

KIC 008308260

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})
008308260-01	OBS	4436.01	0.973169	132.253799	132.7	1.194	10.9	15.2	1.03	6108	1.23	3297.09
008308260-02	OBS	No	316.598519	287.995571	773.0	12.789	8.8	7.1	1.03	6108	2.93	1.47
008308260-03	OBS	No	354.127358	248.927020	1210.9	9.620	7.7	7.8	1.03	6108	4.00	1.27

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008308260-01	OBS	FP	0.00	0	0	1	0	CENT_RESOLVED_OFFSET
008308260-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_MARSHALL_SKYE—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—INCONSISTENT_TRANS
008308260-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL_SKYE—ALL_TRANS_CHASES—CENT_FEW_DIFFS

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

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

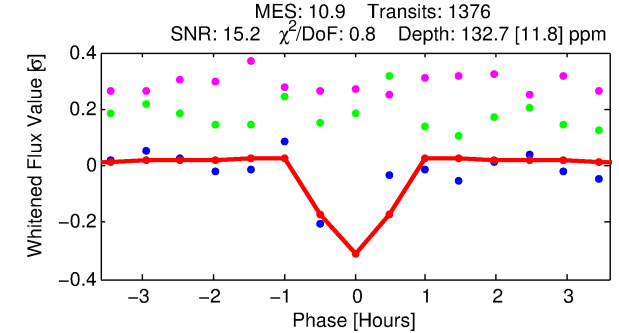
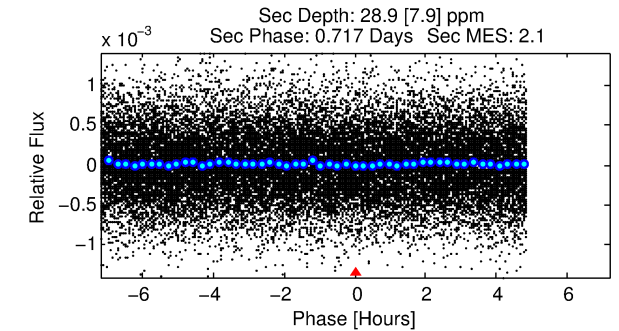
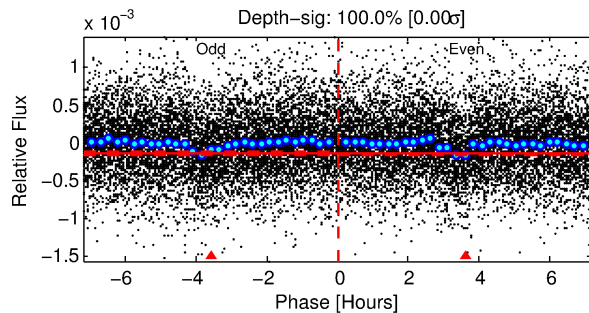
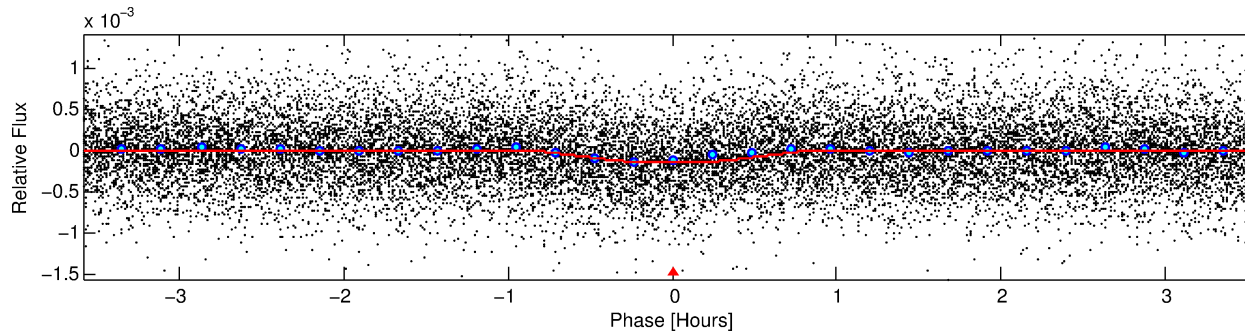
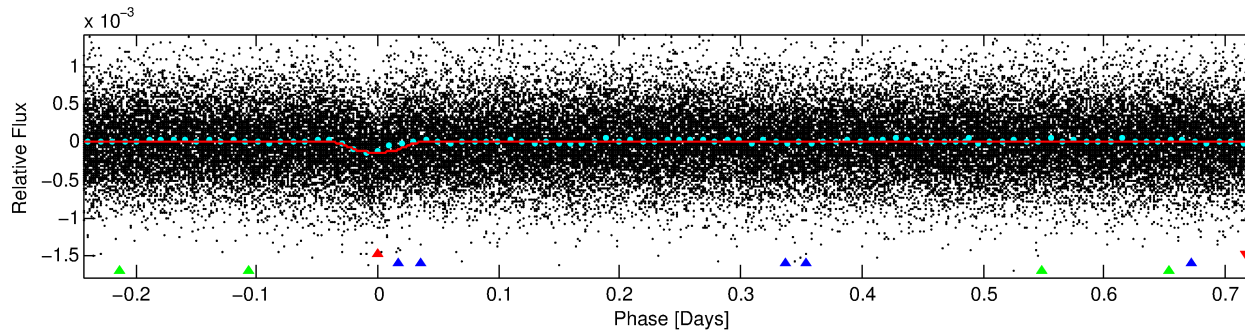
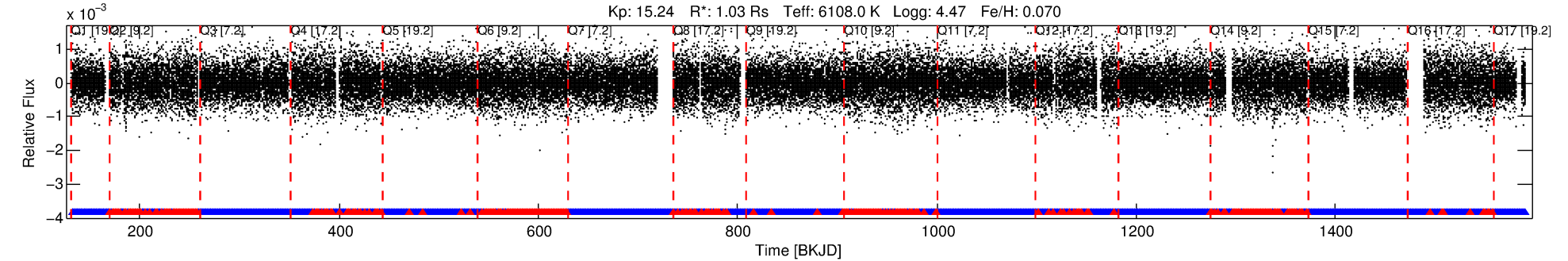
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 008308260-01

No Significant Match Found

DV One-Page Summary

KIC: 8308260 Candidate: 1 of 3 Period: 0.973 d
KOI: K04436.01 Corr: 0.843



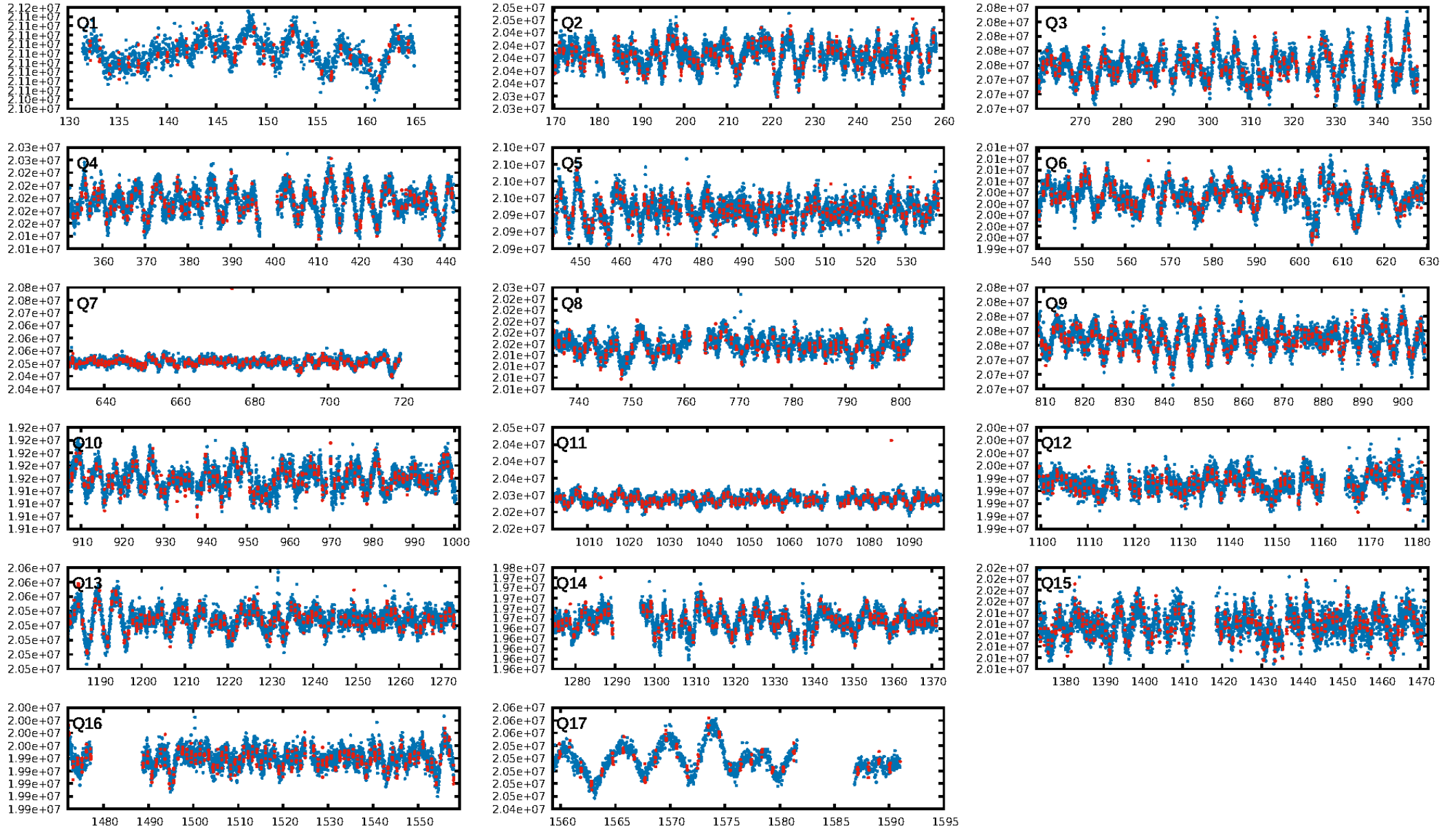
DV Fit Results:

Period = 0.97317 [0.00001] d
Epoch = 132.2538 [0.0012] BKJD
Rp/R* = 0.0109 [0.0047]
a/R* = 5.52 [10.95]
b = 0.50 [3.10]
Seff = 3297.09 [1357.59]
Teq = 1932 [199] K
Rp = 1.23 [0.65] Re
a = 0.0200 [0.0053] AU
Ag = 4.25 [4.17] [0.78σ]
Teffp = 4289 [983] K [2.35σ]

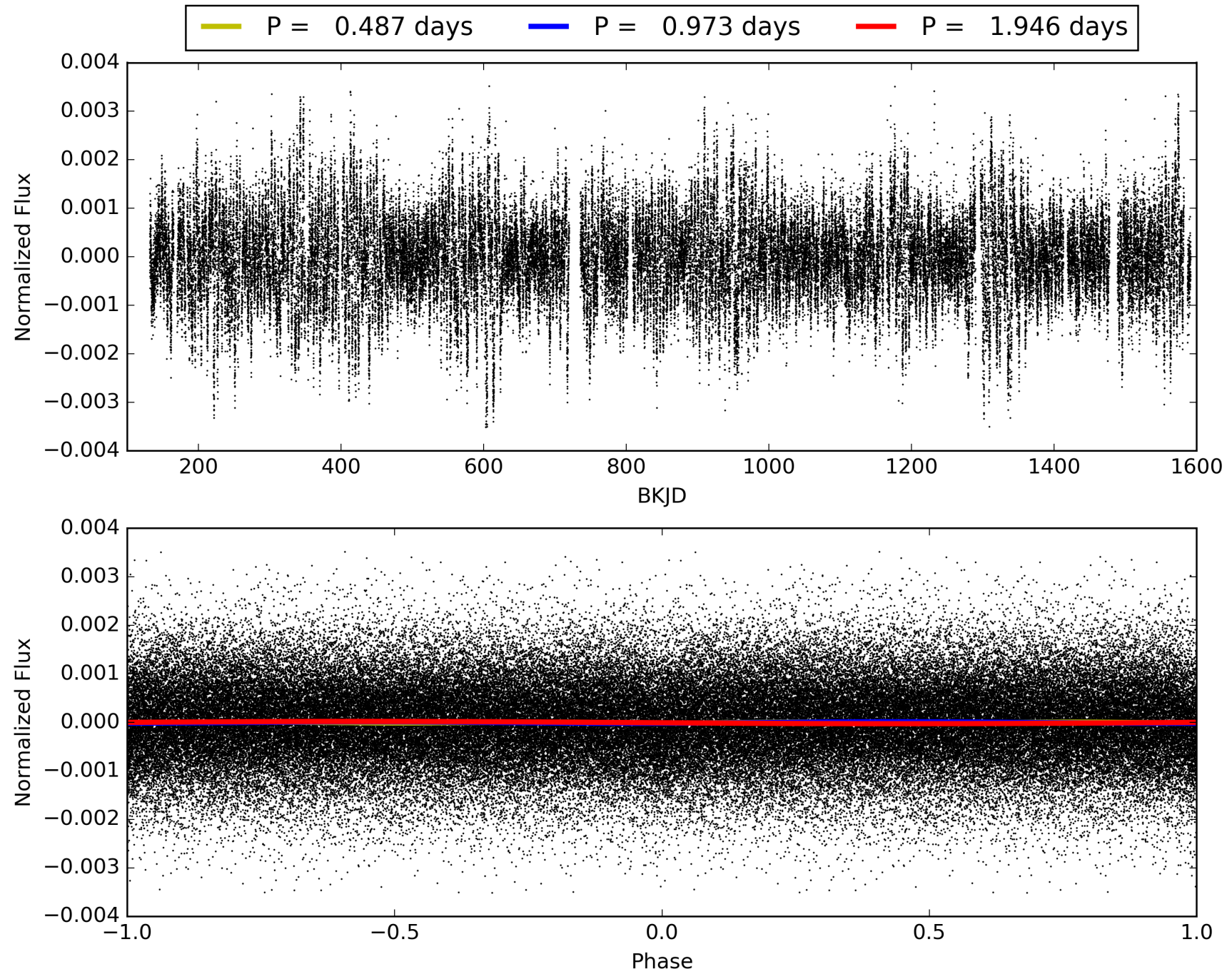
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [589.72σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.02e-25
RollingBand-figt: 0.74 [972/1314]
GhostDiagnostic-chr: -0.7704
Centroid-sig: 0.0%
Centroid-so: 24.299 arcsec [21.77σ]
OotOffset-rm: N/A
KicOffset-rm: N/A
OotOffset-st: 0/0/0/0 [0]
KicOffset-st: 0/0/0/0 [0]
DiffImageQuality-fgm: N/A
DiffImageOverlap-fno: 1.00 [17/17]

TCE 008308260-01, PDC Light Curves

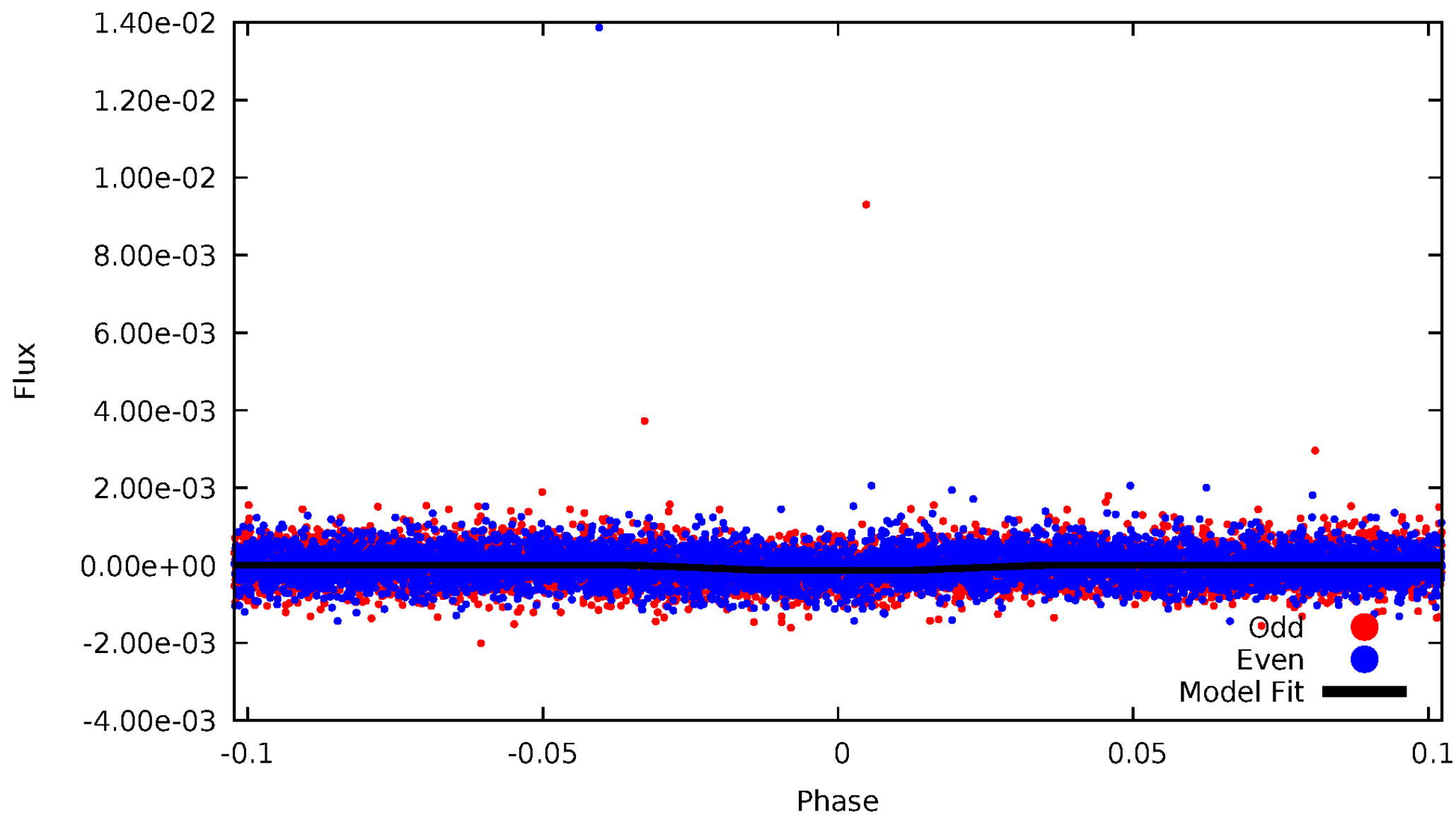


TCE 008308260-01



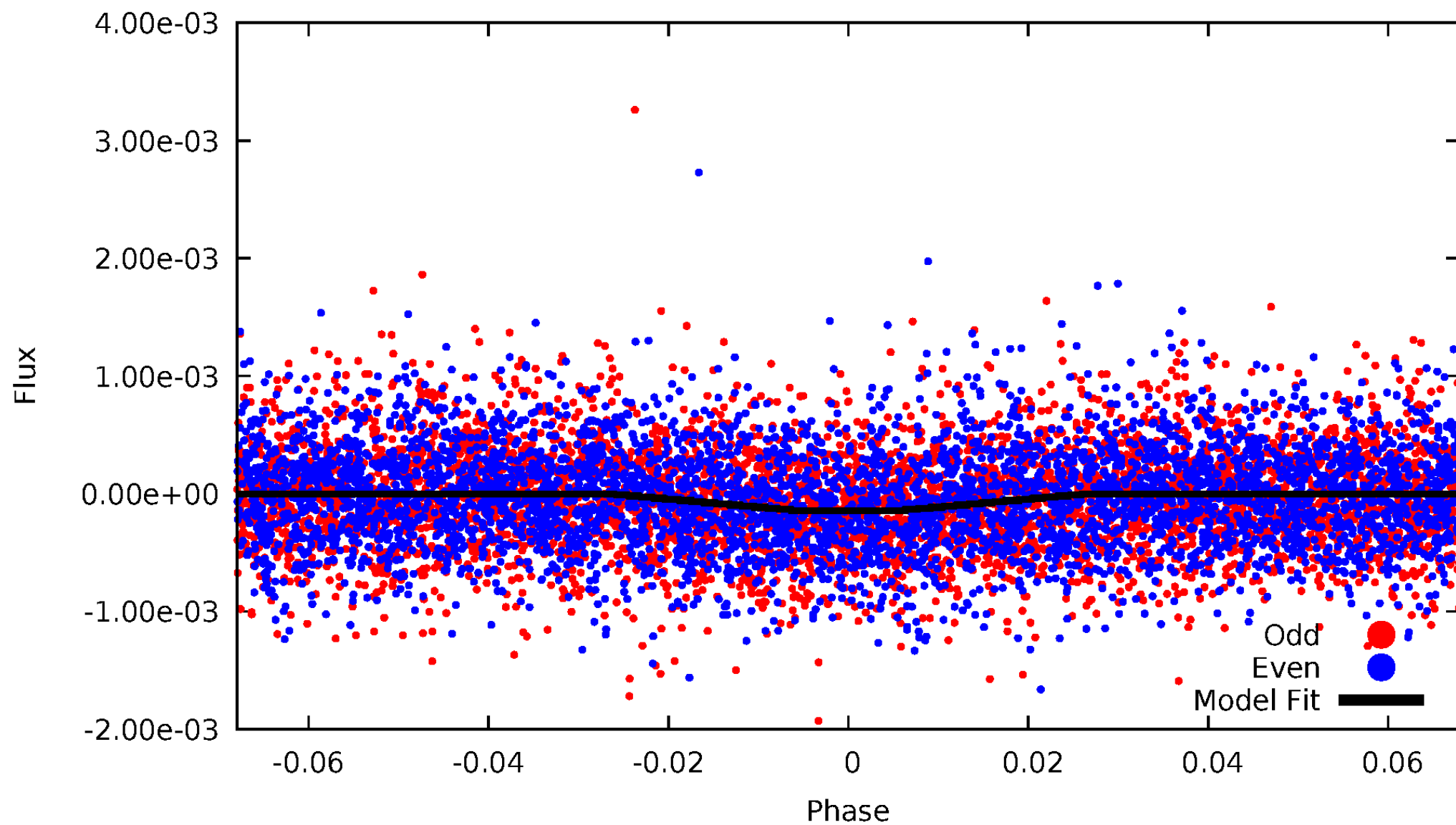
DV Odd/Even

TCE 008308260-01



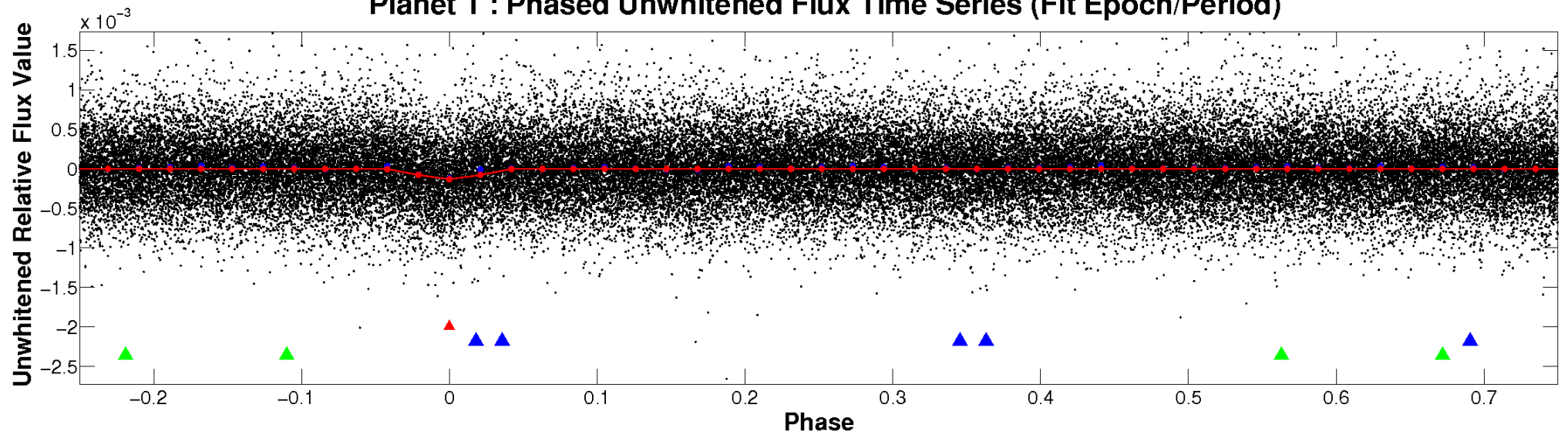
ALT Odd/Even

TCE 008308260-01

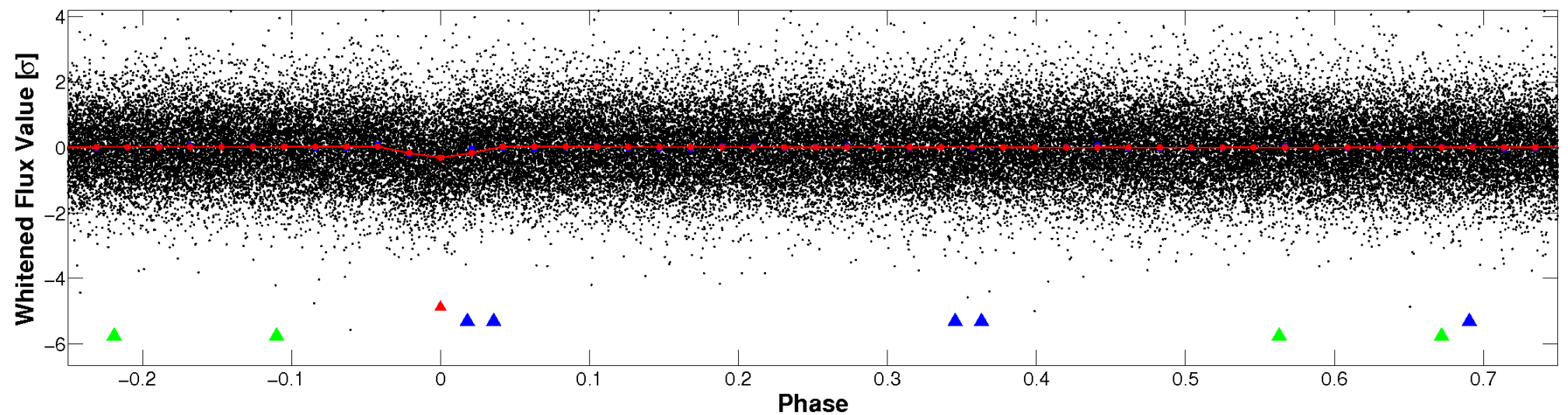


Non-Whitened Vs. Whitened Light Curve

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

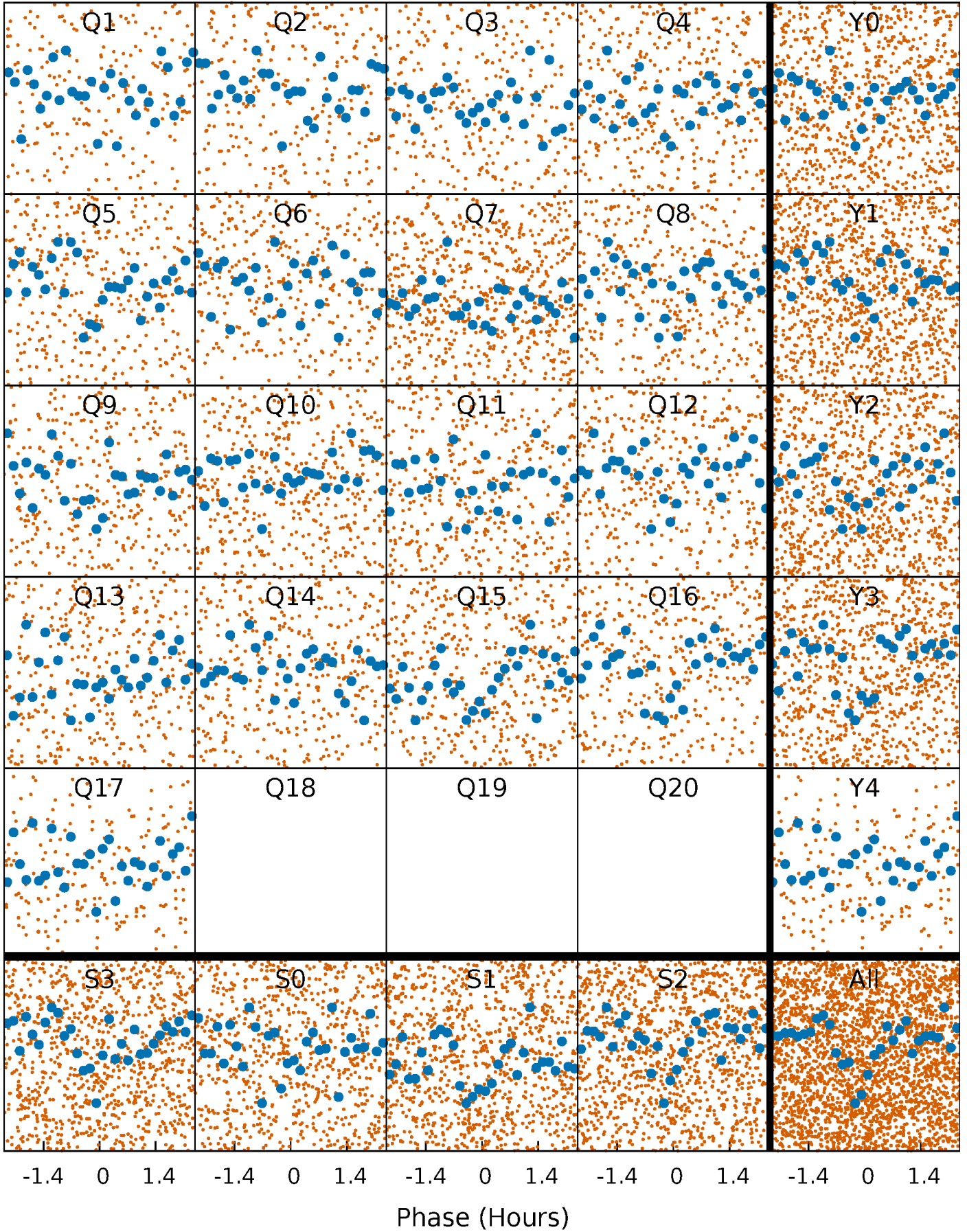


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



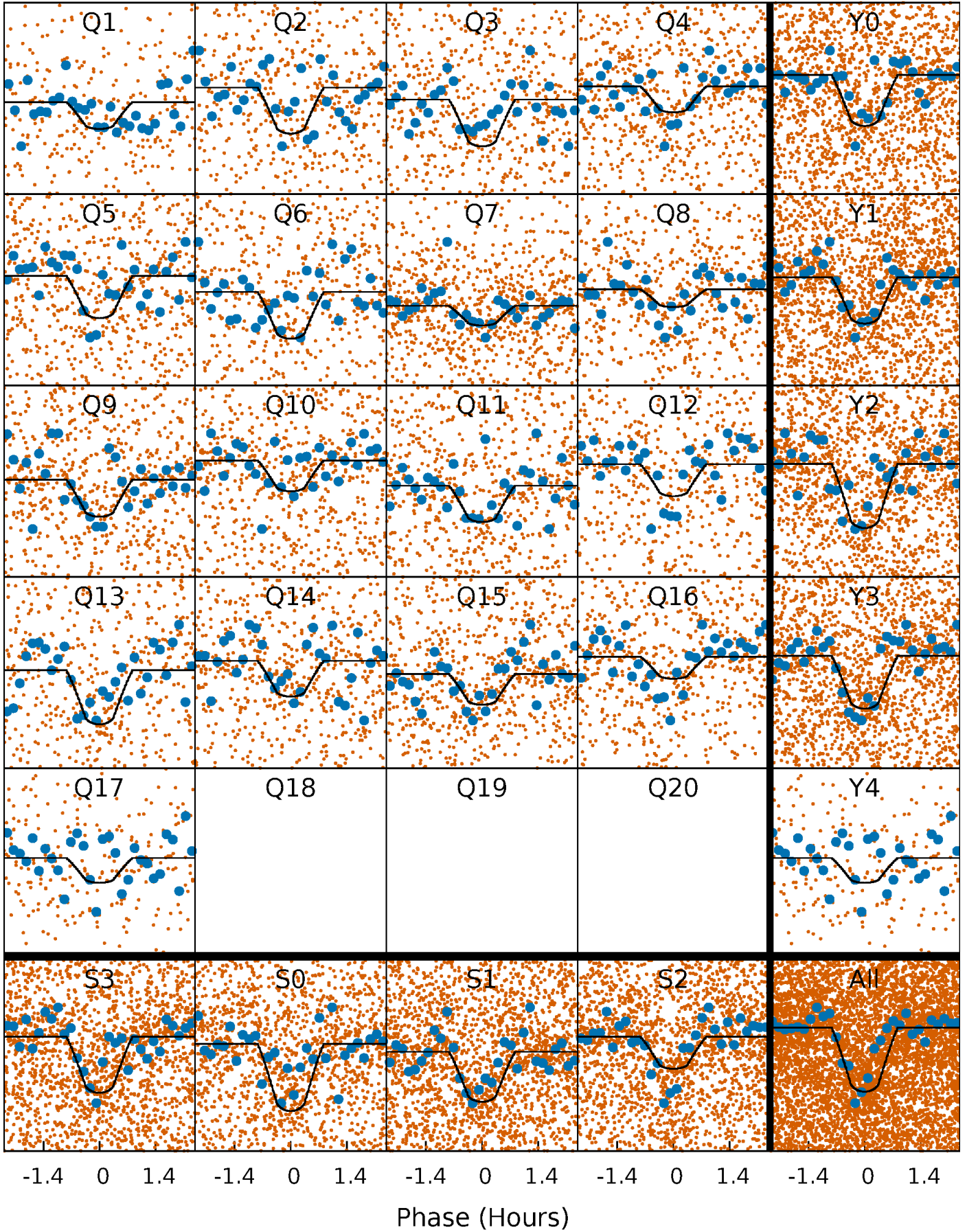
PDC Quarter-Phased Transit Curves

TCE 008308260-01 P= 0.973169 Days $T_0=132.253798$ (BKJD)



