

KIC 011770258

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})
011770258-01	OBS	No	0.812145	131.971101	216.1	3.345	16.4	22.6	2.02	8398	3.44	40142.39
011770258-02	OBS	No	0.812162	131.732086	150.0	4.218	16.4	16.1	2.02	8398	2.55	40141.23
011770258-03	OBS	No	0.812182	132.214119	410.5	2.500	19.8	-1.0	2.02	8398	4.14	40139.93

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011770258-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011770258-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—LPP_ALT—SAME_NTL_PERIOD
011770258-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—NO_FITS—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.

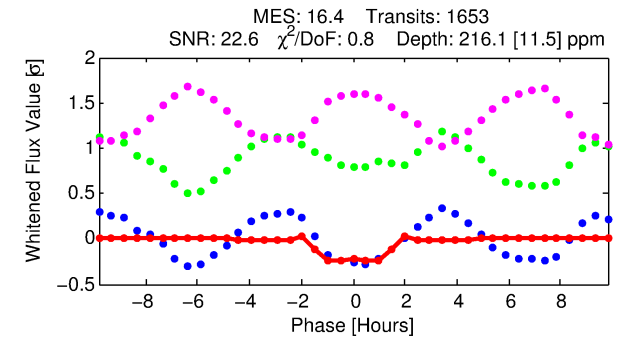
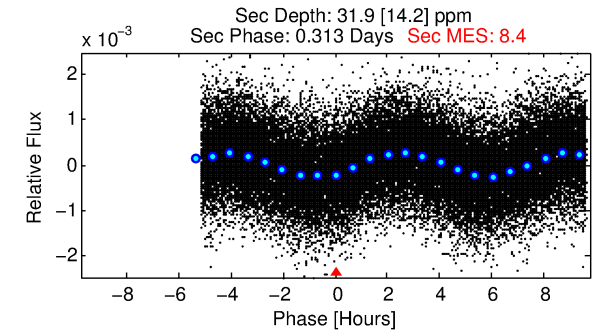
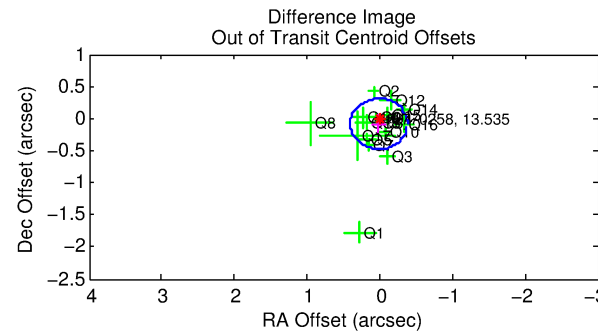
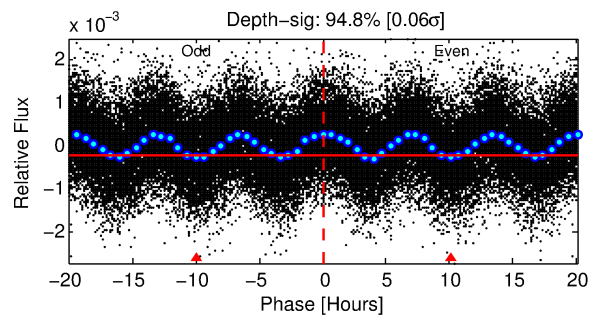
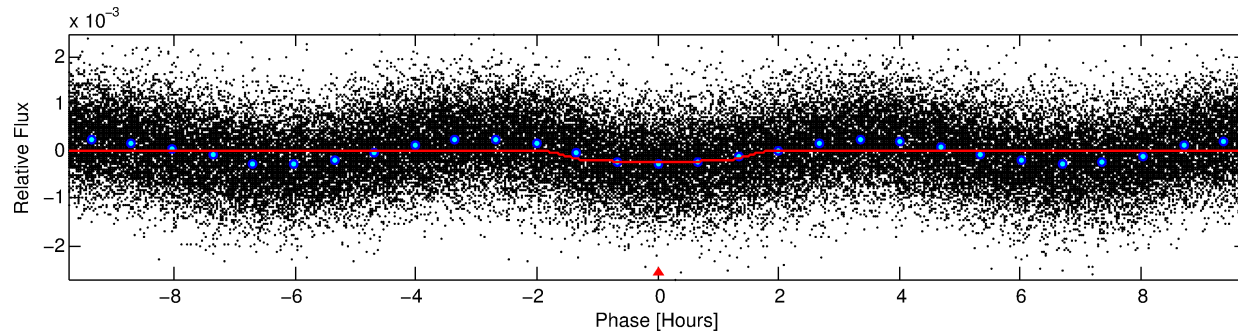
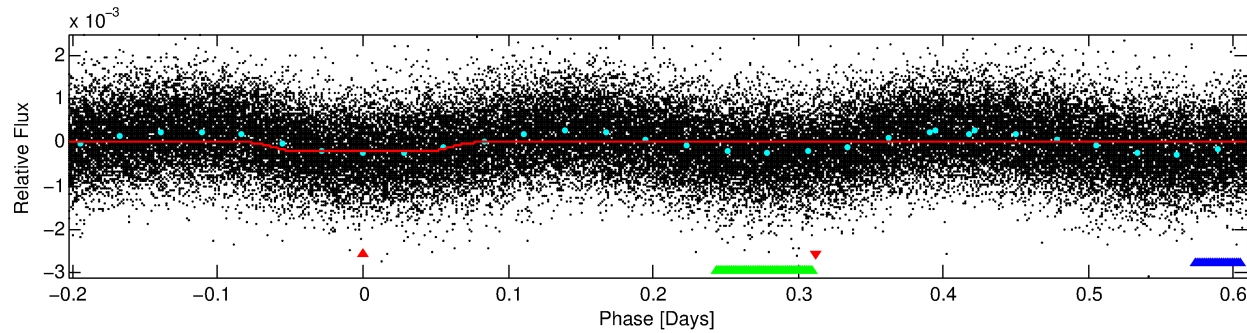
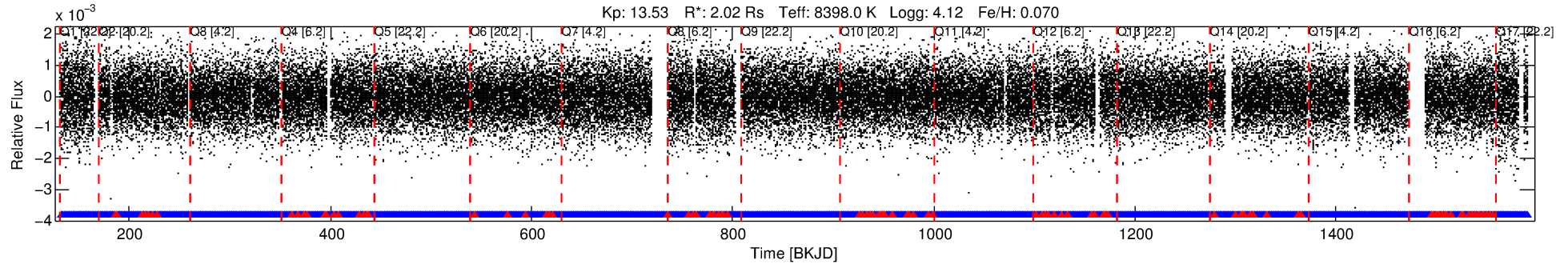
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011770258-01

No Significant Match Found

DV One-Page Summary

KIC: 11770258 Candidate: 1 of 3 Period: 0.812 d



DV Fit Results:

Period = 0.81214 [0.00000] d
Epoch = 131.9711 [0.0013] BKJD
Rp/R* = 0.0157 [0.0015]
a/R* = 1.28 [0.28]
b = 0.90 [0.12]
Seff = 40142.39 [13325.60]
Teff = 3609 [300] K
Rp = 3.45 [0.83] Re
a = 0.0212 [0.0040] AU
Ag = 0.67 [0.37] [-0.90 σ]
Teffp = 5042 [648] K [2.01 σ]

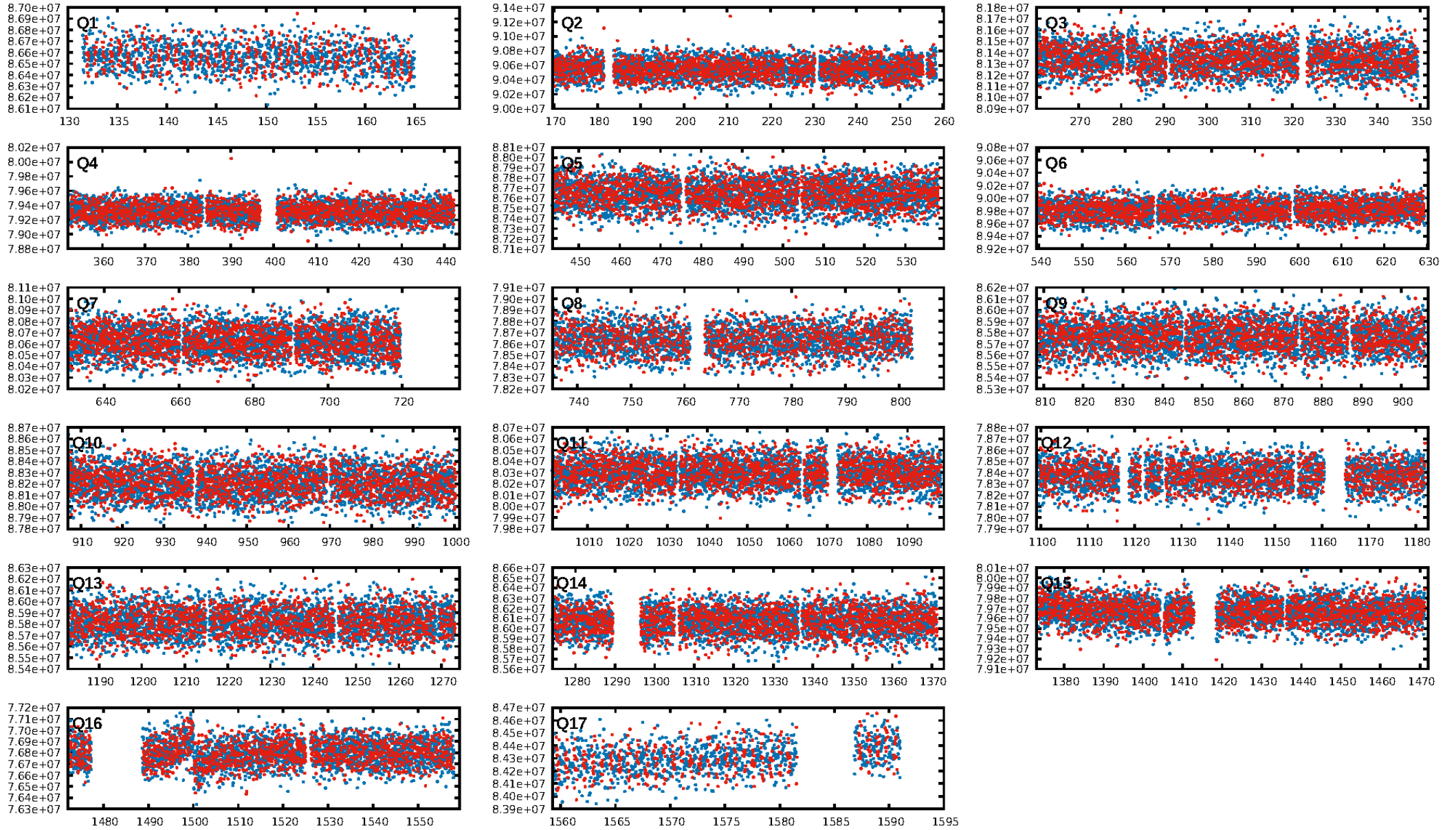
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.93 [1473/1579]
GhostDiagnostic-chr: 3.363
Centroid-sig: 0.0%
Centroid-so: 0.167 arcsec [1.16 σ]
OotOffset-rm: 0.083 arcsec [0.63 σ]
KicOffset-rm: 0.130 arcsec [1.05 σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 0.00 [0/17]

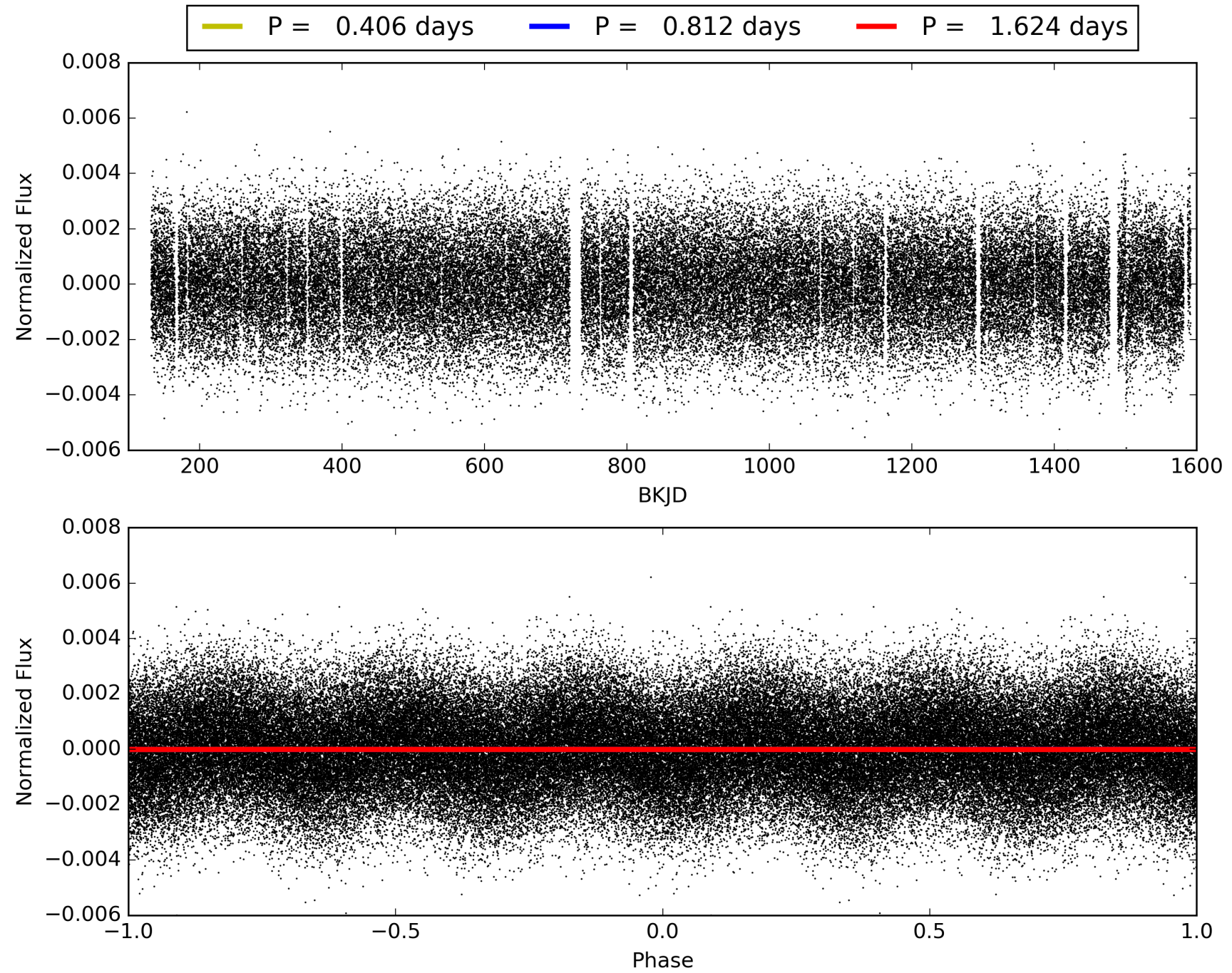
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:34:42 Z

