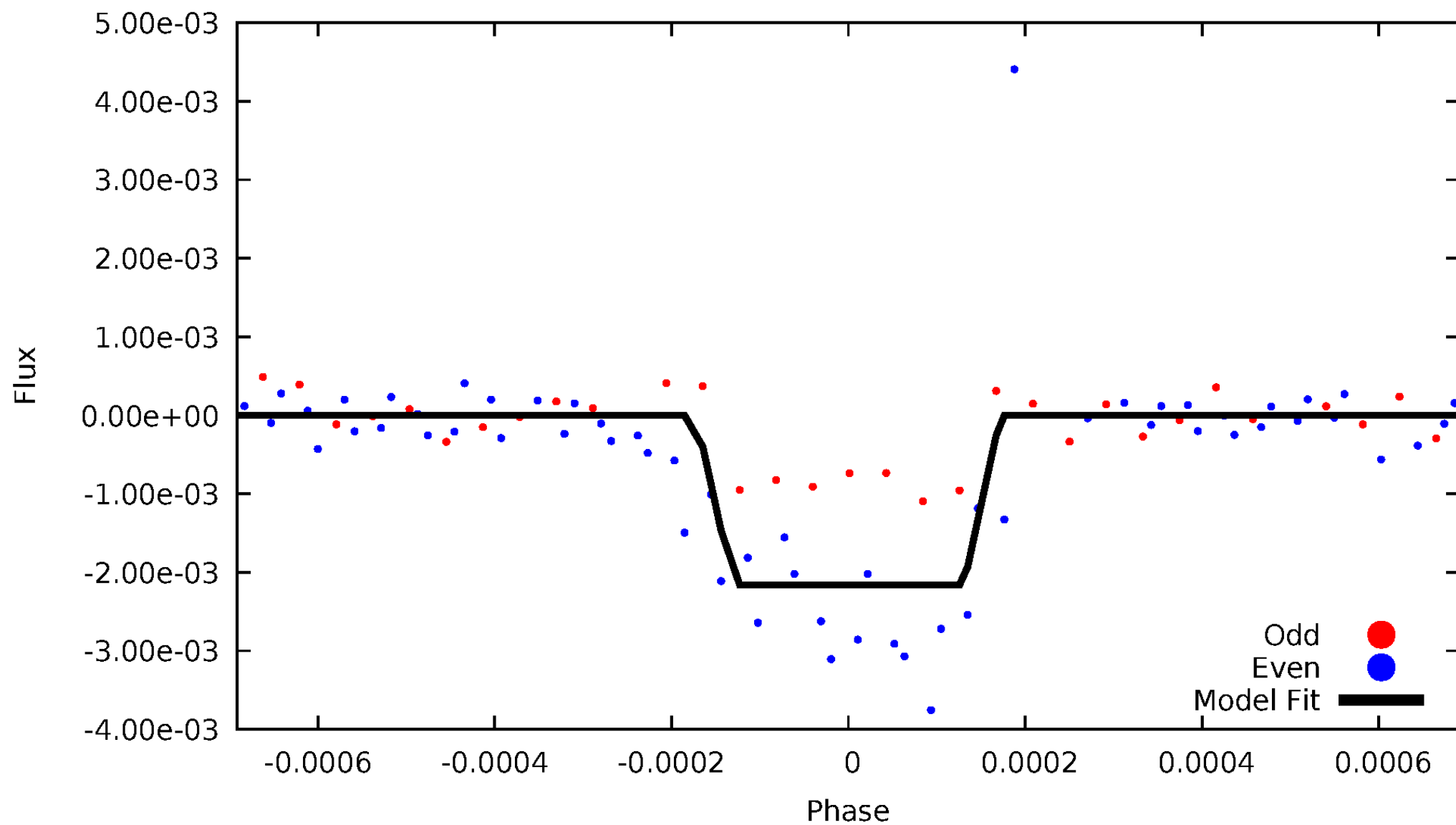
DV Odd/Even

TCE 011235995-01

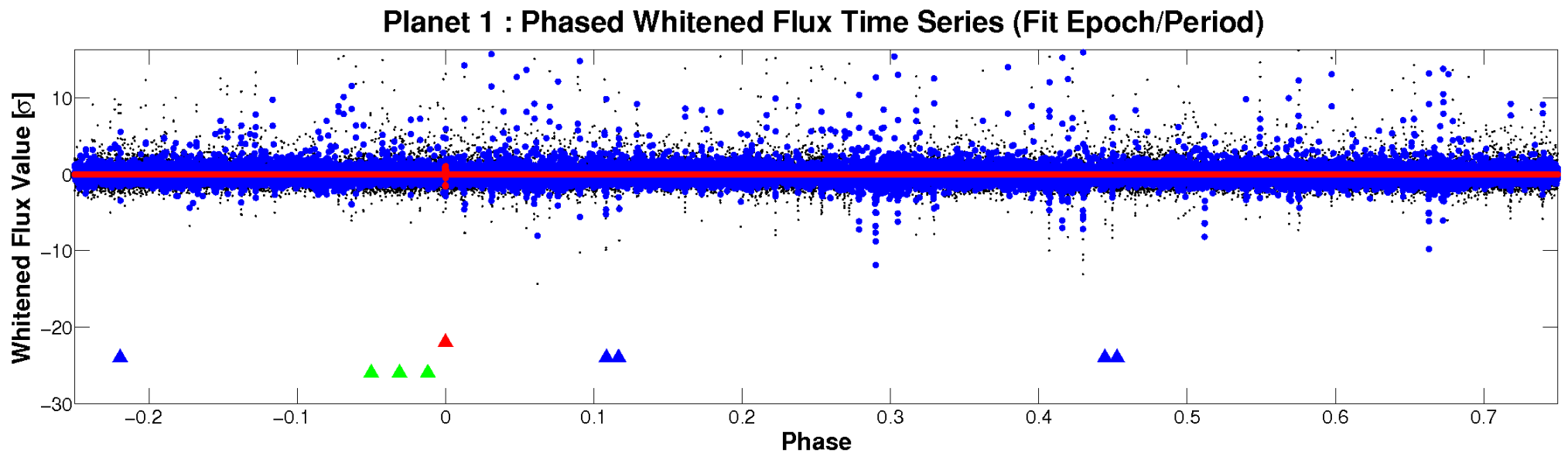
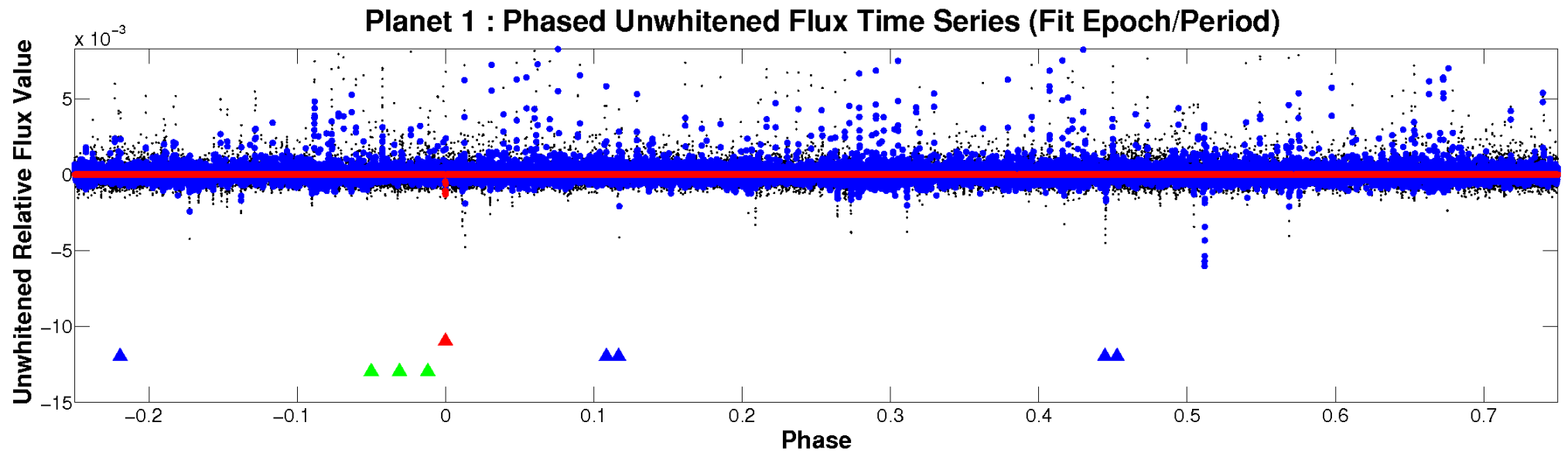


ALT Odd/Even

TCE 011235995-01

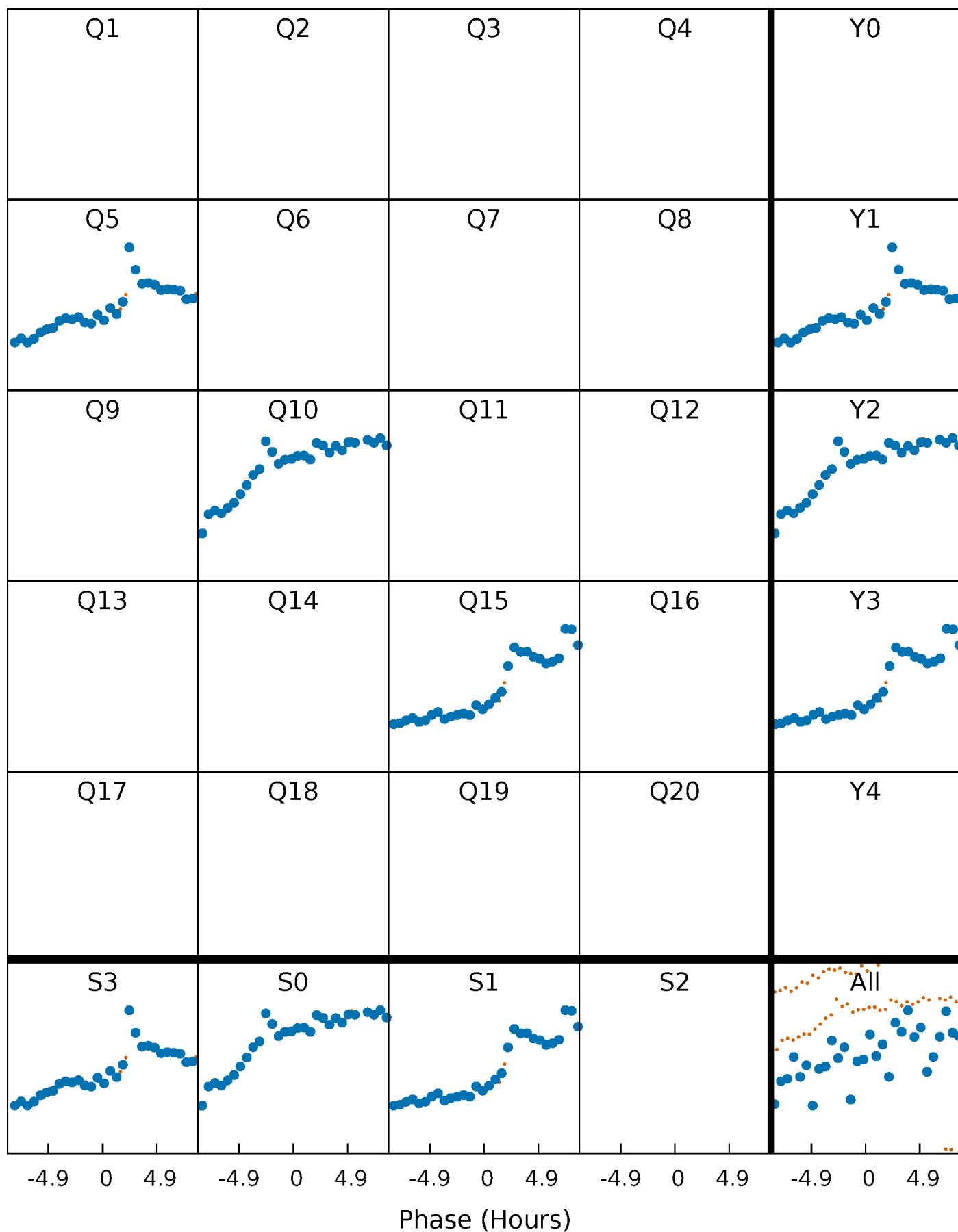


Non-Whitened Vs. Whitened Light Curve



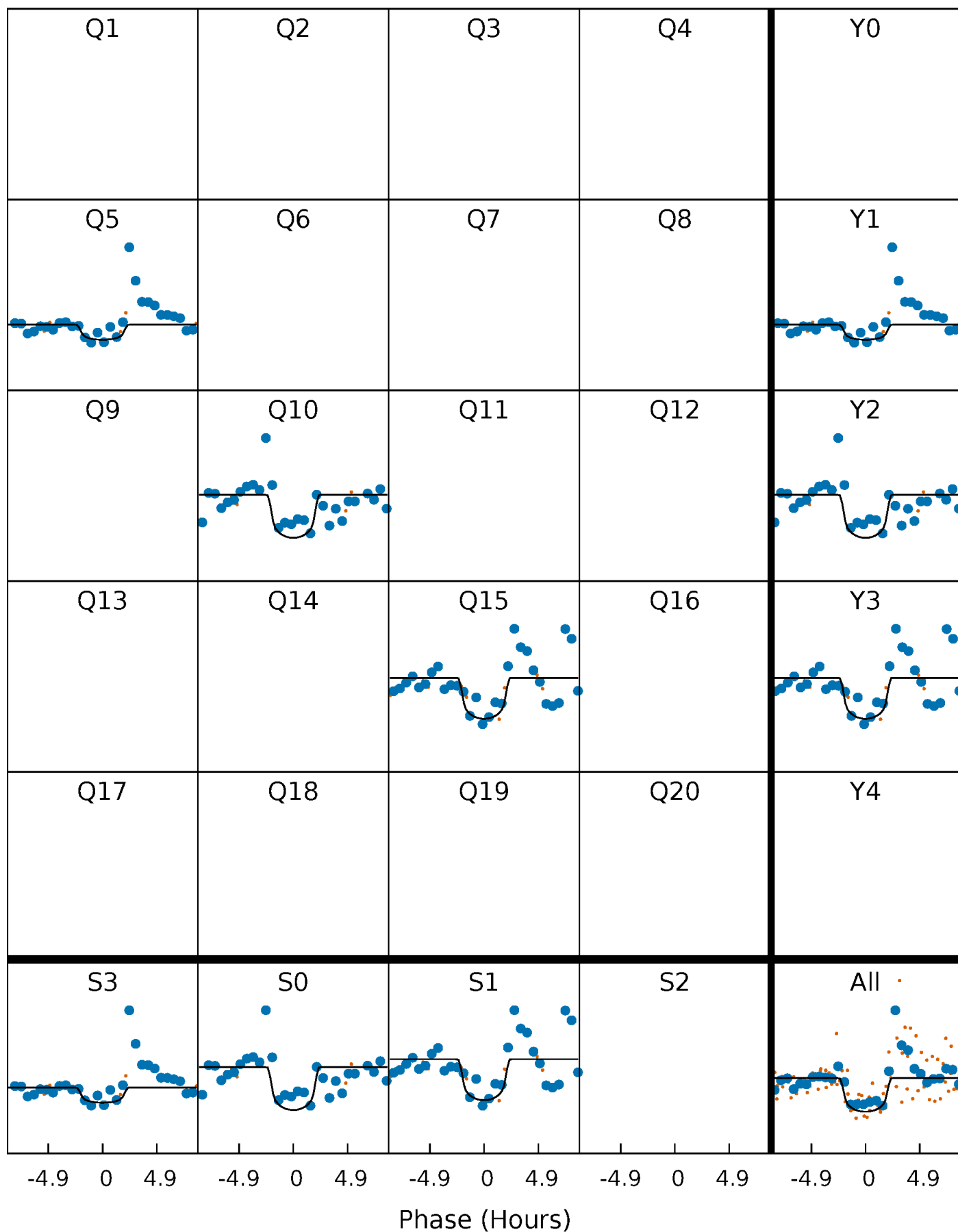
PDC Quarter-Phased Transit Curves

TCE 011235995-01 P=492.689583 Days $T_0=470.887051$ (BKJD)



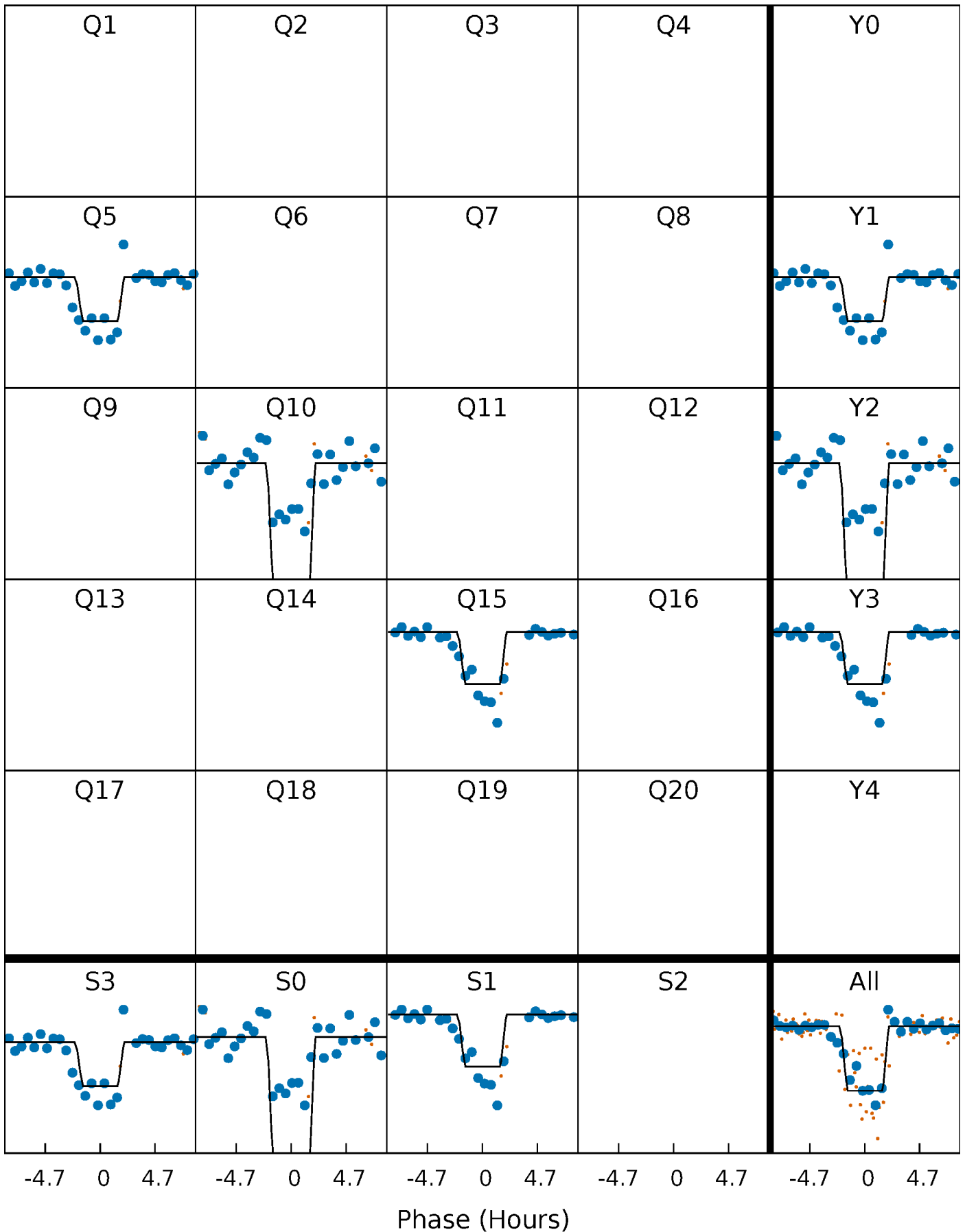
DV Quarter-Phased Transit Curves

TCE 011235995-01 $P=492.689583$ Days $T_0=470.887051$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

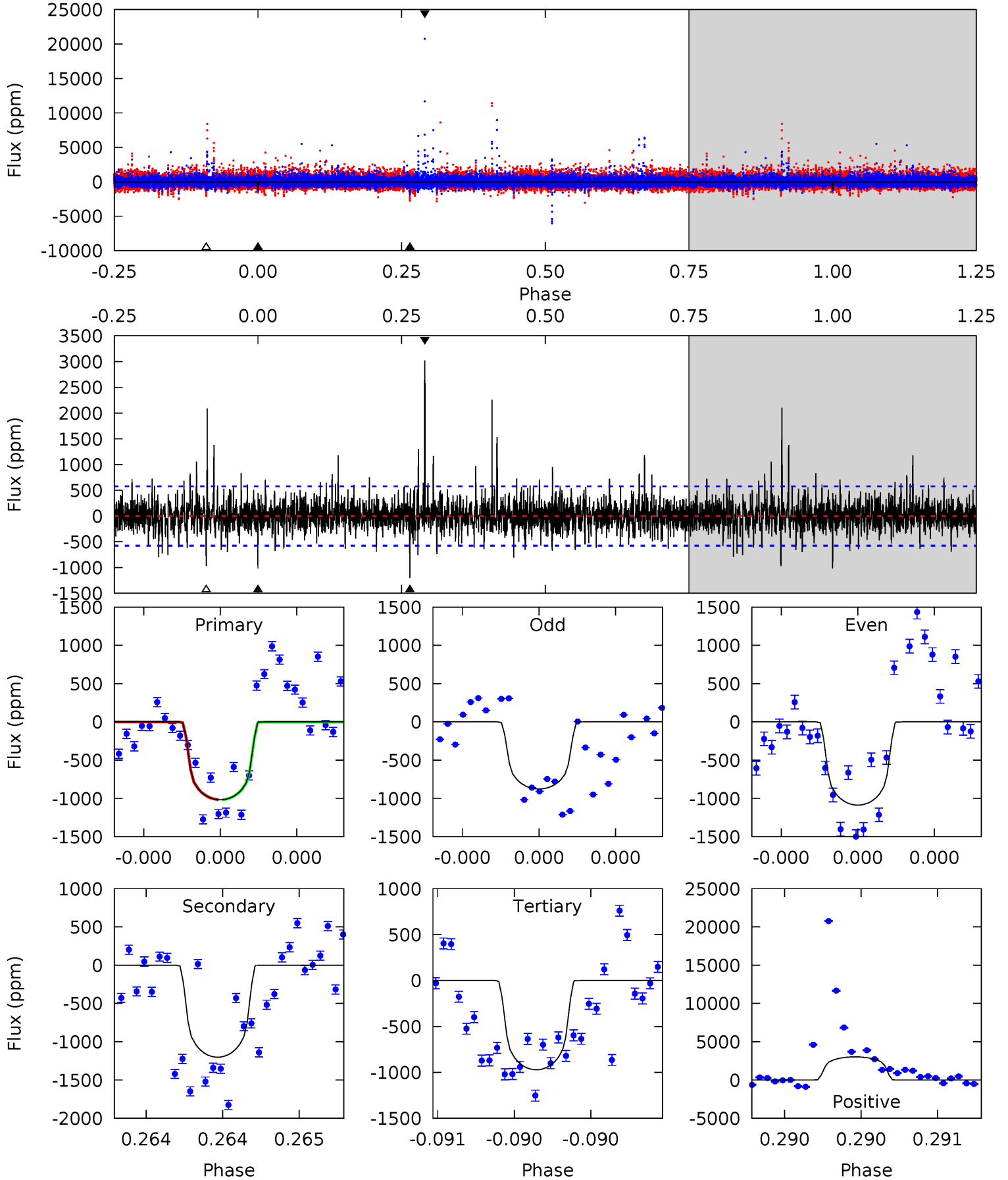
TCE 011235995-01 P=492.687187 Days $T_0=470.902477$ (BKJD)