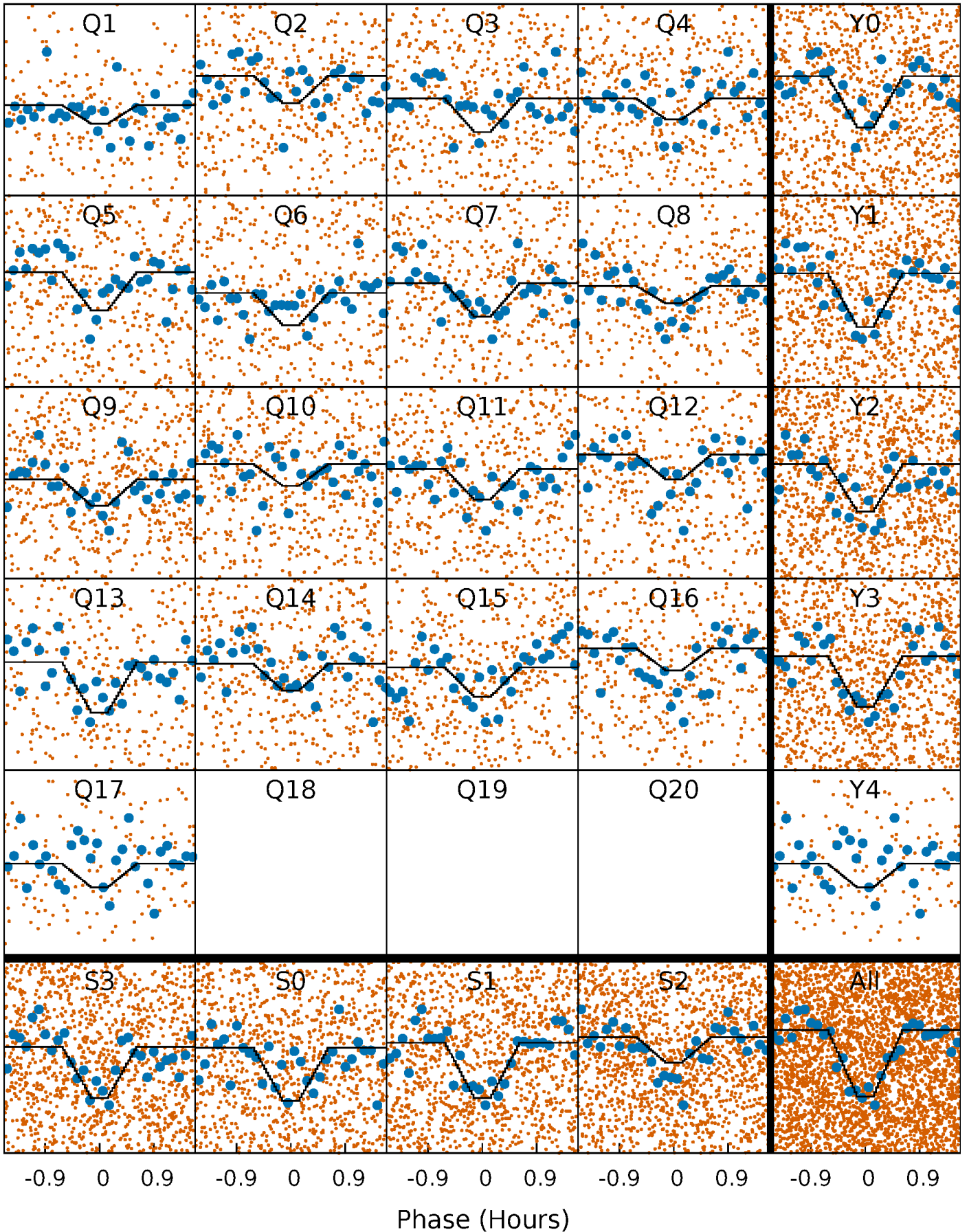
DV Quarter-Phased Transit Curves

TCE 008308260-01 P= 0.973169 Days $T_0=132.253798$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

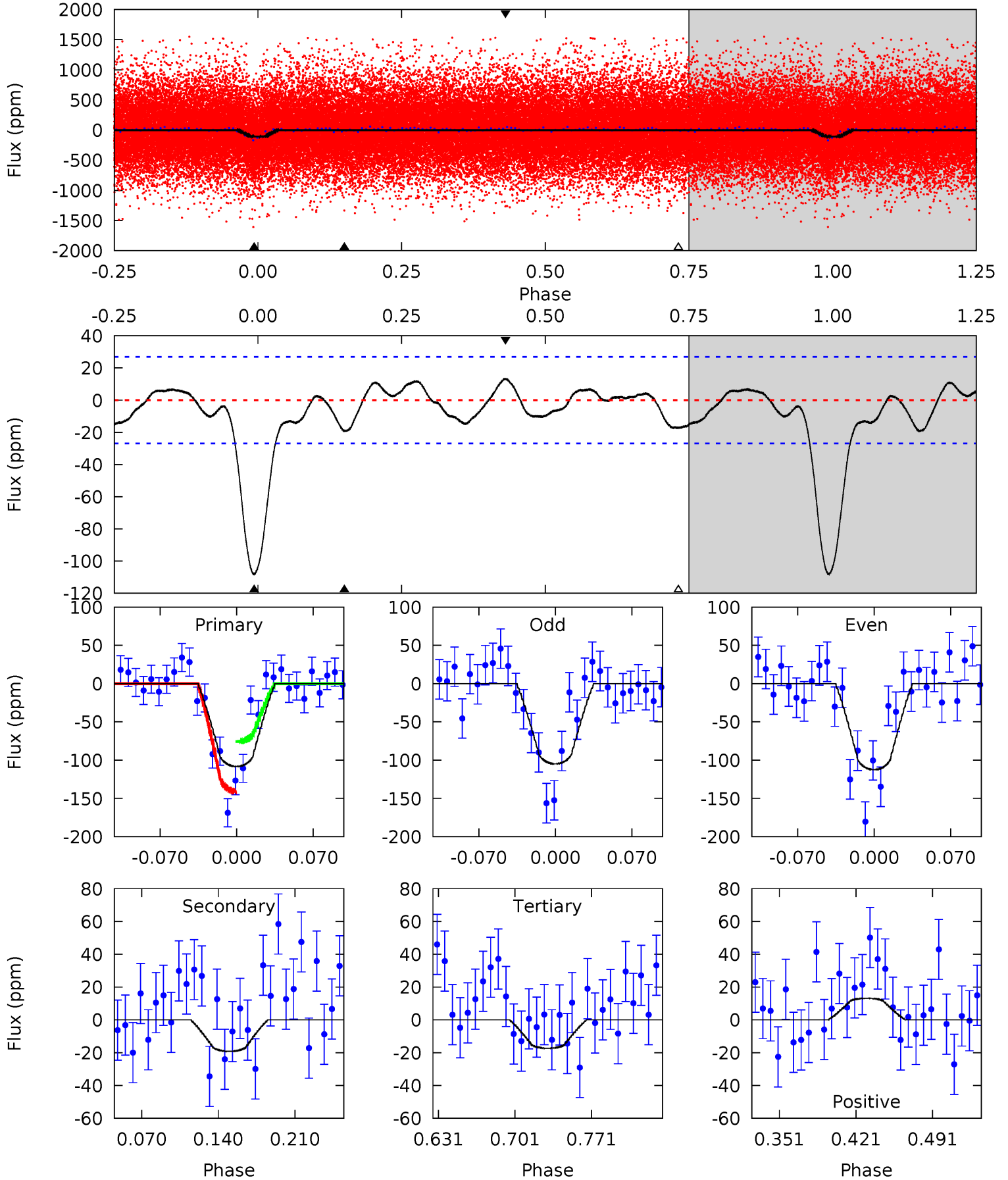
TCE 008308260-01 P= 0.973161 Days $T_0=132.254102$ (BKJD)



DV Model-Shift Uniqueness Test

008308260-01, P = 0.973169 Days, E = 131.280629 Days

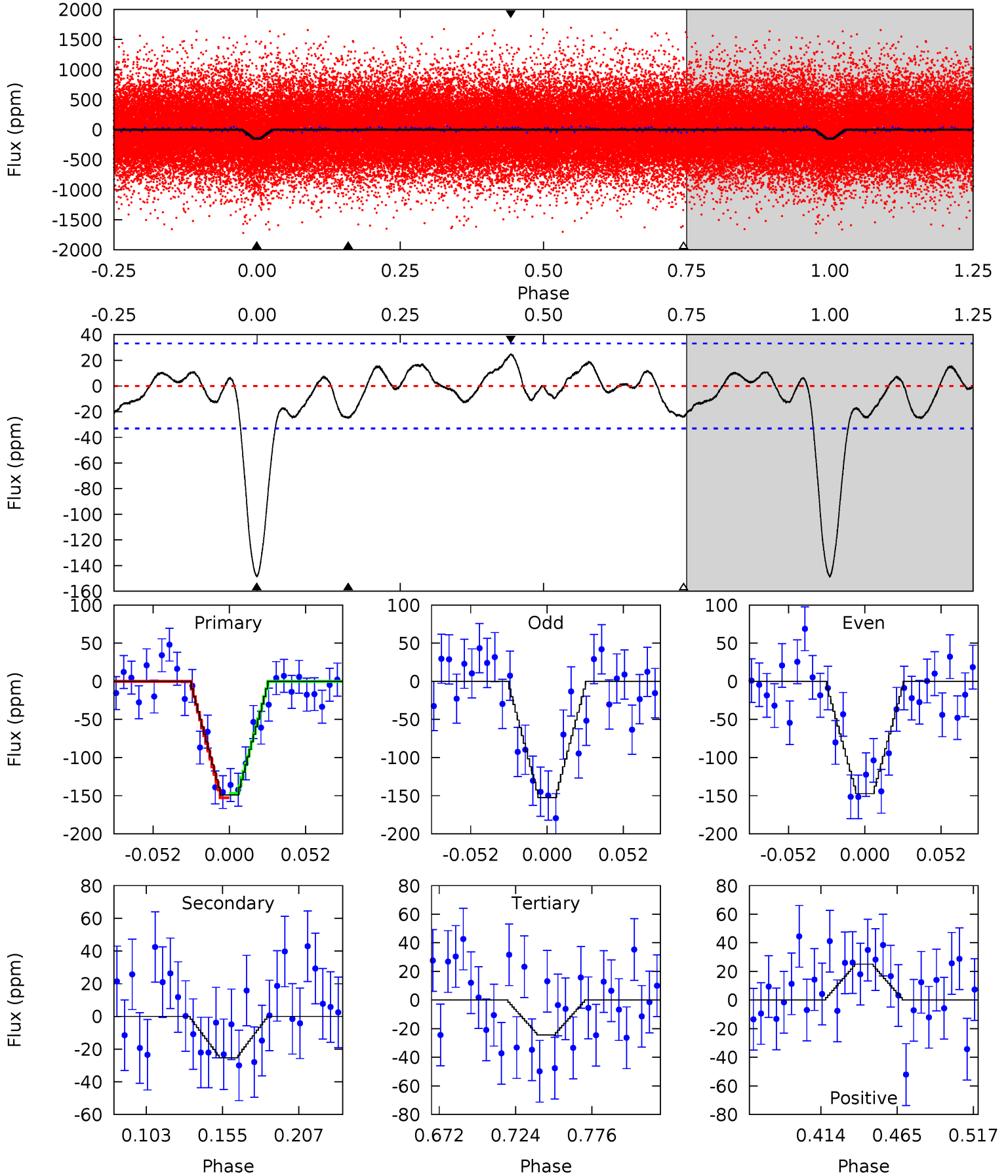
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
18.7	3.30	2.99	2.27	4.64	1.81	1.38	15.7	16.4	0.31	1.03	0.66	0.96	0.11	5.66



Alt Model-Shift Uniqueness Test

008308260-01, P = 0.973161 Days, E = 131.280941 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.1	3.59	3.45	3.55	4.70	1.95	1.59	17.7	17.6	0.14	0.04	0.37	0.89	0.14	0.40



Stellar Parameters For KIC 008308260

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6108^{+172}_{-236}	$4.466^{+0.052}_{-0.208}$	$0.070^{+0.250}_{-0.300}$	$1.030^{+0.323}_{-0.108}$	$1.132^{+0.141}_{-0.141}$	$1.457^{+0.318}_{-0.804}$
	+3%/-4%	+1%/-5%	+357%/-429%	+31%/-10%	+12%/-12%	+22%/-55%
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 008308260-01 / KOI 4436.01

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-19 ± 6	$1.33^{+0.55}_{-0.56}$	2754^{+201}_{-132}	3980^{+1034}_{-568}	$2.379^{+4.854}_{-1.343}$
Alt.	-25 ± 7	$1.43^{+0.59}_{-0.58}$	2744^{+215}_{-129}	4098^{+1001}_{-628}	$2.661^{+5.150}_{-1.471}$

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 008308260-01. Kepler magnitude: 15.24. Transit SNR 15.22

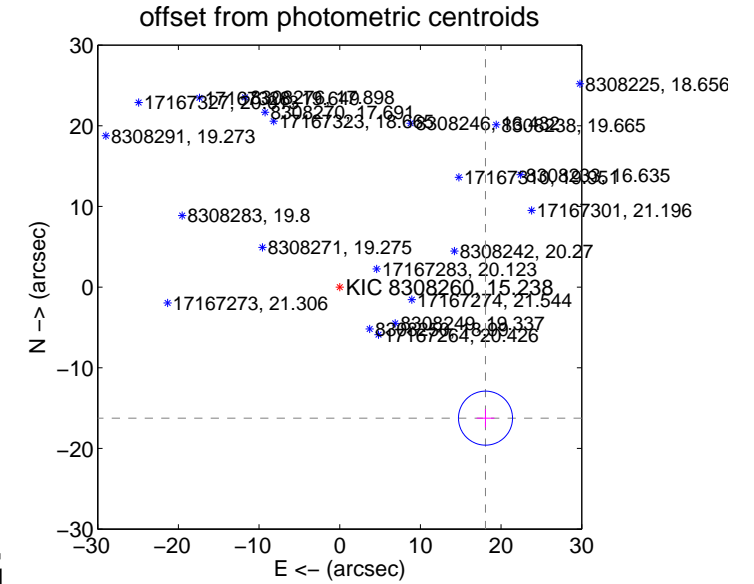
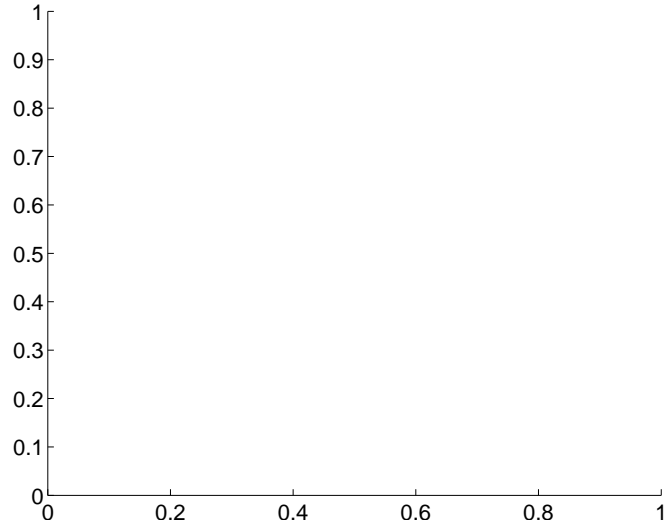
There are 0 quarters with good PRF difference image offsets

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

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	—	—	—	—
PRF-fit source offset from KIC position	—	—	—	—
photometric centroid source offset	24.30 ± 1.12	21.77	-18.07 ± 1.10	-16.25 ± 1.14

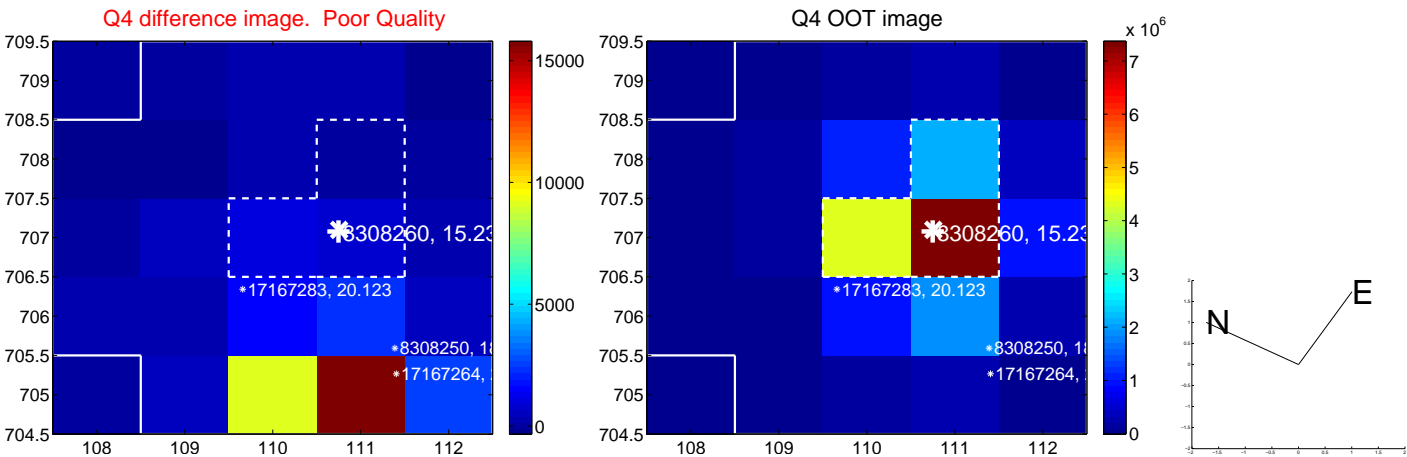
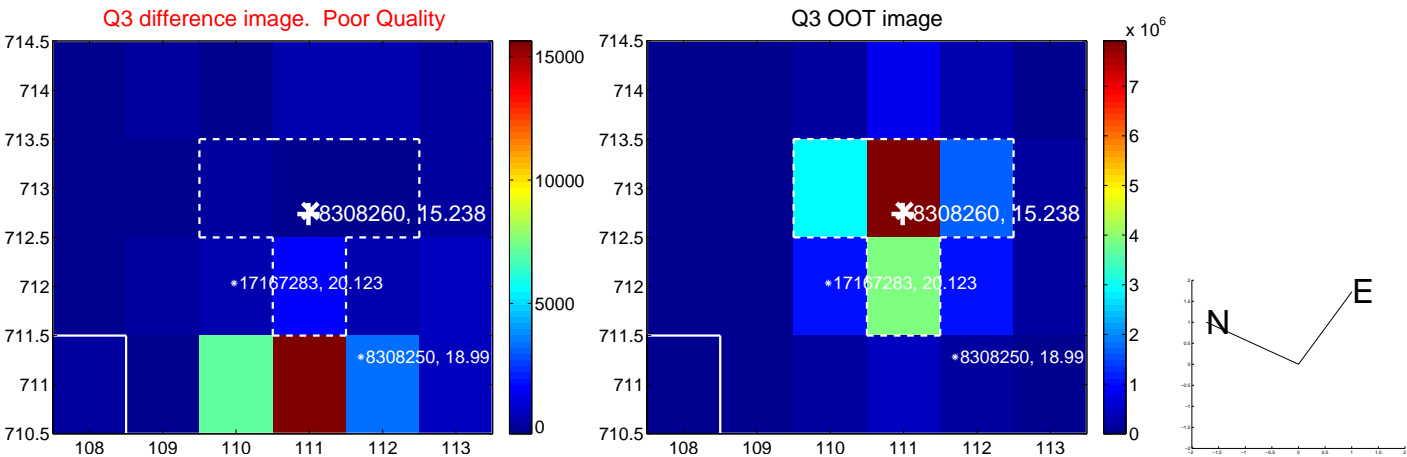
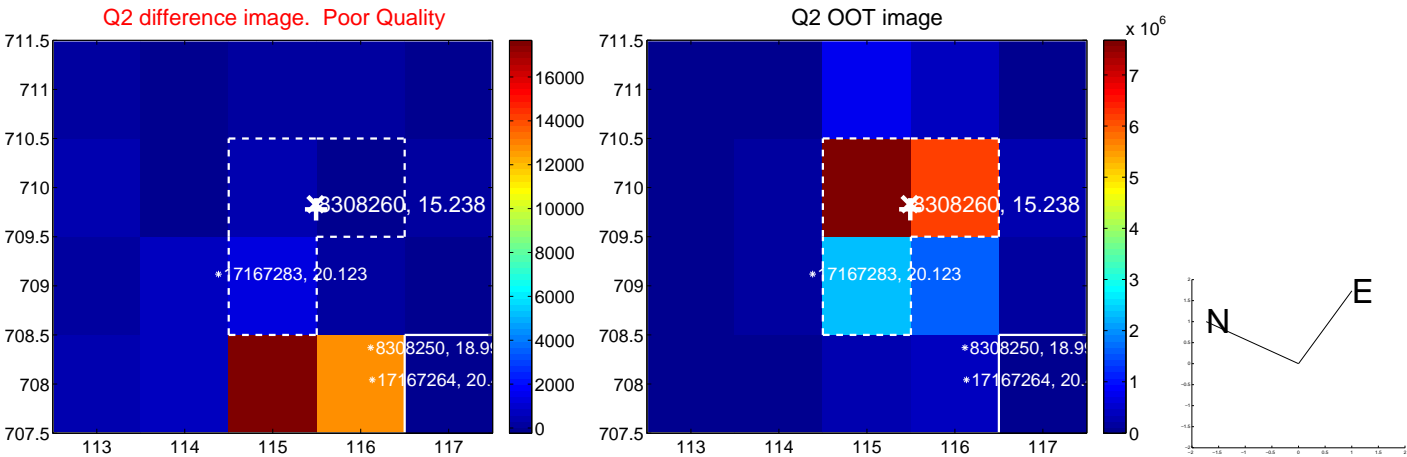
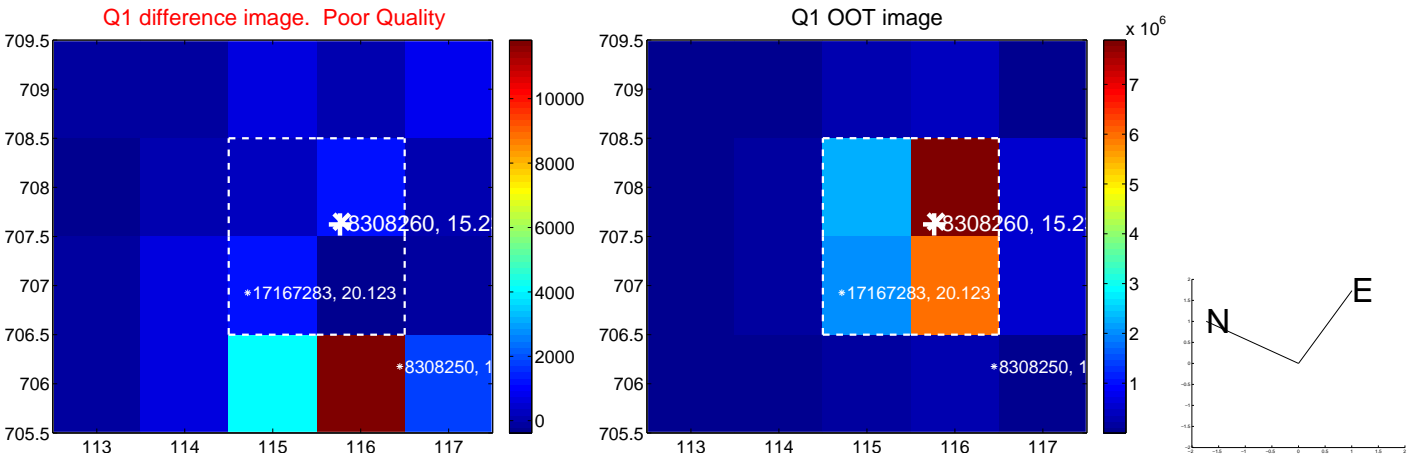
There is no PRF-fit offset from OOT-fit

There is no PRF-fit offset from KIC

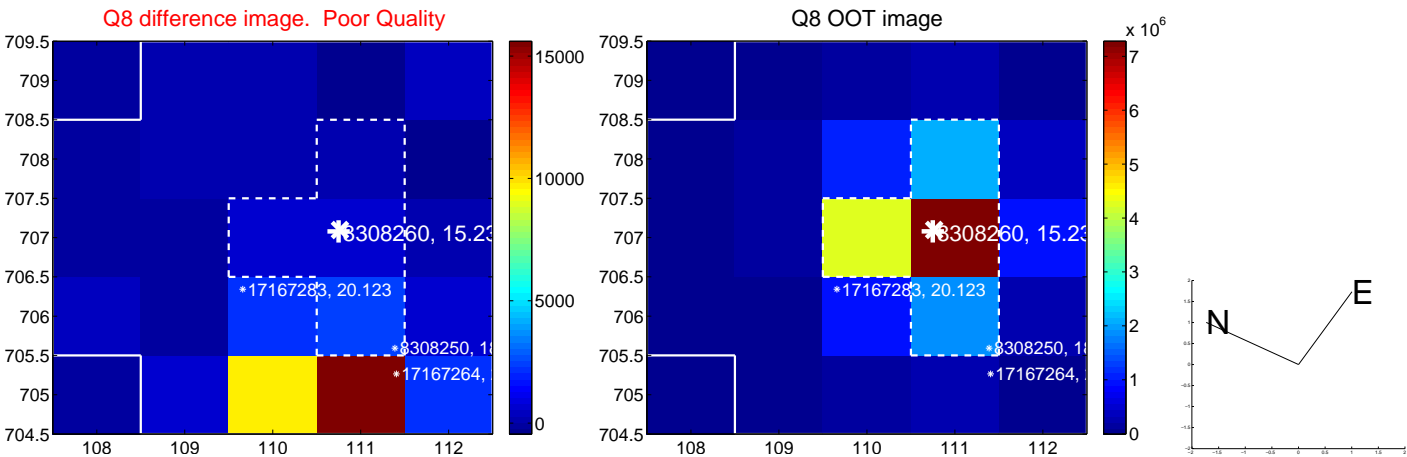
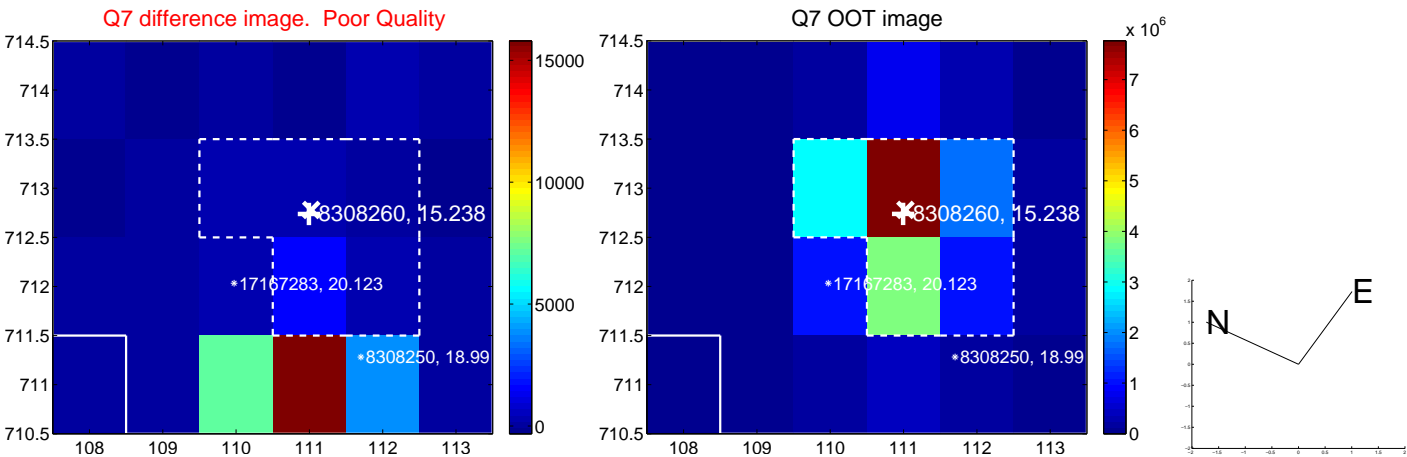
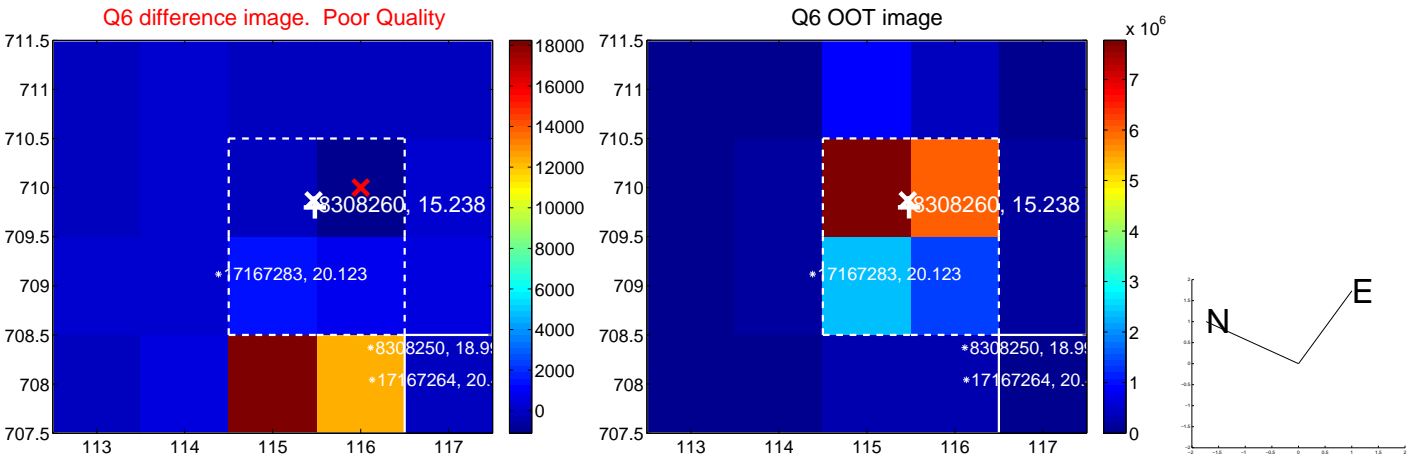
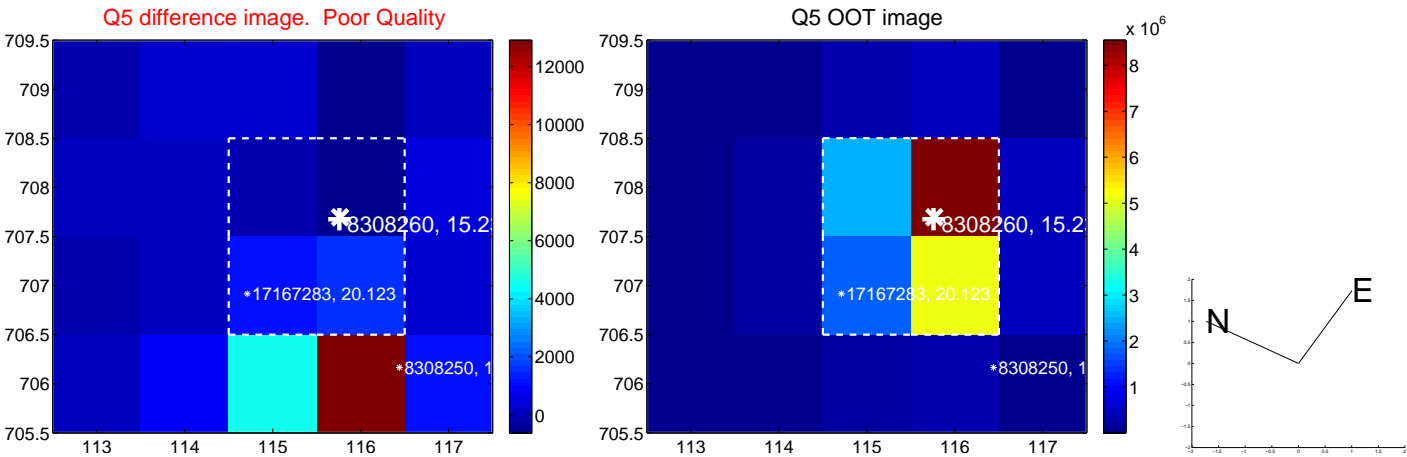


