

KIC 005618126

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})
005618126-01	OBS	No	0.935467	131.591116	68.5	3.786	13.8	12.9	3.09	8394	2.98	75599.18
005618126-02	OBS	No	0.935491	132.238854	71.6	5.333	14.9	13.0	3.09	8394	2.67	75596.62
005618126-03	OBS	No	0.935474	131.883975	76.7	1.729	16.0	18.4	3.09	8394	2.91	75598.39

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005618126-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
005618126-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—LPP_ALT—SAME_NTL_PERIOD
005618126-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—SAME_NTL_PERIOD

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

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

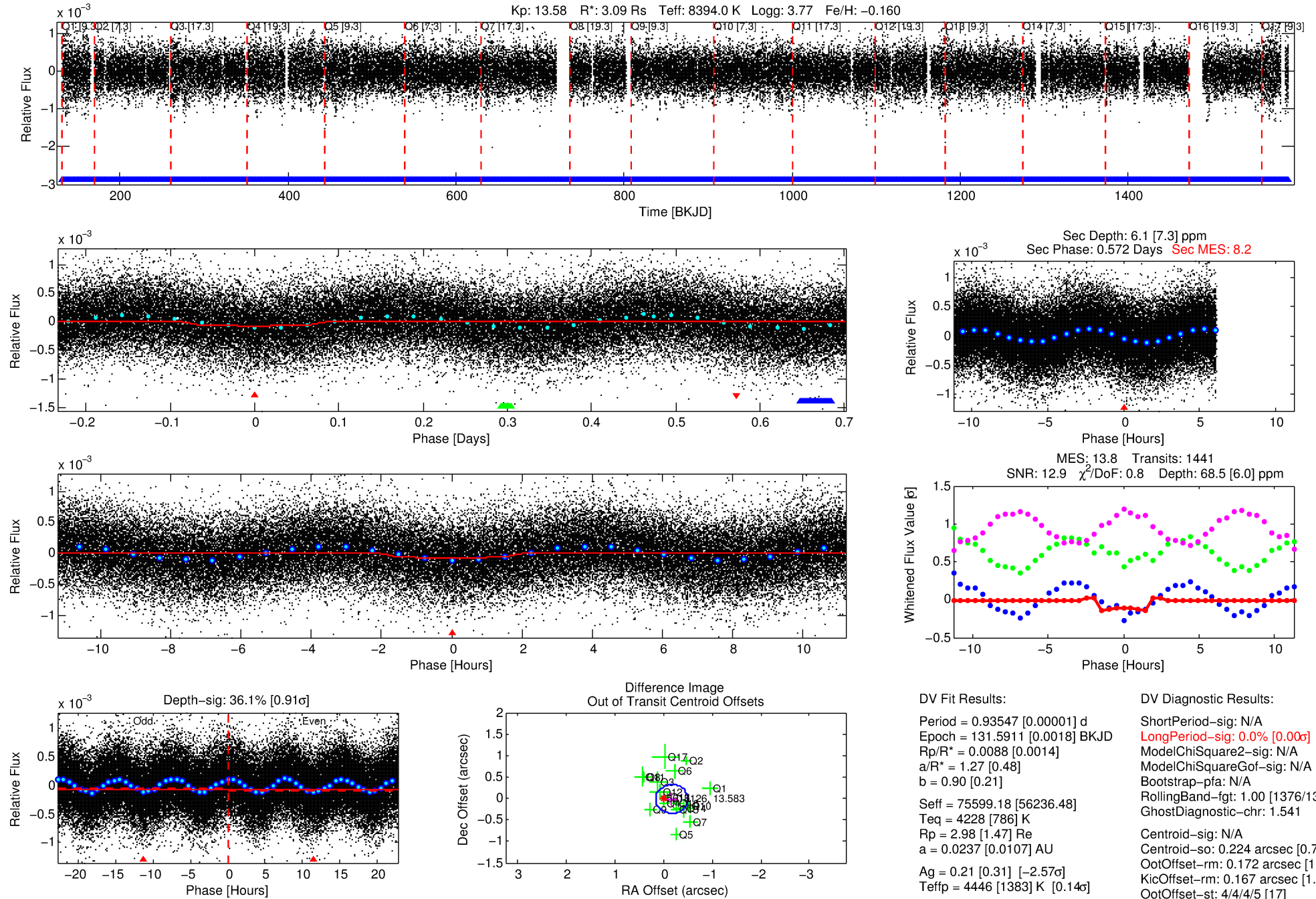
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 005618126-01

No Significant Match Found

DV One-Page Summary

KIC: 5618126 Candidate: 1 of 3 Period: 0.935 d



DV Fit Results:

Period = 0.93547 [0.00001] d
Epoch = 131.5911 [0.0018] BKJD
Rp/R* = 0.0088 [0.0014]
a/R* = 1.27 [0.48]
b = 0.90 [0.21]
Seff = 75599.18 [56236.48]
Teq = 4228 [786] K
Rp = 2.98 [1.47] Re
a = 0.0237 [0.0107] AU
Ag = 0.21 [0.31] [-2.57 σ]
Teffp = 4446 [1383] K [0.14 σ]

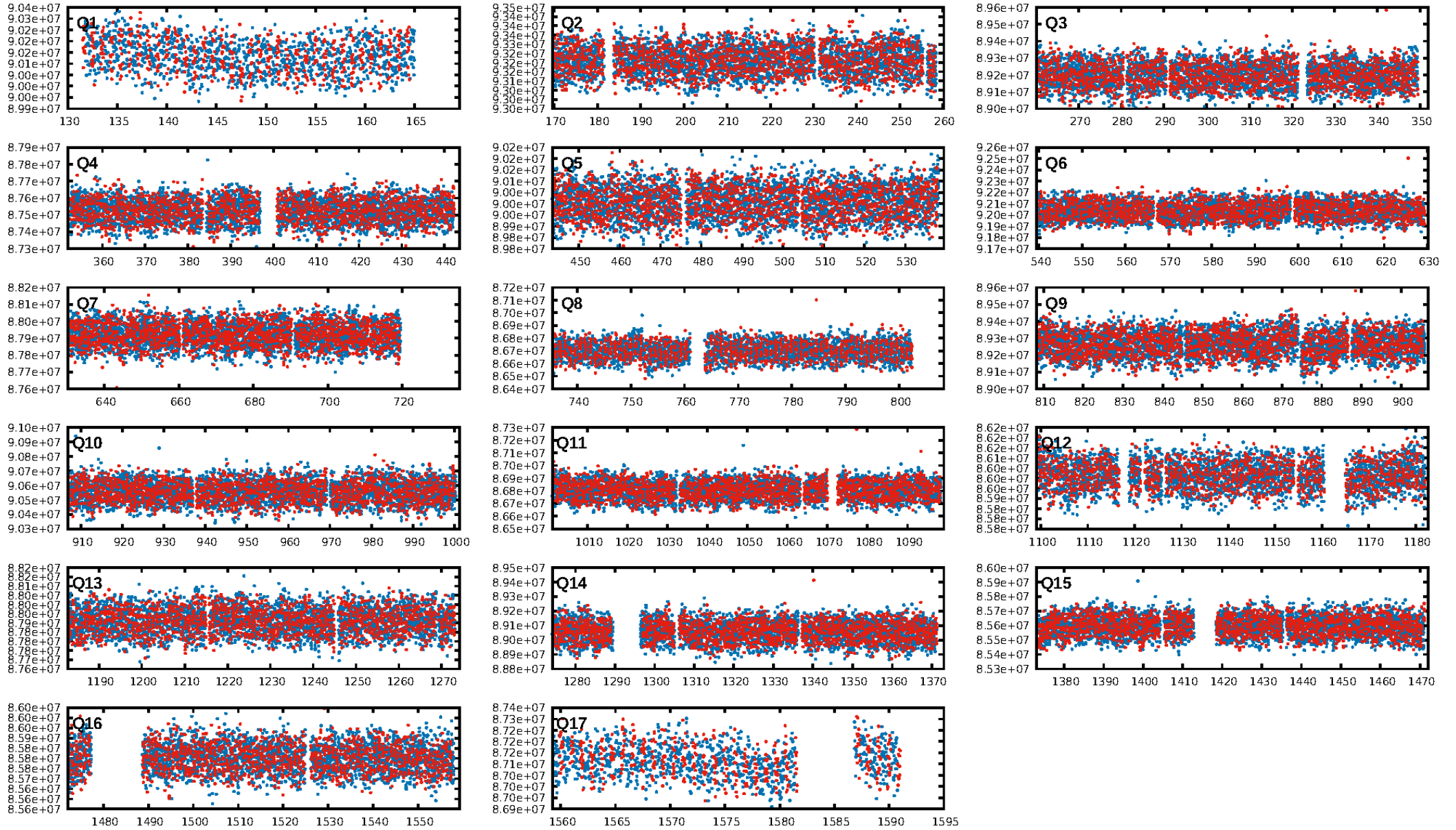
DV Diagnostic Results:

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: 1.00 [1376/1376]
GhostDiagnostic-chr: 1.541
Centroid-sig: N/A
Centroid-so: 0.224 arcsec [0.77 σ]
OotOffset-rm: 0.172 arcsec [1.55 σ]
KicOffset-rm: 0.167 arcsec [1.48 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]

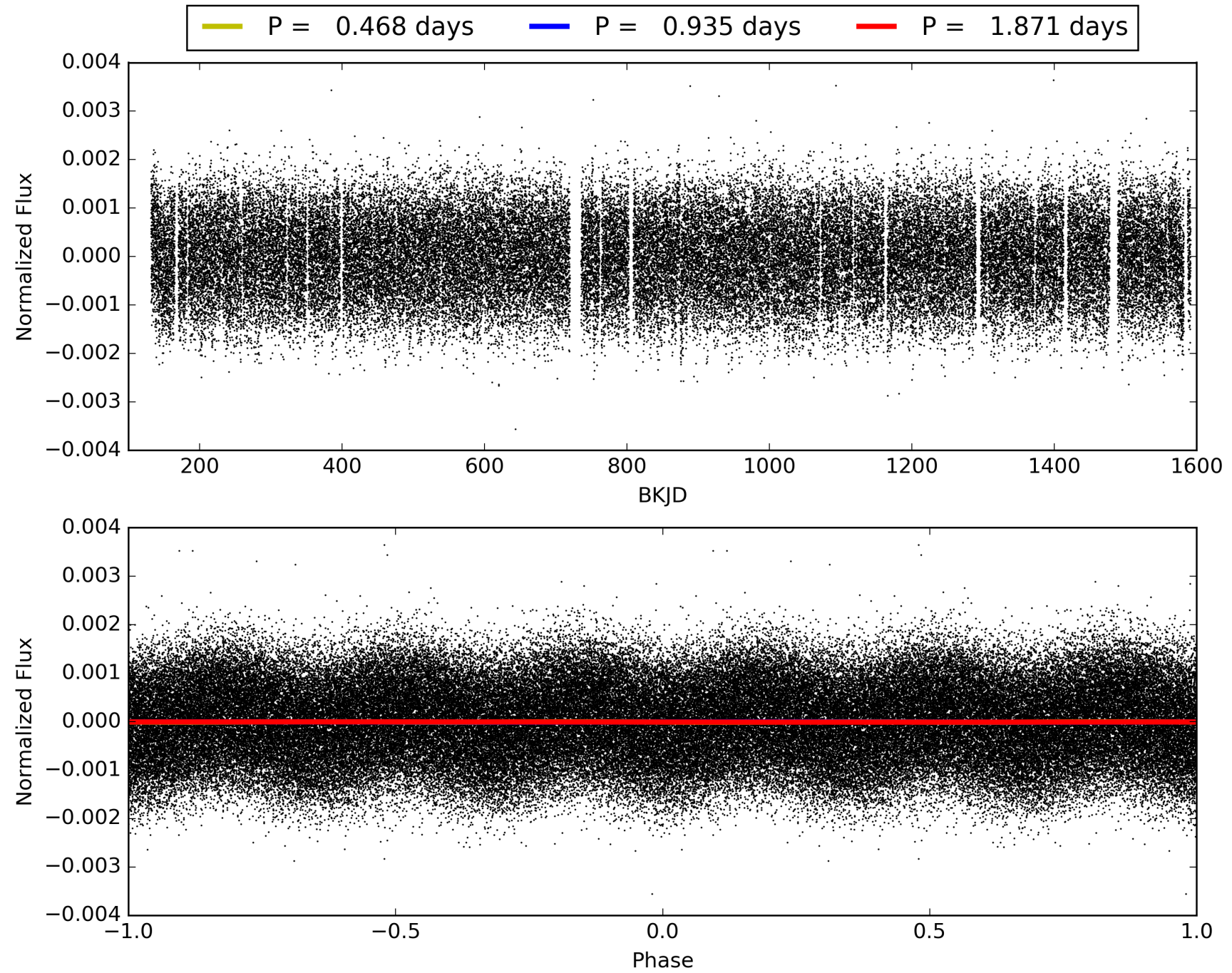
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:05:56 Z