DV Model-Shift Uniqueness Test

011235995-01, P = 492.689583 Days, E = 470.887051 Days

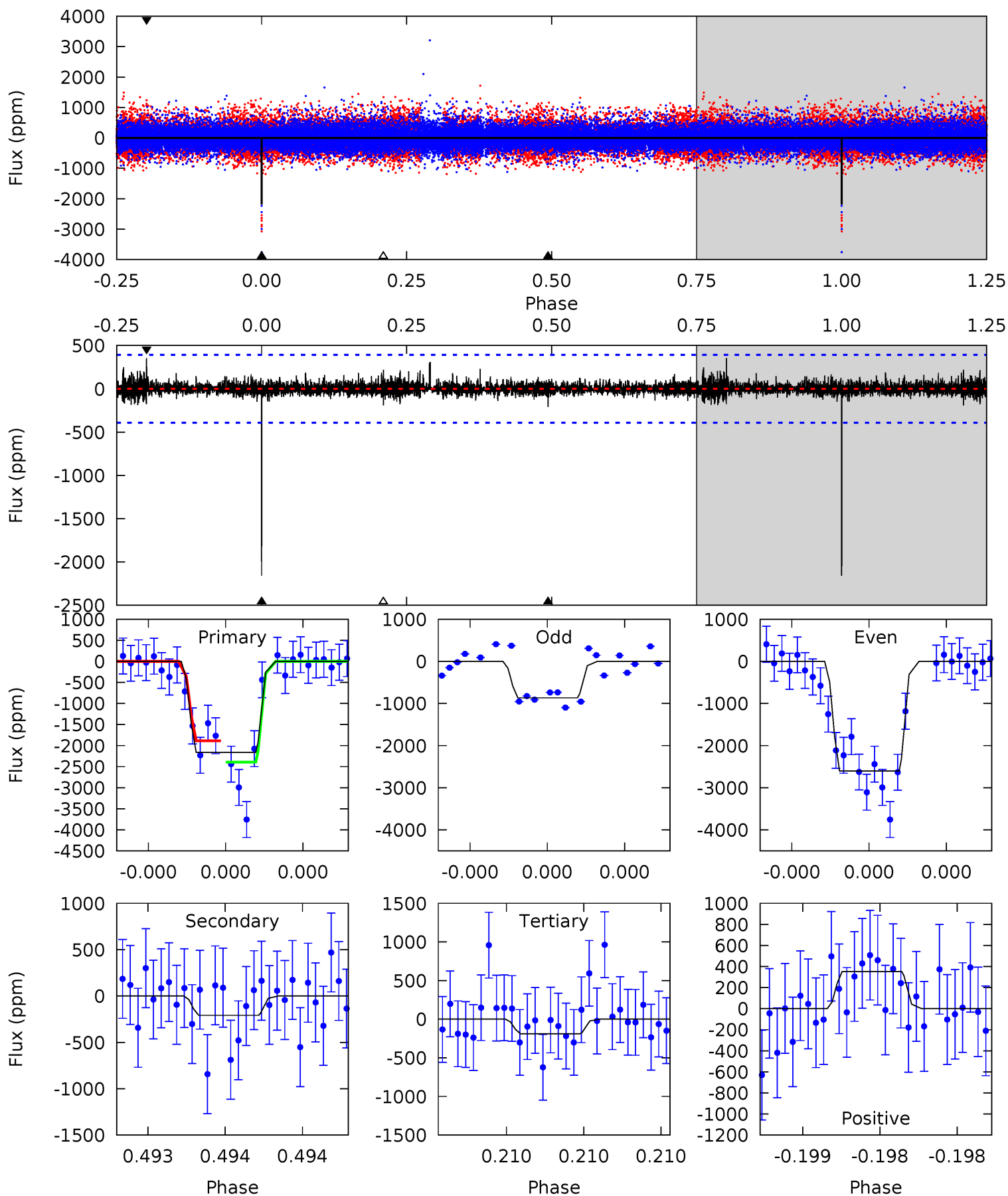
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.92	11.7	9.47	29.5	5.61	3.54	2.14	0.44	-19.6	2.24	-17.8	0.86	0.96	0.72	0.01



Alt Model-Shift Uniqueness Test

011235995-01, P = 492.687187 Days, E = 470.902477 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
31.2	3.01	2.75	5.09	5.65	3.60	0.60	28.4	26.1	0.26	-2.08	12.6	0.78	0.14	3.87



Stellar Parameters For KIC 011235995

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5411^{+160}_{-144}	$4.526^{+0.054}_{-0.126}$	$-0.060^{+0.300}_{-0.300}$	$0.838^{+0.157}_{-0.085}$	$0.861^{+0.090}_{-0.081}$	$2.059^{+0.569}_{-0.753}$
	+3%/-3%	+1%/-3%	+500%/-500%	+19%/-10%	+10%/-9%	+28%/-37%
Source	PHO1	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 011235995-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-1201 ± 103	$4.00^{+3.40}_{-2.60}$	288^{+13}_{-13}	4958^{+3430}_{-1043}	$56681^{+400170}_{-40459}$
Alt.	-208 ± 69	$4.94^{+3.21}_{-2.92}$	287^{+14}_{-12}	3326^{+1222}_{-463}	5992^{+29775}_{-3981}

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 $A_{obs} \gg 1.0$

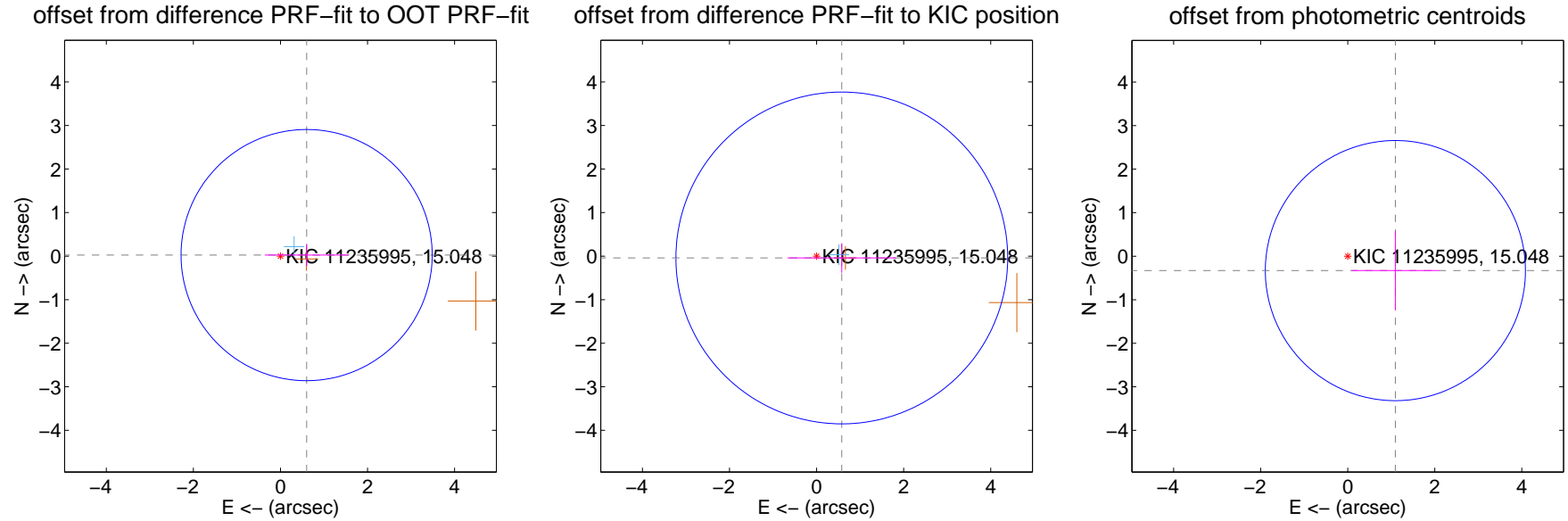
DV Centroid Data

Supplemental centroid analysis for 011235995-01. Kepler magnitude: 15.05. Transit SNR 7.69

There are 1 quarters with good PRF difference image offsets

The direct PRF centroid is offset from the target star catalog position by about 0.27 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.602 ± 0.961	0.63	-0.601 ± 0.962	0.024 ± 0.252
PRF-fit source offset from KIC position	0.581 ± 1.270	0.46	-0.579 ± 1.249	-0.042 ± 0.338
photometric centroid source offset	1.14 ± 1.00	1.15	-1.10 ± 1.00	-0.33 ± 0.91

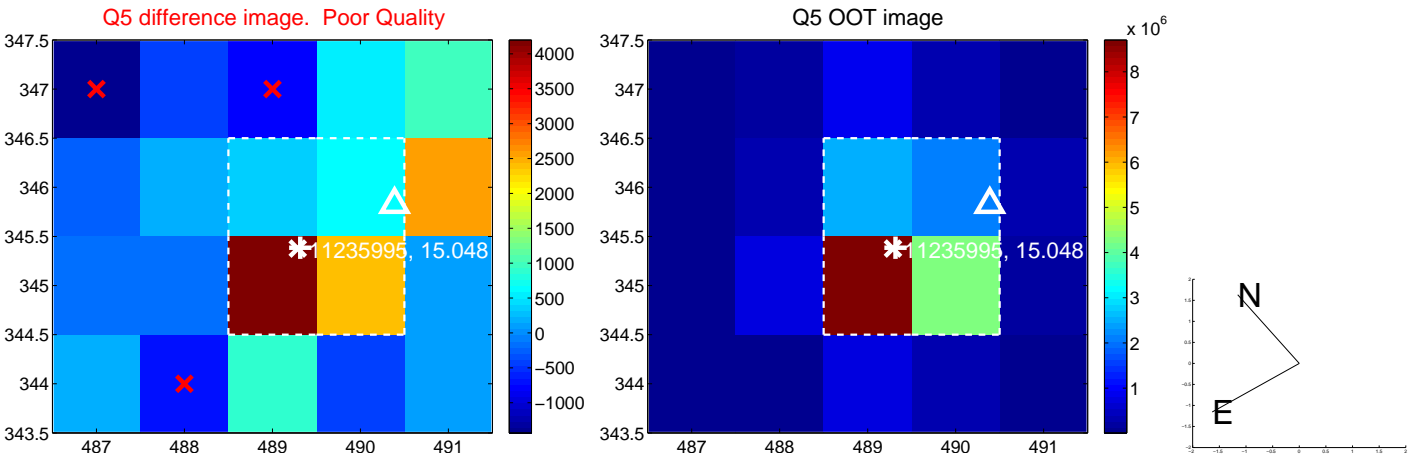


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

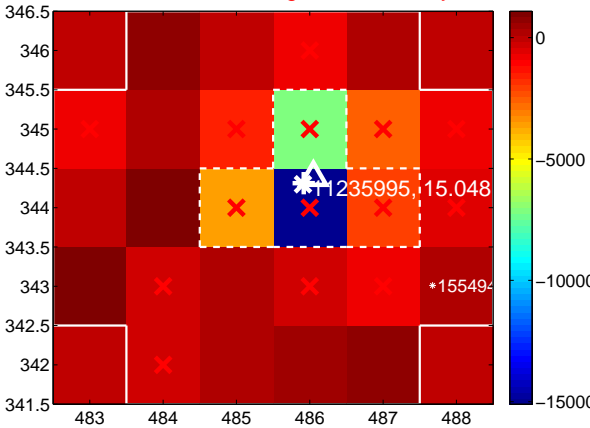
Q9 no difference image



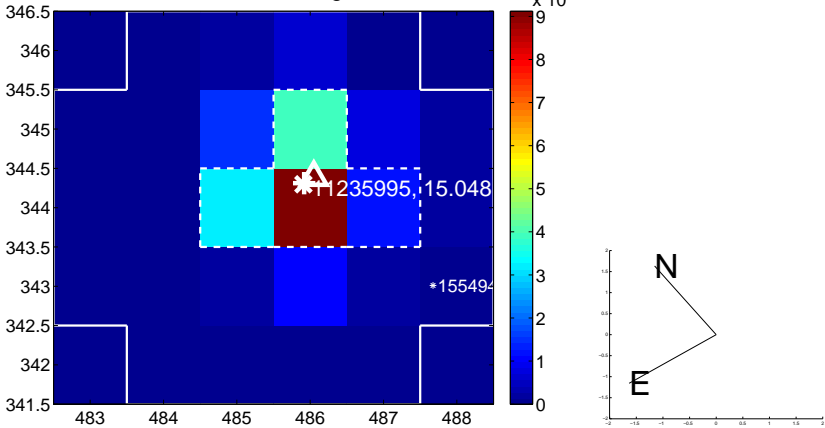
Q9 no OOT image



Q10 difference image. Poor Quality



Q10 OOT image



Q11 no difference image



Q11 no OOT image



Q12 no difference image



Q12 no OOT image

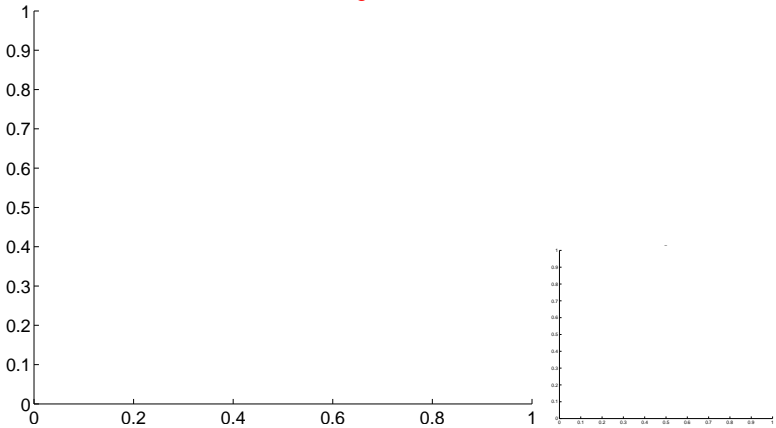


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.

Q13 no difference image



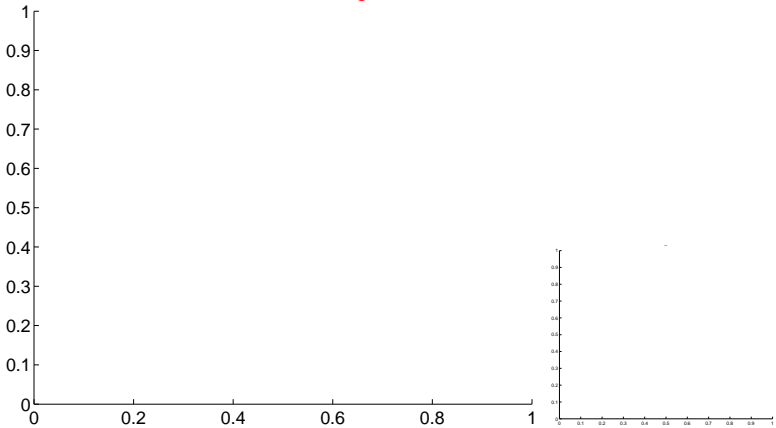
Q13 no OOT image



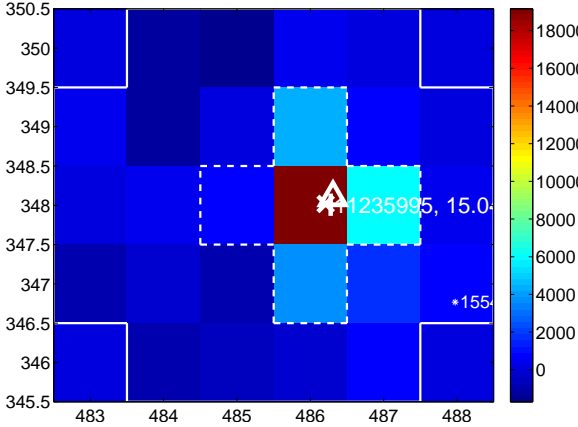
Q14 no difference image



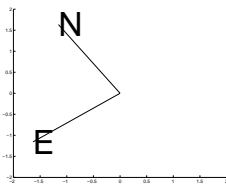
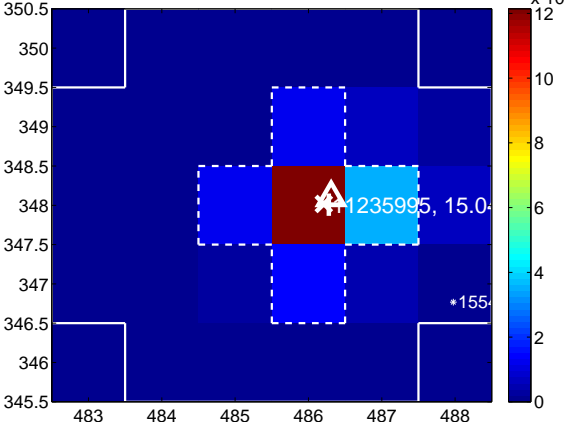
Q14 no OOT image



Q15 difference image



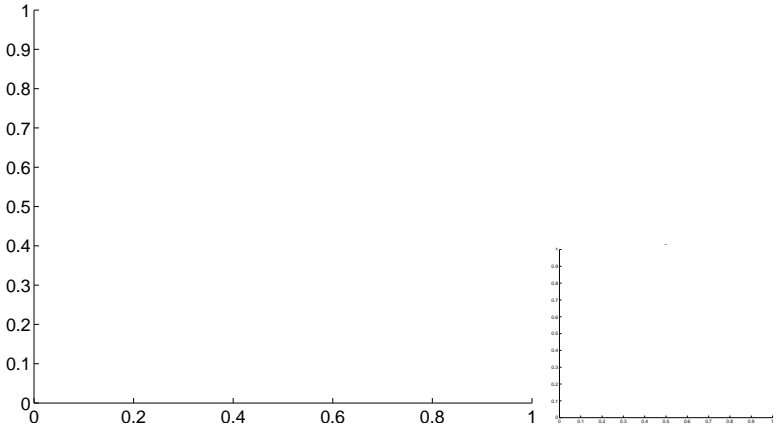
Q15 OOT image



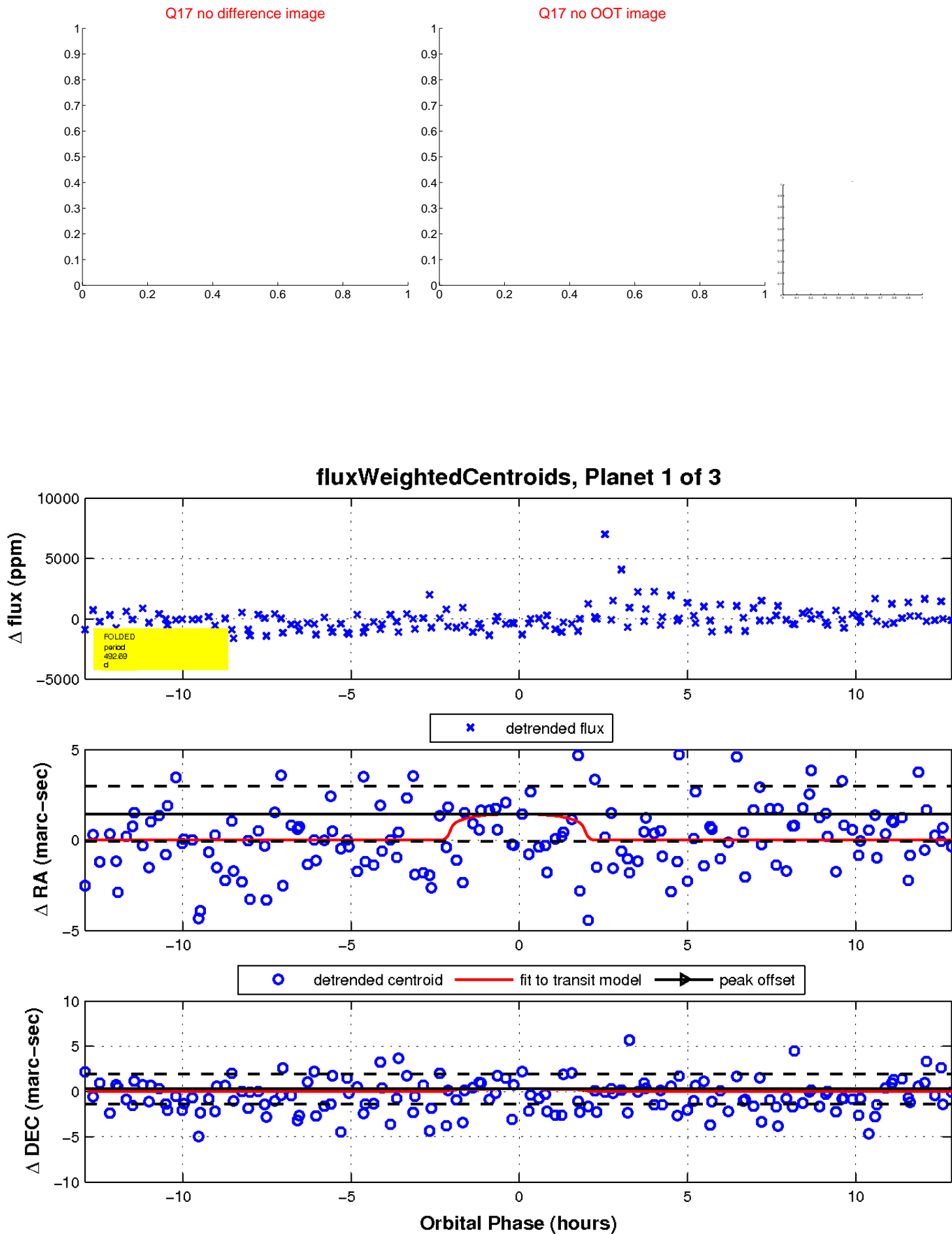
Q16 no difference image



Q16 no OOT image

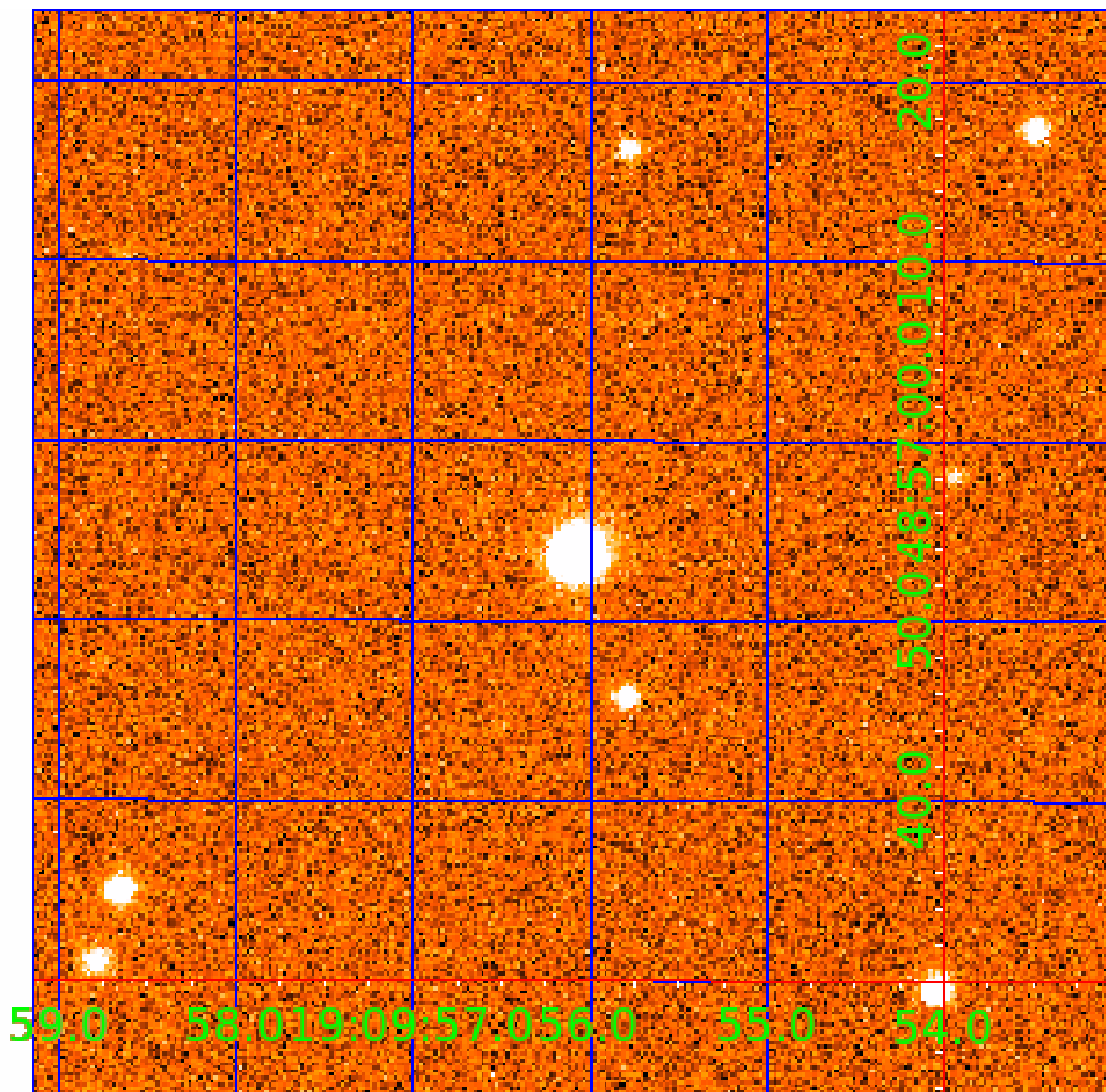


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011235995

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})
011235995-01	OBS	No	492.689583	470.887051	1322.4	4.302	11.7	7.7	0.84	5411	3.19	0.40
011235995-02	OBS	No	327.115325	201.274682	1254.2	4.842	11.1	6.3	0.84	5411	2.94	0.69
011235995-03	OBS	No	483.280939	465.034371	939.7	7.500	11.1	-1.0	0.84	5411	2.52	0.41