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

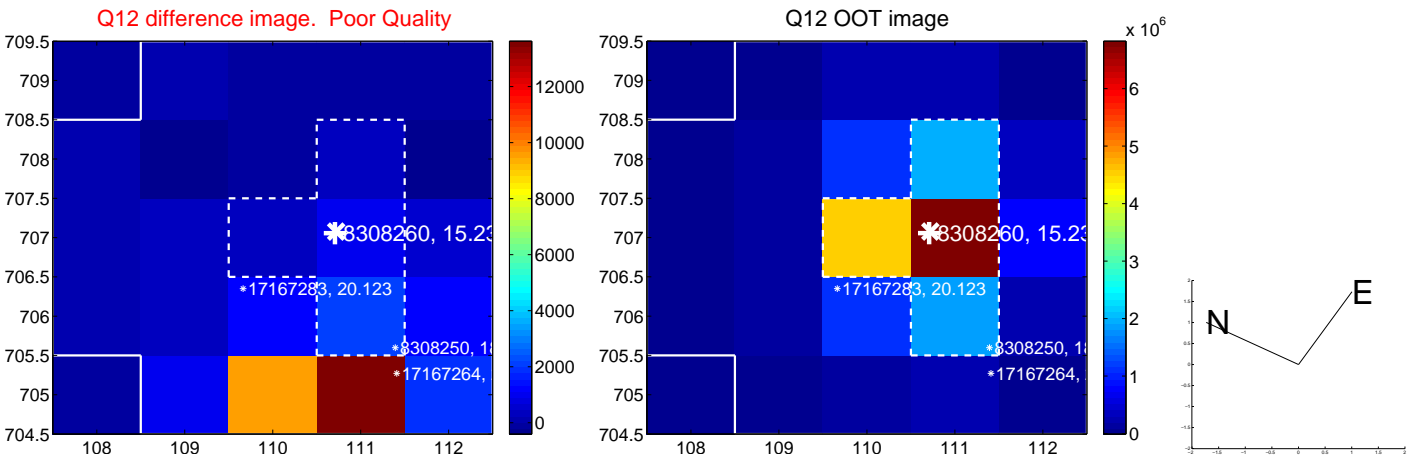
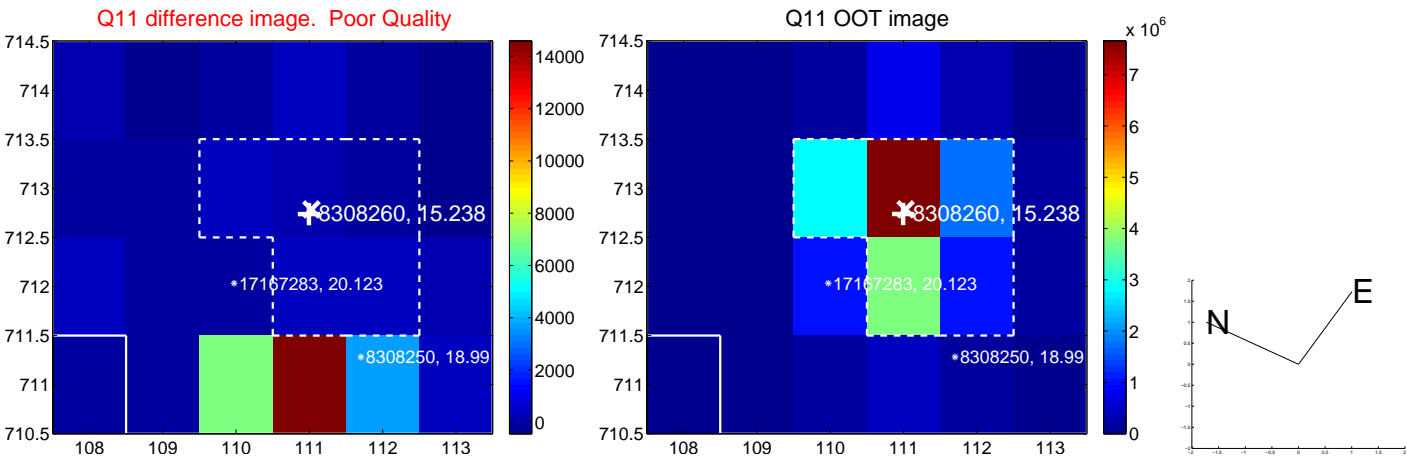
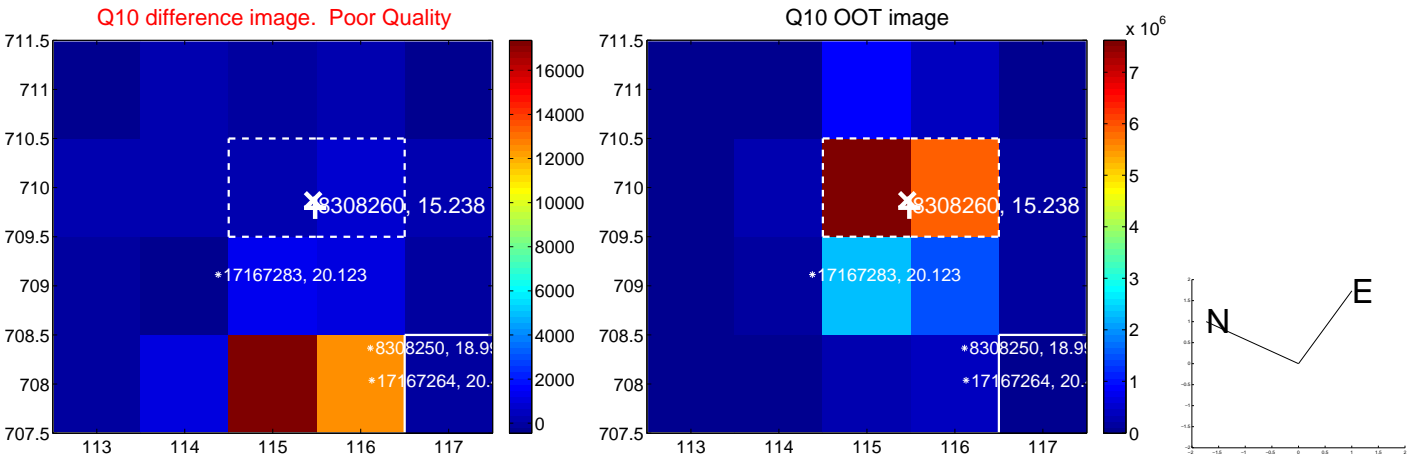
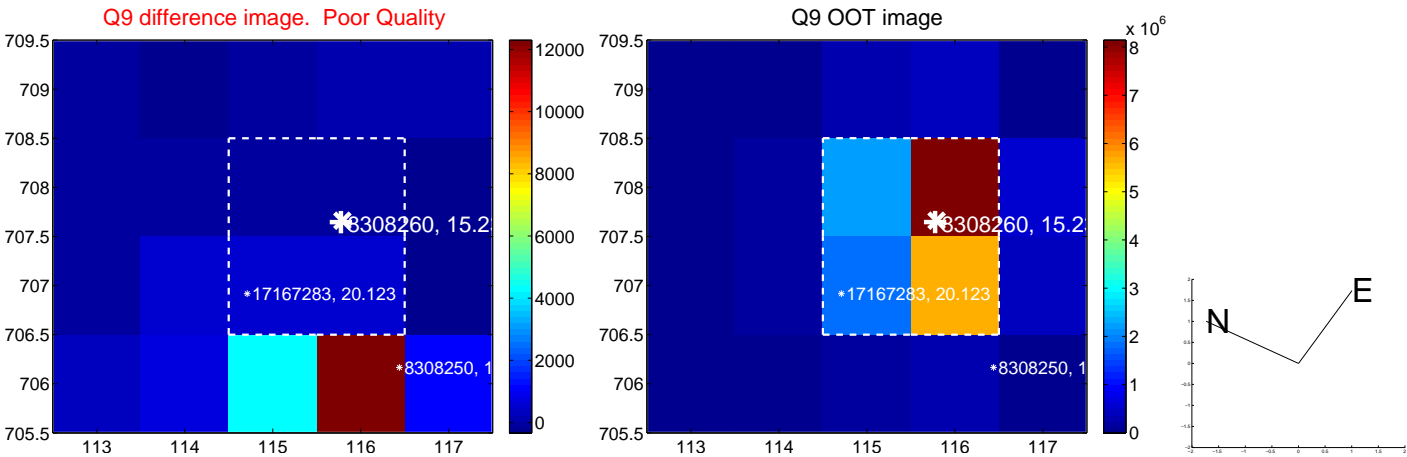
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.



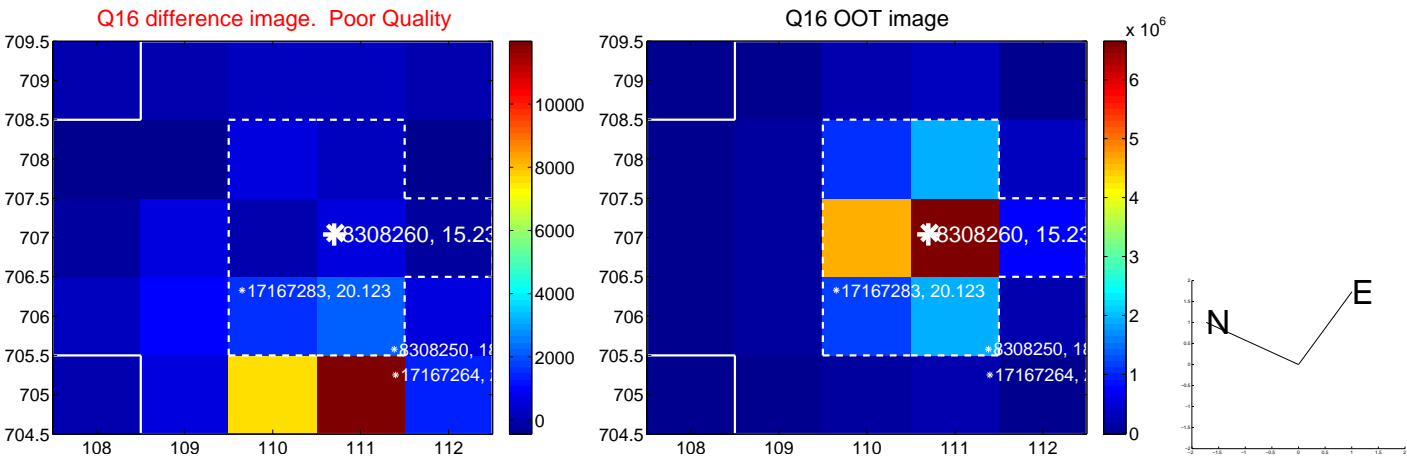
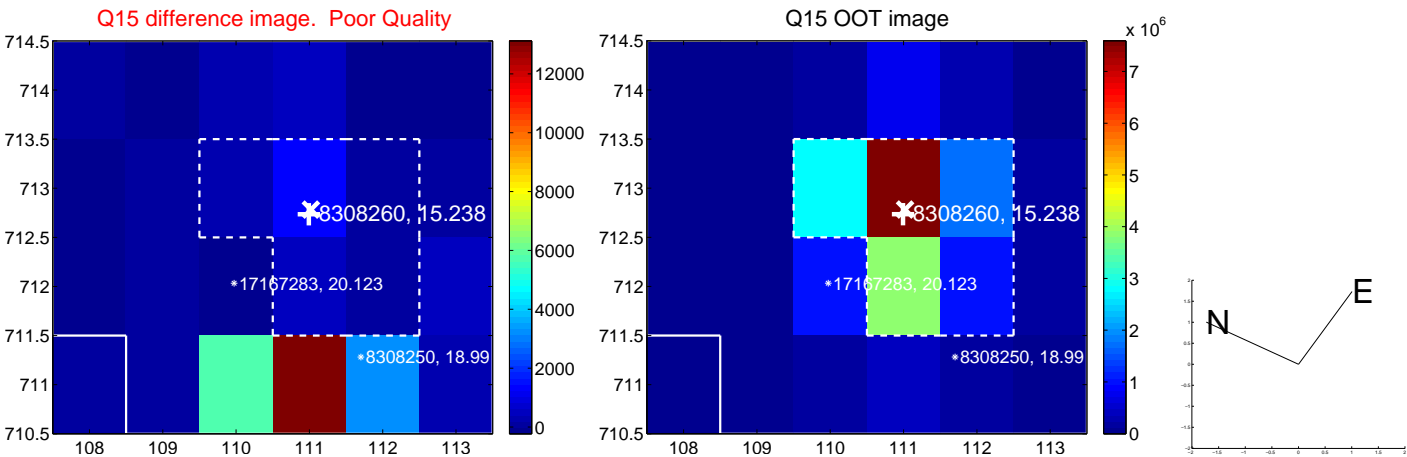
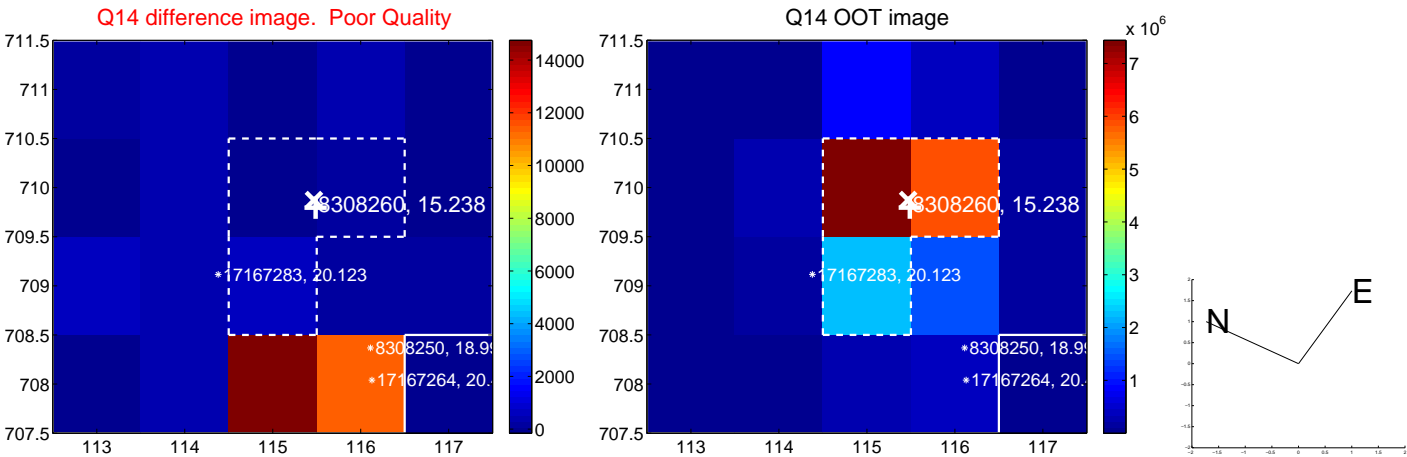
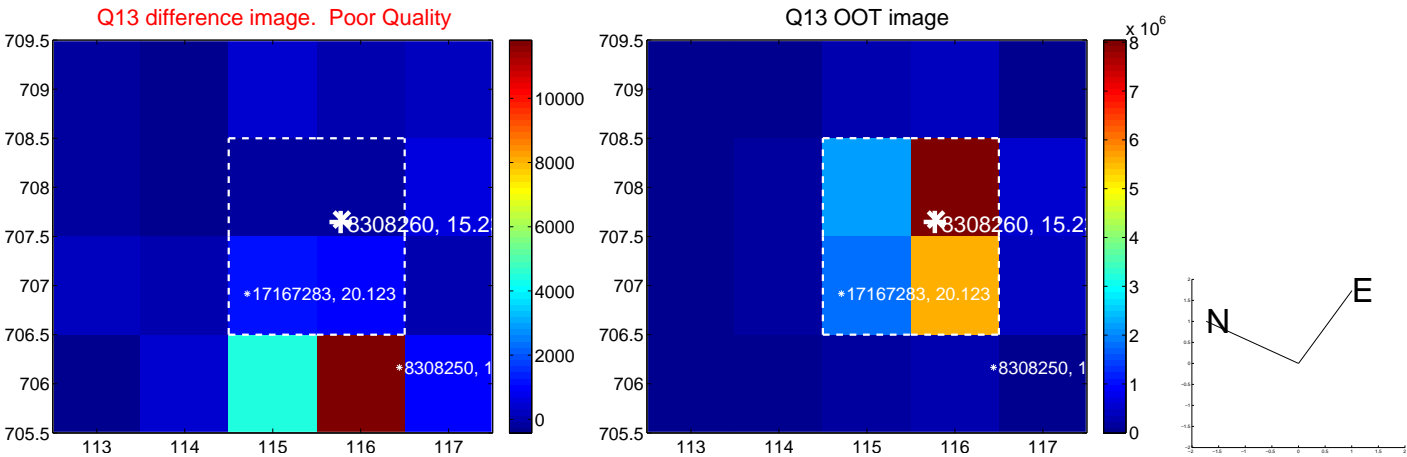
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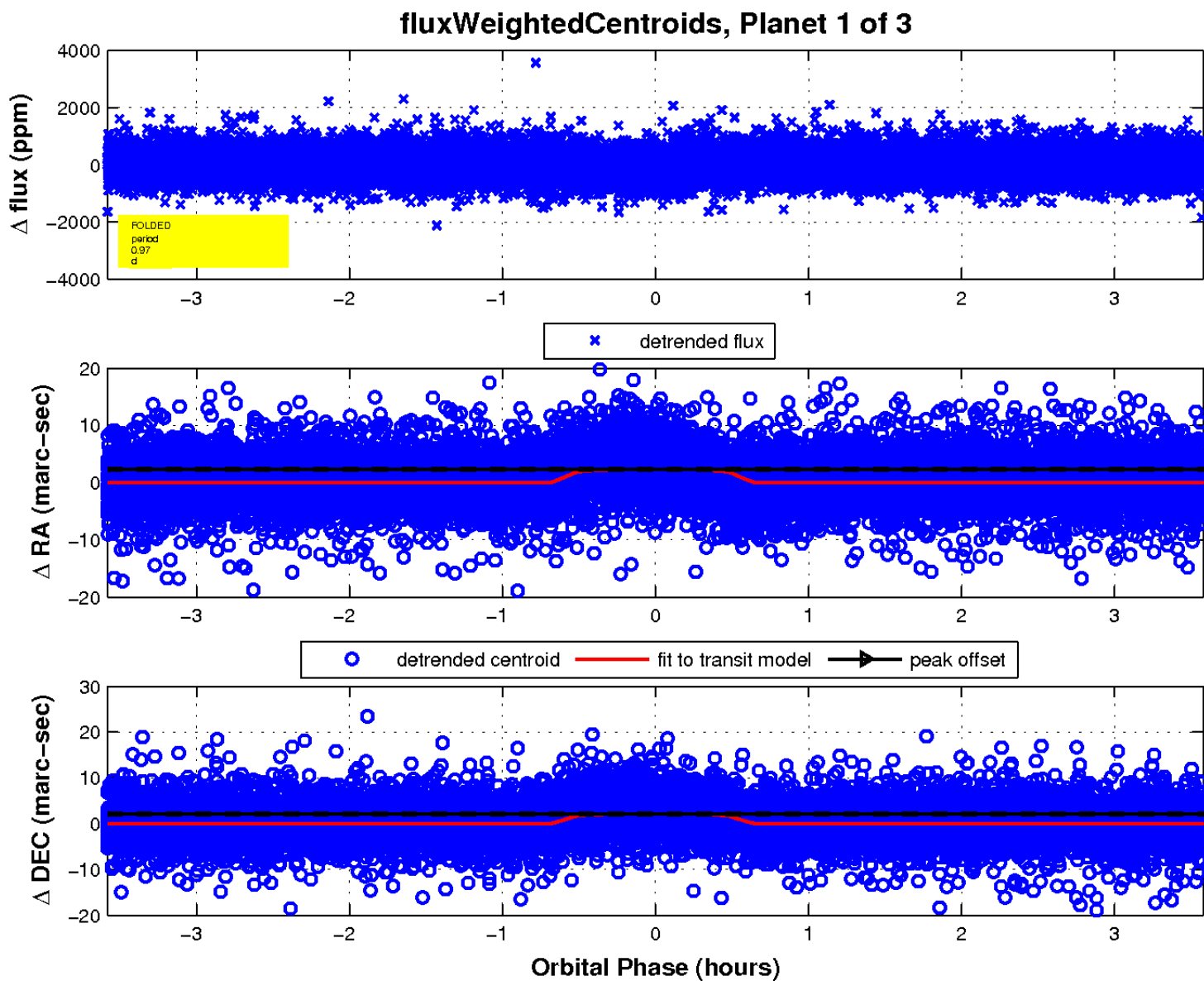
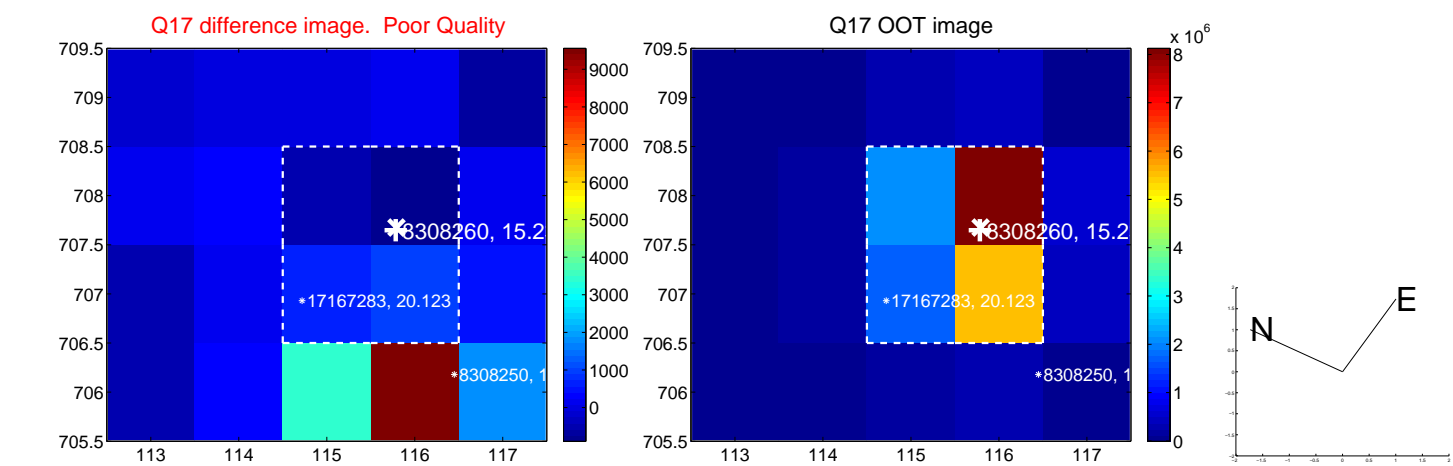
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

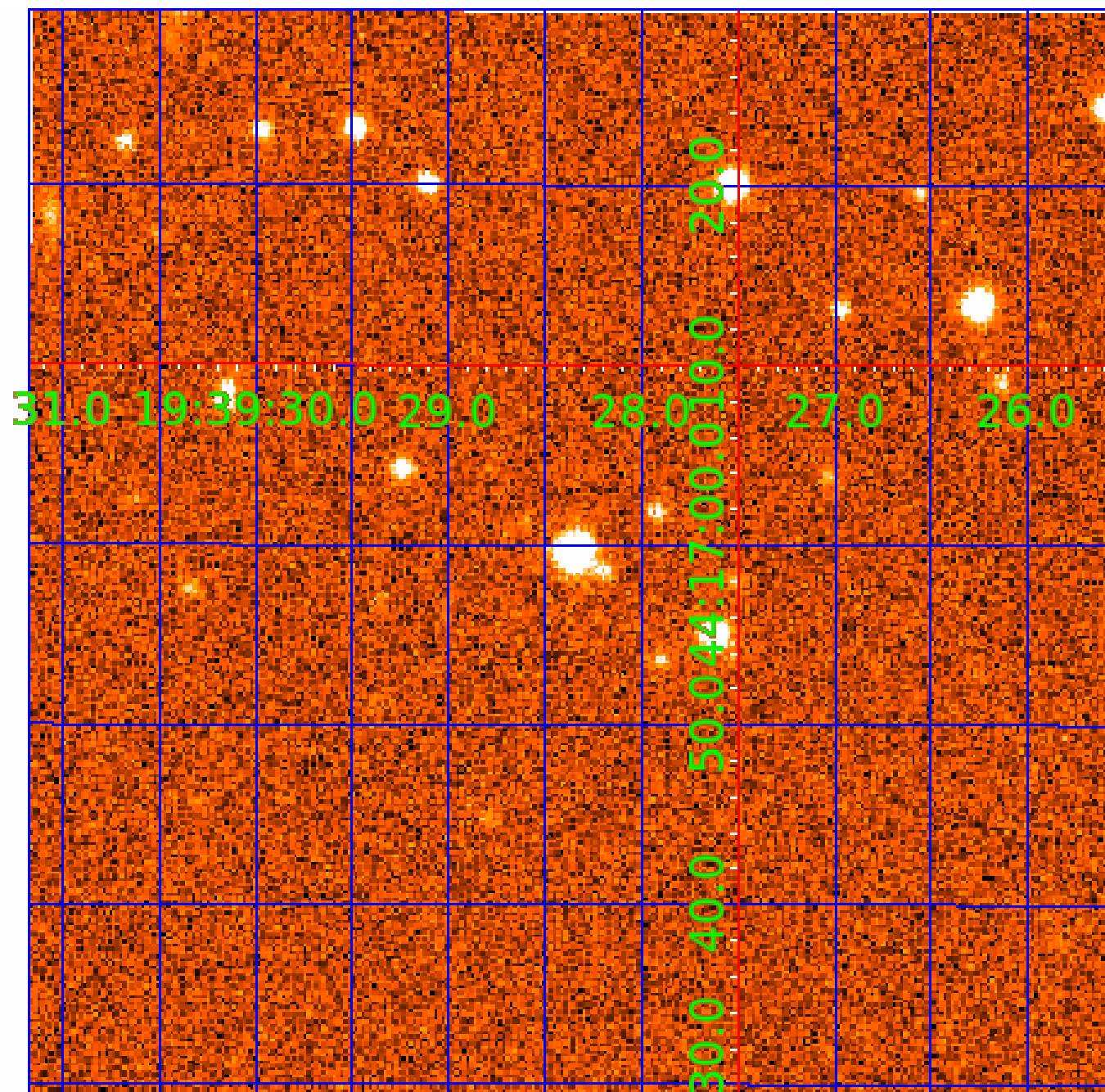


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 008308260

Q1-17 DR25 TCE Parameters

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008308260-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_MARSHALL_SKYE—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—INCONSISTENT_TRANS
008308260-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL_SKYE—ALL_TRANS_CHASES—CENT_FEW_DIFFS