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

TCE 011770258-01, PDC Light Curves

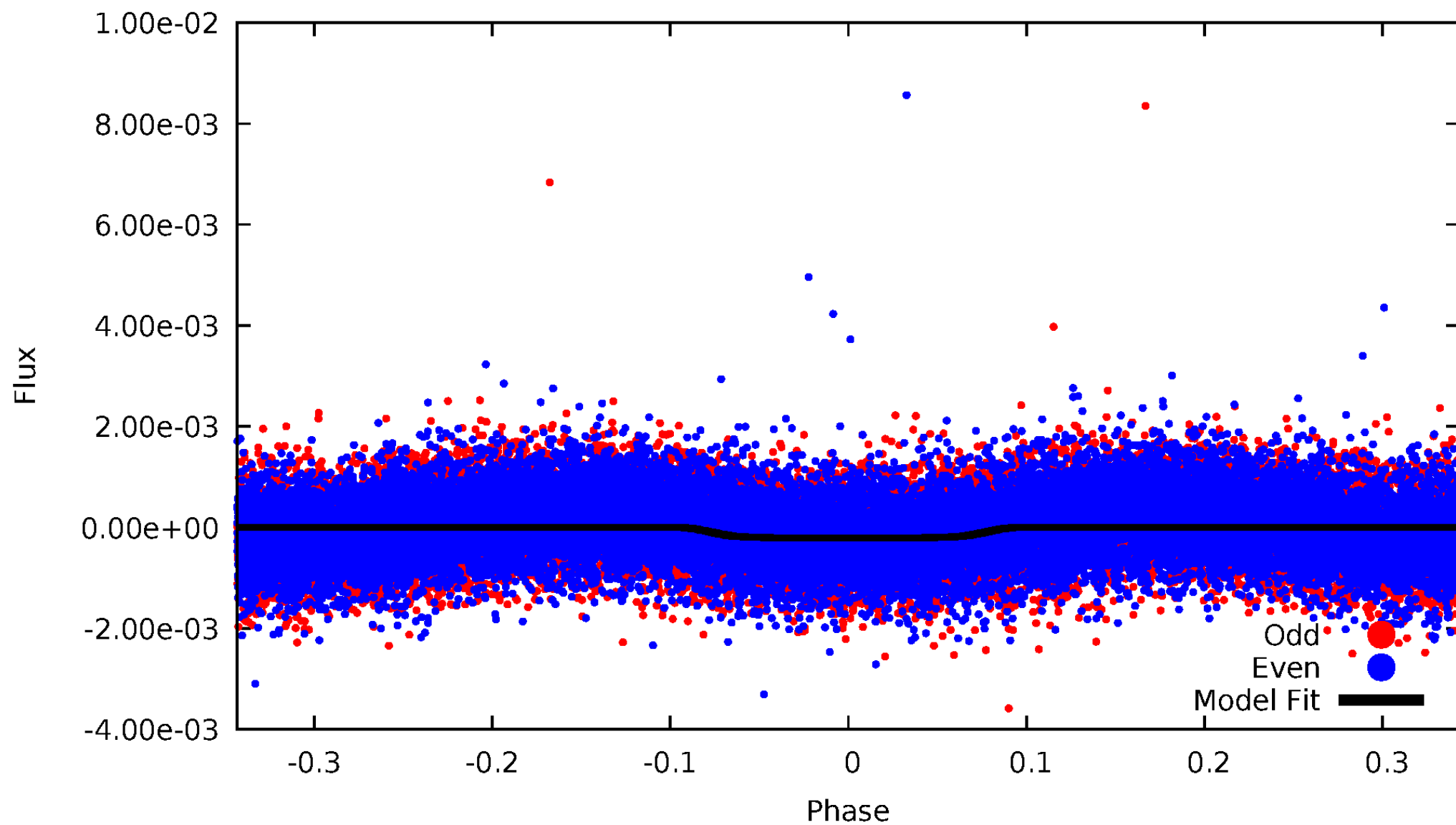


TCE 011770258-01



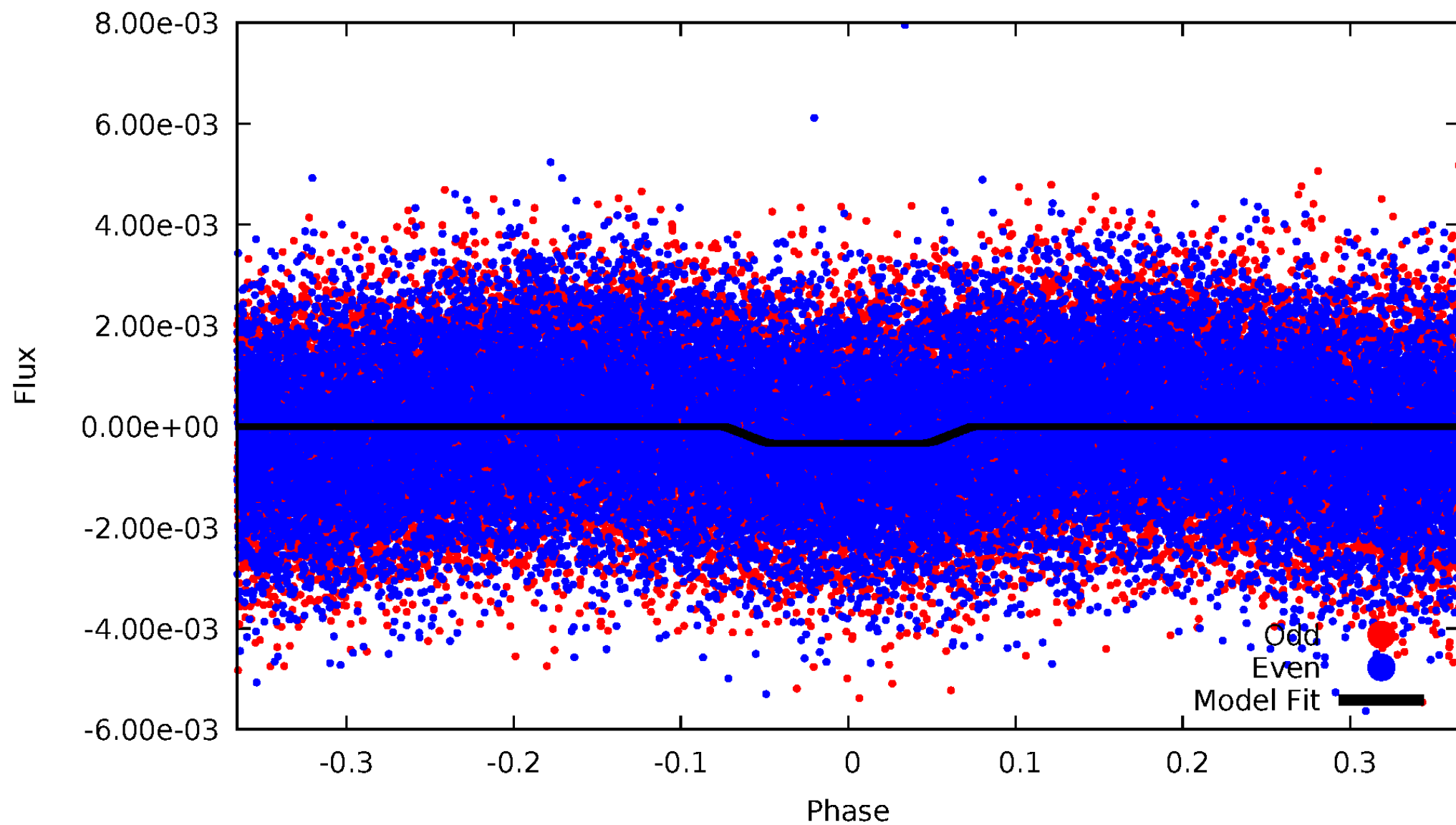
DV Odd/Even

TCE 011770258-01



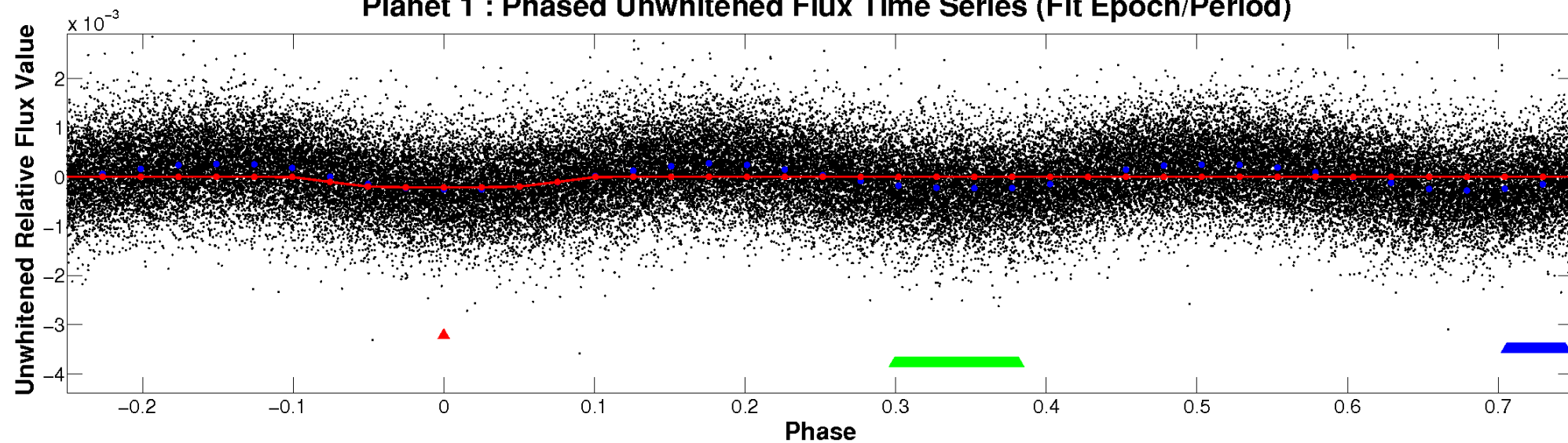
ALT Odd/Even

TCE 011770258-01

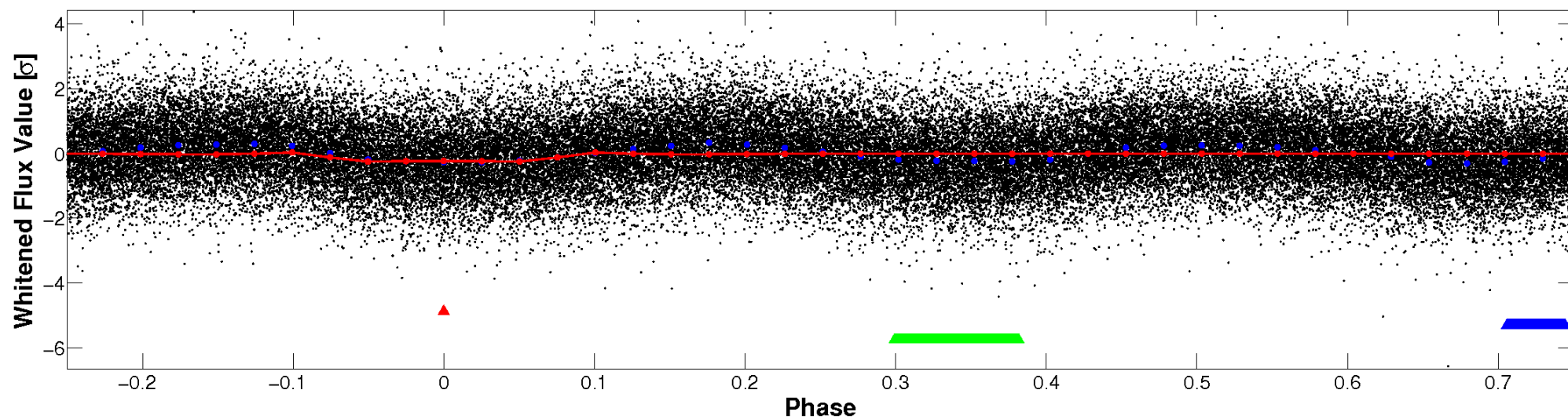


Non-Whitened Vs. Whitened Light Curve

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

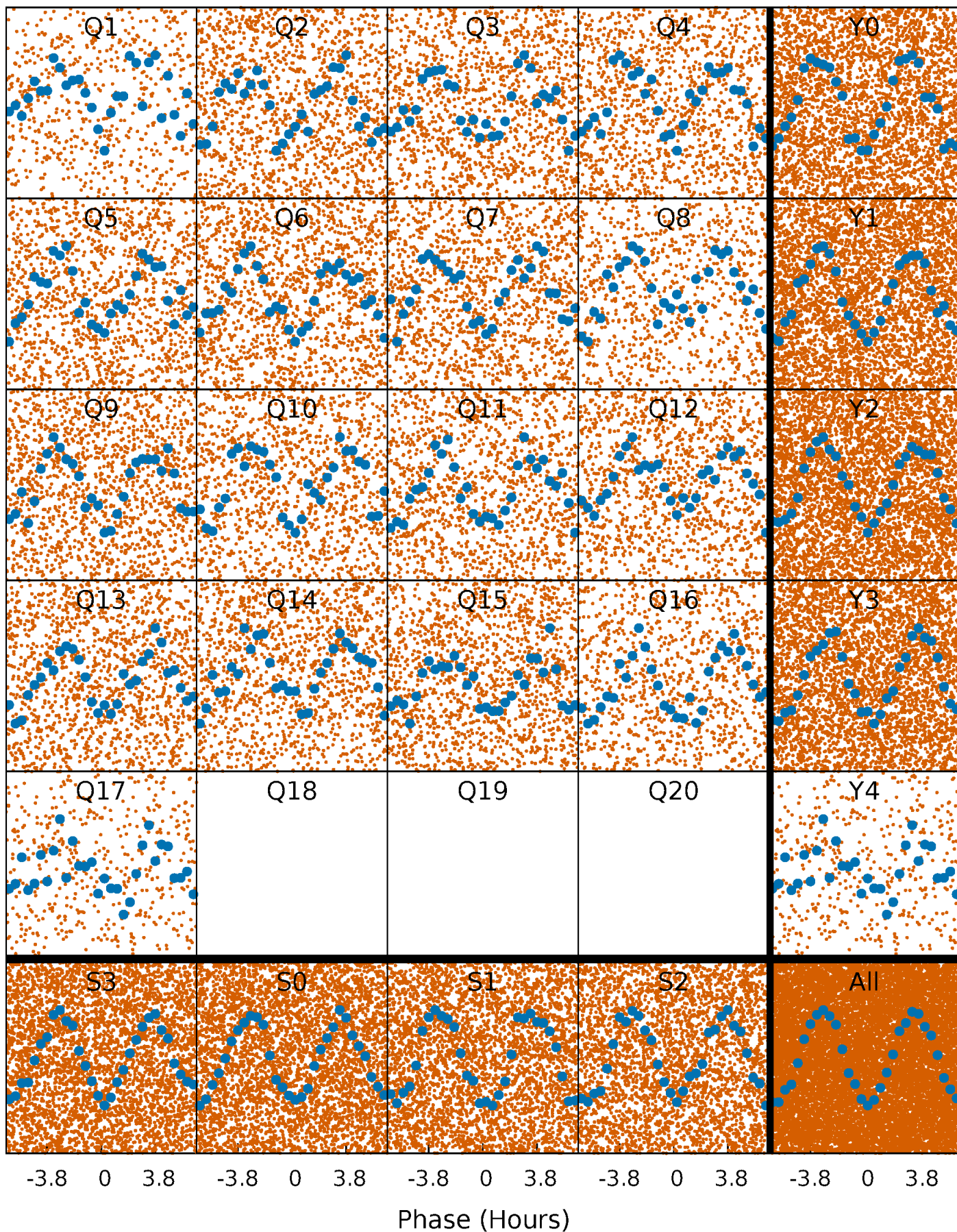


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



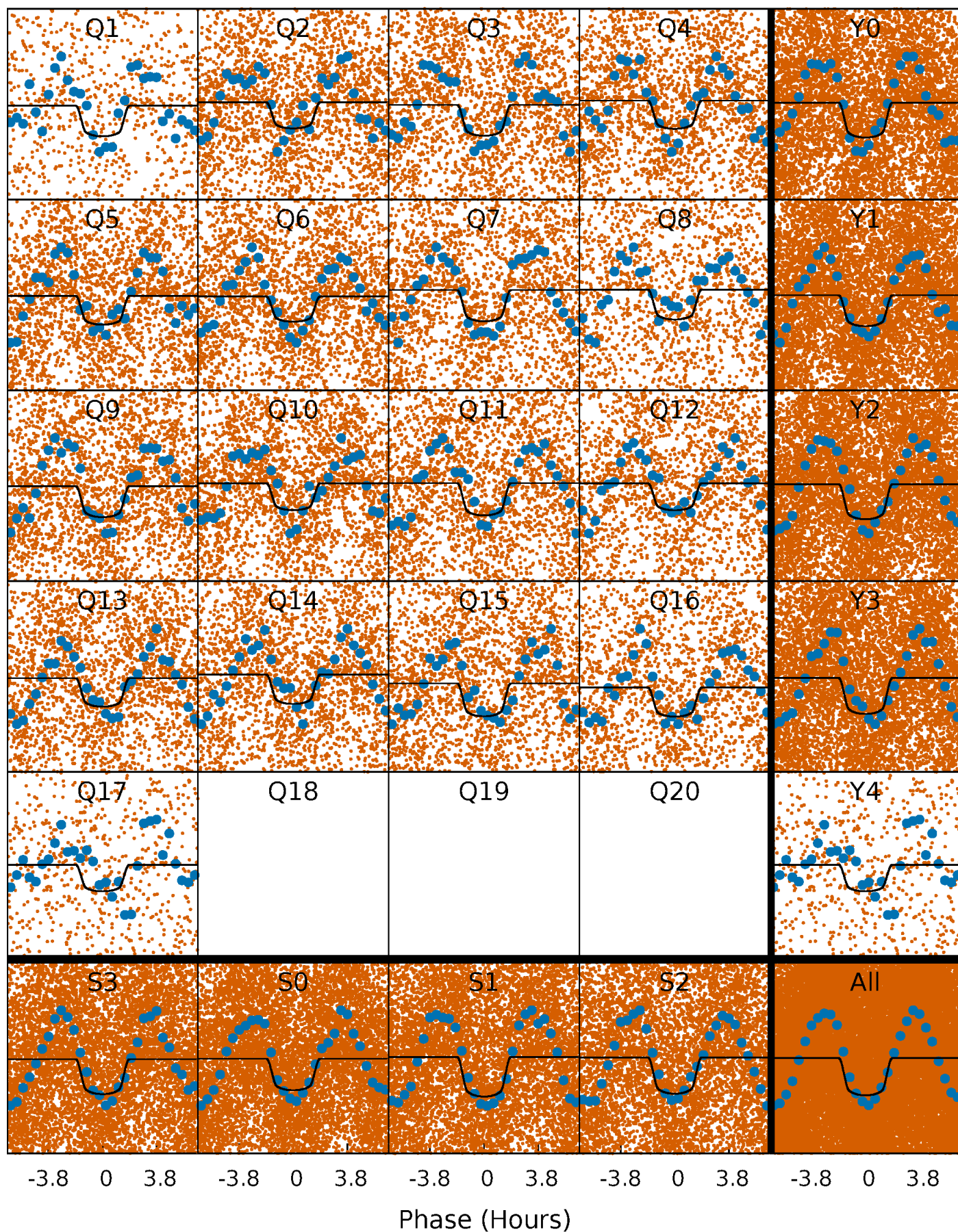
PDC Quarter-Phased Transit Curves

TCE 011770258-01 P= 0.812145 Days $T_0=131.971101$ (BKJD)



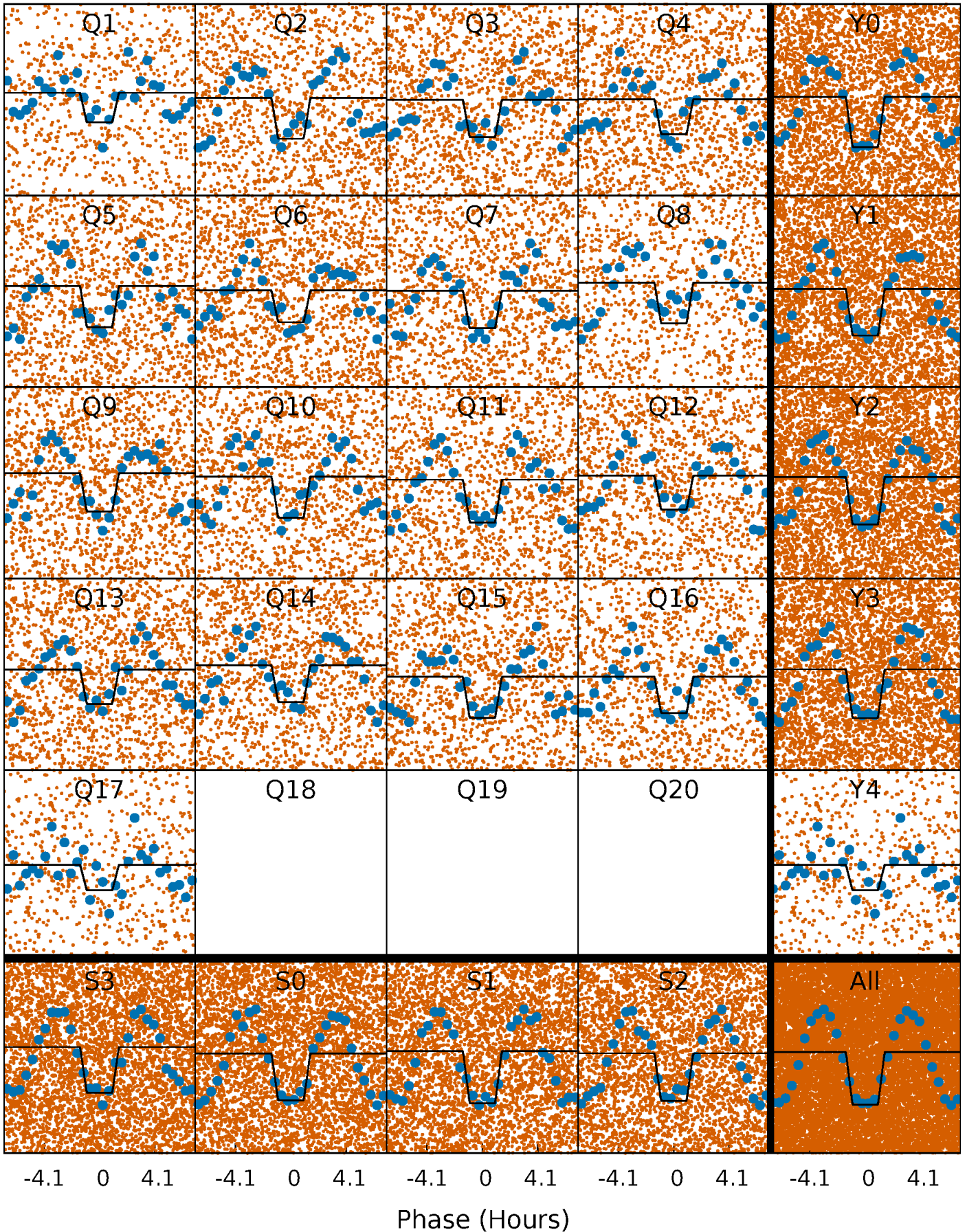
DV Quarter-Phased Transit Curves

TCE 011770258-01 P= 0.812145 Days $T_0=131.971101$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

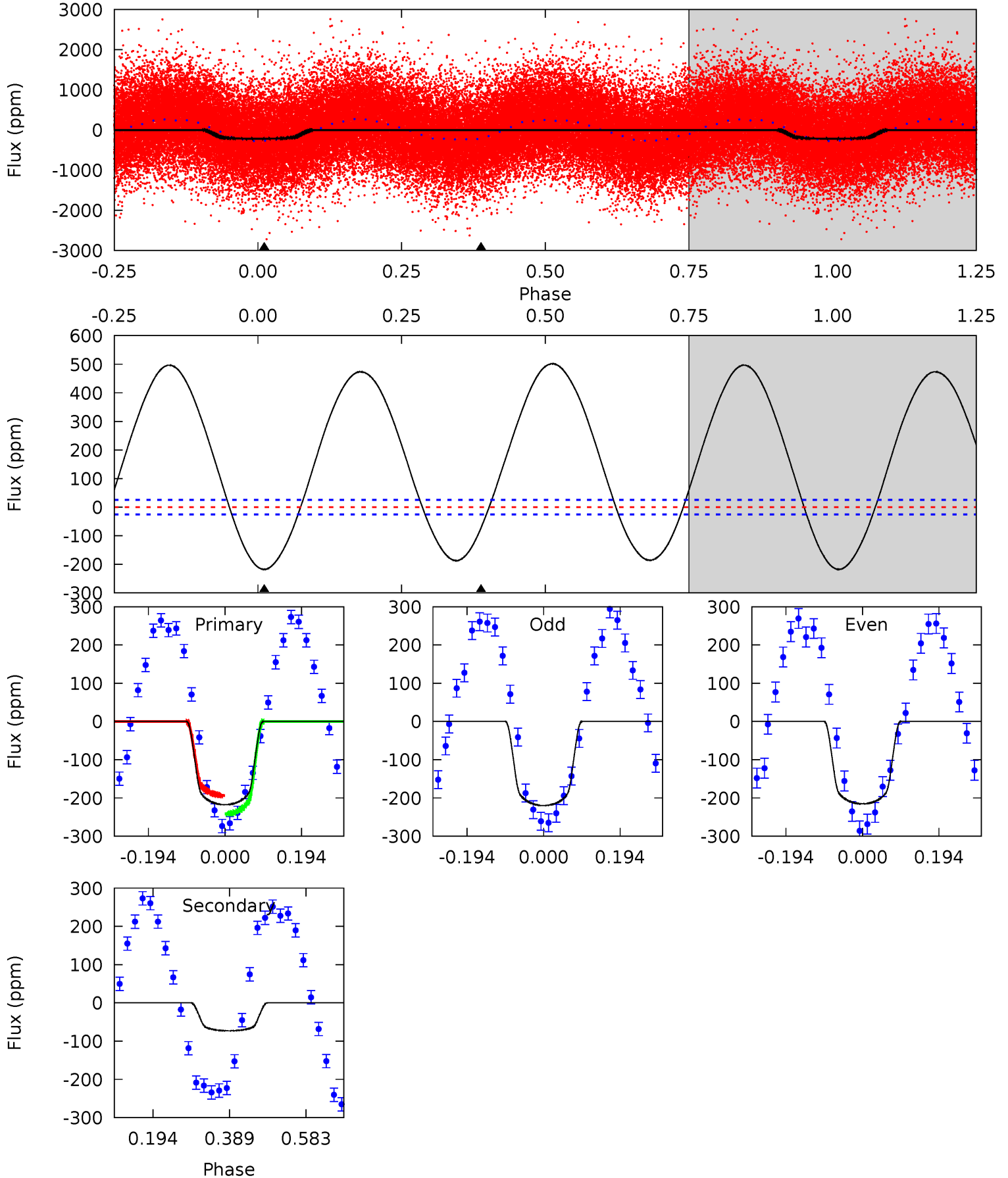
TCE 011770258-01 P= 0.812161 Days $T_0=131.968612$ (BKJD)



DV Model-Shift Uniqueness Test

011770258-01, P = 0.812145 Days, E = 131.158956 Days

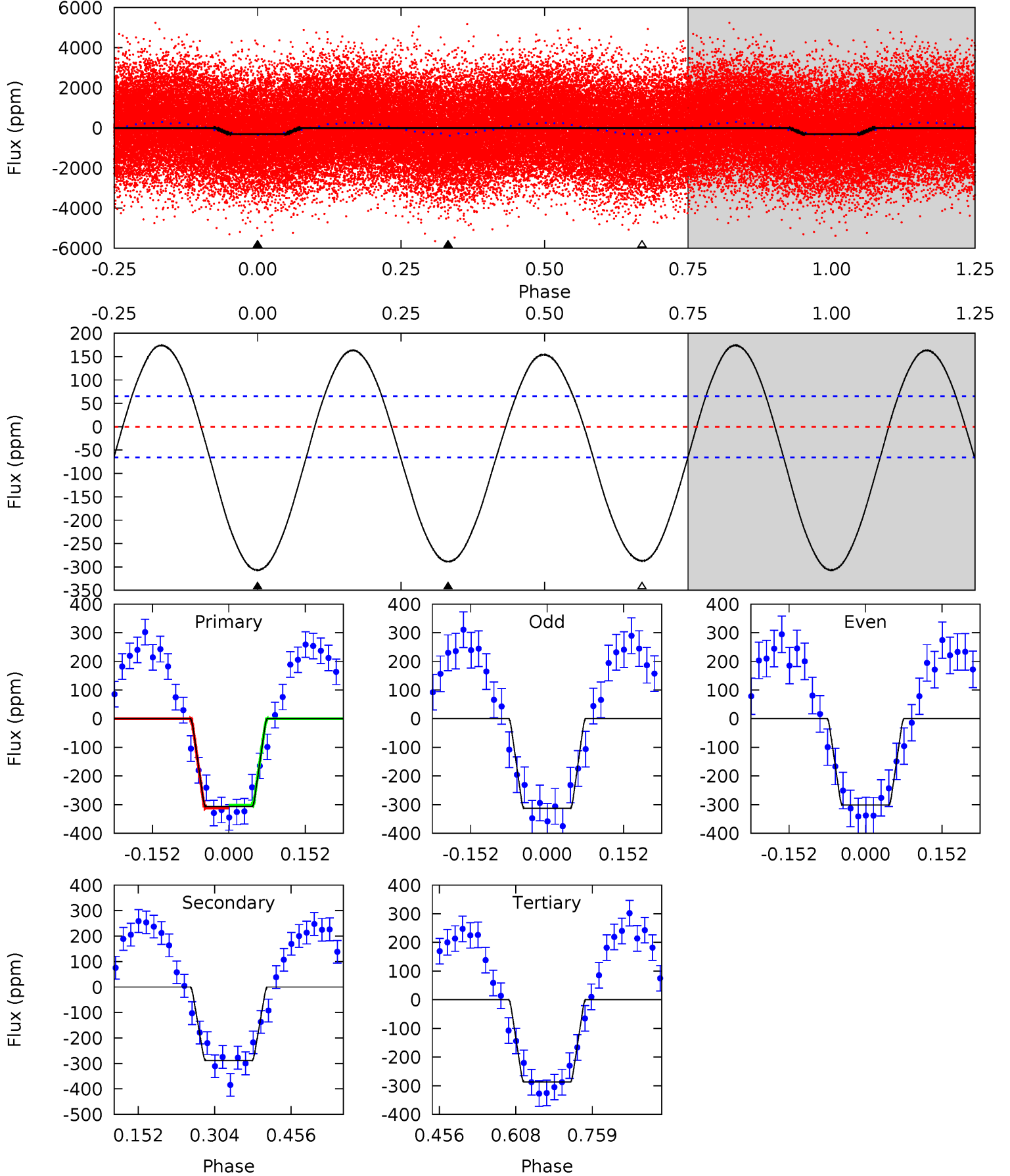
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
38.1	12.8	0	0	4.42	1.30	32.4	38.1	38.1	12.8	12.8	0.40	0.99	0.70	4.38



Alt Model-Shift Uniqueness Test

011770258-01, P = 0.812161 Days, E = 131.156451 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.0	19.8	19.7	0	4.48	1.43	11.4	1.36	21.0	0.11	19.8	0.38	0.95	0.36	0.33



Stellar Parameters For KIC 011770258

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	8398^{+203}_{-377}	$4.116^{+0.126}_{-0.154}$	$0.070^{+0.150}_{-0.550}$	$2.015^{+0.449}_{-0.449}$	$1.936^{+0.313}_{-0.383}$	$0.333^{+0.238}_{-0.139}$
	+2%/-4%	+3%/-4%	+214%/-786%	+22%/-22%	+16%/-20%	+71%/-42%
Source	KIC0	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 011770258-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-73 ± 6	$3.48^{+0.61}_{-0.53}$	5067^{+295}_{-365}	5614^{+422}_{-359}	$1.488^{+0.550}_{-0.391}$
Alt.	-289 ± 15	$4.06^{+0.65}_{-0.59}$	5061^{+320}_{-345}	7808^{+540}_{-470}	$4.373^{+1.292}_{-1.021}$

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

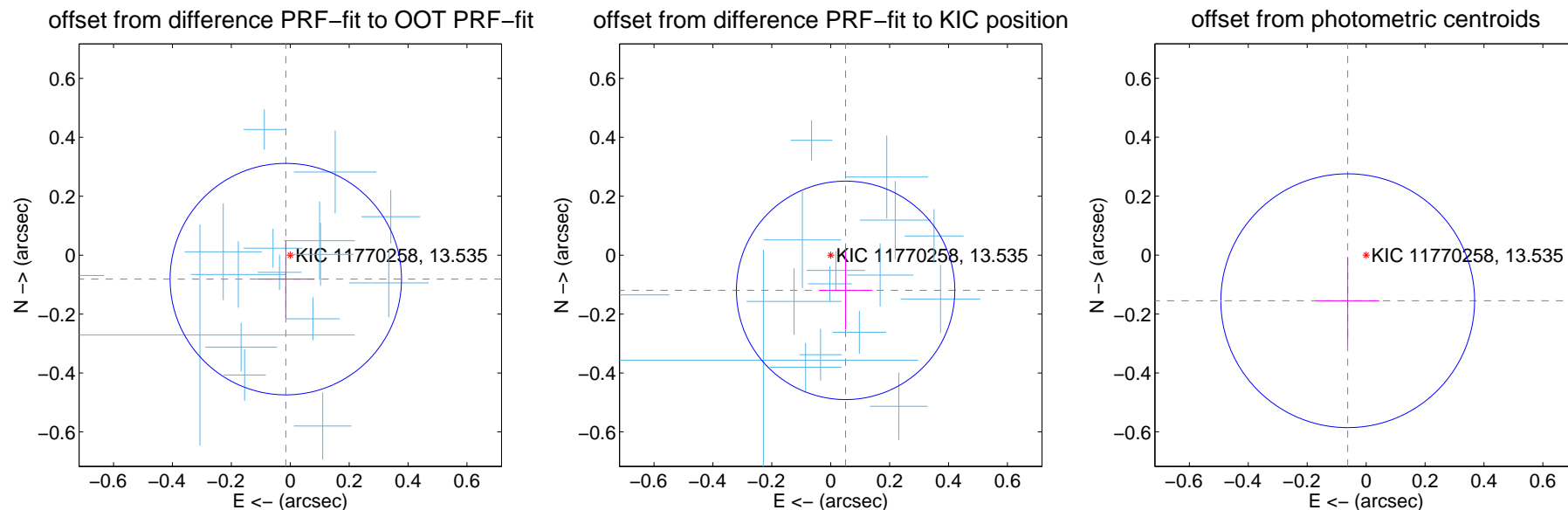
DV Centroid Data

Supplemental centroid analysis for 011770258-01. Kepler magnitude: 13.54. Transit SNR 22.56

There are 17 quarters with good PRF difference image offsets

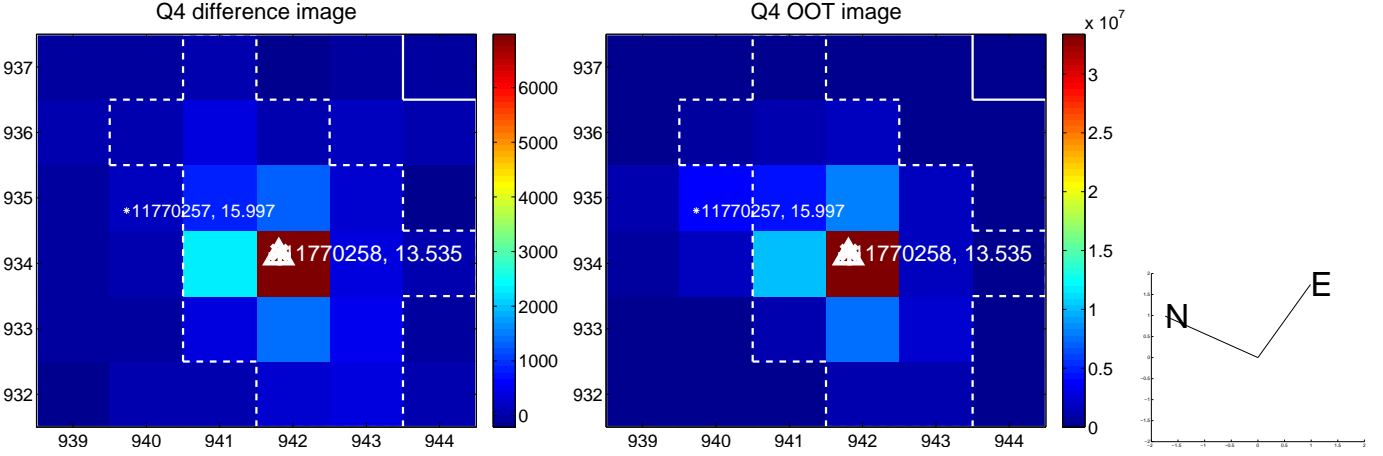
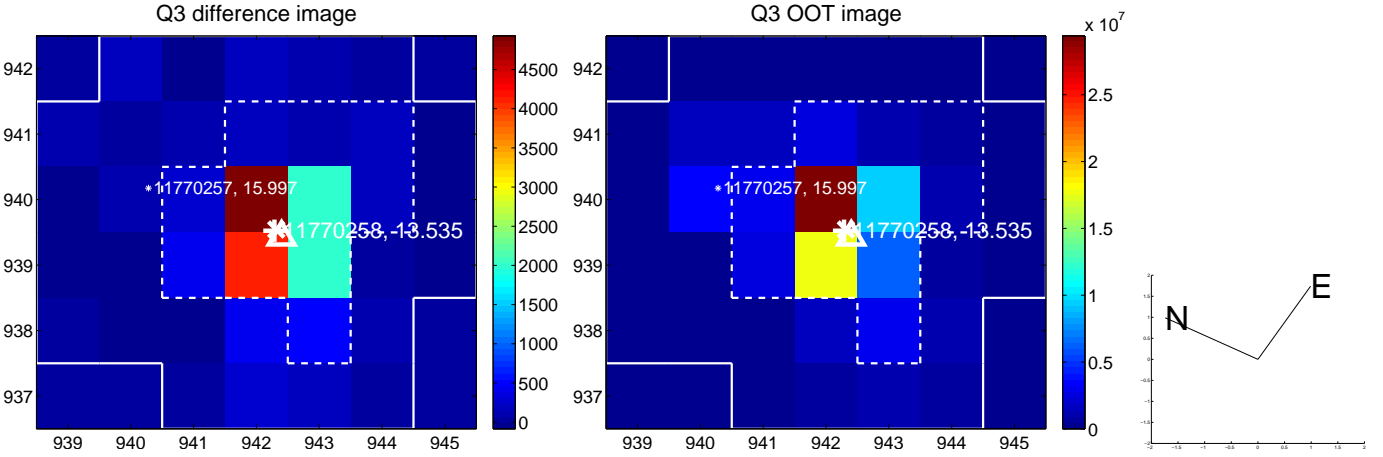
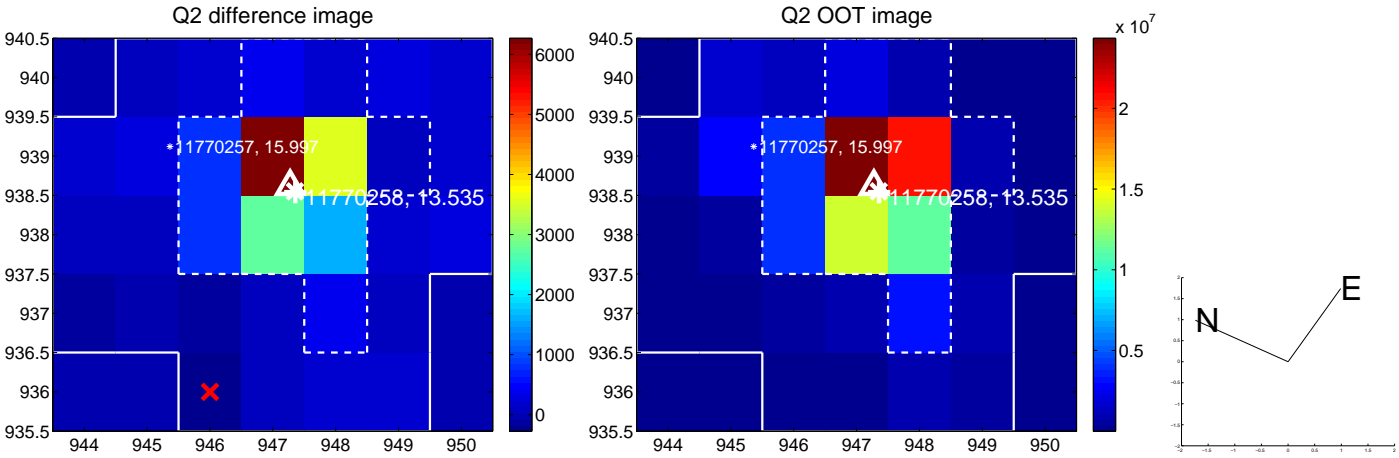
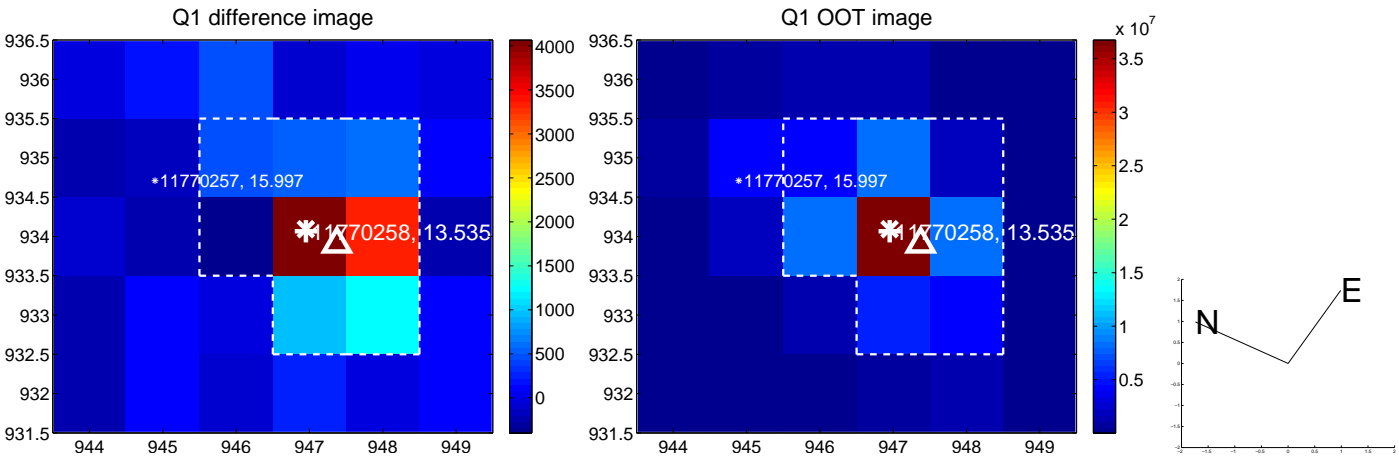
The direct PRF centroid is offset from the target star catalog position by about 0.12 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.083 ± 0.131	0.63	0.015 ± 0.097	-0.081 ± 0.131
PRF-fit source offset from KIC position	0.130 ± 0.124	1.05	-0.051 ± 0.091	-0.120 ± 0.132
photometric centroid source offset	0.17 ± 0.14	1.16	0.06 ± 0.11	-0.15 ± 0.15