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011235995-01	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_POS_DV—CENT_FEW_DIFFS
011235995-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL_SKYE—LPP_DV—ALL_TRANS_CHASES—MOD_POS_DV
011235995-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_TER_ALT—MOD_POS_ALT—INCONSISTENT_TRANS—CENT_NOFITS

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

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

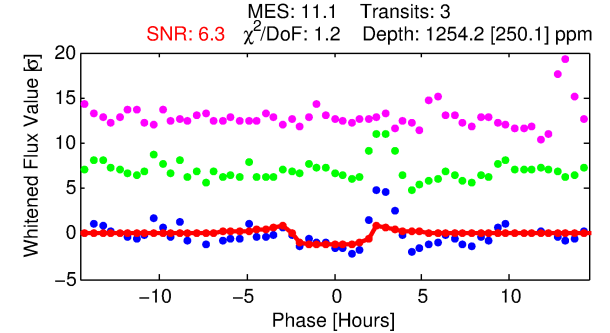
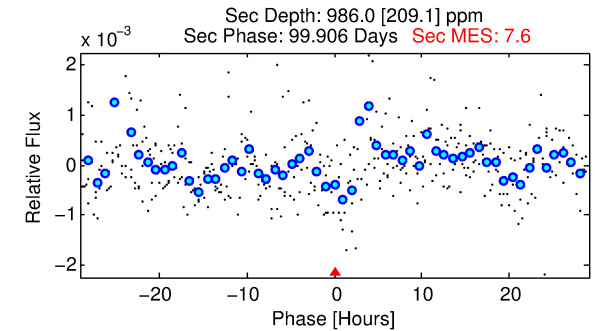
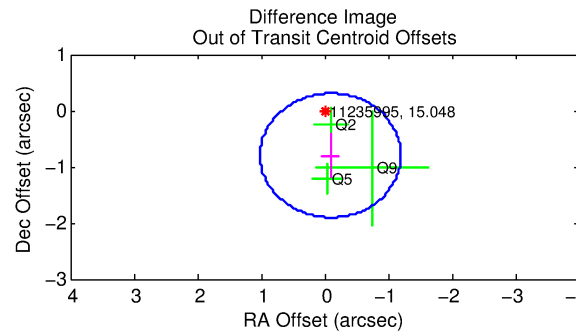
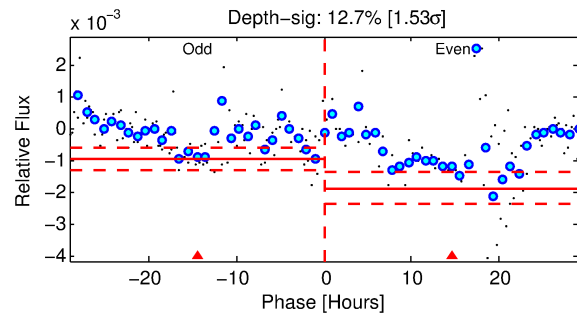
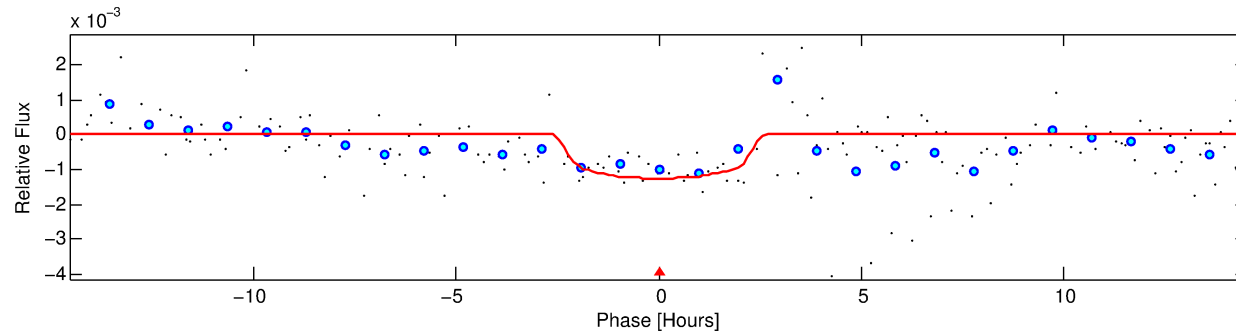
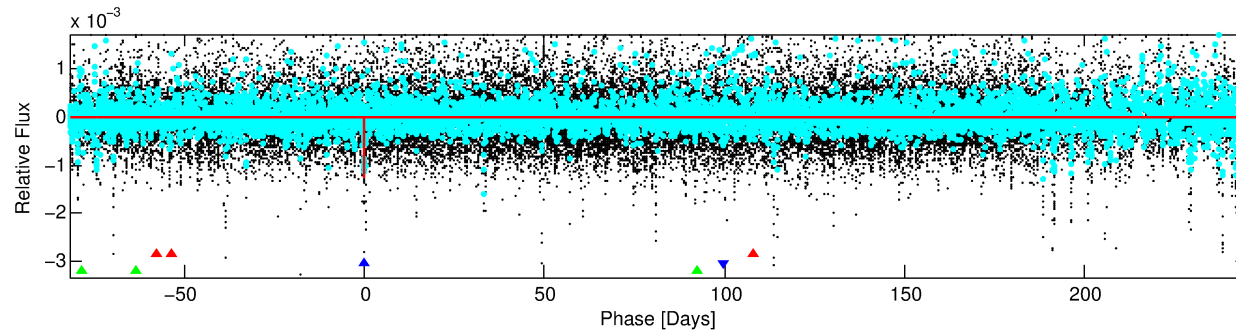
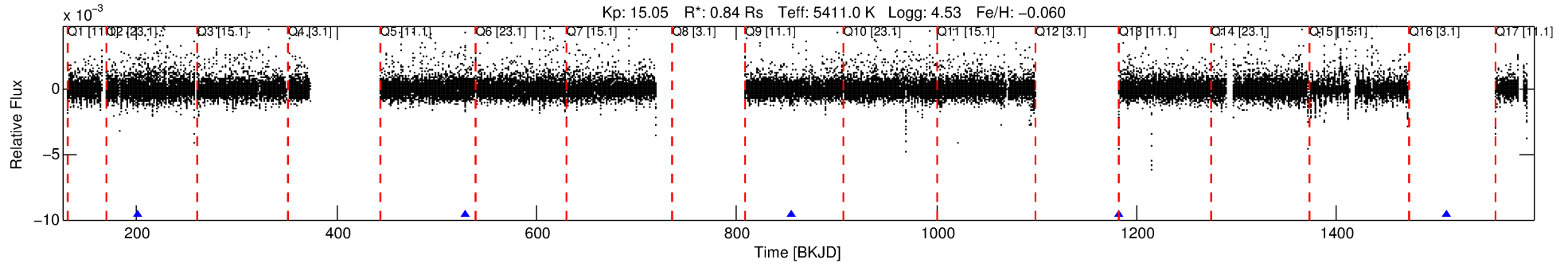
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011235995-02

No Significant Match Found

DV One-Page Summary

KIC: 11235995 Candidate: 2 of 3 Period: 327.115 d



DV Fit Results:

Period = 327.11533 [0.00750] d
Epoch = 201.2747 [0.0125] BKJD
Rp/R* = 0.0321 [0.0979]
a/R* = 512.92 [6095.34]
b = 0.28 [39.79]
Seff = 0.69 [0.18]
Teq = 232 [15] K
Rp = 2.94 [8.97] Re
a = 0.8837 [0.1396] AU
Ag = 49074.78 [299510.13] [0.16 σ]
Teffp = 5349 [8157] K [0.63 σ]

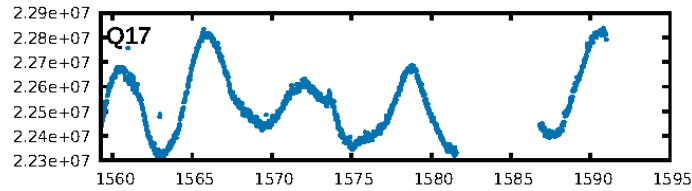
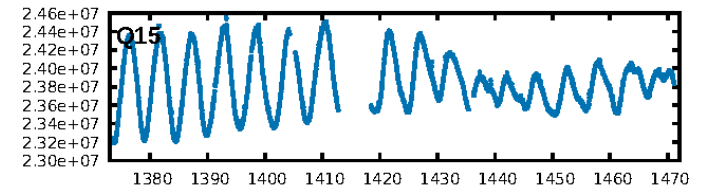
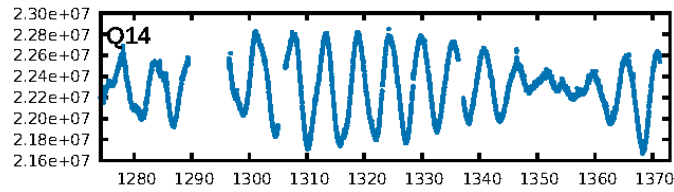
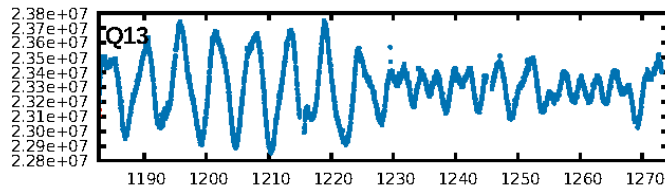
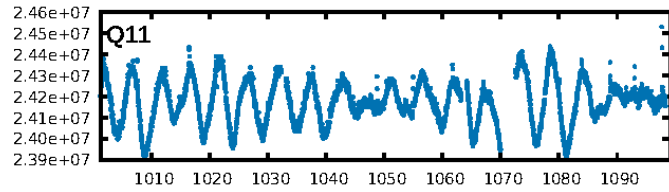
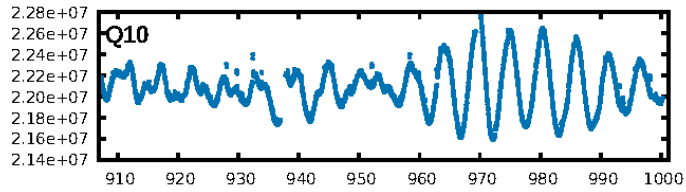
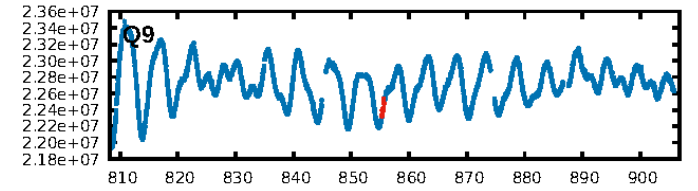
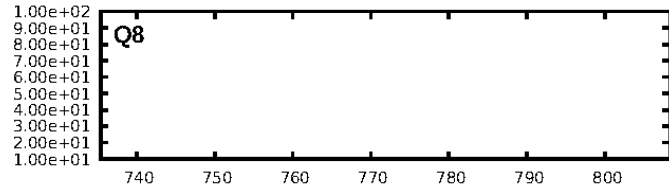
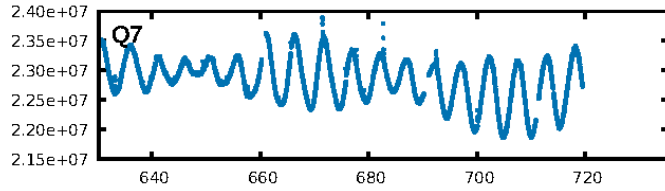
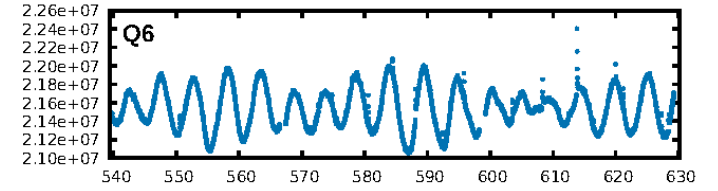
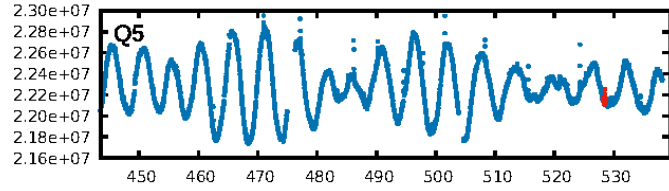
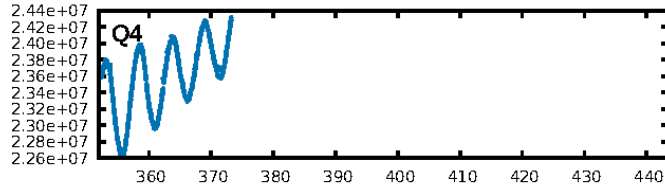
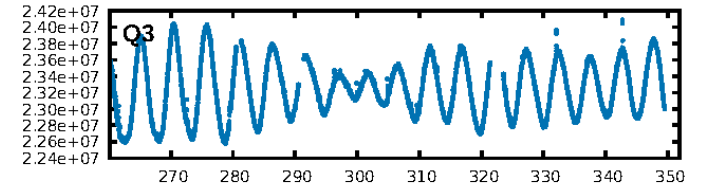
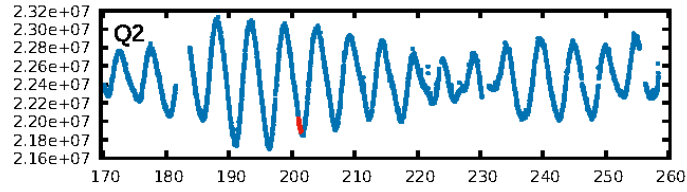
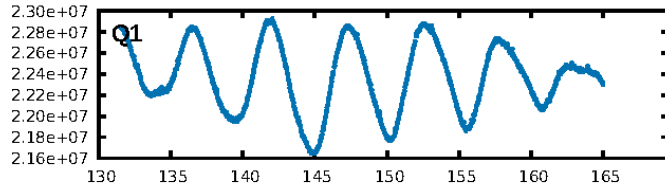
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [419.84 σ]
ModelChiSquare2-sig: 21.9%
ModelChiSquareGof-sig: 96.9%
Bootstrap-pfa: 4.83e-09
RollingBand-fgt: 1.00 [3/3]
GhostDiagnostic-chr: -5.371
Centroid-sig: 16.5%
Centroid-so: 1.383 arcsec [1.51 σ]
OotOffset-rm: 0.806 arcsec [2.19 σ]
OotOffset-st: 1/0/0/2 [3]
KicOffset-rm: 0.827 arcsec [2.16 σ]
KicOffset-st: 1/0/0/2 [3]
DiffImageQuality-fgm: 1.00 [3/3]
DiffImageOverlap-fno: 1.00 [3/3]

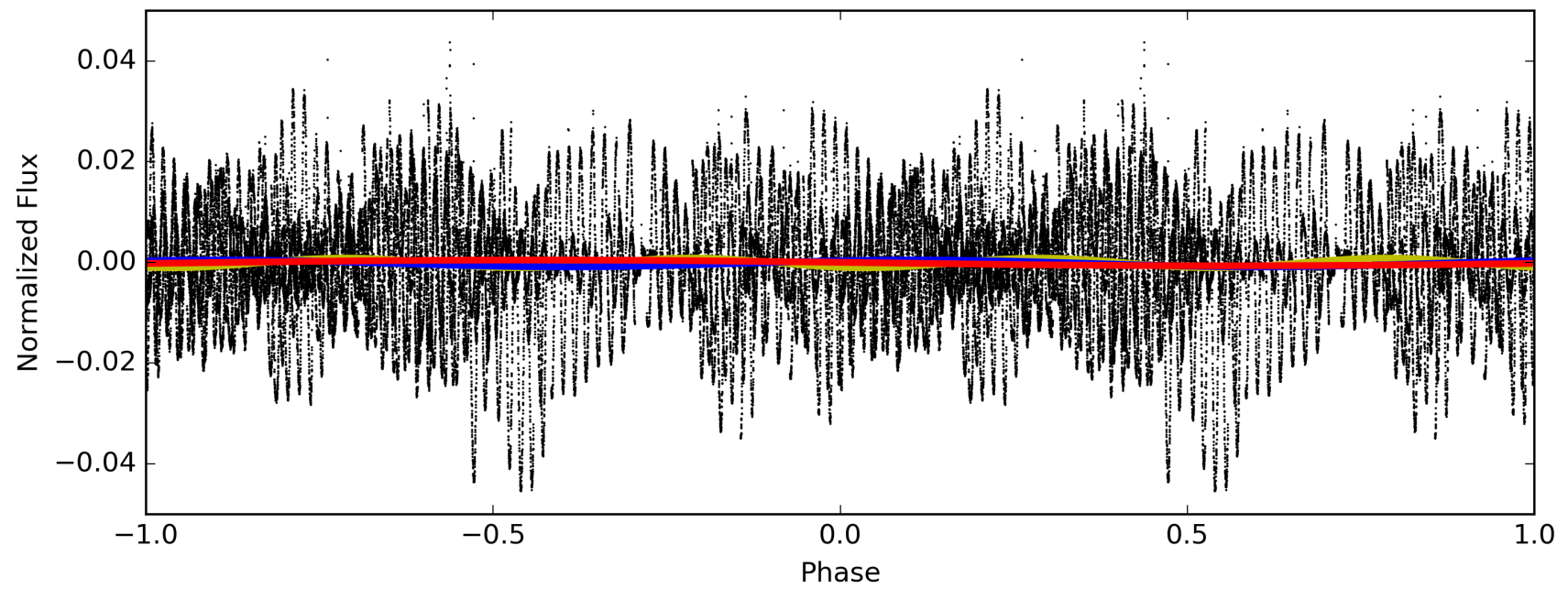
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 29-Jan-2016 12:40:18 Z