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 008308260-02

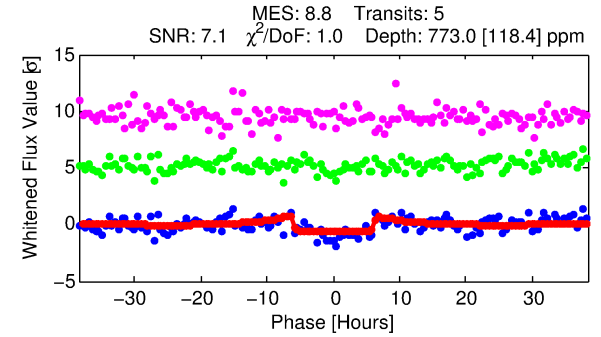
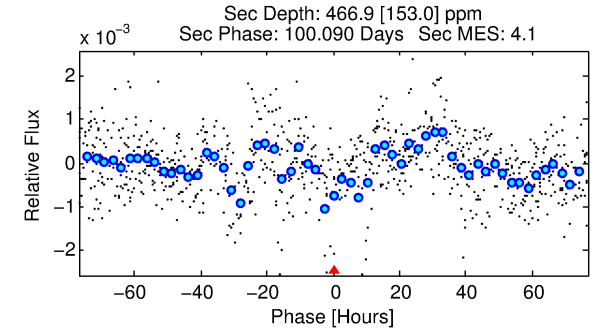
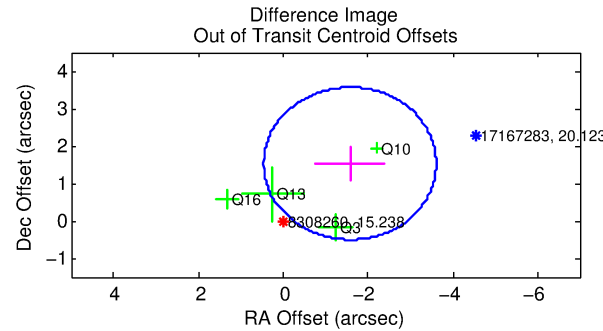
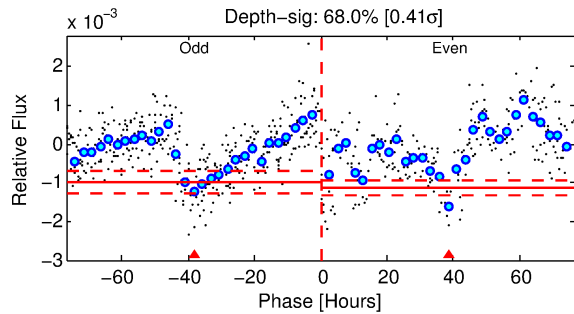
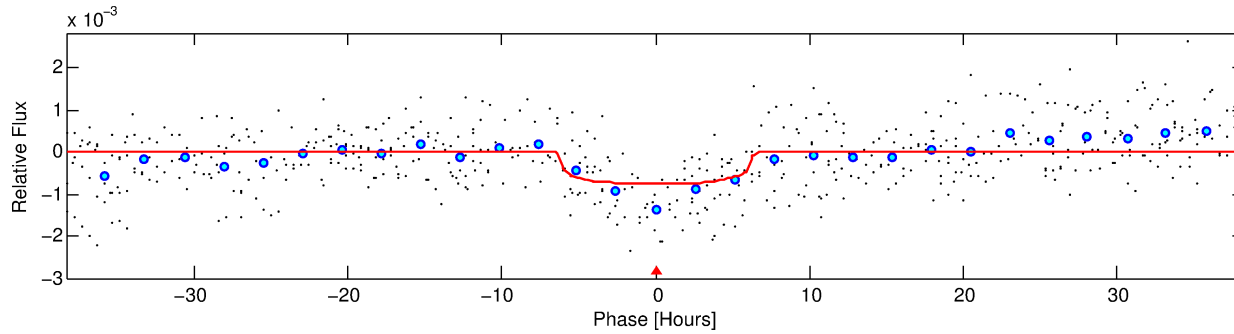
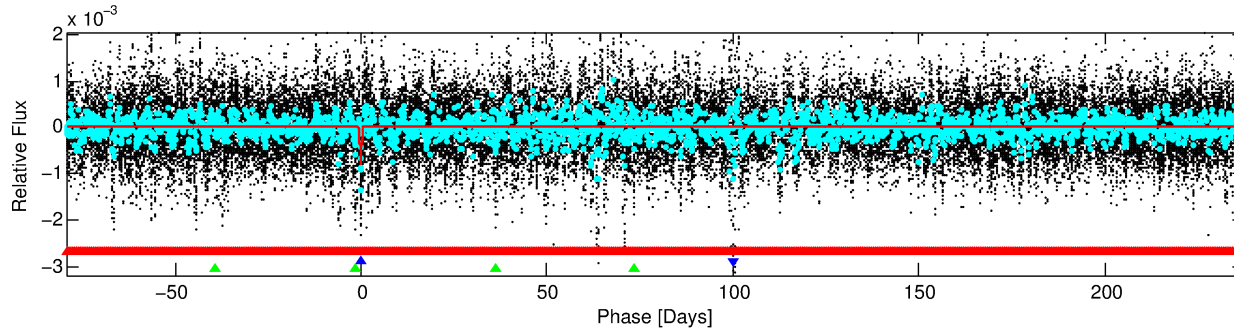
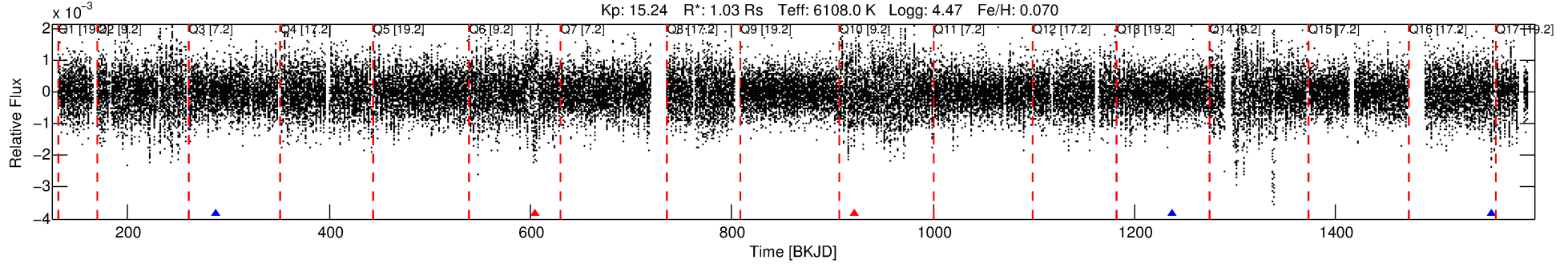
No Significant Match Found

DV One-Page Summary

KIC: 8308260 Candidate: 2 of 3 Period: 316.599 d

KOI: K04436 Corr: No Ephemeris Match

Kp: 15.24 R*: 1.03 Rs Teff: 6108.0 K Logg: 4.47 Fe/H: 0.070



DV Fit Results:

Period = 316.59852 [0.00594] d
Epoch = 287.9956 [0.0145] BKJD
Rp/R* = 0.0260 [0.0117]
a/R* = 172.60 [356.29]
b = 0.47 [3.45]
Seff = 1.47 [0.61]
Teq = 281 [29] K
Rp = 2.93 [1.60] Re
a = 0.9475 [0.2492] AU
Ag = 26930.65 [27697.27] [0.97σ]
Teffp = 5564 [1346] K [3.92σ]

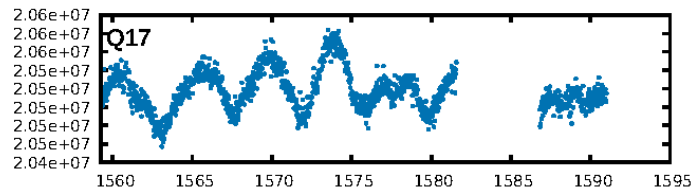
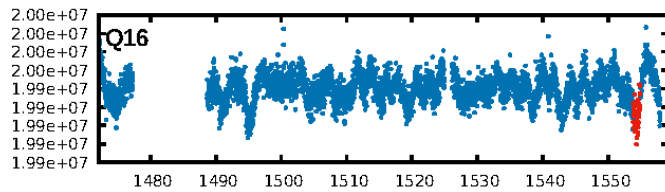
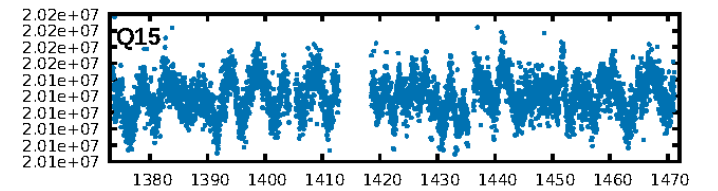
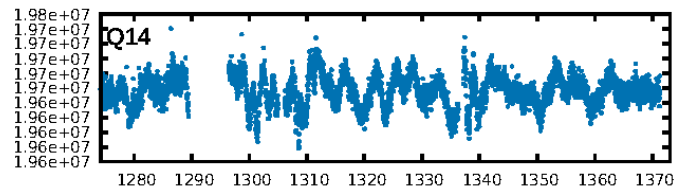
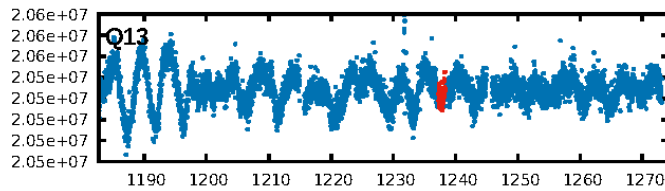
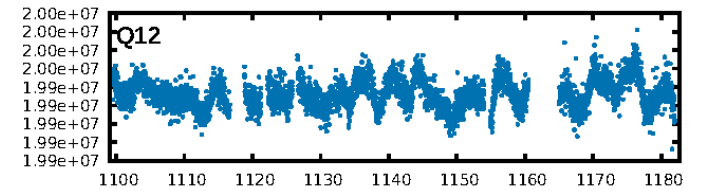
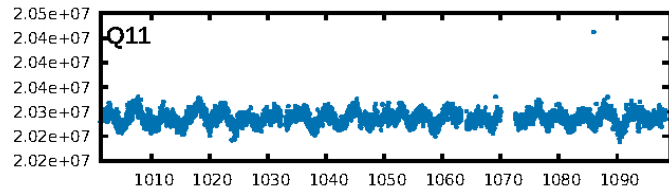
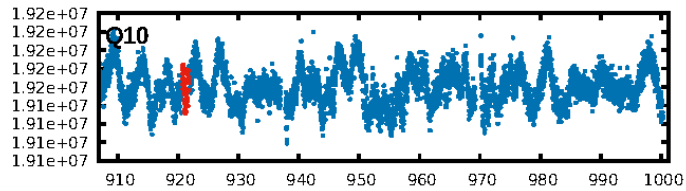
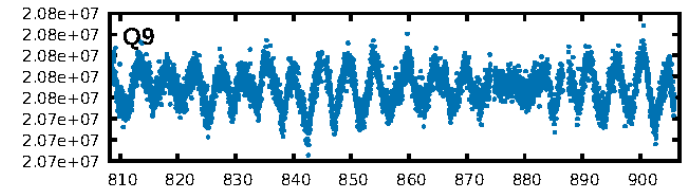
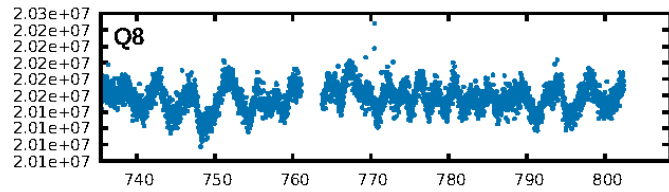
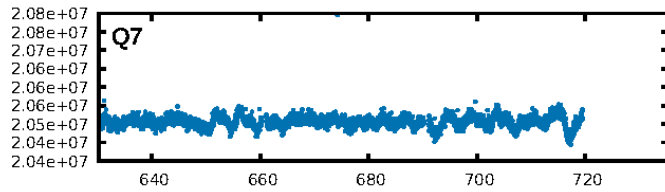
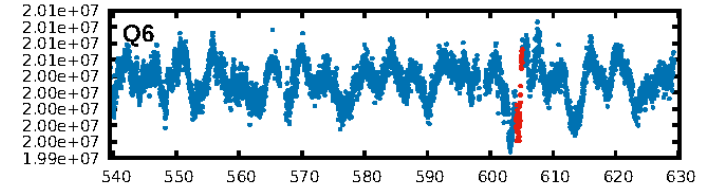
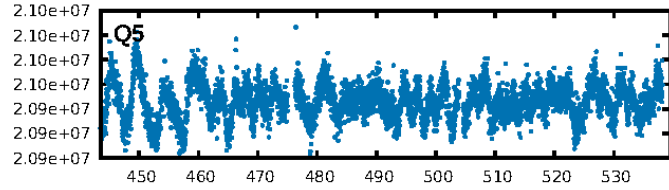
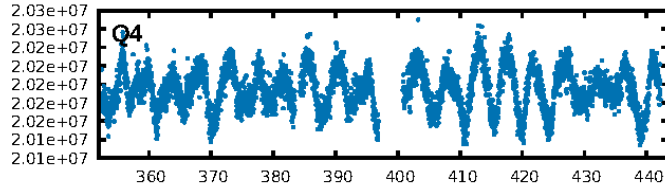
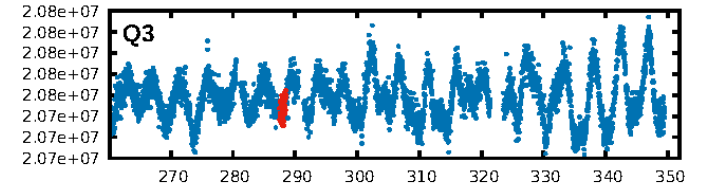
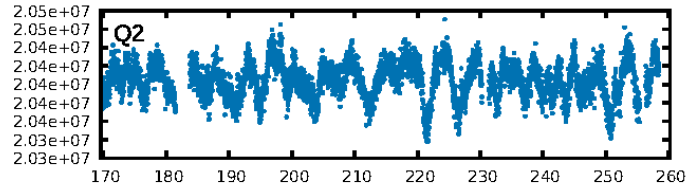
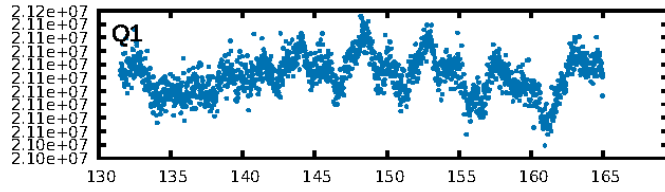
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [589.72σ]
LongPeriod-sig: 100.0% [56.28σ]
ModelChiSquare2-sig: 0.1%
ModelChiSquareGof-sig: 99.9%
Bootstrap-pfa: 1.57e-11
RollingBand-fgt: 0.60 [3/5]
GhostDiagnostic-chr: 1.954
Centroid-sig: 91.5%
Centroid-so: 0.587 arcsec [0.41σ]
OotOffset-rm: 2.197 arcsec [3.24σ]
KicOffset-rm: 2.231 arcsec [3.14σ]
OotOffset-st: 1/1/1/1 [4]
KicOffset-st: 1/1/1/1 [4]
DiffImageQuality-fgm: 0.75 [3/4]
DiffImageOverlap-fno: 0.00 [0/5]

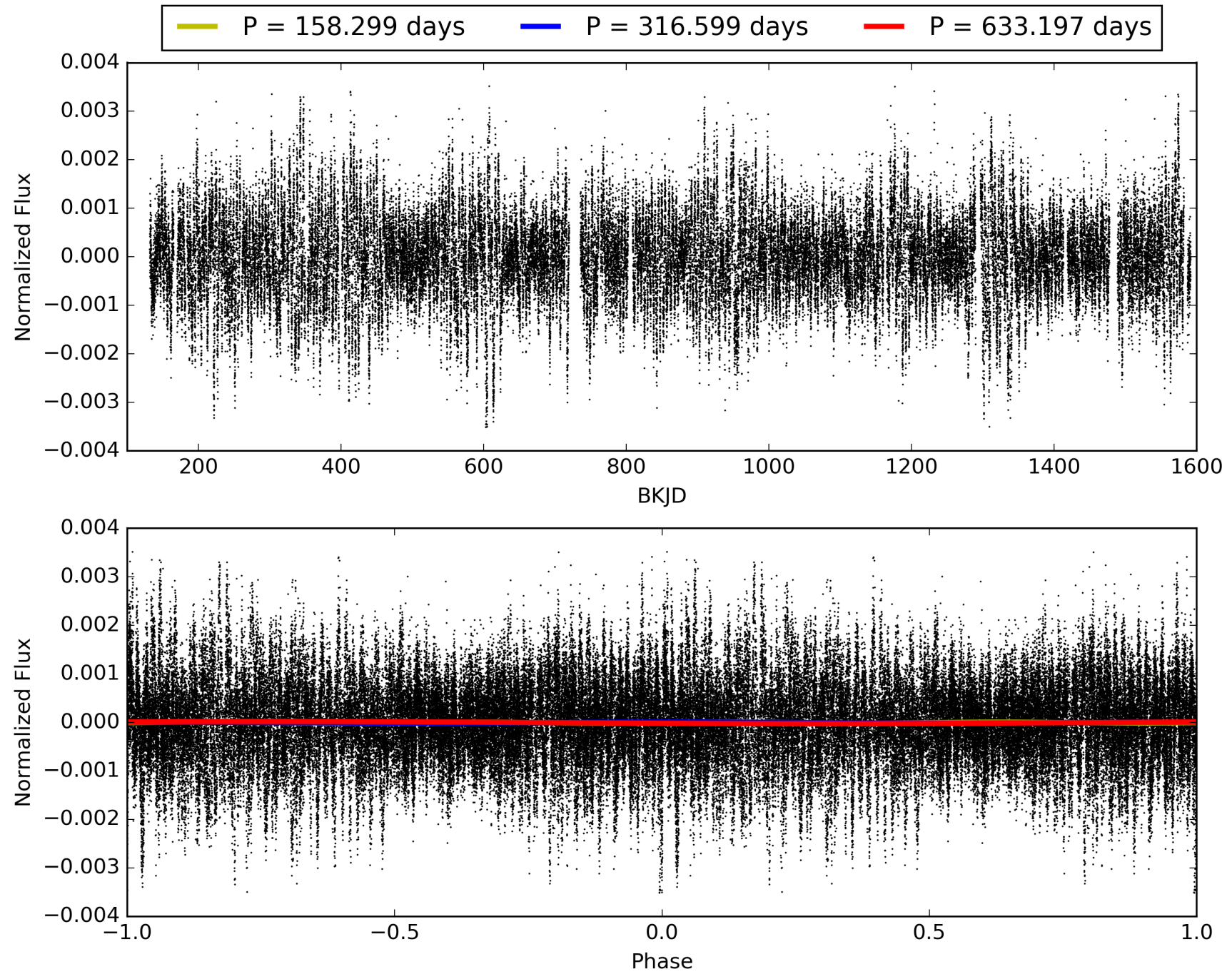
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 29-Jan-2016 13:33:54 Z

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

TCE 008308260-02, PDC Light Curves

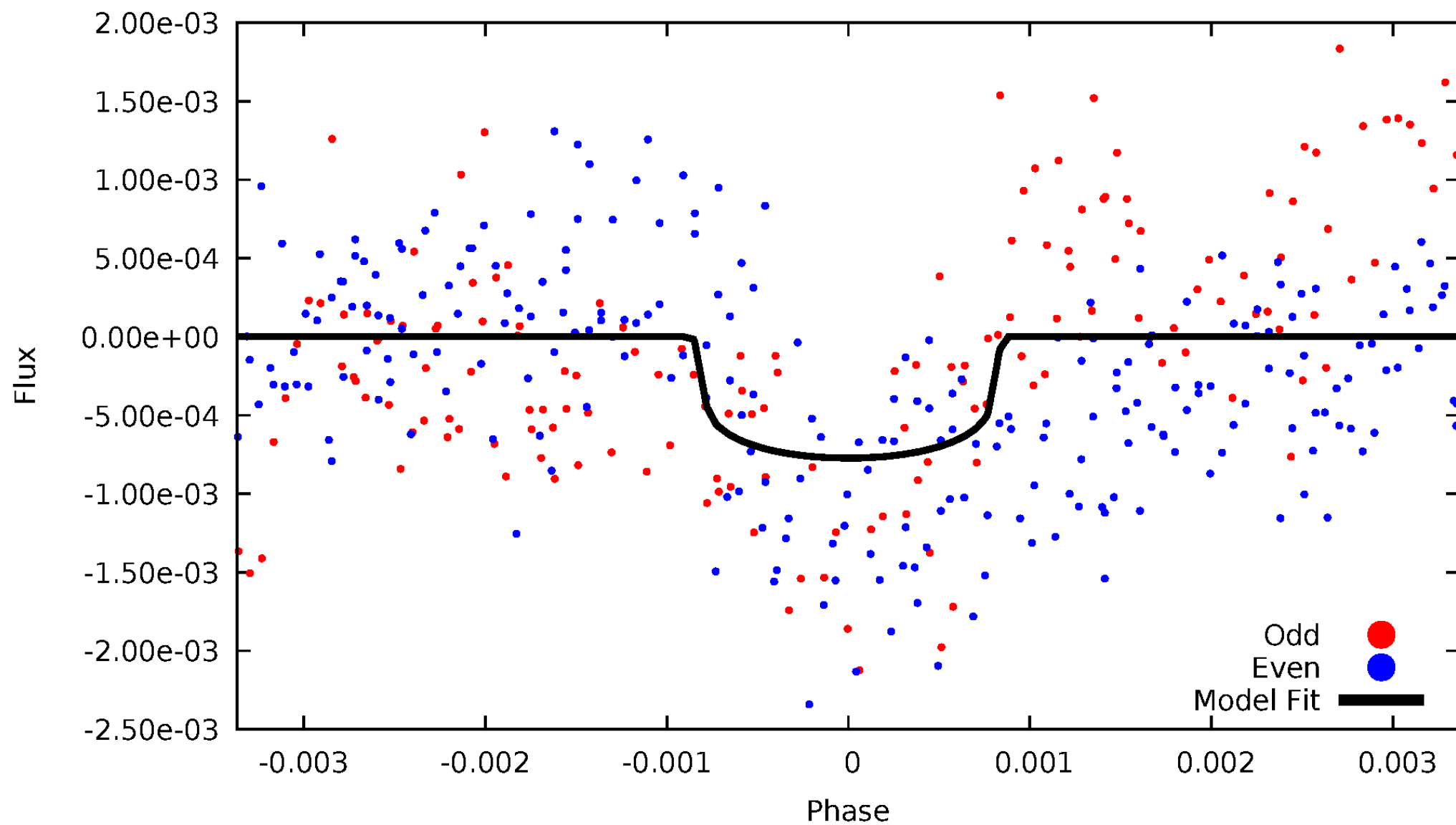


TCE 008308260-02



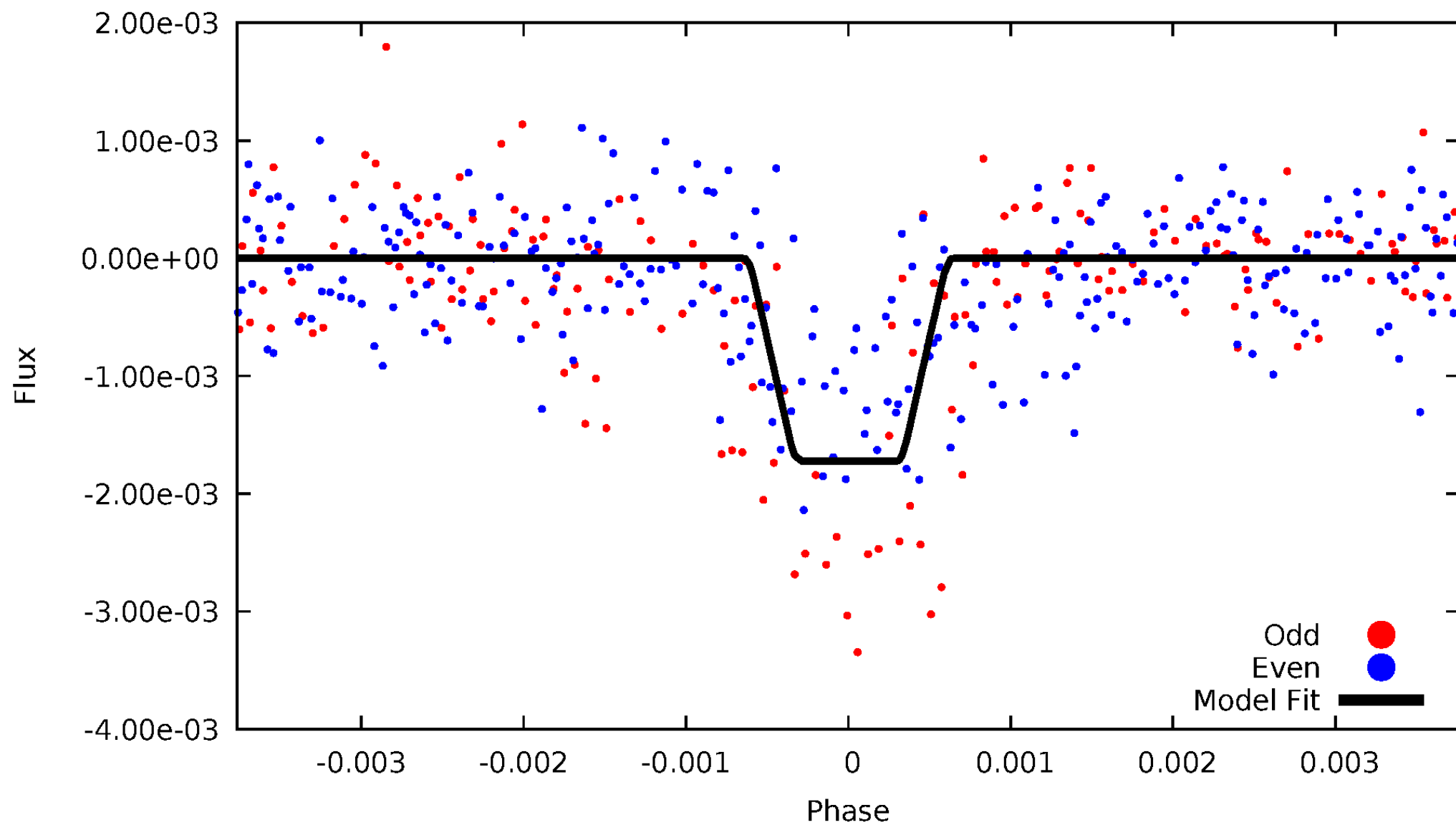
DV Odd/Even

TCE 008308260-02



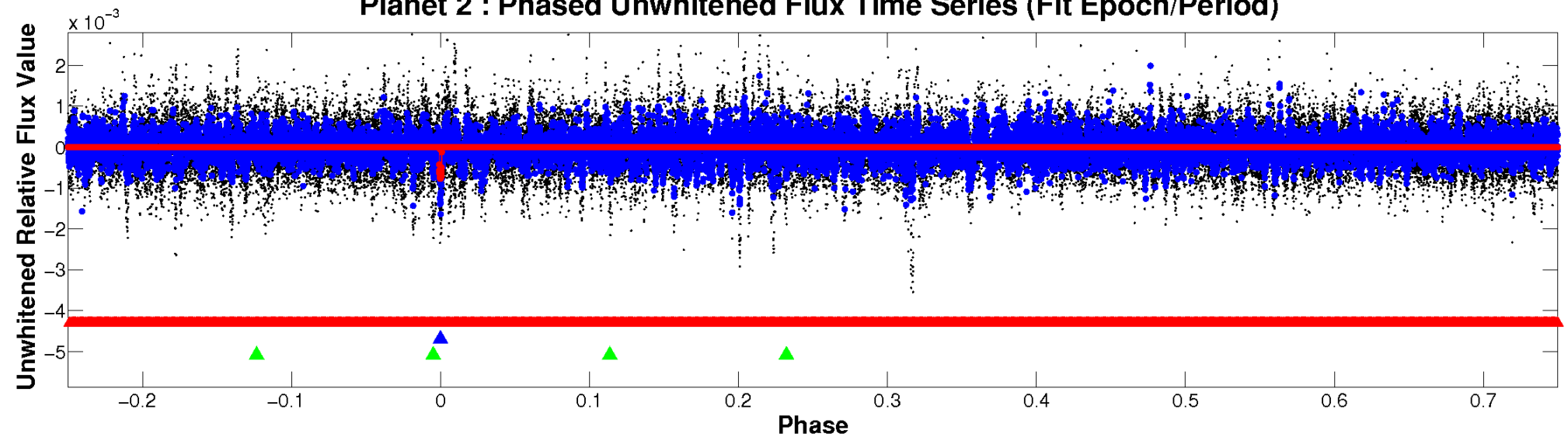
ALT Odd/Even

TCE 008308260-02

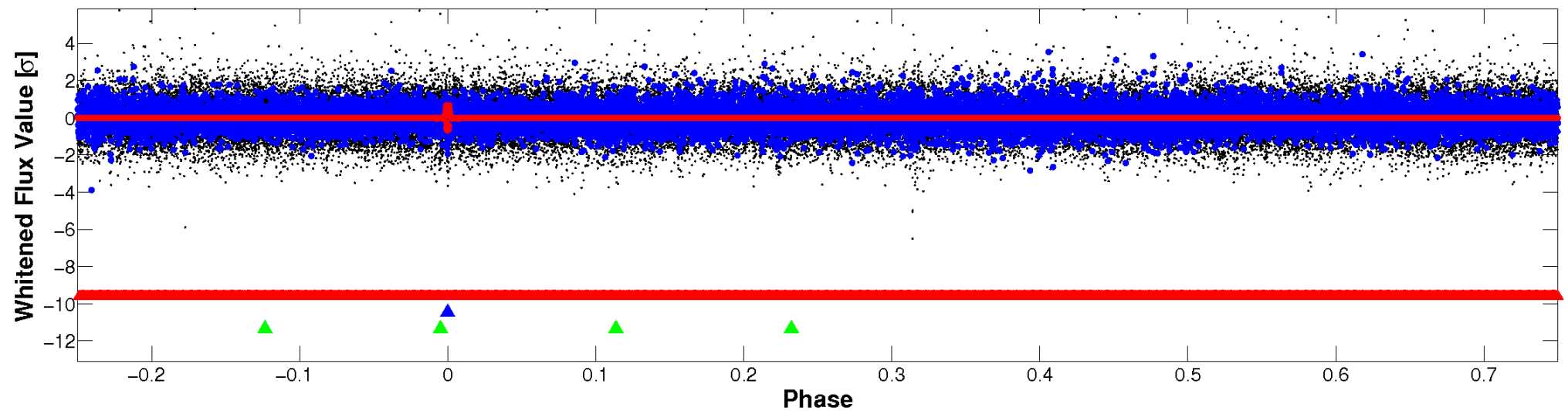


Non-Whitened Vs. Whitened Light Curve

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

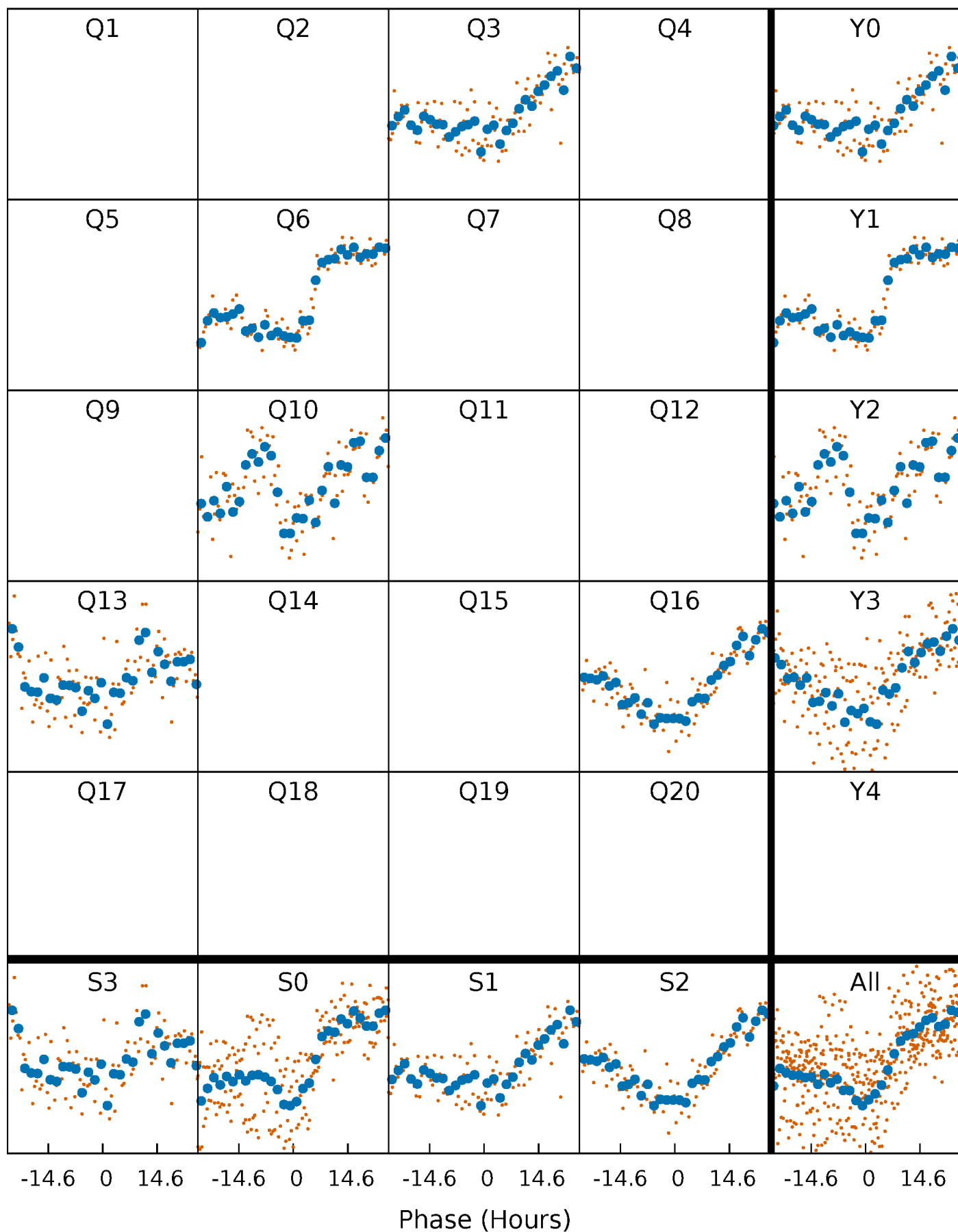


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



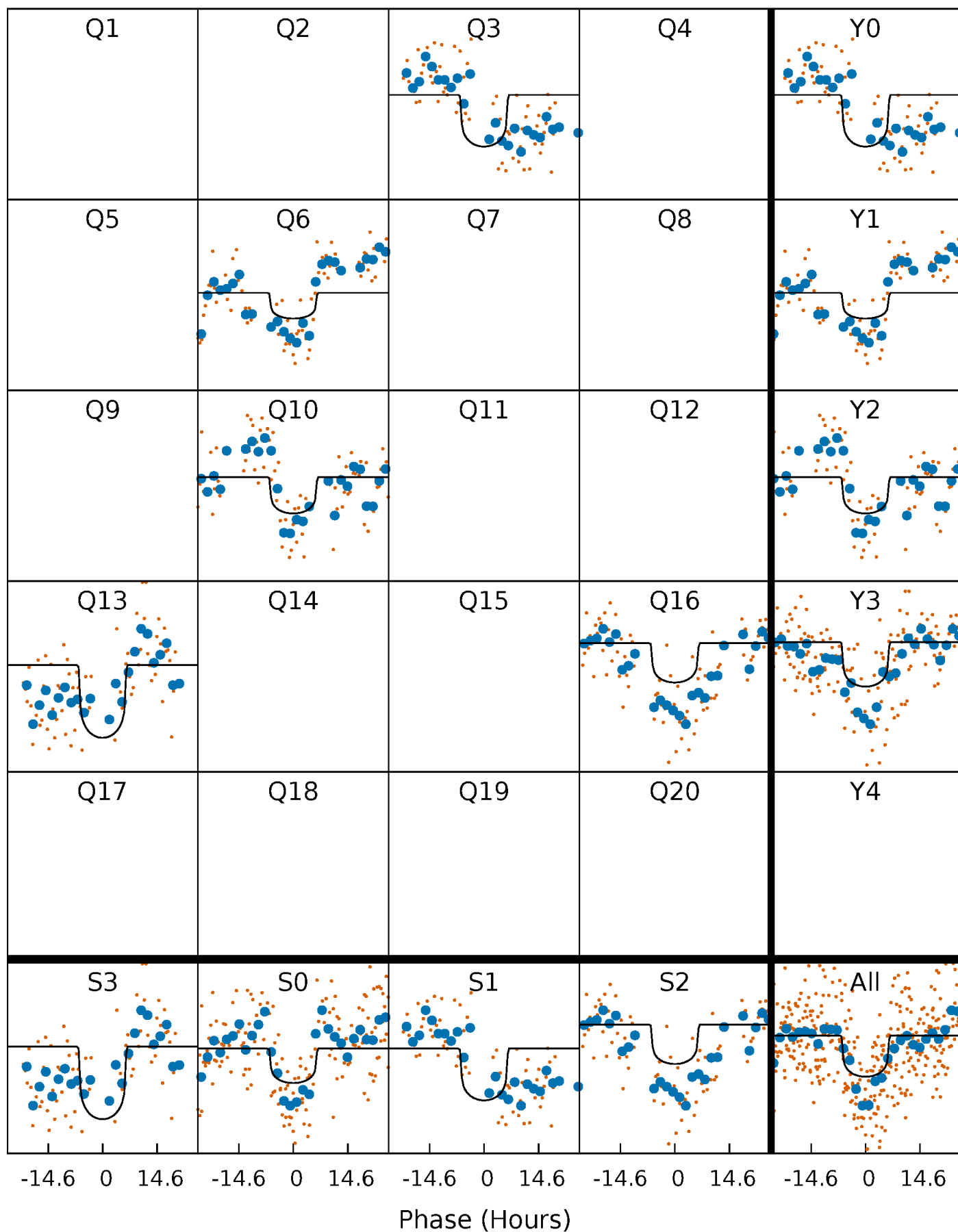
PDC Quarter-Phased Transit Curves

TCE 008308260-02 $P=316.598519$ Days $T_0=287.995571$ (BKJD)