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

TCE 005618126-01, PDC Light Curves

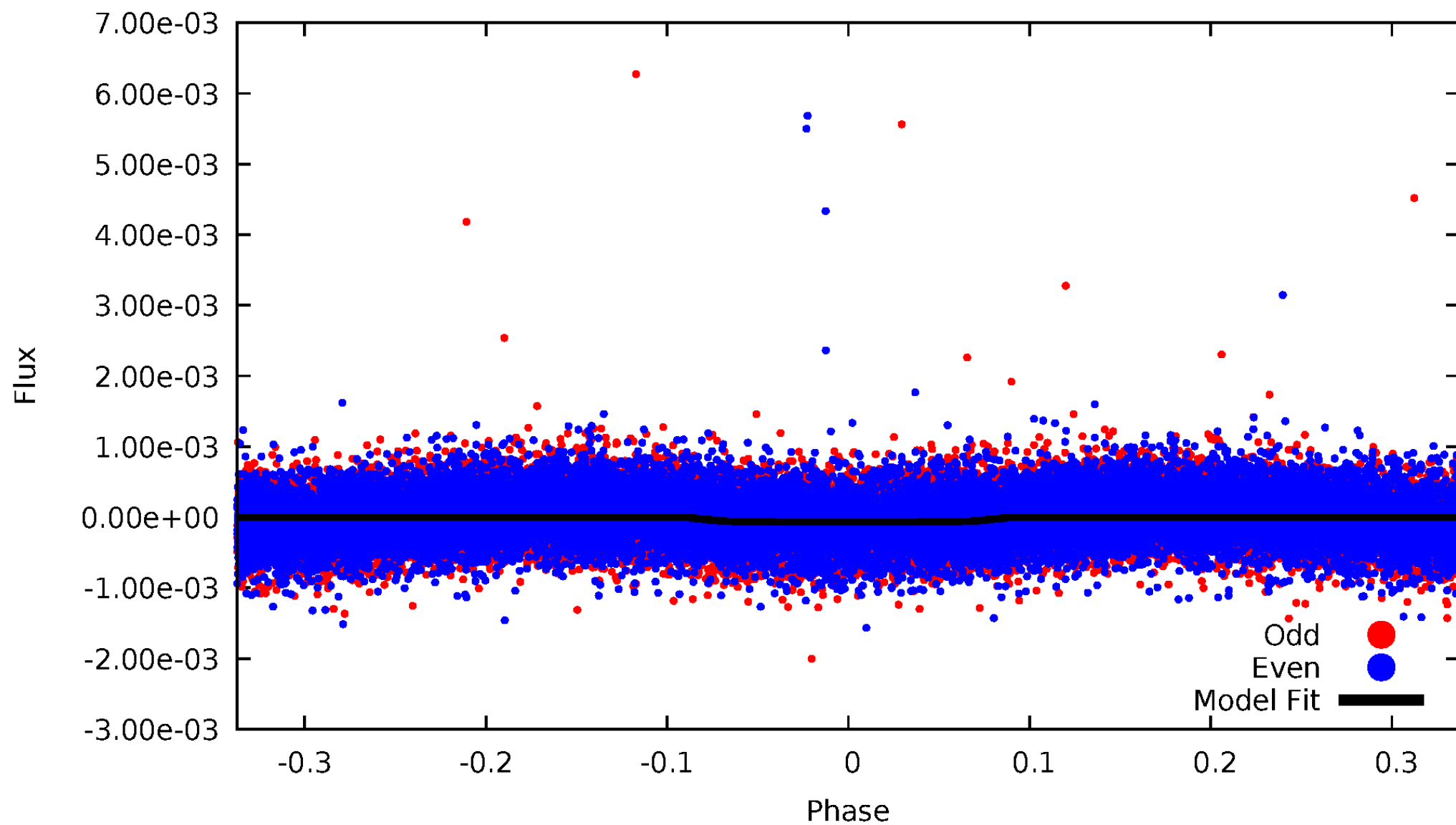


TCE 005618126-01



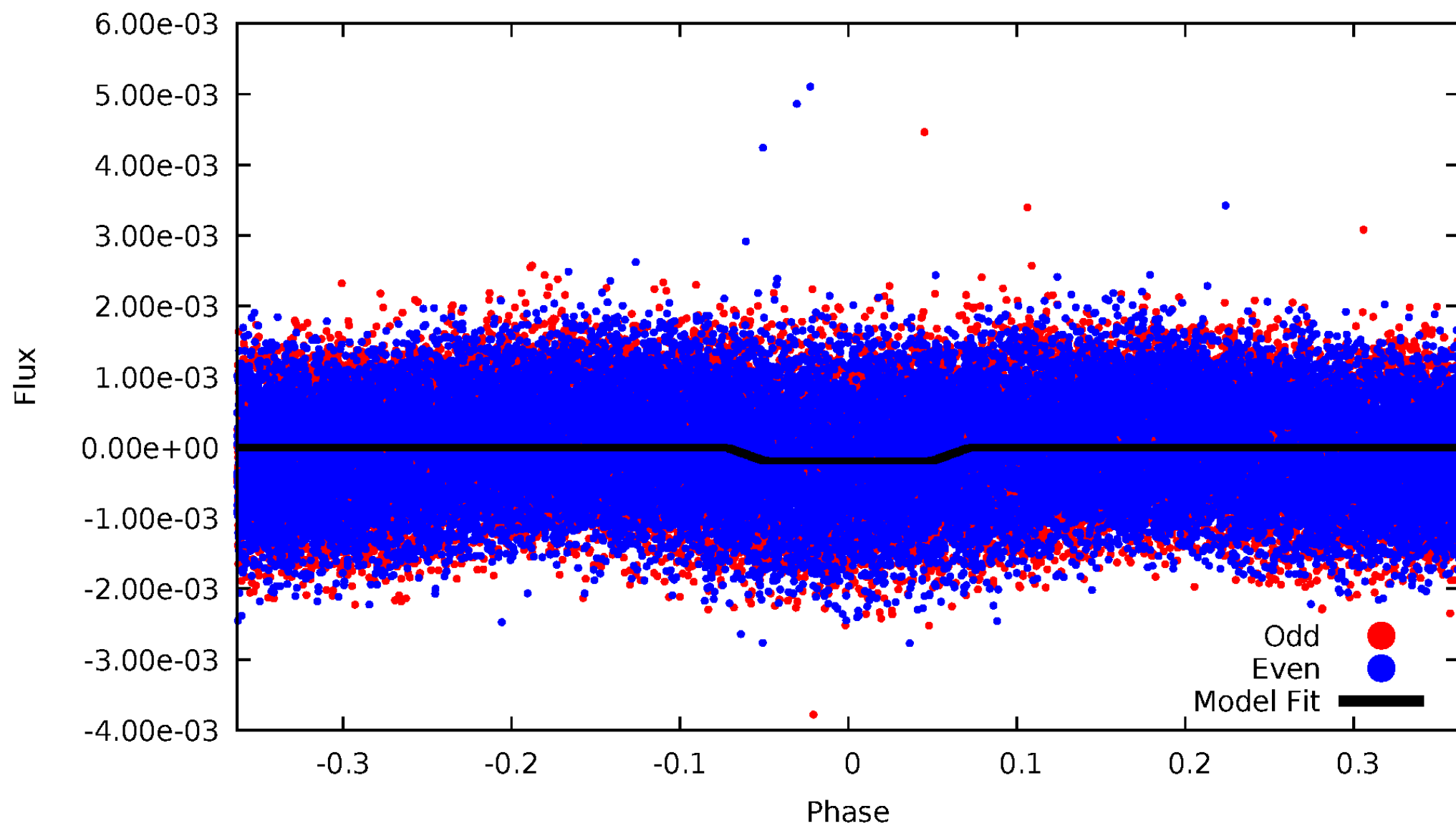
DV Odd/Even

TCE 005618126-01



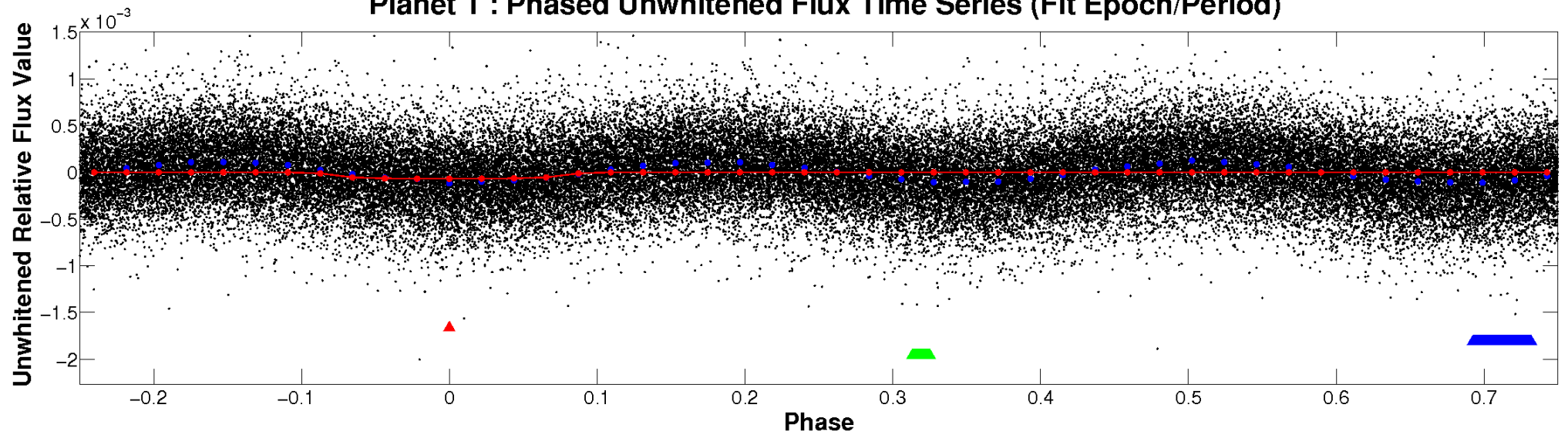
ALT Odd/Even

TCE 005618126-01

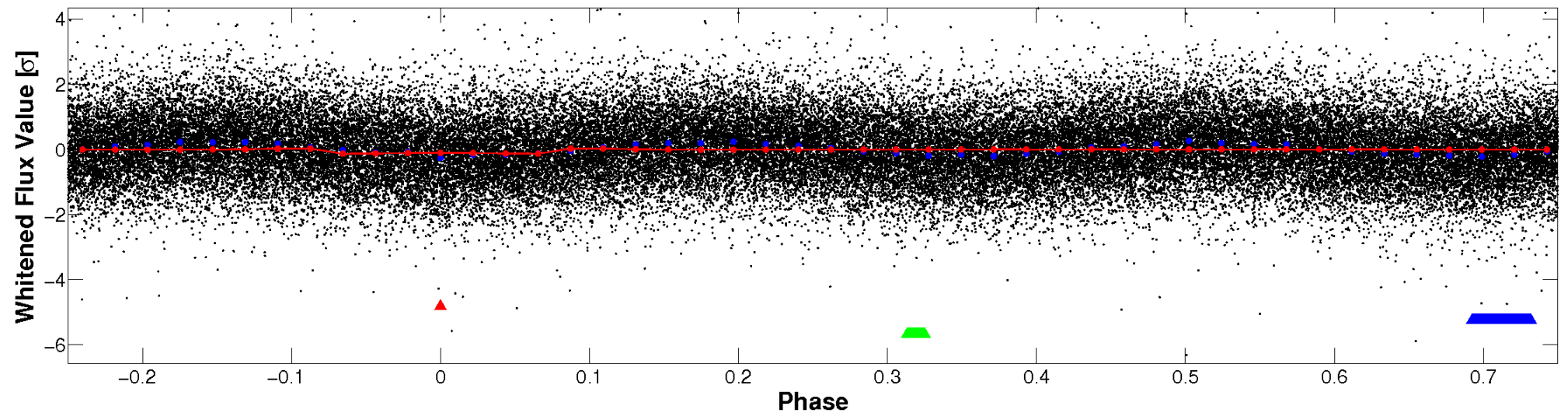


Non-Whitened Vs. Whitened Light Curve

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

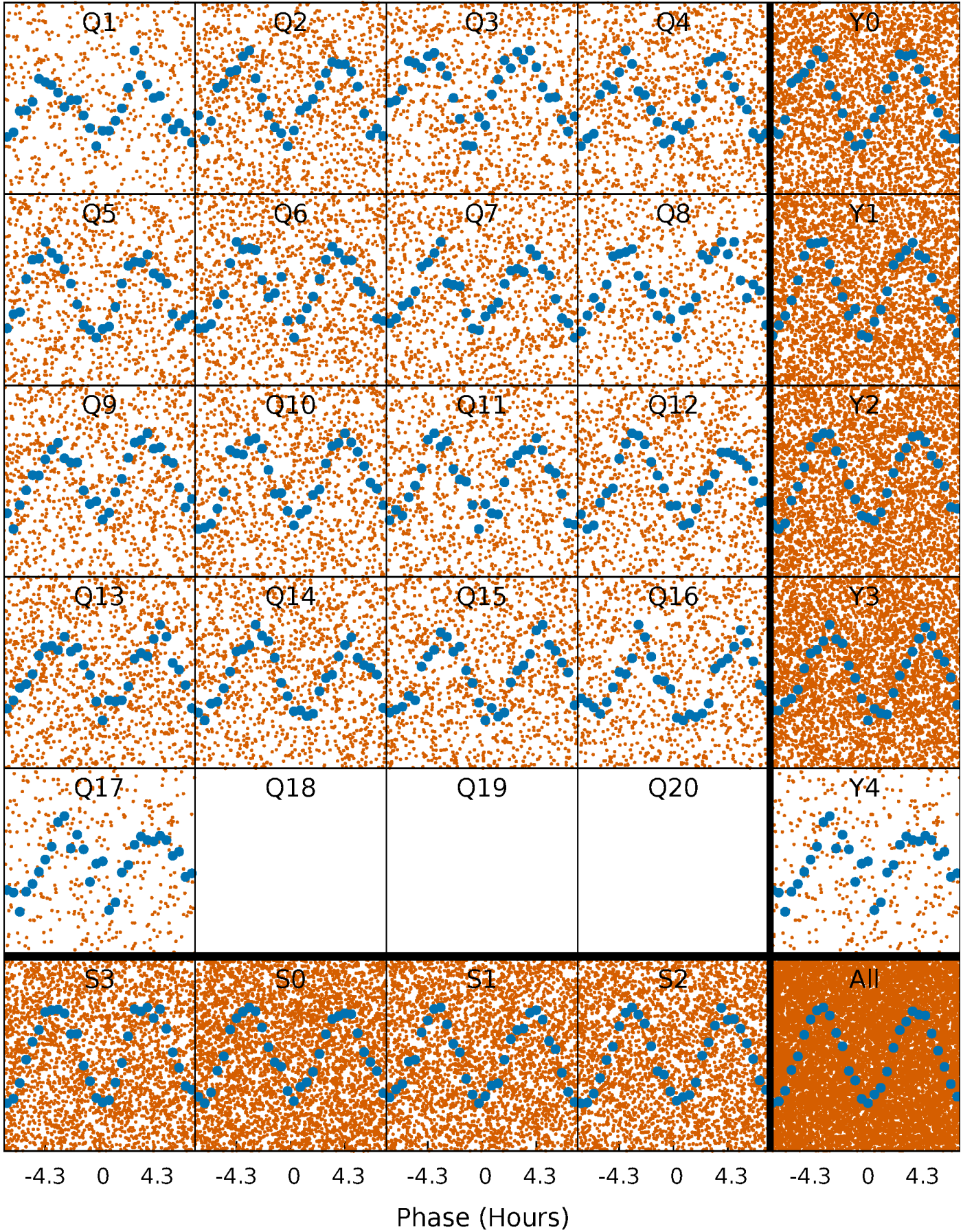


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



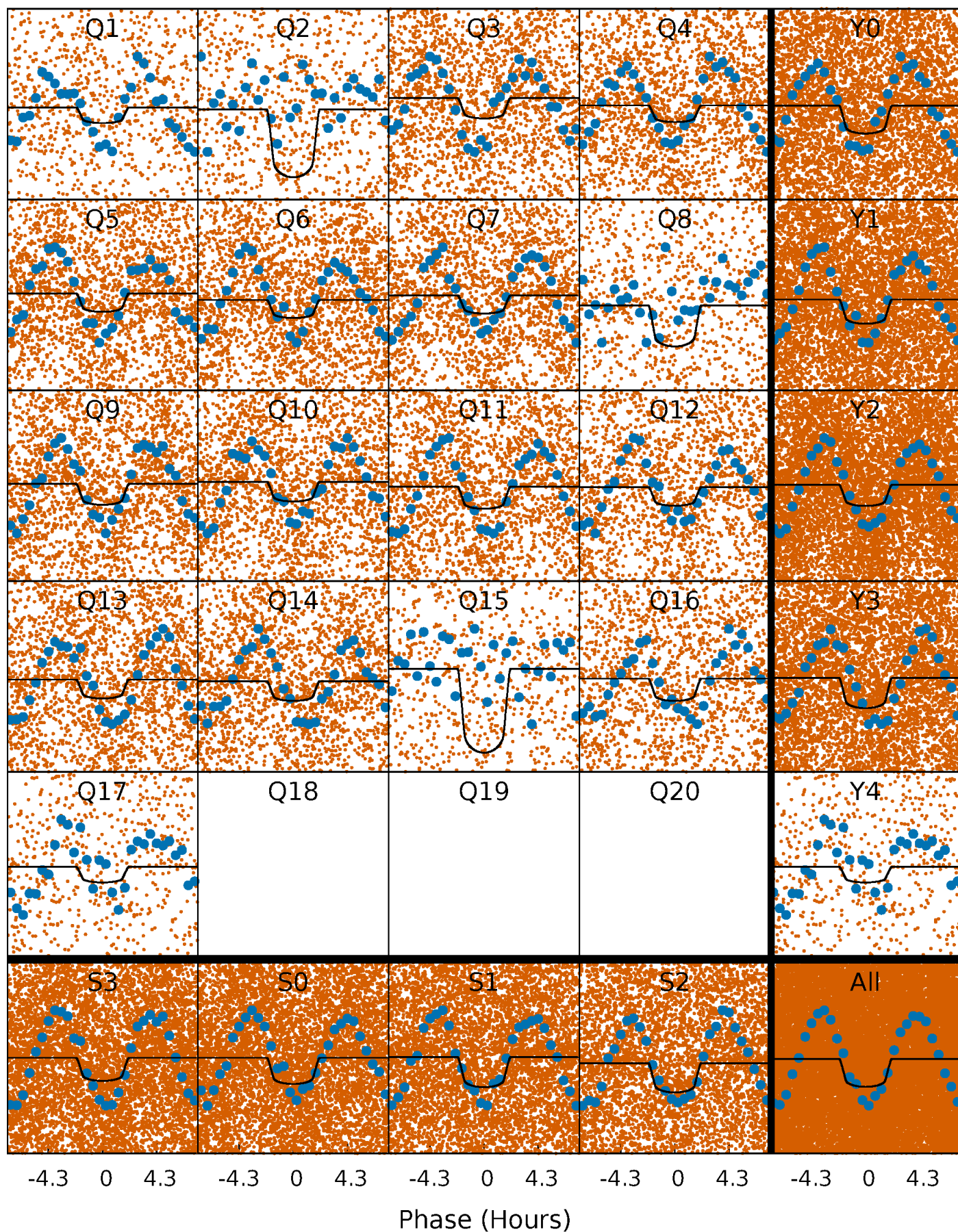
PDC Quarter-Phased Transit Curves

TCE 005618126-01 P= 0.935467 Days $T_0=131.591116$ (BKJD)



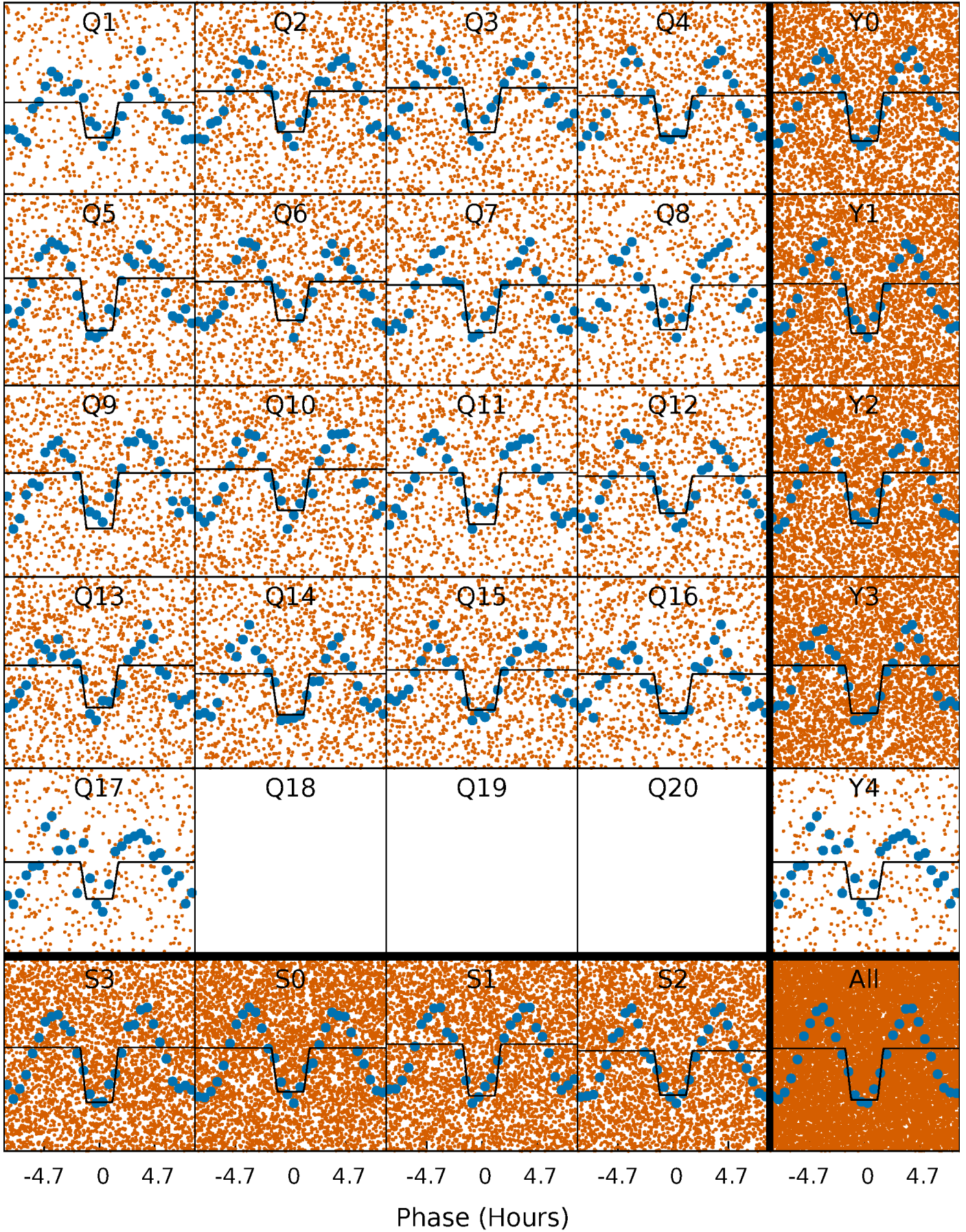
DV Quarter-Phased Transit Curves

TCE 005618126-01 P= 0.935467 Days $T_0=131.591116$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

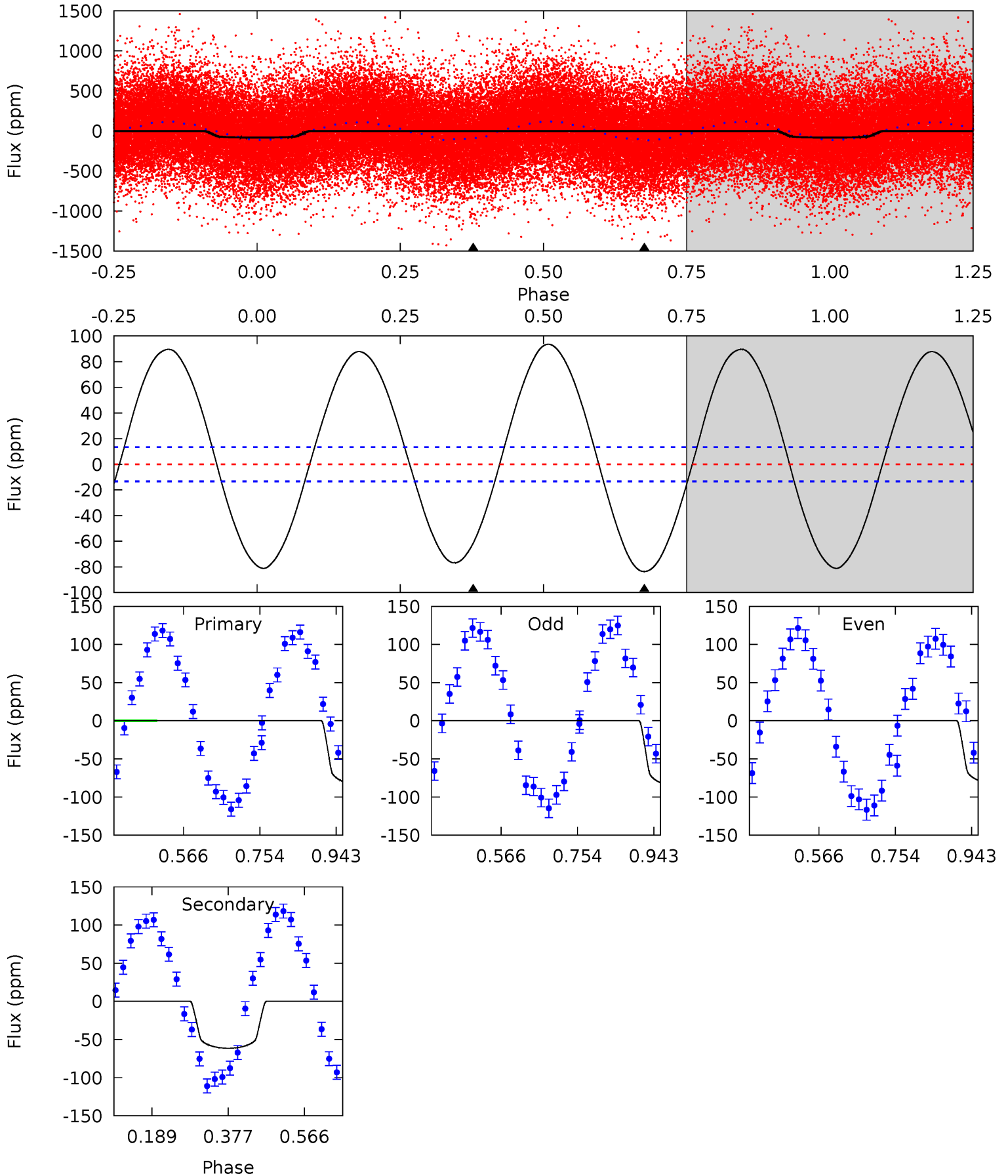
TCE 005618126-01 P= 0.935514 Days $T_0=131.565775$ (BKJD)



DV Model-Shift Uniqueness Test

005618126-01, P = 0.935467 Days, E = 130.655649 Days

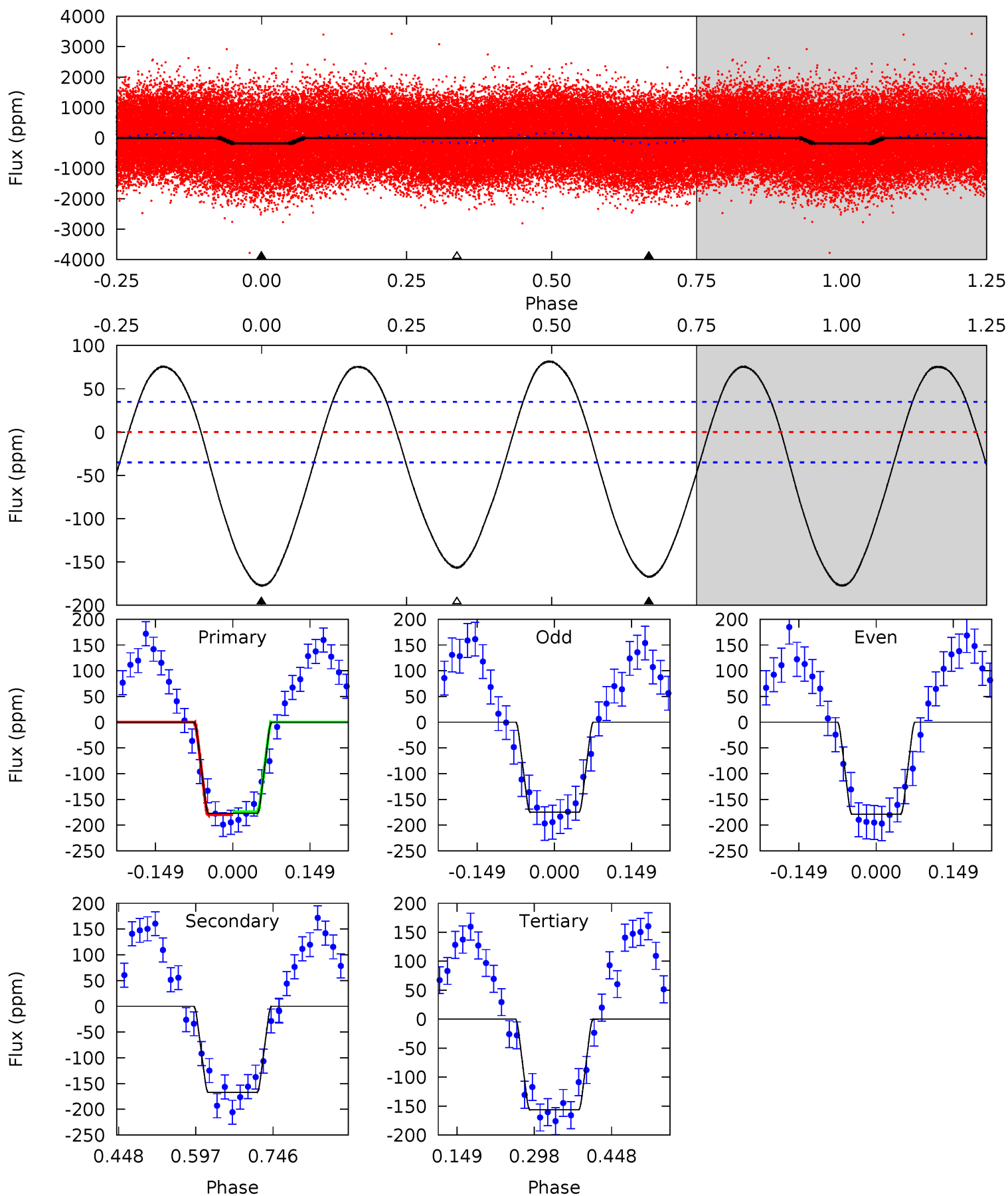
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
27.7	20.3	0	0	4.43	1.31	19.5	27.7	27.7	20.3	20.3	0.54	1.14	0.53	4.92



Alt Model-Shift Uniqueness Test

005618126-01, P = 0.935514 Days, E = 130.630261 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
22.7	21.4	20.1	0	4.48	1.44	11.1	2.66	22.7	1.36	21.4	0.24	1.04	0.32	0.39



Stellar Parameters For KIC 005618126

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8394^{+203}_{-377}	$3.765^{+0.424}_{-0.106}$	$-0.160^{+0.250}_{-0.350}$	$3.088^{+0.778}_{-1.446}$	$2.024^{+0.320}_{-0.481}$	$0.097^{+0.377}_{-0.034}$
	+2%/-4%	+11%/-3%	+156%/-219%	+25%/-47%	+16%/-24%	+389%/-35%
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 005618126-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-61 ± 3	$2.76^{+0.74}_{-0.74}$	5689^{+442}_{-691}	7428^{+1036}_{-718}	$2.533^{+1.962}_{-0.927}$
Alt.	-167 ± 8	$4.39^{+0.97}_{-1.09}$	5711^{+421}_{-672}	7674^{+708}_{-547}	$2.673^{+1.936}_{-0.799}$

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

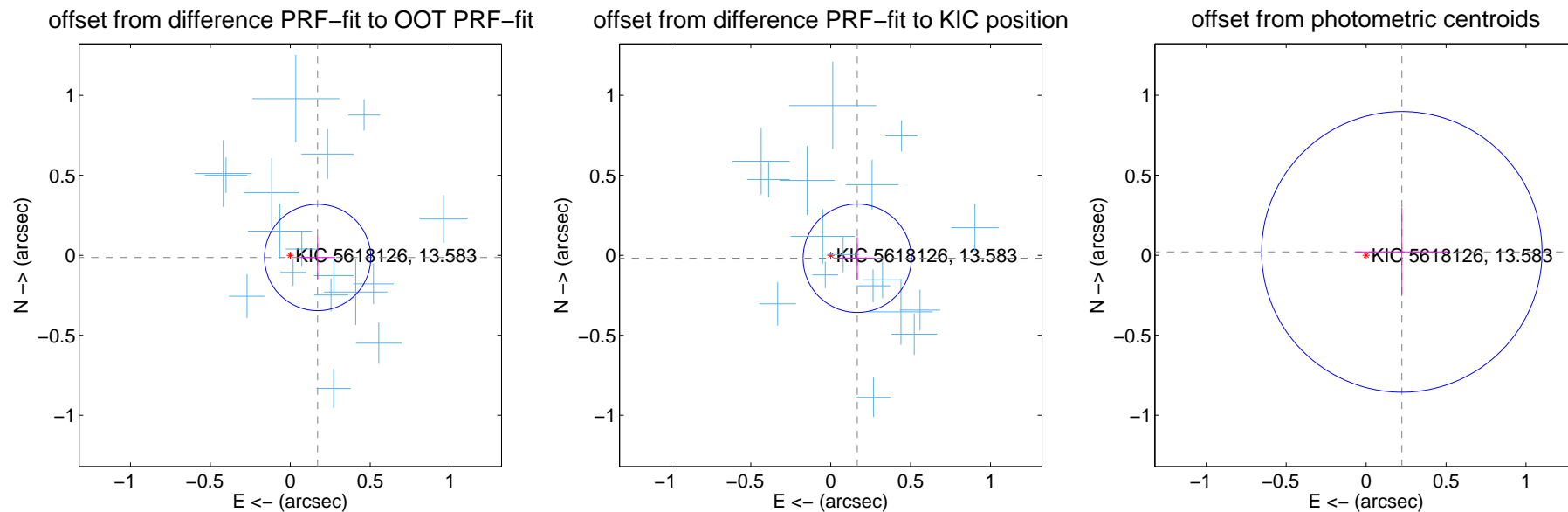
DV Centroid Data

Supplemental centroid analysis for 005618126-01. Kepler magnitude: 13.58. Transit SNR 12.89