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

TCE 011235995-02, PDC Light Curves

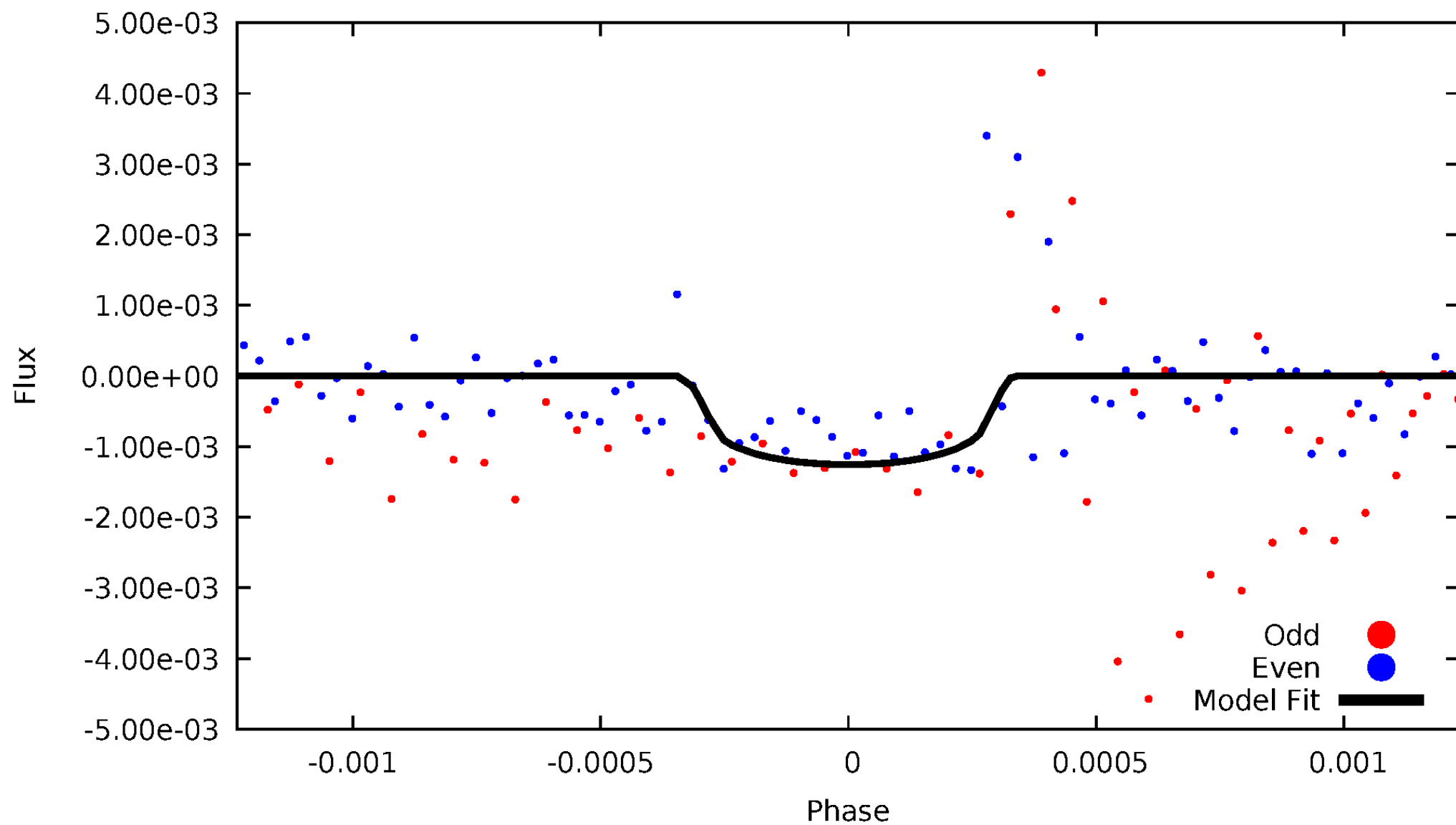


— P = 163.558 days — P = 327.115 days — P = 654.231 days



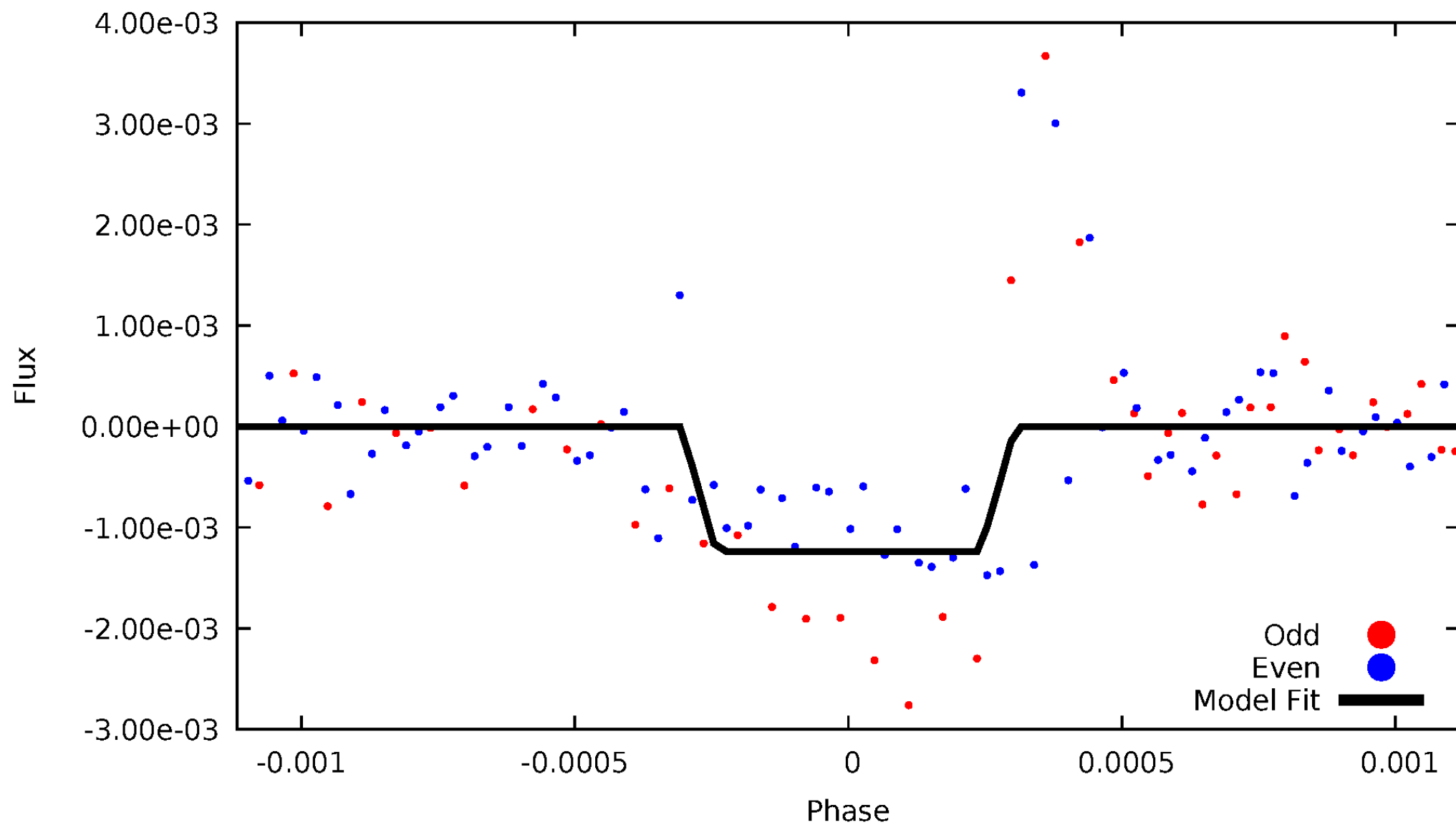
DV Odd/Even

TCE 011235995-02



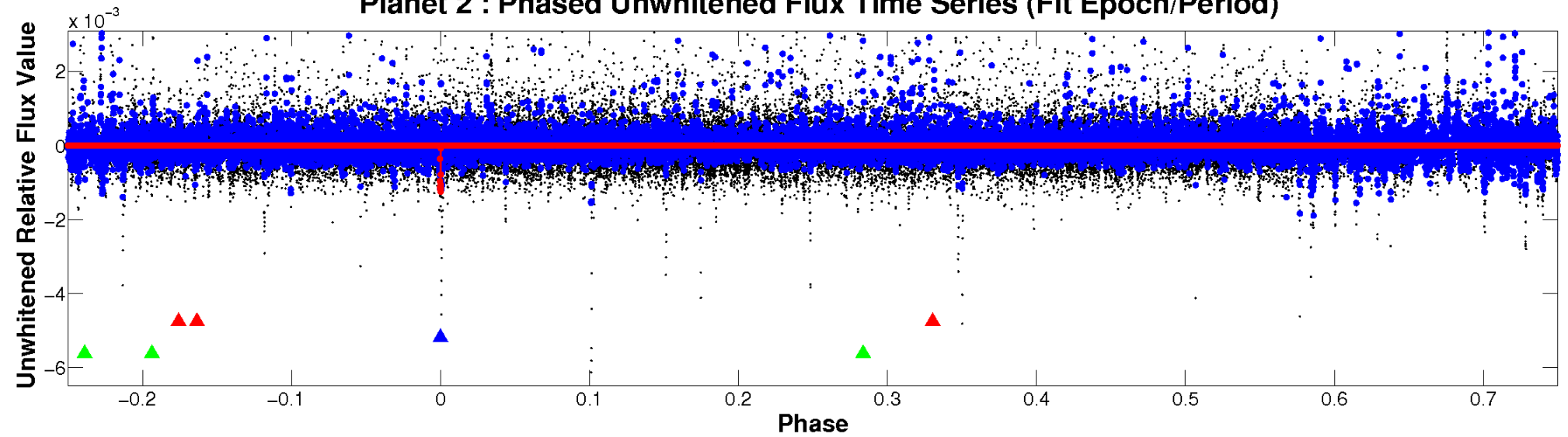
ALT Odd/Even

TCE 011235995-02

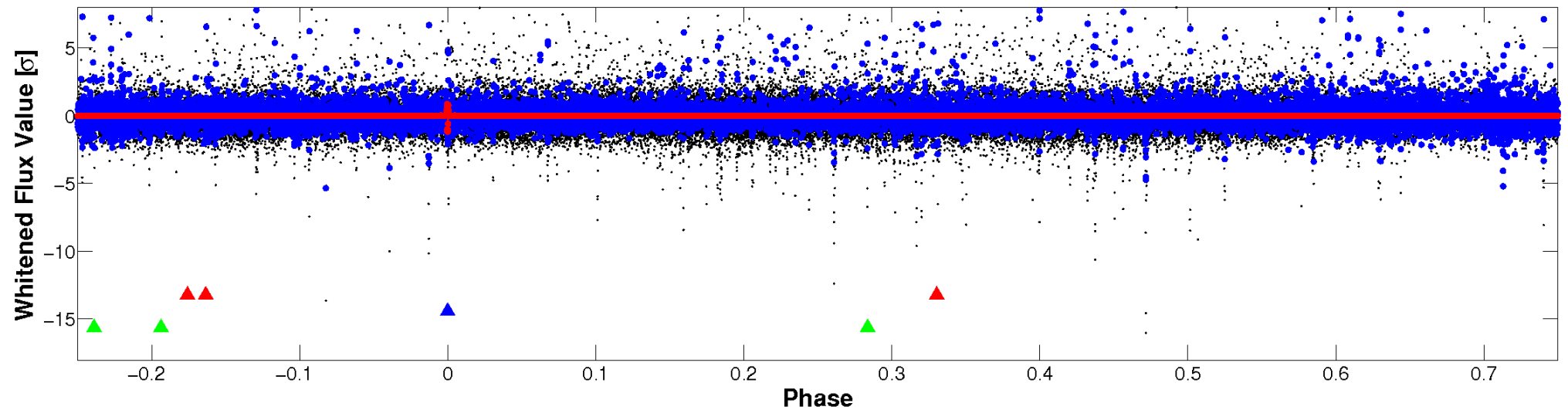


Non-Whitened Vs. Whitened Light Curve

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

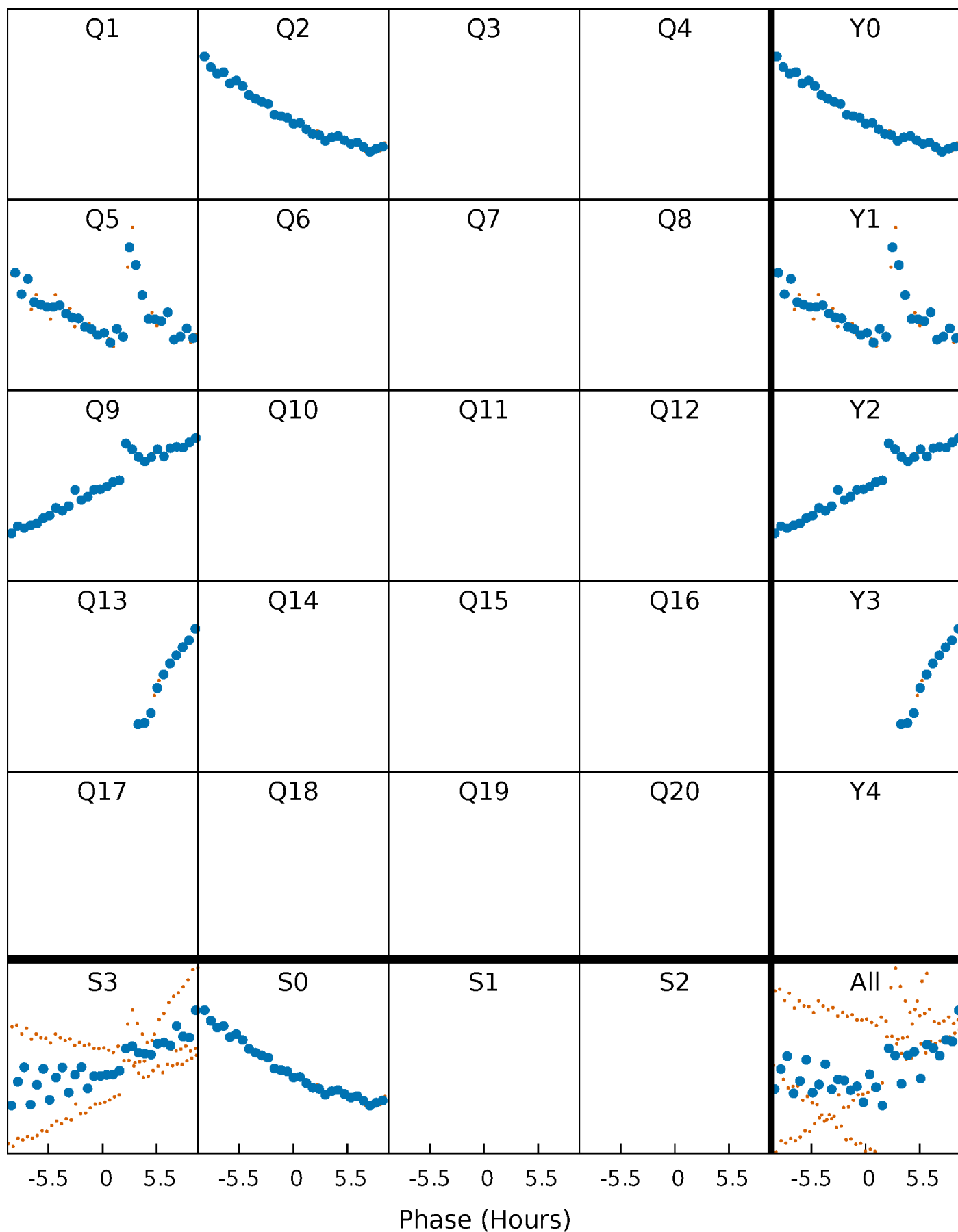


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



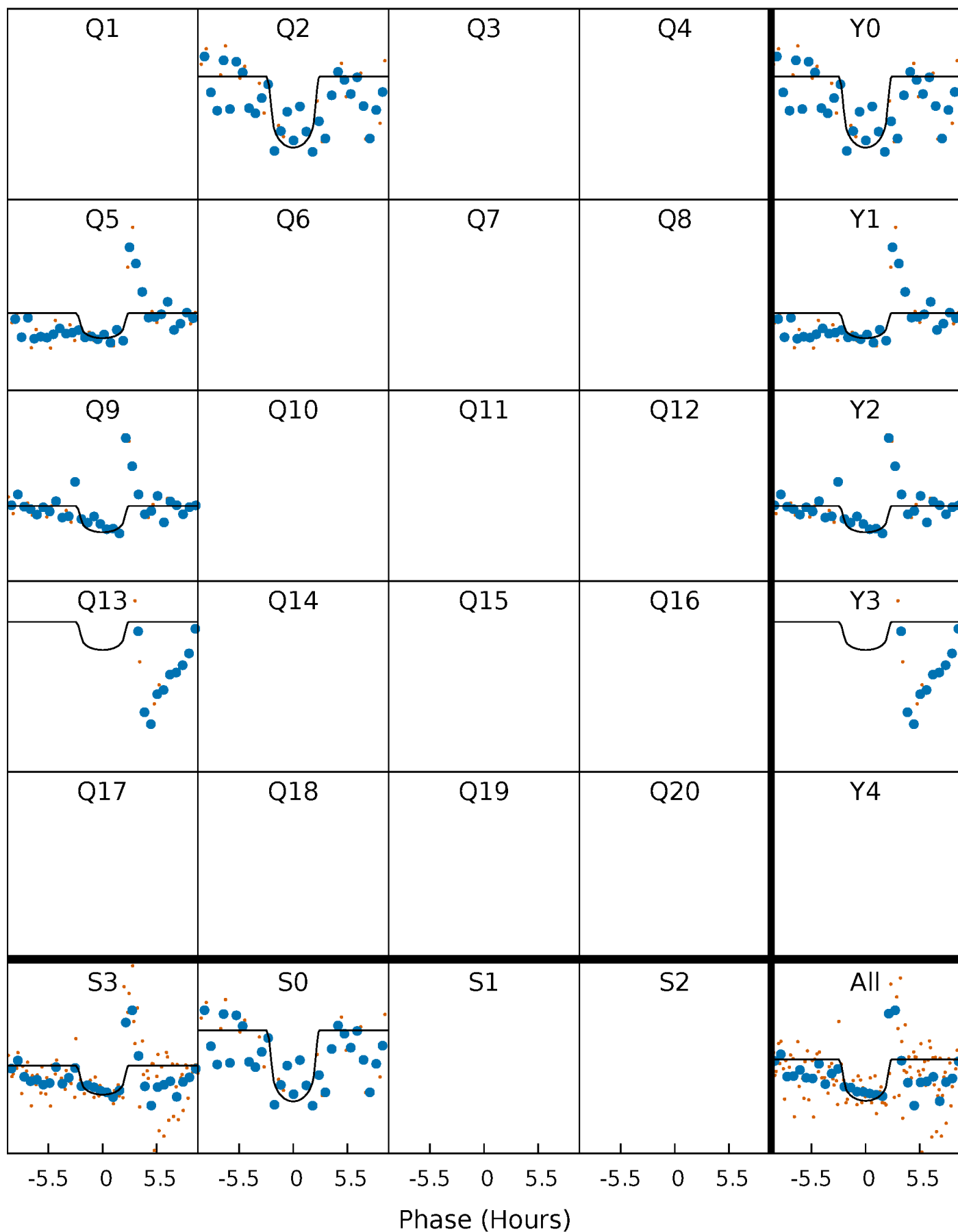
PDC Quarter-Phased Transit Curves

TCE 011235995-02 $P=327.115325$ Days $T_0=201.274682$ (BKJD)



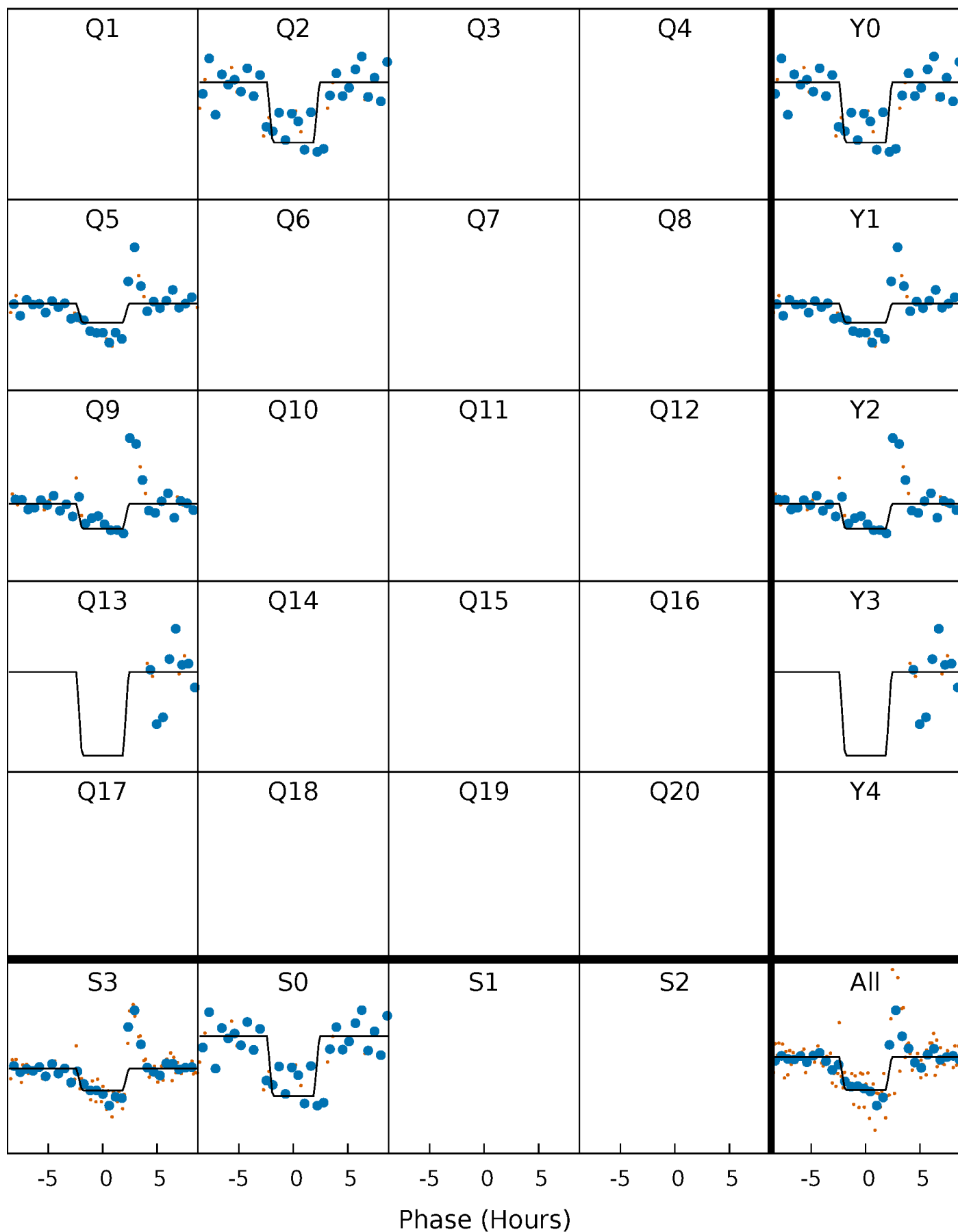
DV Quarter-Phased Transit Curves

TCE 011235995-02 $P=327.115325$ Days $T_0=201.274682$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

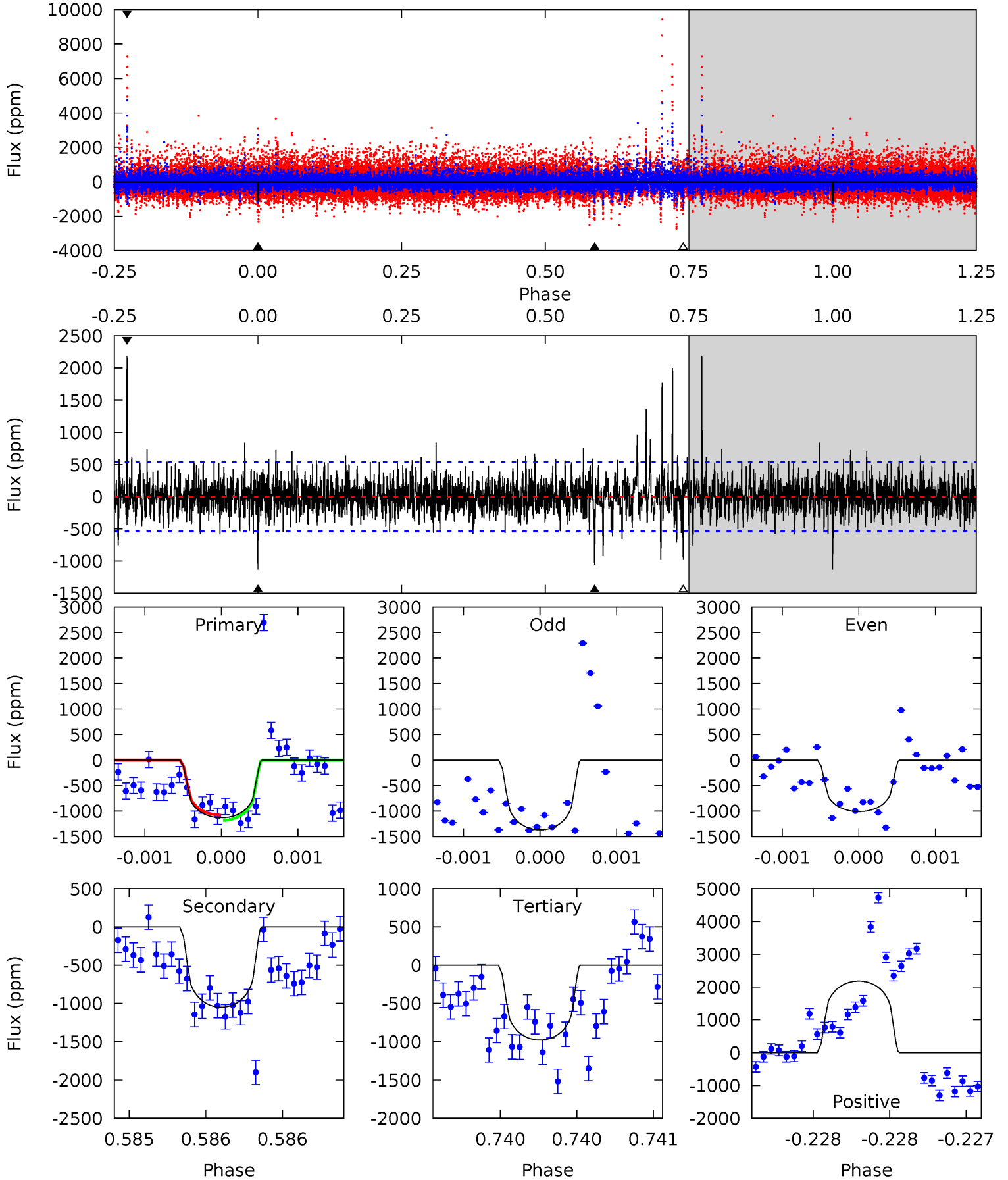
TCE 011235995-02 P=327.093617 Days $T_0=201.306016$ (BKJD)