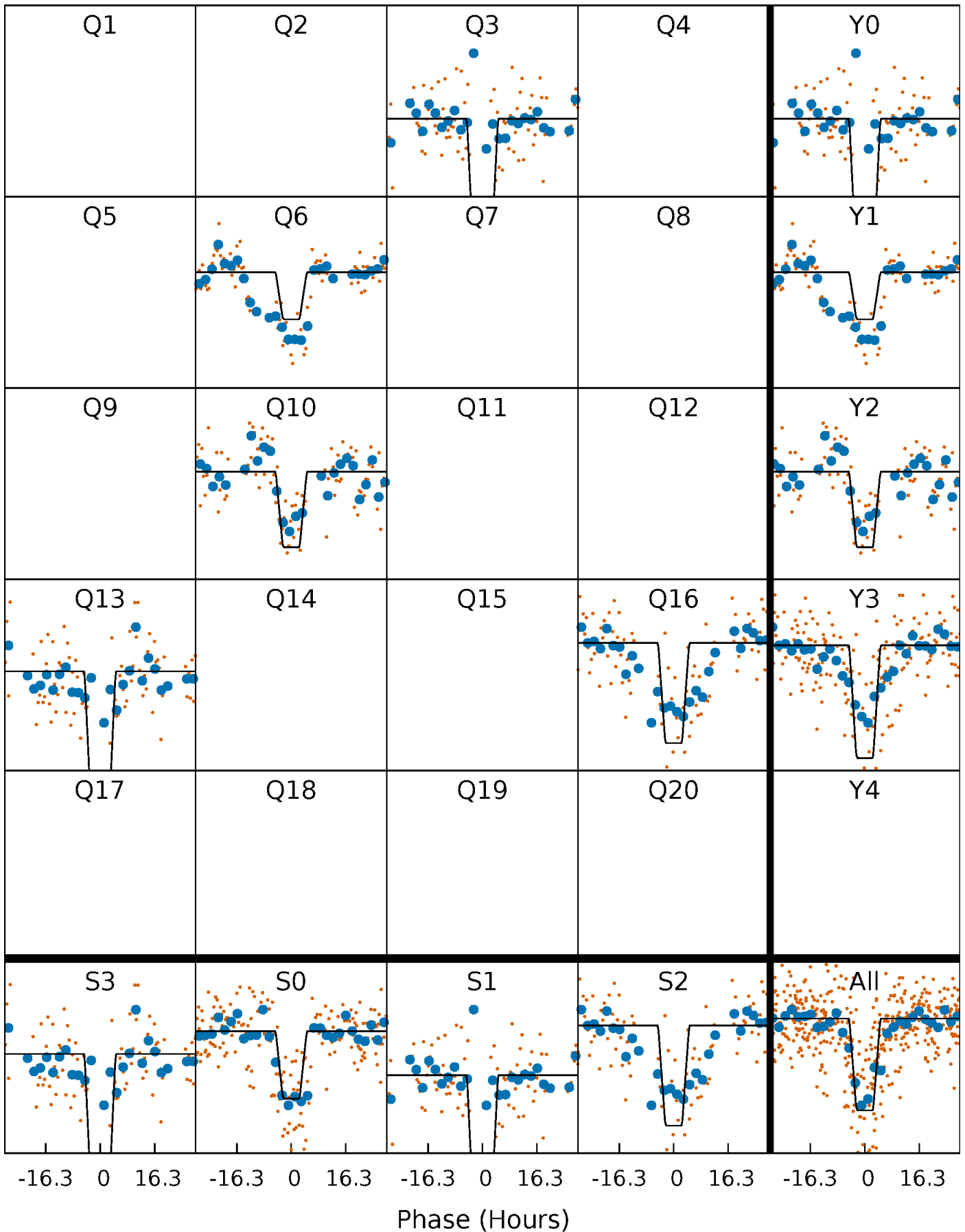
DV Quarter-Phased Transit Curves

TCE 008308260-02 $P=316.598519$ Days $T_0=287.995571$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

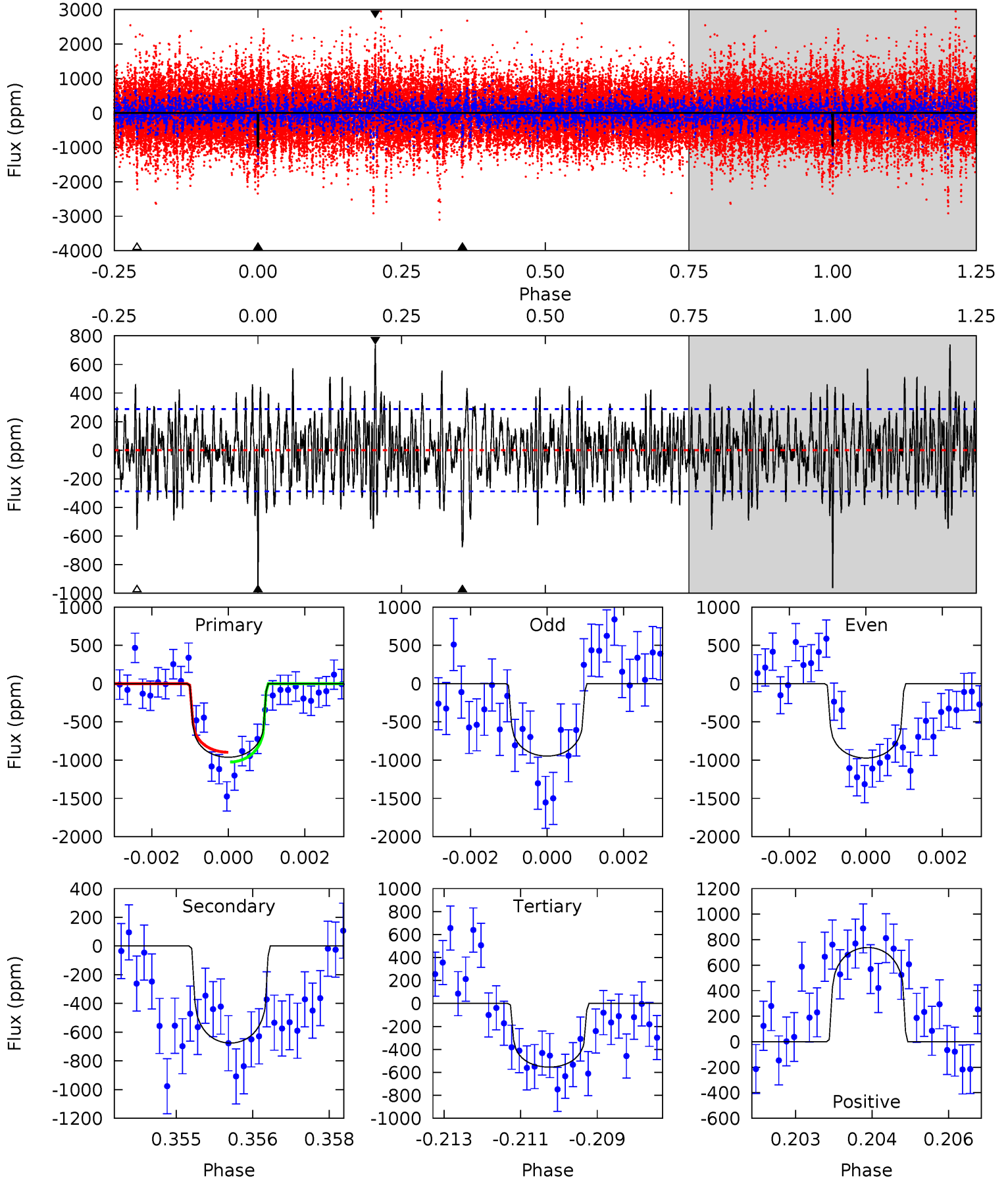
TCE 008308260-02 P=316.604390 Days $T_0=287.990782$ (BKJD)



DV Model-Shift Uniqueness Test

008308260-02, P = 316.598519 Days, E = 287.995571 Days

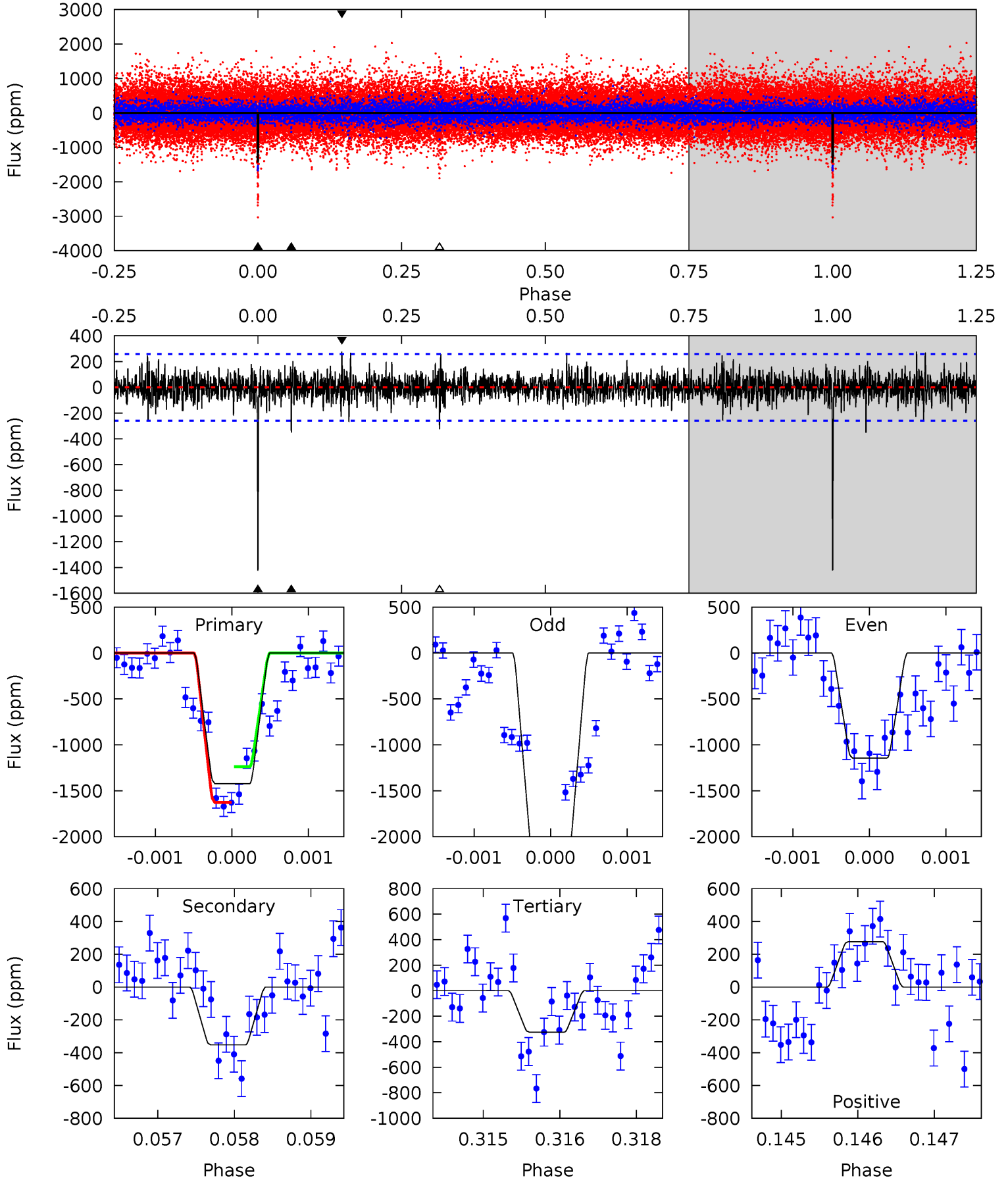
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
17.9	12.6	10.3	13.7	5.36	3.14	3.36	7.60	4.17	2.26	-1.16	0.23	1.02	0.43	1.20



Alt Model-Shift Uniqueness Test

008308260-02, P = 316.604390 Days, E = 287.990782 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
29.7	7.36	6.79	5.76	5.41	3.22	1.45	22.9	24.0	0.57	1.60	10.6	0.88	0.16	4.06



Stellar Parameters For KIC 008308260

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	M (M_{\odot})	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	6108^{+172}_{-236}	$4.466^{+0.052}_{-0.208}$	$0.070^{+0.250}_{-0.300}$	$1.030^{+0.323}_{-0.108}$	$1.132^{+0.141}_{-0.141}$	$1.457^{+0.318}_{-0.804}$
	+3%/-4%	+1%/-5%	+357%/-429%	+31%/-10%	+12%/-12%	+22%/-55%
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 008308260-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-676 ± 54	$3.19^{+1.41}_{-1.40}$	400^{+28}_{-21}	5958^{+2365}_{-893}	32629^{+73813}_{-16786}
Alt.	-353 ± 48	$4.92^{+1.50}_{-1.43}$	400^{+30}_{-21}	4305^{+641}_{-386}	6997^{+7263}_{-2944}

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 $A_{obs} \gg 1.0$

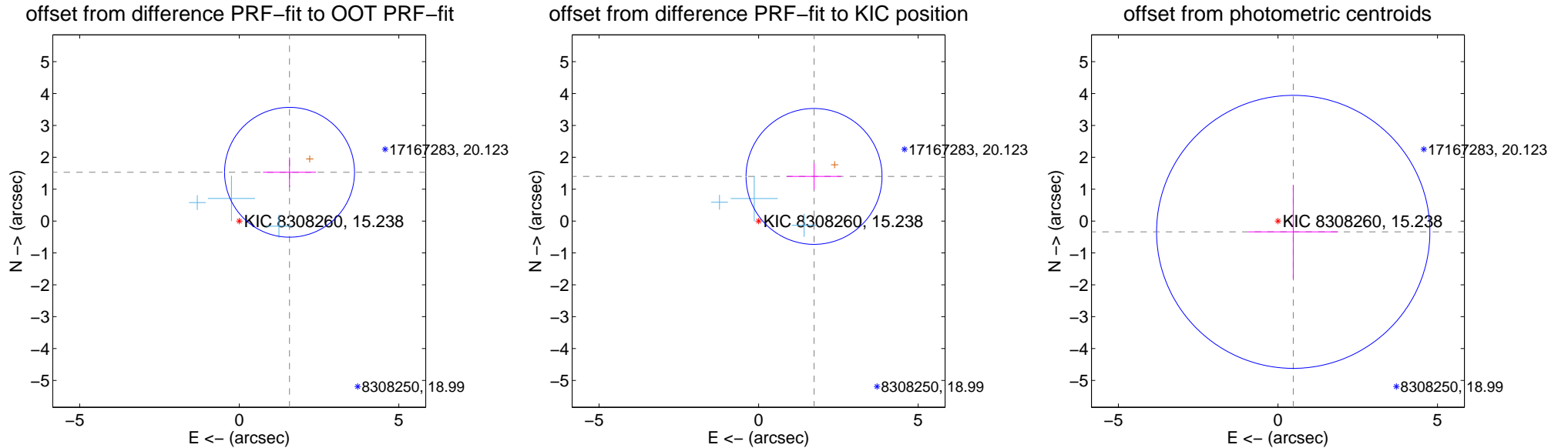
DV Centroid Data

Supplemental centroid analysis for 008308260-02. Kepler magnitude: 15.24. Transit SNR 7.11

There are 3 quarters with good PRF difference image offsets

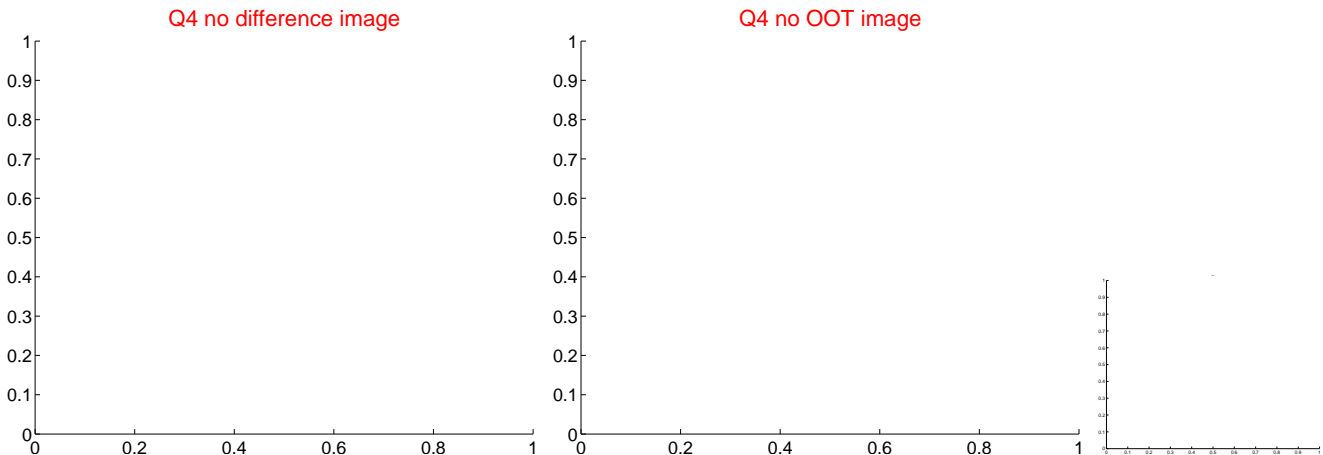
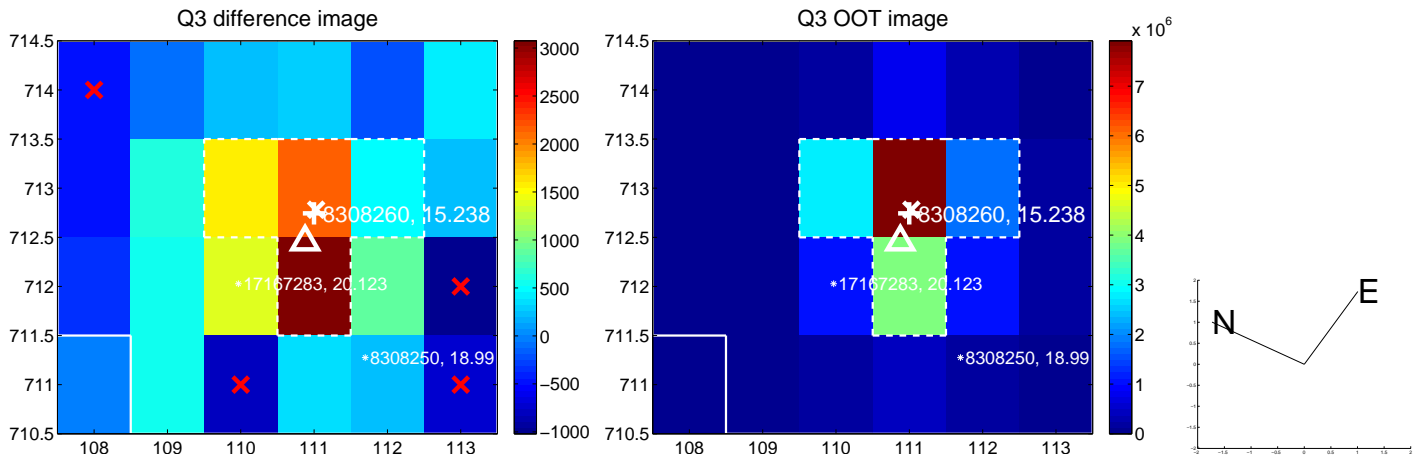
The direct PRF centroid is offset from the target star catalog position by about 0.09 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	2.197 ± 0.679	3.24	-1.576 ± 0.830	1.530 ± 0.468
PRF-fit source offset from KIC position	2.231 ± 0.711	3.14	-1.737 ± 0.850	1.401 ± 0.412
photometric centroid source offset	0.59 ± 1.43	0.41	-0.48 ± 1.41	-0.34 ± 1.47

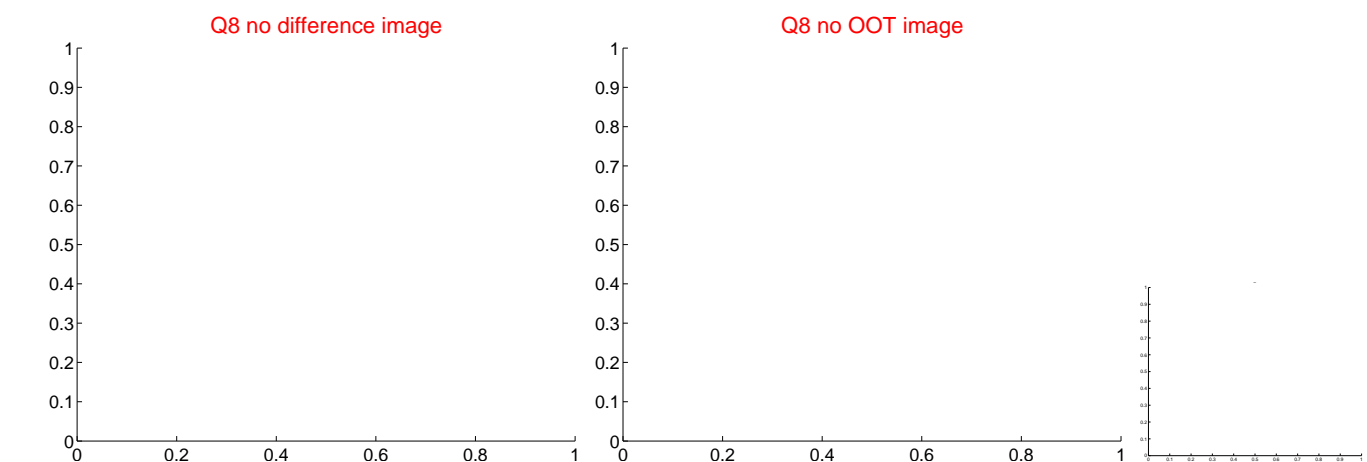
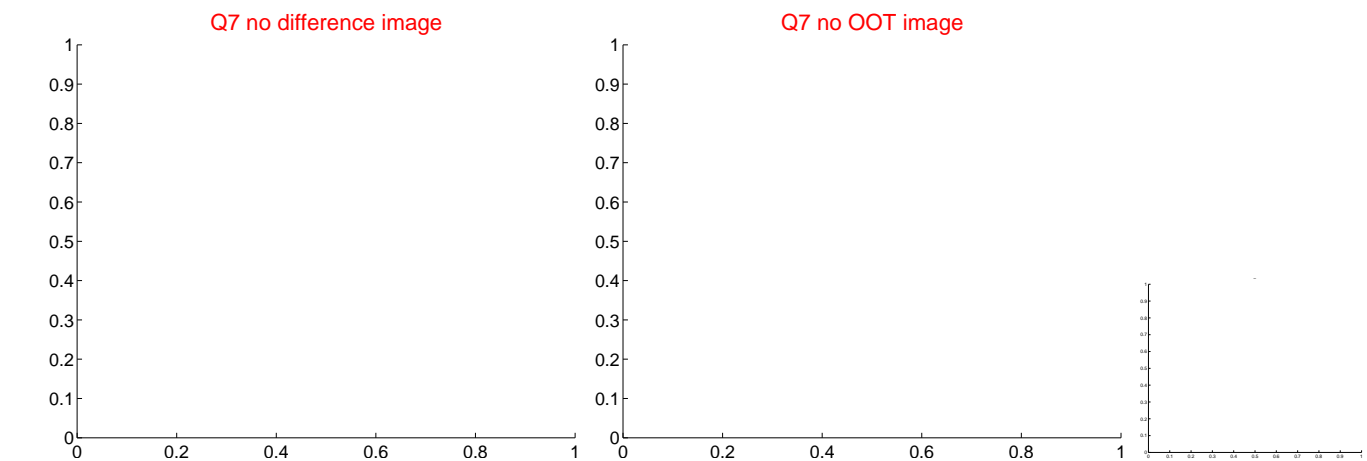
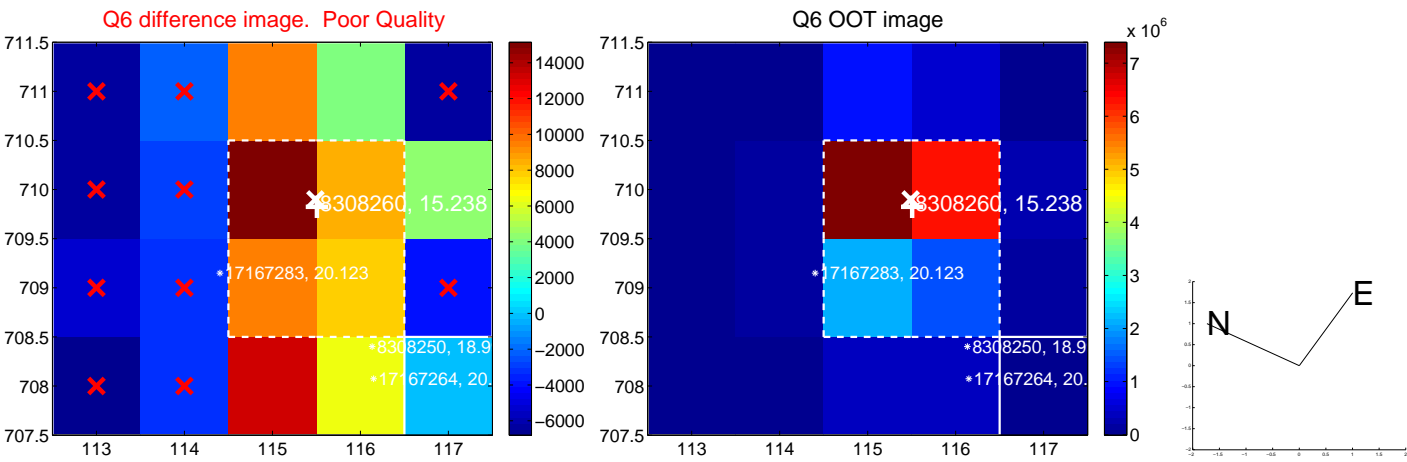
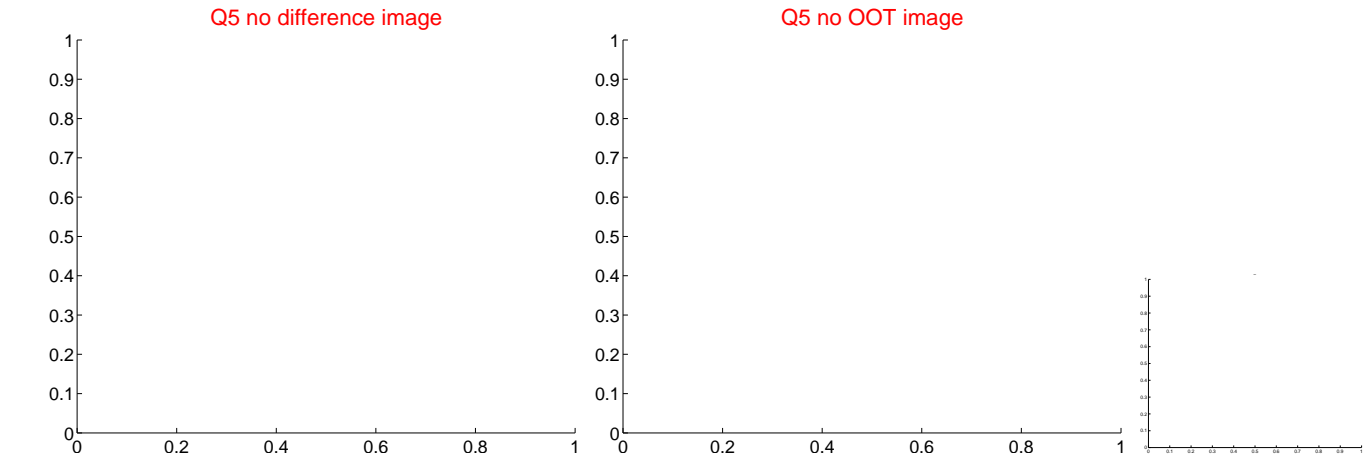