There are 17 quarters with good PRF difference image offsets

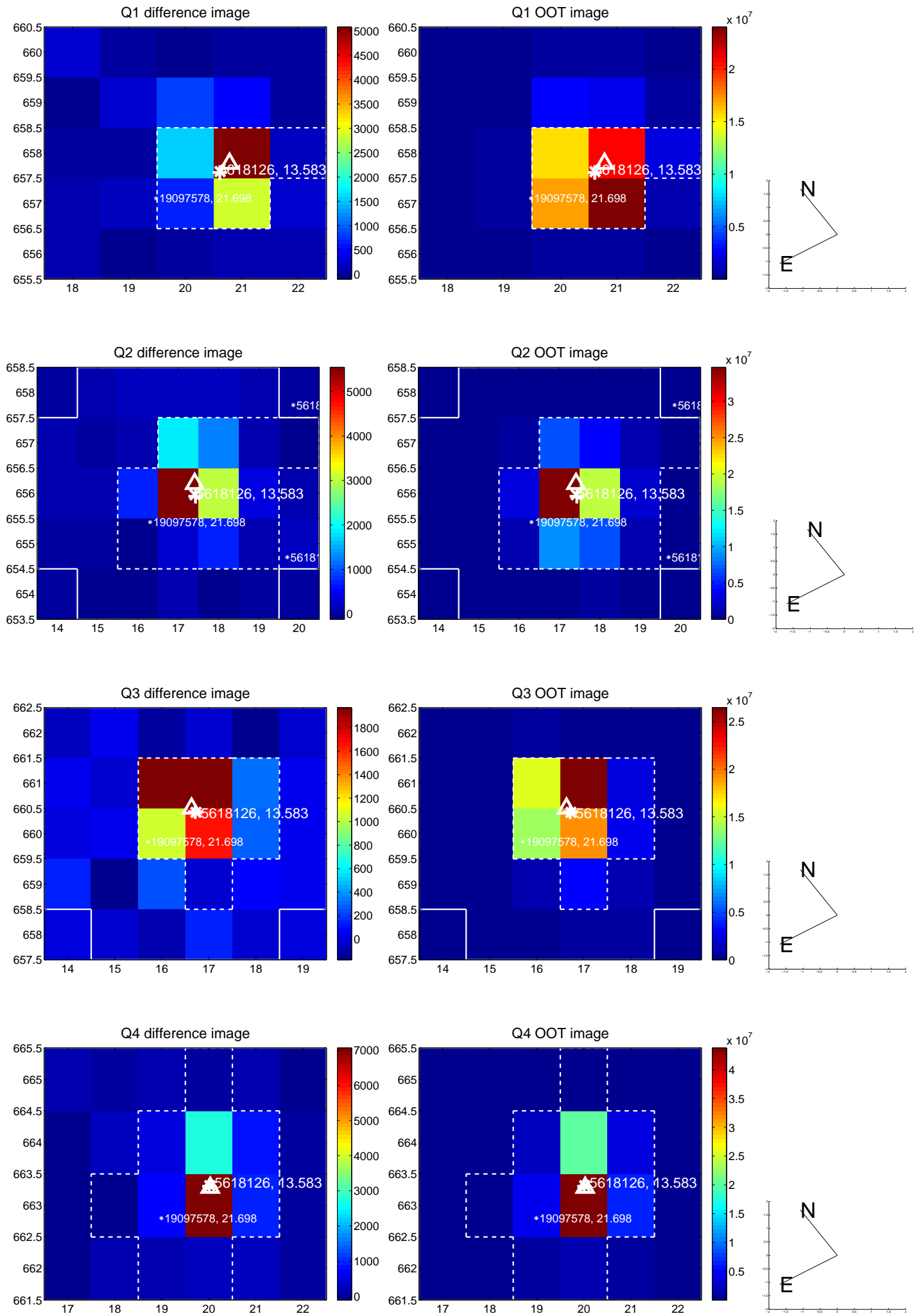
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.172 ± 0.111	1.55	-0.171 ± 0.111	-0.014 ± 0.135
PRF-fit source offset from KIC position	0.167 ± 0.113	1.48	-0.166 ± 0.113	-0.019 ± 0.132
photometric centroid source offset	0.22 ± 0.29	0.77	-0.22 ± 0.29	0.02 ± 0.28

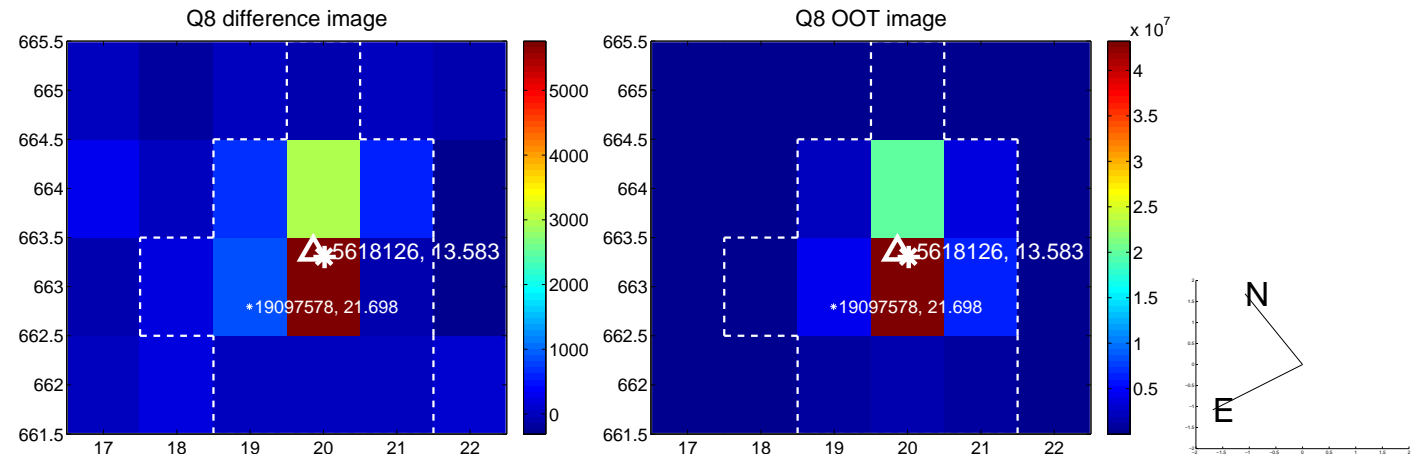
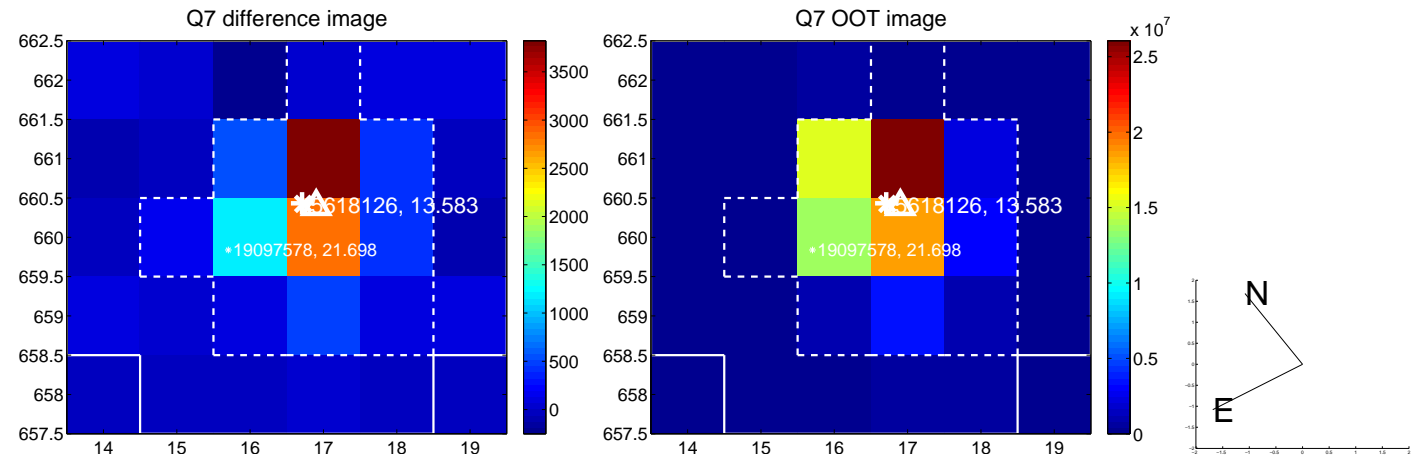
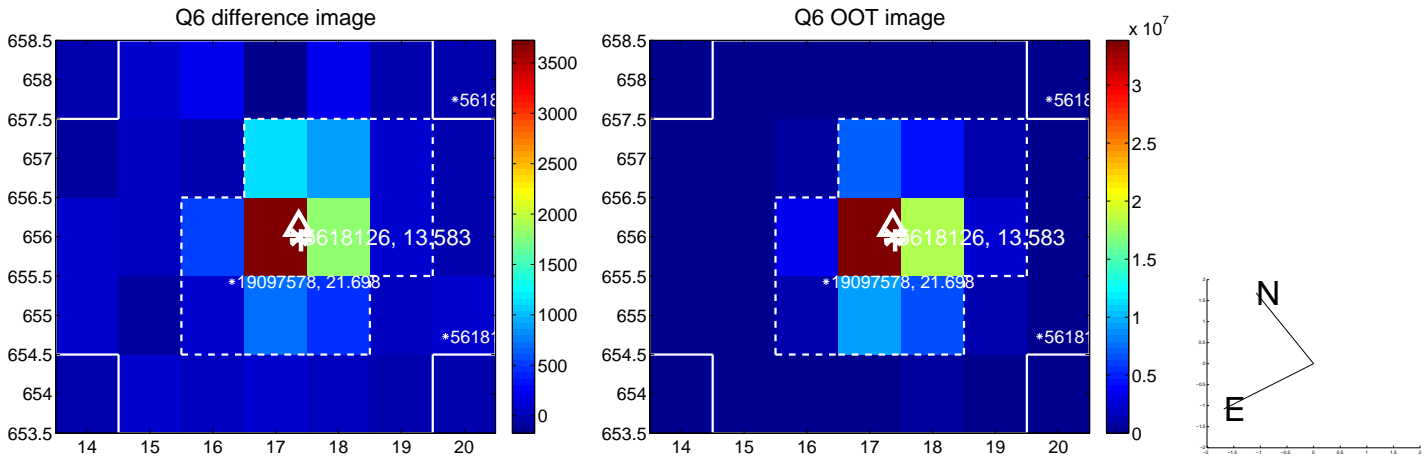
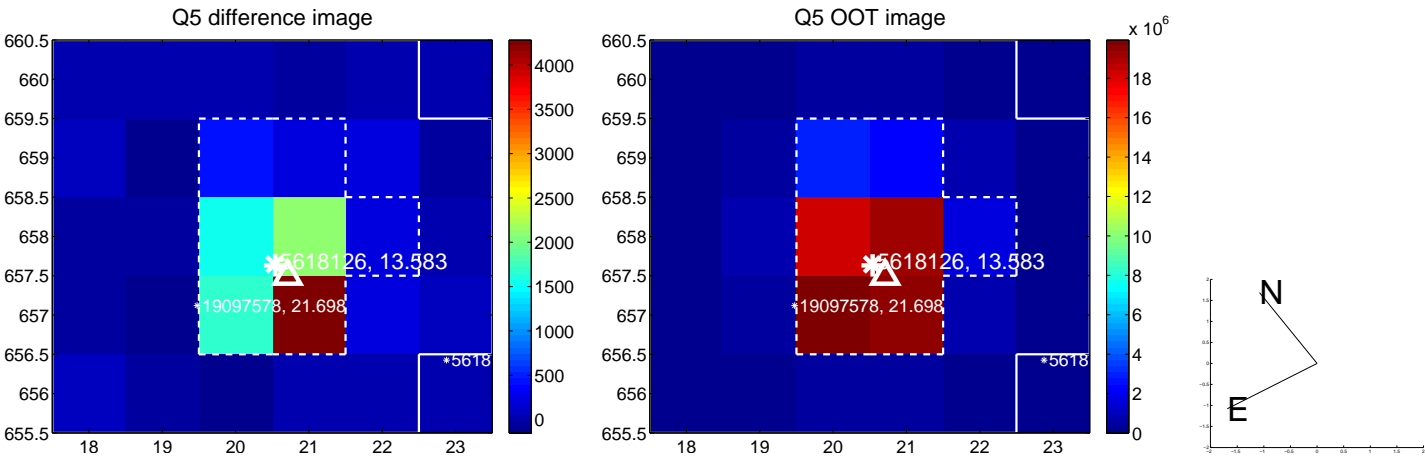


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets**; **Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

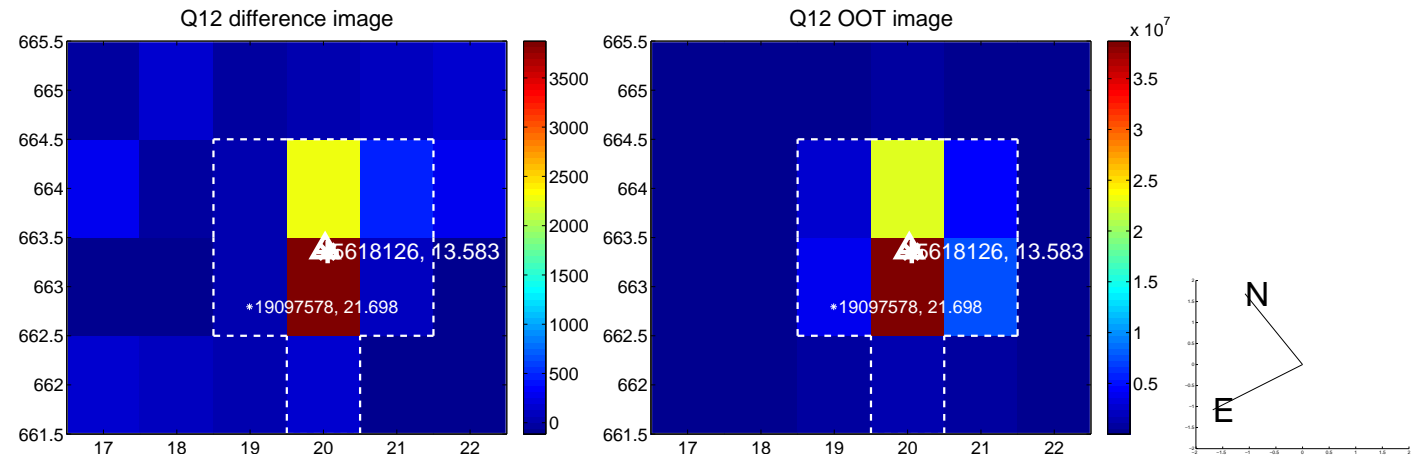
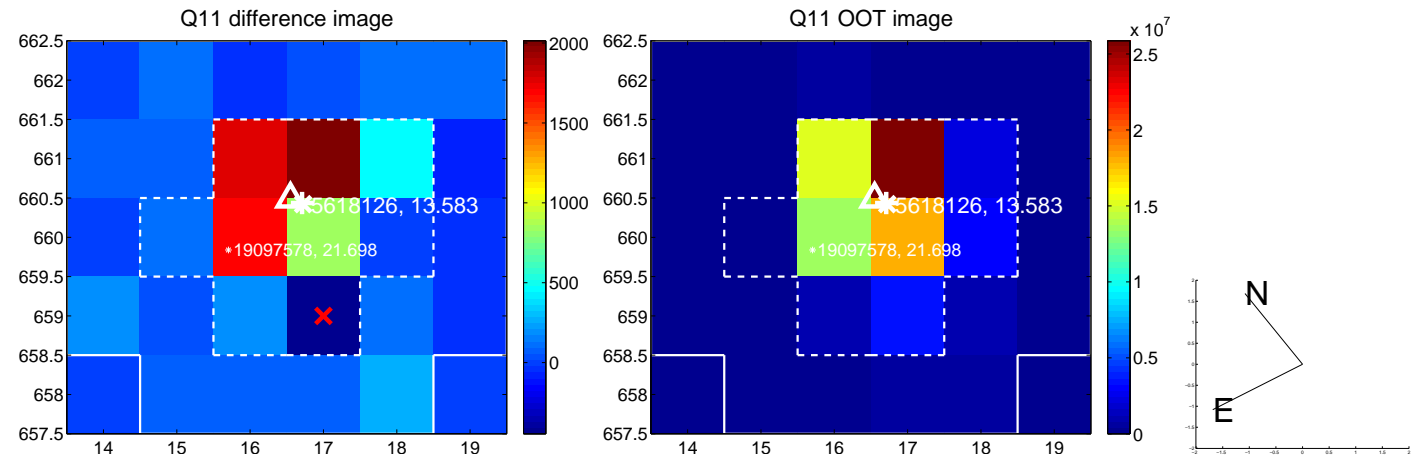
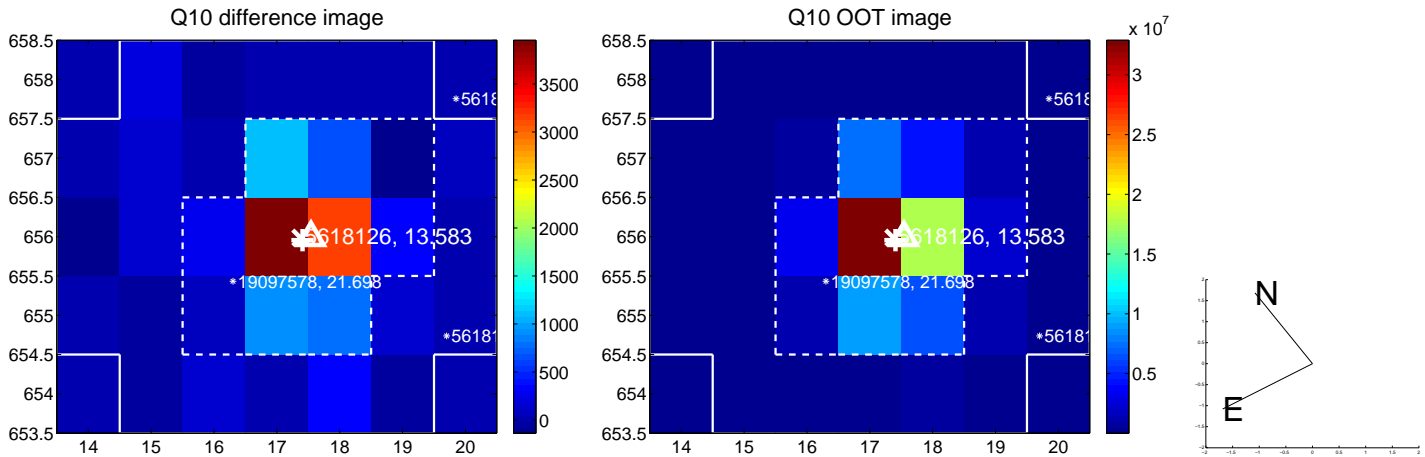
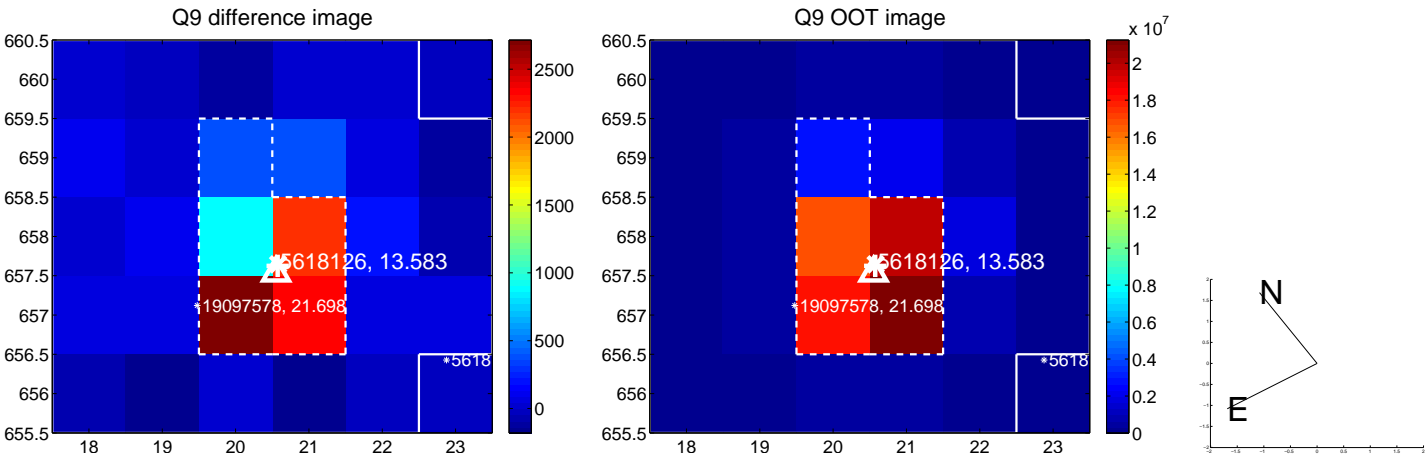
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



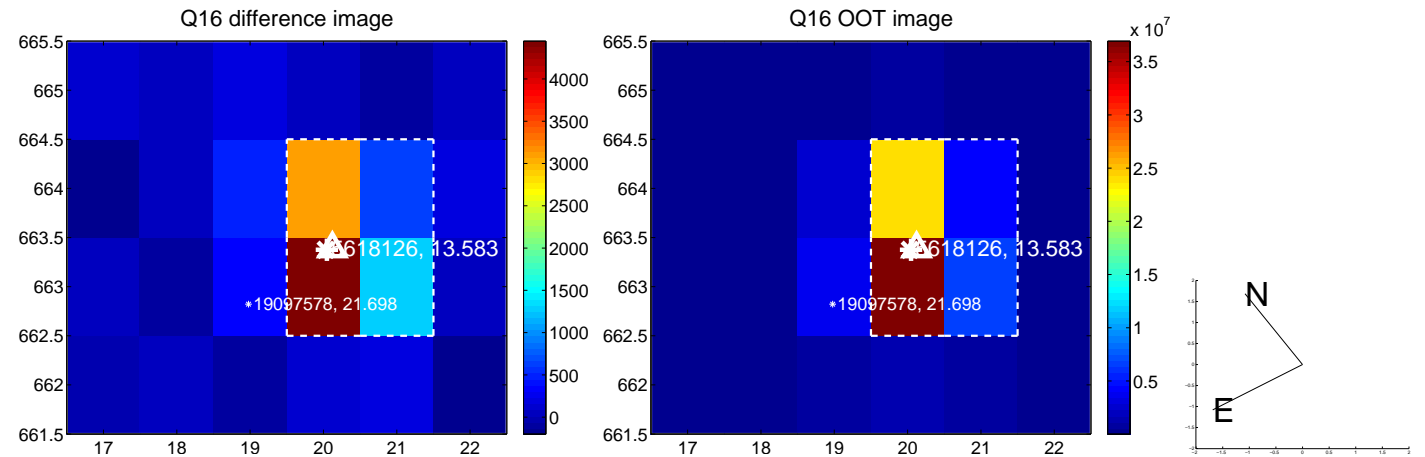
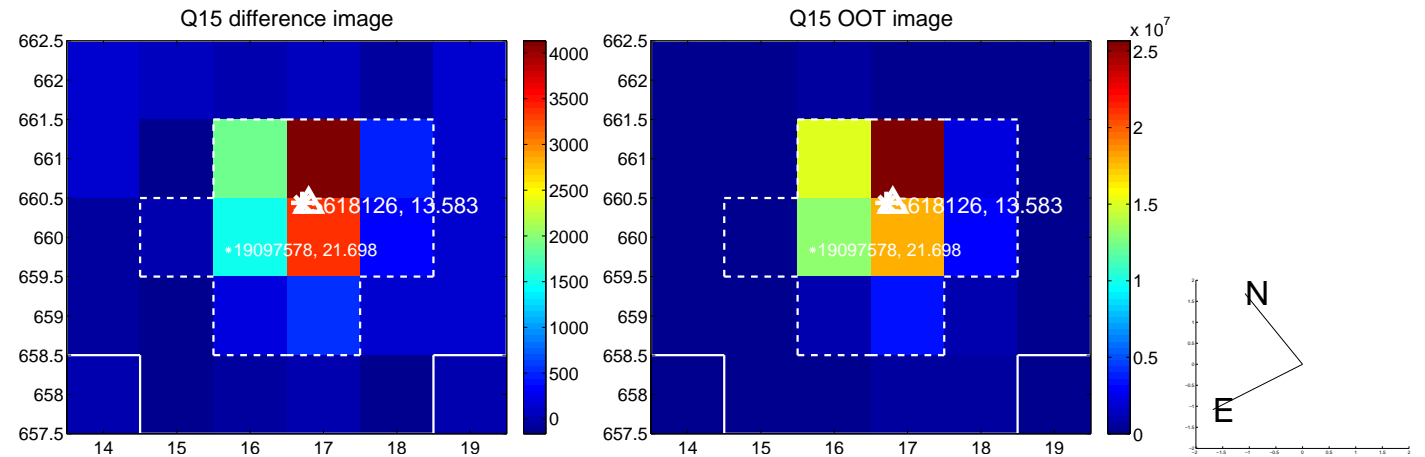
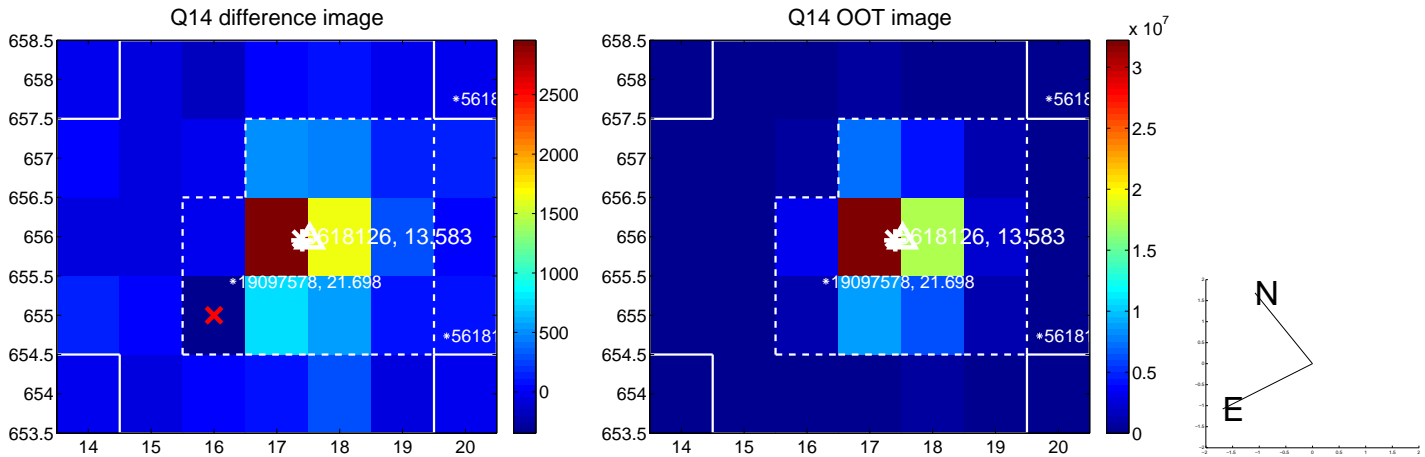
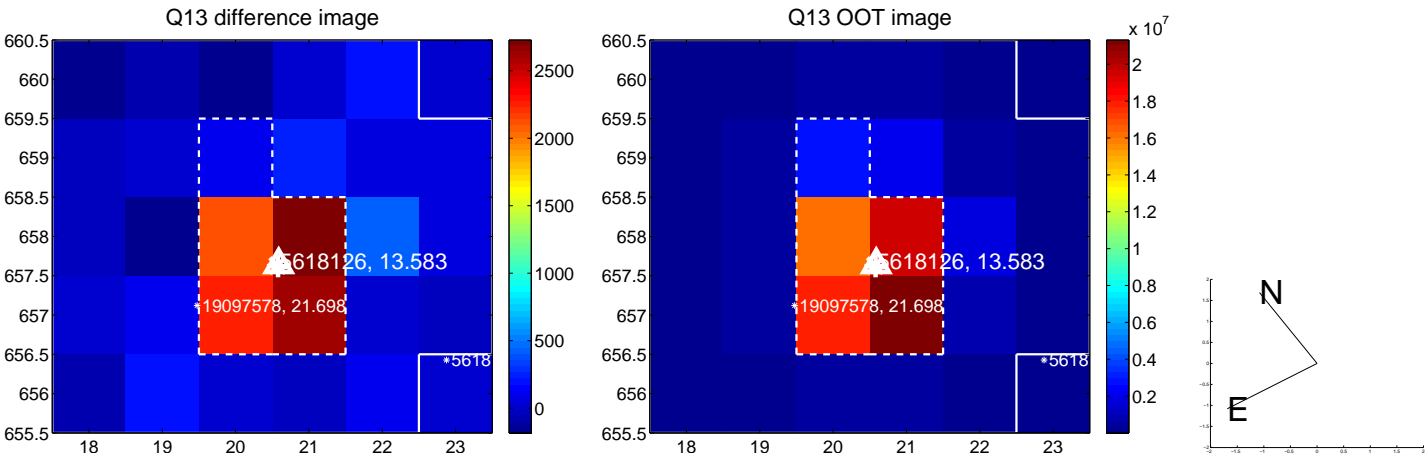
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