DV Model-Shift Uniqueness Test

011235995-02, P = 327.115325 Days, E = 201.274682 Days

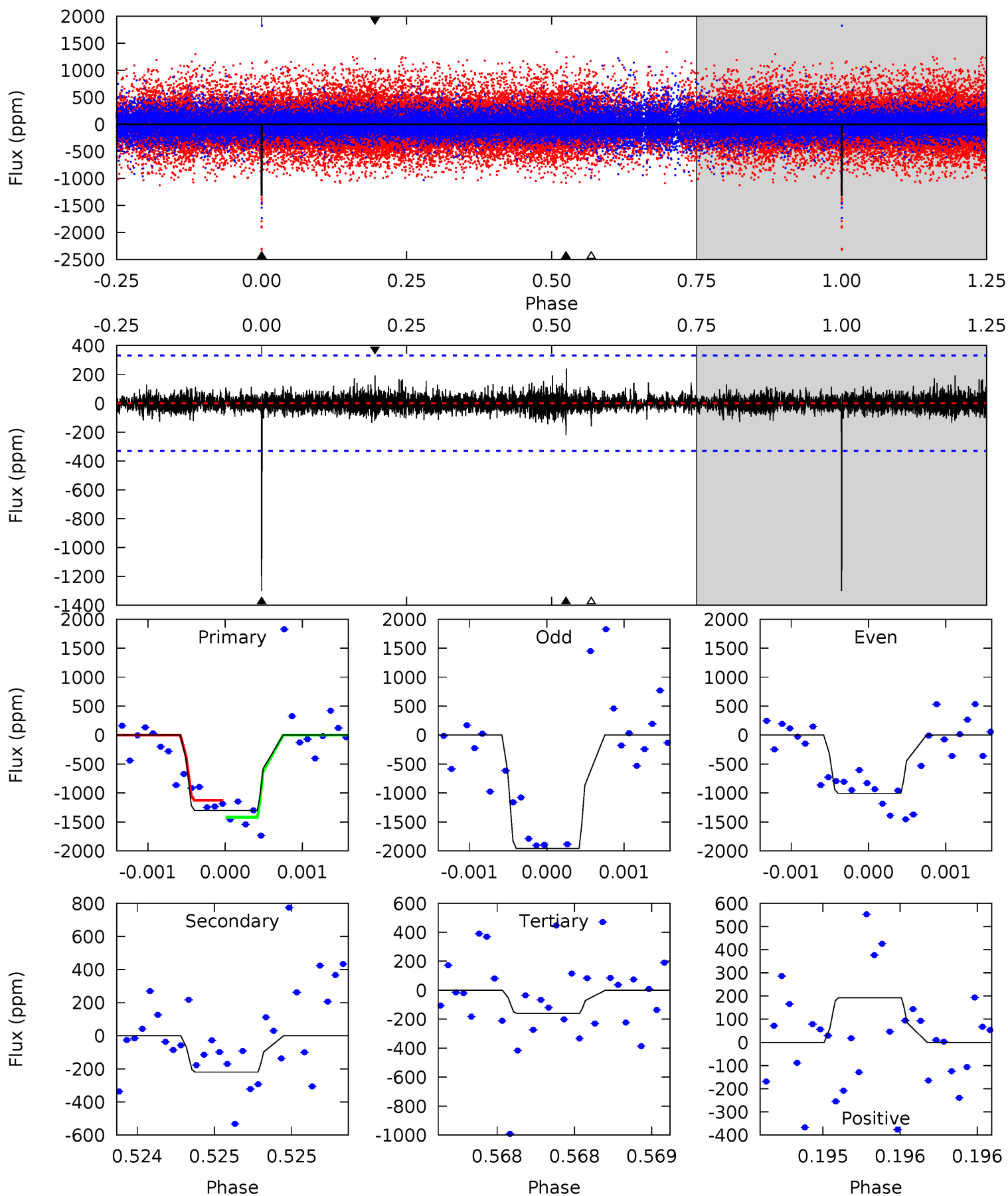
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.6	10.8	10.1	22.4	5.53	3.41	2.12	1.56	-10.8	0.74	-11.6	1.56	1.04	0.66	0.53



Alt Model-Shift Uniqueness Test

011235995-02, P = 327.093617 Days, E = 201.306016 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.9	3.69	2.69	3.23	5.55	3.45	0.60	19.2	18.6	1.00	0.45	7.60	1.26	0.16	2.40



Stellar Parameters For KIC 011235995

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	5411^{+160}_{-144}	$4.526^{+0.054}_{-0.126}$	$-0.060^{+0.300}_{-0.300}$	$0.838^{+0.157}_{-0.085}$	$0.861^{+0.090}_{-0.081}$	$2.059^{+0.569}_{-0.753}$
	+3%/-3%	+1%/-3%	+500%/-500%	+19%/-10%	+10%/-9%	+28%/-37%
Source	PHO1	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 011235995-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-1050 ± 97	$7.38^{+7.47}_{-4.83}$	330^{+17}_{-13}	3817^{+1992}_{-746}	8236^{+58281}_{-6252}
Alt.	-220 ± 60	$7.38^{+7.38}_{-4.89}$	330^{+15}_{-14}	3005^{+1270}_{-514}	1645^{+13198}_{-1241}

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 $A_{obs} \gg 1.0$

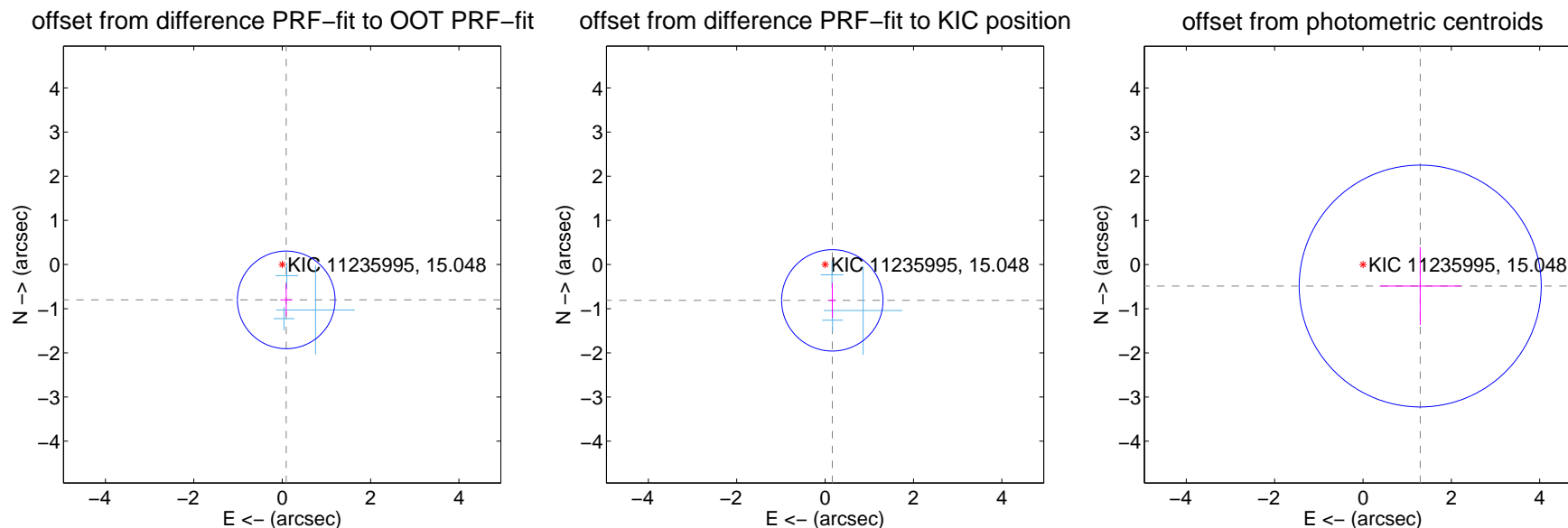
DV Centroid Data

Supplemental centroid analysis for 011235995-02. Kepler magnitude: 15.05. Transit SNR 6.29

There are 3 quarters with good PRF difference image offsets

The direct PRF centroid is offset from the target star catalog position by about 0.11 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.806 ± 0.368	2.19	-0.091 ± 0.131	-0.800 ± 0.371
PRF-fit source offset from KIC position	0.827 ± 0.383	2.16	-0.163 ± 0.082	-0.811 ± 0.390
photometric centroid source offset	1.38 ± 0.91	1.51	-1.30 ± 0.92	-0.49 ± 0.88



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.

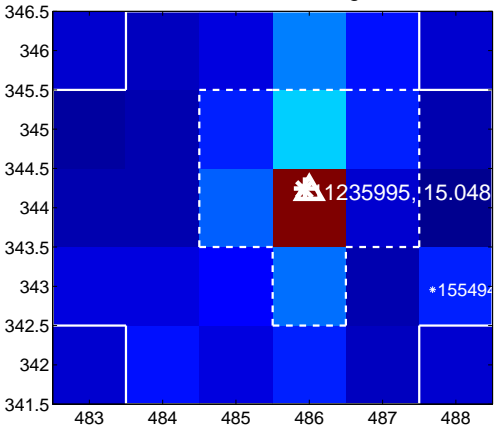
Q1 no difference image



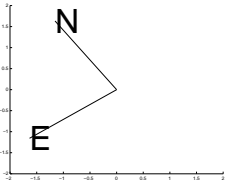
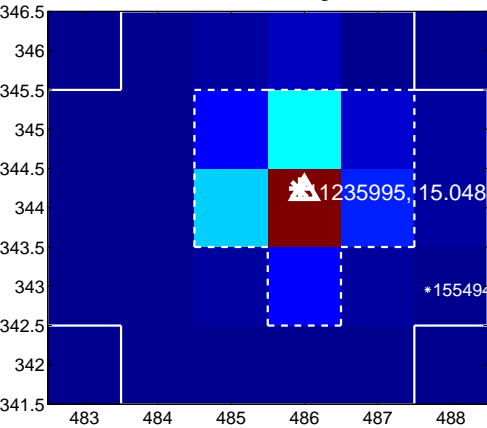
Q1 no OOT image



Q2 difference image



Q2 OOT image



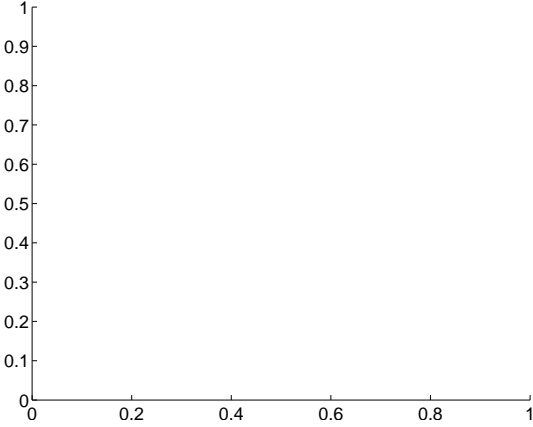
Q3 no difference image



Q3 no OOT image



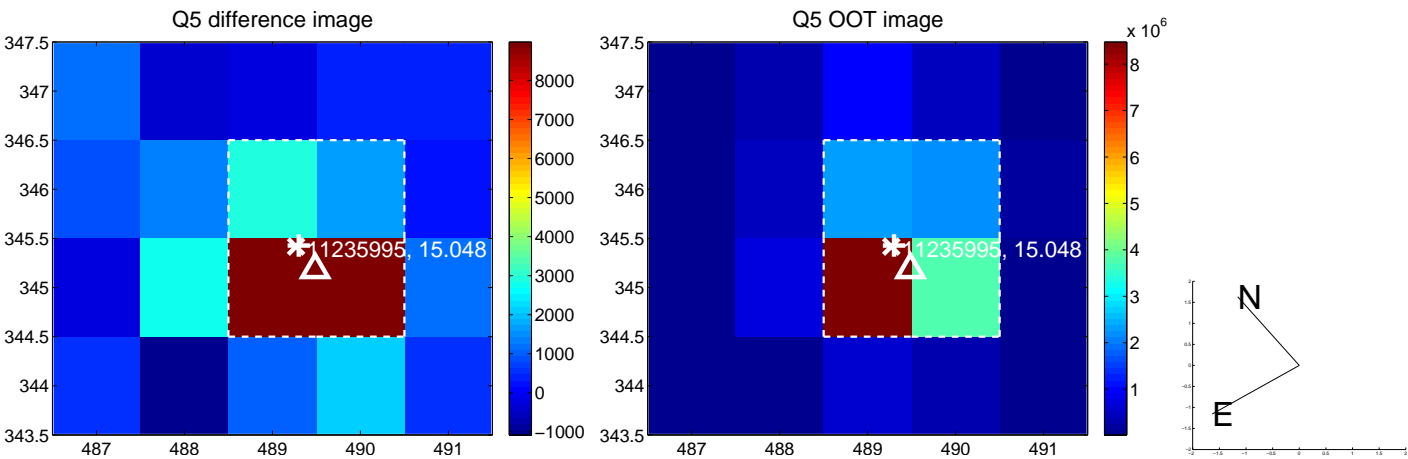
Q4 no difference image



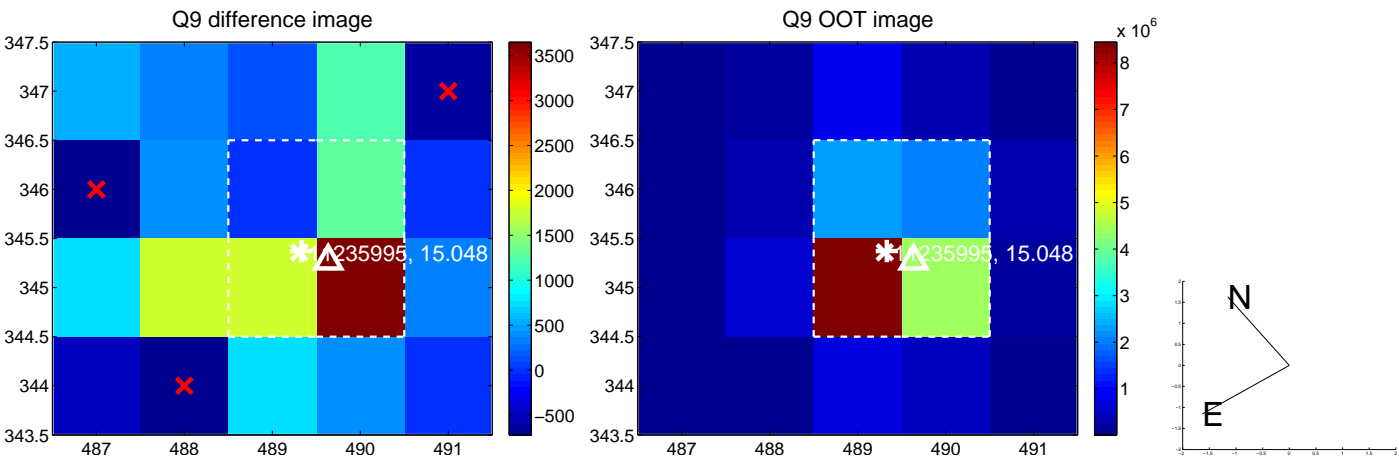
Q4 no OOT image



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



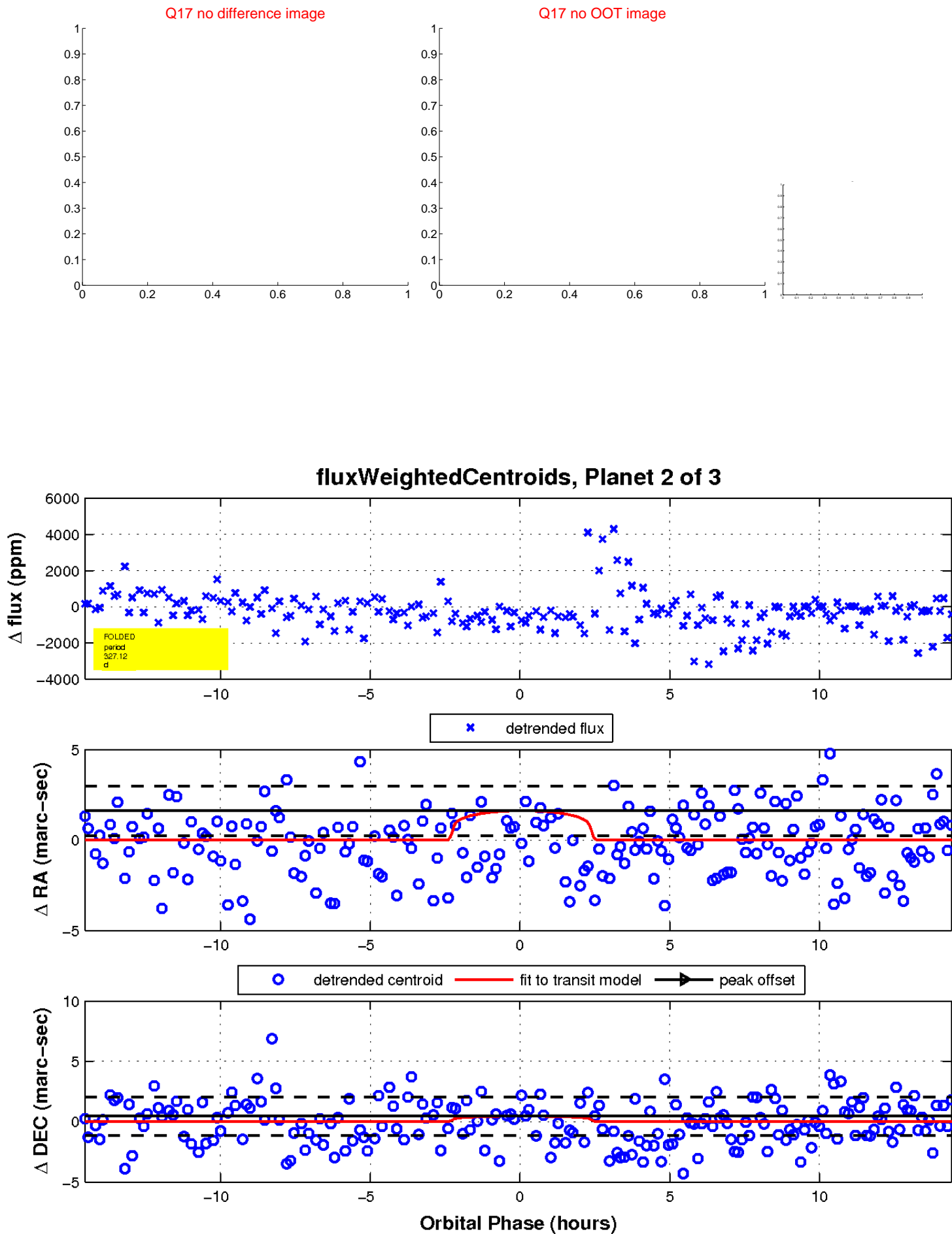
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.