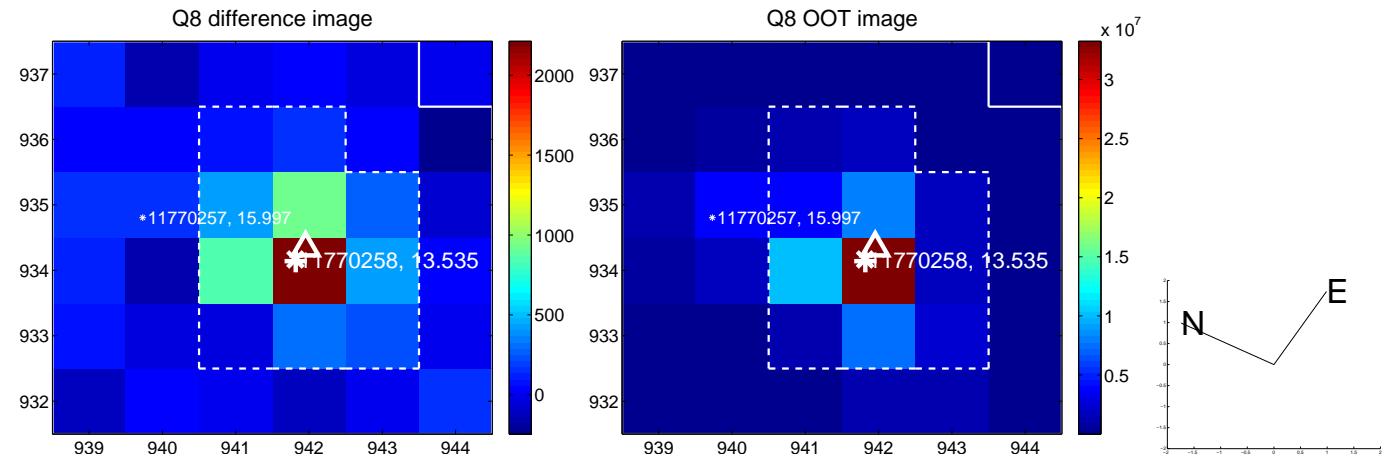
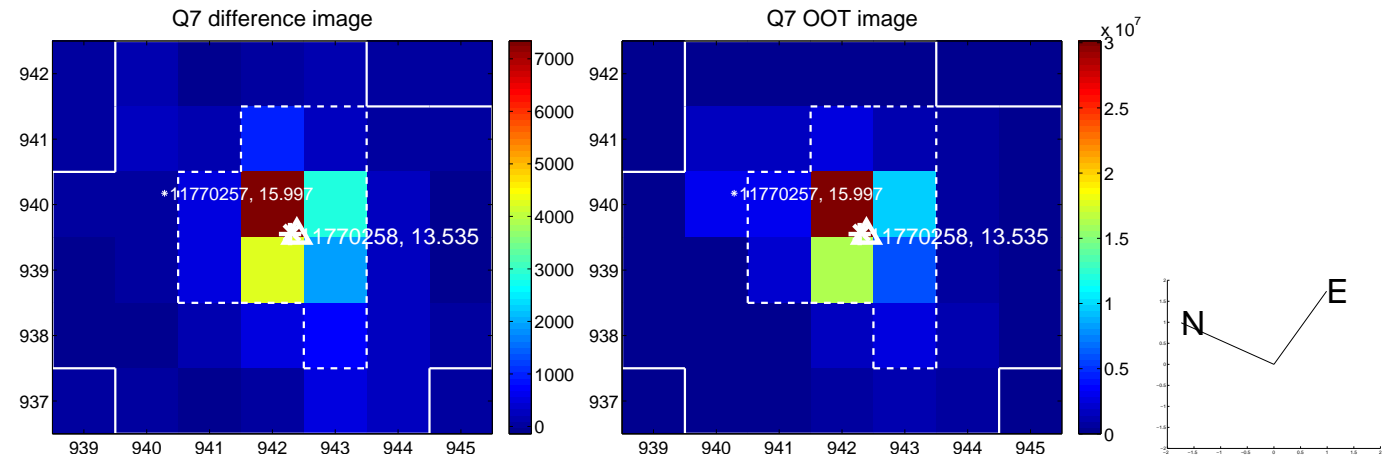
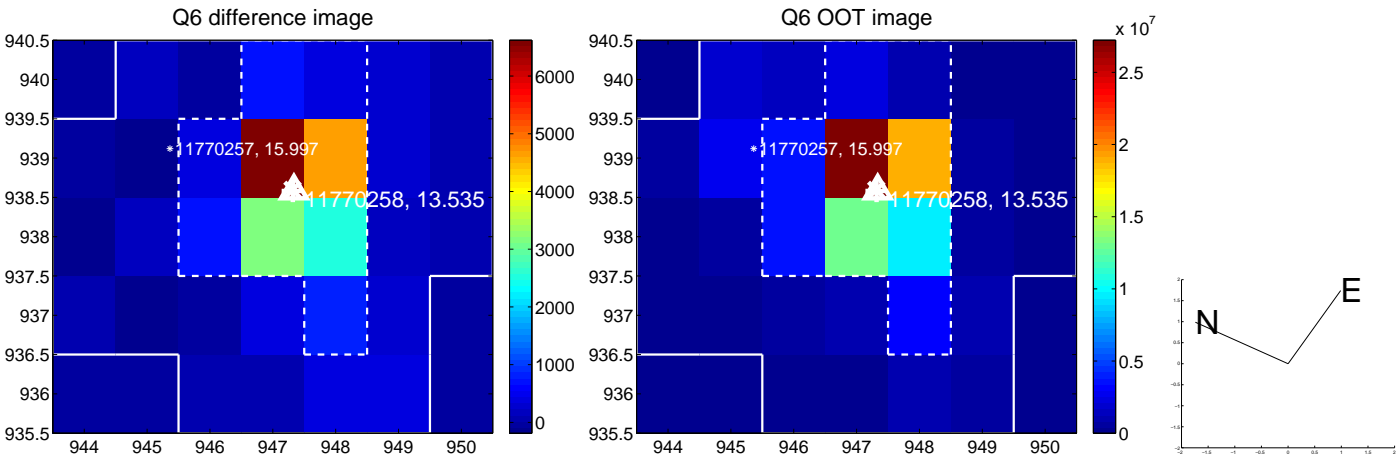
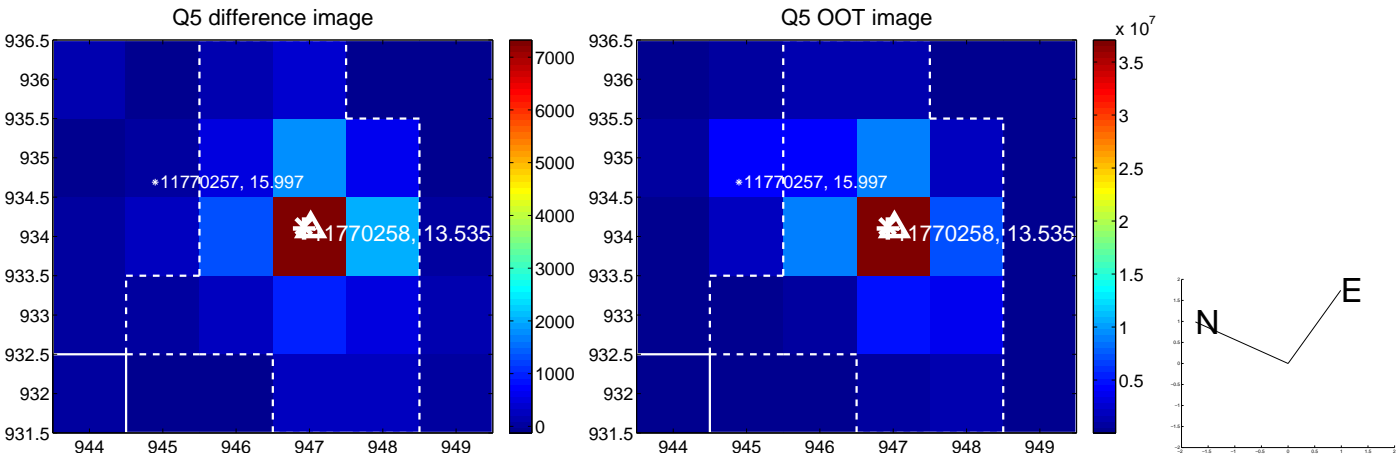


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ . Red *: target star. Blue *: Other stars. Text next to a star gives its KIC ID and kepmag. KIC IDs > 15,000,000 are from the UKIRT catalog.

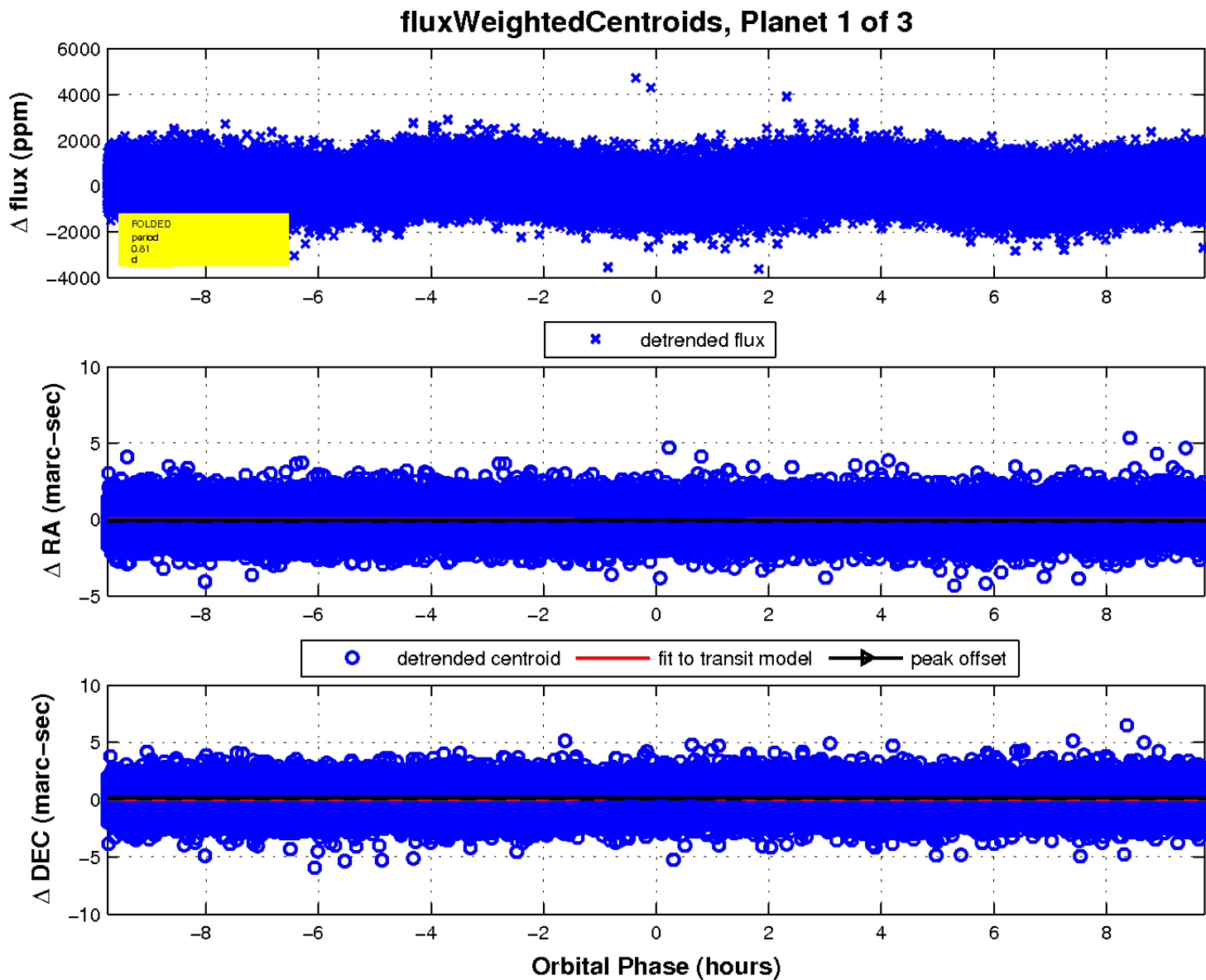
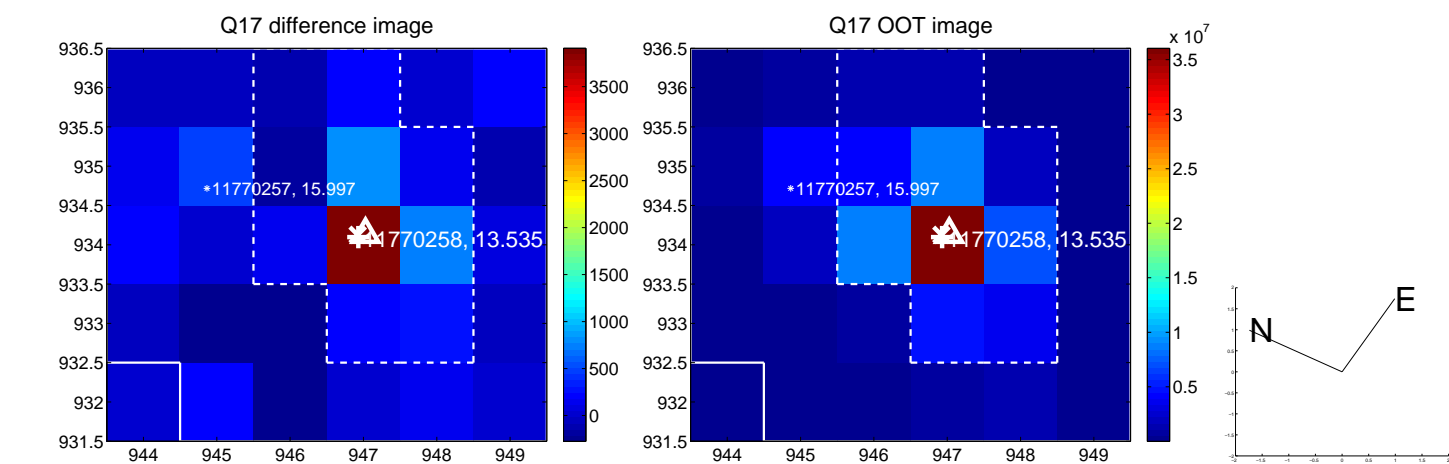
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

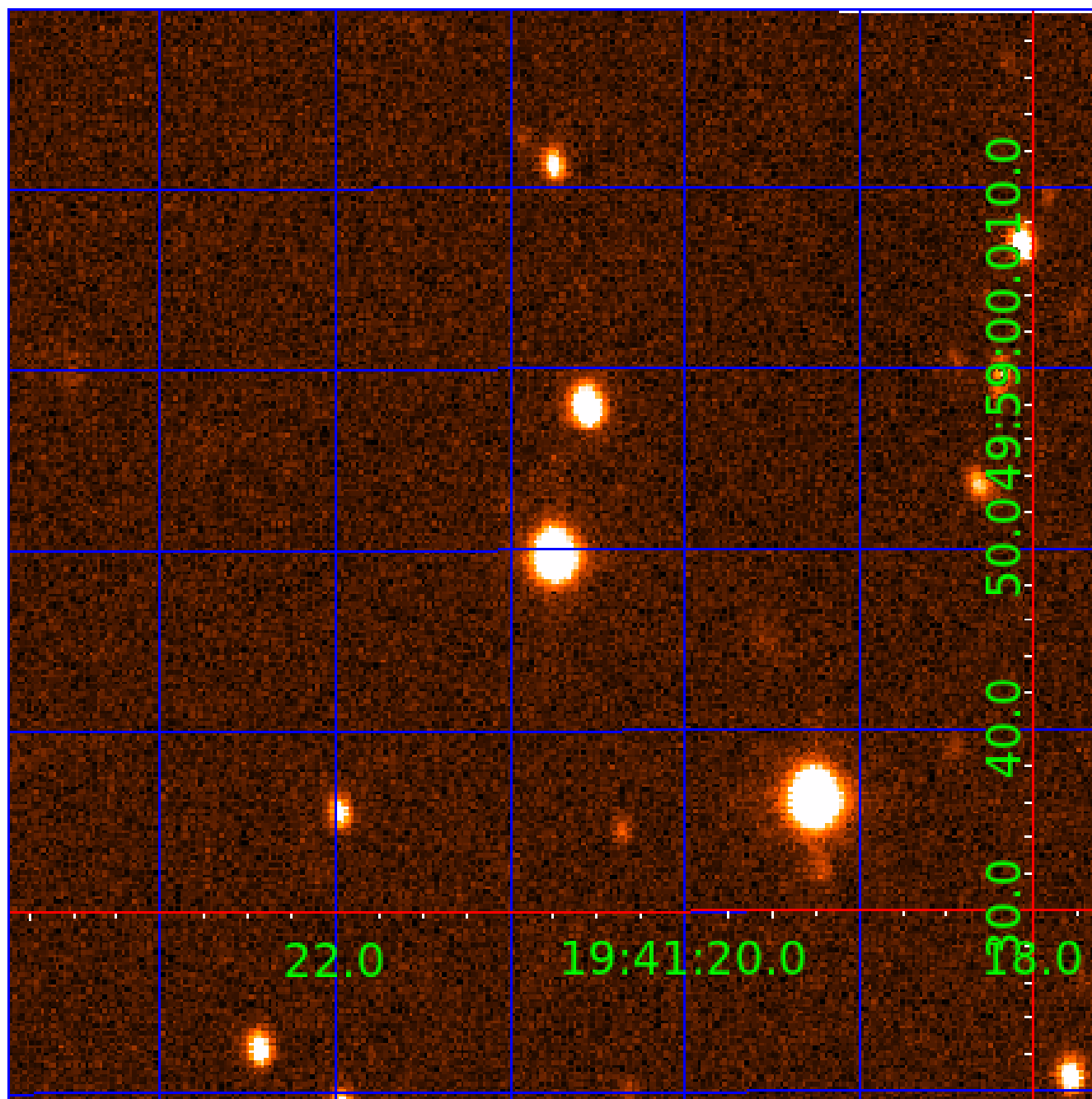


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011770258

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})
011770258-01	OBS	No	0.812145	131.971101	216.1	3.345	16.4	22.6	2.02	8398	3.44	40142.39
011770258-02	OBS	No	0.812162	131.732086	150.0	4.218	16.4	16.1	2.02	8398	2.55	40141.23
011770258-03	OBS	No	0.812182	132.214119	410.5	2.500	19.8	-1.0	2.02	8398	4.14	40139.93

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011770258-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011770258-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—LPP_ALT—SAME_NTL_PERIOD
011770258-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—NO_FITS—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.

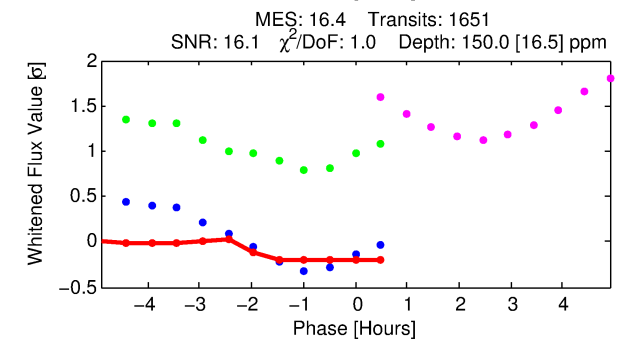
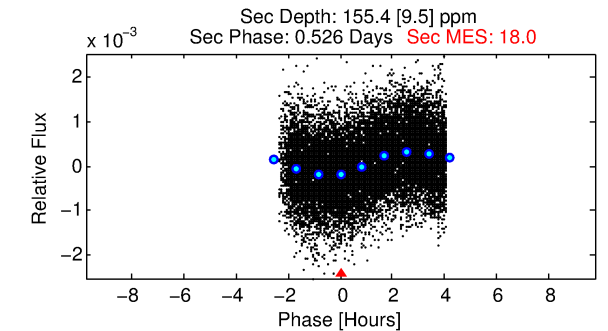
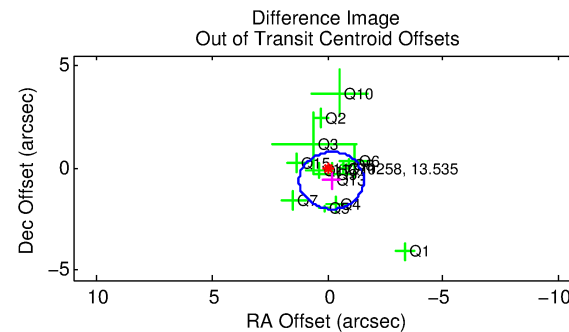
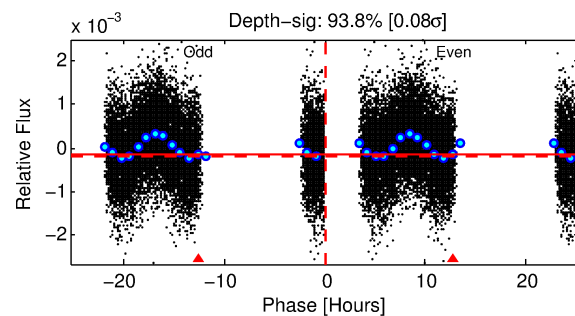
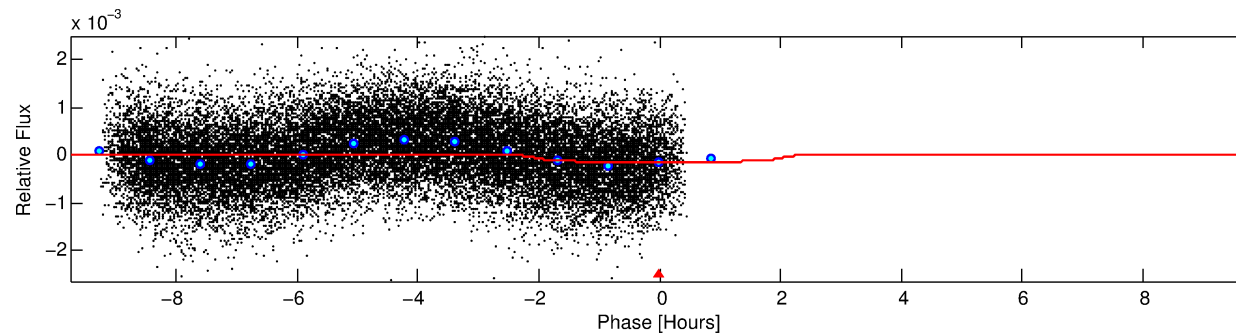
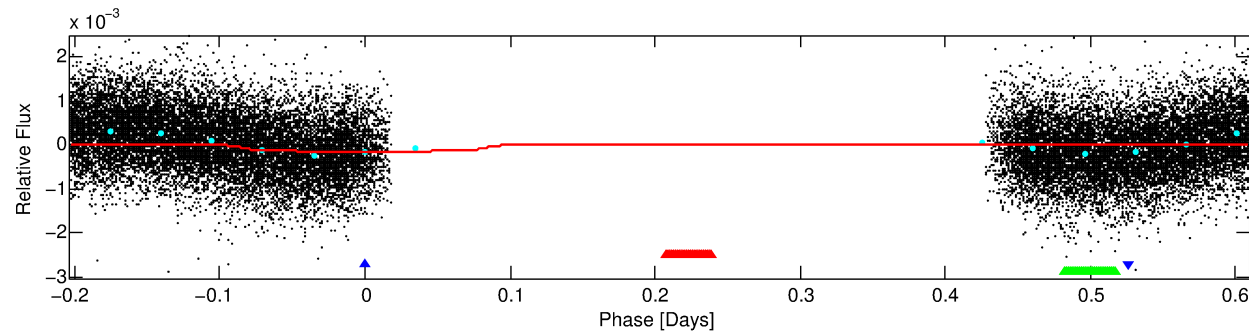
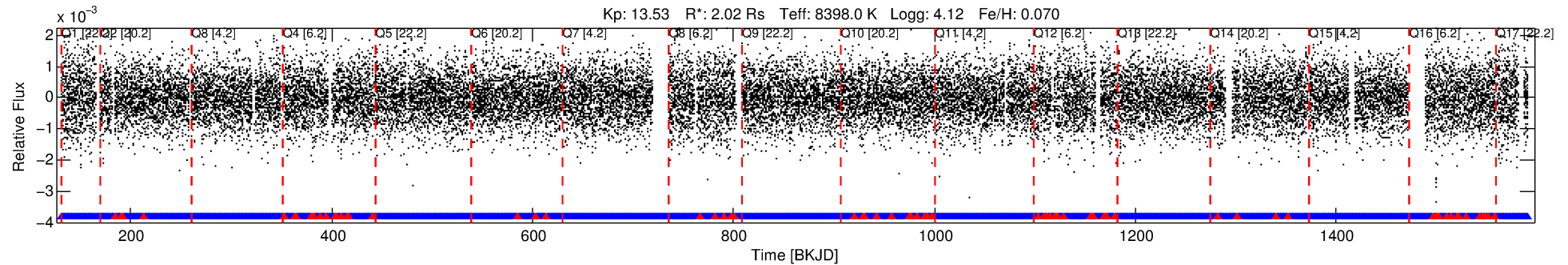
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011770258-02

No Significant Match Found

DV One-Page Summary

KIC: 11770258 Candidate: 2 of 3 Period: 0.812 d



DV Fit Results:

Period = 0.81216 [0.00001] d
Epoch = 131.7321 [0.0080] BKJD
Rp/R* = 0.0116 [0.0095]
a/R* = 1.51 [4.15]
b = 0.45 [8.83]
Seff = 40141.23 [13325.22]
Teq = 3609 [300] K
Rp = 2.55 [2.17] Re
a = 0.0212 [0.0040] AU
Ag = 5.94 [9.91] [0.50 σ]
Teffp = 8711 [3605] K [1.41 σ]