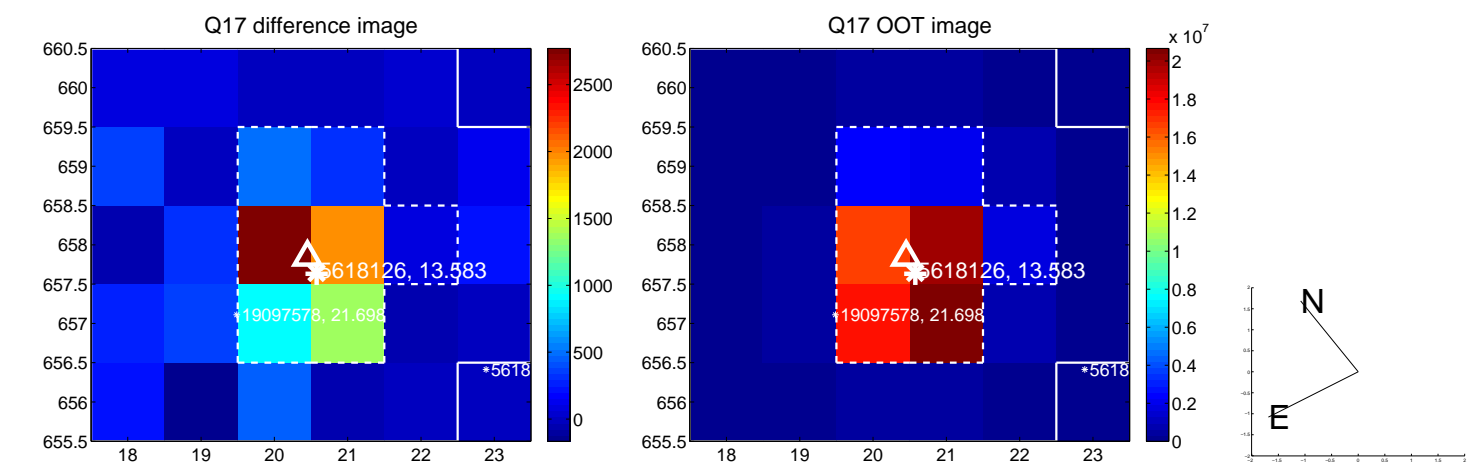
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



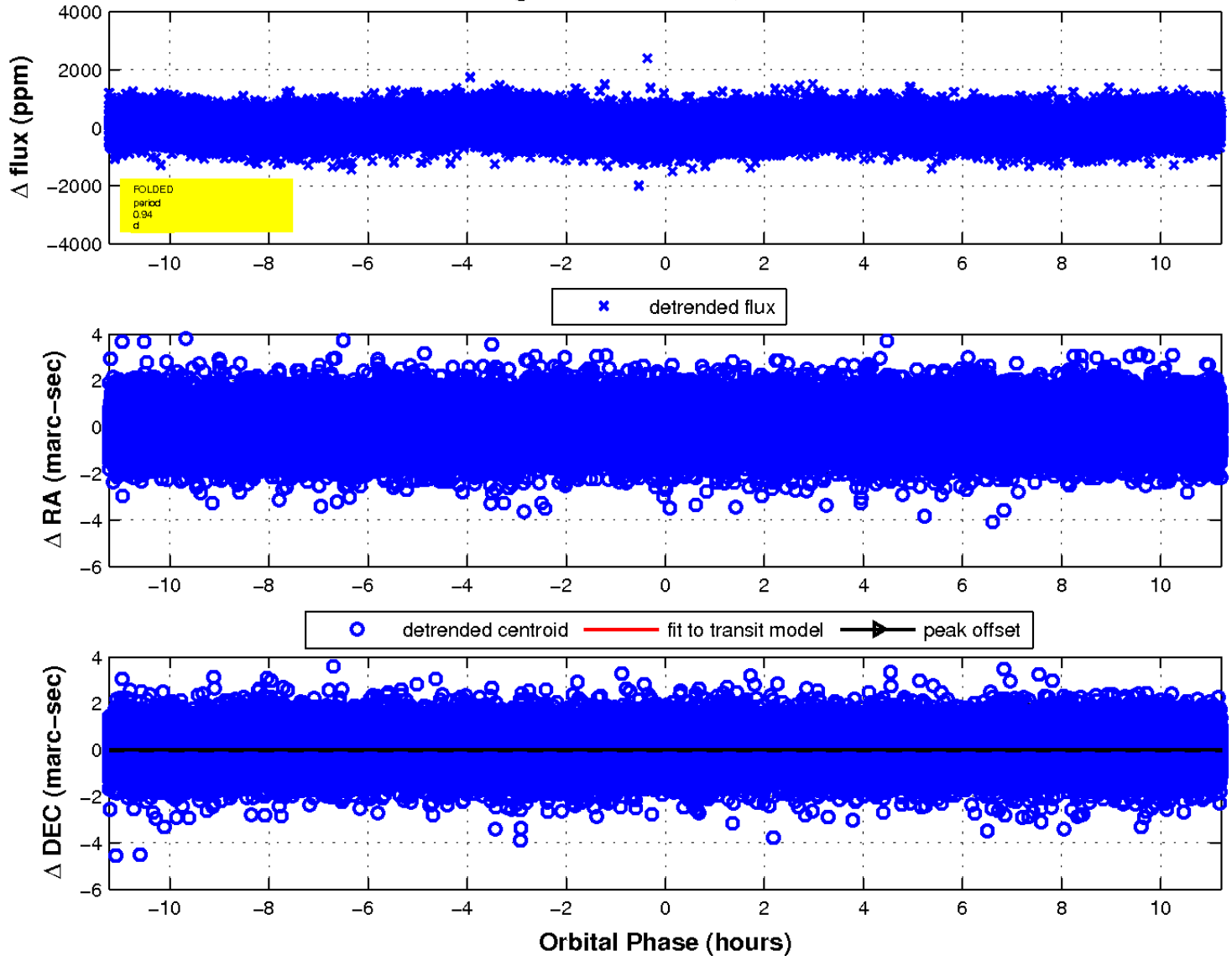
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

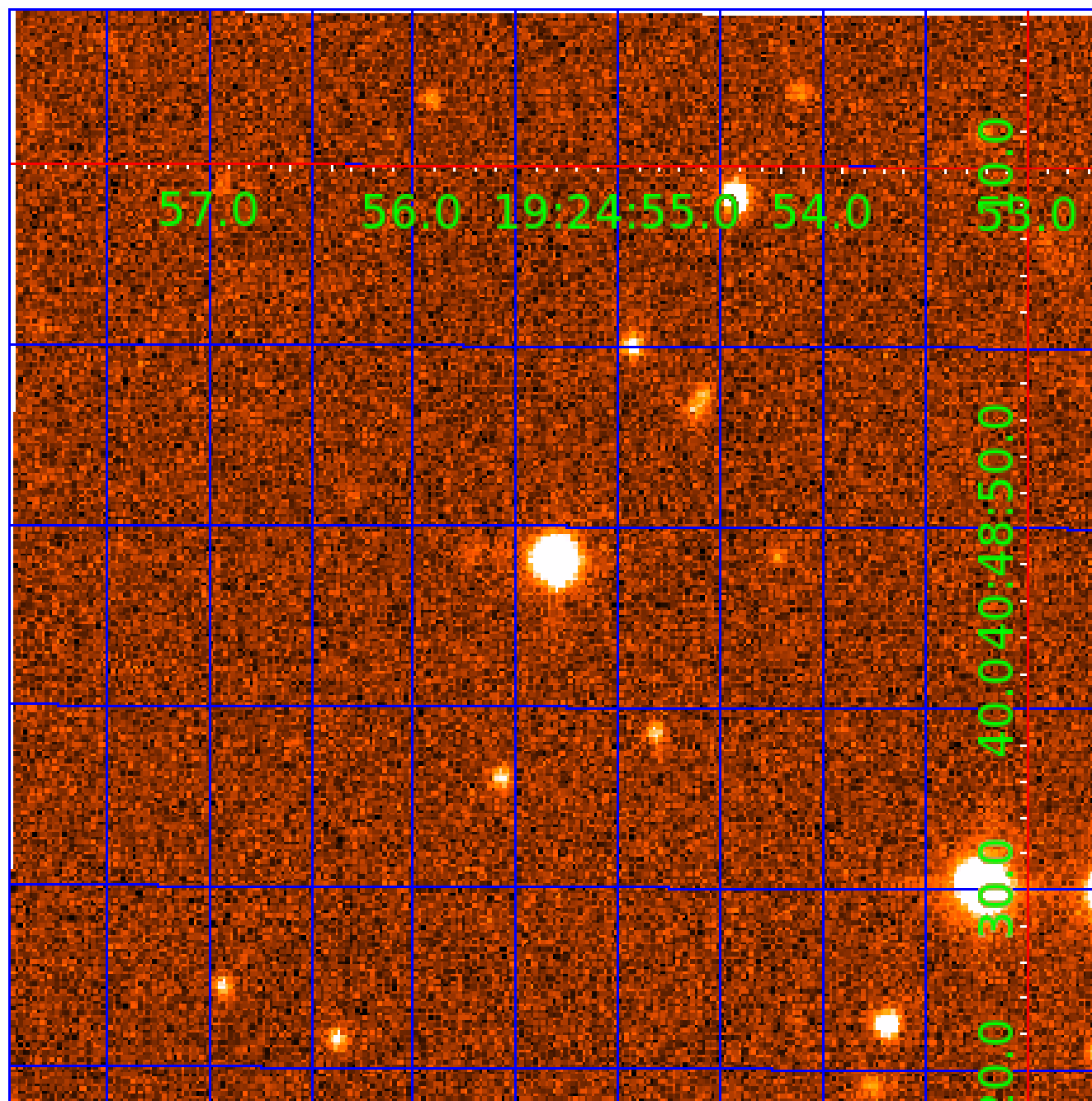


fluxWeightedCentroids, Planet 1 of 3



UKIRT Image

Declination



KIC 005618126

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})
005618126-01	OBS	No	0.935467	131.591116	68.5	3.786	13.8	12.9	3.09	8394	2.98	75599.18
005618126-02	OBS	No	0.935491	132.238854	71.6	5.333	14.9	13.0	3.09	8394	2.67	75596.62
005618126-03	OBS	No	0.935474	131.883975	76.7	1.729	16.0	18.4	3.09	8394	2.91	75598.39

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005618126-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
005618126-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—LPP_ALT—SAME_NTL_PERIOD
005618126-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—SAME_NTL_PERIOD

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

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

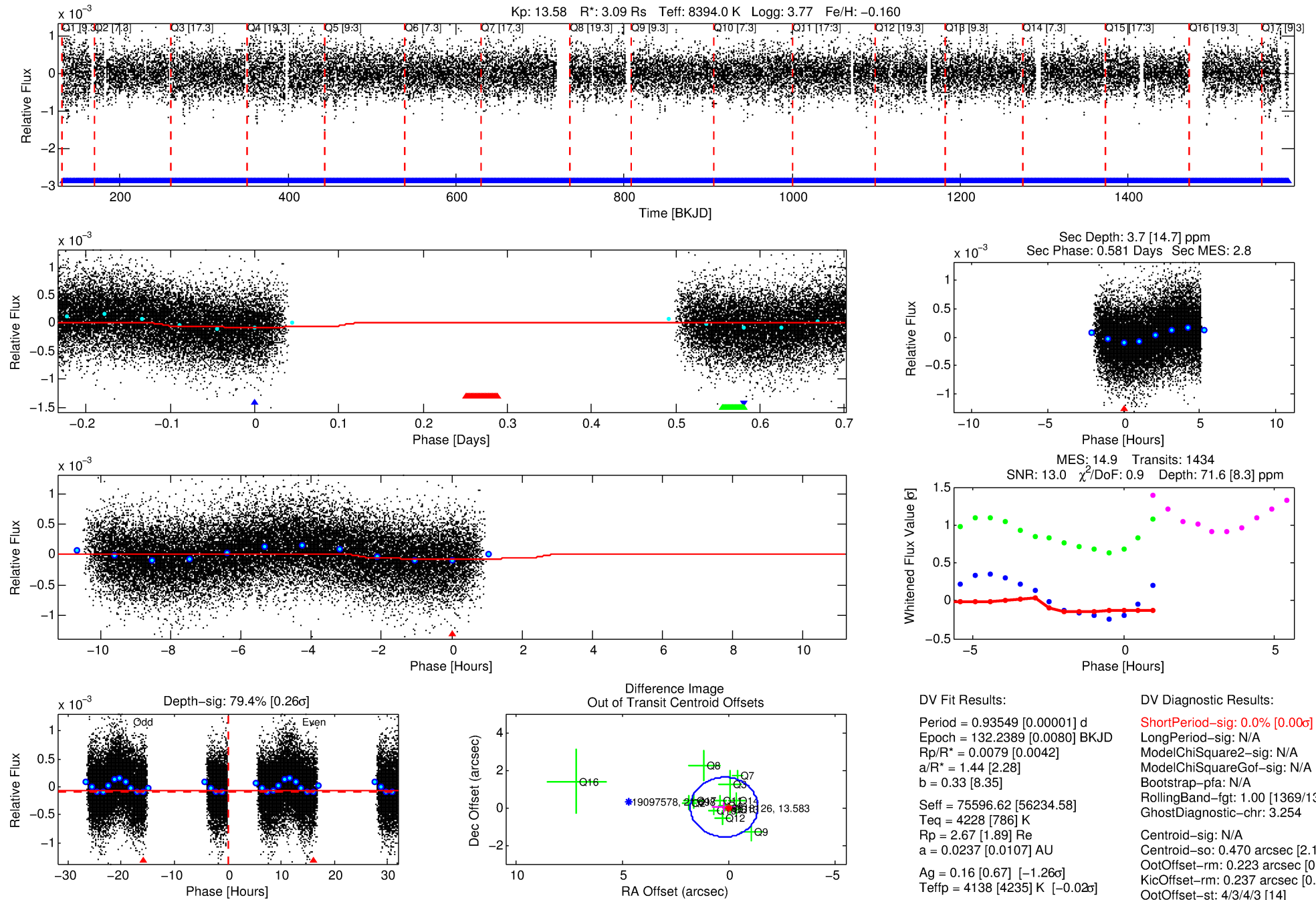
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 005618126-02

No Significant Match Found

DV One-Page Summary

KIC: 5618126 Candidate: 2 of 3 Period: 0.935 d



DV Fit Results:

Period = 0.93549 [0.00001] d
Epoch = 132.2389 [0.0080] BKJD
Rp/R* = 0.0079 [0.0042]
a/R* = 1.44 [2.28]
b = 0.33 [8.35]
Seff = 75596.62 [56234.58]
Teq = 4228 [786] K
Rp = 2.67 [1.89] Re
a = 0.0237 [0.0107] AU
Ag = 0.16 [0.67] [-1.26 σ]
Teffp = 4138 [4235] K [-0.02 σ]

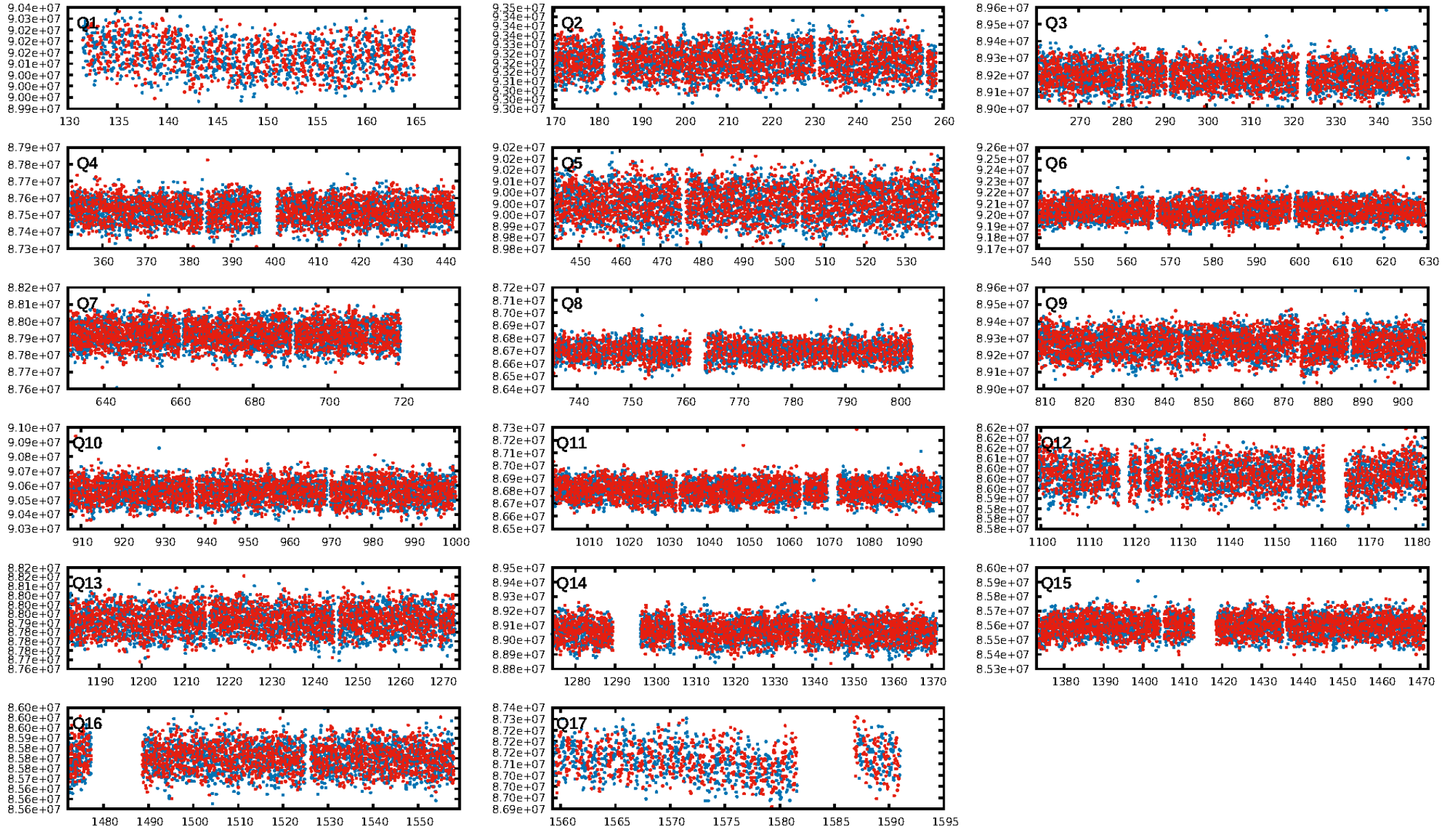
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 1.00 [1369/1369]
GhostDiagnostic-chr: 3.254
Centroid-sig: N/A
Centroid-so: 0.470 arcsec [2.10 σ]
OotOffset-rm: 0.223 arcsec [0.42 σ]
KicOffset-rm: 0.237 arcsec [0.48 σ]
OotOffset-st: 4/3/4/3 [14]
KicOffset-st: 4/3/4/3 [14]
DiffImageQuality-fgm: 0.79 [11/14]
DiffImageOverlap-fno: 0.00 [0/17]

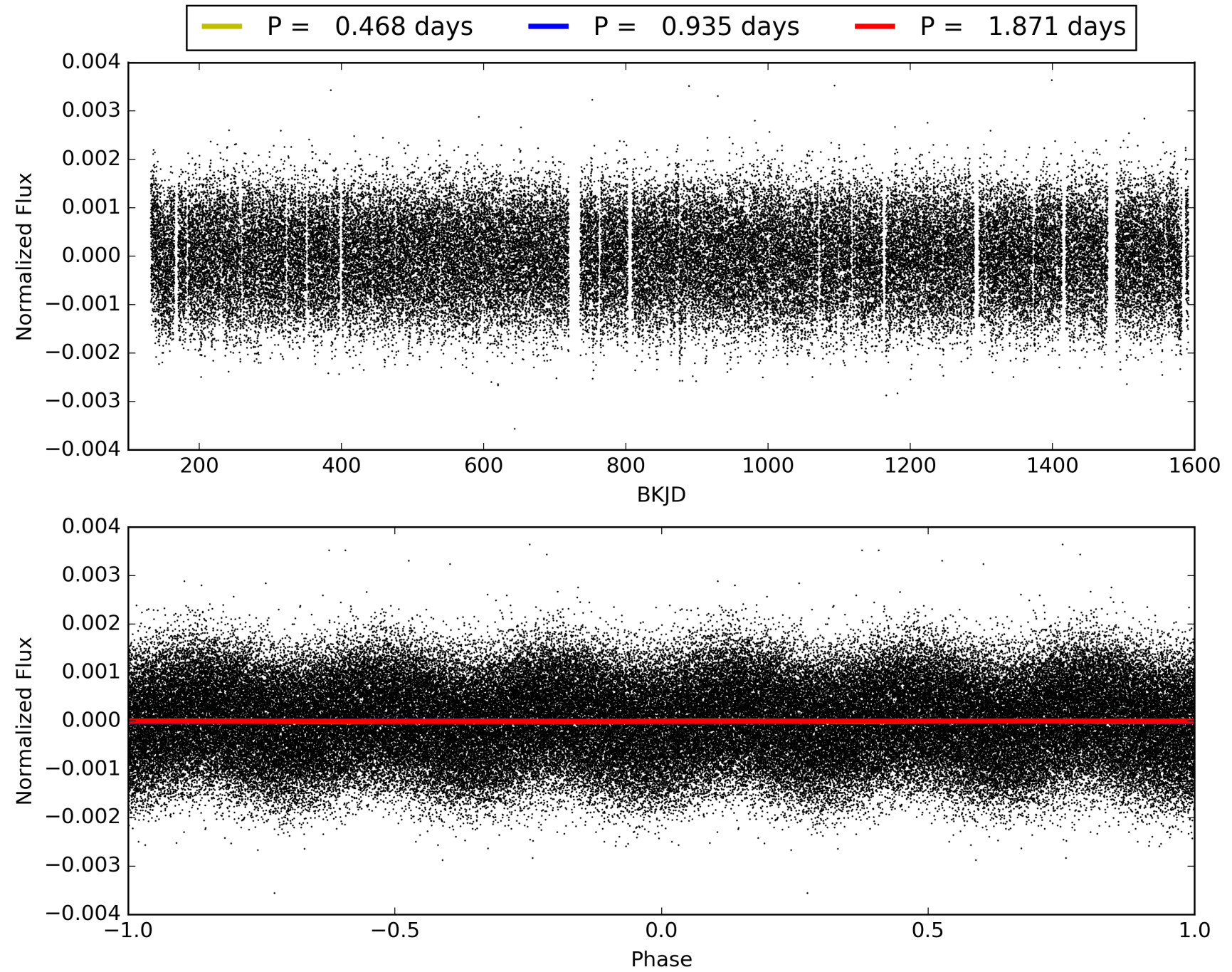
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:06:10 Z