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

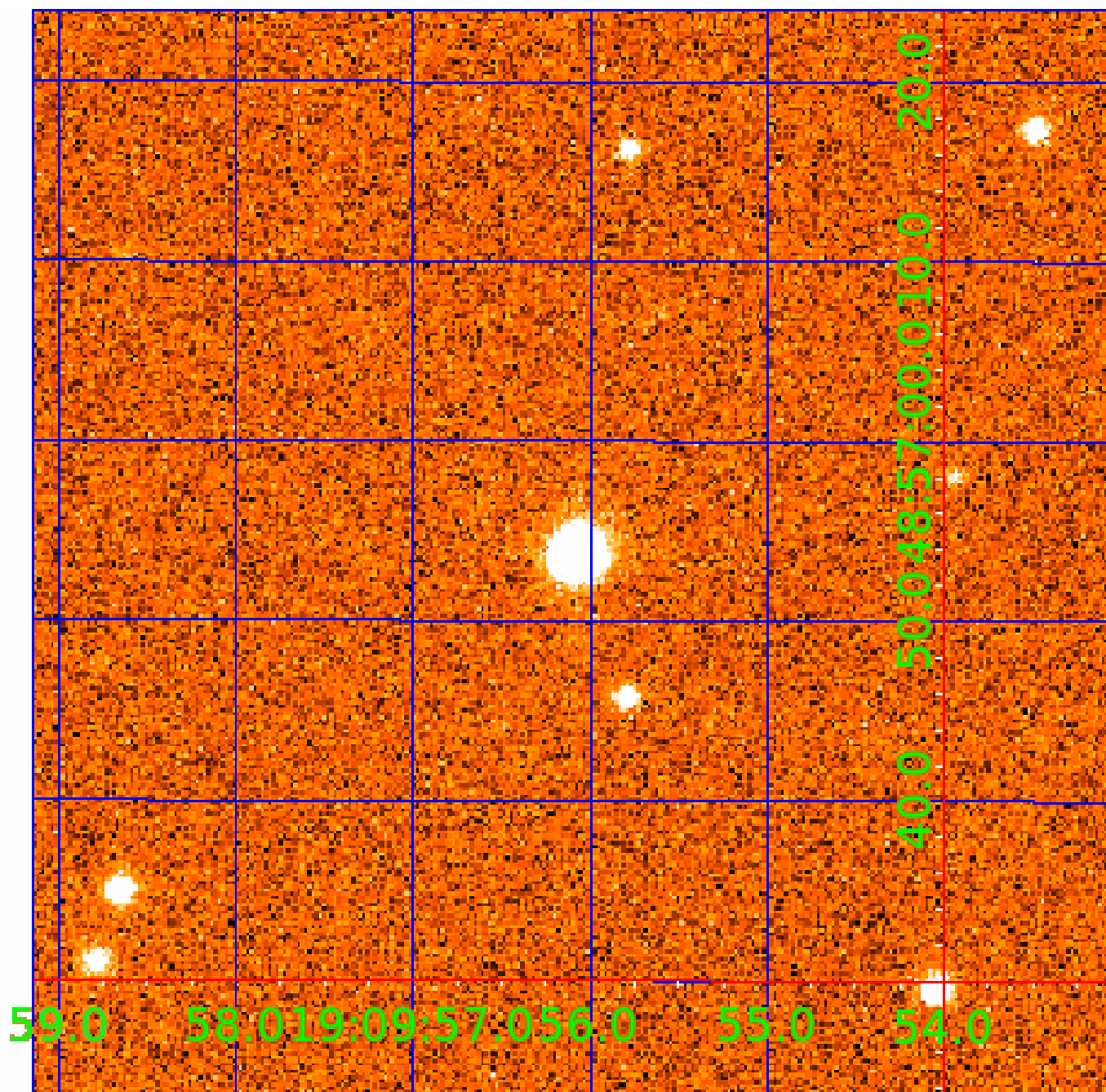


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011235995

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})
011235995-01	OBS	No	492.689583	470.887051	1322.4	4.302	11.7	7.7	0.84	5411	3.19	0.40
011235995-02	OBS	No	327.115325	201.274682	1254.2	4.842	11.1	6.3	0.84	5411	2.94	0.69
011235995-03	OBS	No	483.280939	465.034371	939.7	7.500	11.1	-1.0	0.84	5411	2.52	0.41

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011235995-01	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—MOD_TER_DV—MOD_POS_DV—CENT_FEW_DIFFS
011235995-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL_SKYE—LPP_DV—ALL_TRANS_CHASES—MOD_POS_DV
011235995-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_CHASES_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_TER_ALT—MOD_POS_ALT—INCONSISTENT_TRANS—CENT_NOFITS

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

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

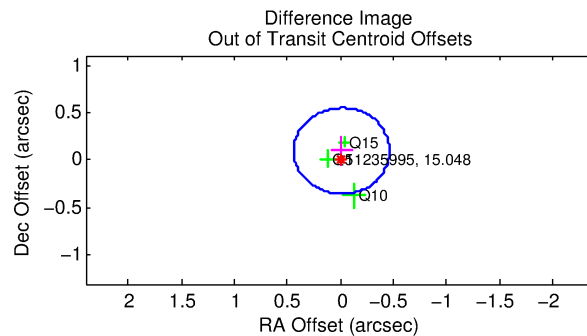
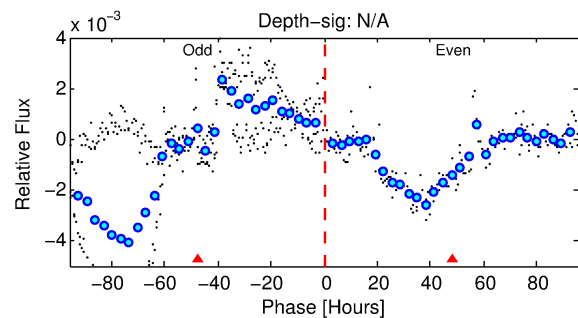
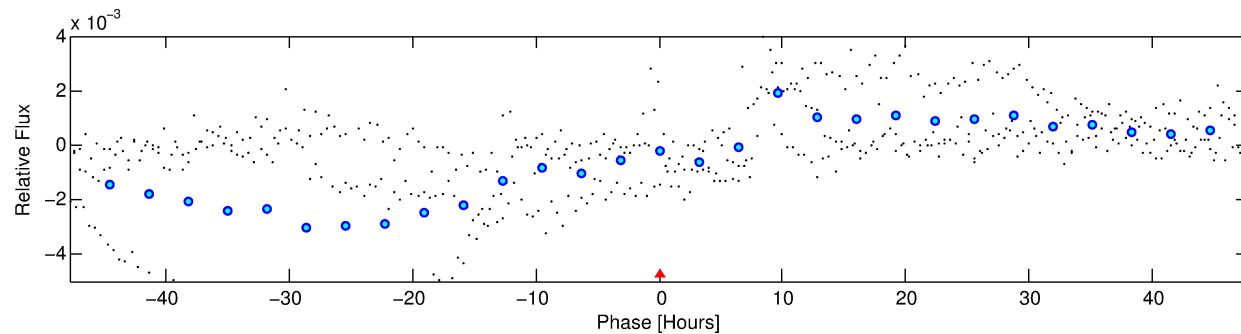
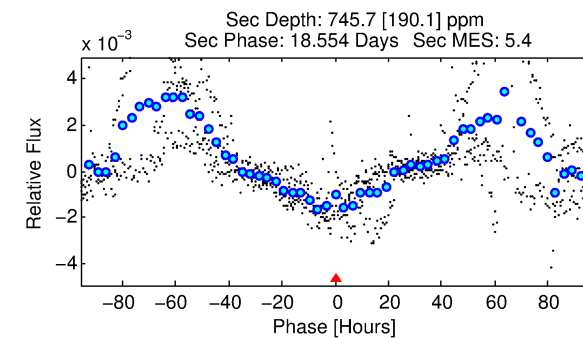
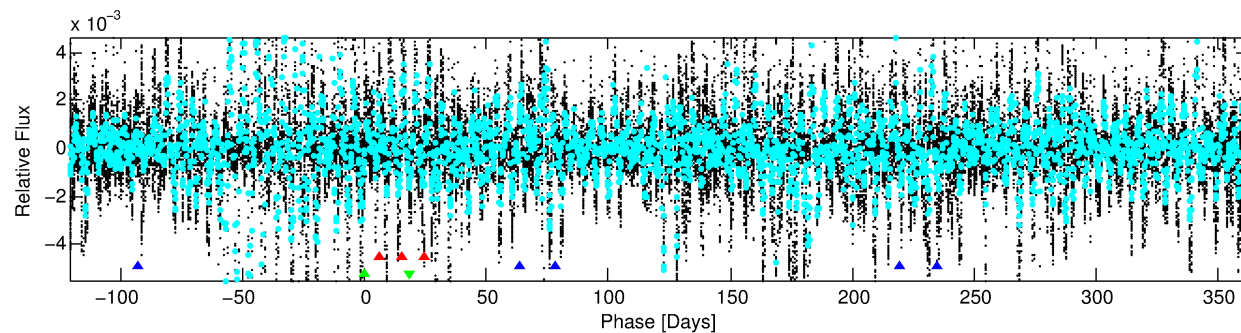
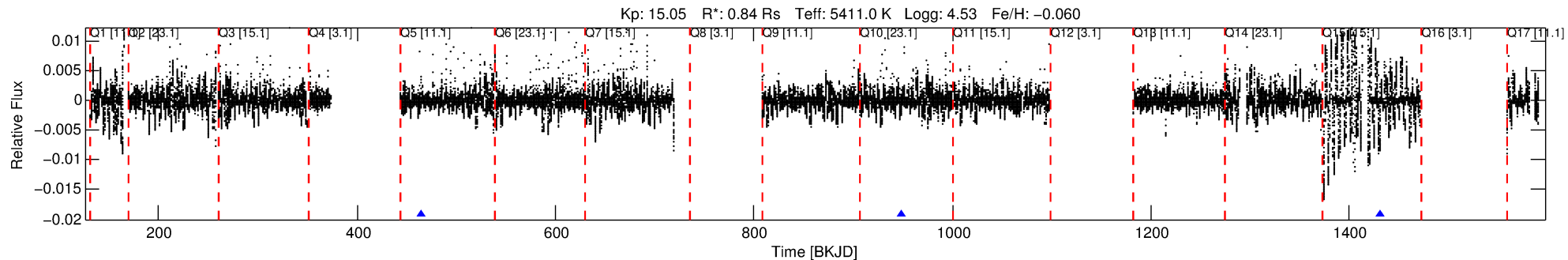
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011235995-03

No Significant Match Found

DV One-Page Summary

KIC: 11235995 Candidate: 3 of 3 Period: 483.281 d



TPS TCE Results:

Period = 483.28094 d
Epoch = 465.0344 BKJD

DV fit results are unavailable

DV Diagnostic Results:

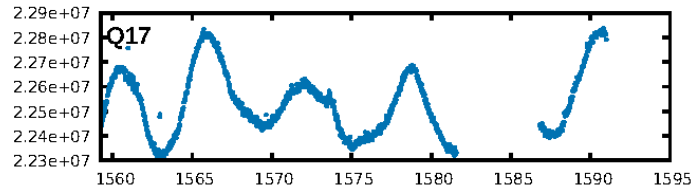
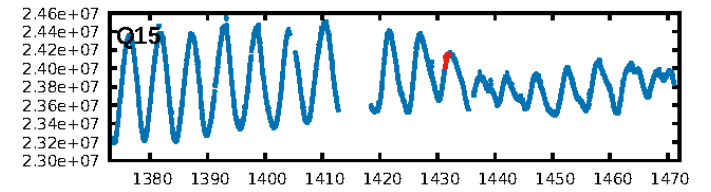
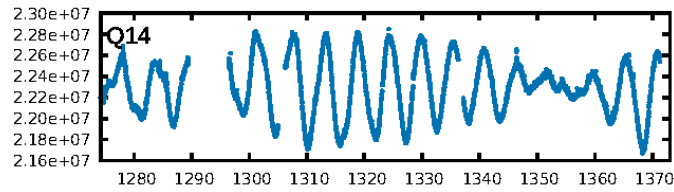
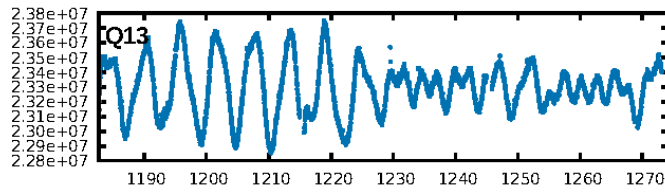
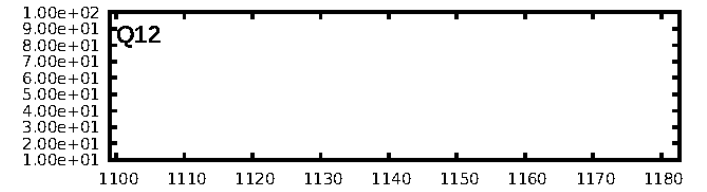
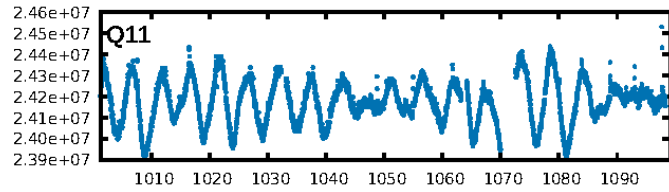
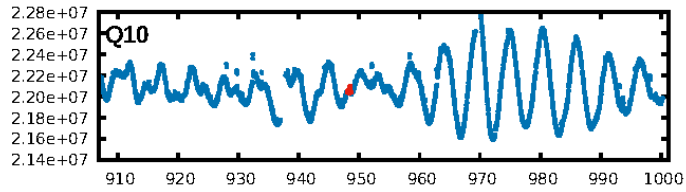
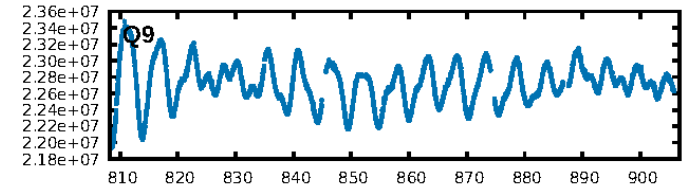
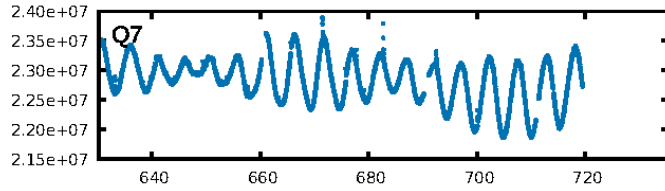
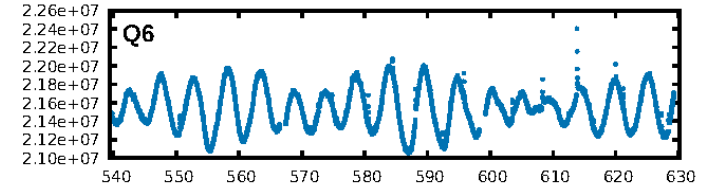
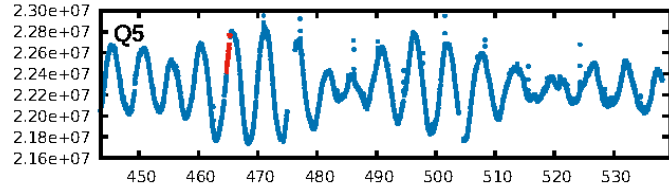
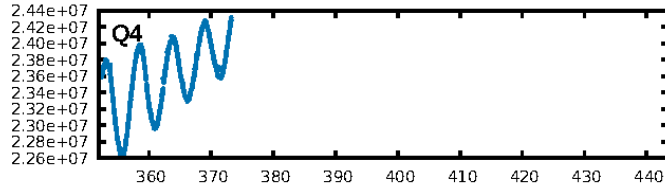
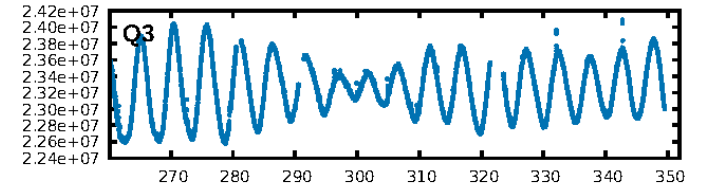
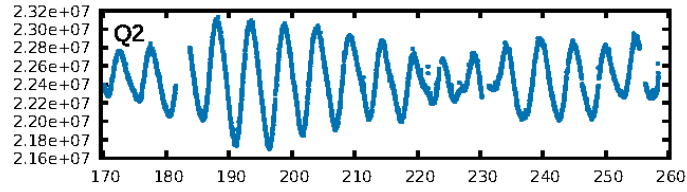
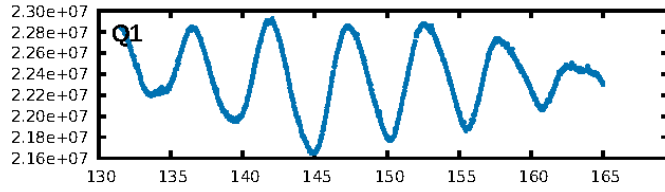
ShortPeriod-sig: 100.0% [419.84σ]
LongPeriod-sig: 100.0% [26.12σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.62e-08
RollingBand-fgt: 1.00 [3/3]
GhostDiagnostic-chr: 0.3452

Centroid-sig: 8.0%
Centroid-so: 4.648 arcsec [1.10σ]
OotOffset-rm: 0.099 arcsec [0.65σ]
KicOffset-rm: 0.164 arcsec [1.63σ]
OotOffset-st: 1/1/0/1 [3]
KicOffset-st: 1/1/0/1 [3]
DiffImageQuality-fgm: 0.00 [0/3]
DiffImageOverlap-fno: 1.00 [3/3]

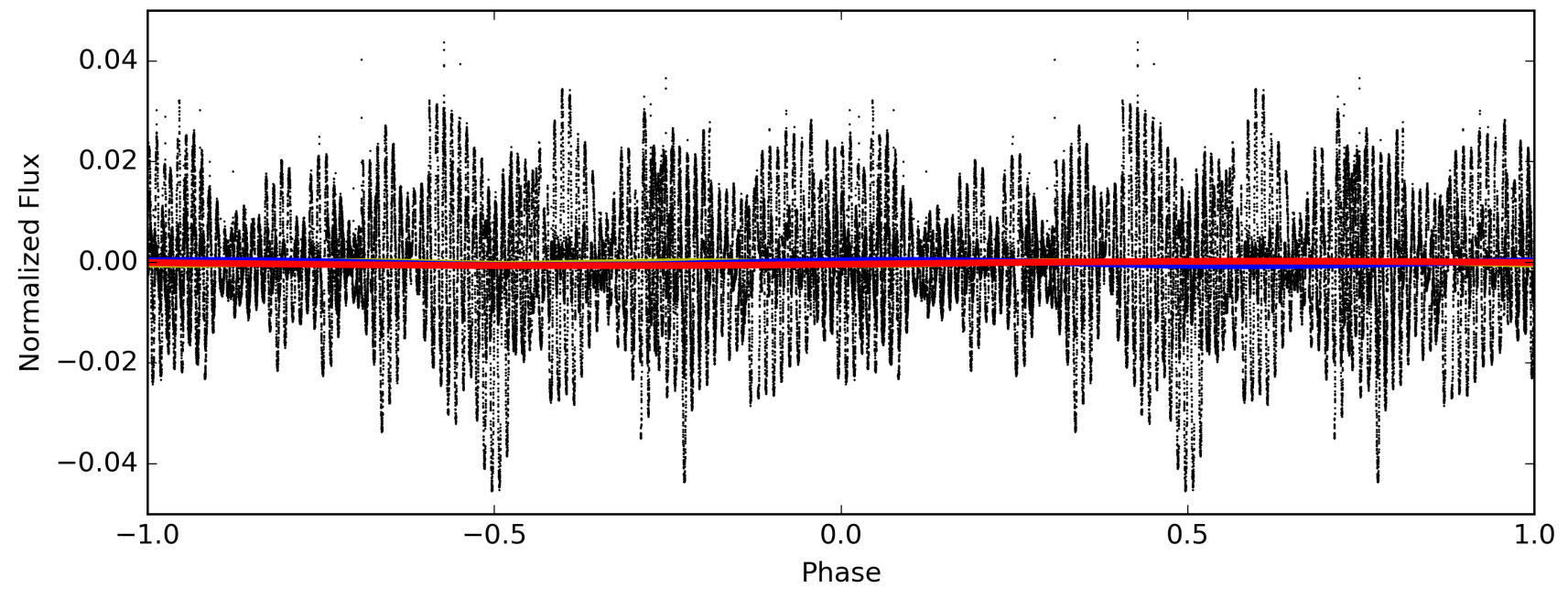
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 29-Jan-2016 12:40:26 Z