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

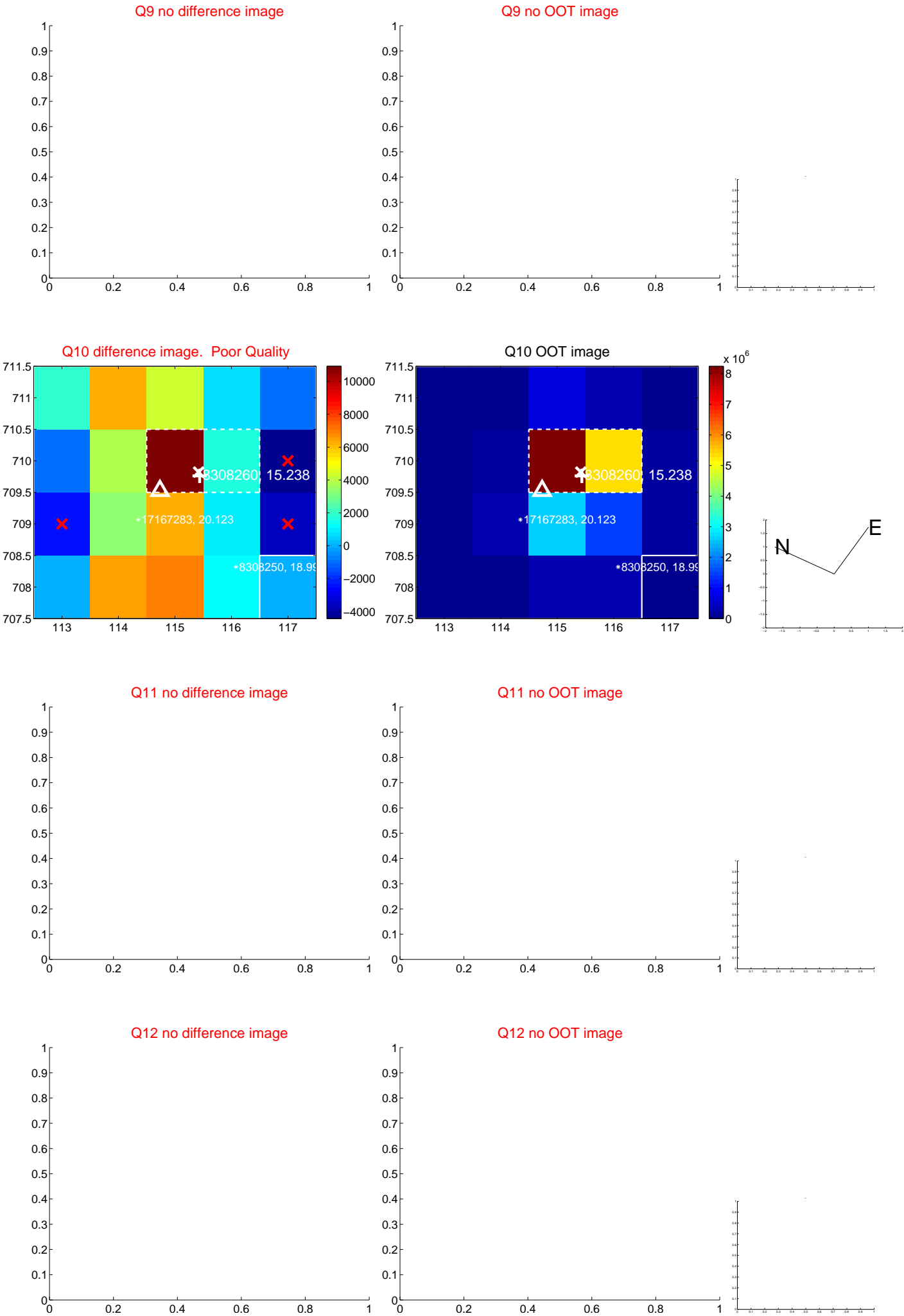
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value



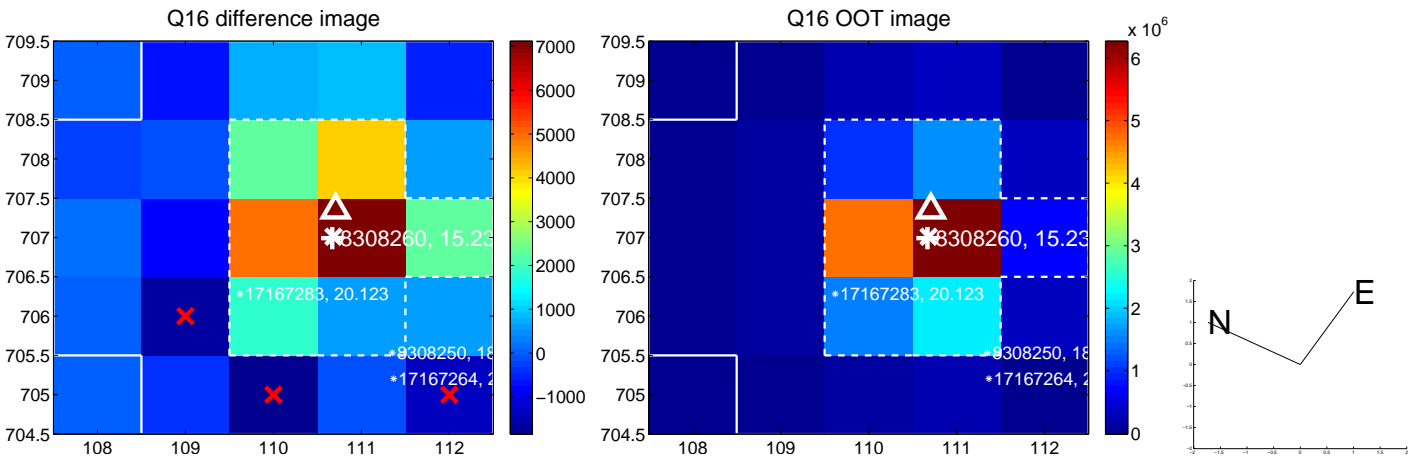
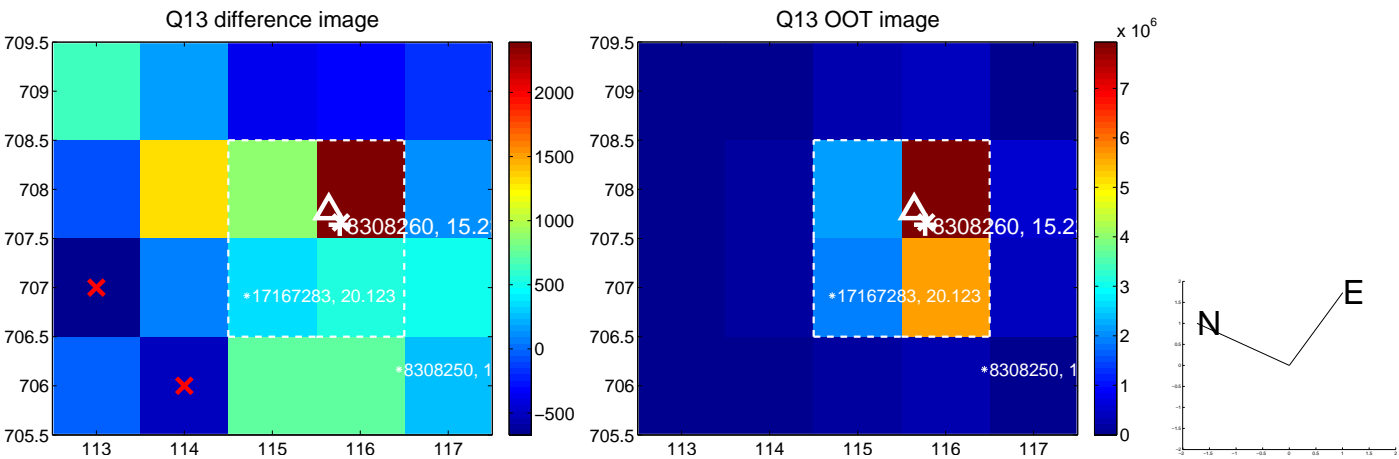
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



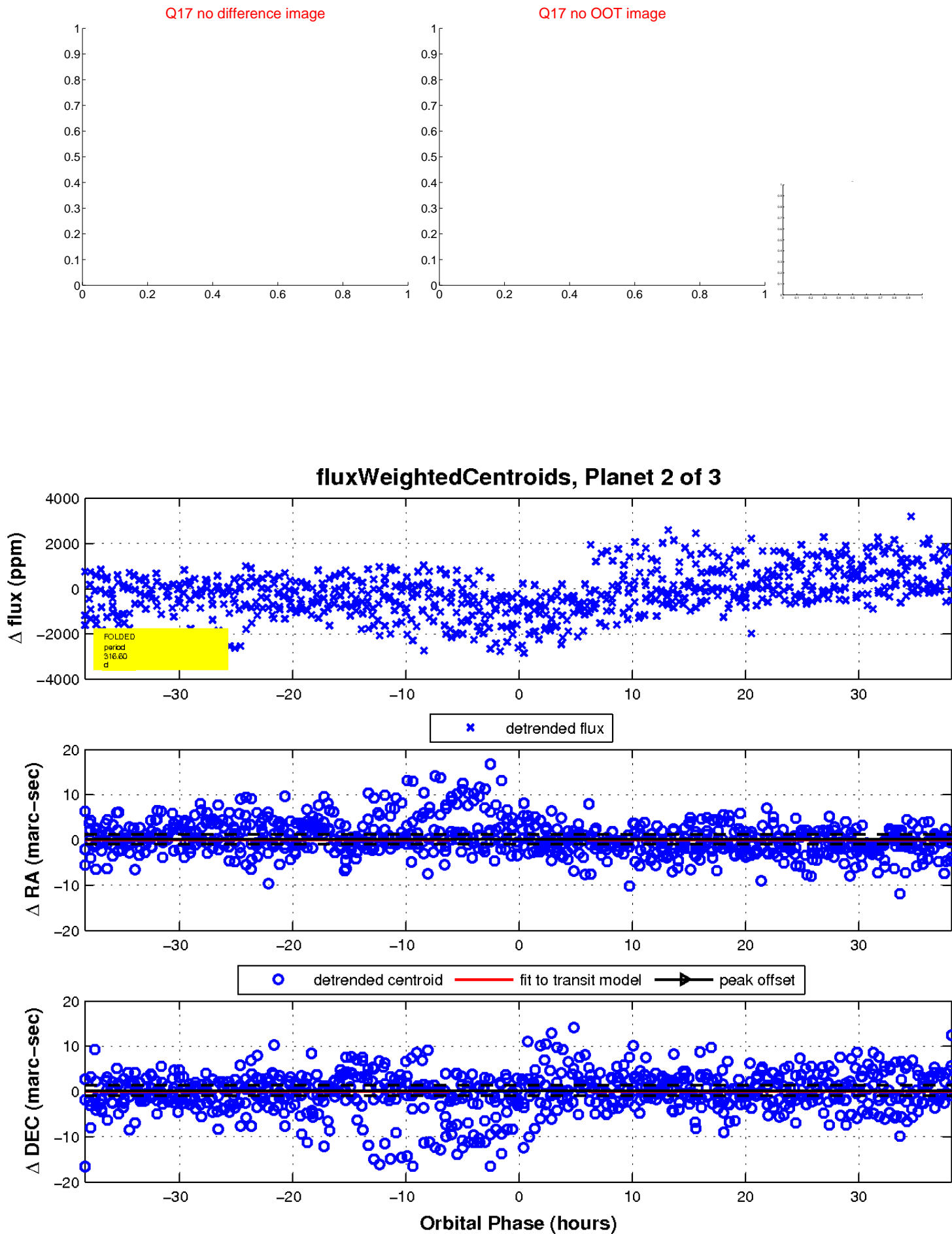
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



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

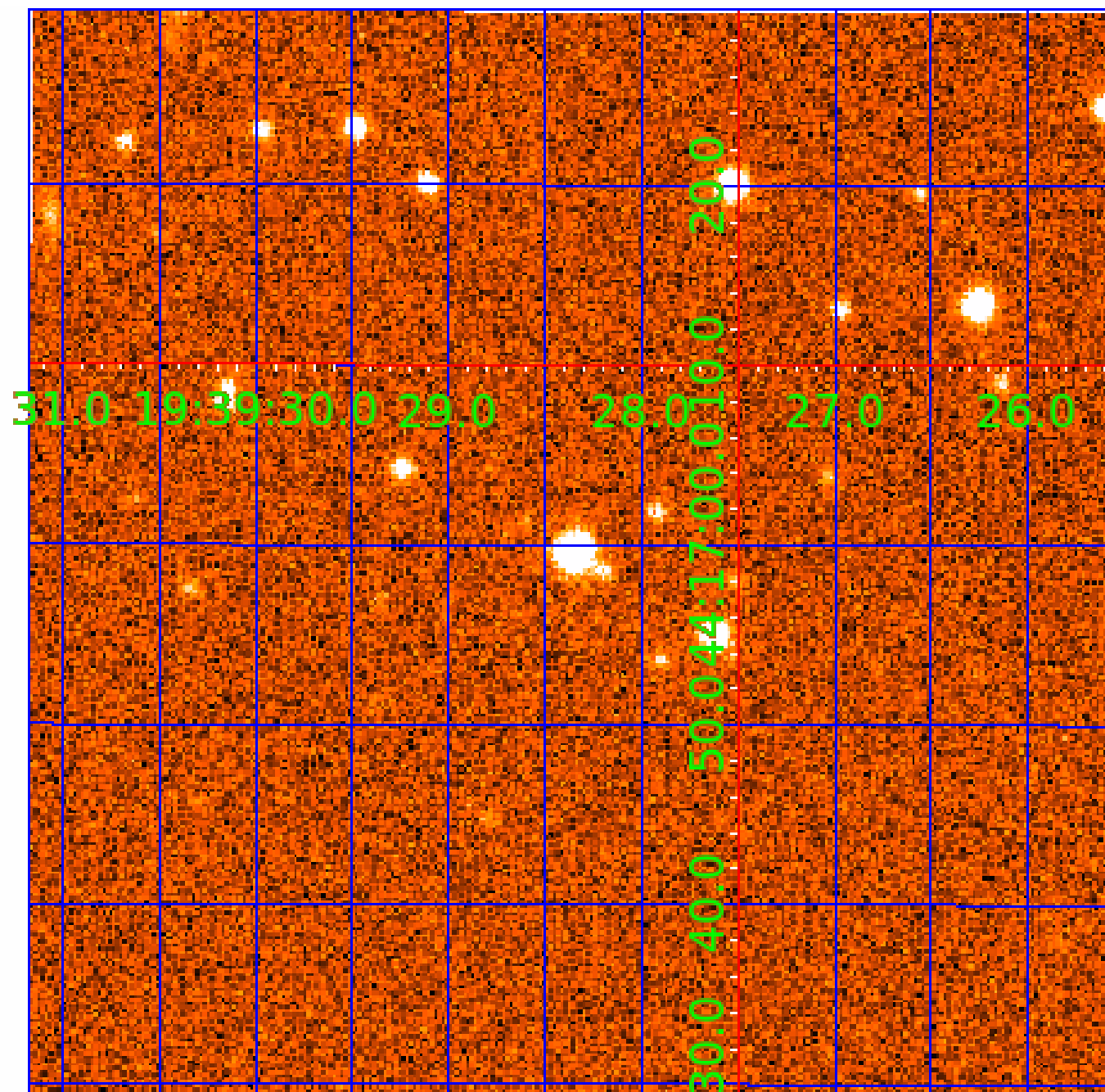


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 008308260

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})
008308260-01	OBS	4436.01	0.973169	132.253799	132.7	1.194	10.9	15.2	1.03	6108	1.23	3297.09
008308260-02	OBS	No	316.598519	287.995571	773.0	12.789	8.8	7.1	1.03	6108	2.93	1.47
008308260-03	OBS	No	354.127358	248.927020	1210.9	9.620	7.7	7.8	1.03	6108	4.00	1.27

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
008308260-01	OBS	FP	0.00	0	0	1	0	CENT_RESOLVED_OFFSET
008308260-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_MARSHALL_SKYE—ALL_TRANS_CHASES—MOD_NONUNIQ_DV—INCONSISTENT_TRANS
008308260-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL_SKYE—ALL_TRANS_CHASES—CENT_FEW_DIFFS

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 008308260-03

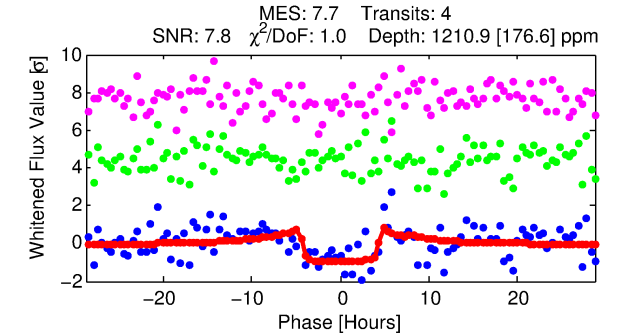
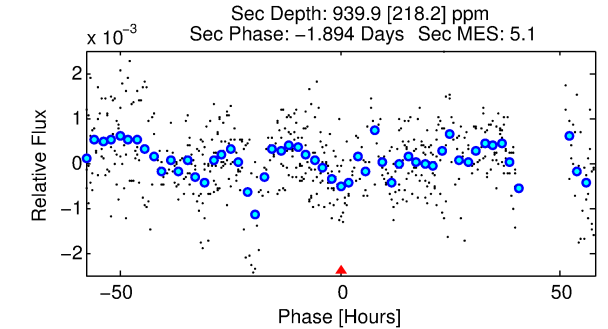
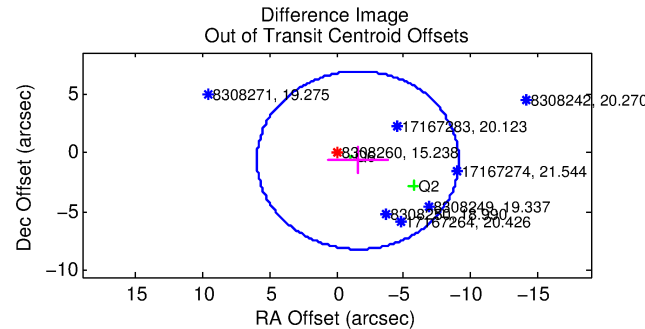
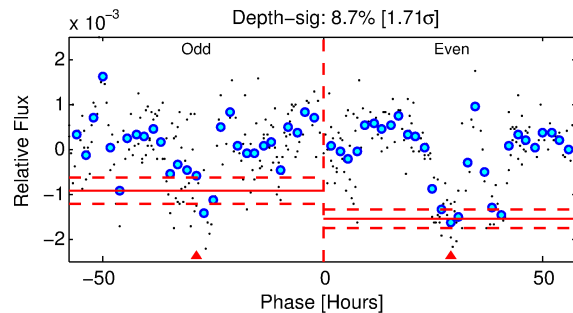
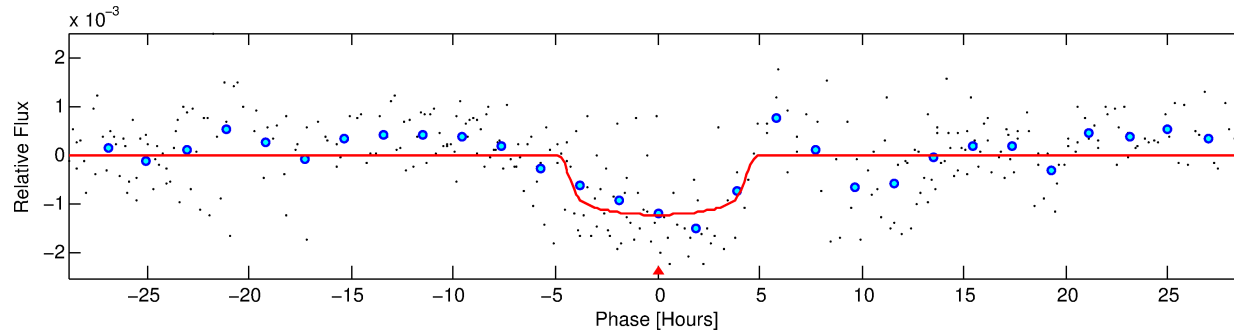
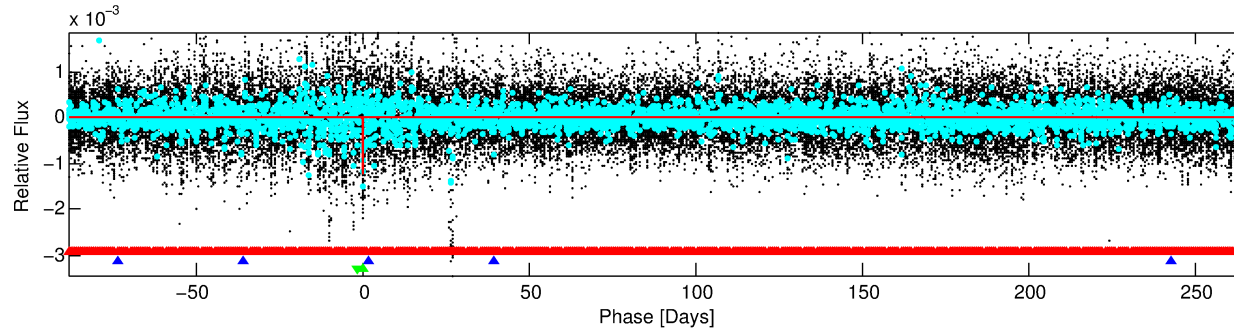
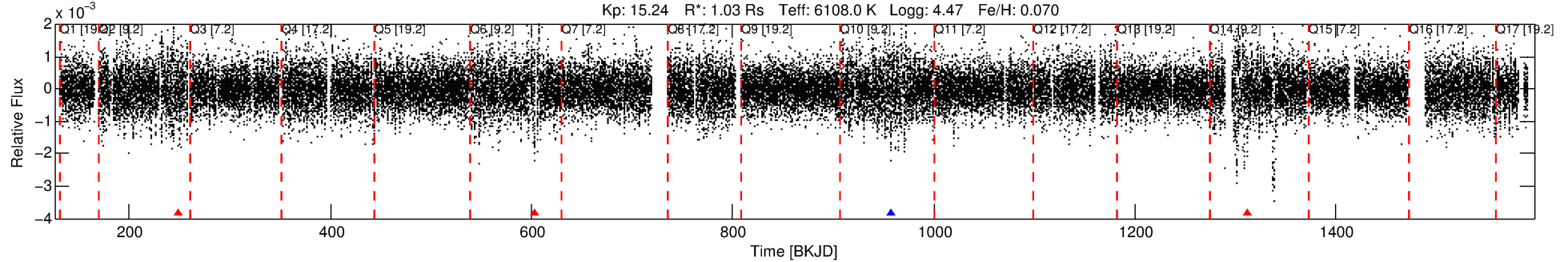
No Significant Match Found

DV One-Page Summary

KIC: 8308260 Candidate: 3 of 3 Period: 354.127 d

KOI: K04436 Corr: No Ephemeris Match

Kp: 15.24 R*: 1.03 Rs Teff: 6108.0 K Logg: 4.47 Fe/H: 0.070



DV Fit Results:

Period = 354.12736 [0.00846] d
Epoch = 248.9270 [0.0190] BKJD
Rp/R* = 0.0356 [0.0052]
a/R* = 179.42 [100.74]
b = 0.82 [0.24]
Seff = 1.27 [0.52]
Teq = 271 [28] K
Rp = 4.00 [1.38] Re
a = 1.0210 [0.2686] AU
Ag = 33696.06 [17995.59] [1.87σ]
Teffp = 5669 [573] K [9.41σ]

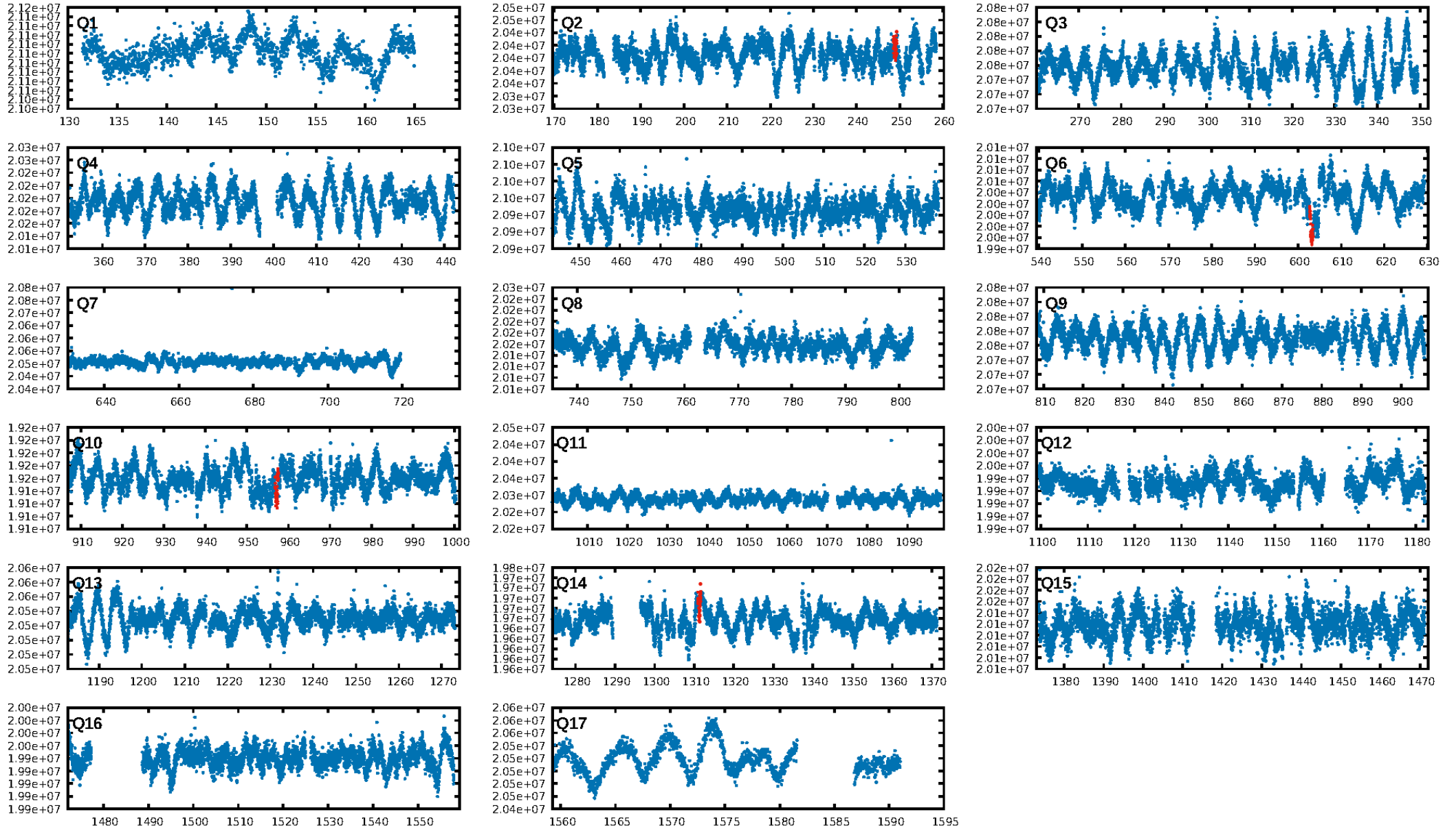
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [56.28σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 5.4%
ModelChiSquareGof-sig: 99.9%
Bootstrap-pfa: 9.62e-10
RollingBand-fgt: 0.25 [1/4]
GhostDiagnostic-chr: 16.51
Centroid-sig: 51.3%
Centroid-so: 1.986 arcsec [0.93σ]
OotOffset-rm: 1.716 arcsec [0.68σ]
OotOffset-st: 2/0/0/0 [2]
KicOffset-rm: 1.995 arcsec [0.94σ]
KicOffset-st: 2/0/0/0 [2]
DiffImageQuality-fgm: 0.00 [0/2]
DiffImageOverlap-fno: 0.00 [0/4]

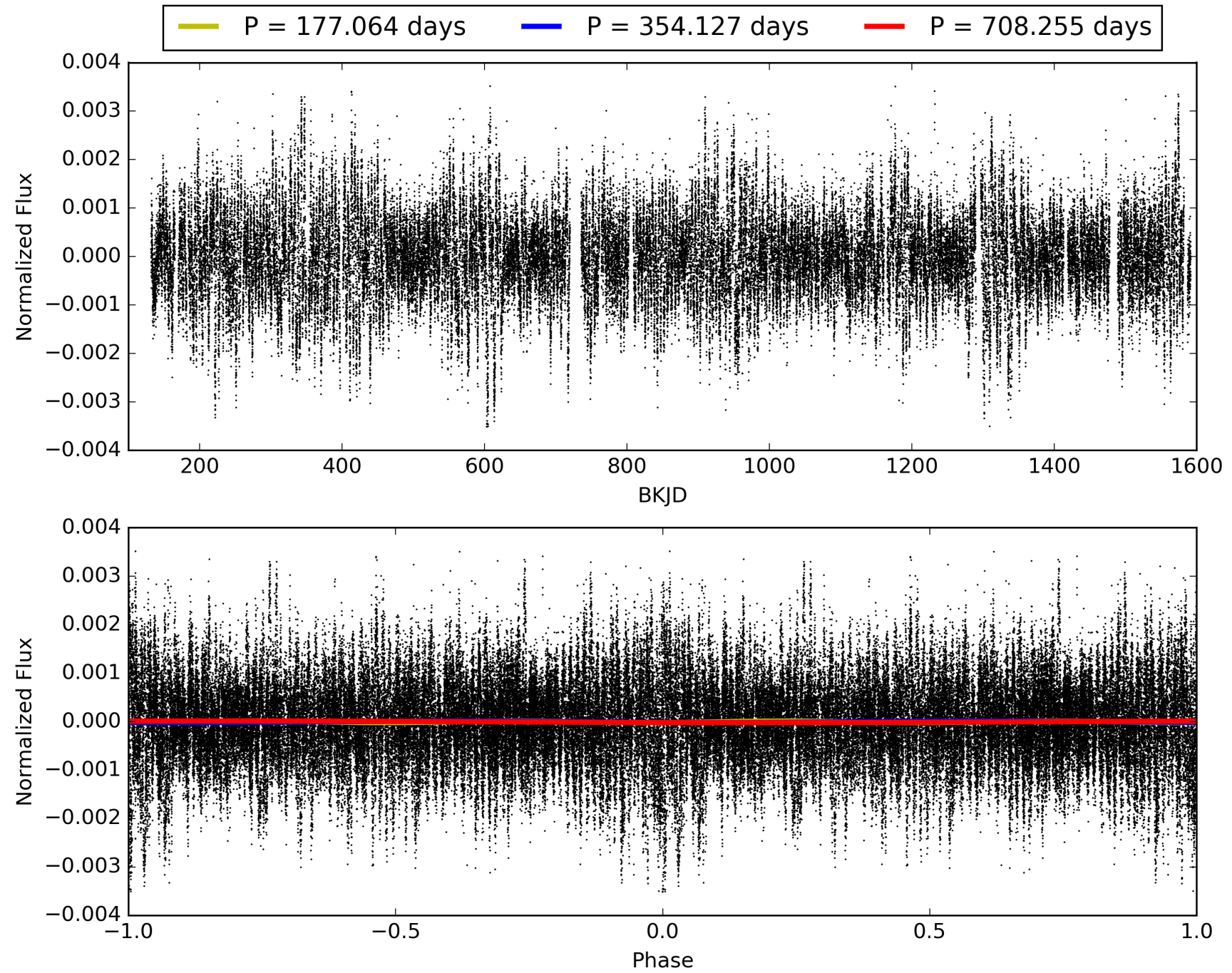
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 29-Jan-2016 13:34:03 Z