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

TCE 005618126-02, PDC Light Curves

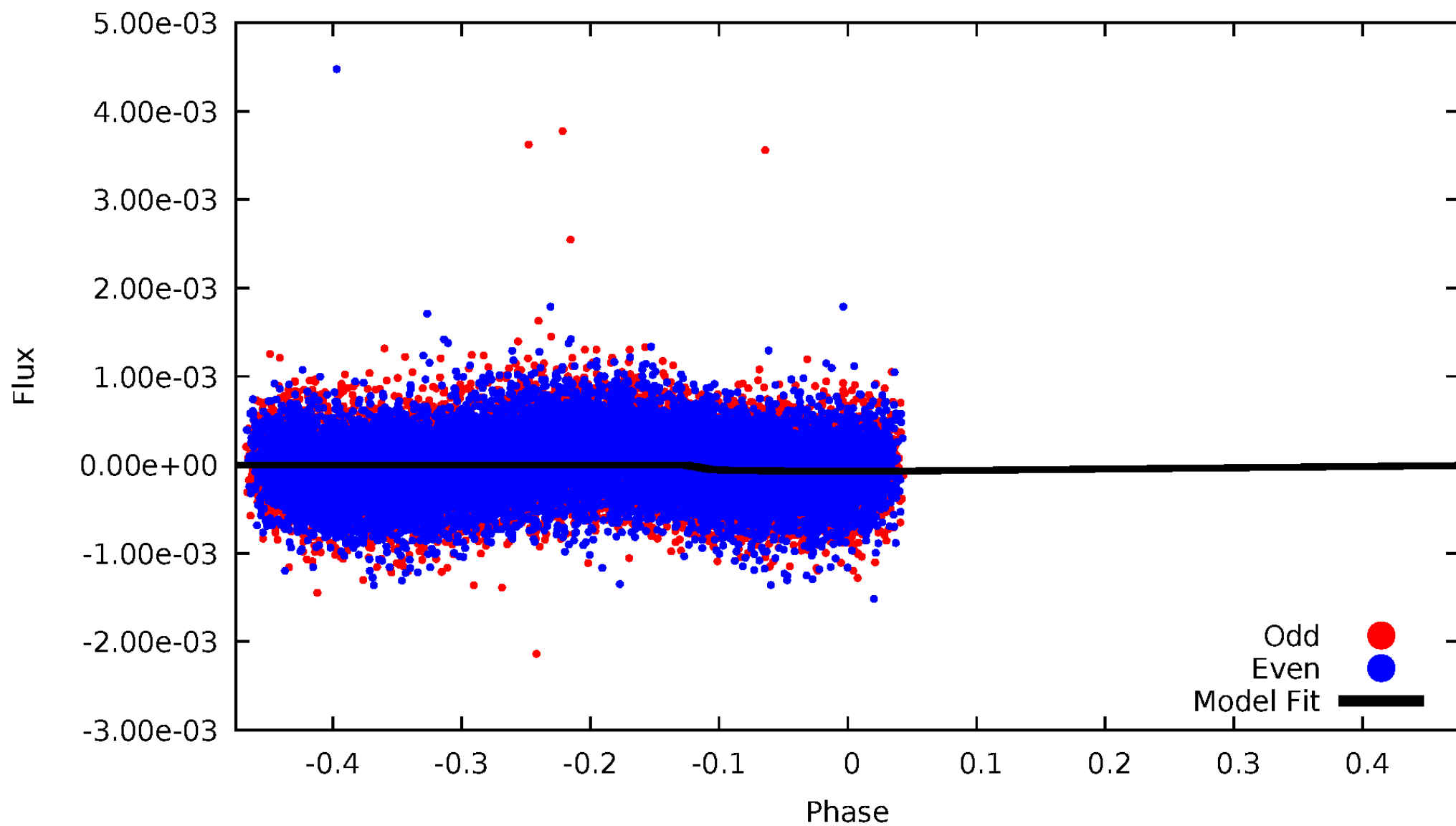


TCE 005618126-02



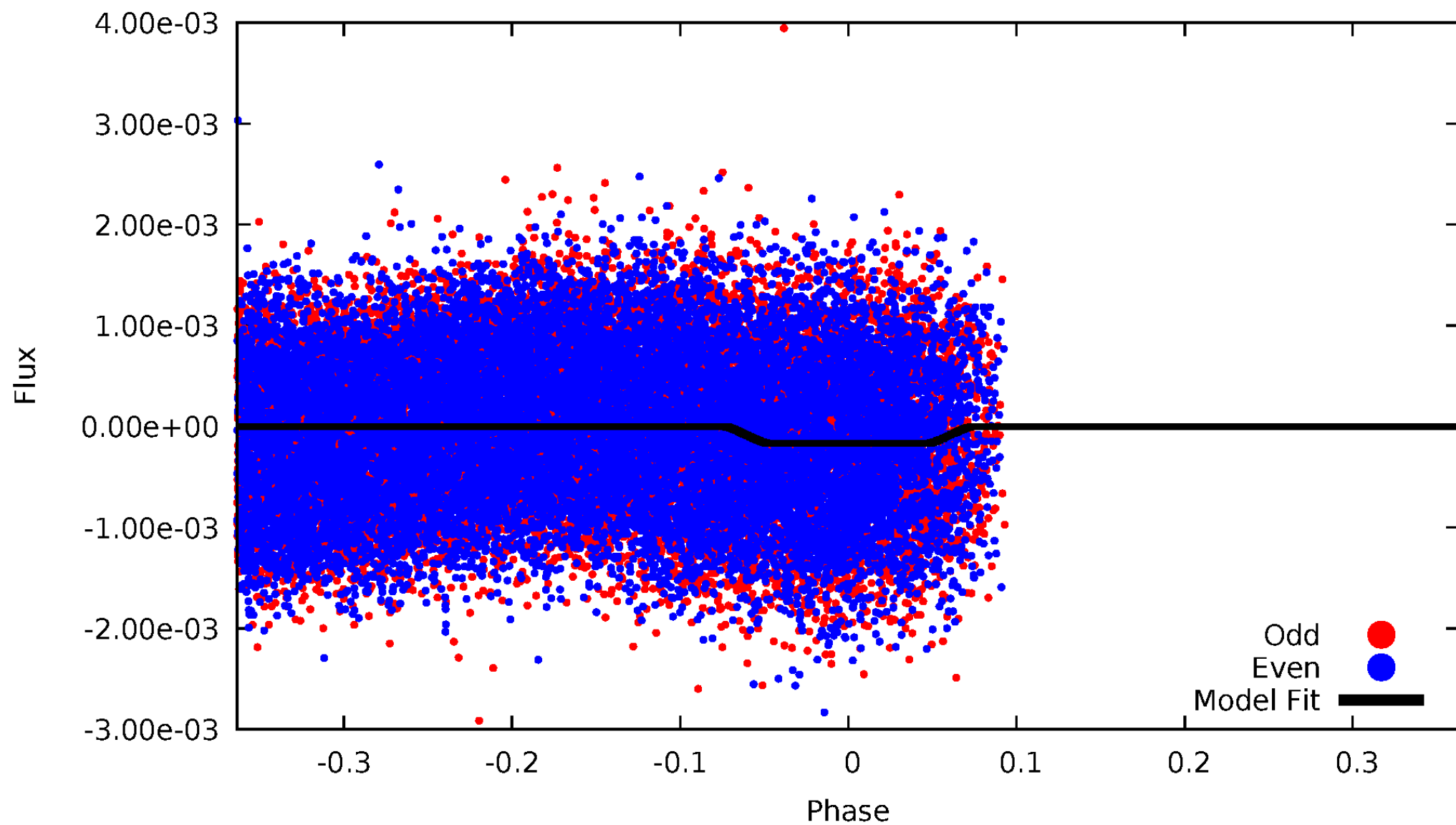
DV Odd/Even

TCE 005618126-02



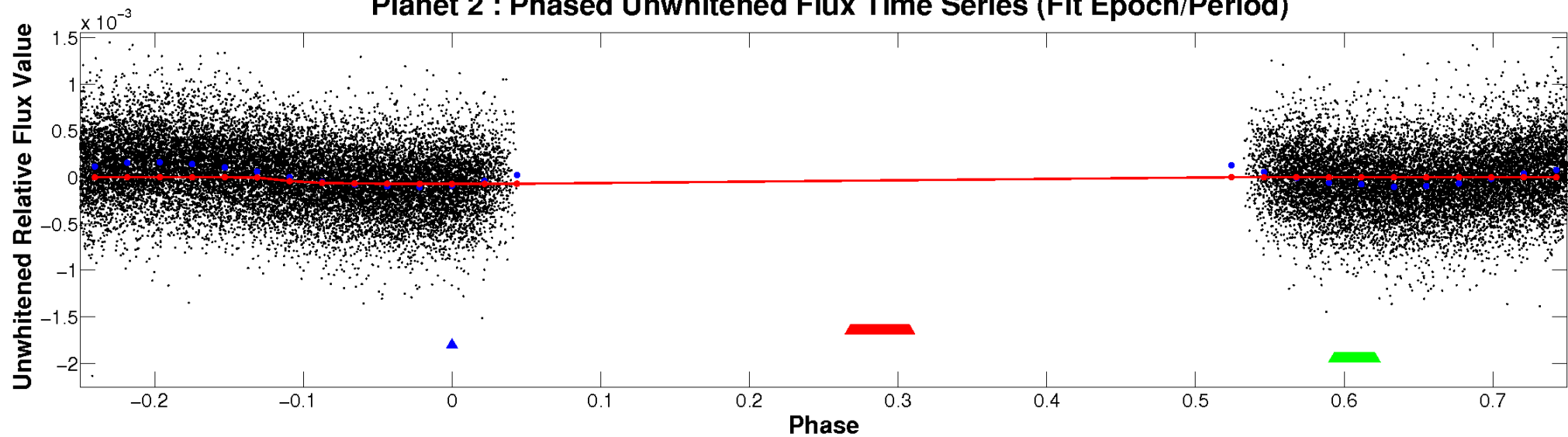
ALT Odd/Even

TCE 005618126-02

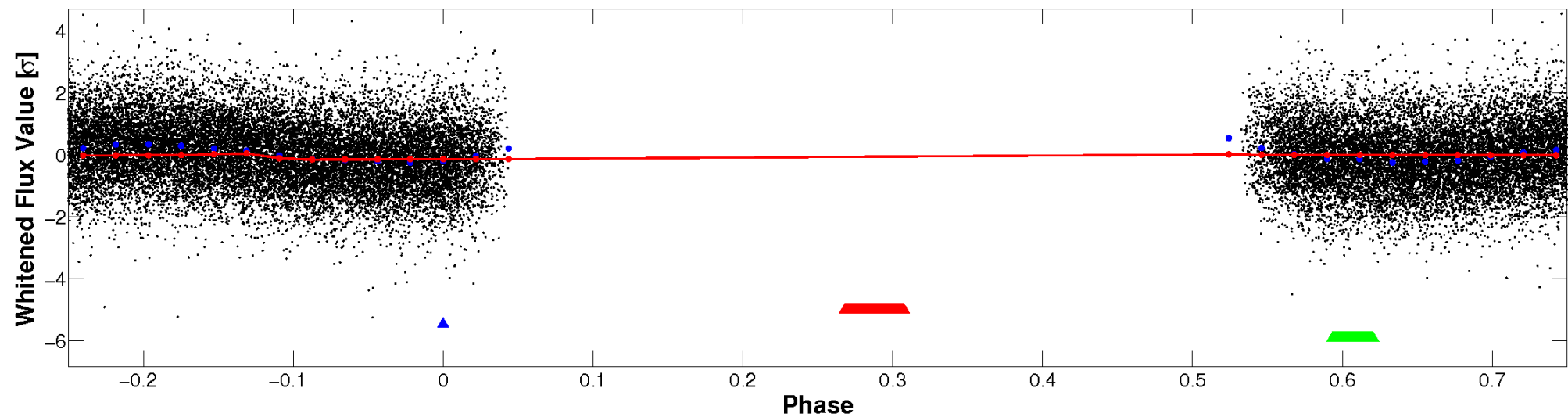


Non-Whitened Vs. Whitened Light Curve

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

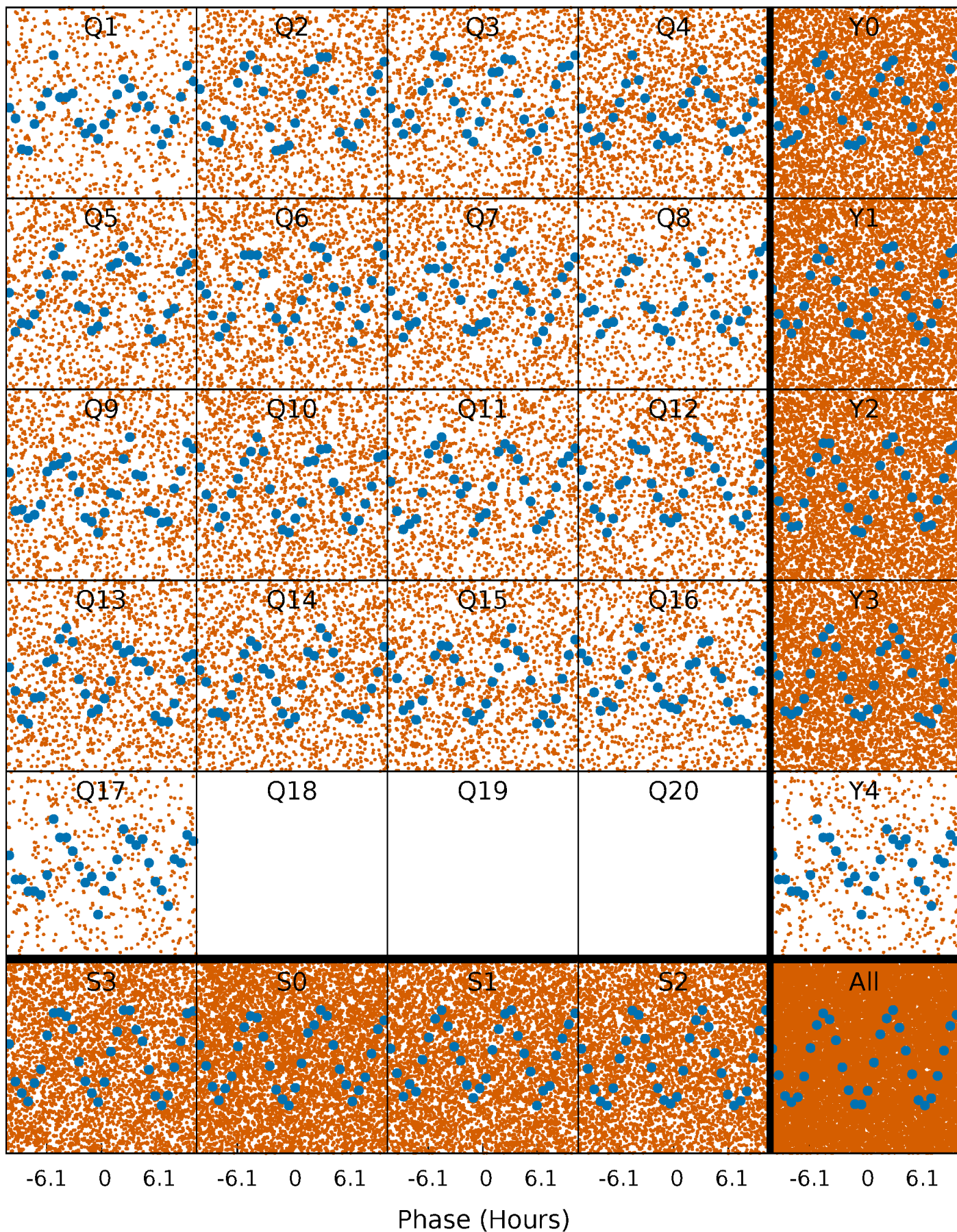


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



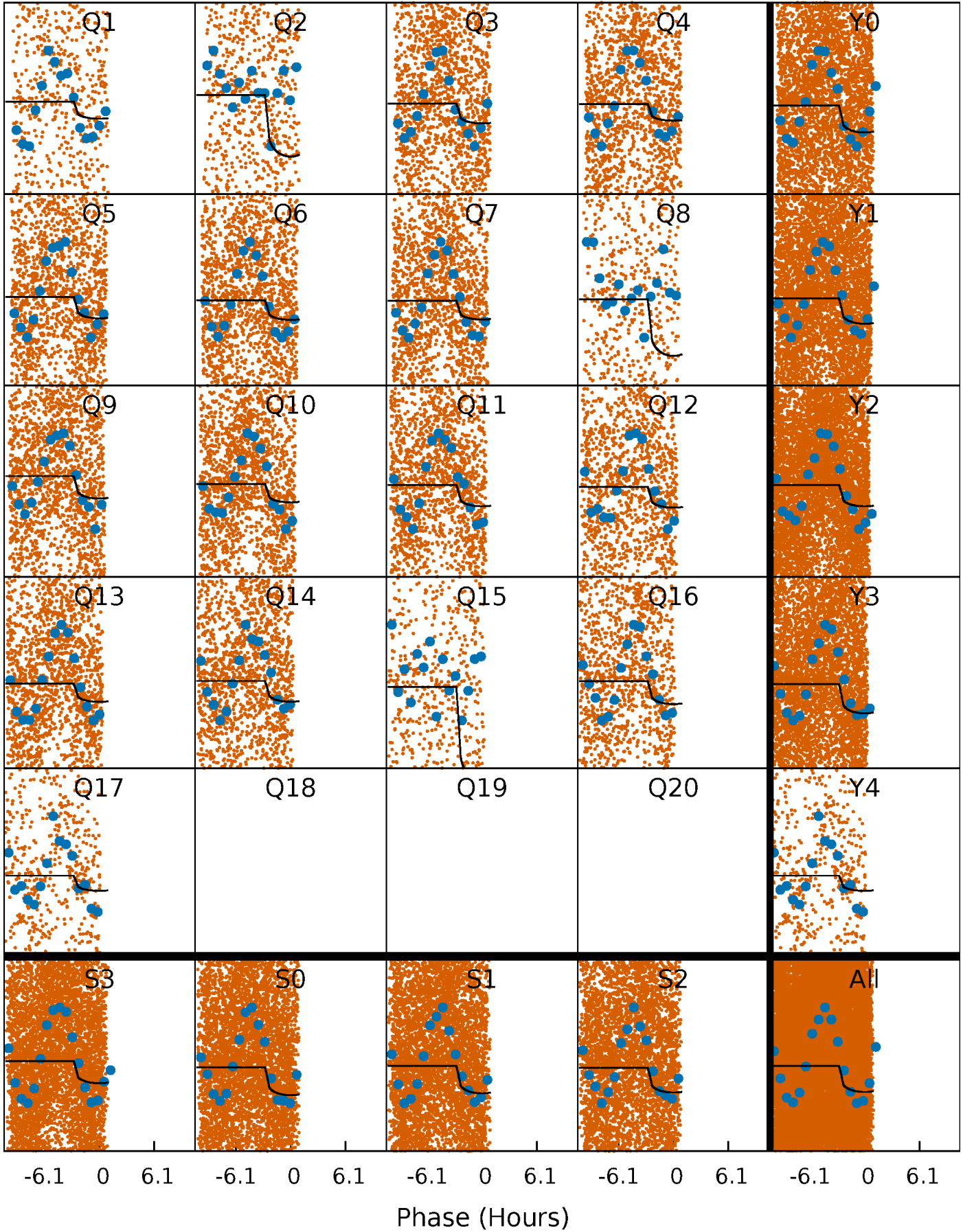
PDC Quarter-Phased Transit Curves

TCE 005618126-02 P= 0.935491 Days $T_0=132.238854$ (BKJD)



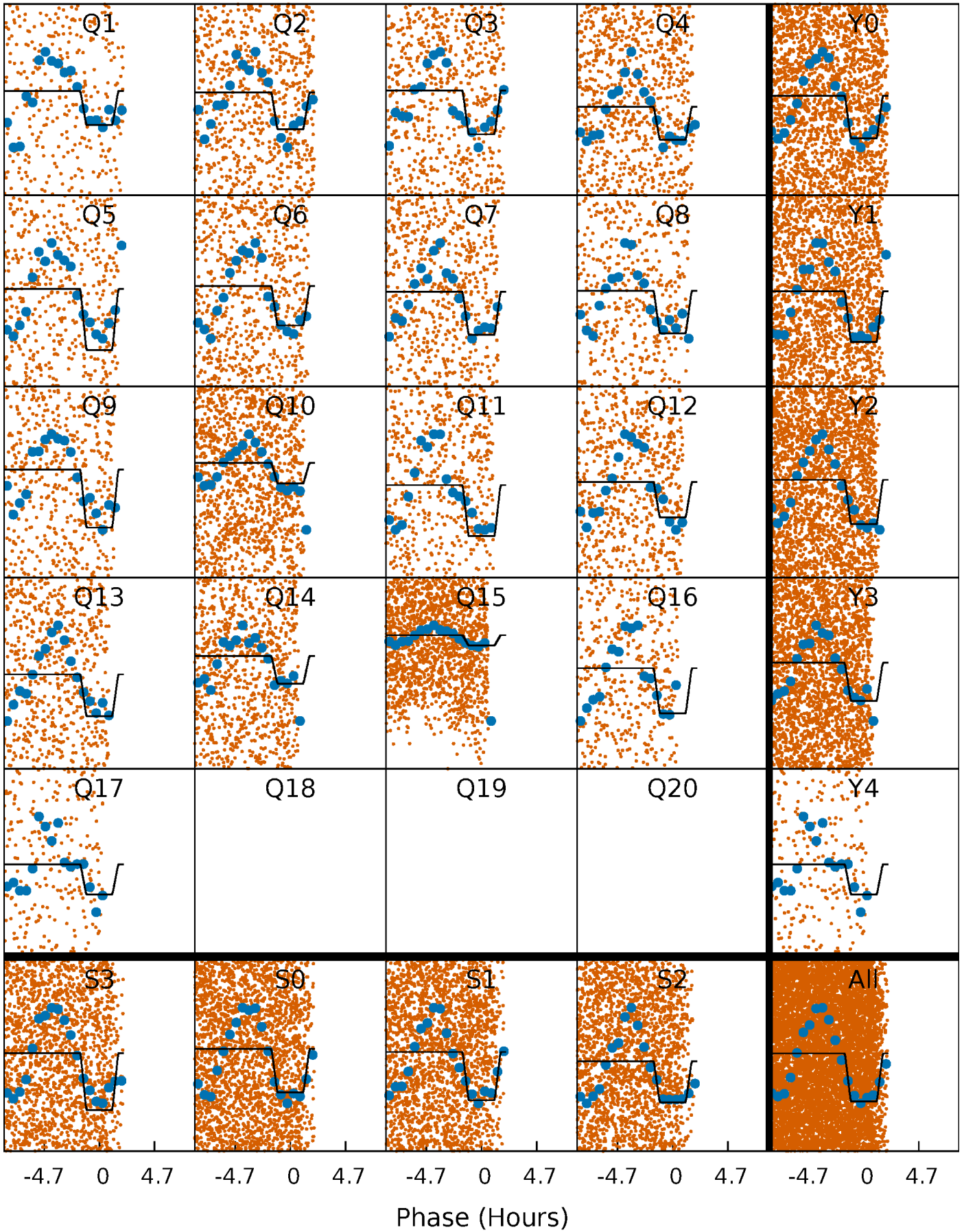
DV Quarter-Phased Transit Curves

TCE 005618126-02 P= 0.935491 Days $T_0=132.238854$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