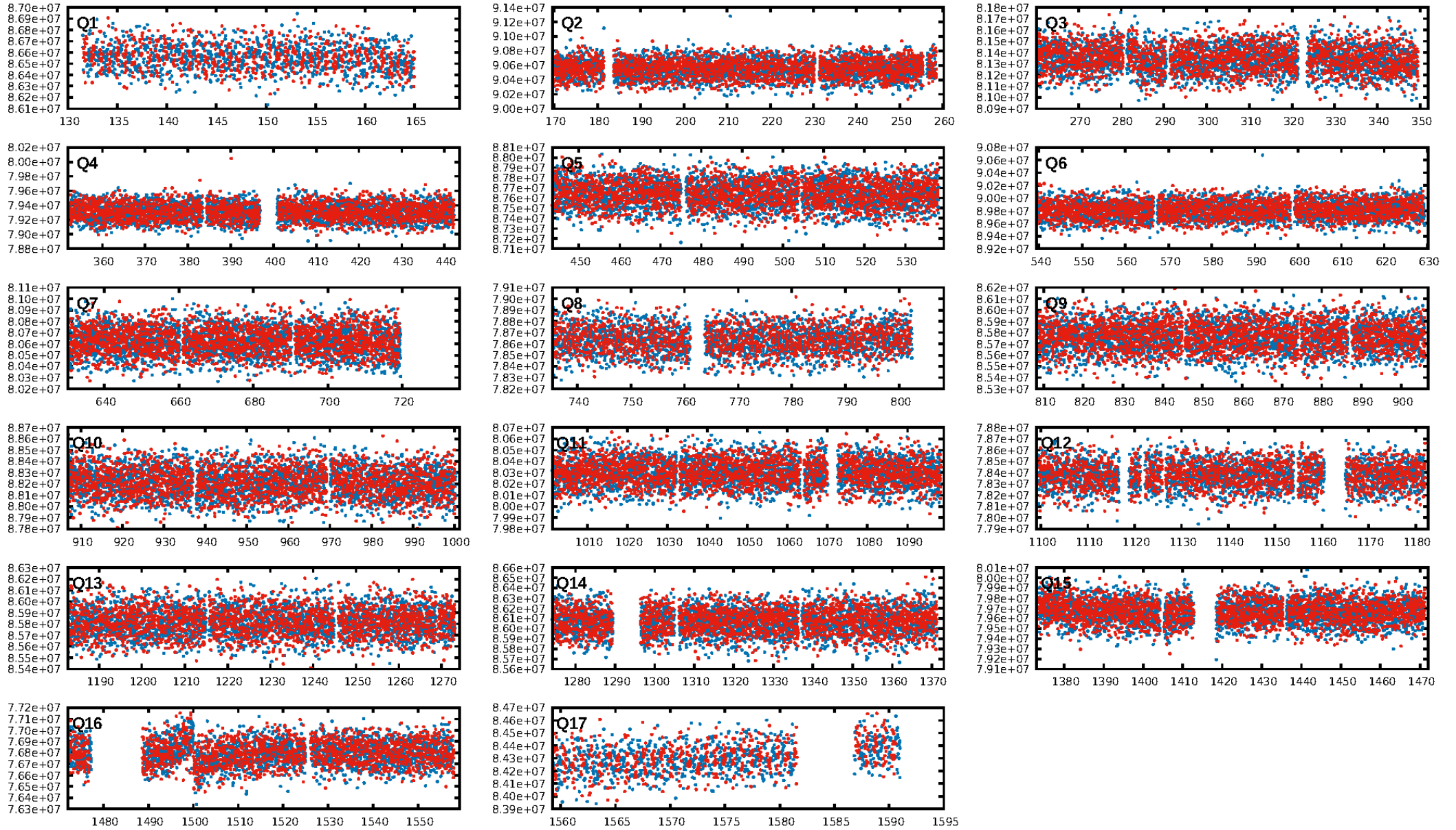
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.95 [1505/1576]
GhostDiagnostic-chr: 2.664
Centroid-sig: 4.5%
Centroid-so: 0.382 arcsec [2.54 σ]
OotOffset-rm: 0.657 arcsec [1.41 σ]
OotOffset-st: 3/4/2/5 [14]
KicOffset-rm: 0.773 arcsec [1.53 σ]
KicOffset-st: 3/4/2/5 [14]
DiffImageQuality-fgm: 0.57 [8/14]
DiffImageOverlap-fno: 0.00 [0/17]

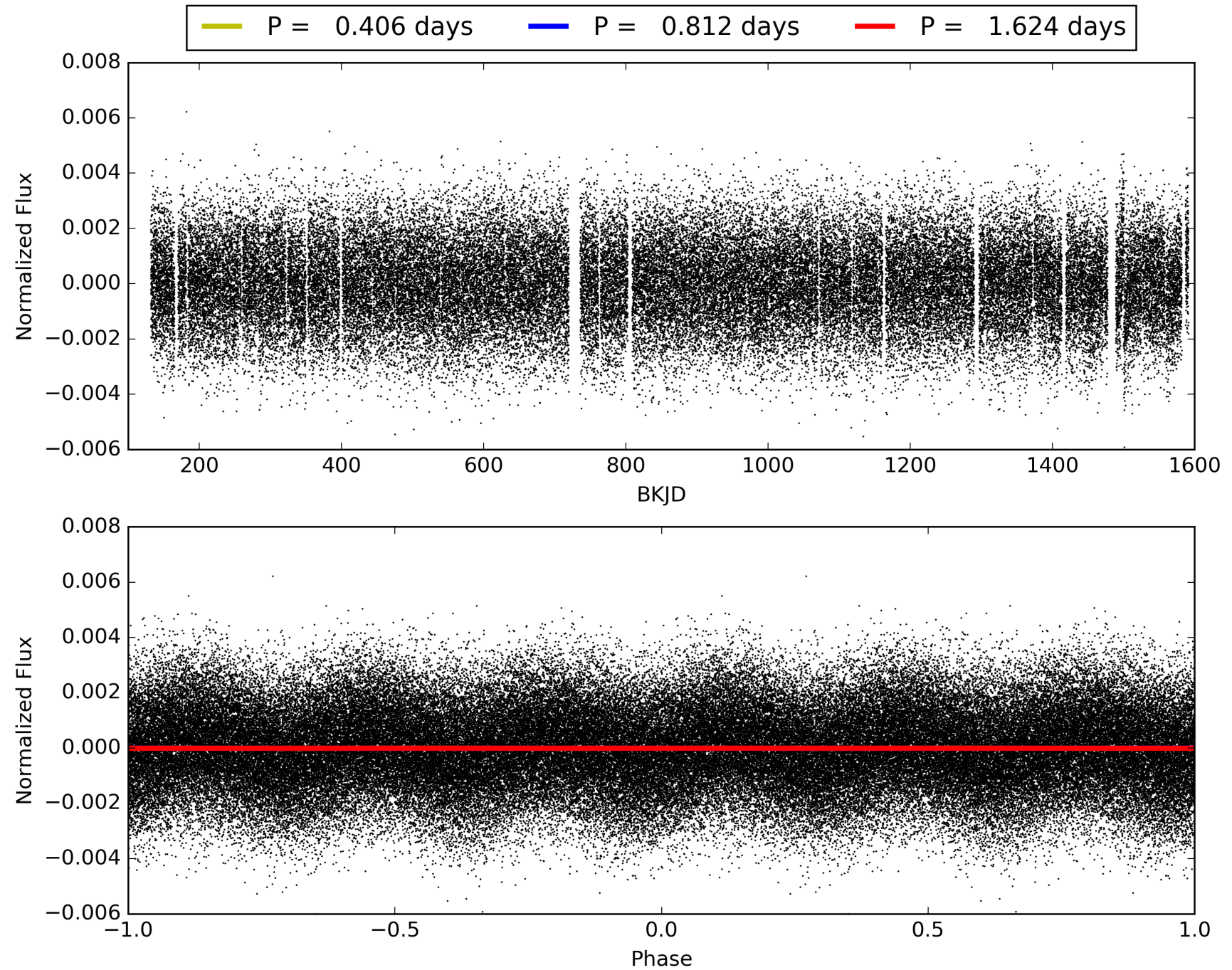
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:34:56 Z

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

TCE 011770258-02, PDC Light Curves

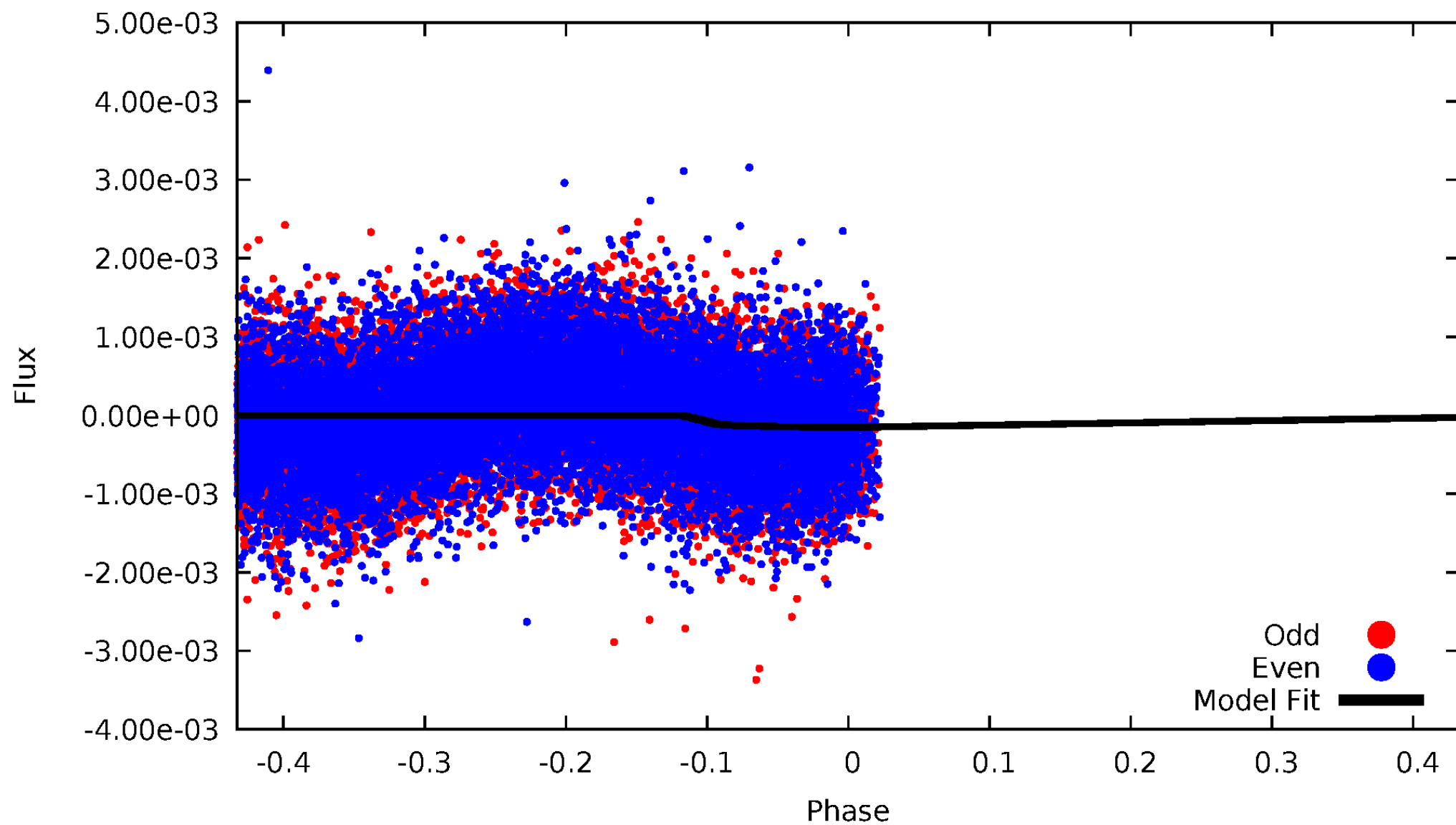


TCE 011770258-02



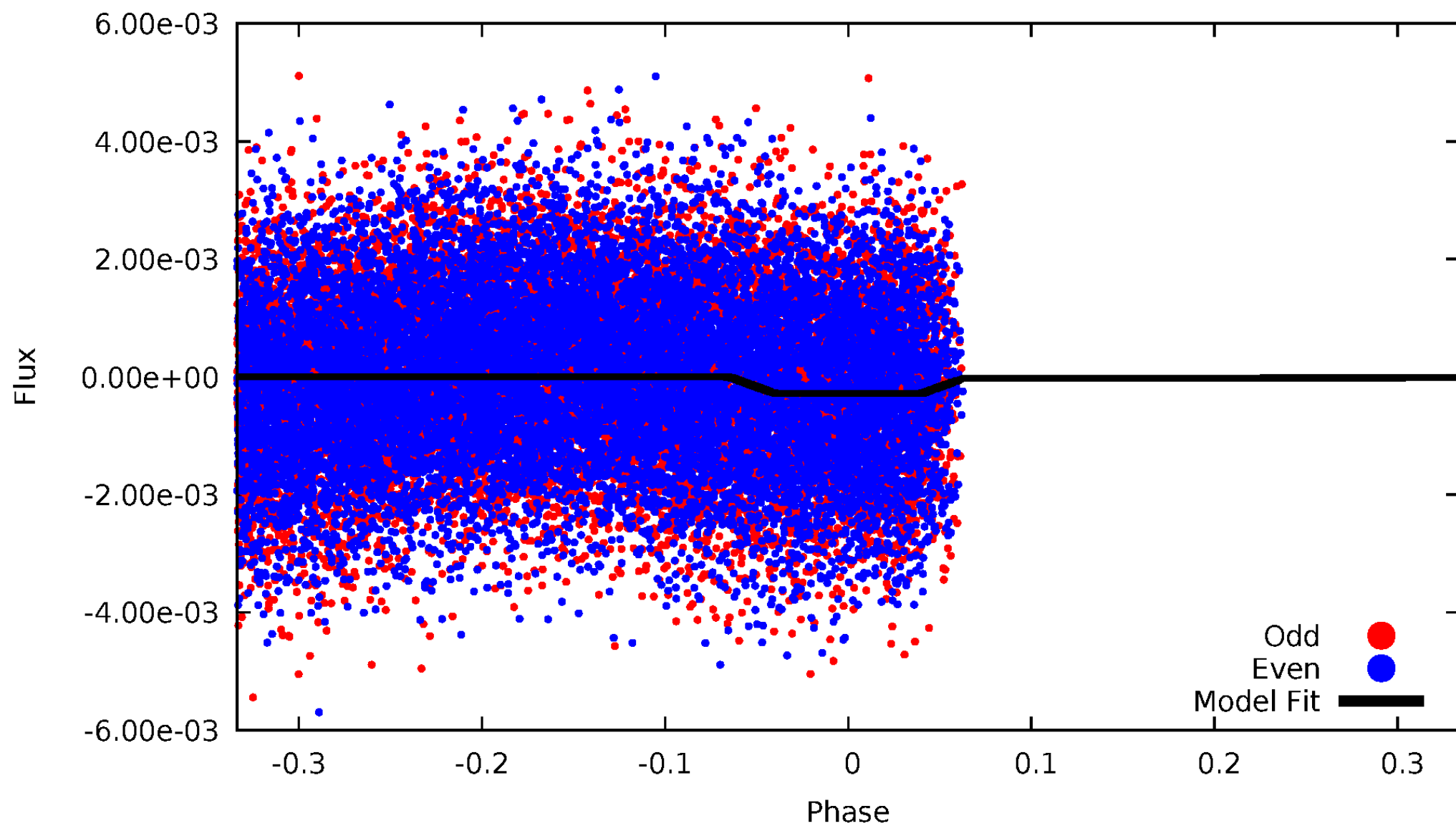
DV Odd/Even

TCE 011770258-02



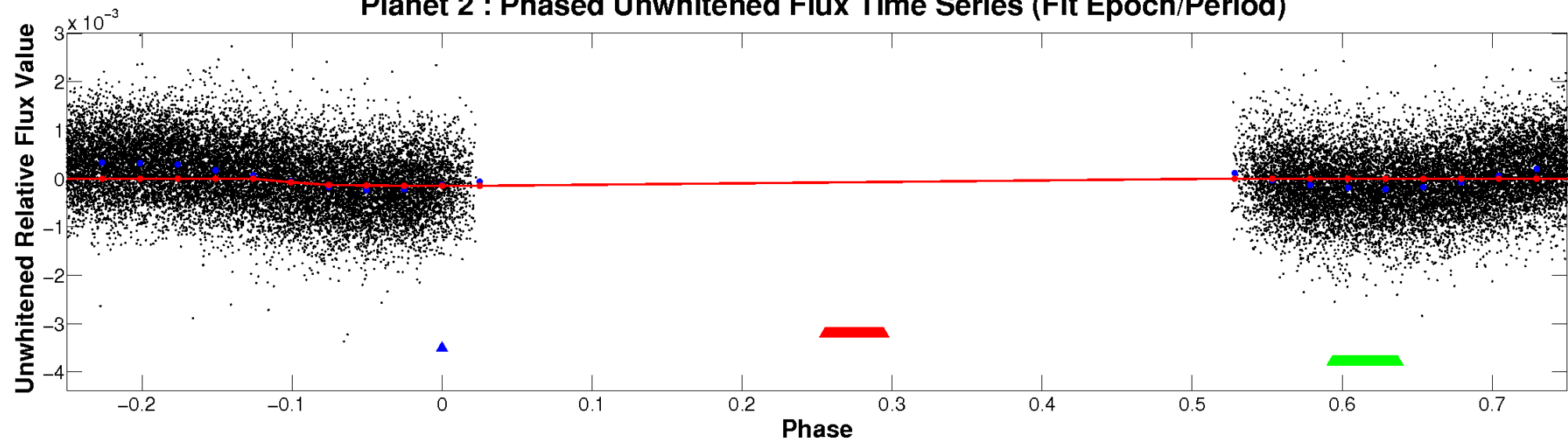
ALT Odd/Even

TCE 011770258-02

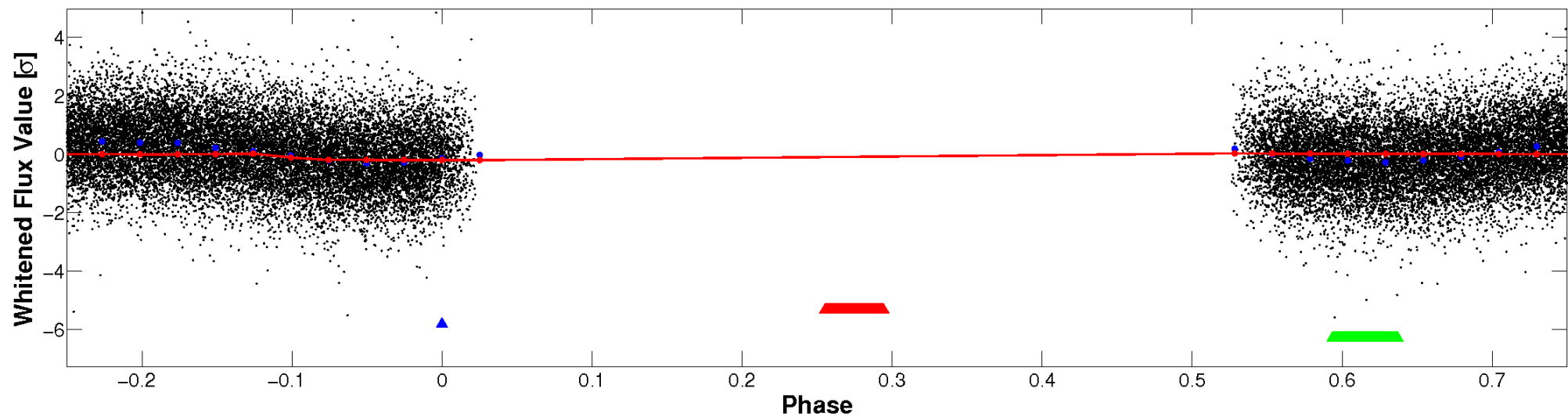


Non-Whitened Vs. Whitened Light Curve

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

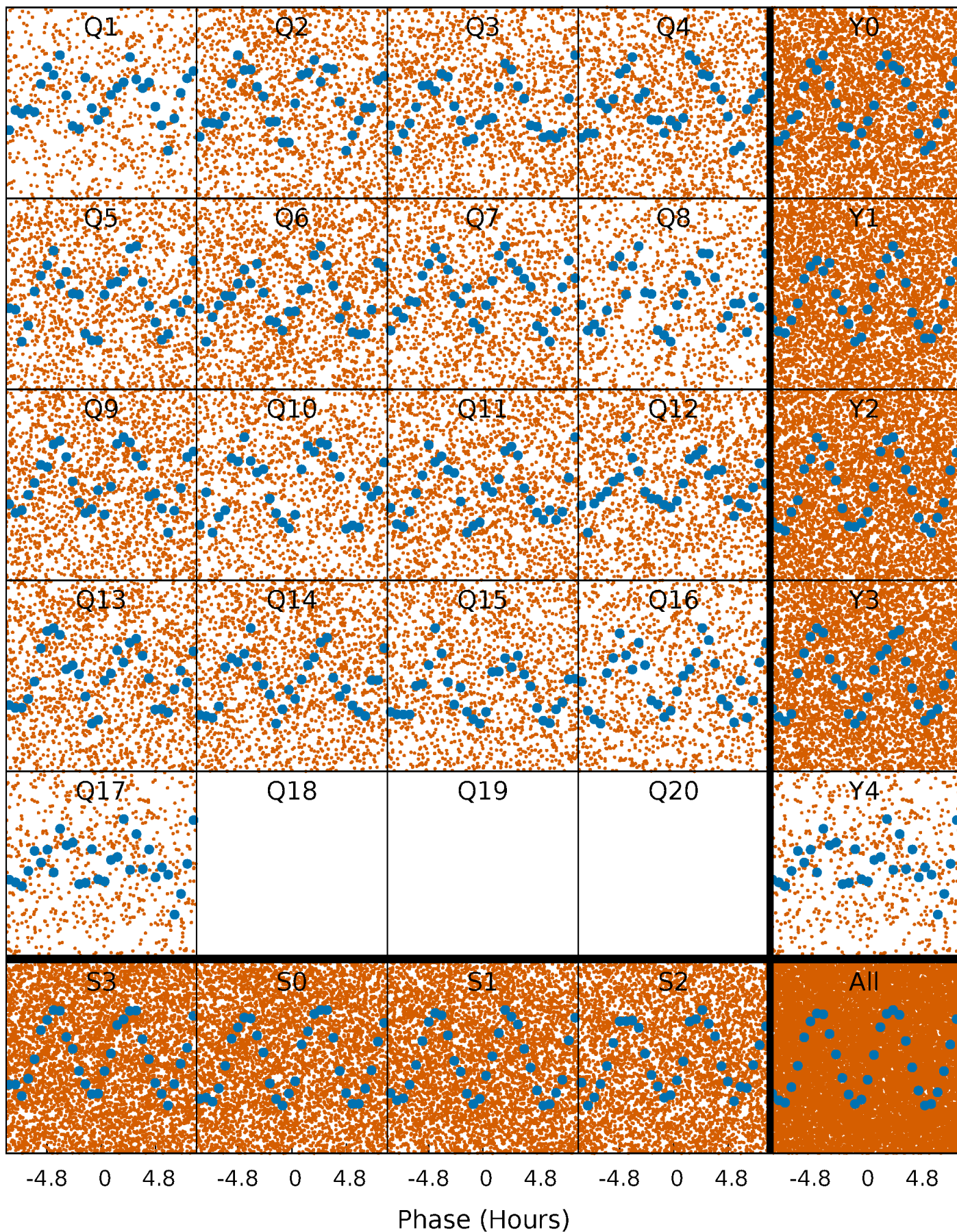


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



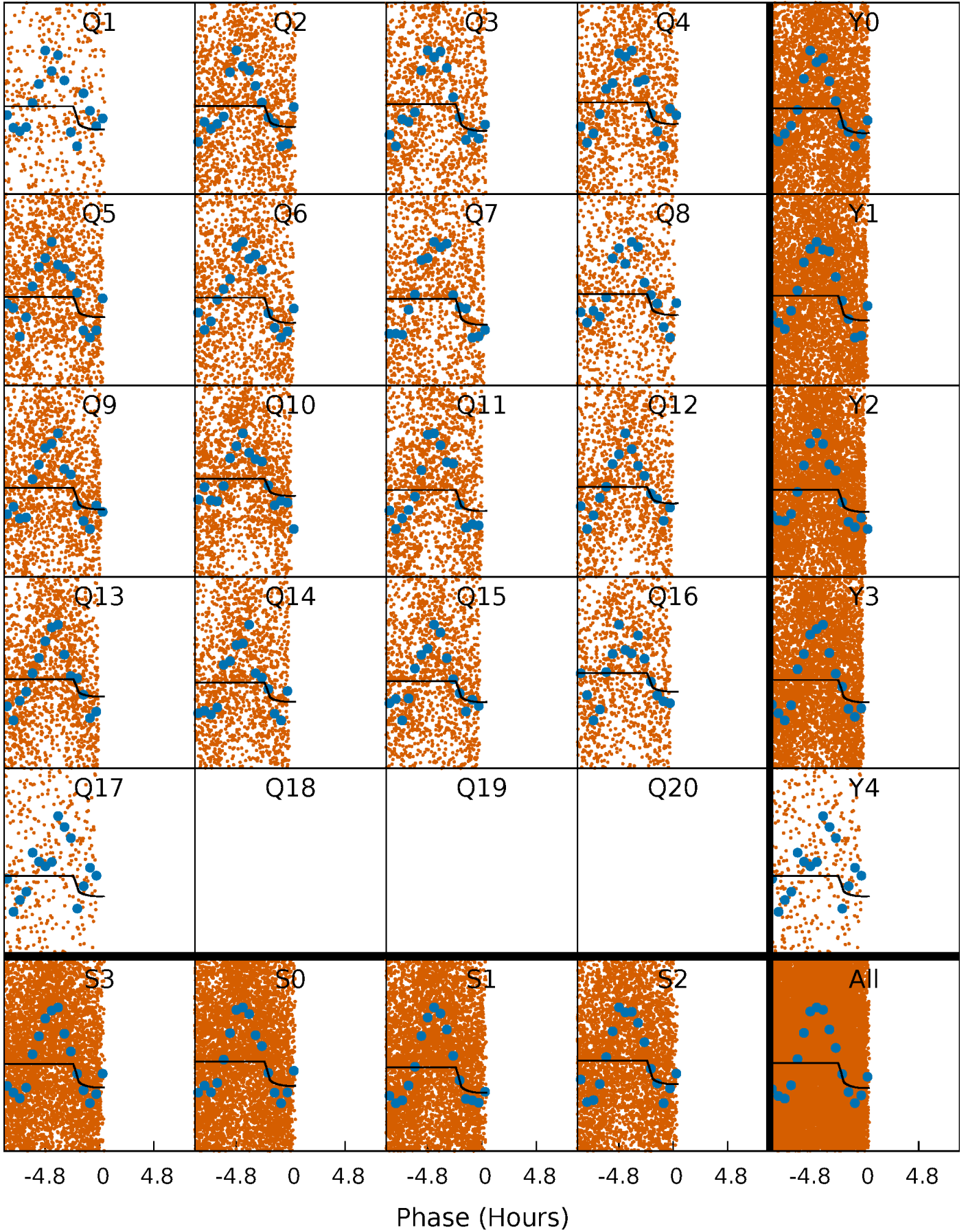
PDC Quarter-Phased Transit Curves

TCE 011770258-02 P= 0.812162 Days $T_0=131.732086$ (BKJD)