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

TCE 011235995-03, PDC Light Curves

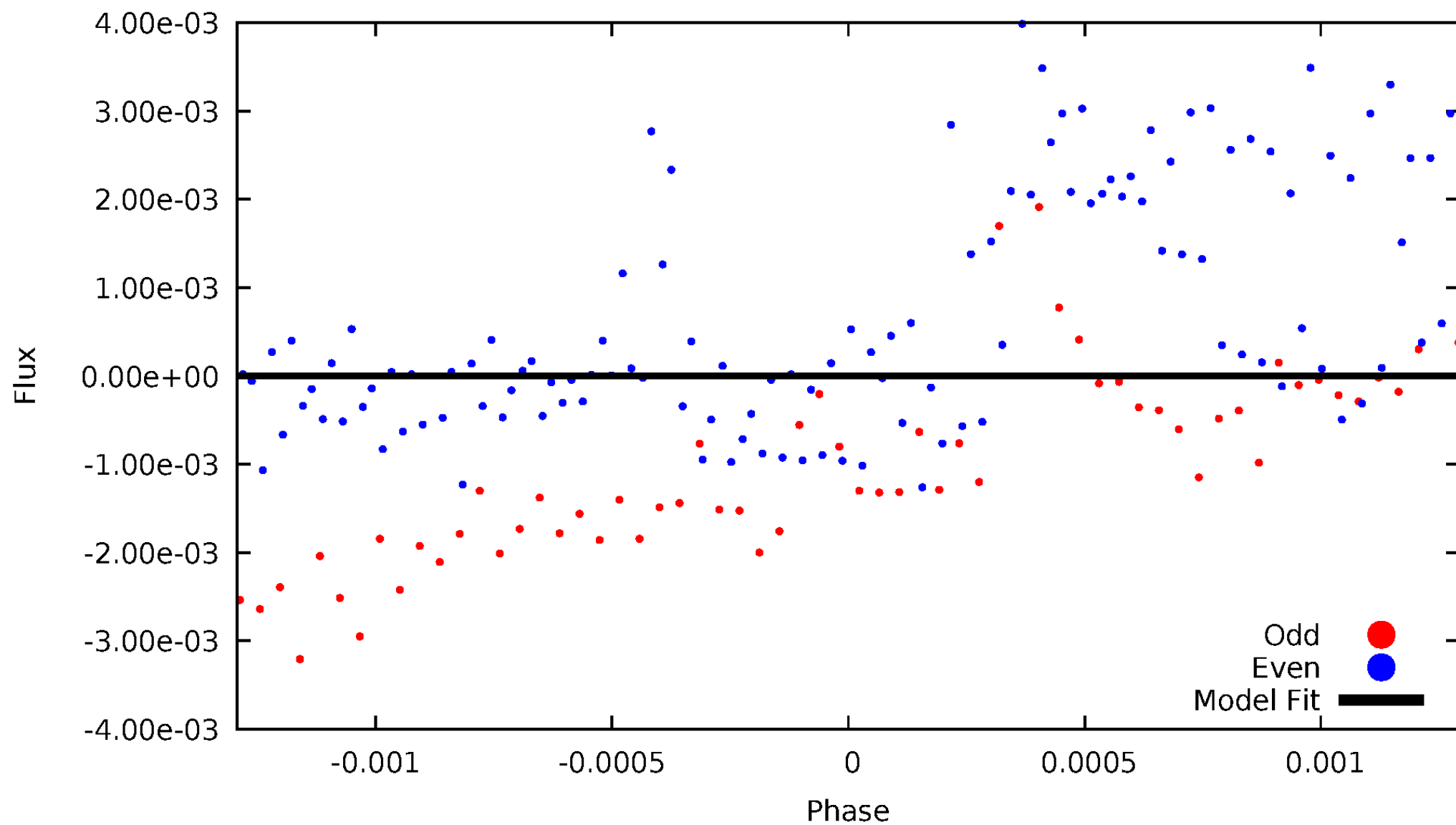


— P = 241.640 days — P = 483.281 days — P = 966.562 days



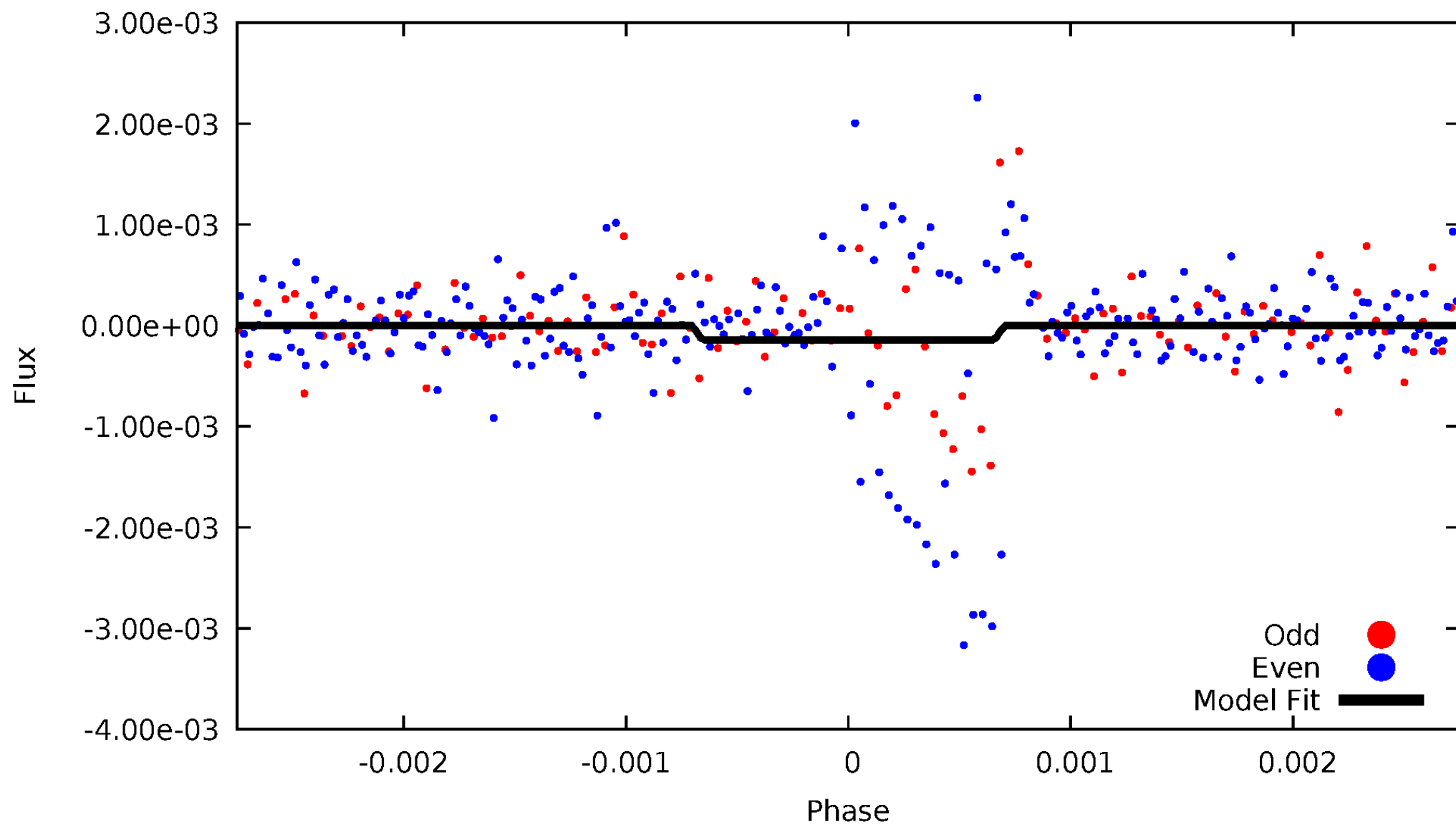
DV Odd/Even

TCE 011235995-03

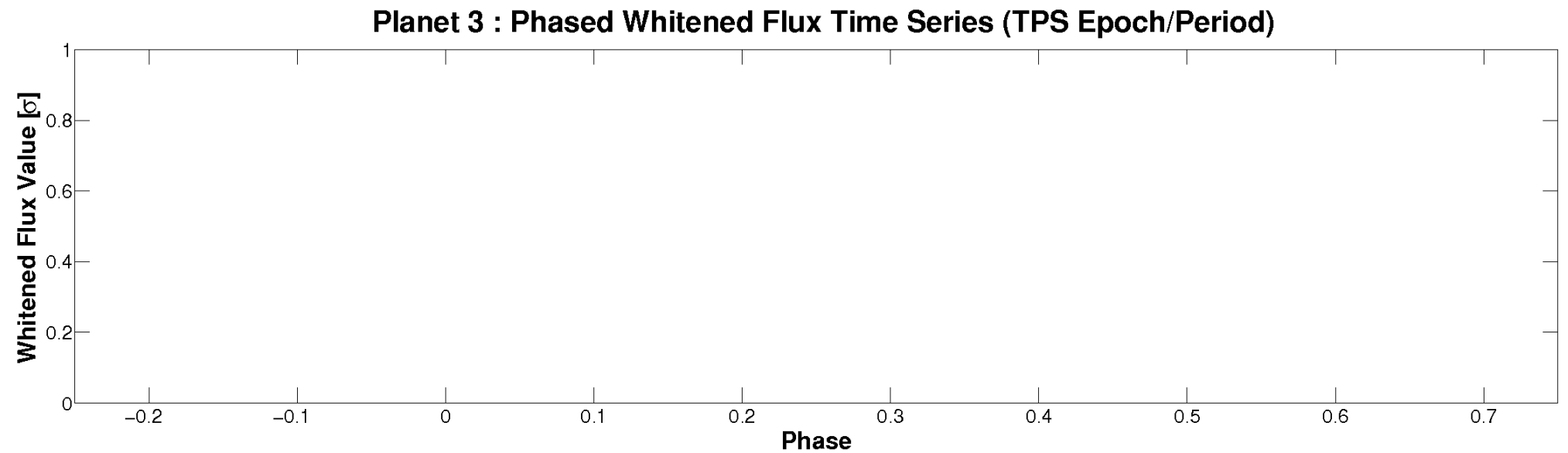
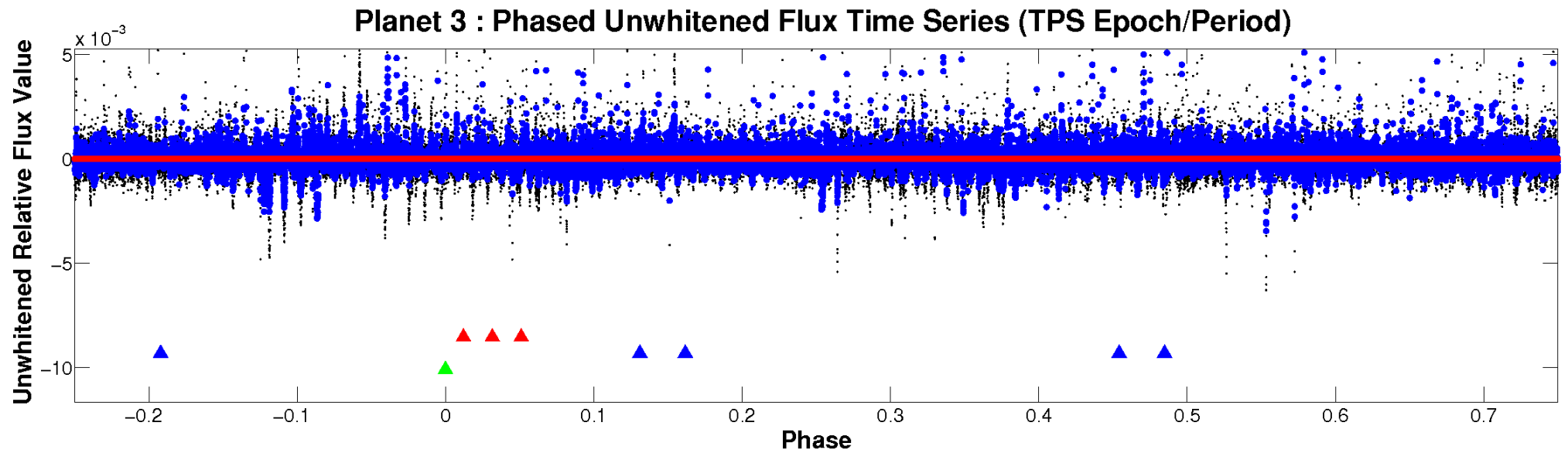


ALT Odd/Even

TCE 011235995-03

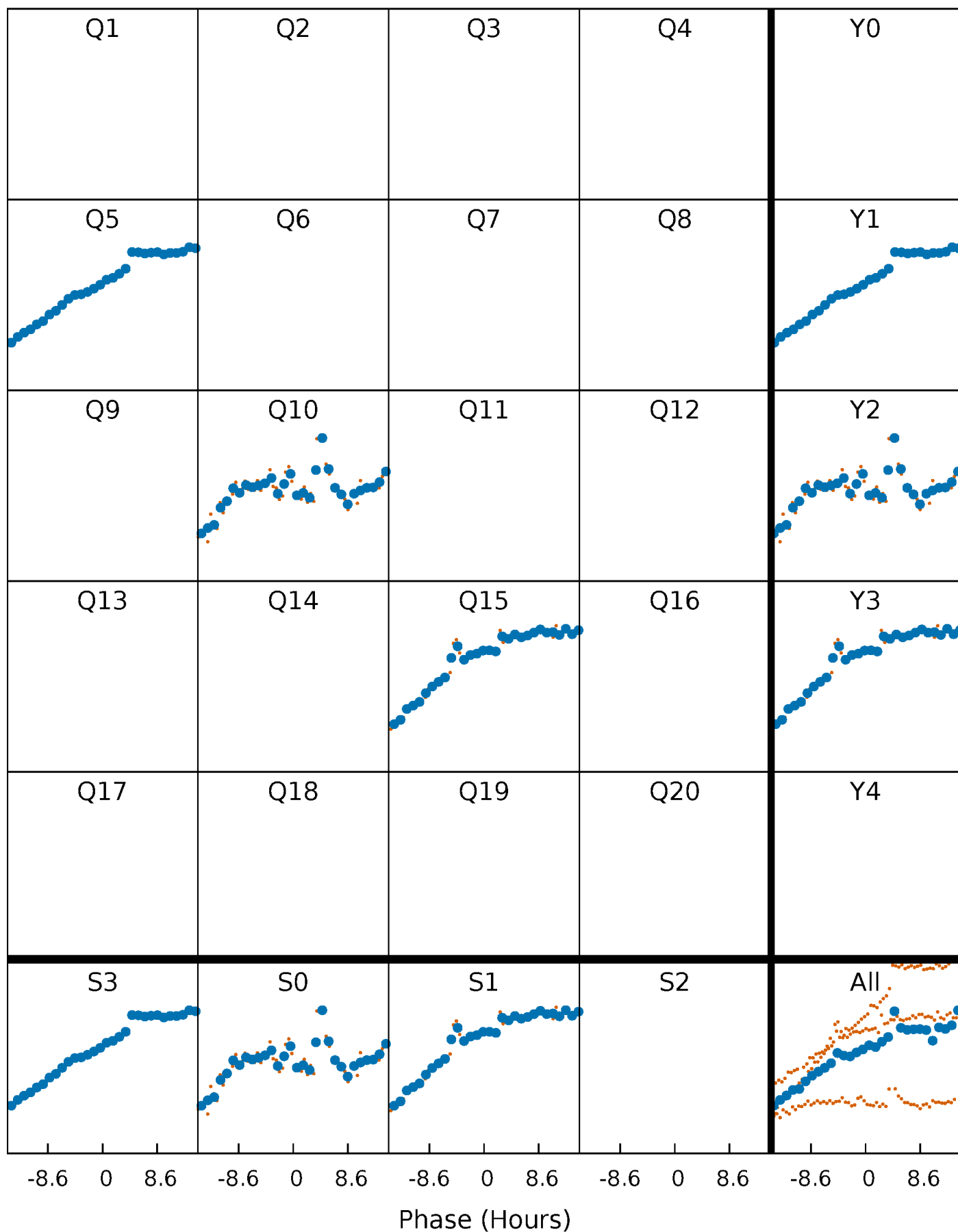


Non-Whitened Vs. Whitened Light Curve



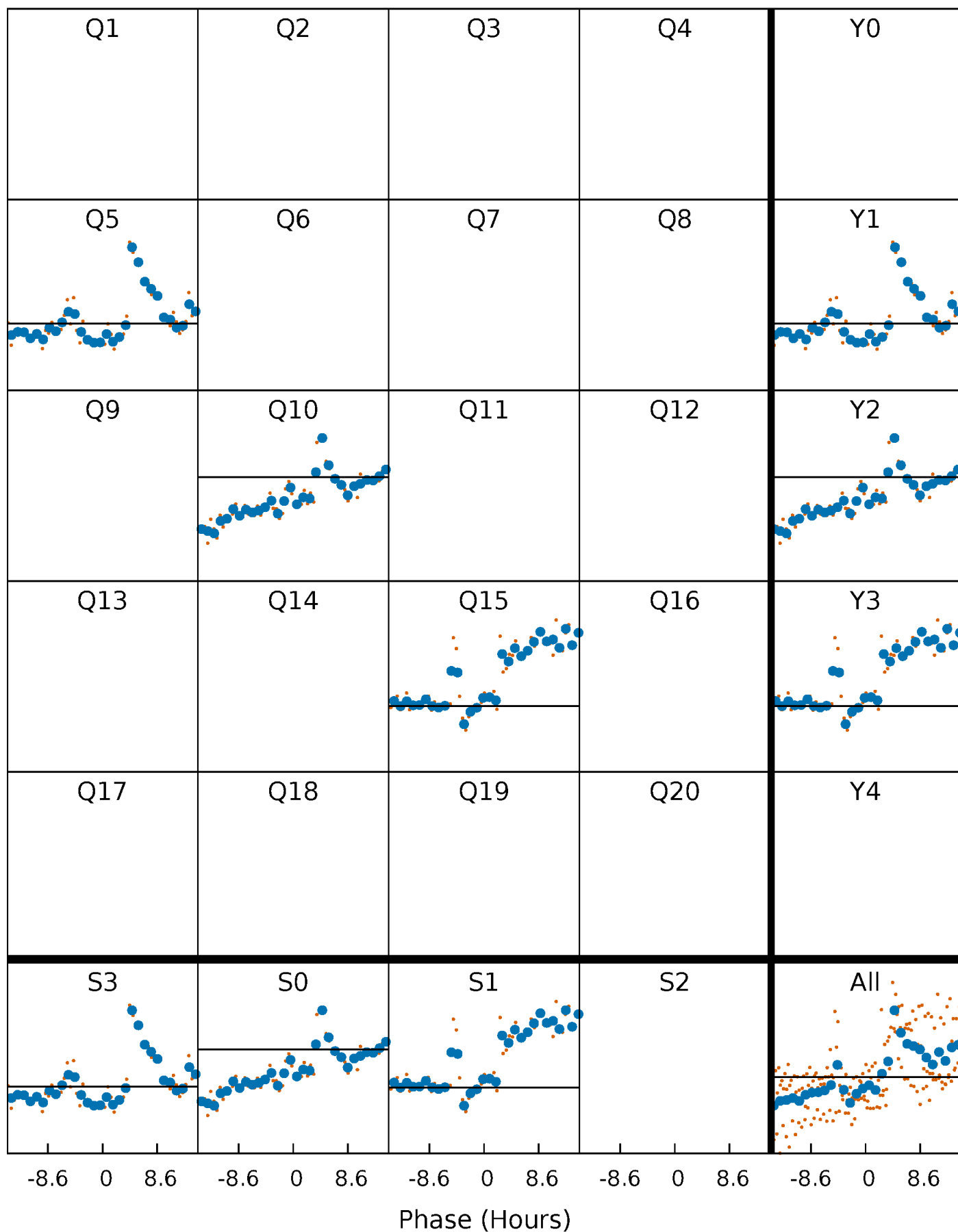
PDC Quarter-Phased Transit Curves

TCE 011235995-03 $P=483.280939$ Days $T_0=465.034371$ (BKJD)



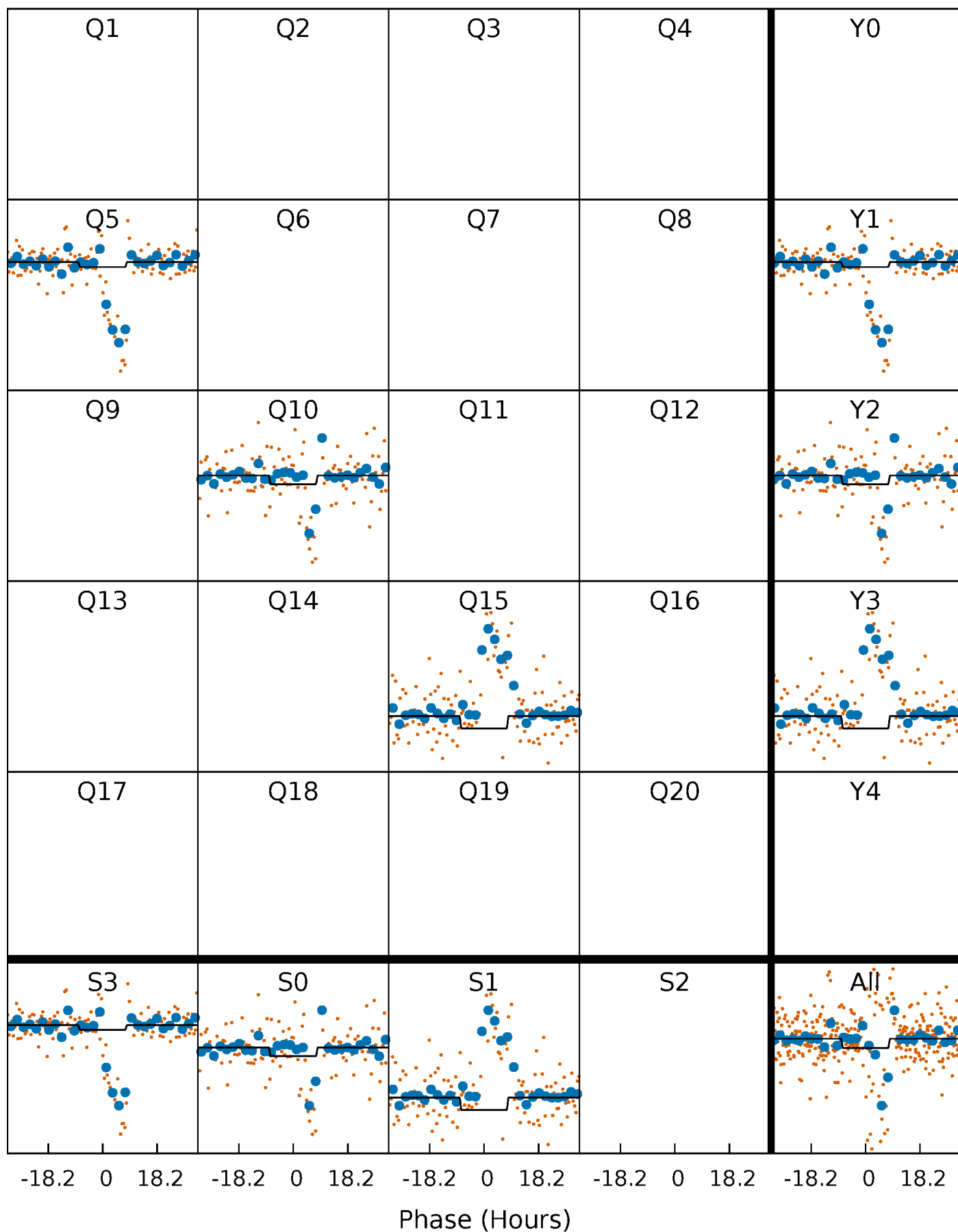
DV Quarter-Phased Transit Curves

TCE 011235995-03 $P=483.280939$ Days $T_0=465.034371$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

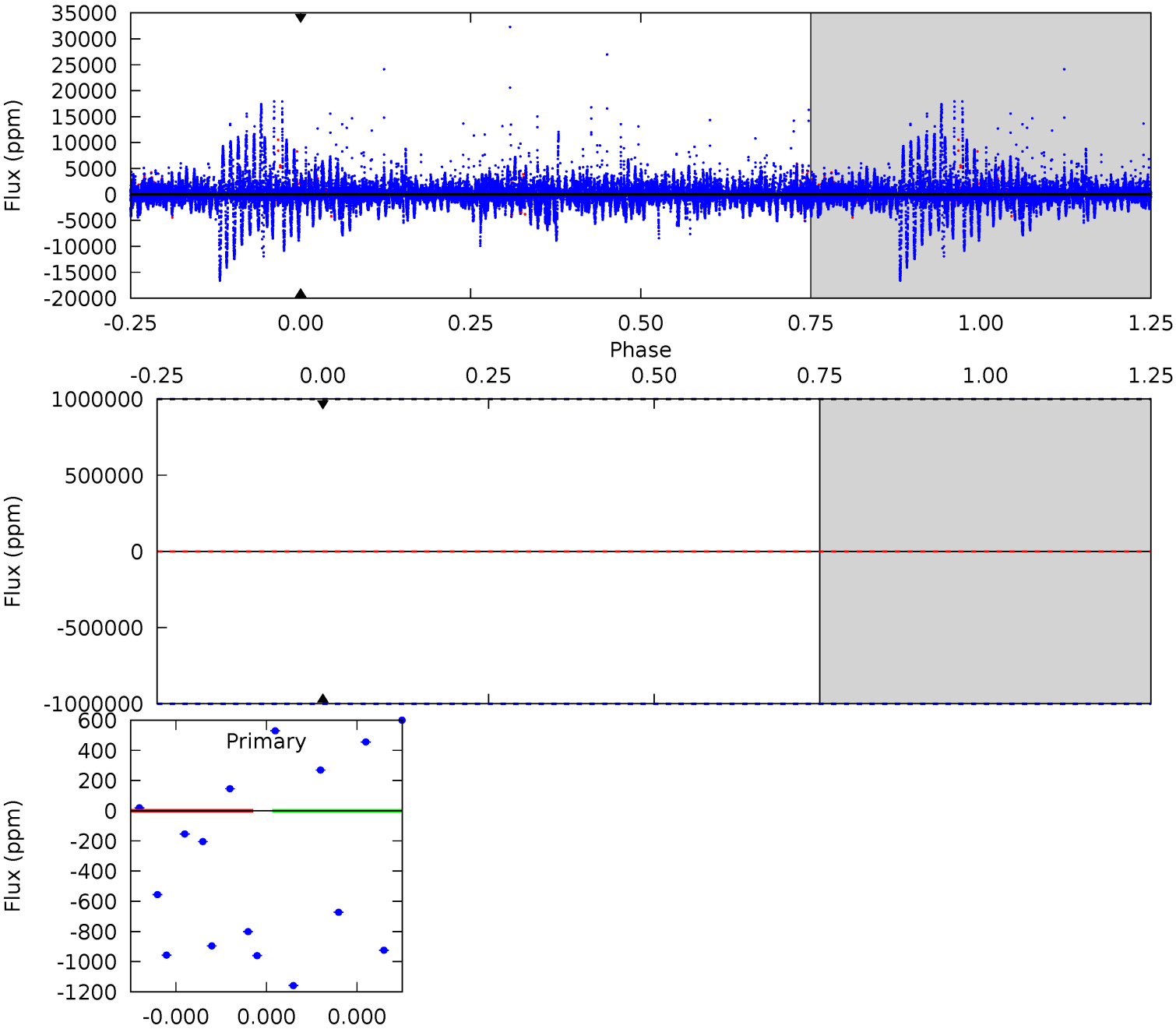
TCE 011235995-03 $P=483.280939$ Days $T_0=464.858926$ (BKJD)