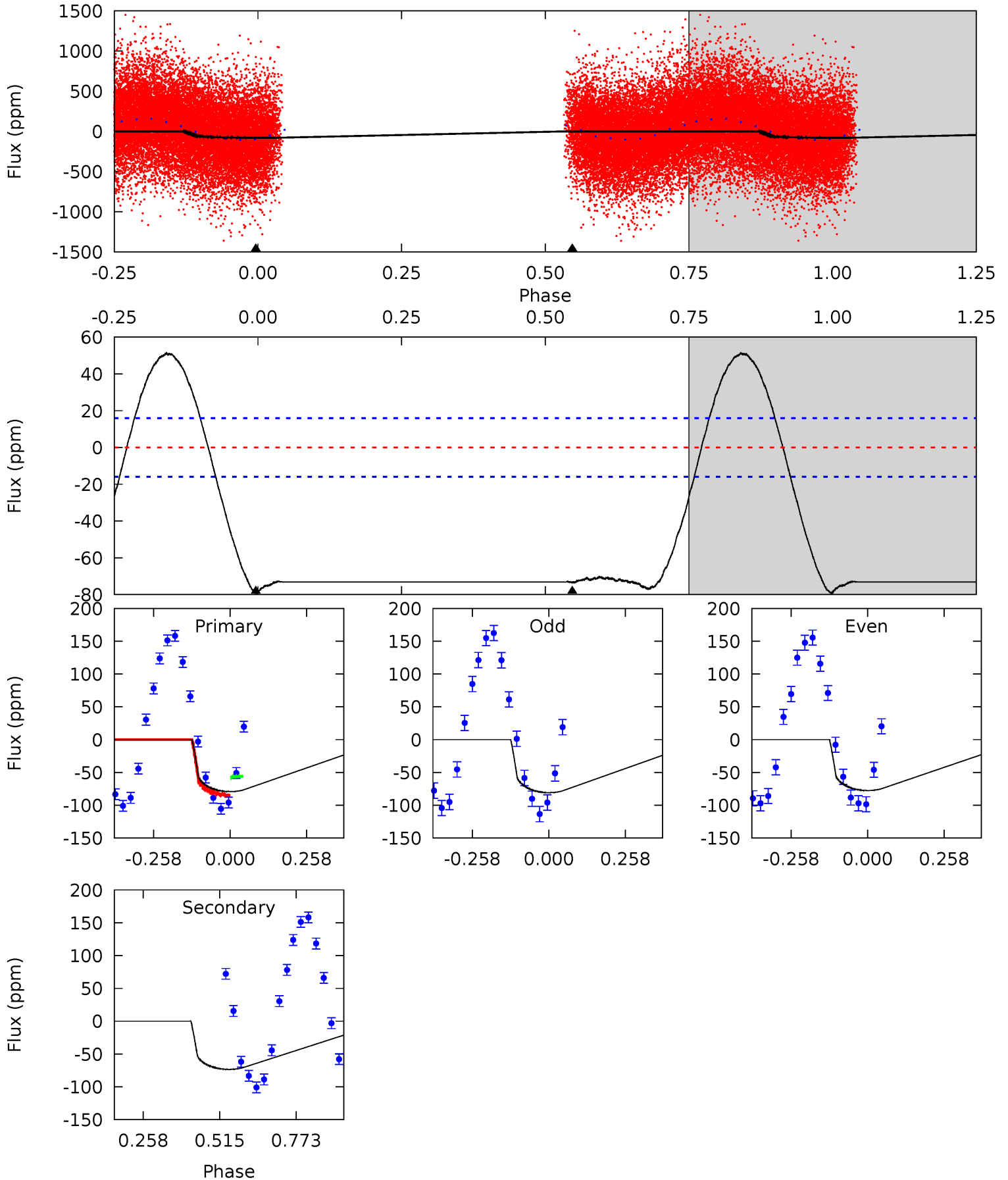
TCE 005618126-02 P= 0.935514 Days $T_0=132.191716$ (BKJD)



DV Model-Shift Uniqueness Test

005618126-02, P = 0.935491 Days, E = 131.303363 Days

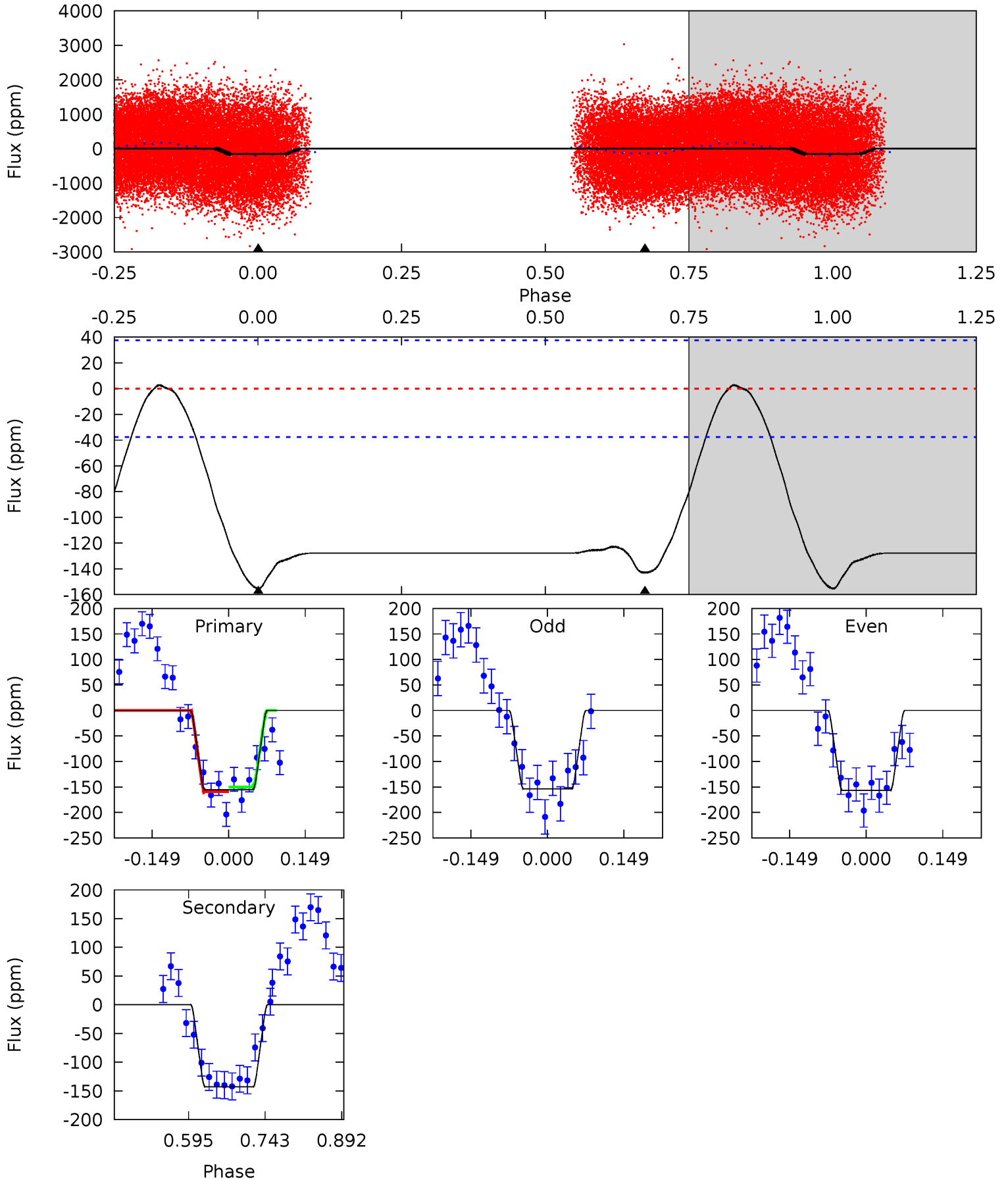
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.7	20.1	0	0	4.36	1.13	4.71	21.7	21.7	20.1	20.1	0.45	1.09	0.39	2.98



Alt Model-Shift Uniqueness Test

005618126-02, P = 0.935514 Days, E = 131.256202 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
18.5	17.0	0	0	4.48	1.44	0.28	18.5	18.5	17.0	17.0	0.16	1.07	0.02	0.56



Stellar Parameters For KIC 005618126

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8394^{+203}_{-377}	$3.765^{+0.424}_{-0.106}$	$-0.160^{+0.250}_{-0.350}$	$3.088^{+0.778}_{-1.446}$	$2.024^{+0.320}_{-0.481}$	$0.097^{+0.377}_{-0.034}$
	+2%/-4%	+11%/-3%	+156%/-219%	+25%/-47%	+16%/-24%	+389%/-35%
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 005618126-02 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-74 ± 4	$2.41^{+1.54}_{-1.21}$	5666^{+431}_{-694}	8399^{+6250}_{-2055}	$3.891^{+11.813}_{-2.417}$
Alt.	-143 ± 8	$3.78^{+1.88}_{-1.29}$	5682^{+466}_{-652}	7702^{+2355}_{-1385}	$3.057^{+3.888}_{-1.666}$

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

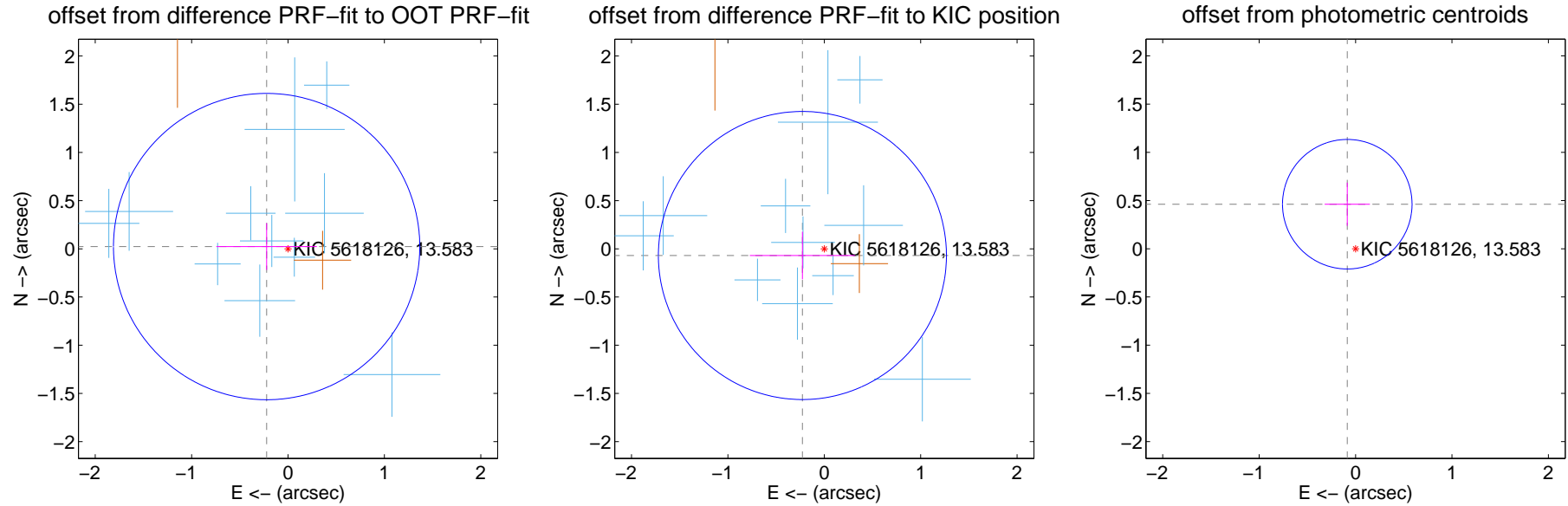
DV Centroid Data

Supplemental centroid analysis for 005618126-02. Kepler magnitude: 13.58. Transit SNR 12.96

There are 11 quarters with good PRF difference image offsets

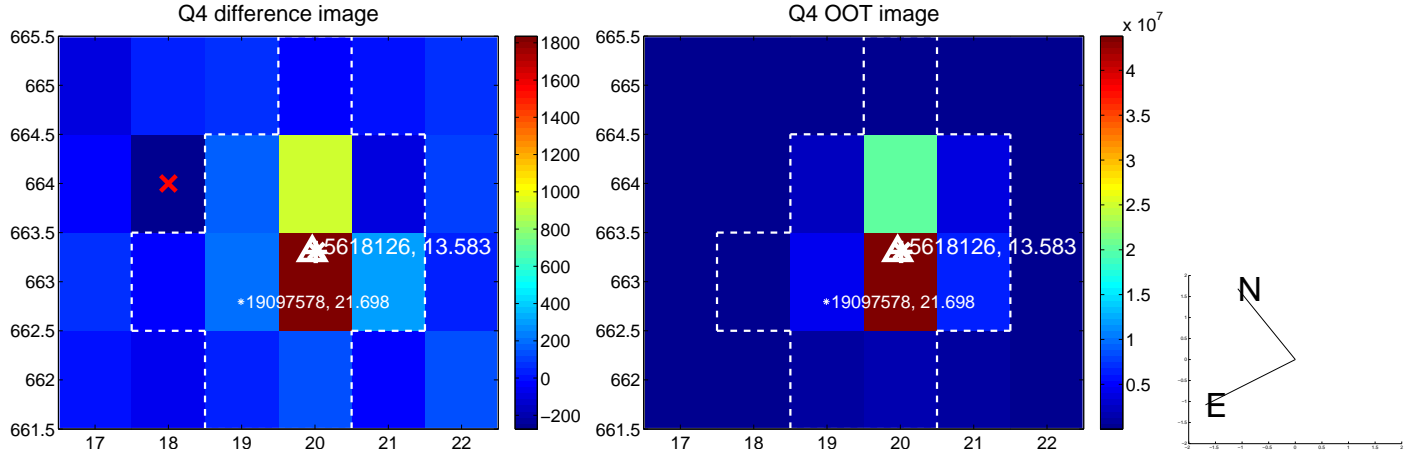
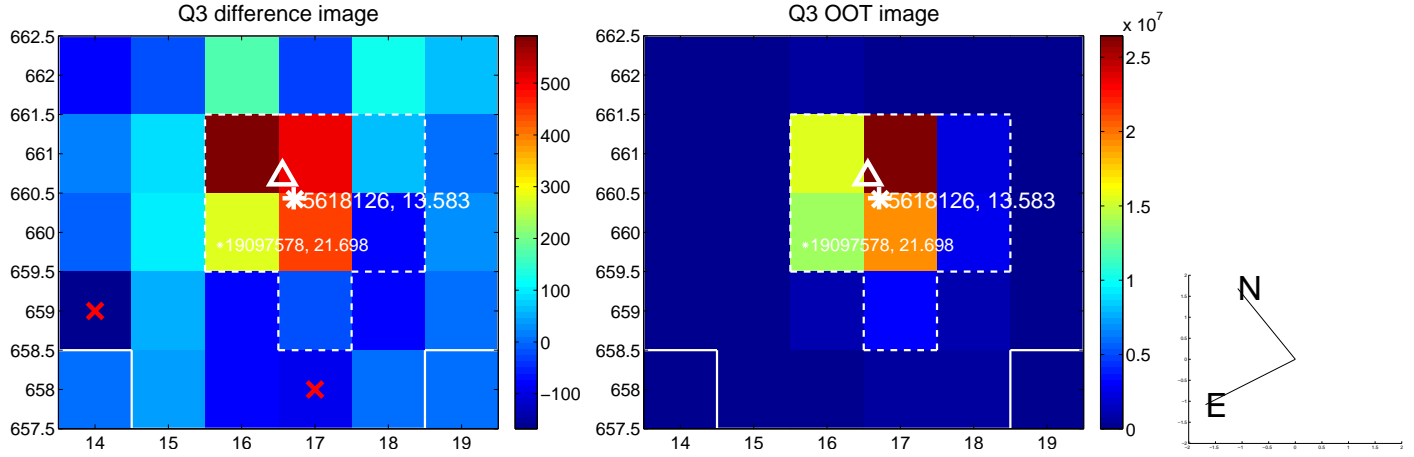
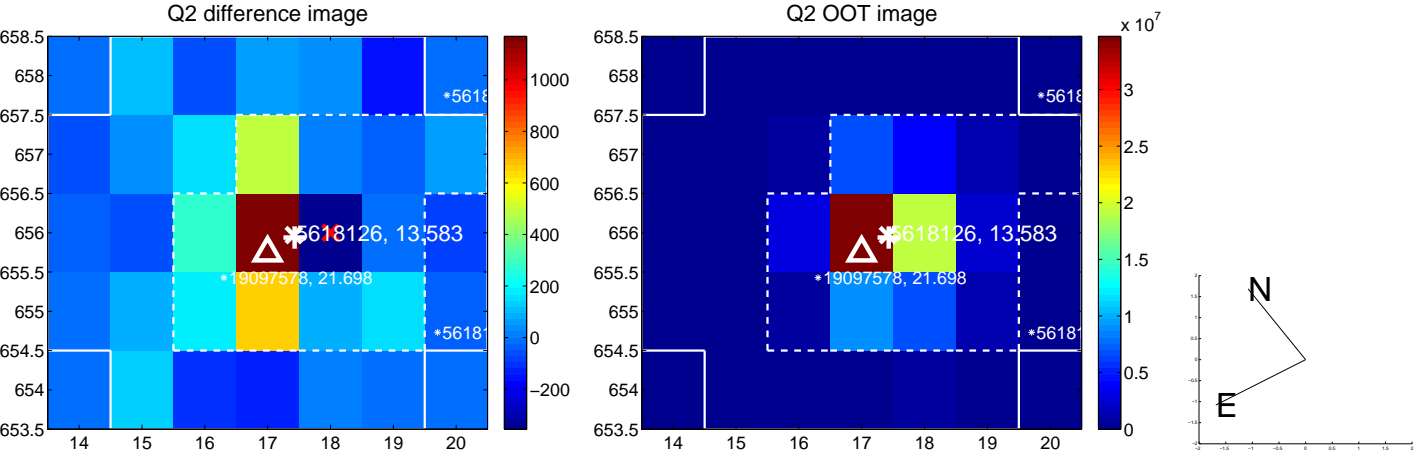
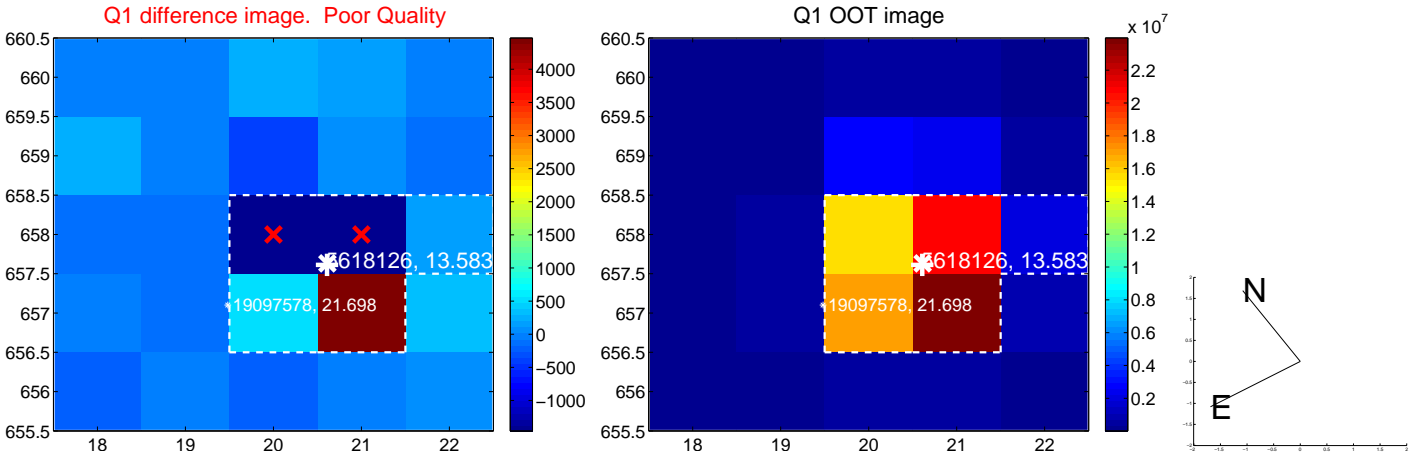
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.223 ± 0.530	0.42	0.222 ± 0.521	0.023 ± 0.242
PRF-fit source offset from KIC position	0.237 ± 0.498	0.48	0.227 ± 0.545	-0.069 ± 0.247
photometric centroid source offset	0.47 ± 0.22	2.10	0.09 ± 0.23	0.46 ± 0.22

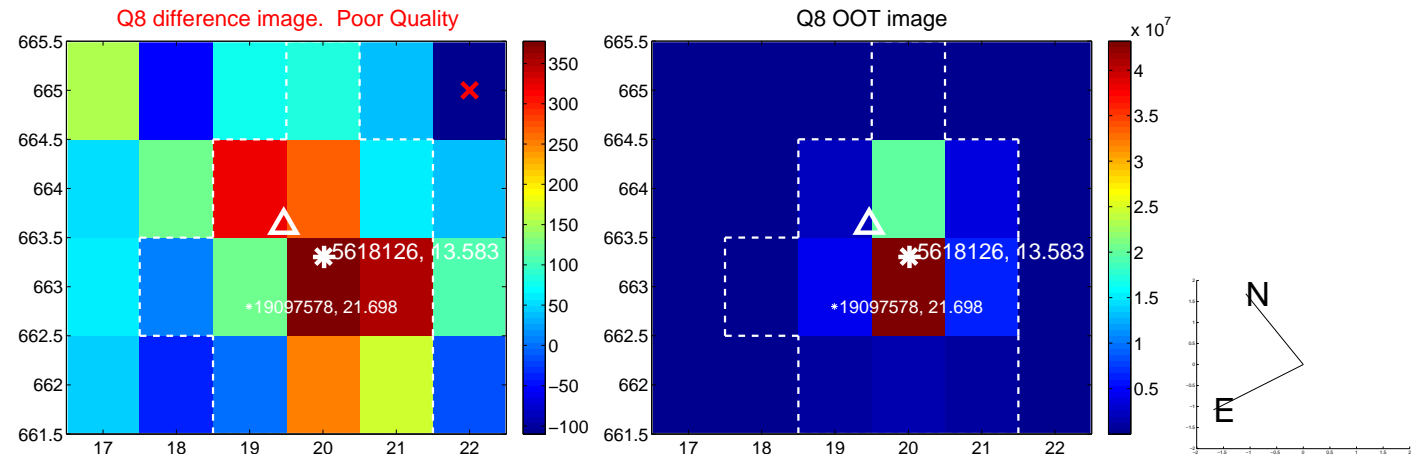
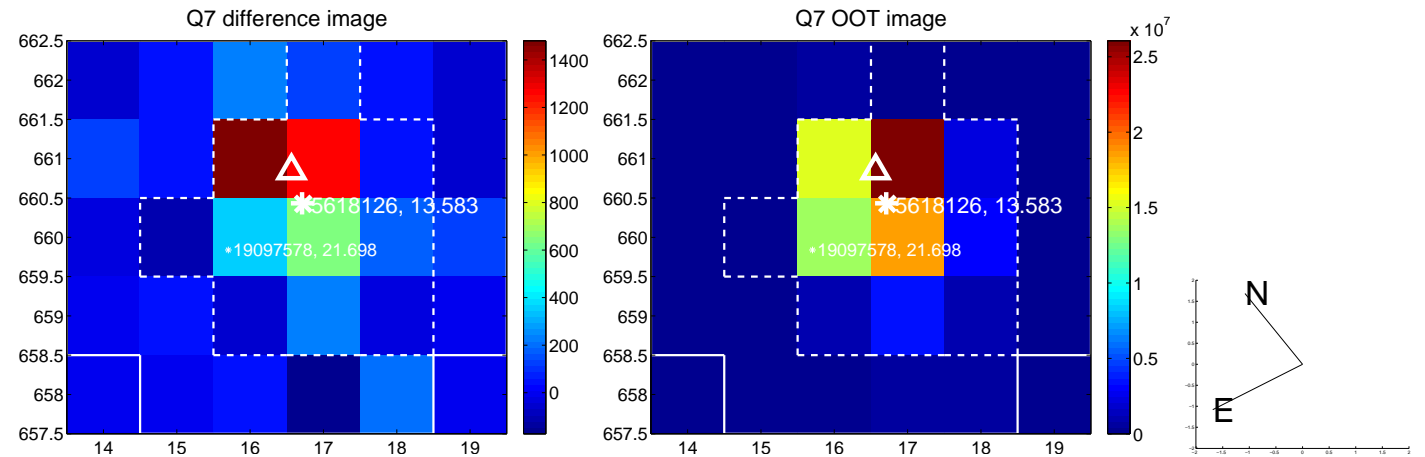
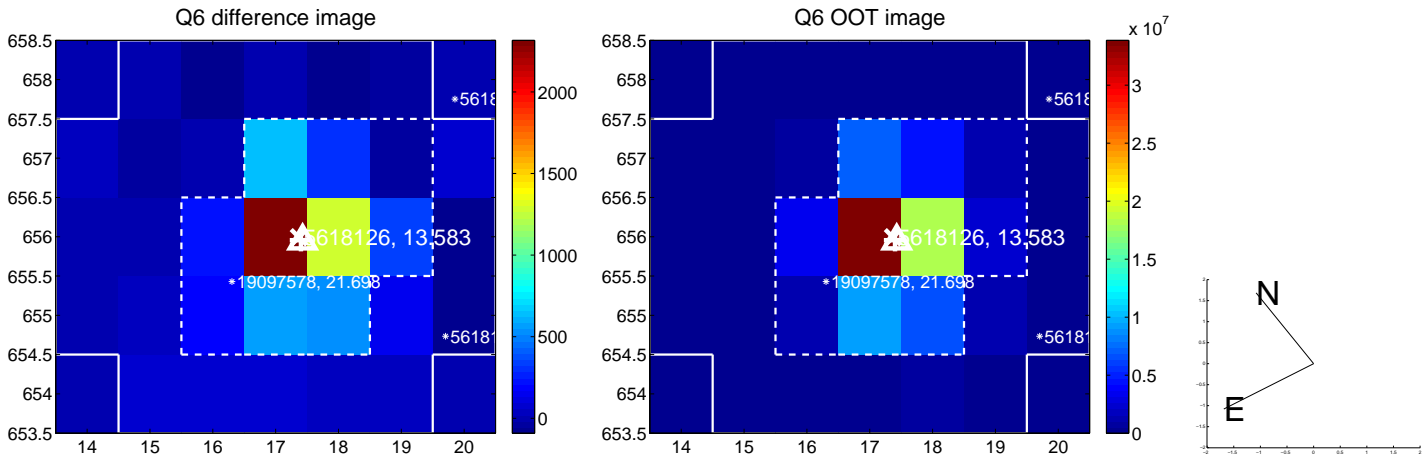
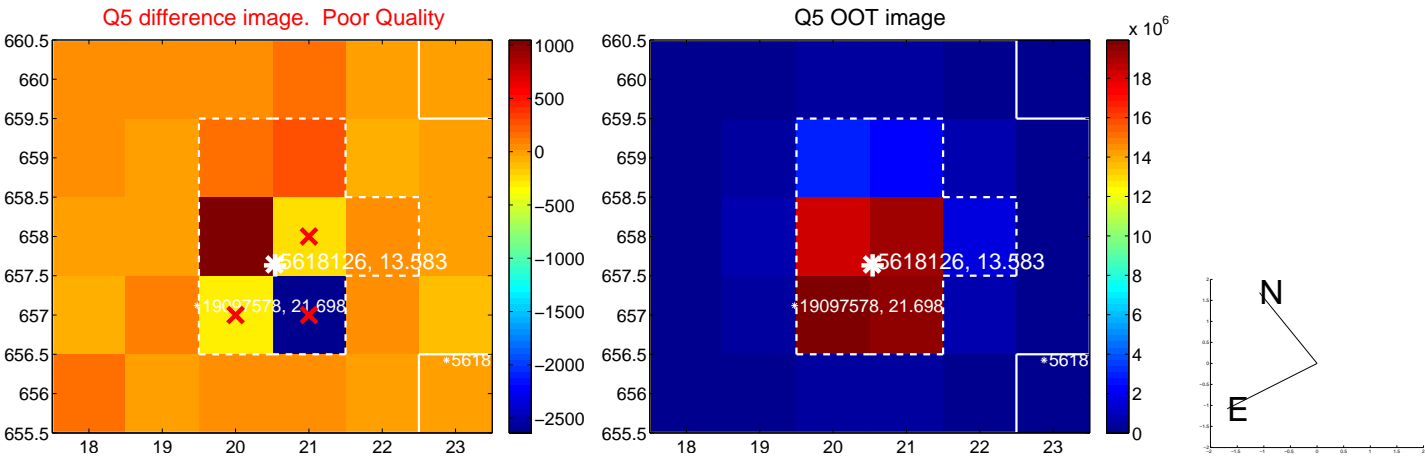