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

TCE 008308260-03, PDC Light Curves

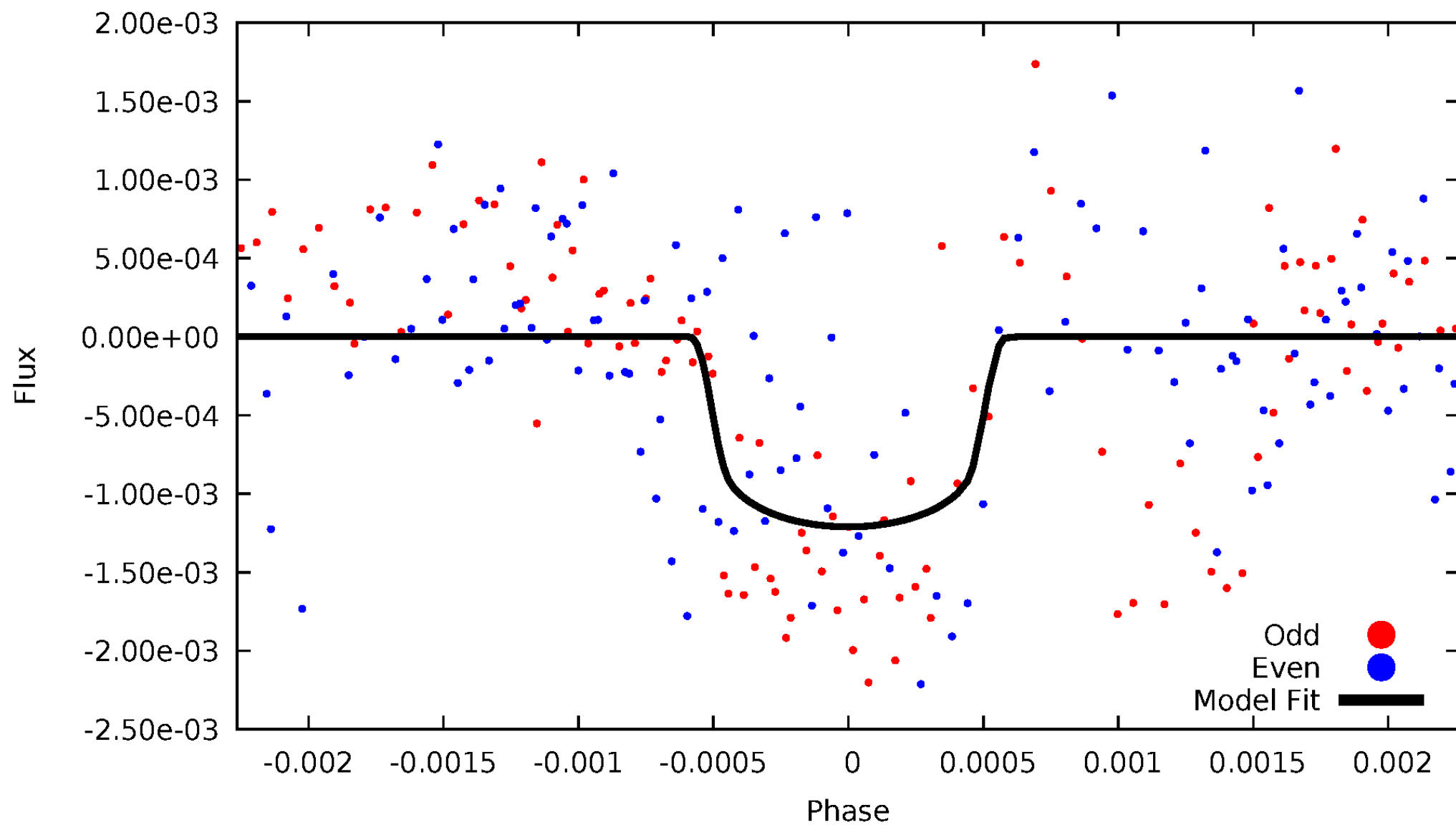


TCE 008308260-03



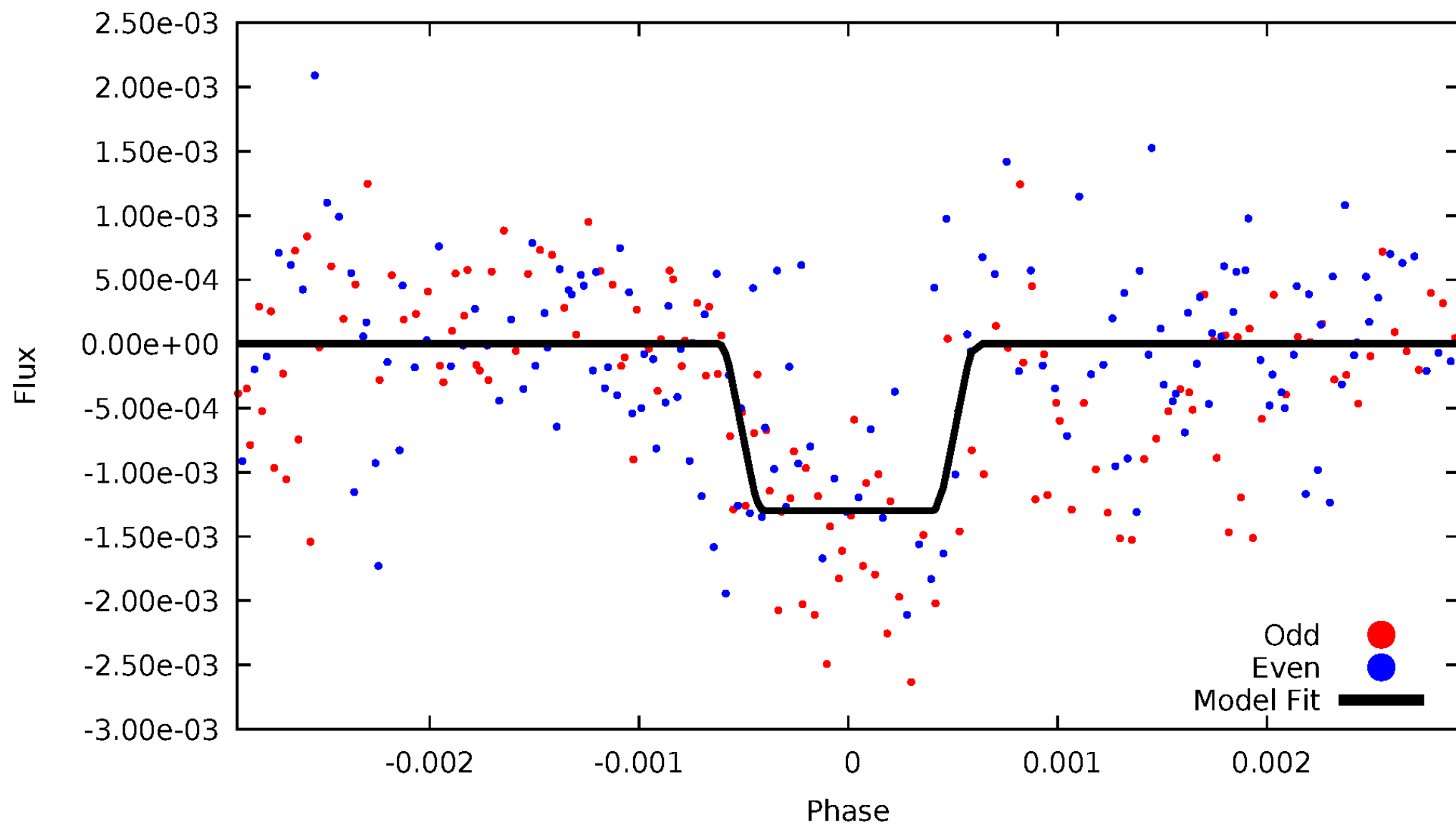
DV Odd/Even

TCE 008308260-03



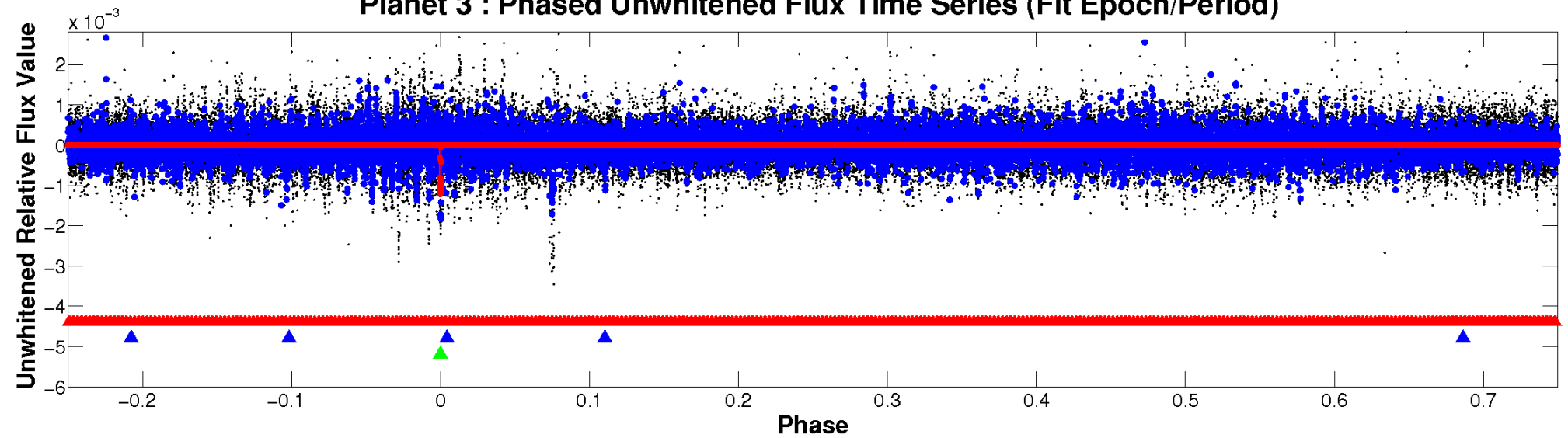
ALT Odd/Even

TCE 008308260-03

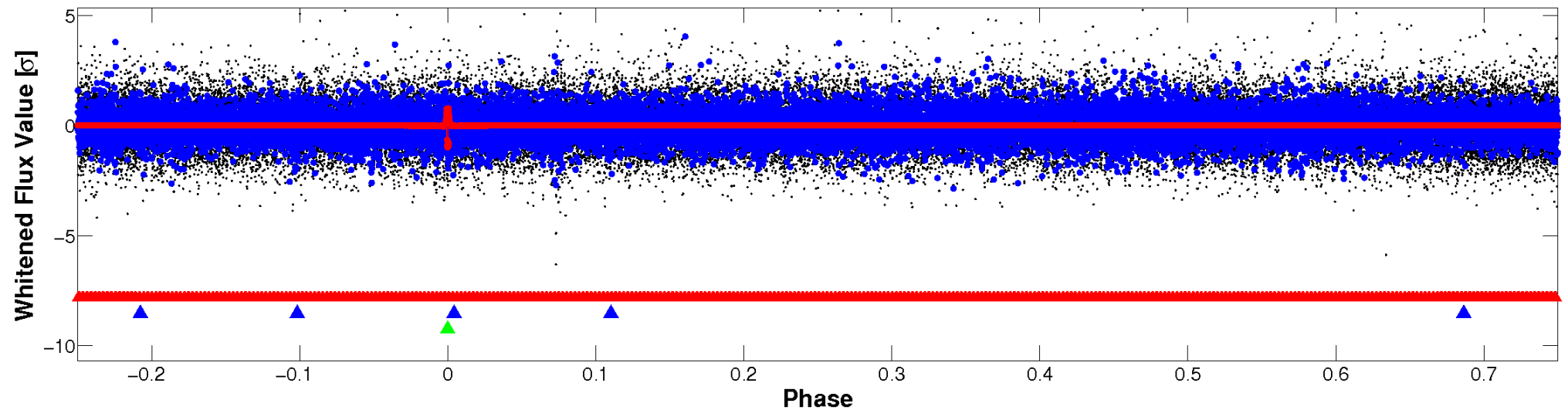


Non-Whitened Vs. Whitened Light Curve

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

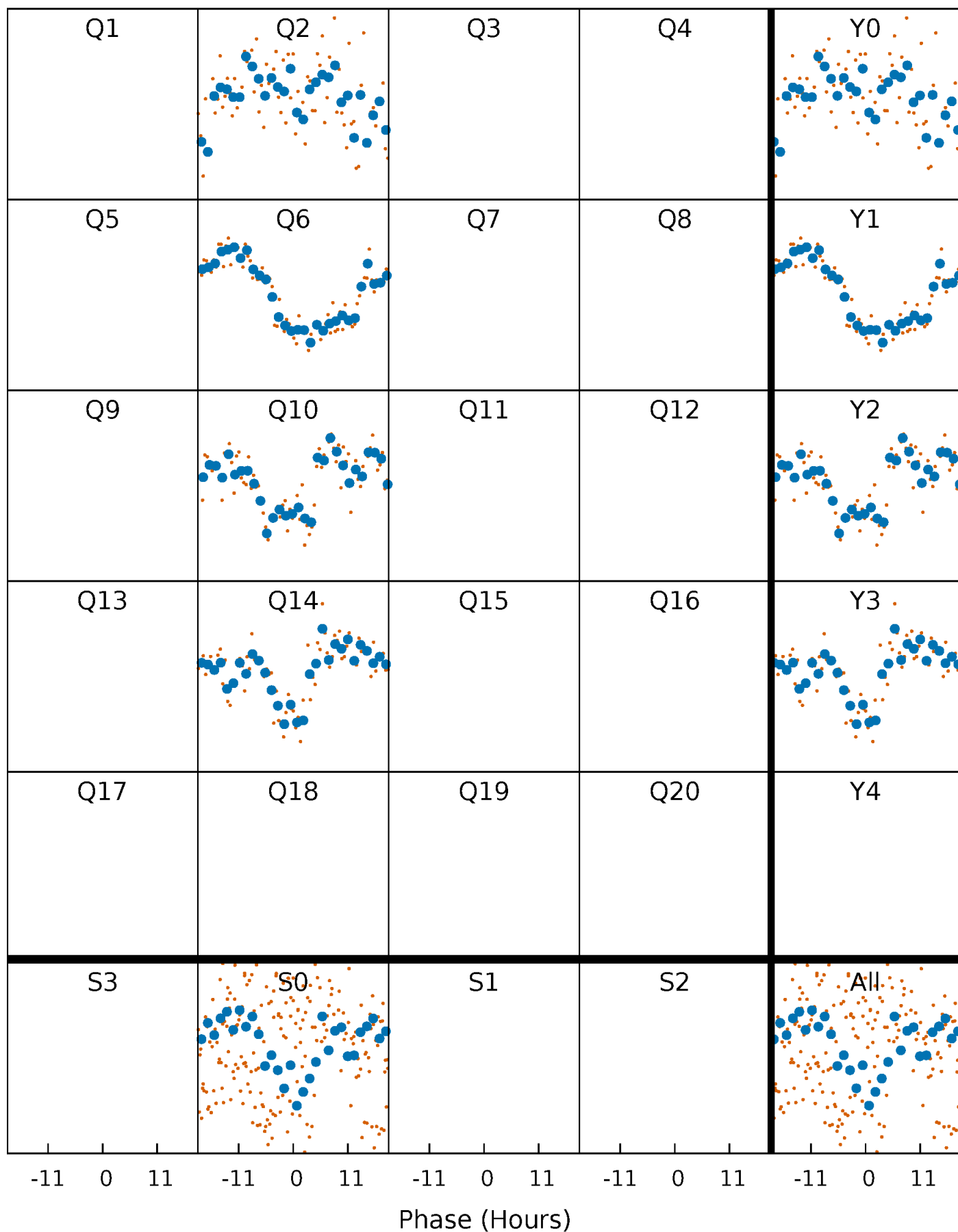


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



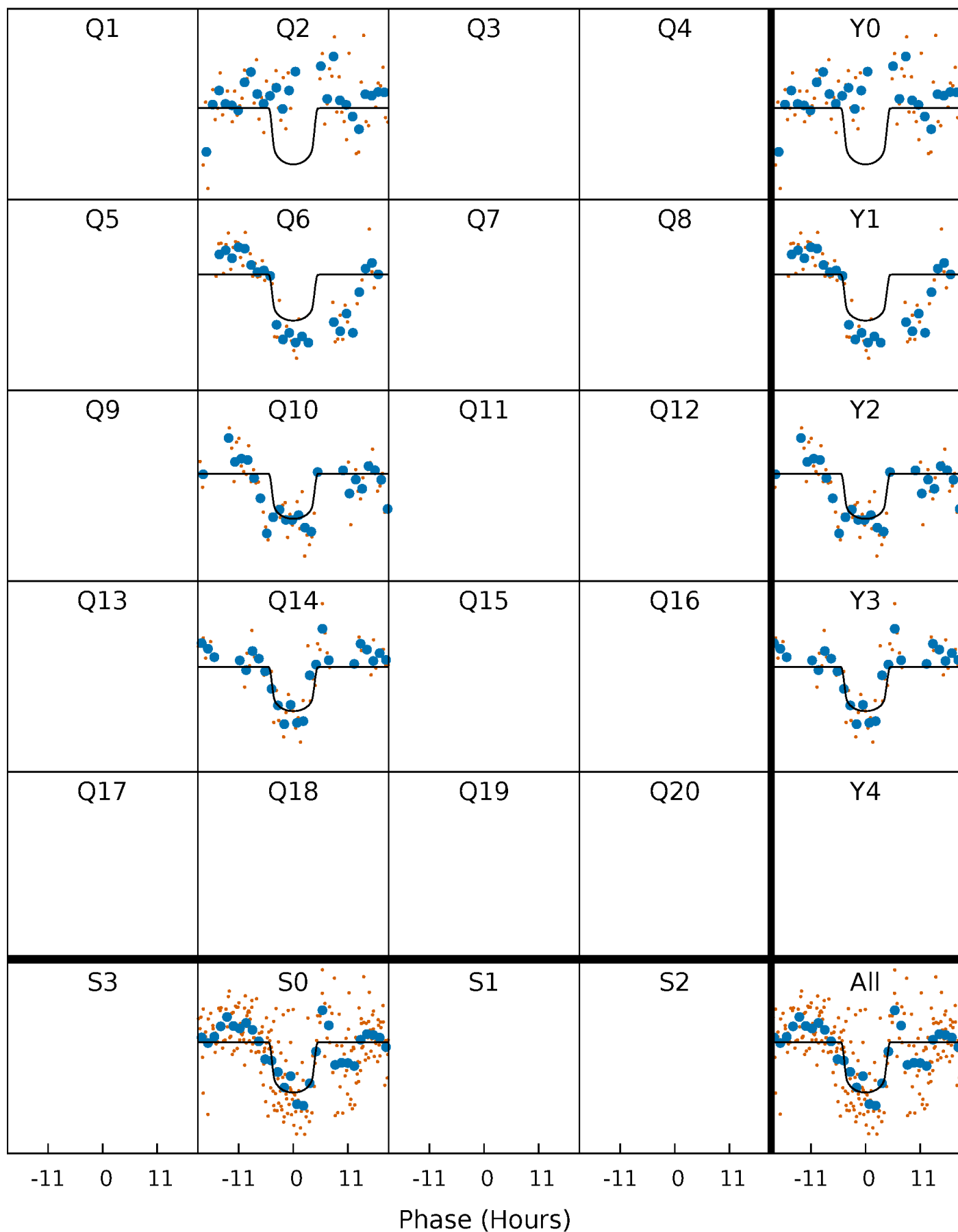
PDC Quarter-Phased Transit Curves

TCE 008308260-03 $P=354.127358$ Days $T_0=248.927020$ (BKJD)



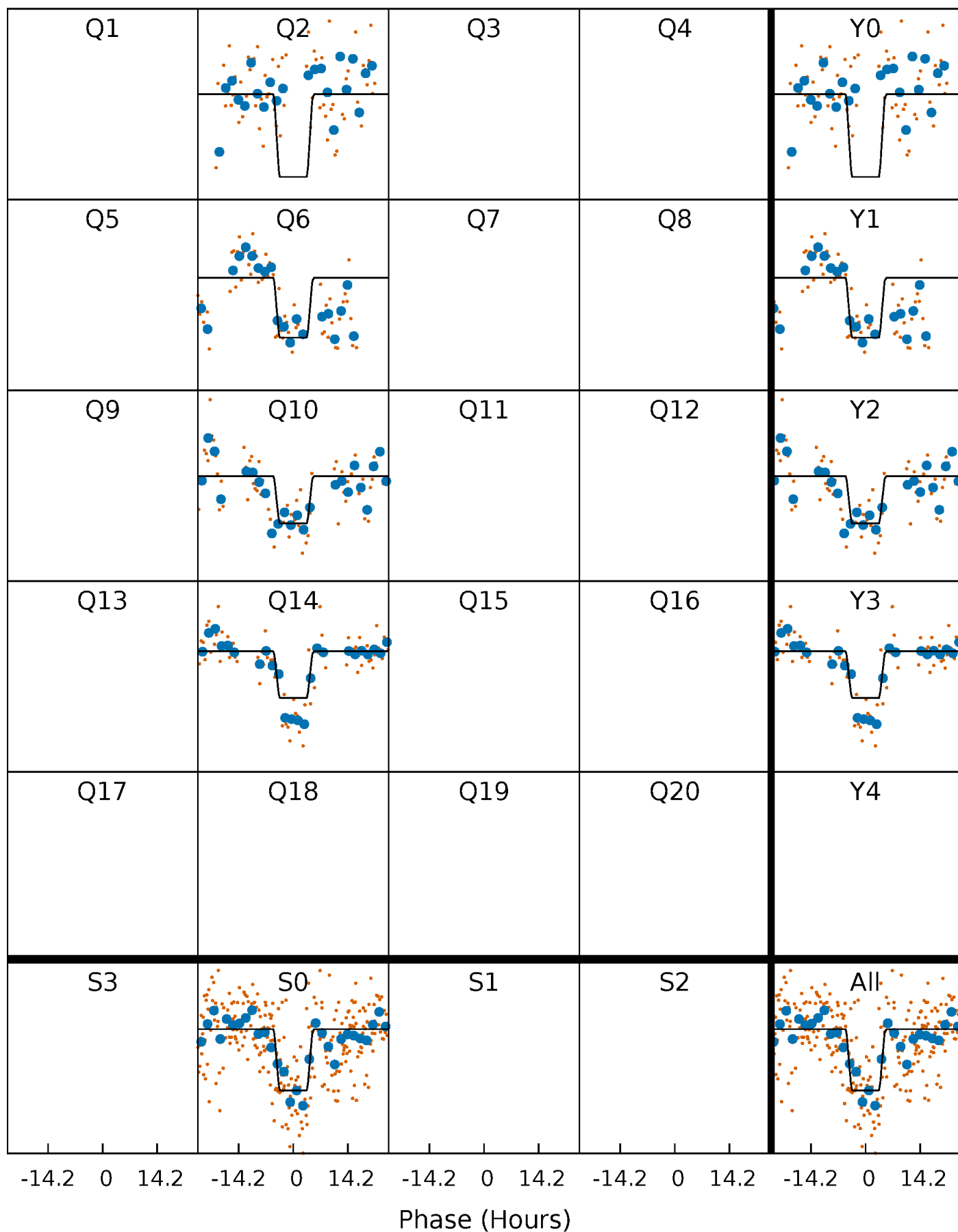
DV Quarter-Phased Transit Curves

TCE 008308260-03 $P=354.127358$ Days $T_0=248.927020$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

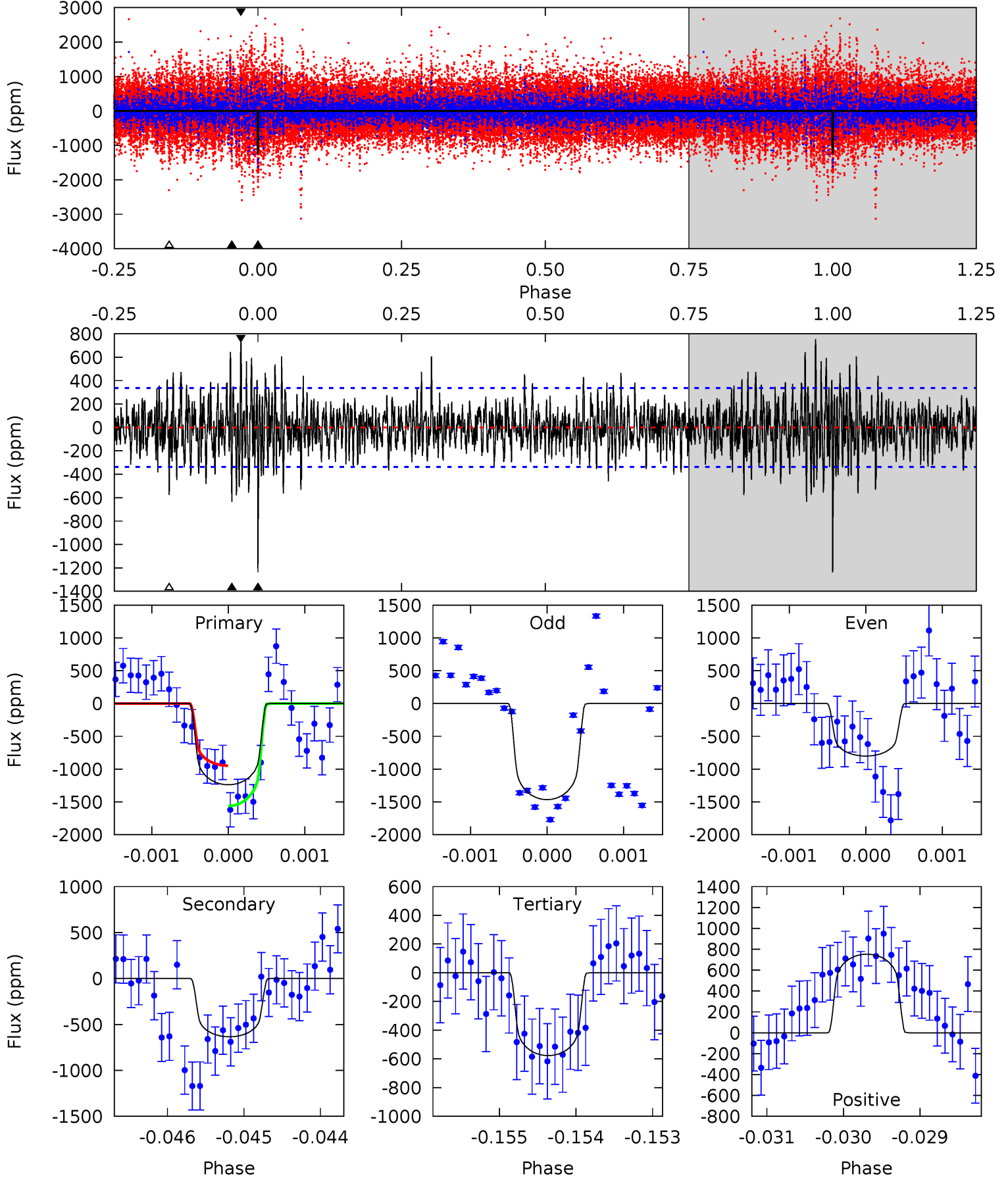
TCE 008308260-03 $P=354.086350$ Days $T_0=249.005048$ (BKJD)



DV Model-Shift Uniqueness Test

008308260-03, P = 354.127358 Days, E = 248.927020 Days

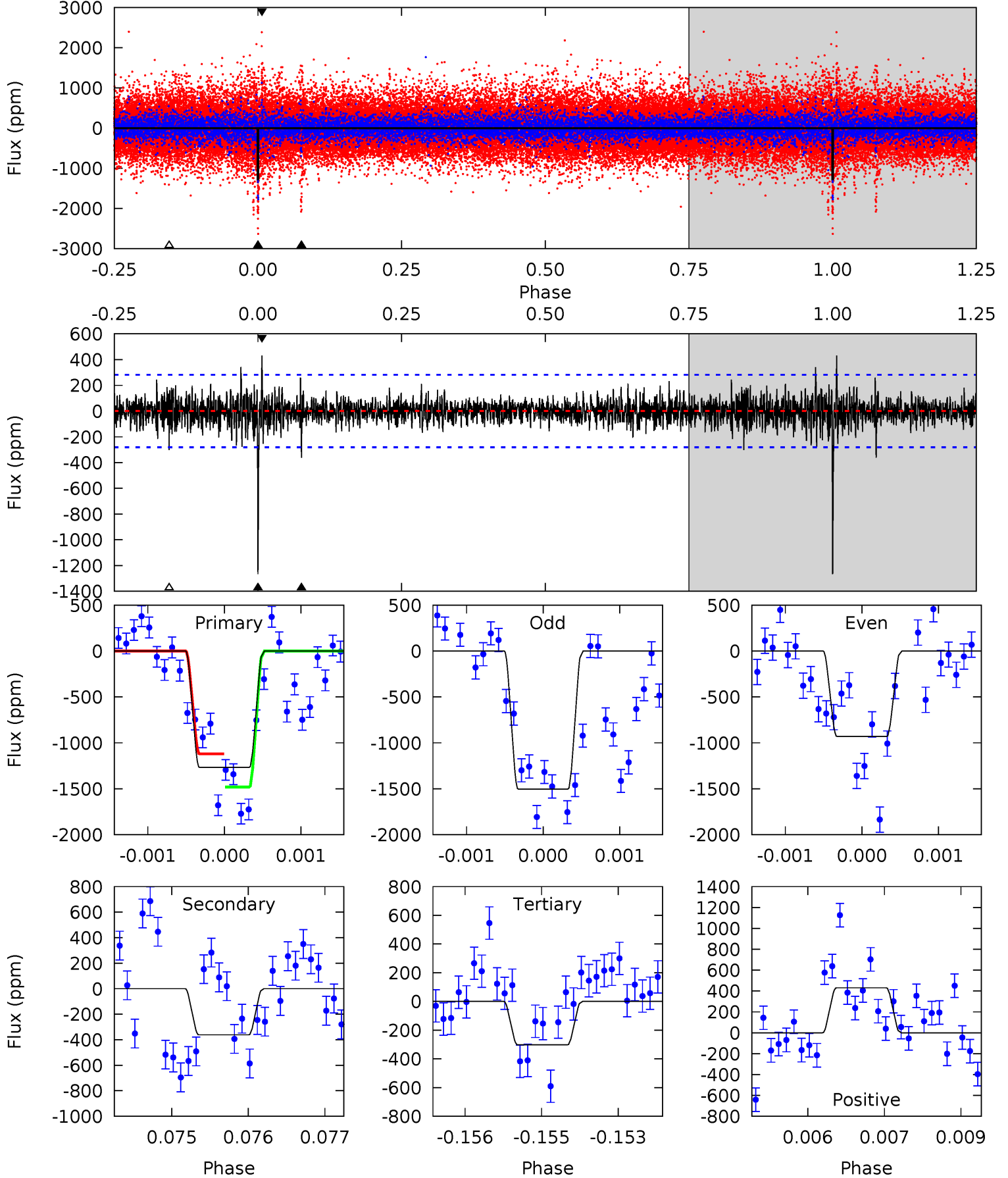
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
20.0	10.2	9.30	12.1	5.43	3.25	2.57	10.7	7.83	0.92	-1.91	5.40	0.75	0.38	4.89



Alt Model-Shift Uniqueness Test

008308260-03, P = 354.086350 Days, E = 249.005048 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
24.3	6.95	5.80	8.26	5.41	3.23	1.31	18.5	16.1	1.15	-1.31	5.53	0.82	0.25	3.44



Stellar Parameters For KIC 008308260

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	6108^{+172}_{-236}	$4.466^{+0.052}_{-0.208}$	$0.070^{+0.250}_{-0.300}$	$1.030^{+0.323}_{-0.108}$	$1.132^{+0.141}_{-0.141}$	$1.457^{+0.318}_{-0.804}$
	+3%/-4%	+1%/-5%	+357%/-429%	+31%/-10%	+12%/-12%	+22%/-55%
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 008308260-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-634 ± 62	$4.20^{+0.85}_{-0.70}$	386^{+27}_{-19}	5171^{+409}_{-342}	20015^{+9088}_{-6070}
Alt.	-362 ± 52	$4.25^{+0.87}_{-0.74}$	385^{+30}_{-19}	4583^{+342}_{-283}	11210^{+5755}_{-3557}

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

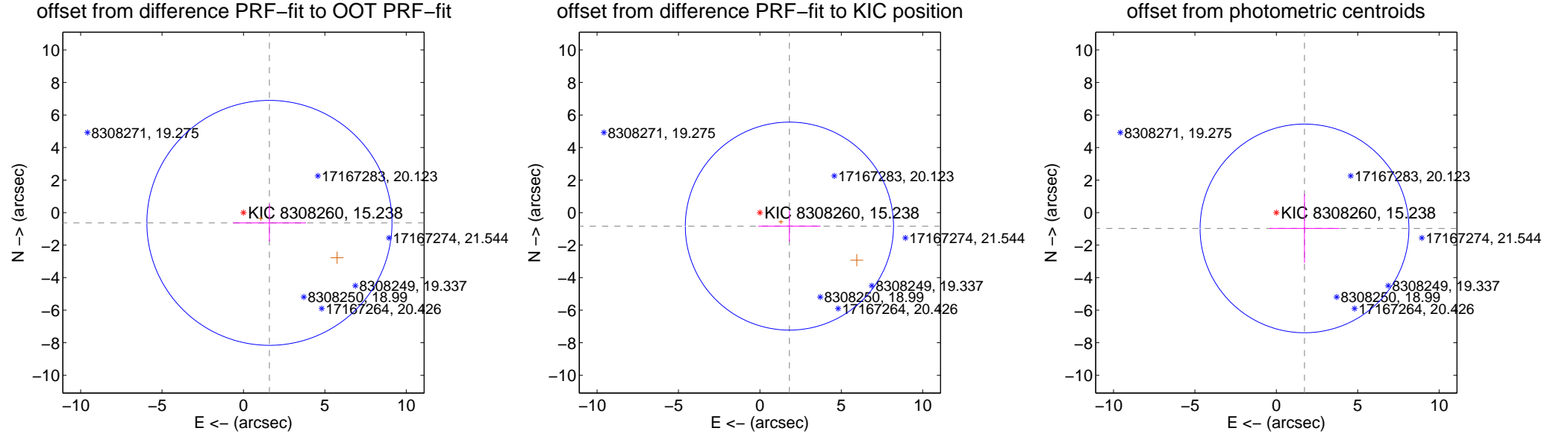
DV Centroid Data

Supplemental centroid analysis for 008308260-03. Kepler magnitude: 15.24. Transit SNR 7.82