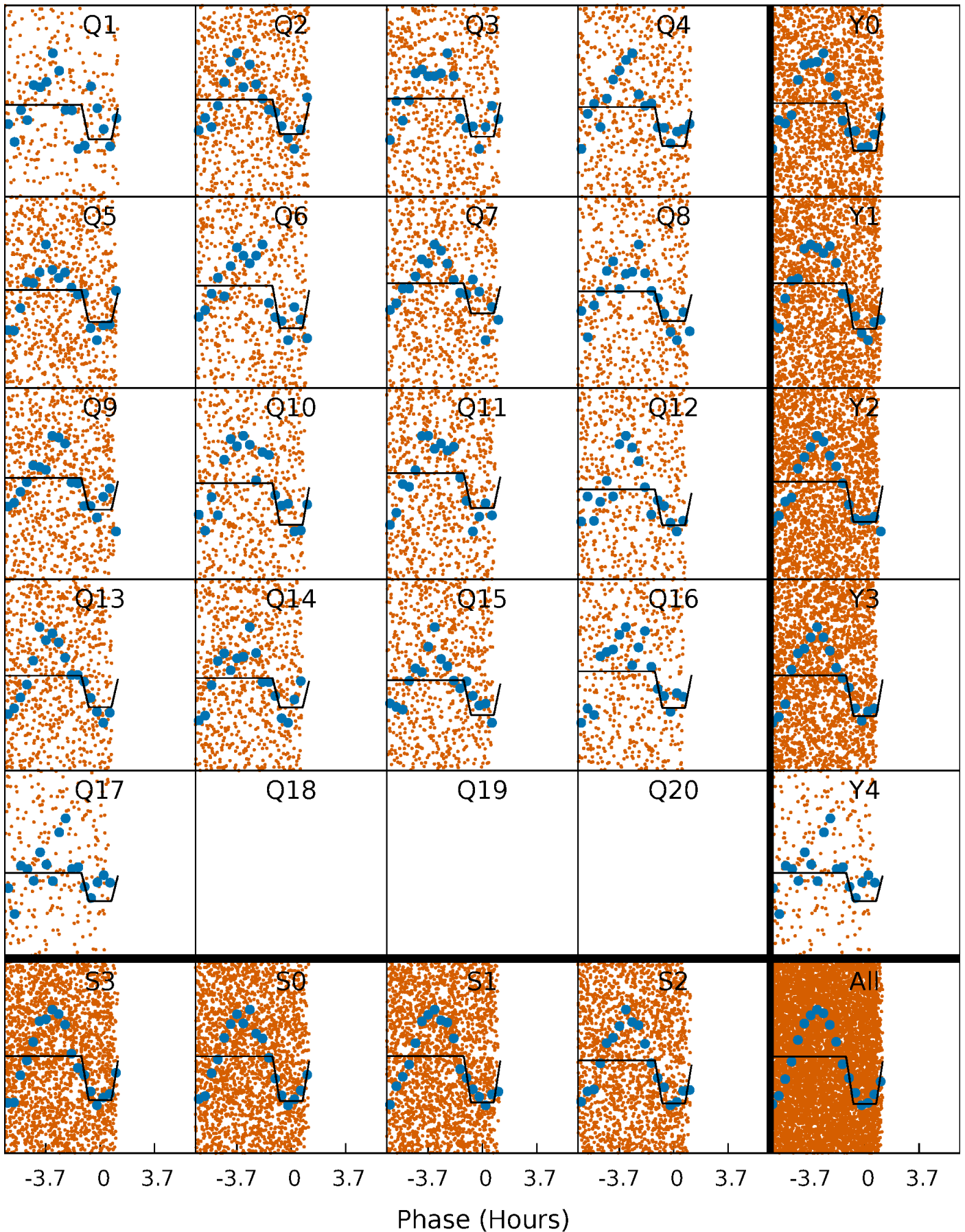
DV Quarter-Phased Transit Curves

TCE 011770258-02 P= 0.812162 Days $T_0=131.732086$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

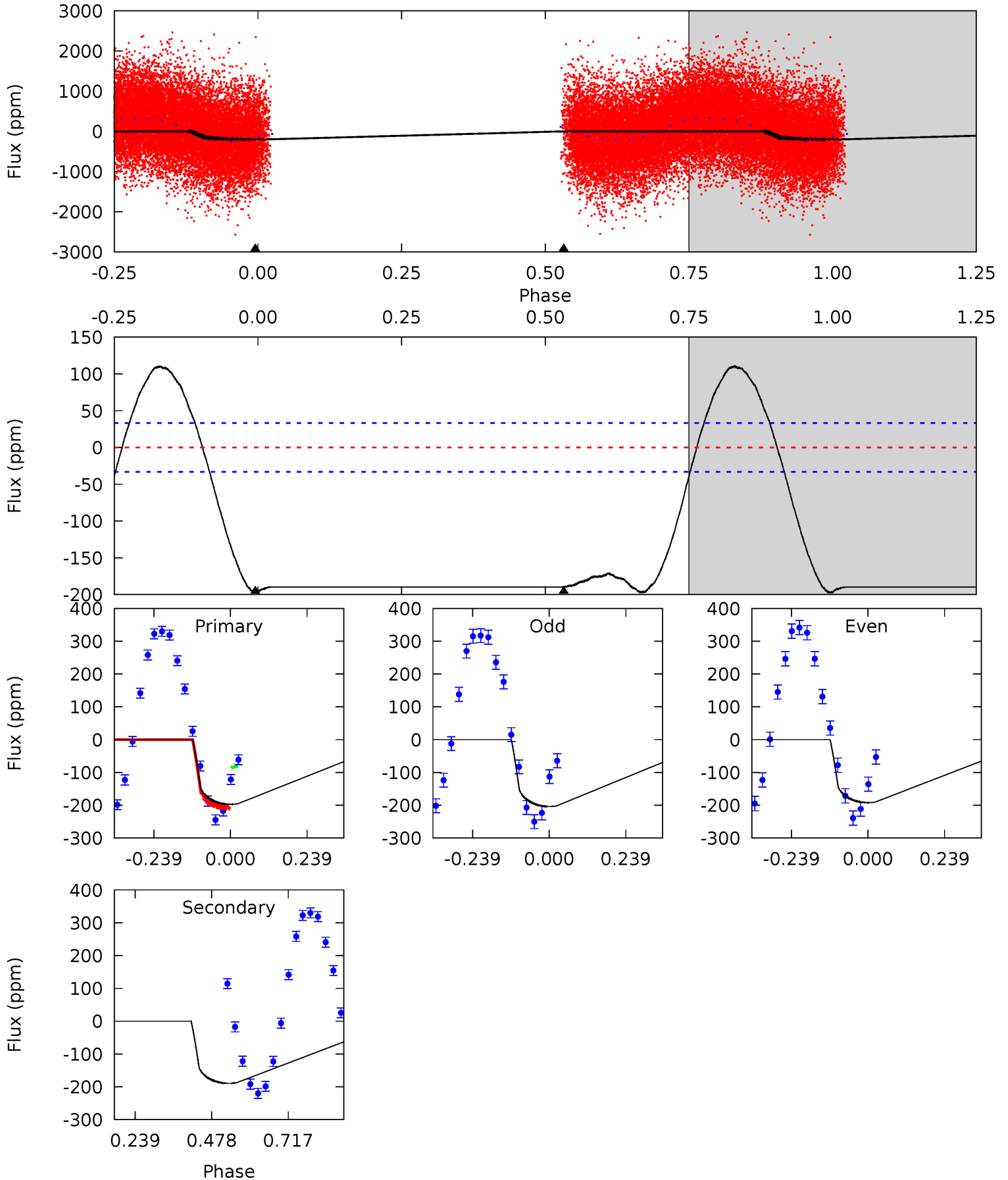
TCE 011770258-02 P= 0.812159 Days $T_0=131.700001$ (BKJD)



DV Model-Shift Uniqueness Test

011770258-02, P = 0.812162 Days, E = 130.919924 Days

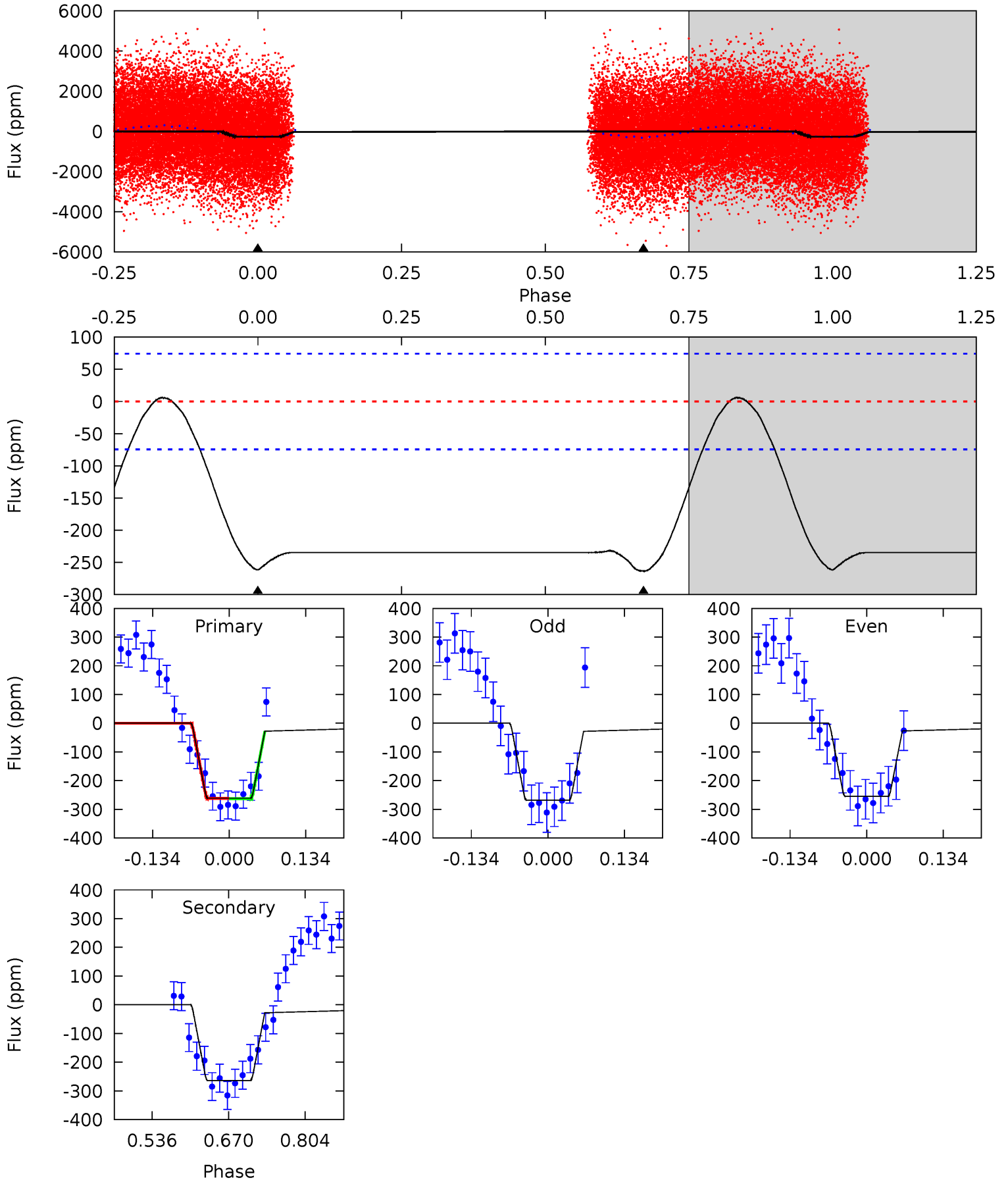
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
26.1	25.1	0	0	4.38	1.18	4.98	26.1	26.1	25.1	25.1	0.83	1.00	0.36	4.27



Alt Model-Shift Uniqueness Test

011770258-02, P = 0.812159 Days, E = 130.887842 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
15.8	16.0	0	0	4.50	1.50	0.41	15.8	15.8	16.0	16.0	0.39	0.99	0.02	0.02



Stellar Parameters For KIC 011770258

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	8398^{+203}_{-377}	$4.116^{+0.126}_{-0.154}$	$0.070^{+0.150}_{-0.550}$	$2.015^{+0.449}_{-0.449}$	$1.936^{+0.313}_{-0.383}$	$0.333^{+0.238}_{-0.139}$
	+2%/-4%	+3%/-4%	+214%/-786%	+22%/-22%	+16%/-20%	+71%/-42%
Source	KIC0	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 011770258-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-190 ± 8	$2.93^{+2.14}_{-1.87}$	5067^{+344}_{-317}	8350^{+11816}_{-2264}	$5.313^{+35.864}_{-3.468}$
Alt.	-264 ± 17	$3.86^{+2.24}_{-2.04}$	5038^{+361}_{-341}	7768^{+5953}_{-1835}	$4.348^{+14.990}_{-2.600}$

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 $A_{obs} \gg 1.0$

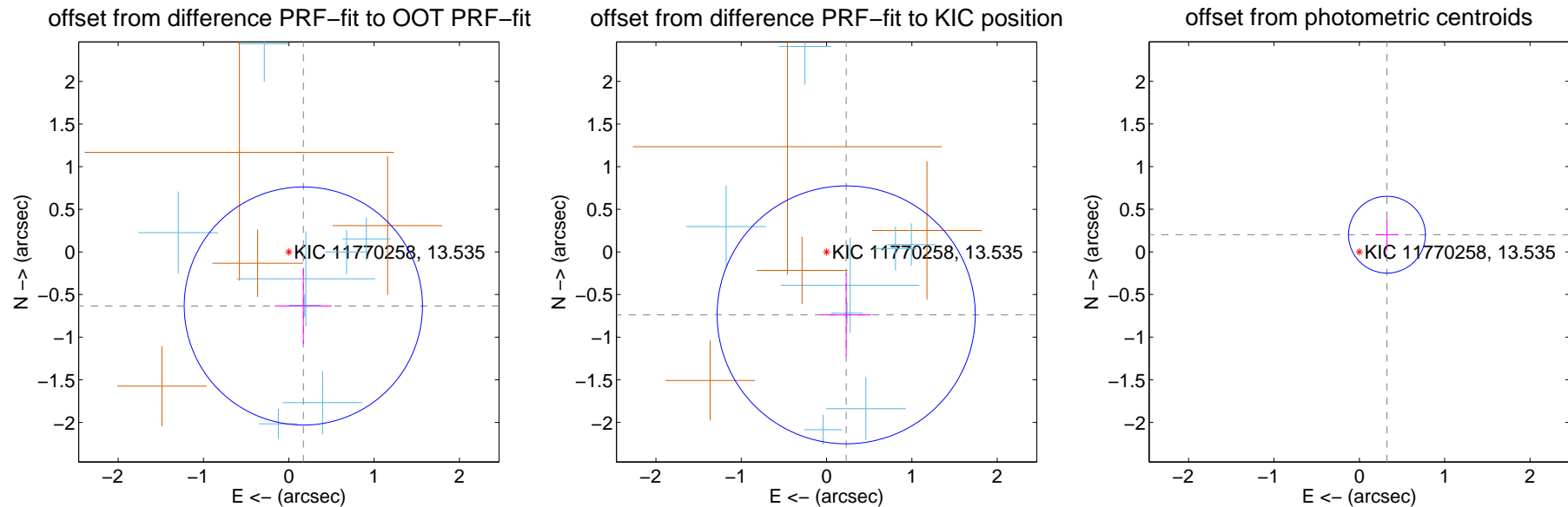
DV Centroid Data

Supplemental centroid analysis for 011770258-02. Kepler magnitude: 13.54. Transit SNR 16.07

There are 8 quarters with good PRF difference image offsets

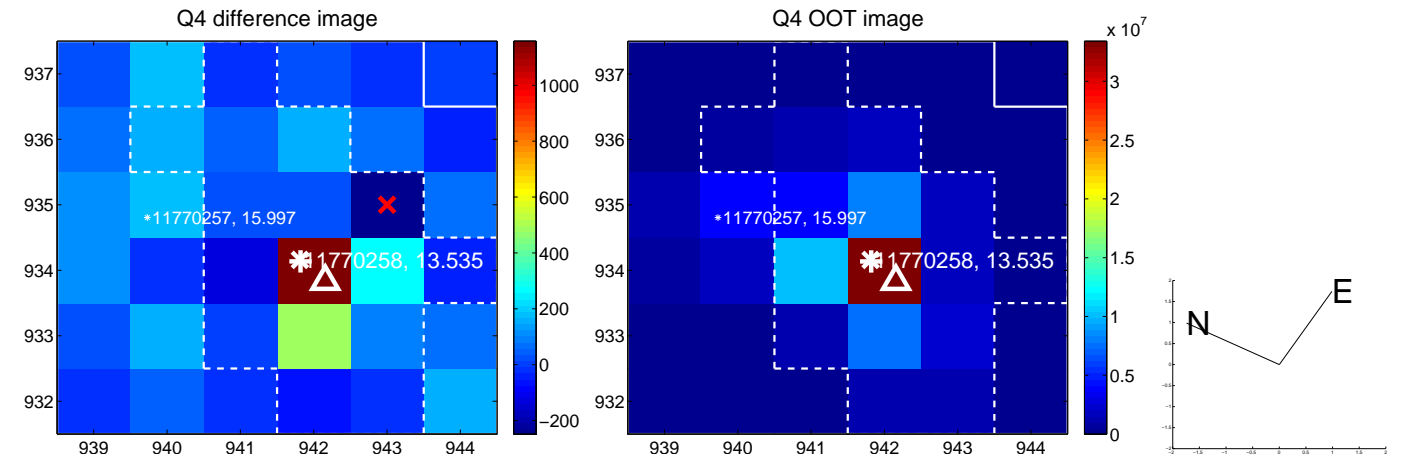
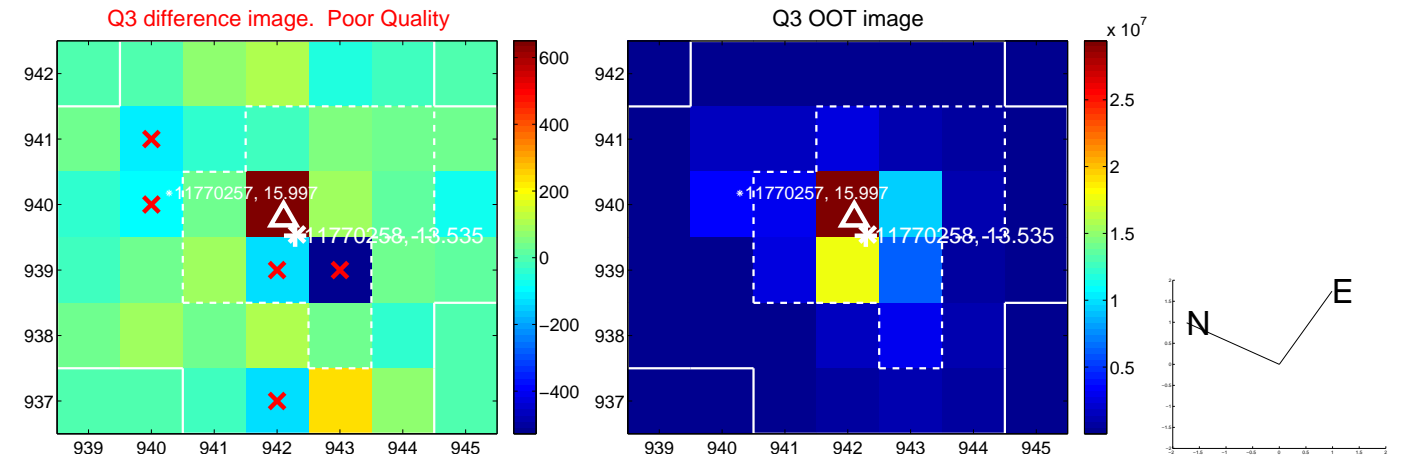
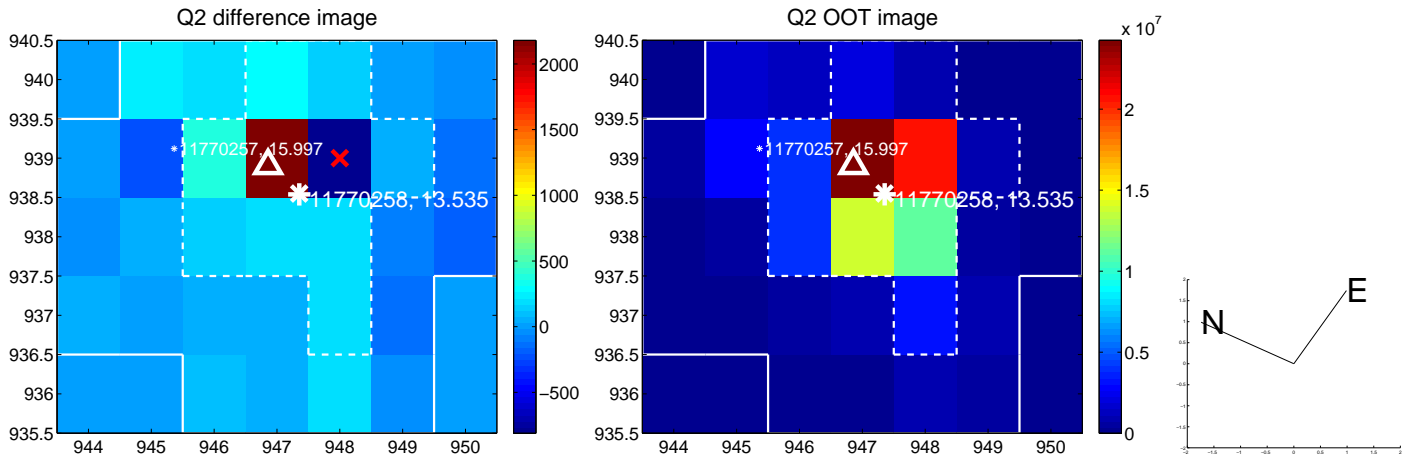
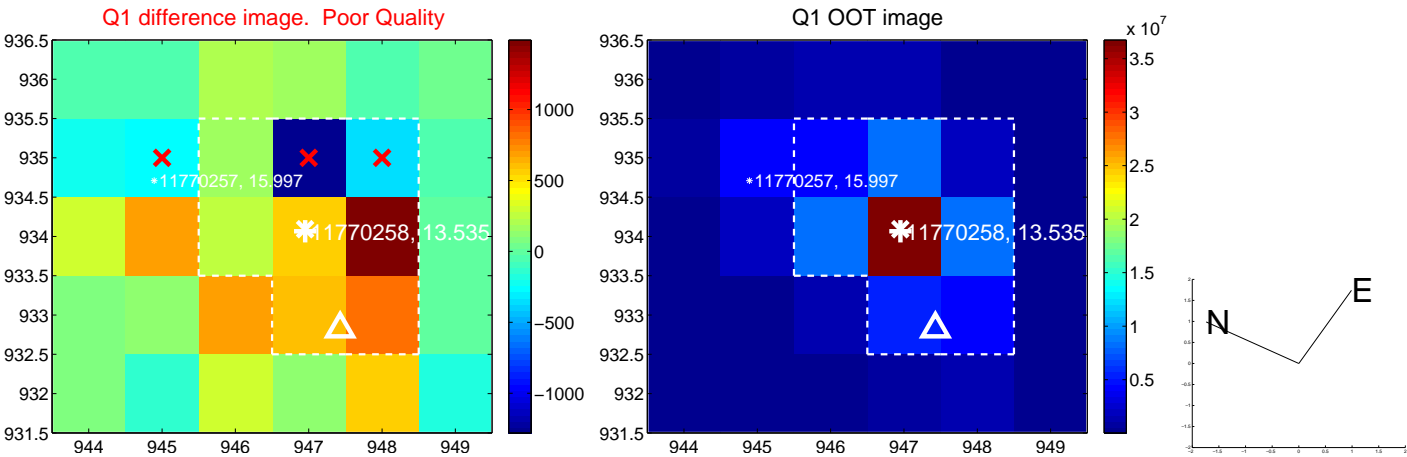
The direct PRF centroid is offset from the target star catalog position by about 0.12 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.657 ± 0.465	1.41	-0.170 ± 0.333	-0.634 ± 0.444
PRF-fit source offset from KIC position	0.773 ± 0.504	1.53	-0.230 ± 0.293	-0.738 ± 0.486
photometric centroid source offset	0.38 ± 0.15	2.54	-0.32 ± 0.13	0.20 ± 0.18

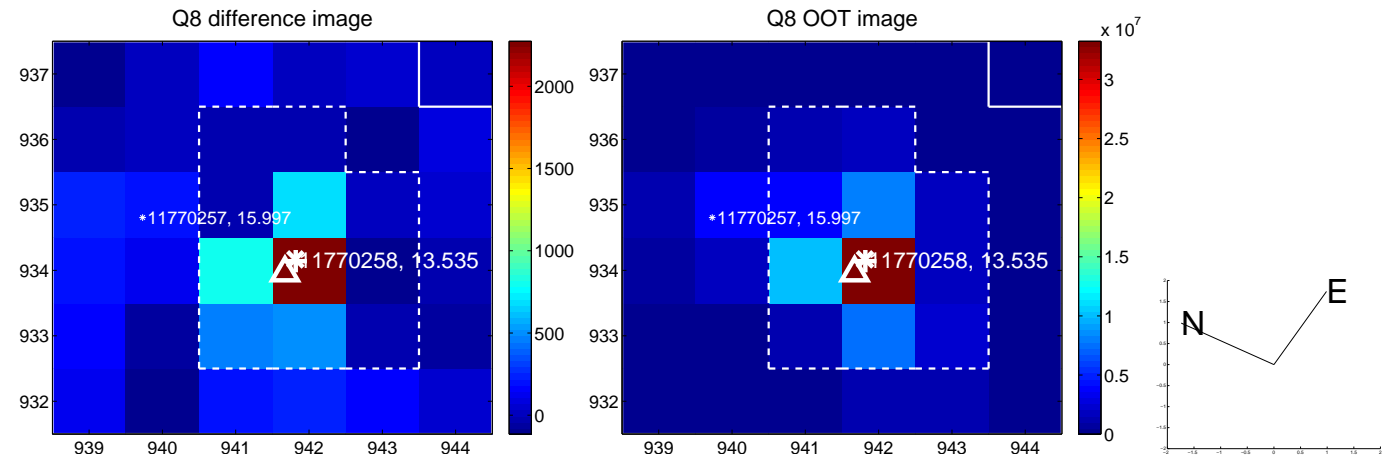
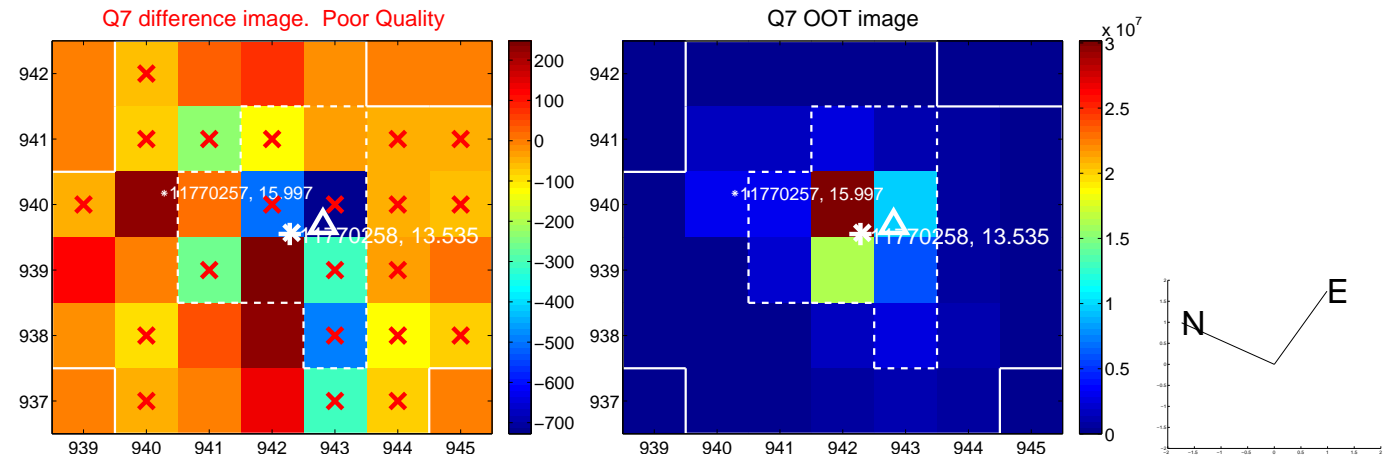
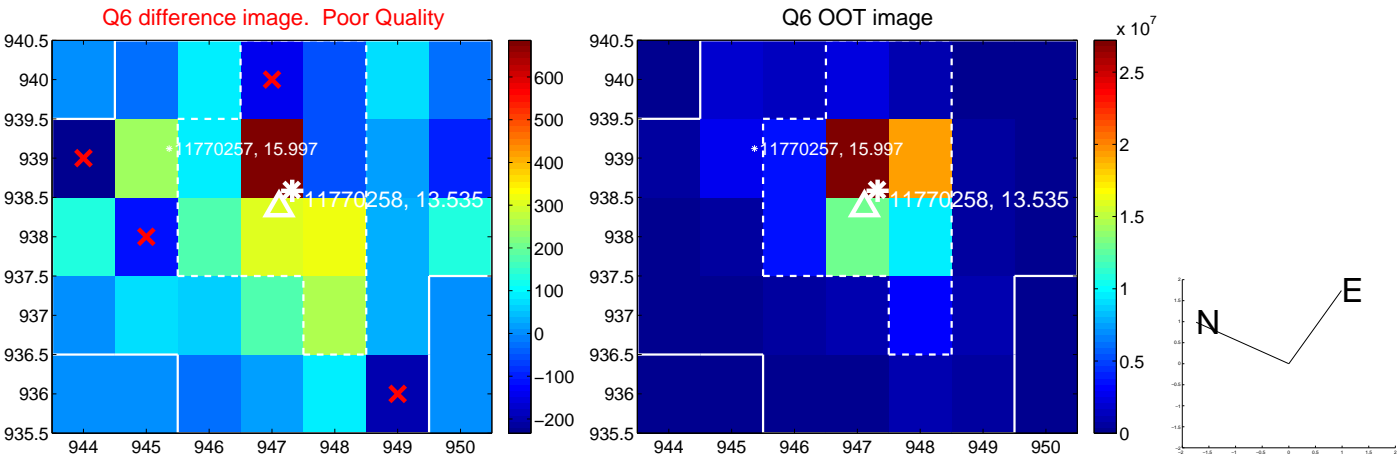
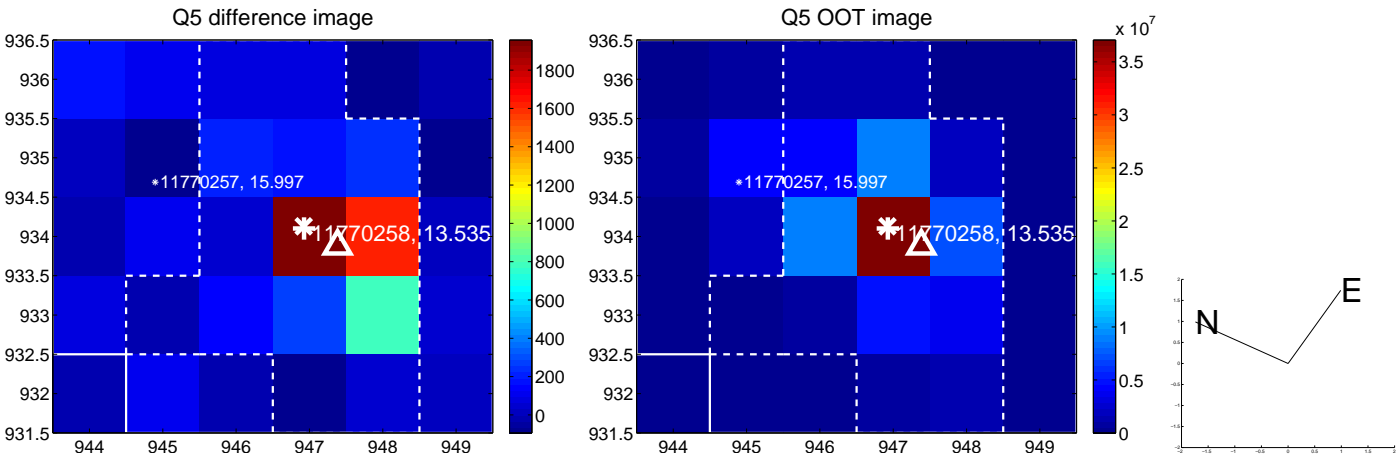