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

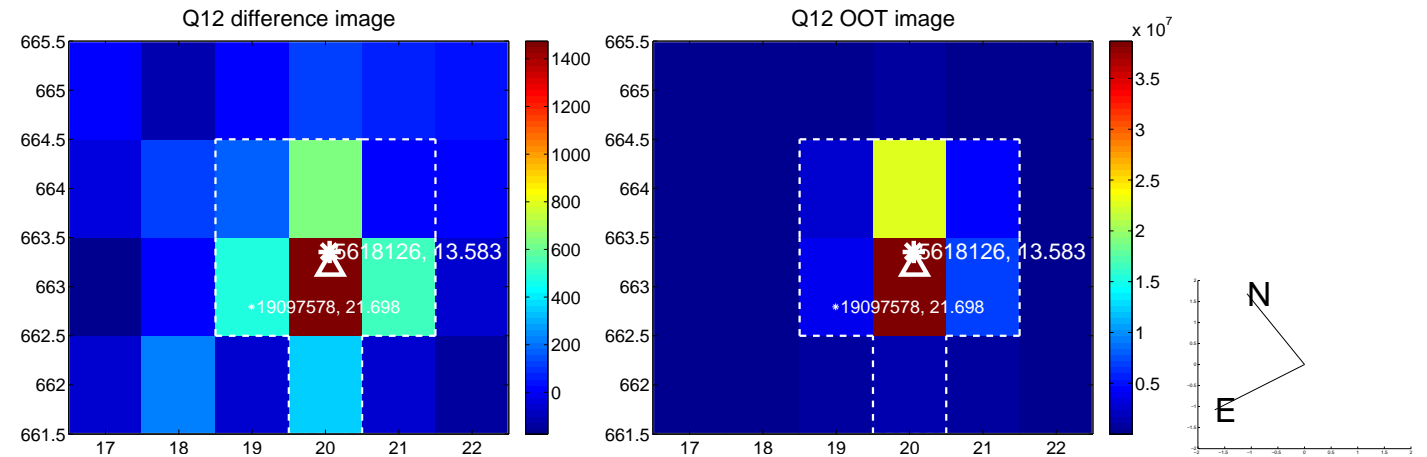
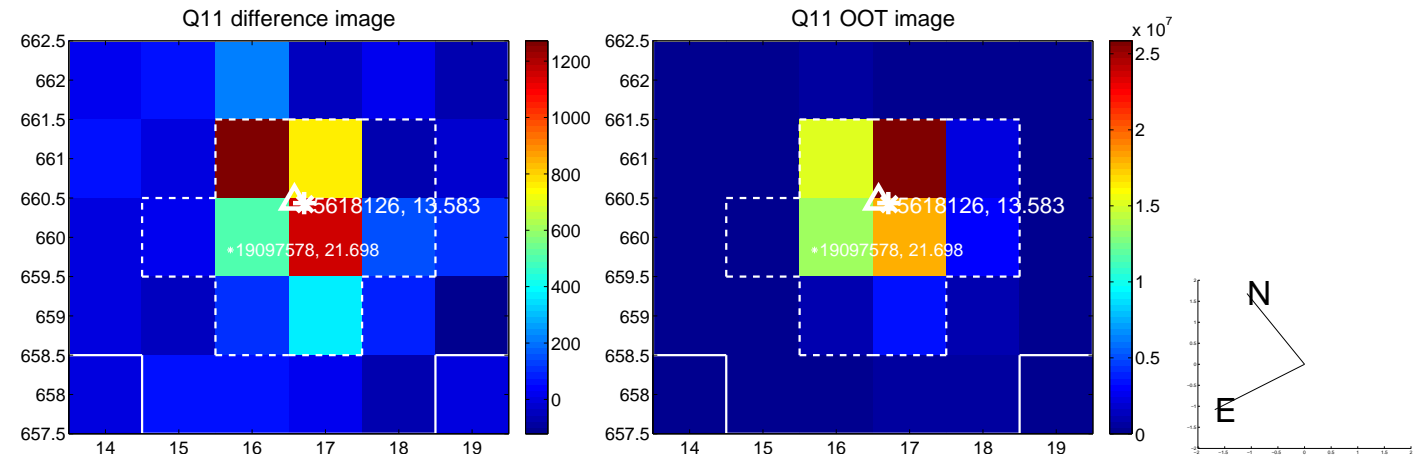
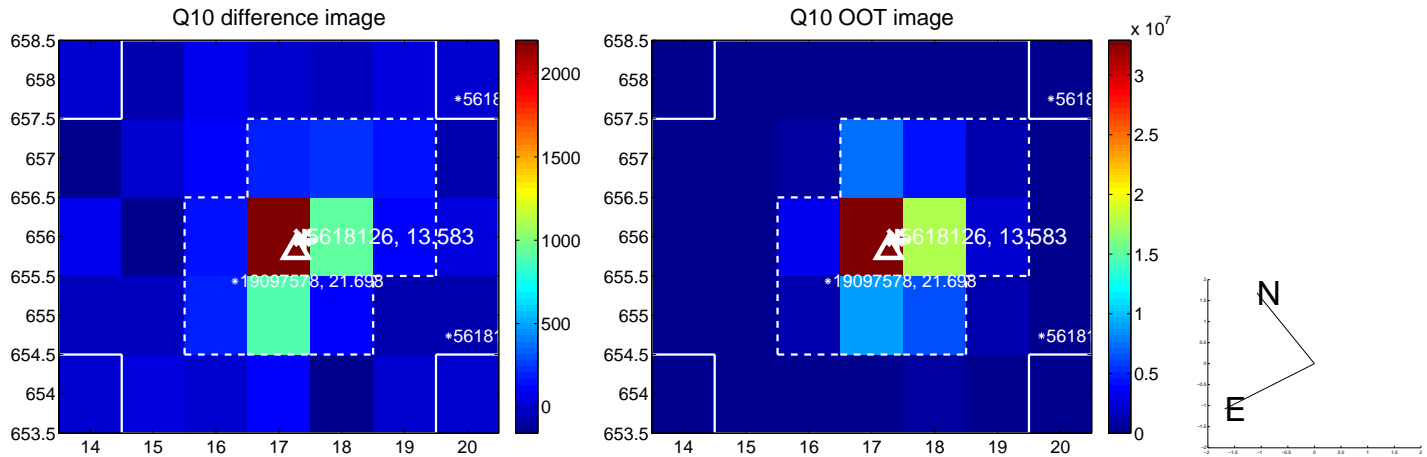
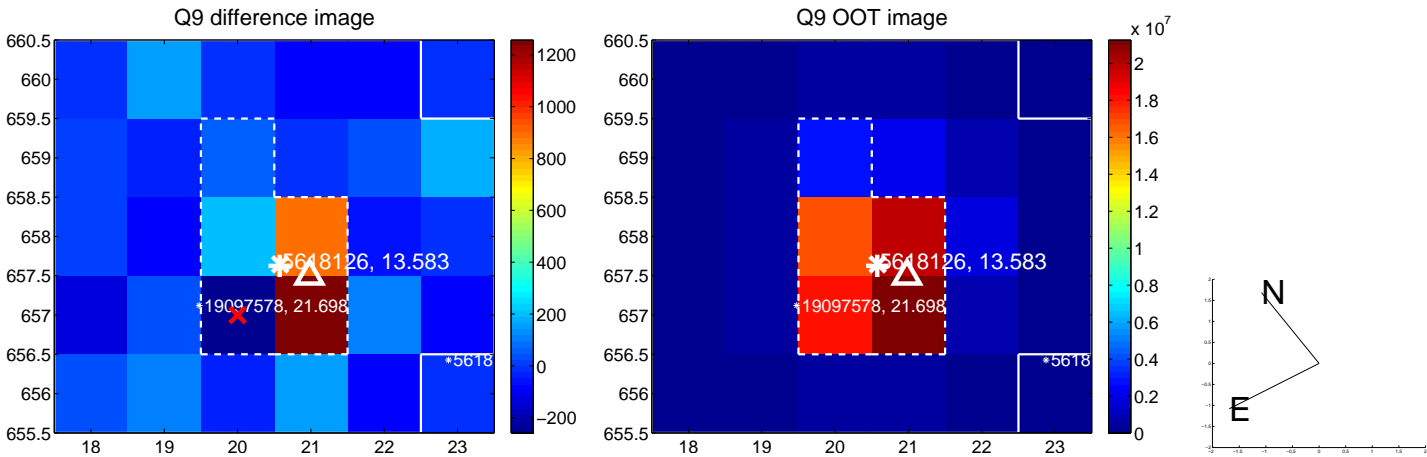
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



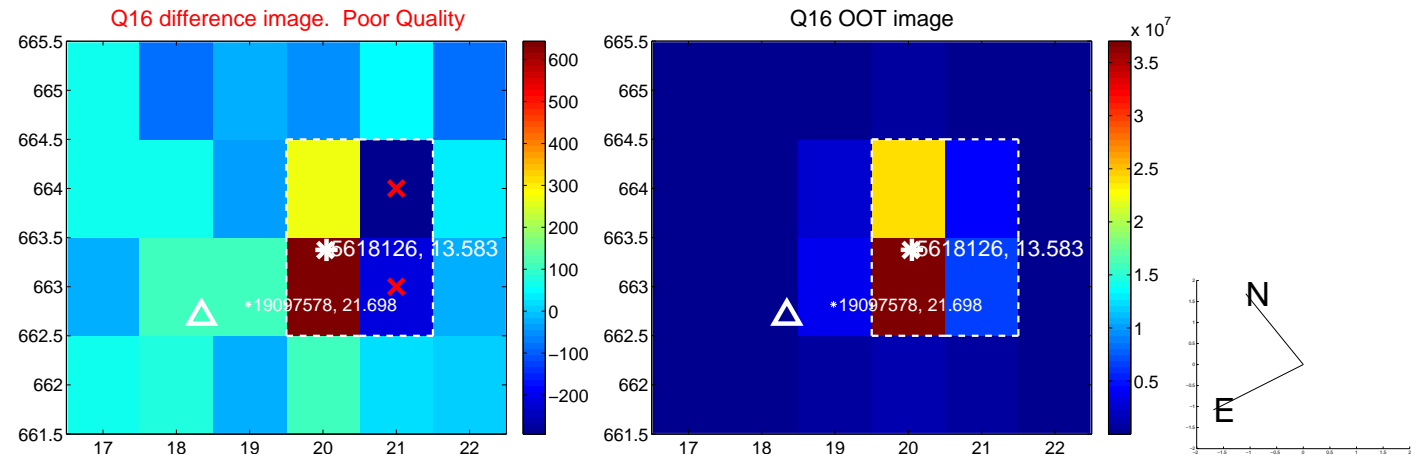
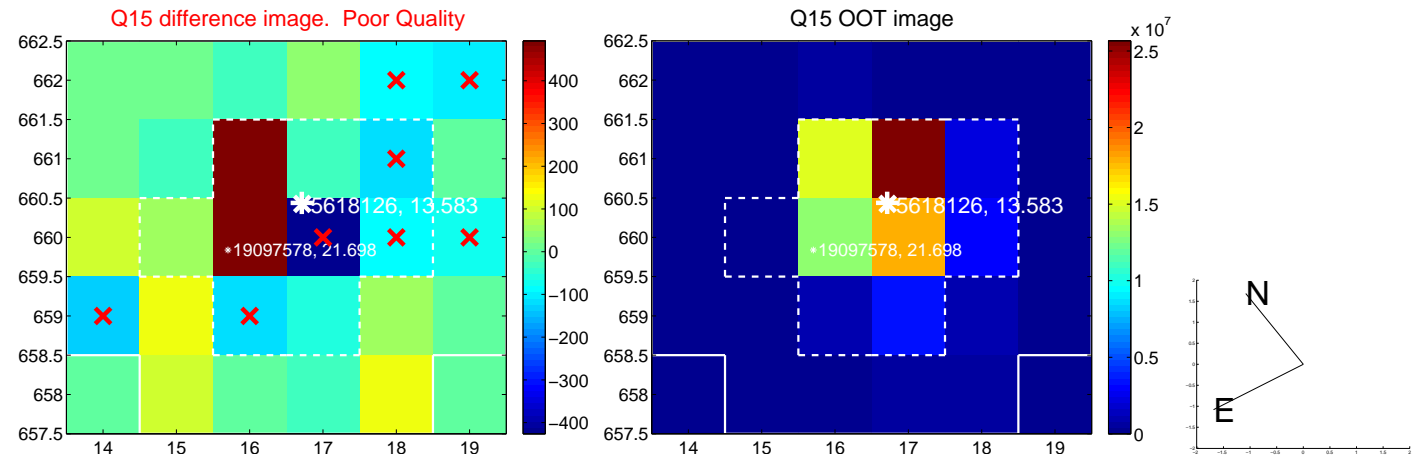
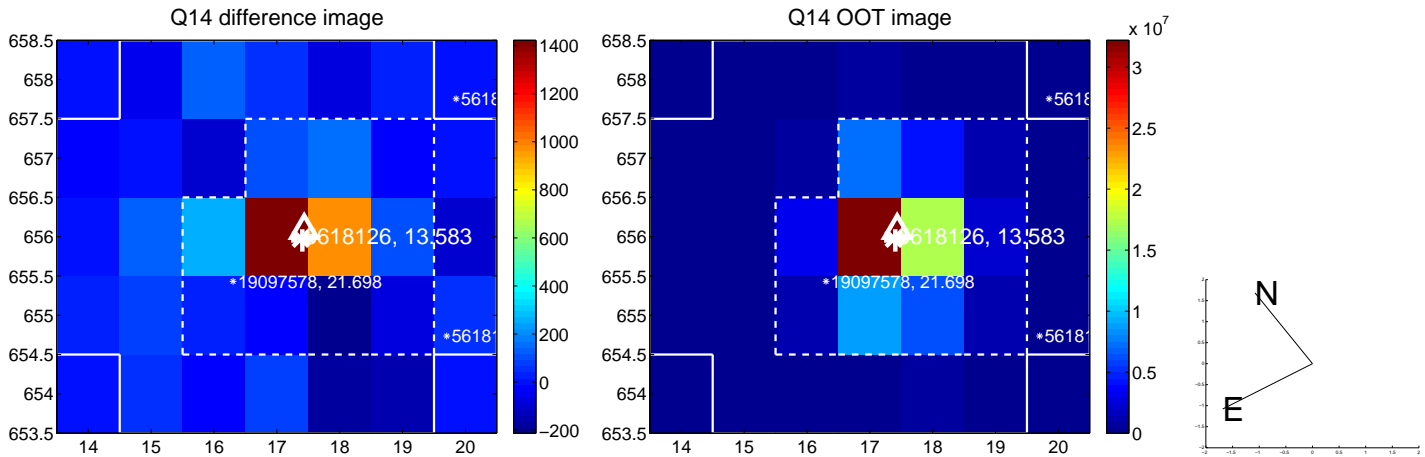
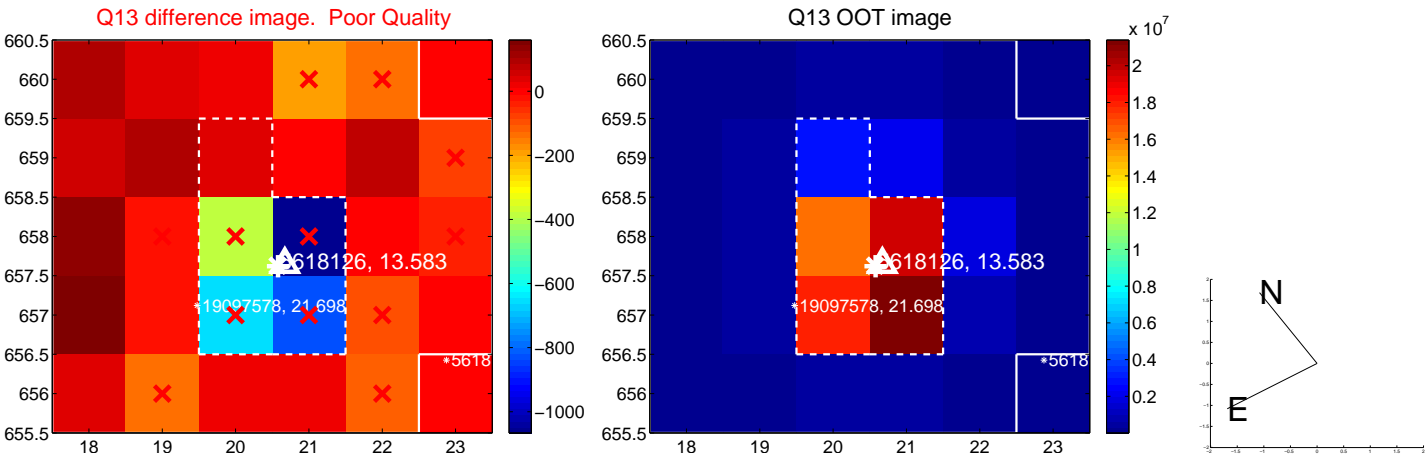
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



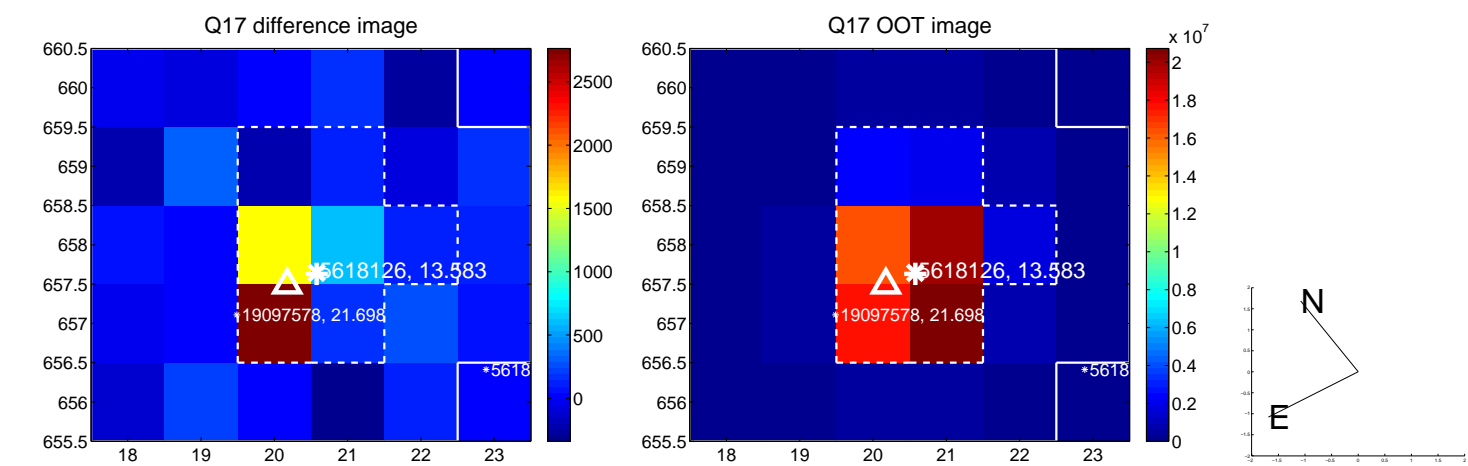
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



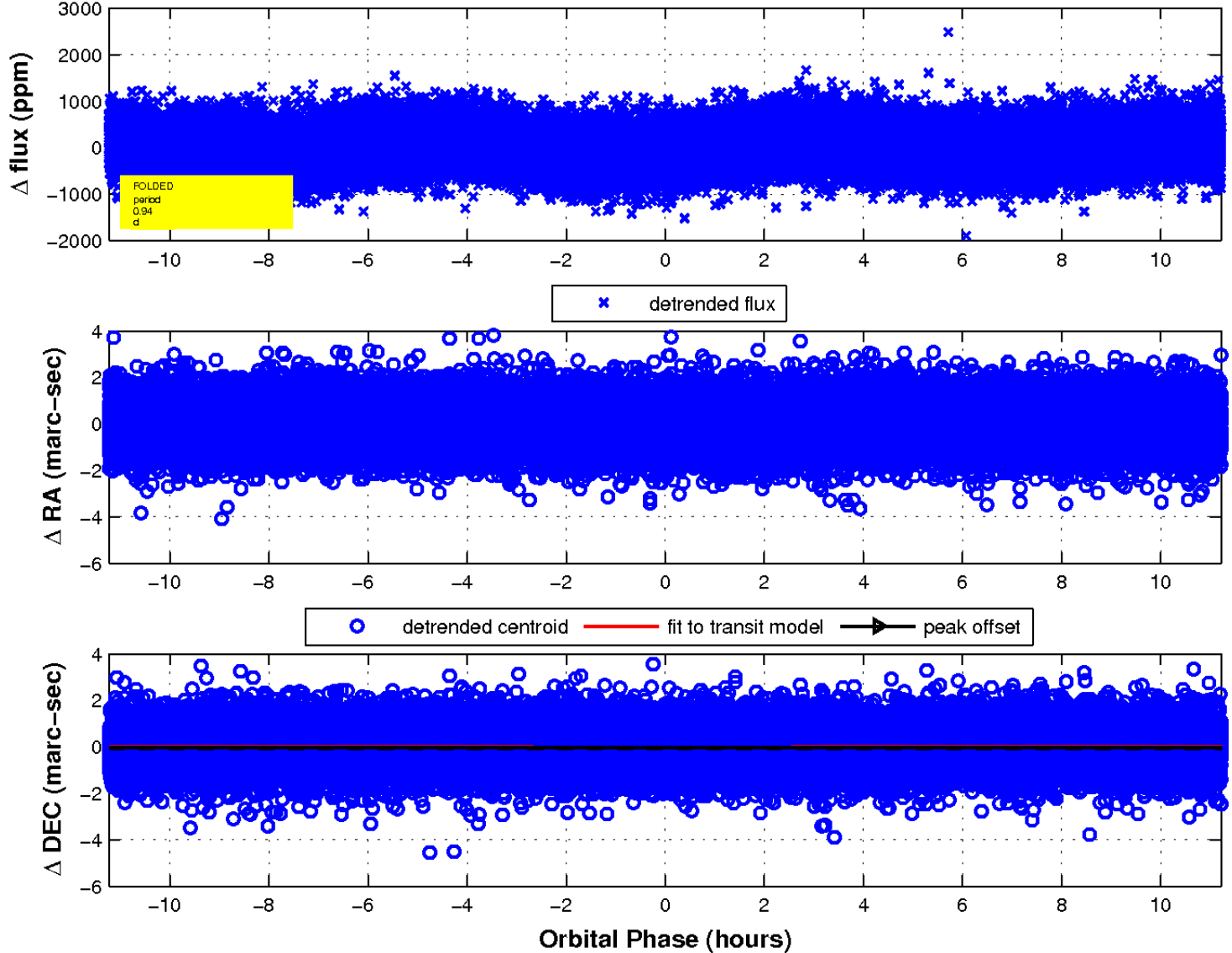
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