There are 0 quarters with good PRF difference image offsets

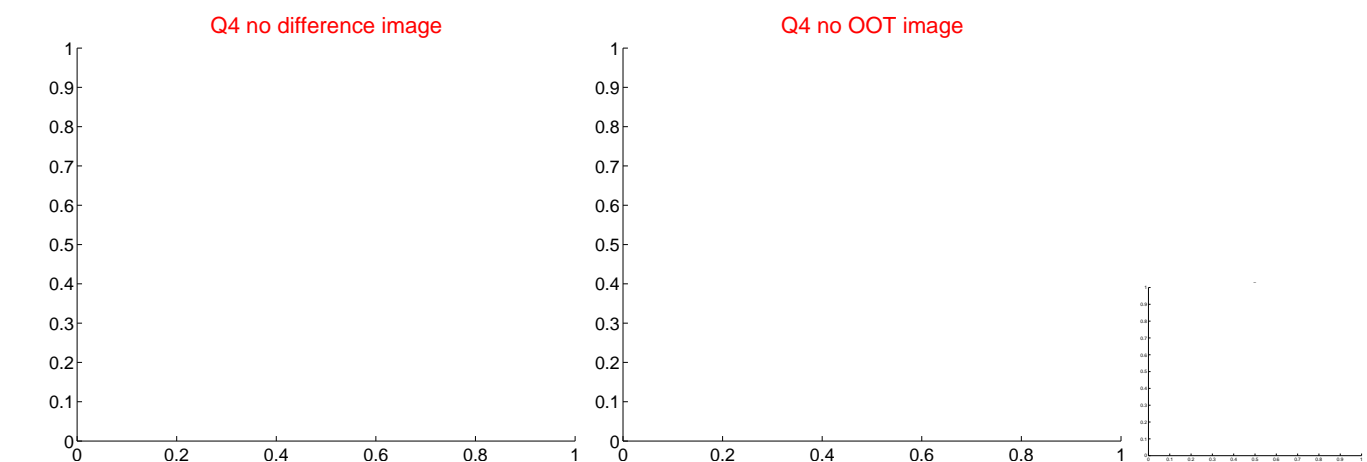
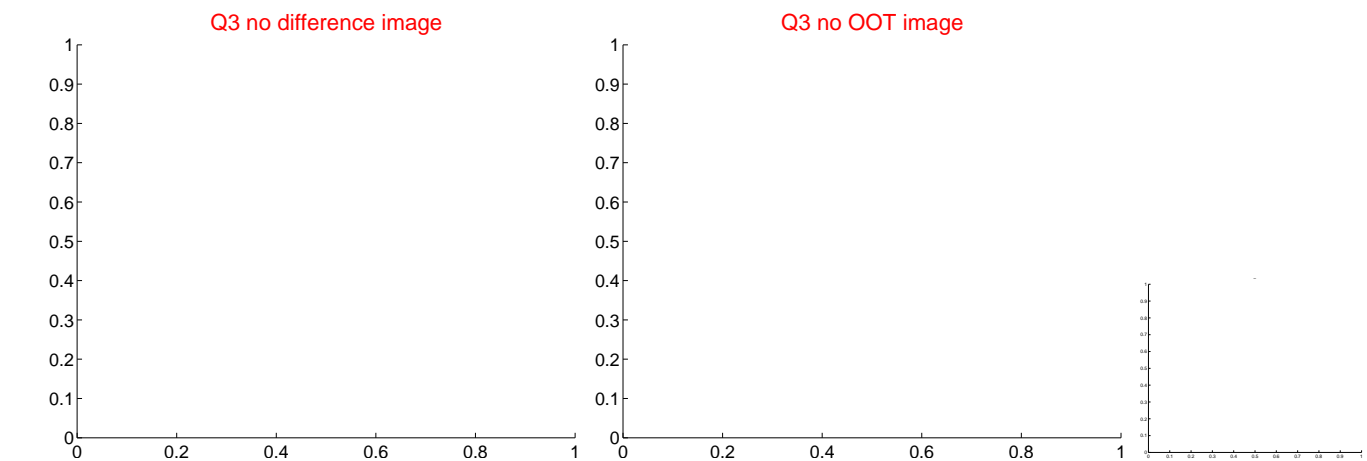
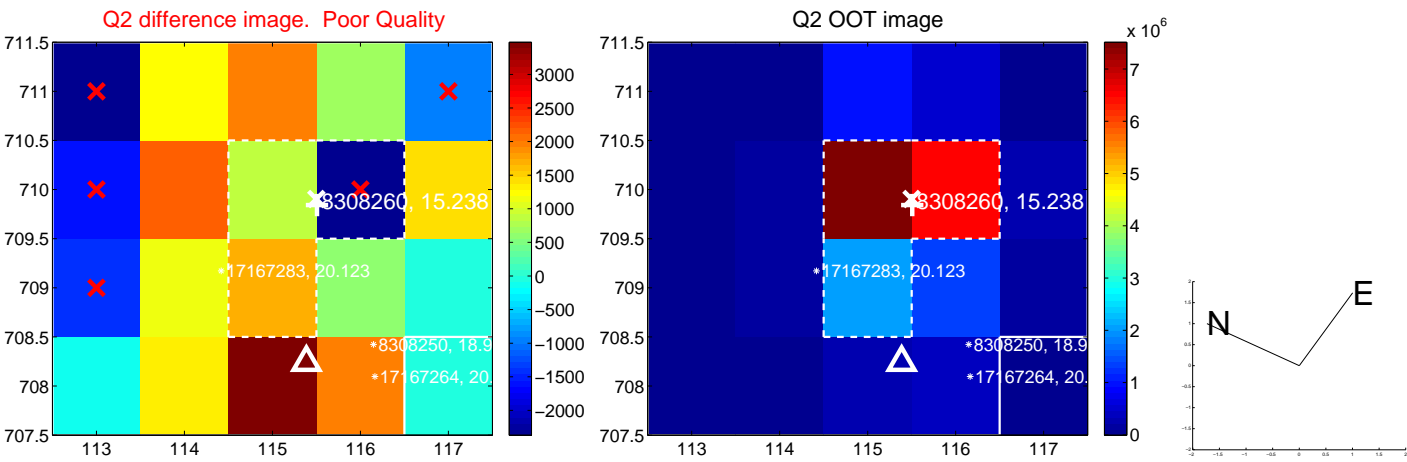
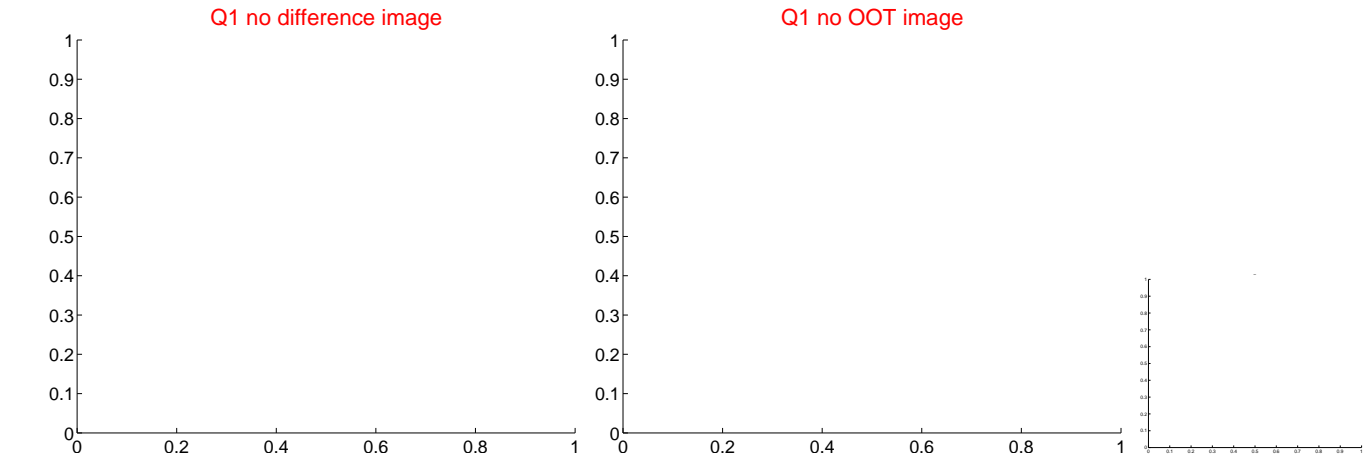
The direct PRF centroid is offset from the target star catalog position by about 0.30 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	1.716 ± 2.510	0.68	-1.596 ± 2.243	-0.631 ± 1.154
PRF-fit source offset from KIC position	1.995 ± 2.131	0.94	-1.814 ± 1.904	-0.831 ± 0.963
photometric centroid source offset	1.99 ± 2.14	0.93	-1.73 ± 2.14	-0.97 ± 2.12

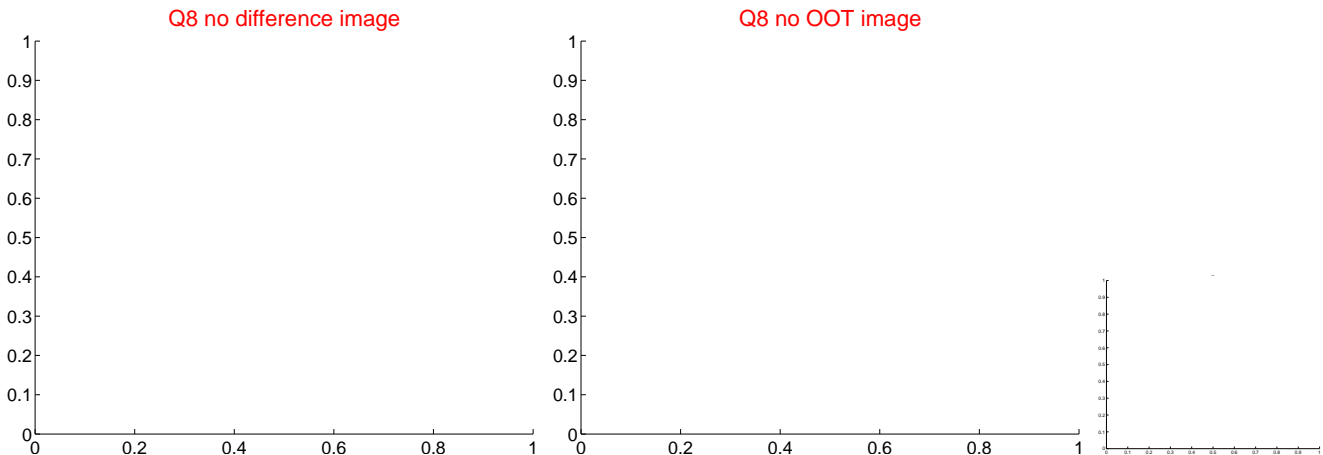
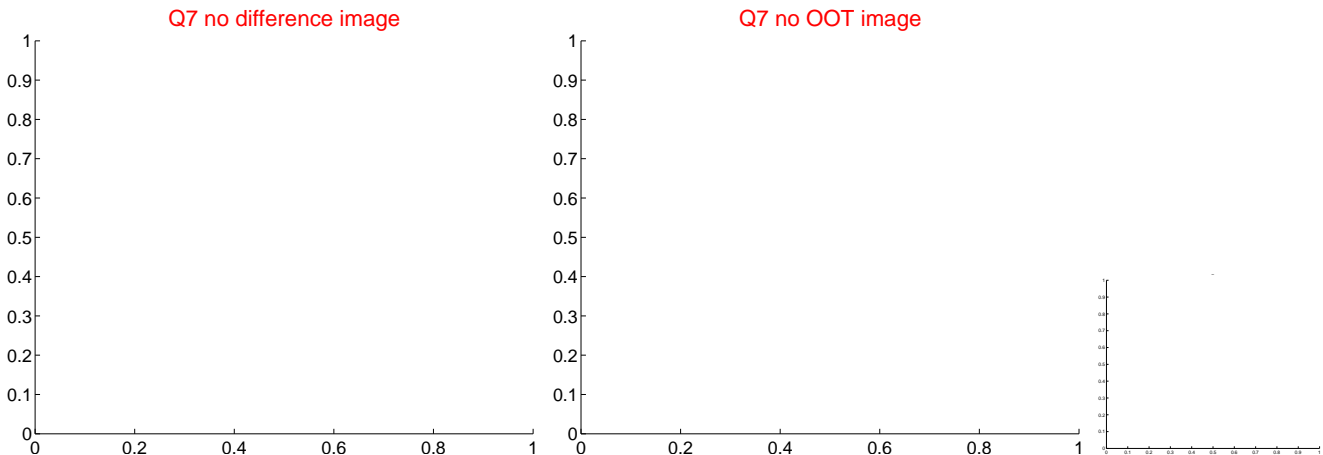
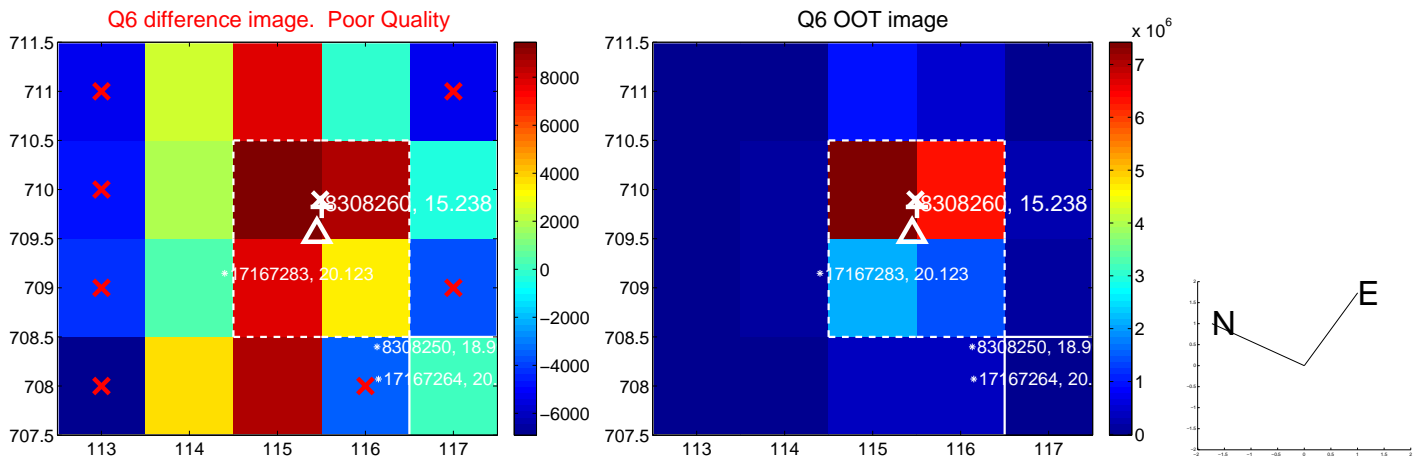
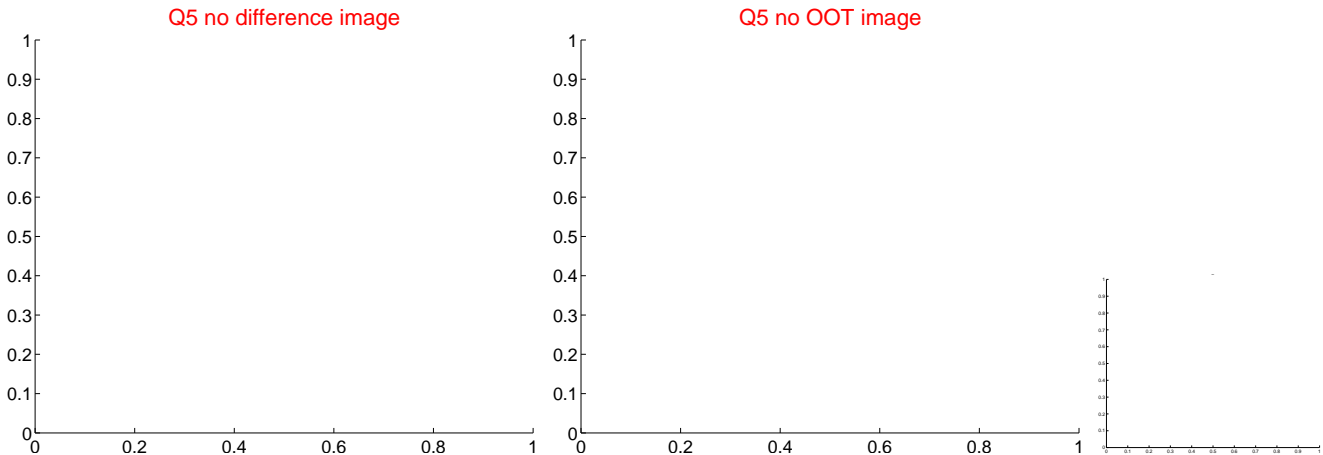


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

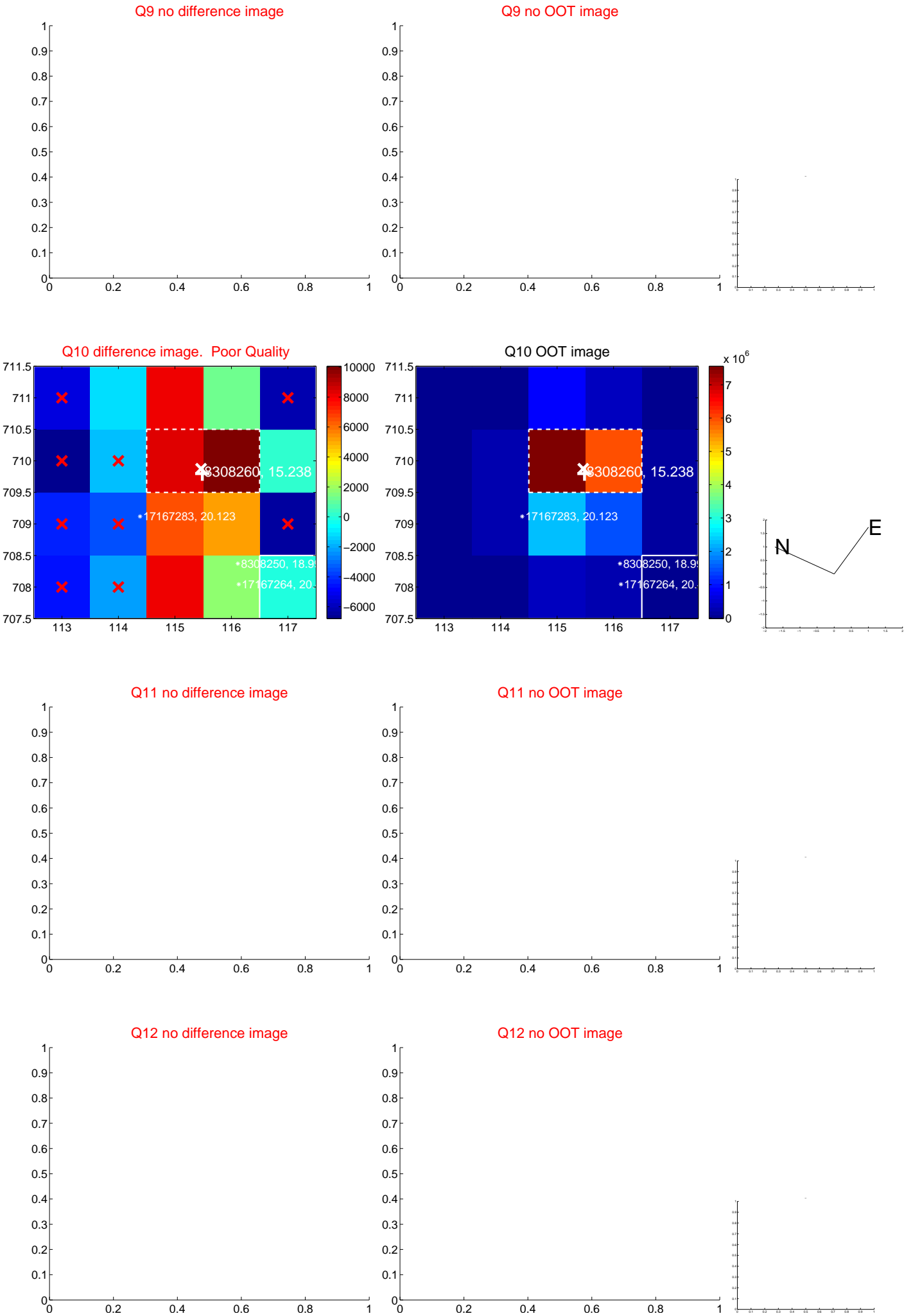
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



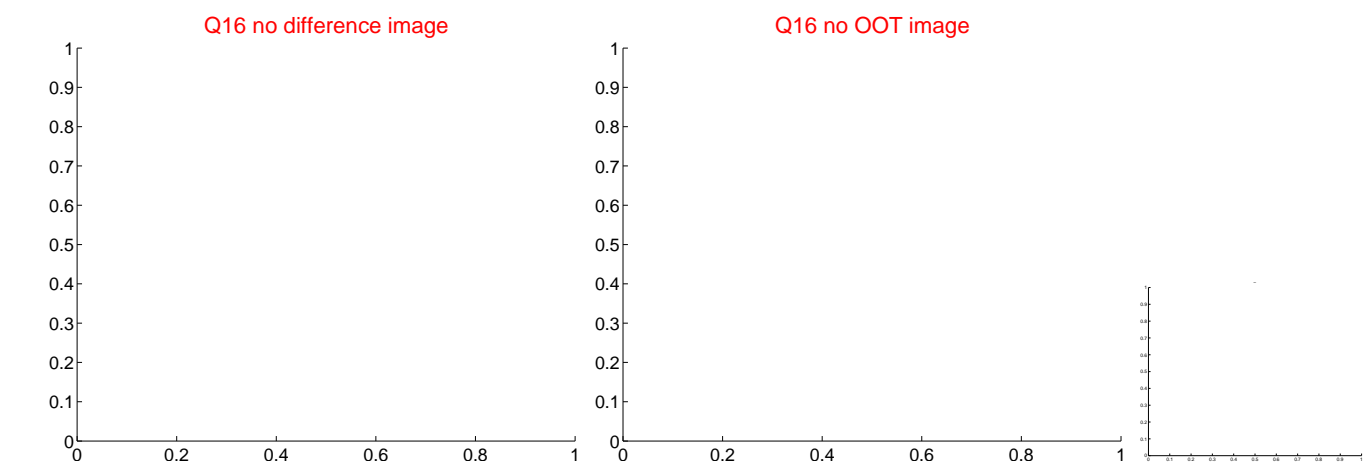
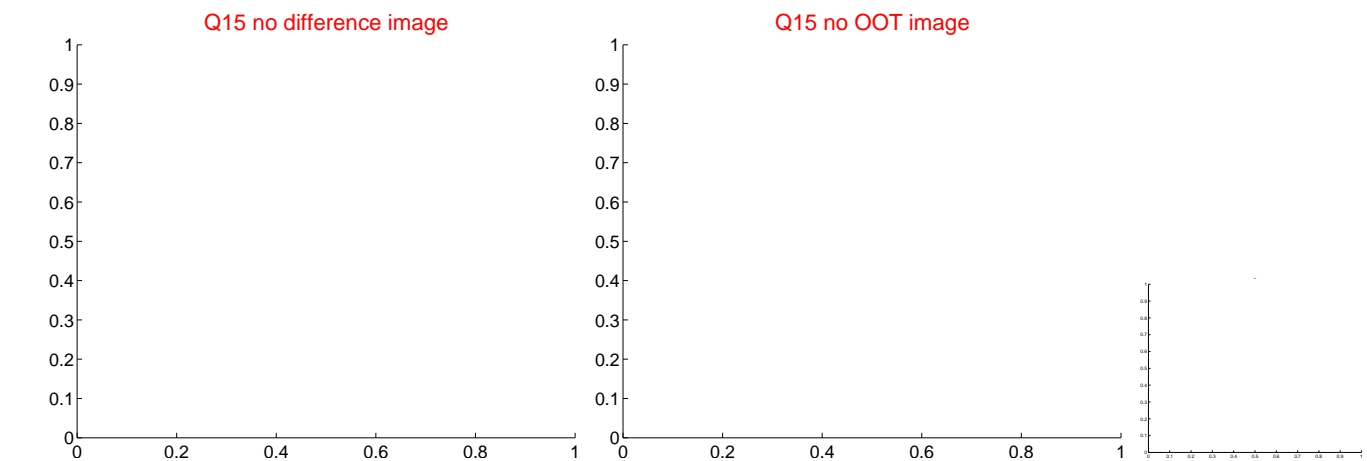
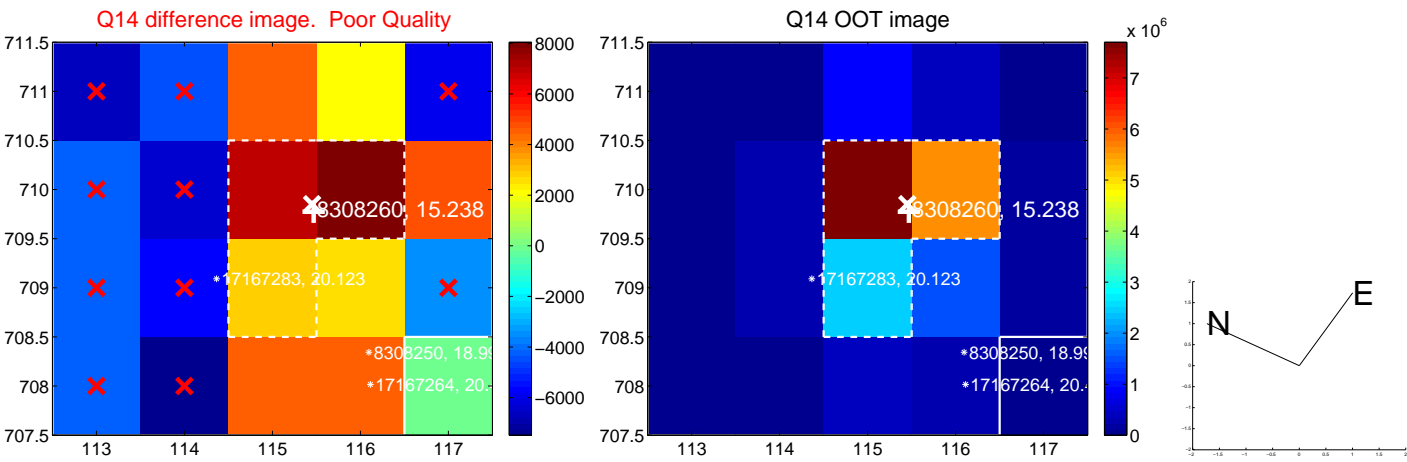
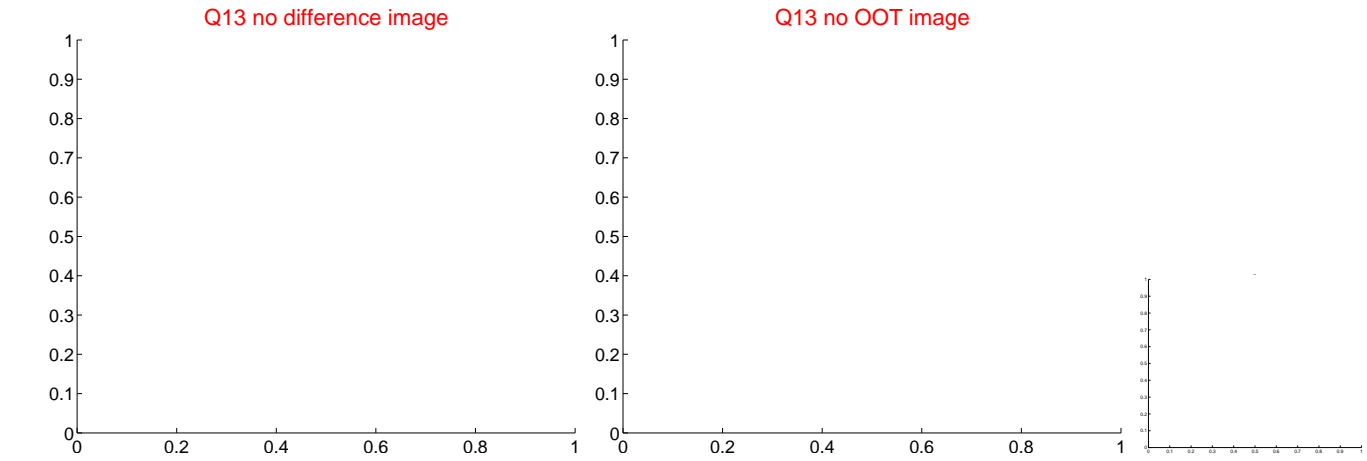
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value



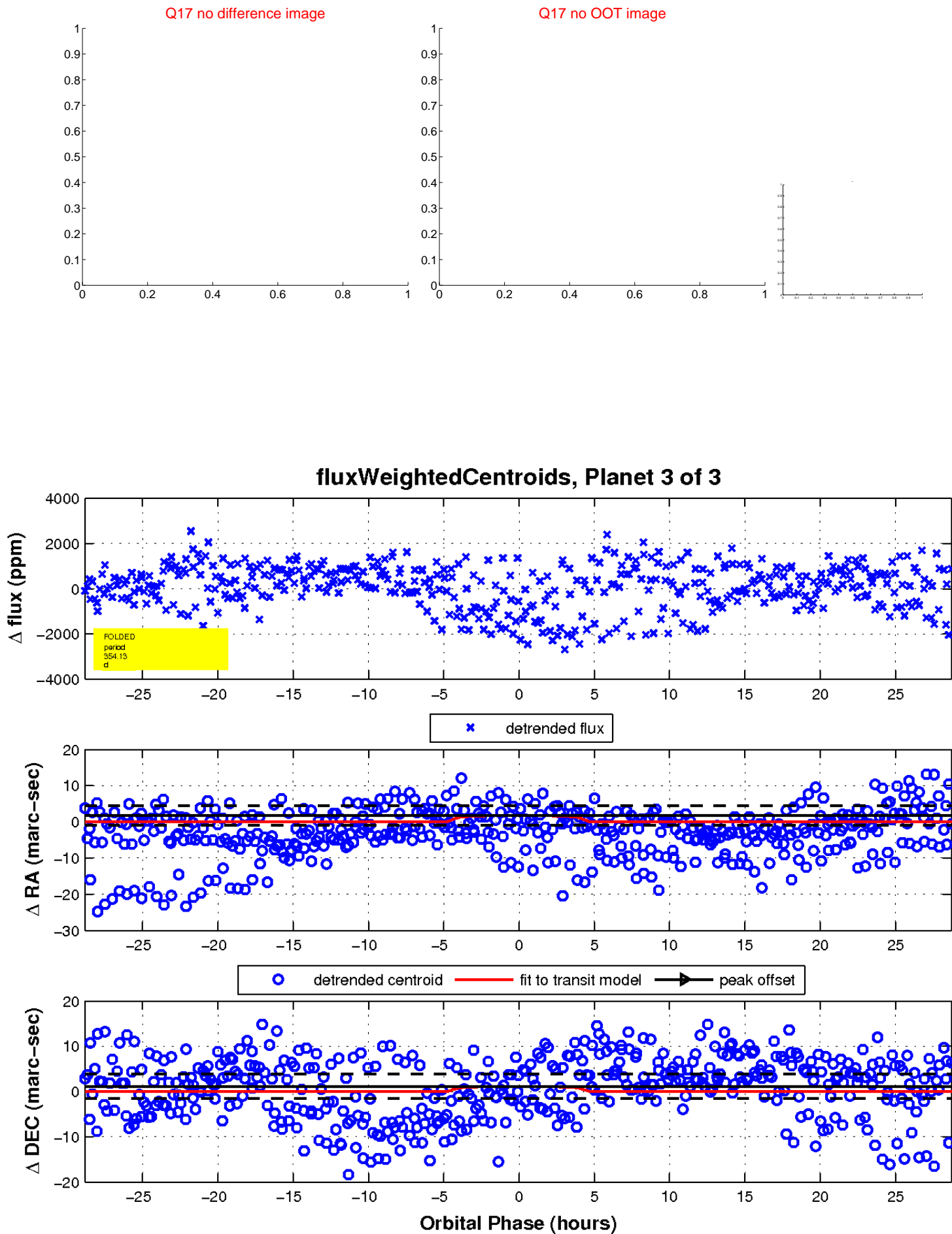
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



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.



UKIRT Image

Declination