DV Model-Shift Uniqueness Test

011235995-03, P = 483.280939 Days, E = 465.034371 Days

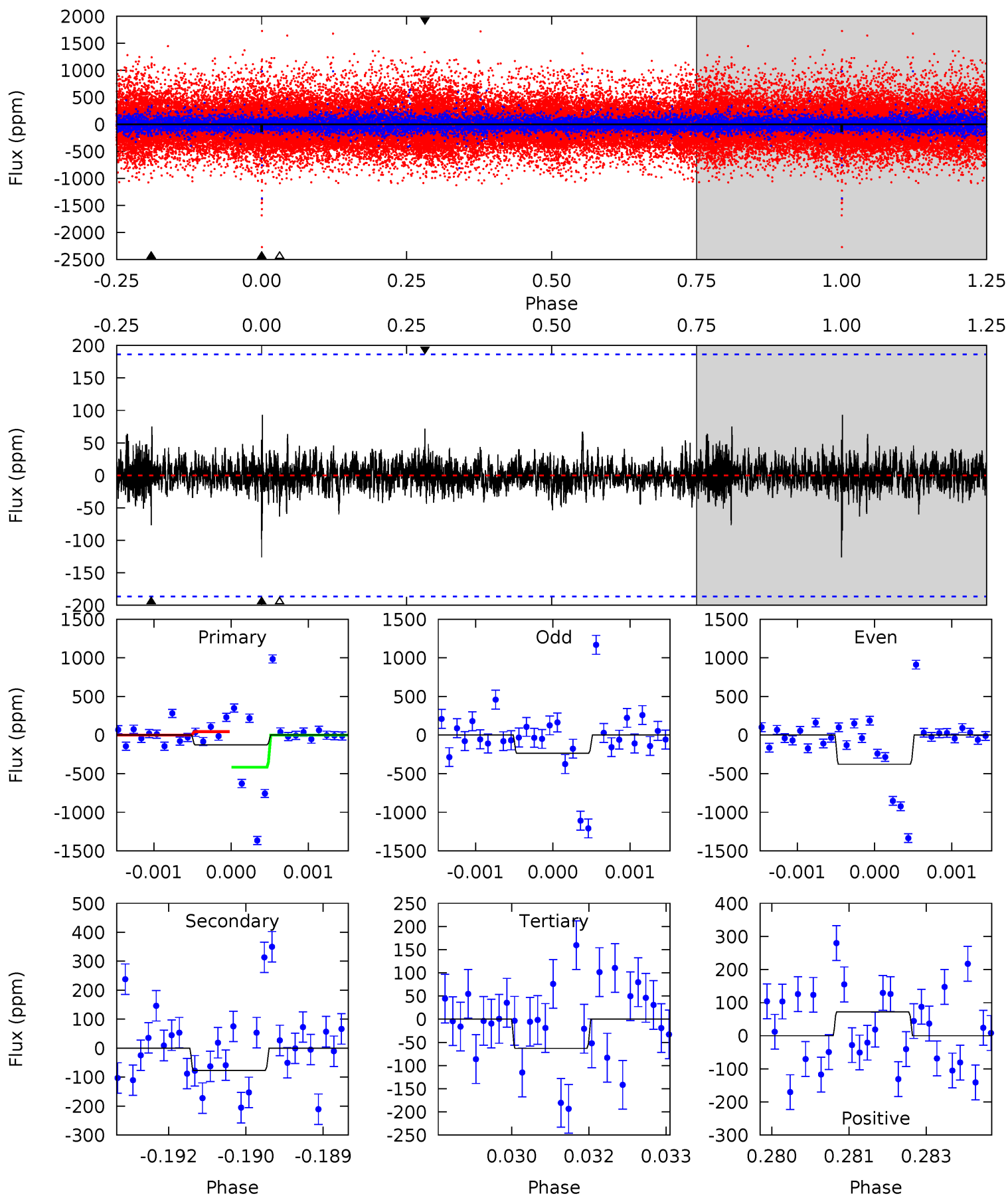
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

011235995-03, P = 483.280939 Days, E = 464.858926 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.64	2.22	1.82	2.08	5.39	3.20	0.43	1.82	1.56	0.39	0.14	2.10	1.12	0.43	5.28



Stellar Parameters For KIC 011235995

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (g \cdot \text{cm}^{-3})$
	5411^{+160}_{-144}	$4.526^{+0.054}_{-0.126}$	$-0.060^{+0.300}_{-0.300}$	$0.838^{+0.157}_{-0.085}$	$0.861^{+0.090}_{-0.081}$	$2.059^{+0.569}_{-0.753}$
	+3%/-3%	+1%/-3%	+500%/-500%	+19%/-10%	+10%/-9%	+28%/-37%
Source	PHO1	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 011235995-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 1000000	$7.05^{+7.77}_{-4.73}$	290^{+14}_{-12}	4630^{+13490}_{-21027}	$42592^{+2699933}_{-2293671}$
Alt.	-77 ± 35	$6.71^{+7.39}_{-4.67}$	289^{+16}_{-13}	2664^{+1098}_{-477}	1181^{+11464}_{-961}

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

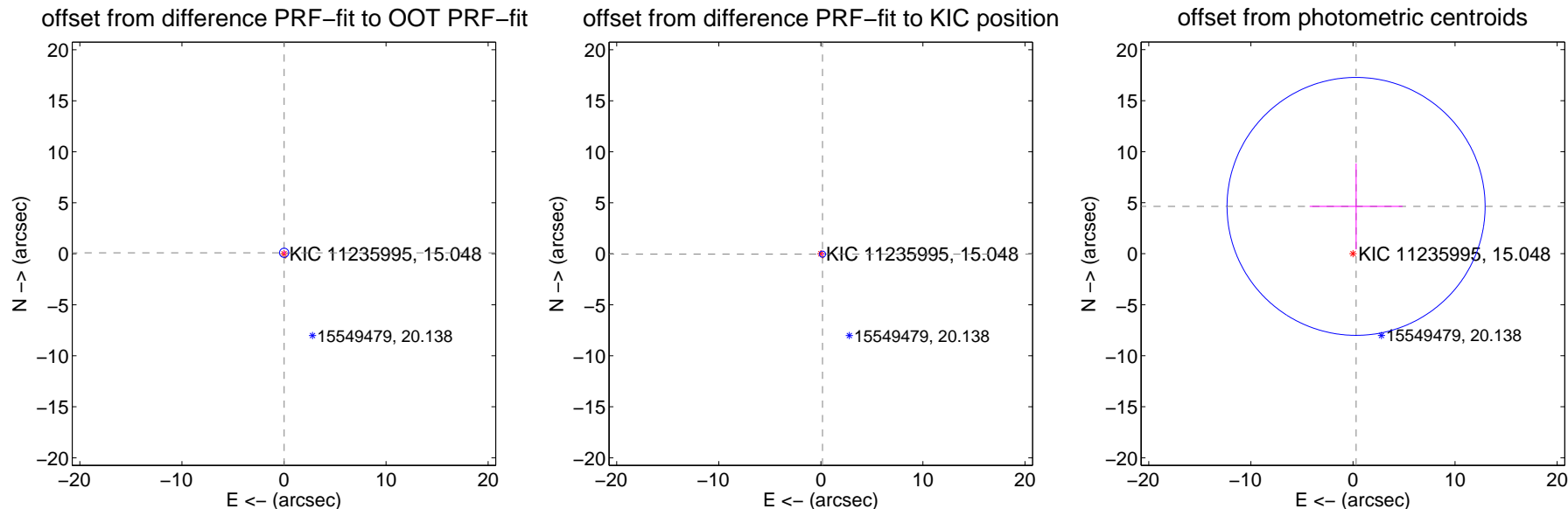
DV Centroid Data

Supplemental centroid analysis for 011235995-03. Kepler magnitude: 15.05. Transit SNR -1.00

There are 0 quarters with good PRF difference image offsets

The direct PRF centroid is offset from the target star catalog position by about 0.27 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.099 ± 0.151	0.65	-0.013 ± 0.094	0.098 ± 0.151
PRF-fit source offset from KIC position	0.164 ± 0.100	1.63	-0.160 ± 0.100	-0.037 ± 0.109
photometric centroid source offset	4.65 ± 4.21	1.10	-0.31 ± 4.55	4.64 ± 4.21

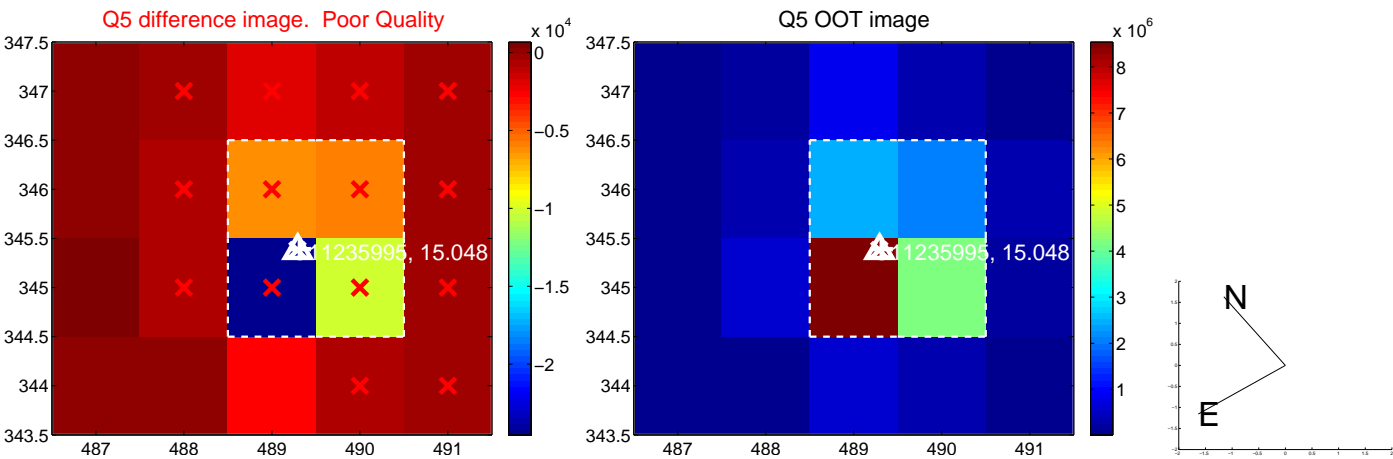


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

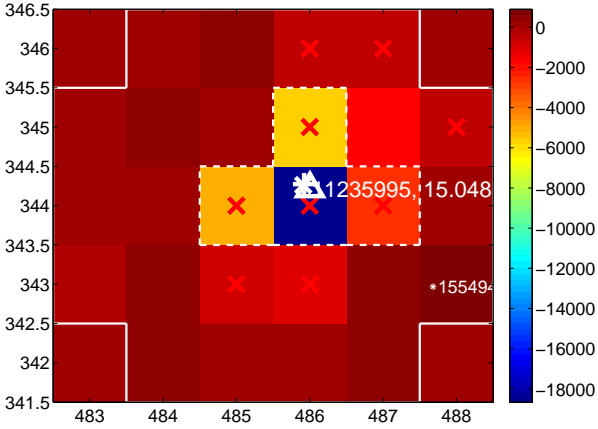
Q9 no difference image



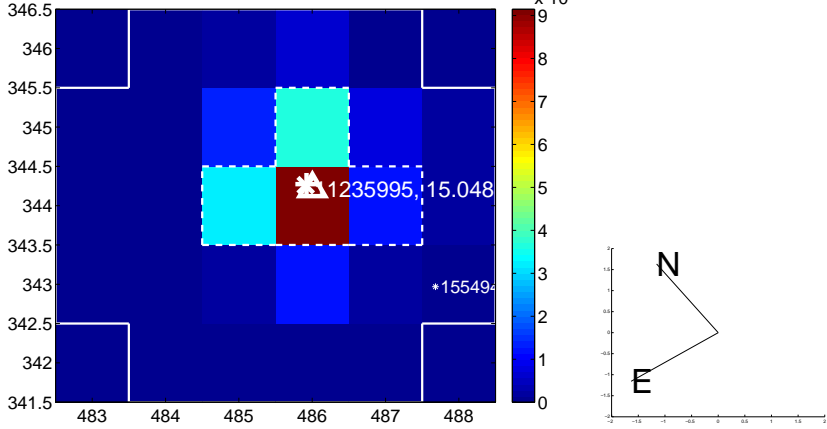
Q9 no OOT image



Q10 difference image. Poor Quality



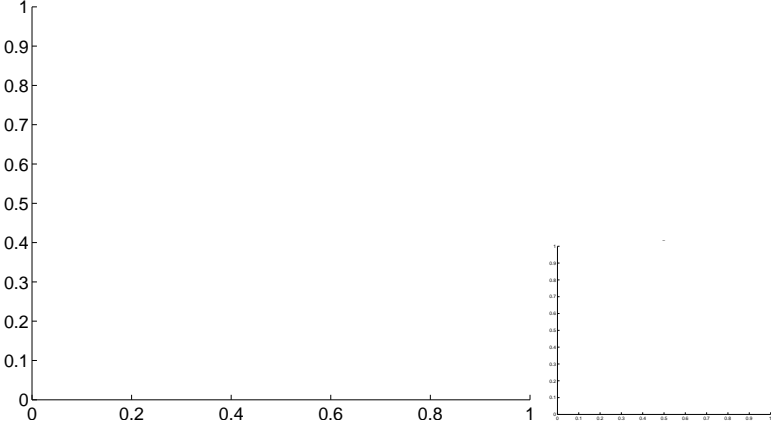
Q10 OOT image



Q11 no difference image



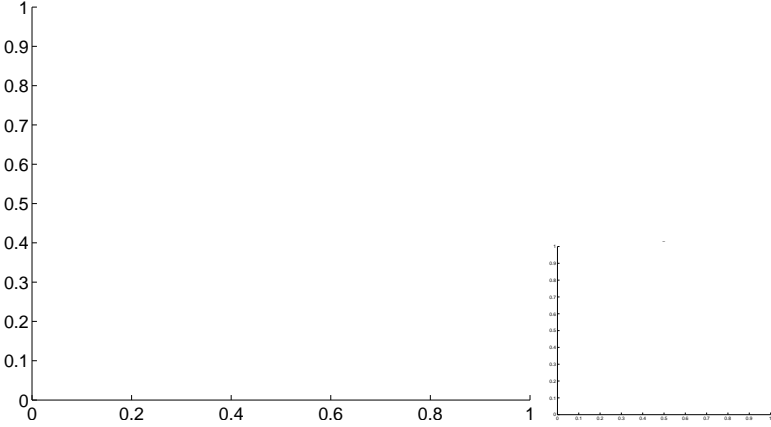
Q11 no OOT image



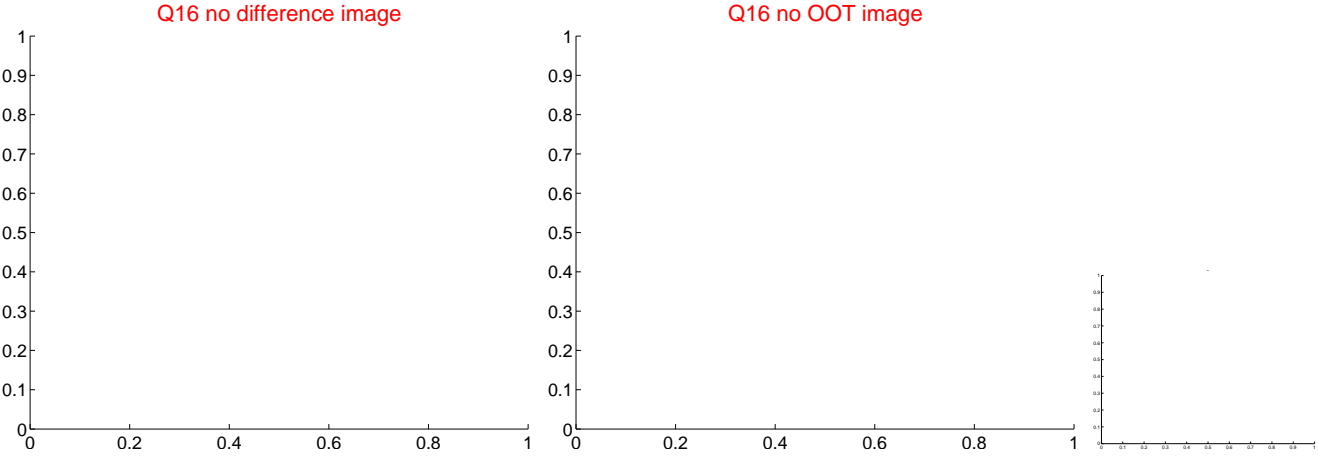
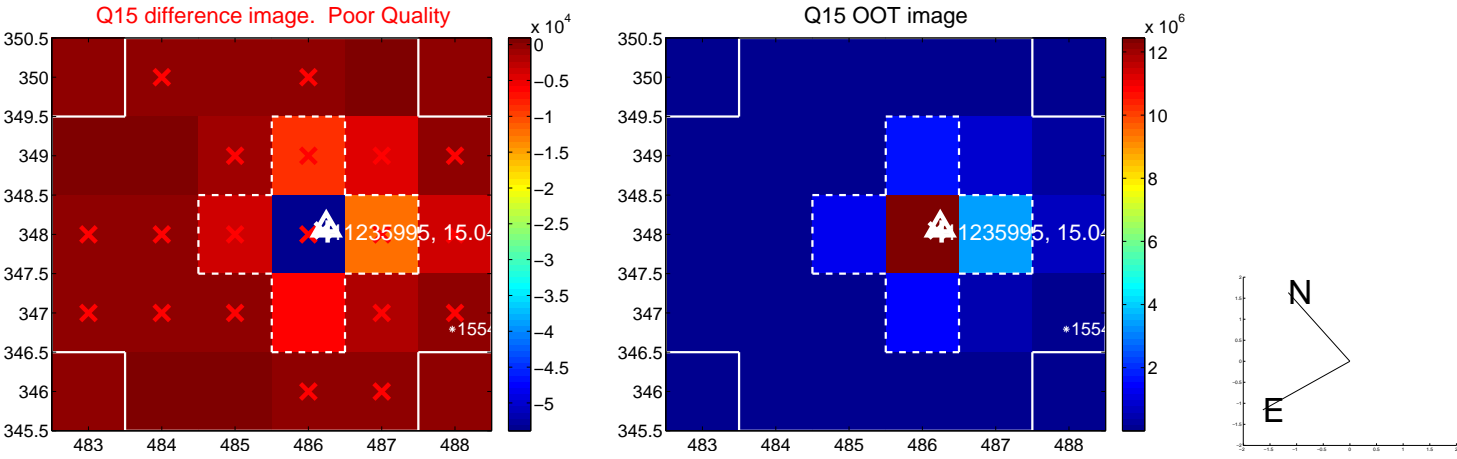
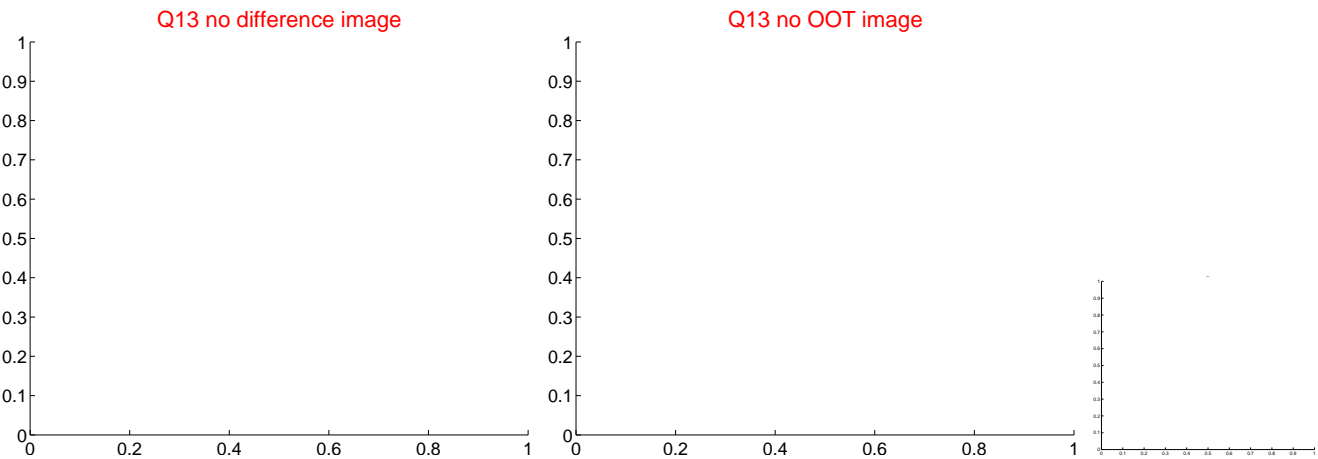
Q12 no difference image



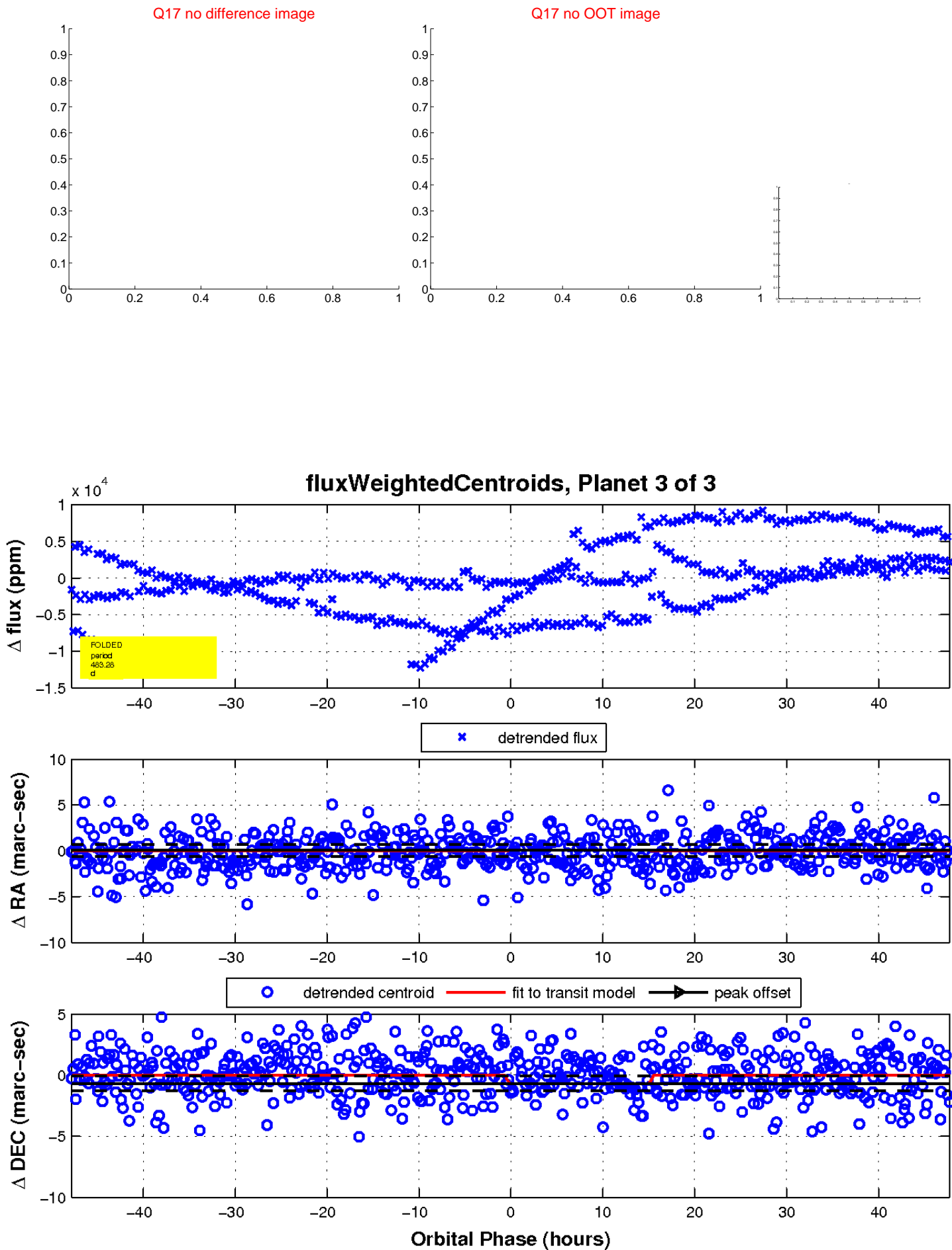
Q12 no OOT image



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