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

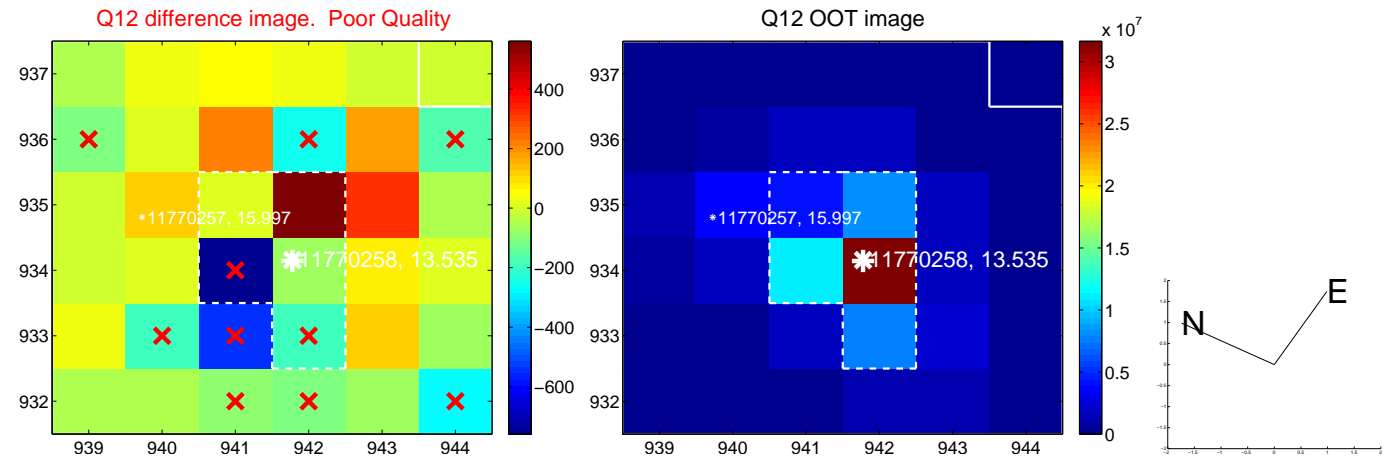
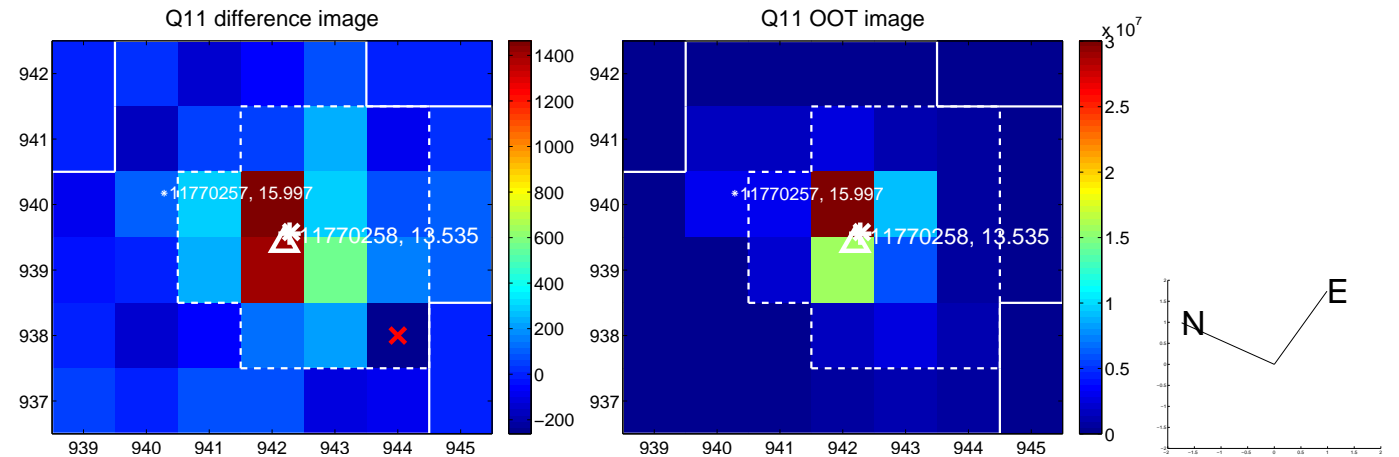
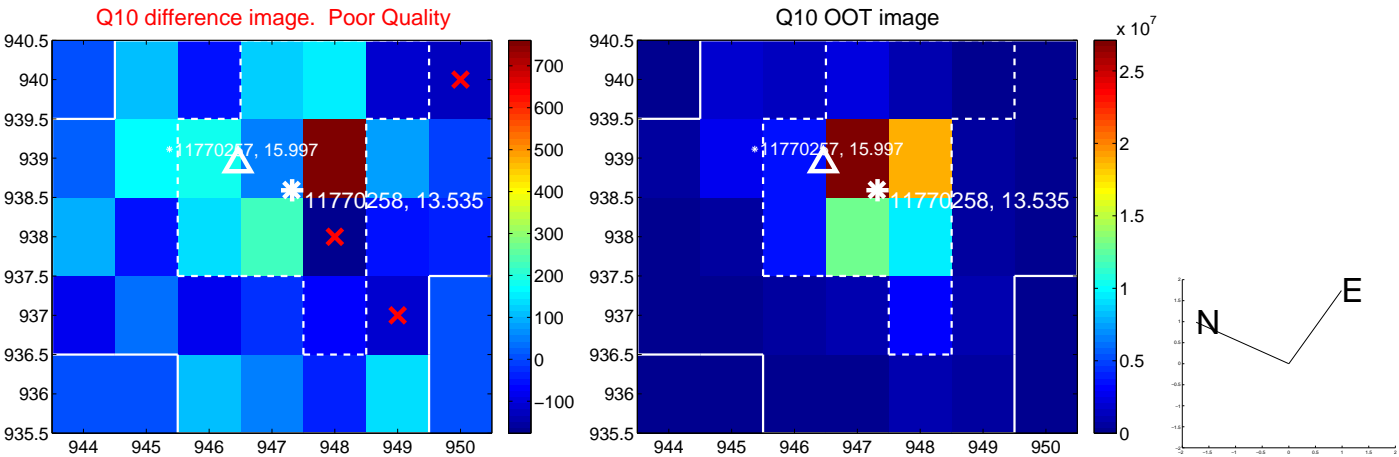
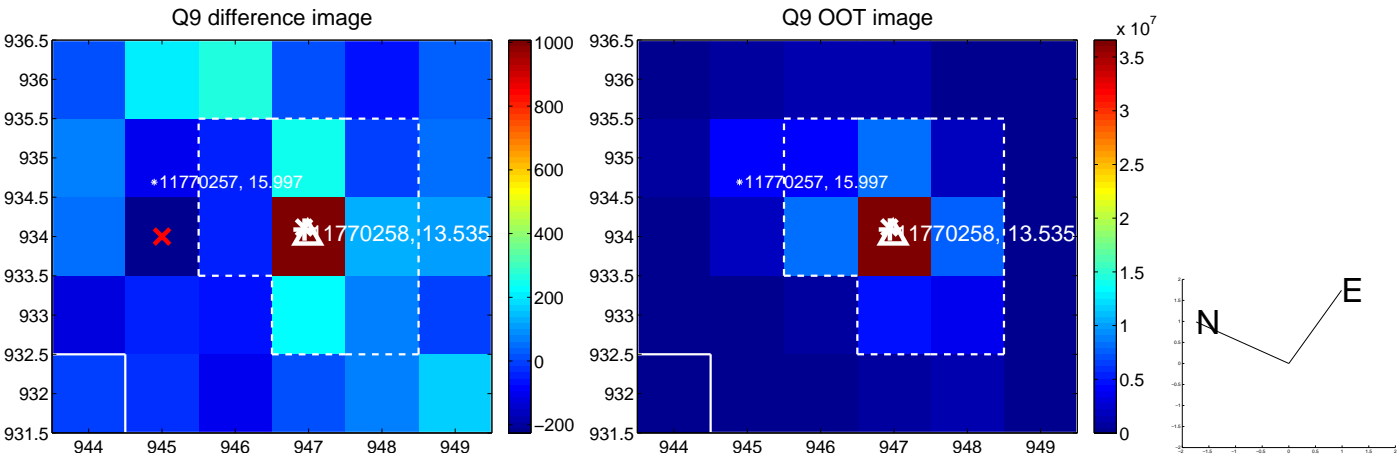
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



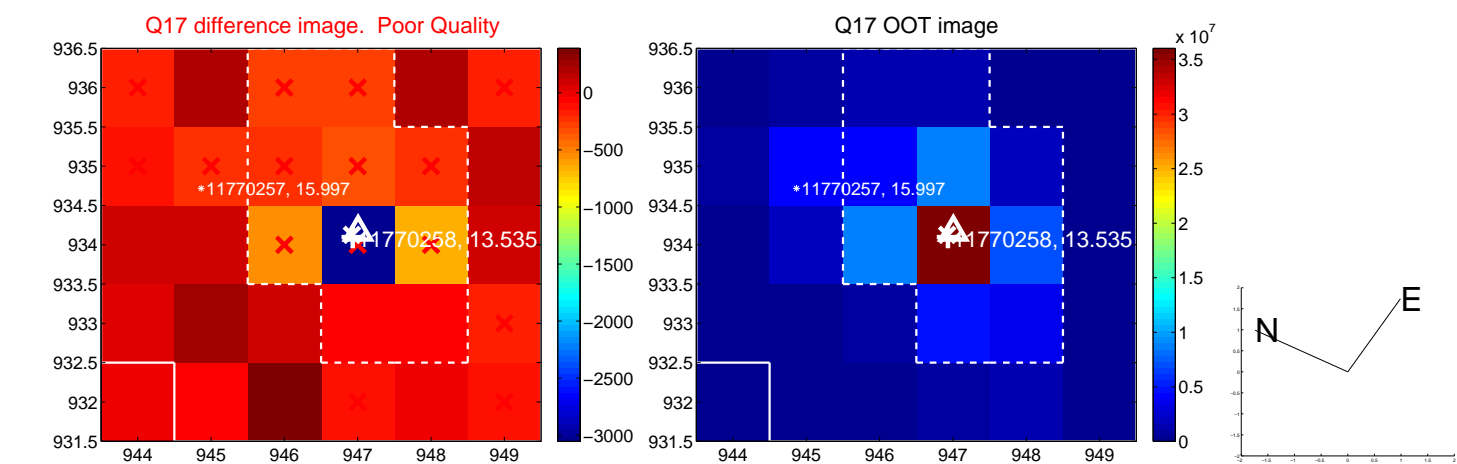
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



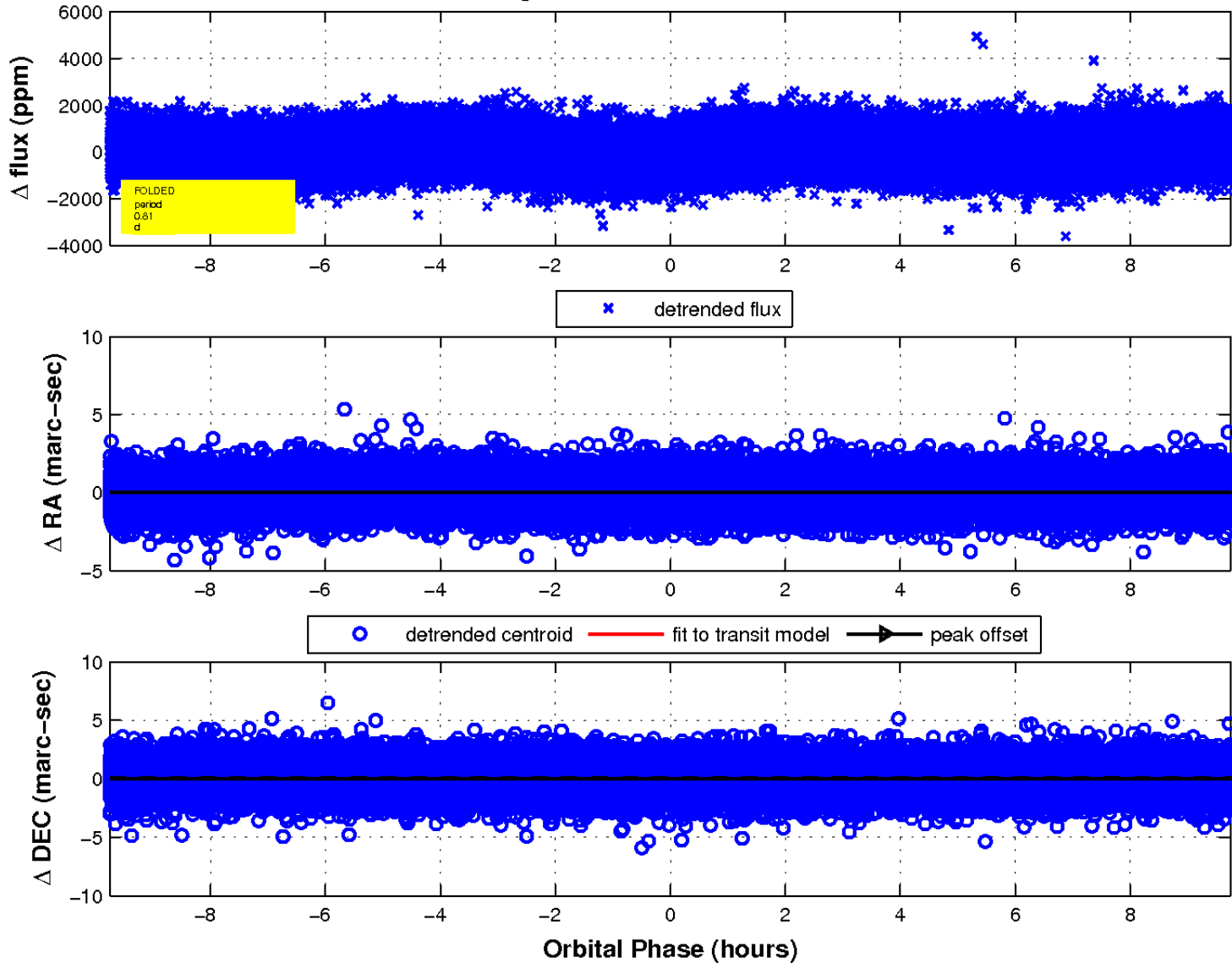
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

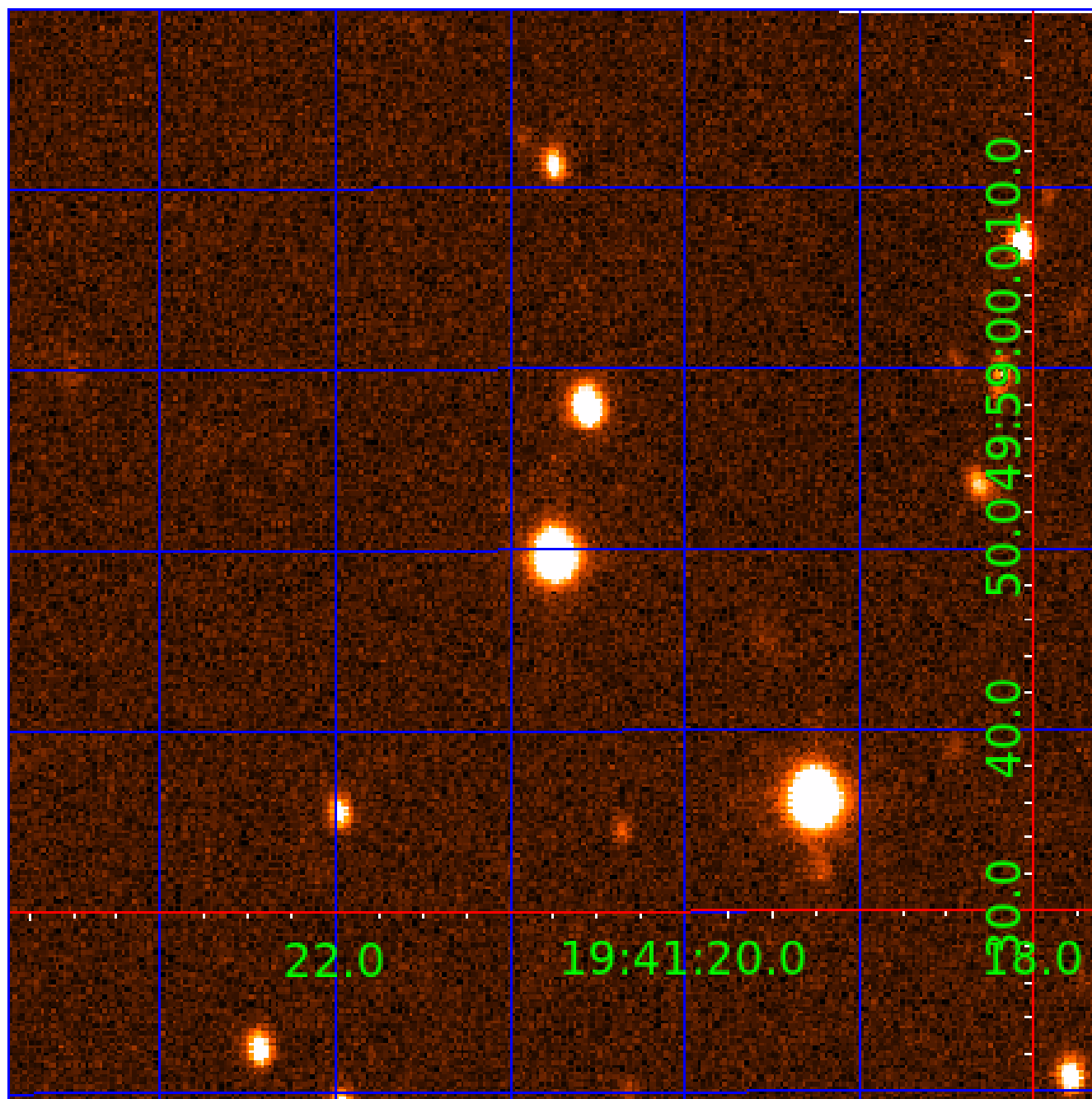


fluxWeightedCentroids, Planet 2 of 3



UKIRT Image

Declination



KIC 011770258

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})
011770258-01	OBS	No	0.812145	131.971101	216.1	3.345	16.4	22.6	2.02	8398	3.44	40142.39
011770258-02	OBS	No	0.812162	131.732086	150.0	4.218	16.4	16.1	2.02	8398	2.55	40141.23
011770258-03	OBS	No	0.812182	132.214119	410.5	2.500	19.8	-1.0	2.02	8398	4.14	40139.93

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011770258-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011770258-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—LPP_ALT—SAME_NTL_PERIOD
011770258-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—NO_FITS—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.

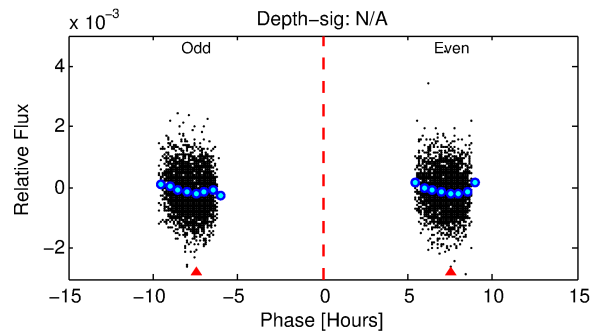
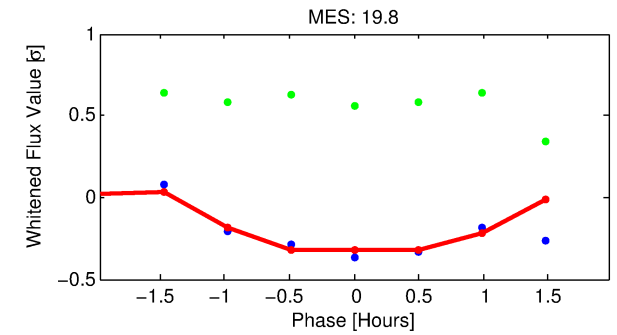
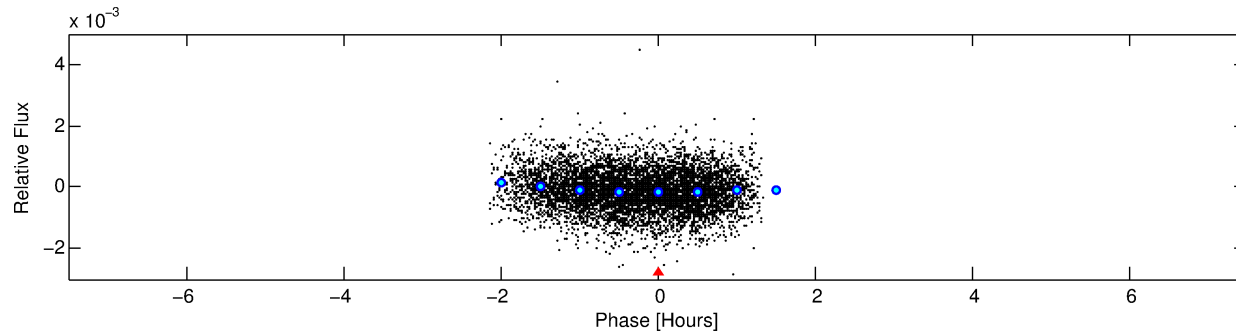
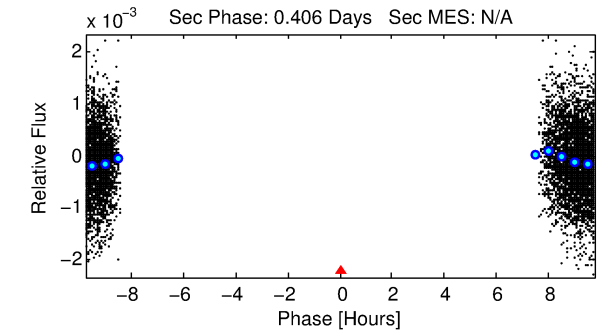
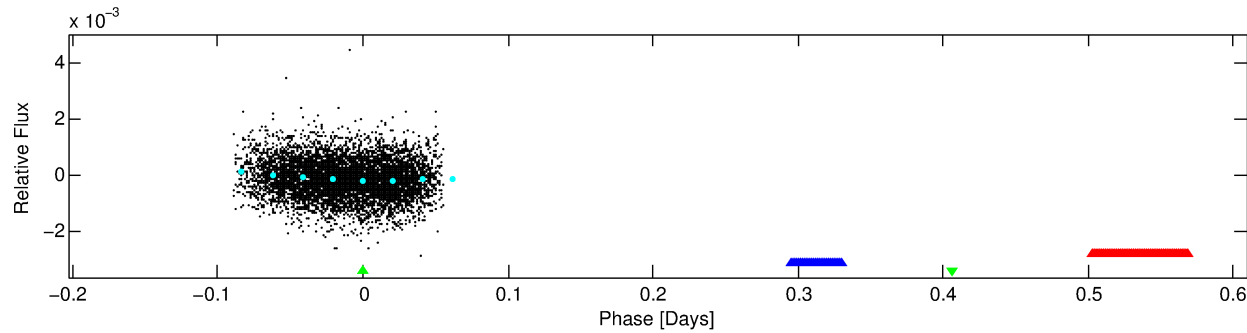
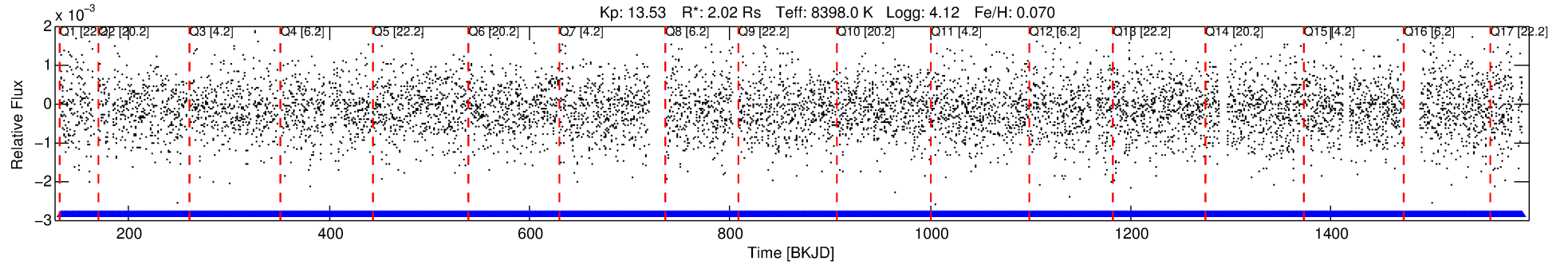
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011770258-03

No Significant Match Found

DV One-Page Summary

KIC: 11770258 Candidate: 3 of 3 Period: 0.812 d



TPS TCE Results:

Period = 0.81218 d
Epoch = 132.2141 BKJD

DV fit results are unavailable

DV Diagnostic Results:

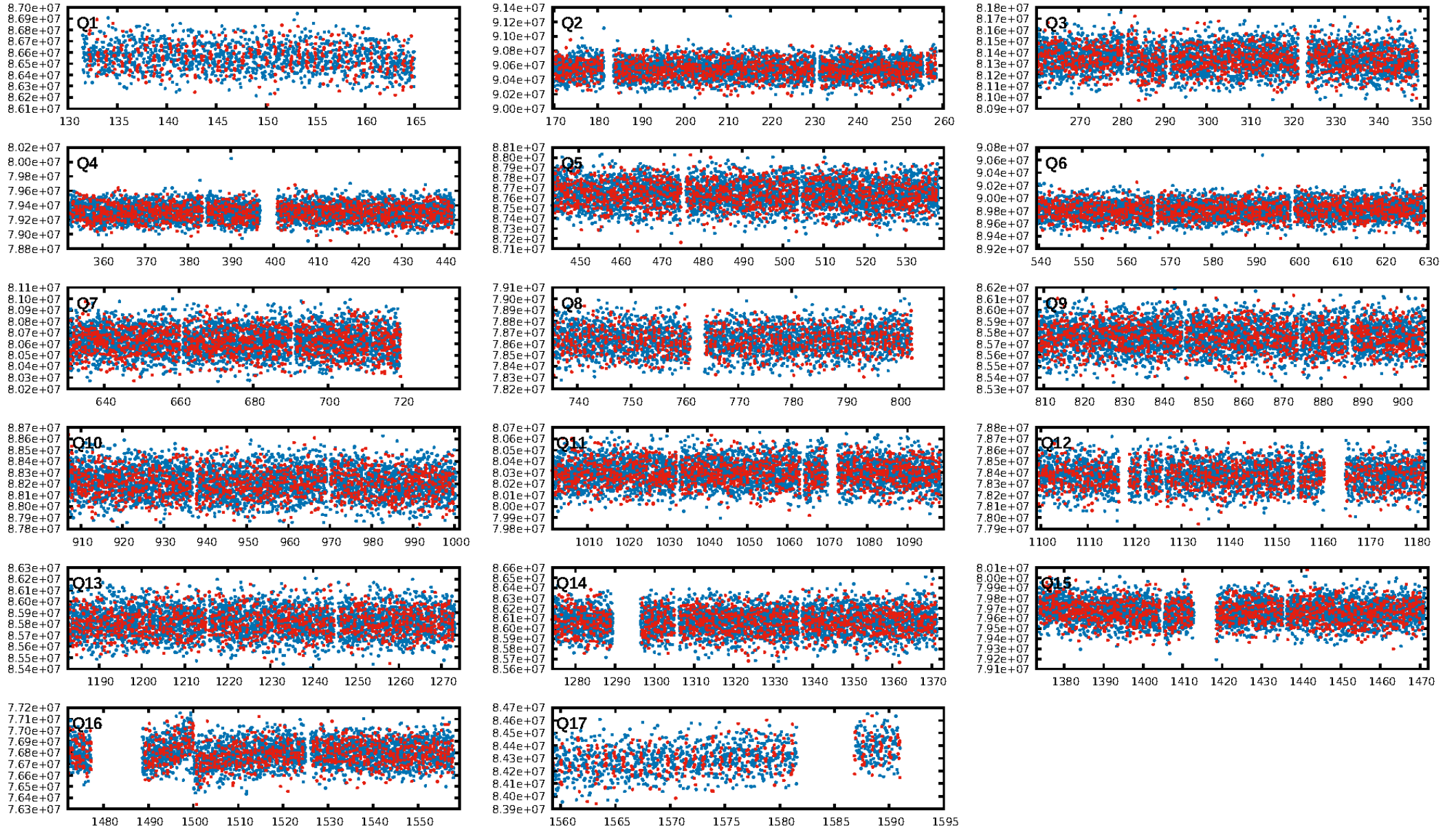
ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: N/A
GhostDiagnostic-chr: N/A

Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: N/A
KicOffset-rm: N/A
OotOffset-st: 0/0/0 [0]
KicOffset-st: 0/0/0 [0]
DiffImageQuality-fgm: N/A
DiffImageOverlap-fno: N/A

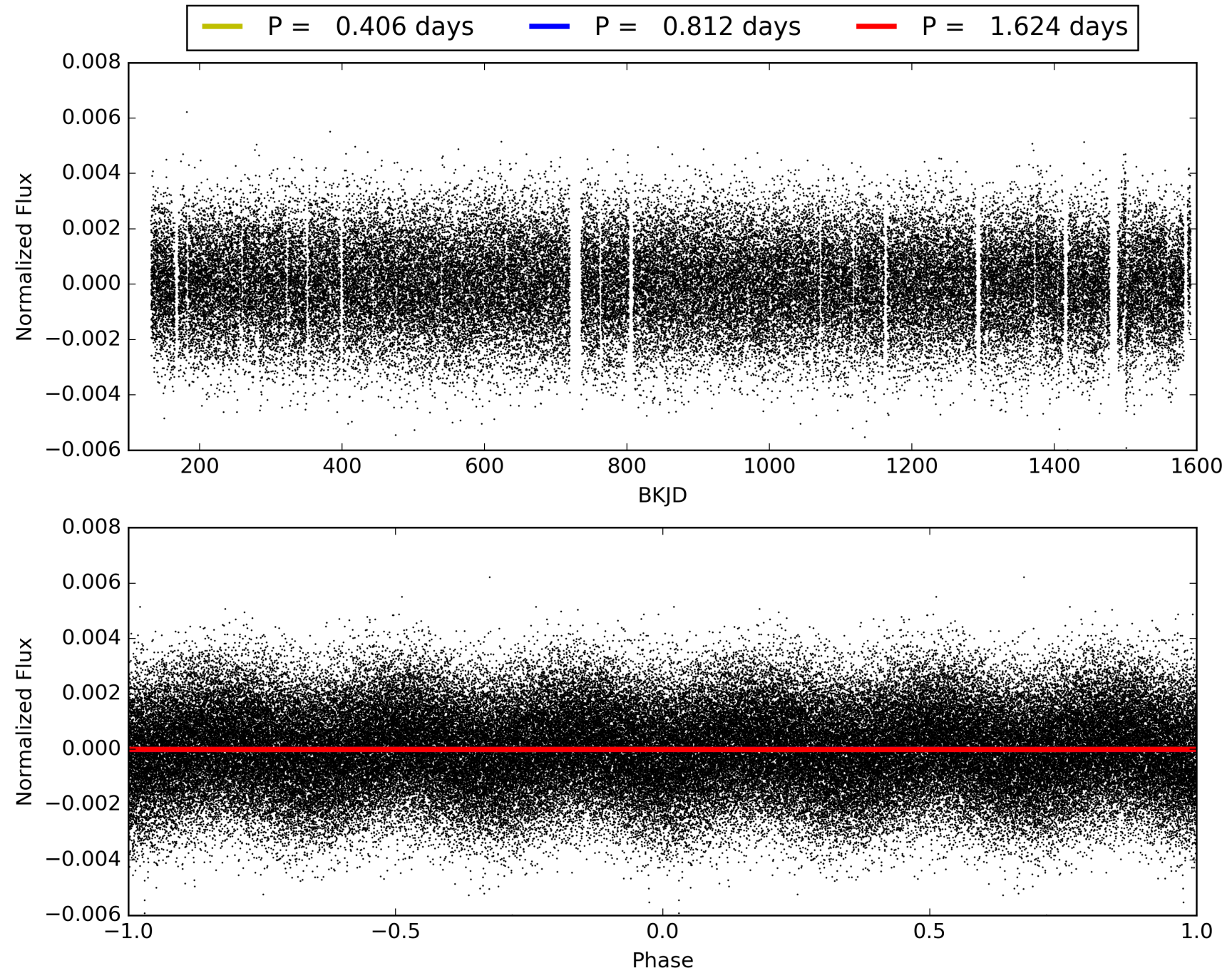
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 05:35:01 Z

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

TCE 011770258-03, PDC Light Curves

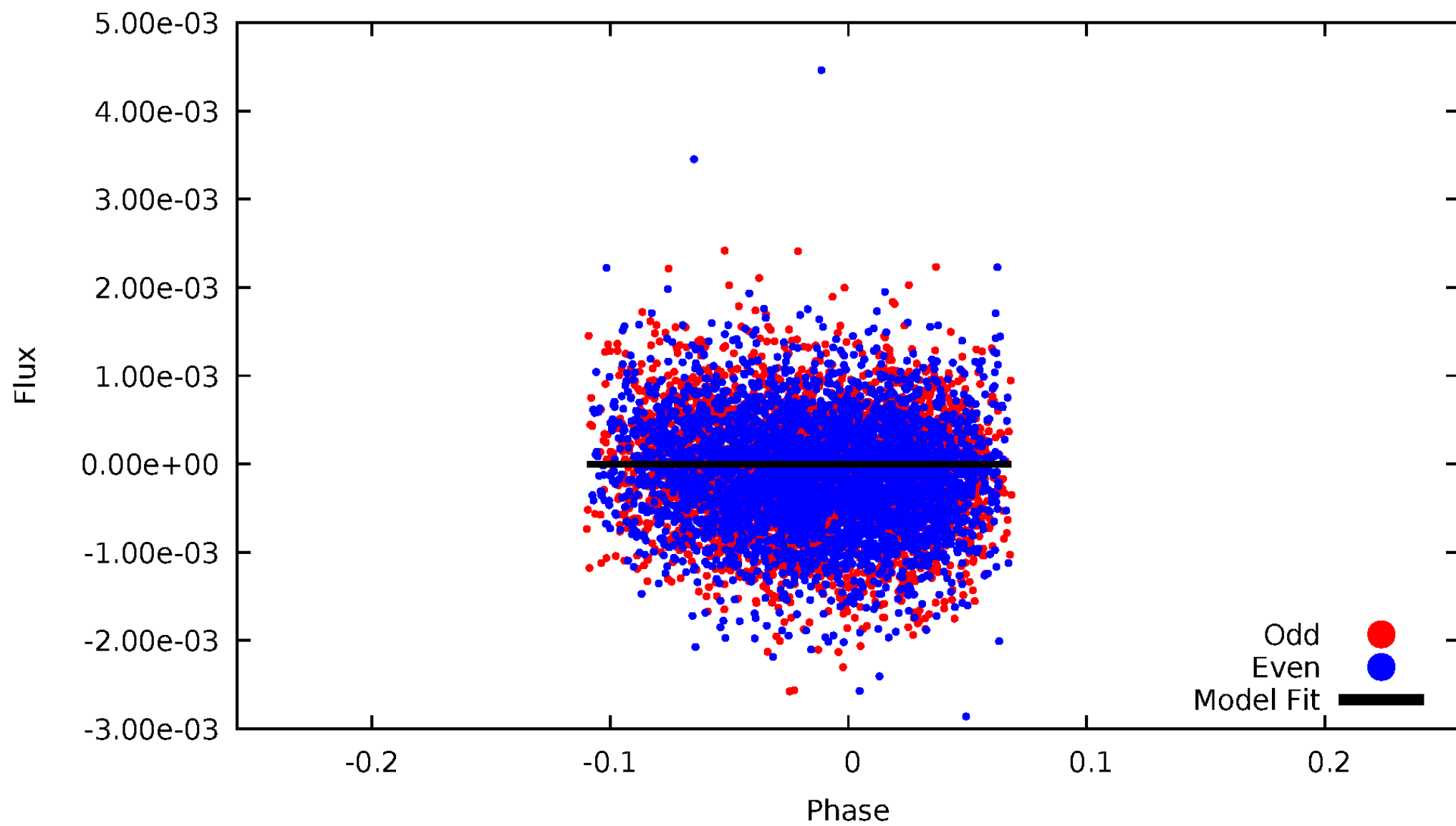


TCE 011770258-03



DV Odd/Even

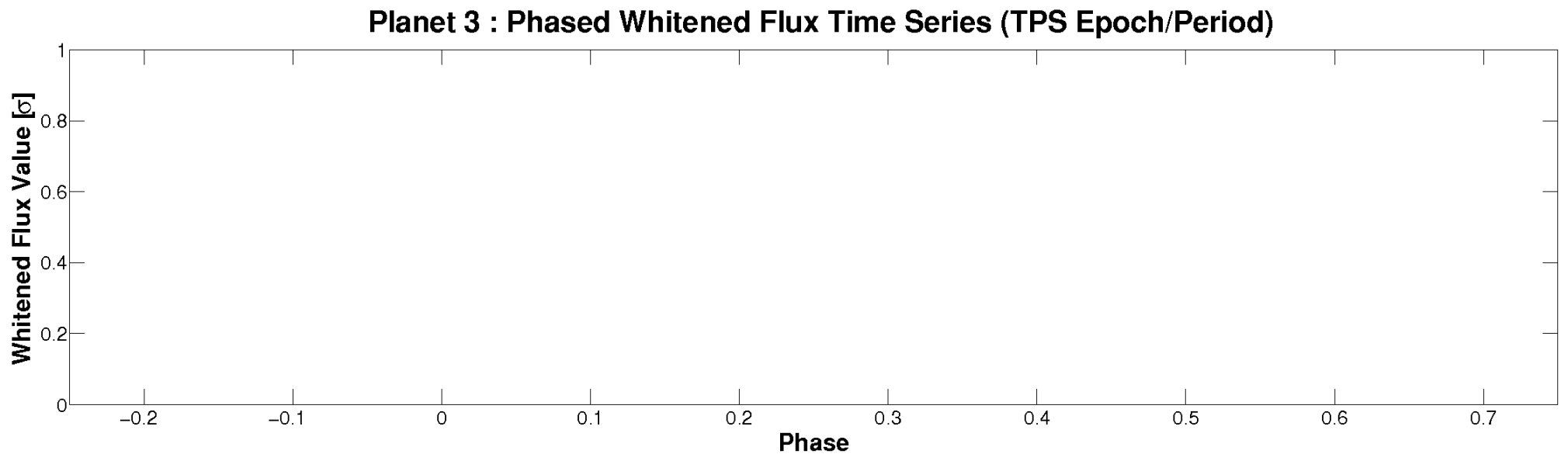
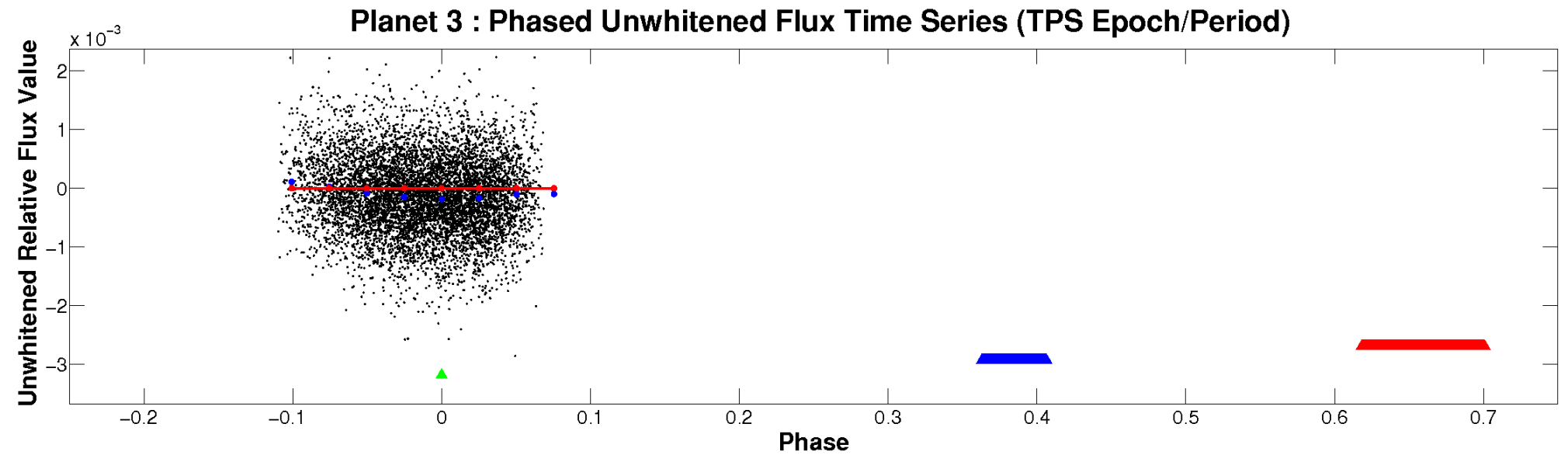
TCE 011770258-03



ALT Odd/Even

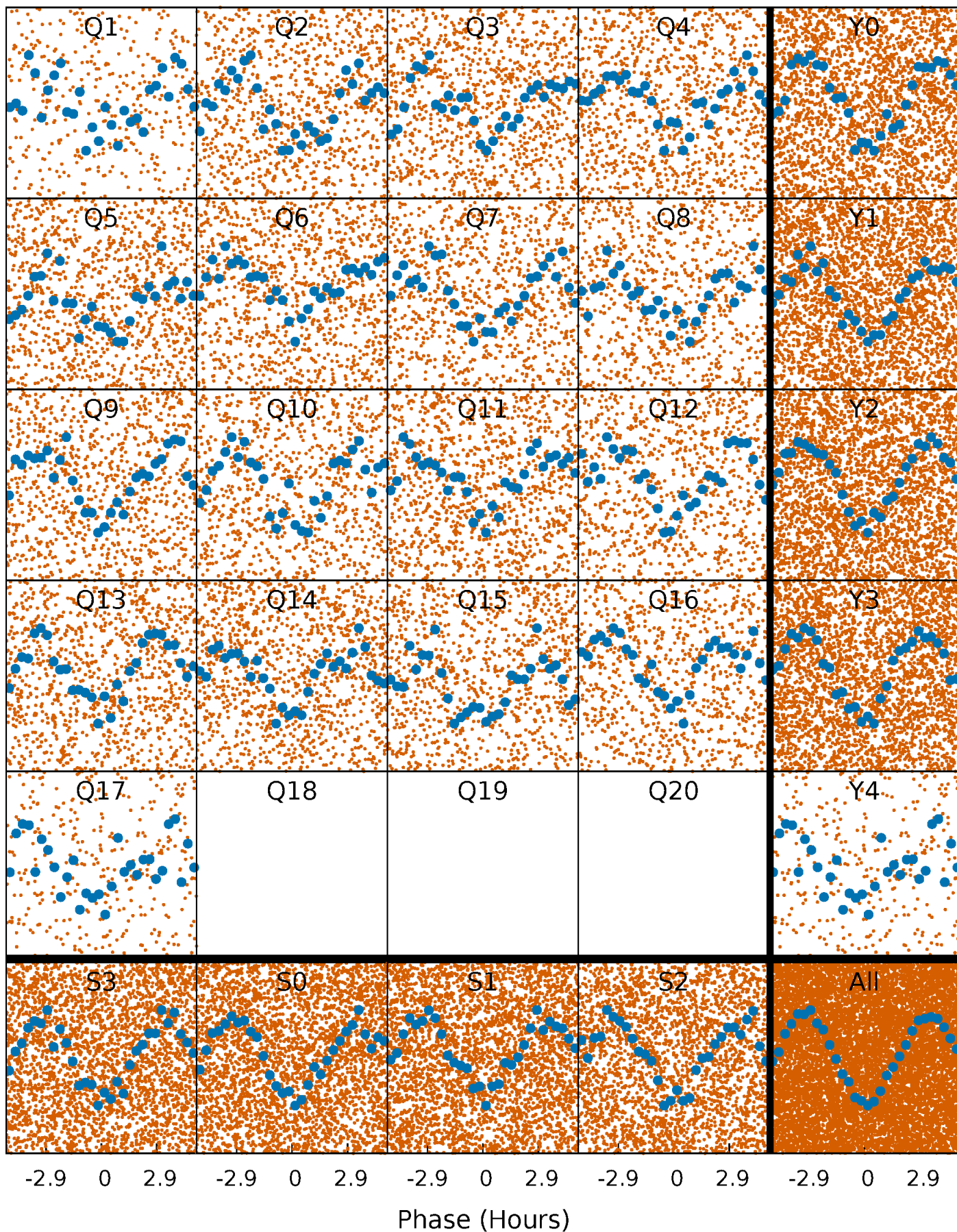
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve



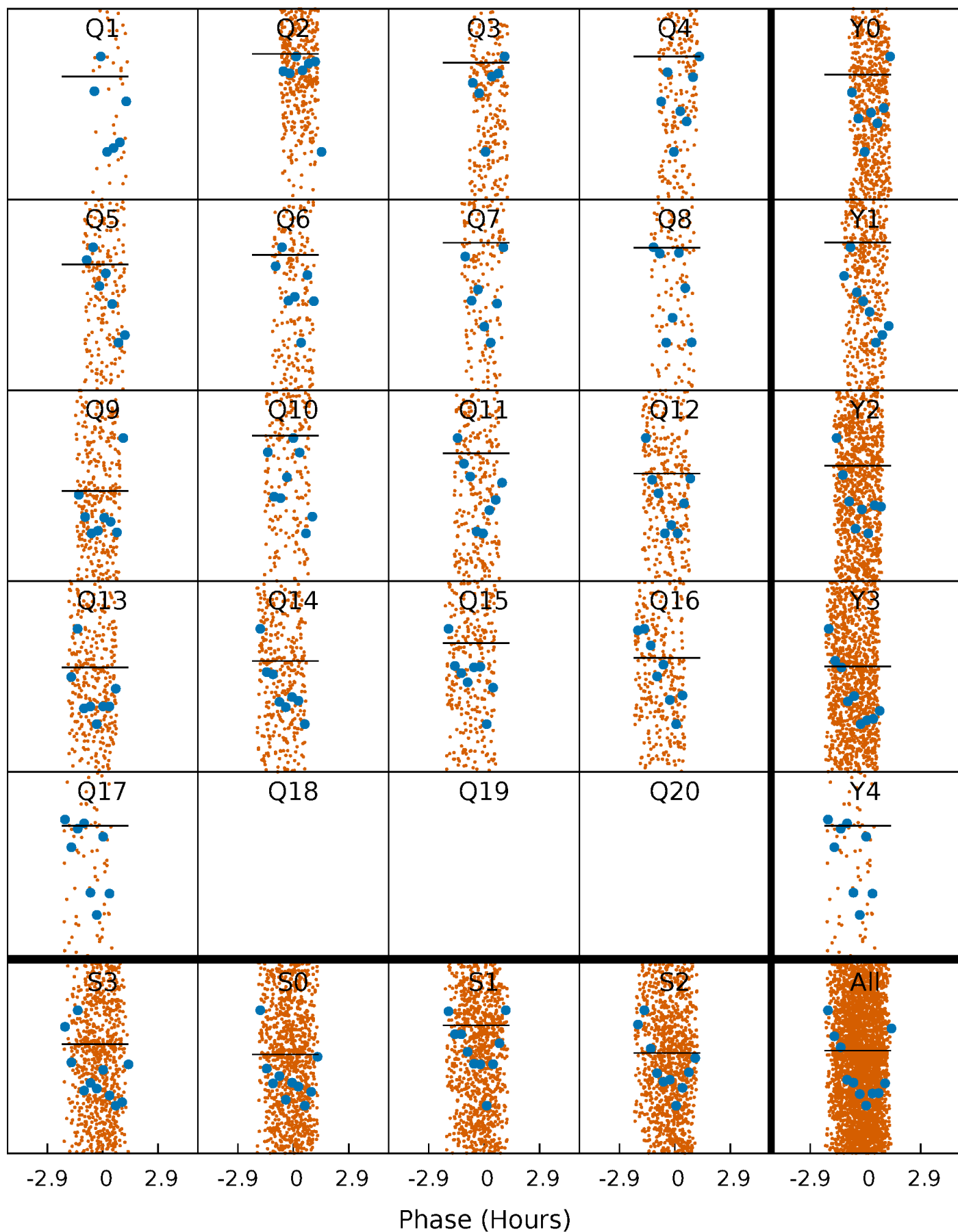
PDC Quarter-Phased Transit Curves

TCE 011770258-03 P= 0.812182 Days $T_0=132.214119$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 011770258-03 P= 0.812182 Days $T_0=132.214119$ (BKJD)

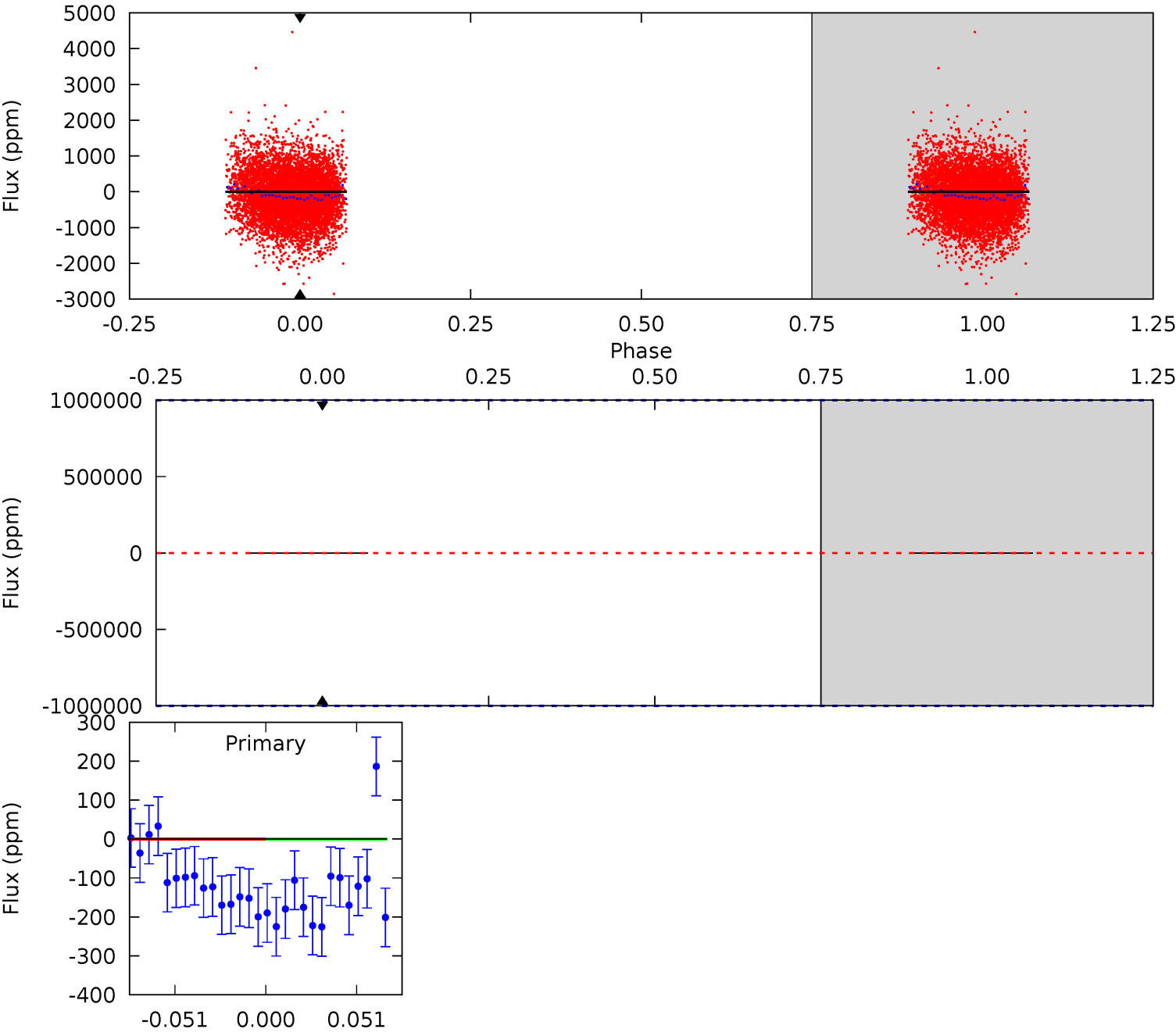


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

011770258-03, P = 0.812182 Days, E = 131.401937 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

This plot does not exist for this TCE.

Stellar Parameters For KIC 011770258

	$T_{\text{eff}} (K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M (M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	8398^{+203}_{-377}	$4.116^{+0.126}_{-0.154}$	$0.070^{+0.150}_{-0.550}$	$2.015^{+0.449}_{-0.449}$	$1.936^{+0.313}_{-0.383}$	$0.333^{+0.238}_{-0.139}$
	+2%/-4%	+3%/-4%	+214%/-786%	+22%/-22%	+16%/-20%	+71%/-42%
Source	KIC0	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 011770258-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 1000000	$16.03^{+17.73}_{-11.23}$	5048^{+309}_{-332}	5955^{+60159}_{-53214}	$2.091^{+213.342}_{-137.358}$
Alt.	N/A	N/A	N/A	N/A	N/A

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

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

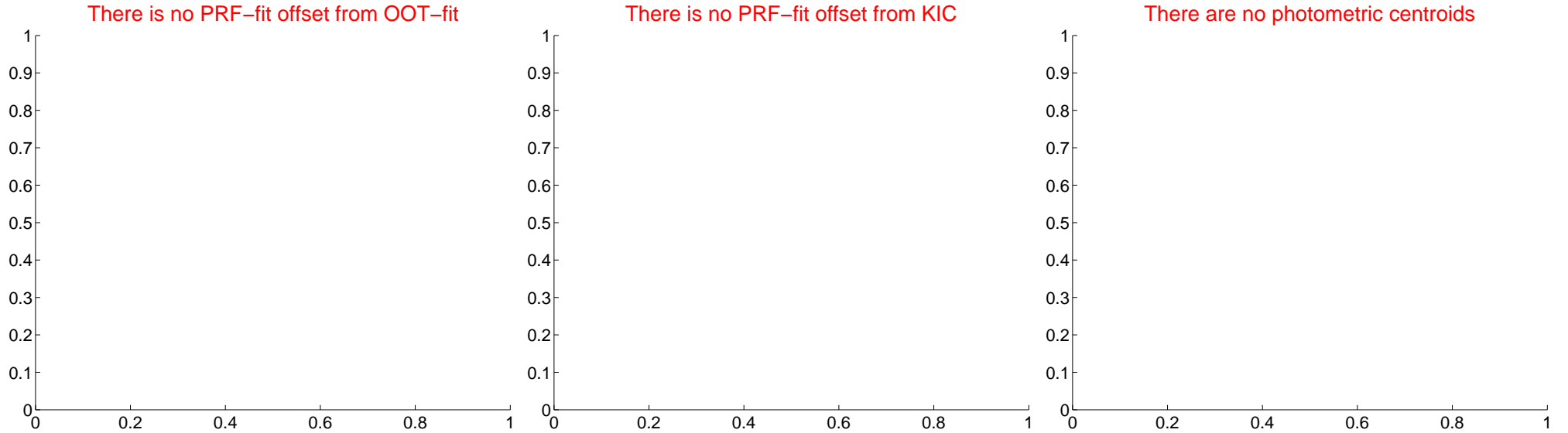
DV Centroid Data

Supplemental centroid analysis for 011770258-03. Kepler magnitude: 13.54. Transit SNR -1.00

There are 0 quarters with good PRF difference image offsets

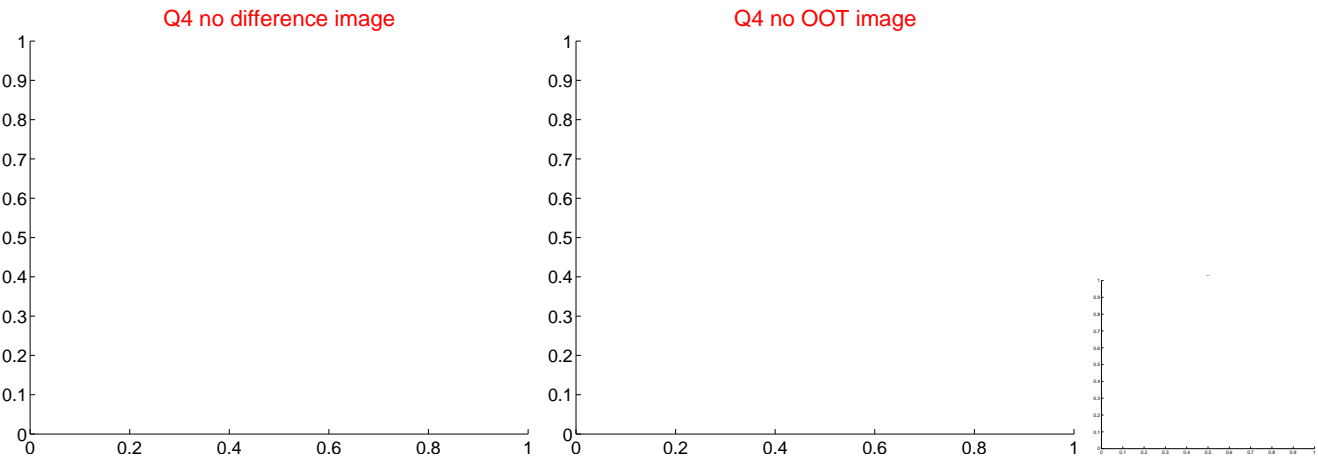
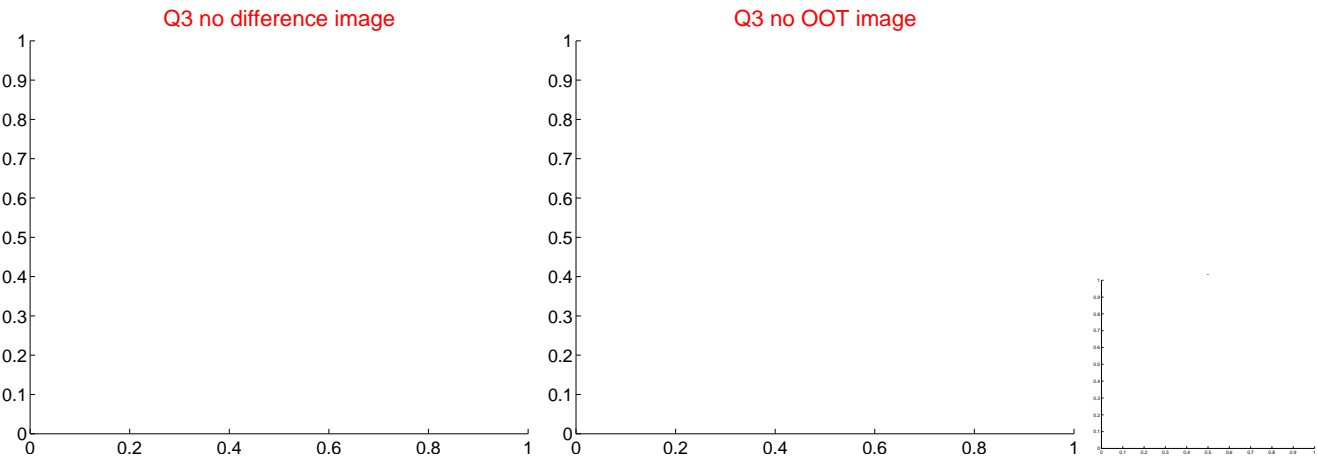
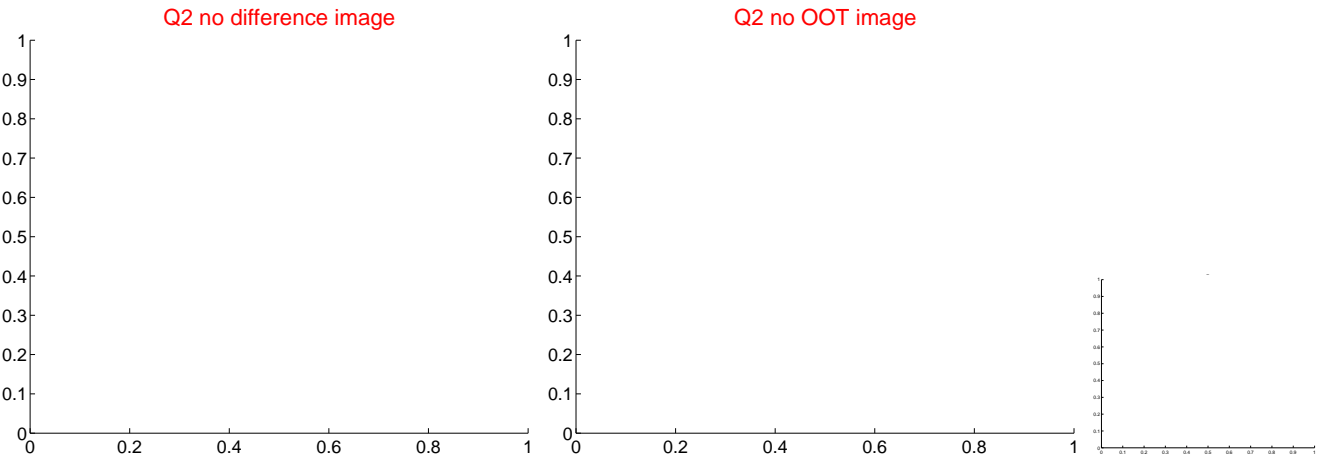
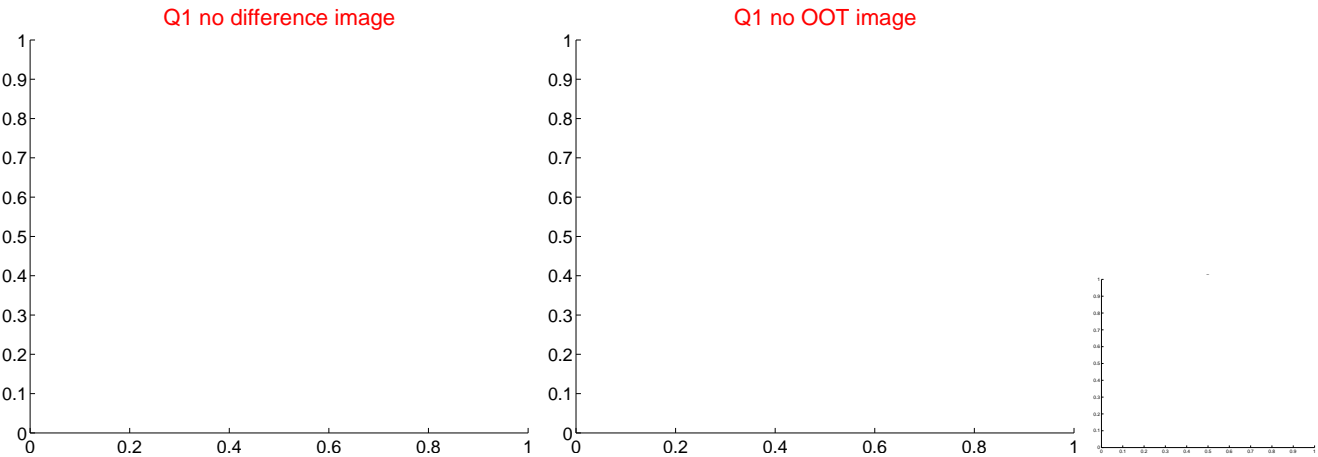
The direct PRF centroid is offset from the target star catalog position by about NaN arcsec

	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	—	—	—	—

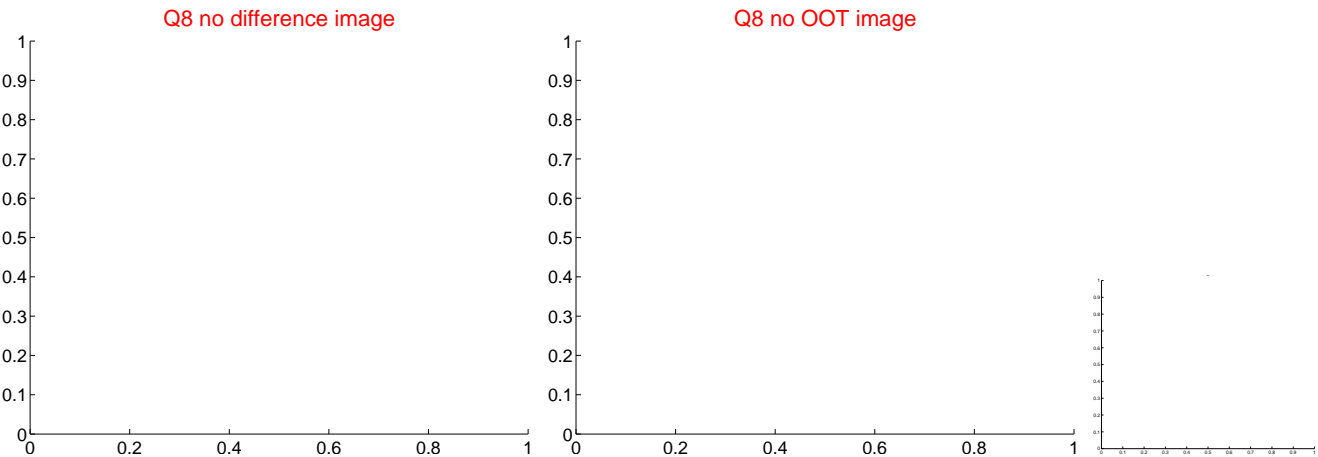
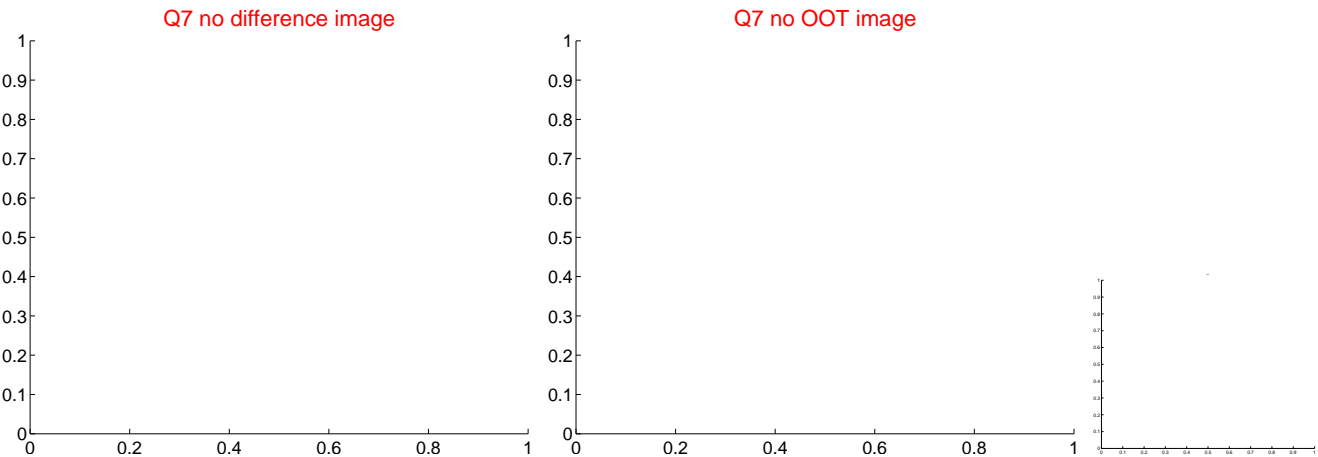
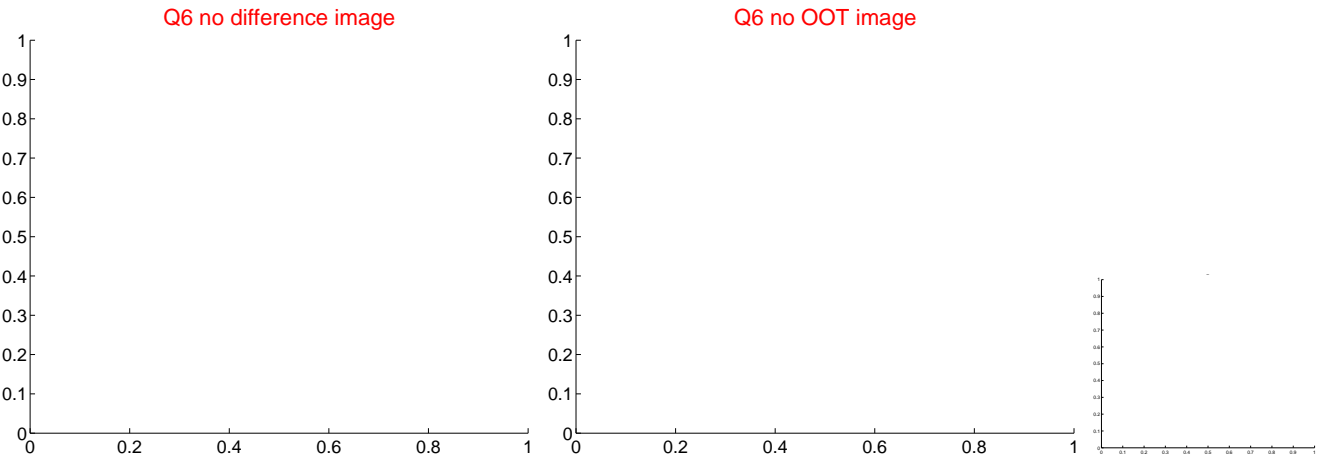
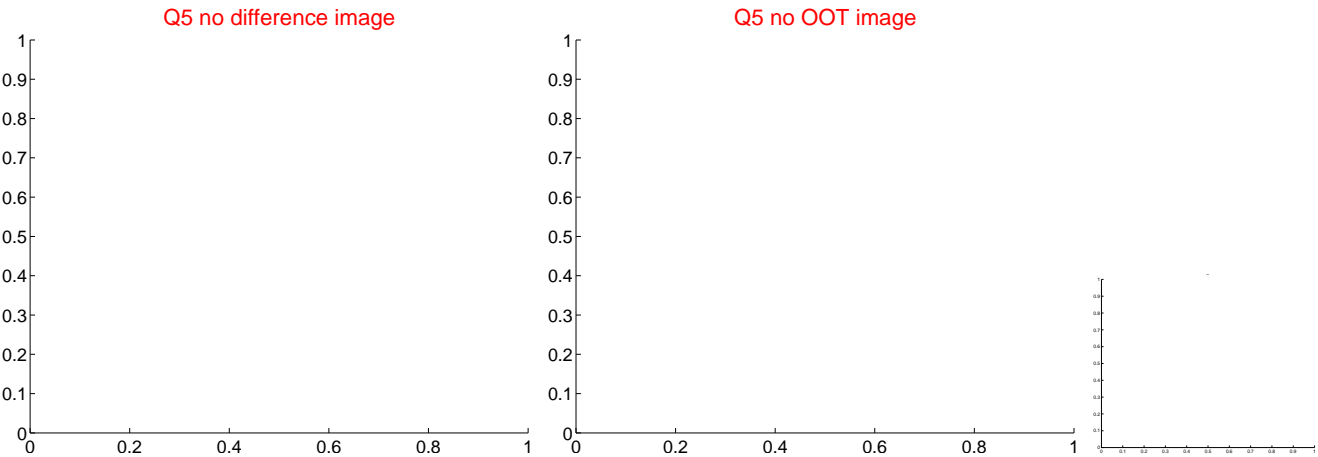


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

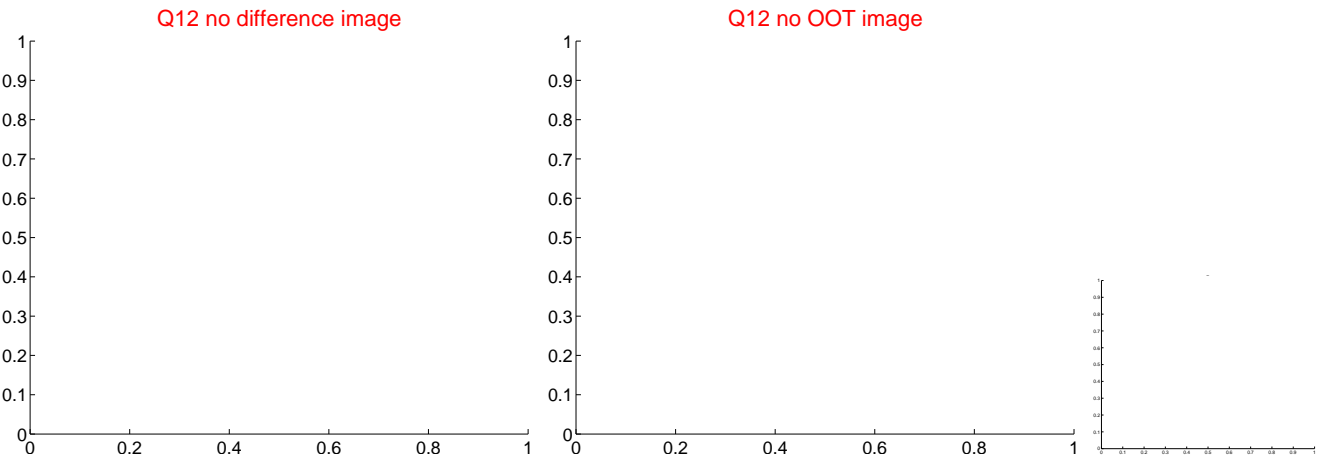
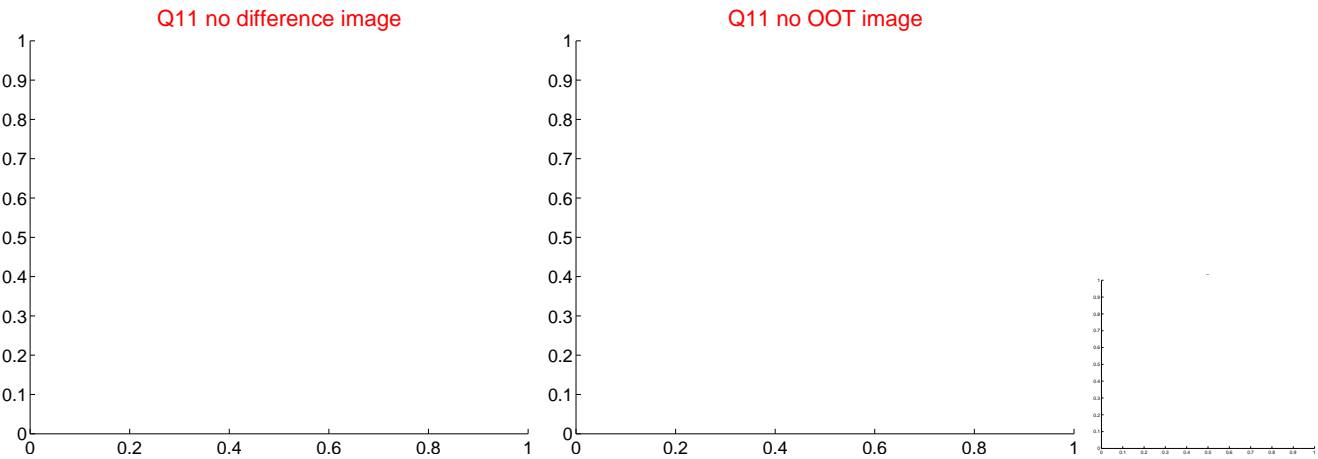
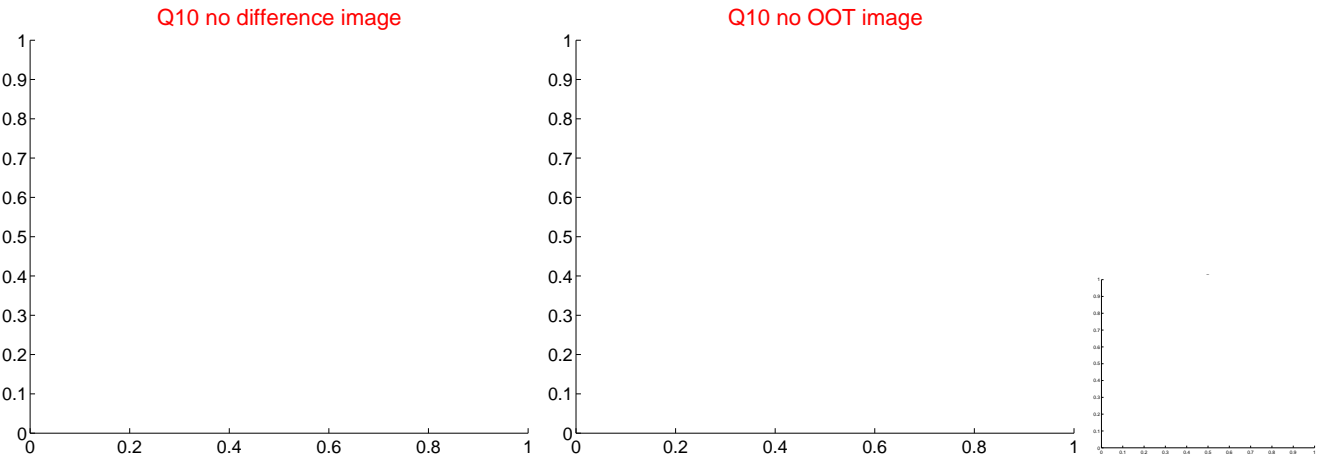
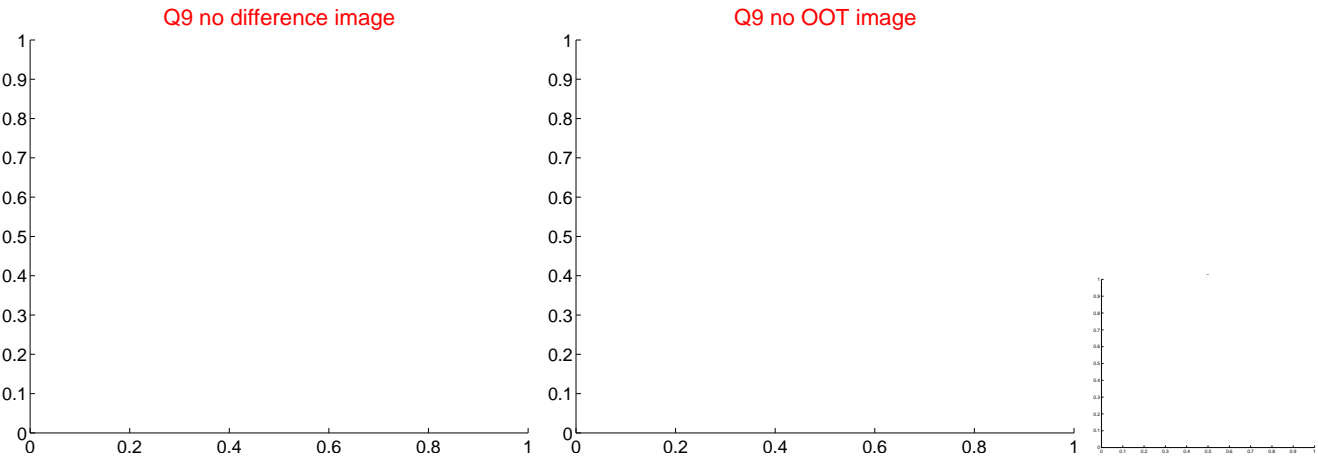
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



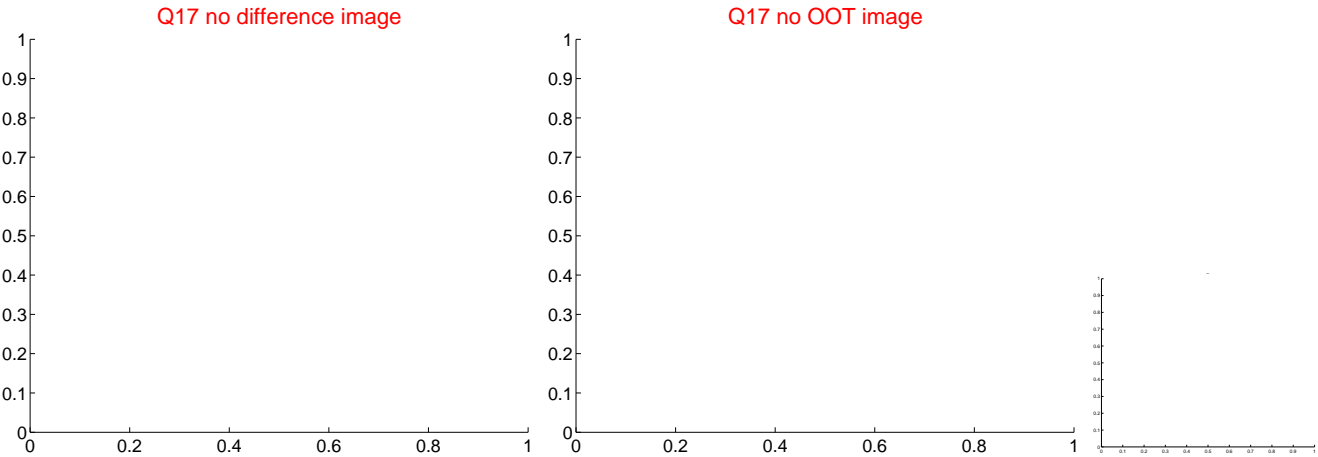
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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.



folded centroid time series figure for this object.

UKIRT Image

Declination