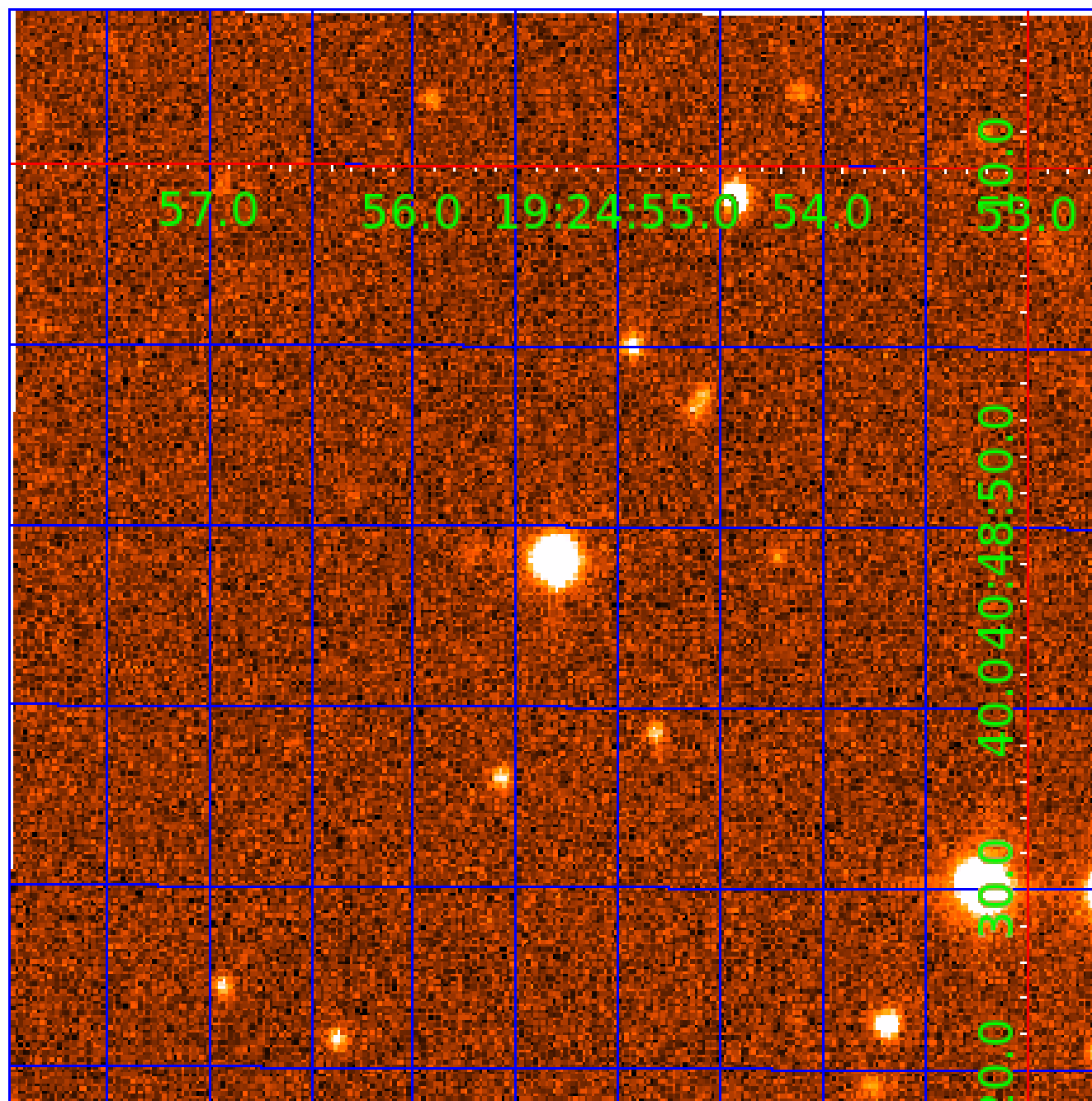


fluxWeightedCentroids, Planet 2 of 3



UKIRT Image

Declination



KIC 005618126

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})
005618126-01	OBS	No	0.935467	131.591116	68.5	3.786	13.8	12.9	3.09	8394	2.98	75599.18
005618126-02	OBS	No	0.935491	132.238854	71.6	5.333	14.9	13.0	3.09	8394	2.67	75596.62
005618126-03	OBS	No	0.935474	131.883975	76.7	1.729	16.0	18.4	3.09	8394	2.91	75598.39

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005618126-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
005618126-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—LPP_ALT—SAME_NTL_PERIOD
005618126-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—SAME_NTL_PERIOD

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

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

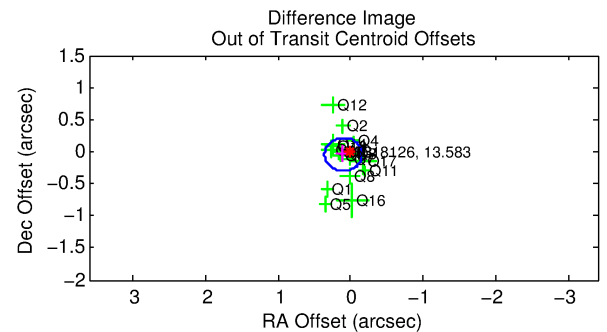
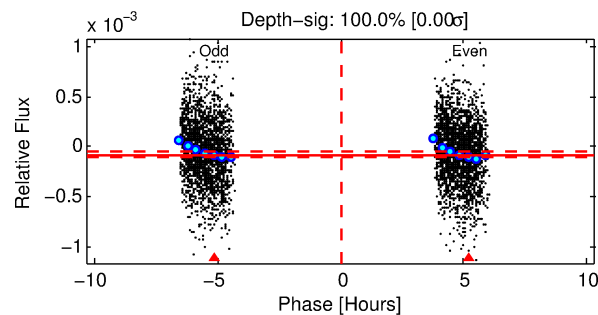
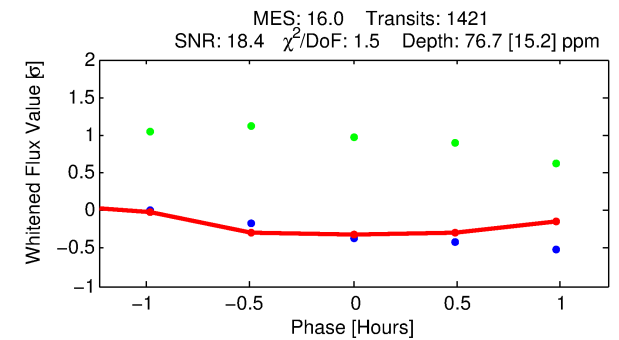
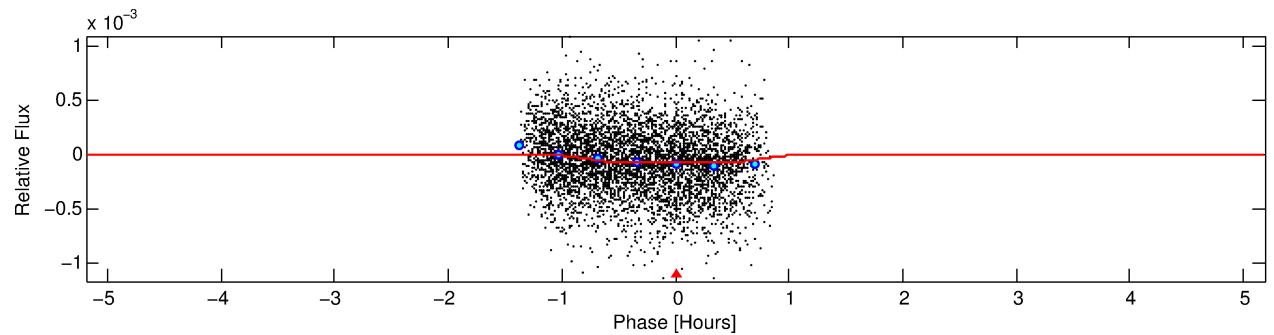
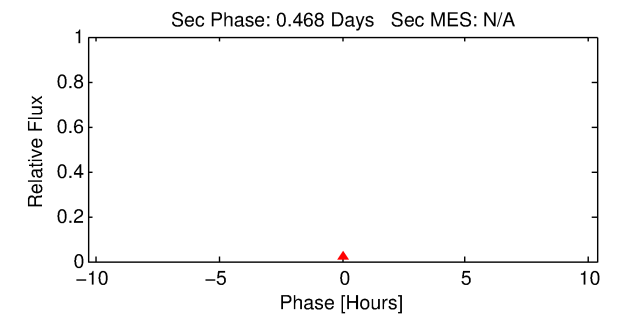
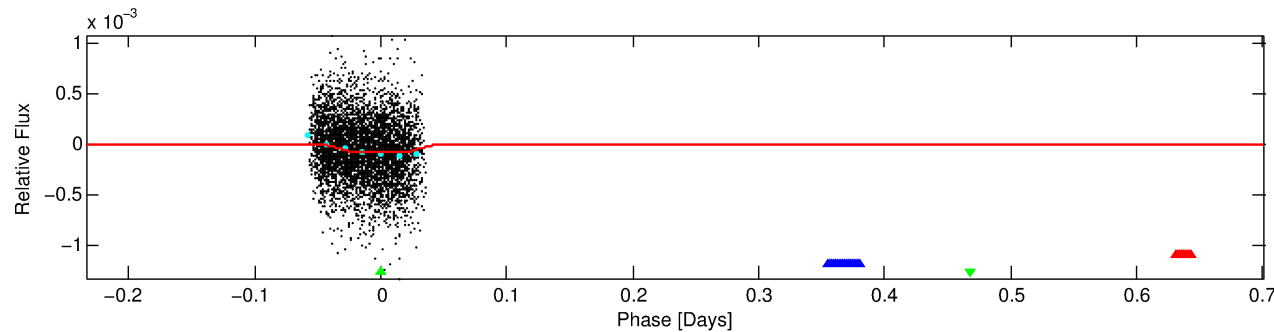
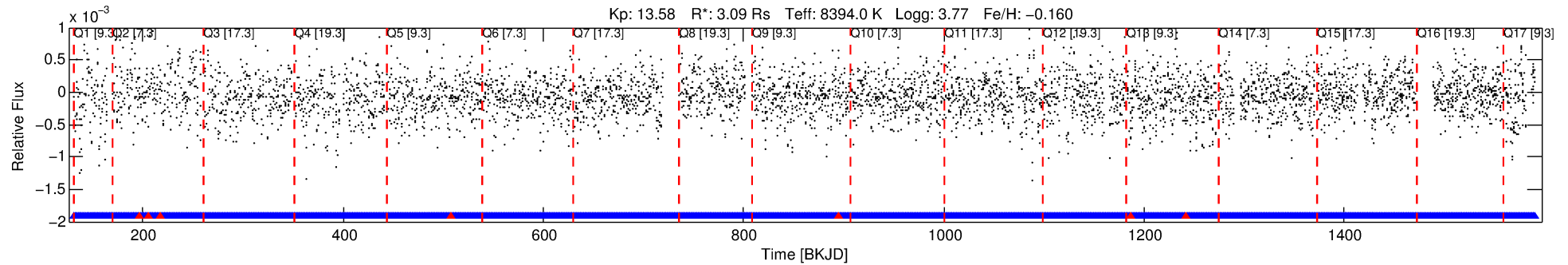
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 005618126-03

No Significant Match Found

DV One-Page Summary

KIC: 5618126 Candidate: 3 of 3 Period: 0.935 d



DV Fit Results:

Period = 0.93547 [0.00002] d
Epoch = 131.8840 [0.0025] BKJD
Rp/R* = 0.0086 [0.0023]
a/R* = 3.11 [4.03]
b = 0.70 [1.06]
Seff = 75598.39 [56235.90]
Teff = 4228 [786] K
Rp = 2.91 [1.56] Re
a = 0.0237 [0.0107] AU

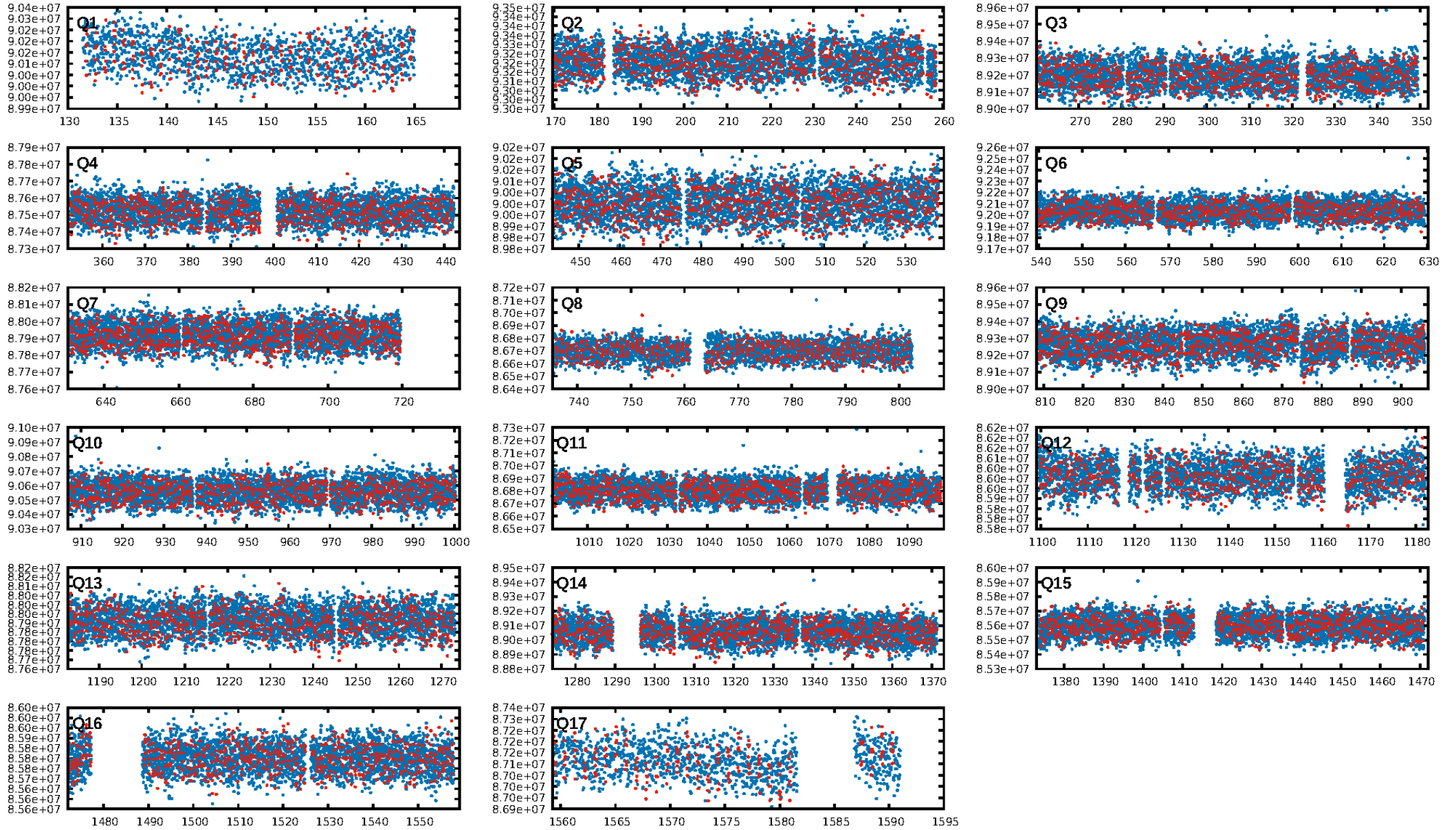
DV Diagnostic Results:

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: 0.99 [1350/1357]
GhostDiagnostic-chr: 2.355
Centroid-sig: N/A
Centroid-so: 0.806 arcsec [2.10 σ]
OotOffset-rm: 0.113 arcsec [1.33 σ]
KicOffset-rm: 0.140 arcsec [1.62 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]

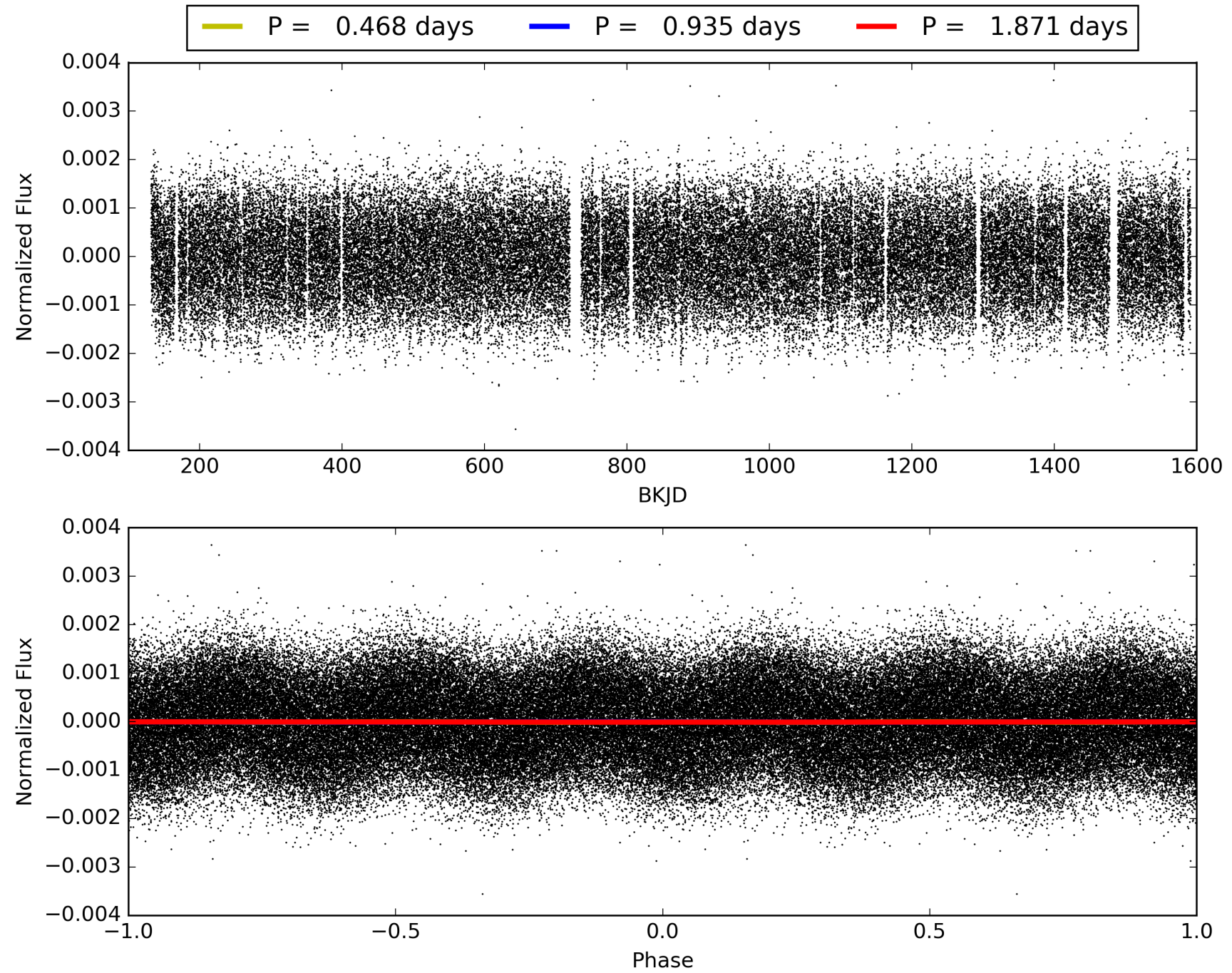
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:06:18 Z

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

TCE 005618126-03, PDC Light Curves

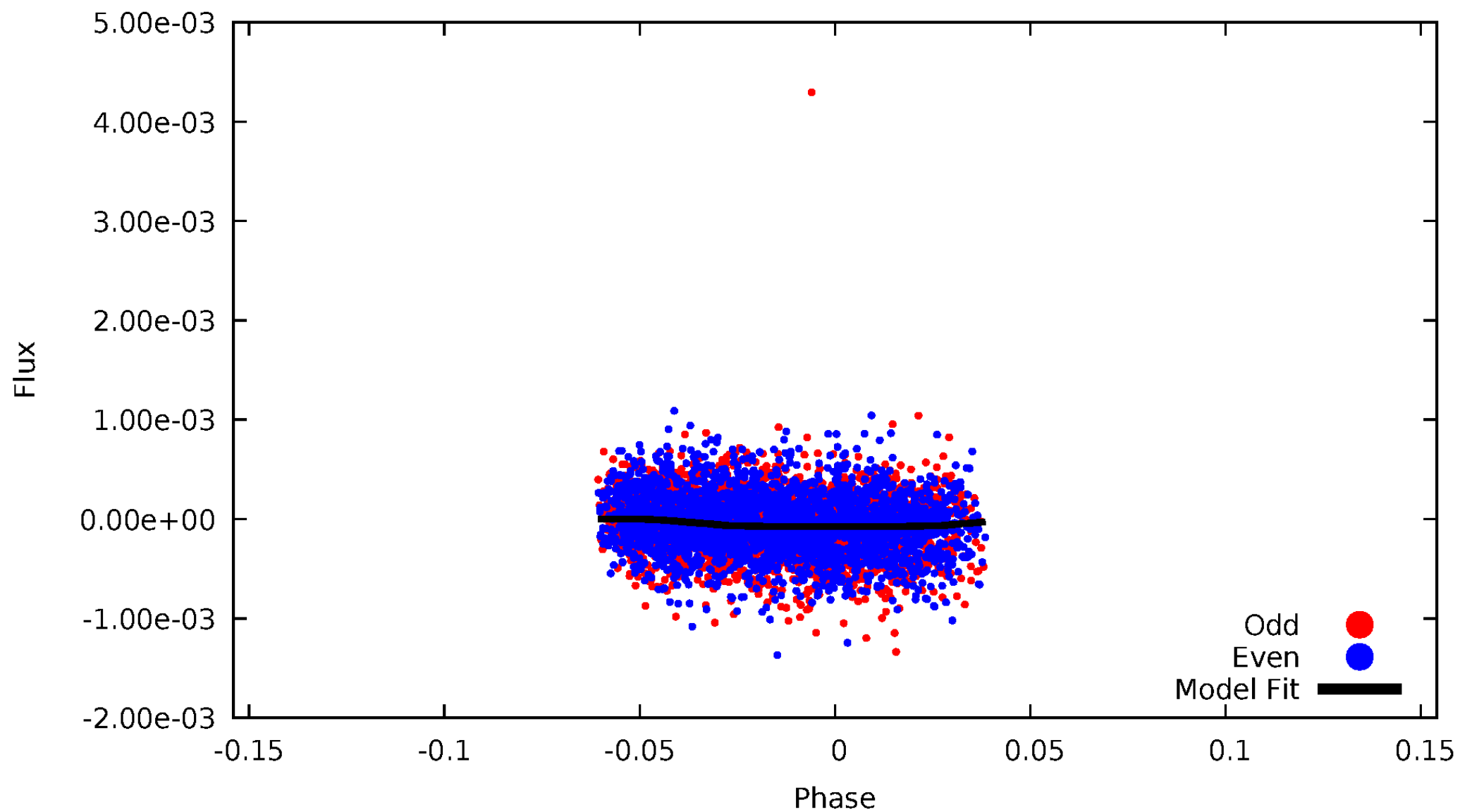


TCE 005618126-03



DV Odd/Even

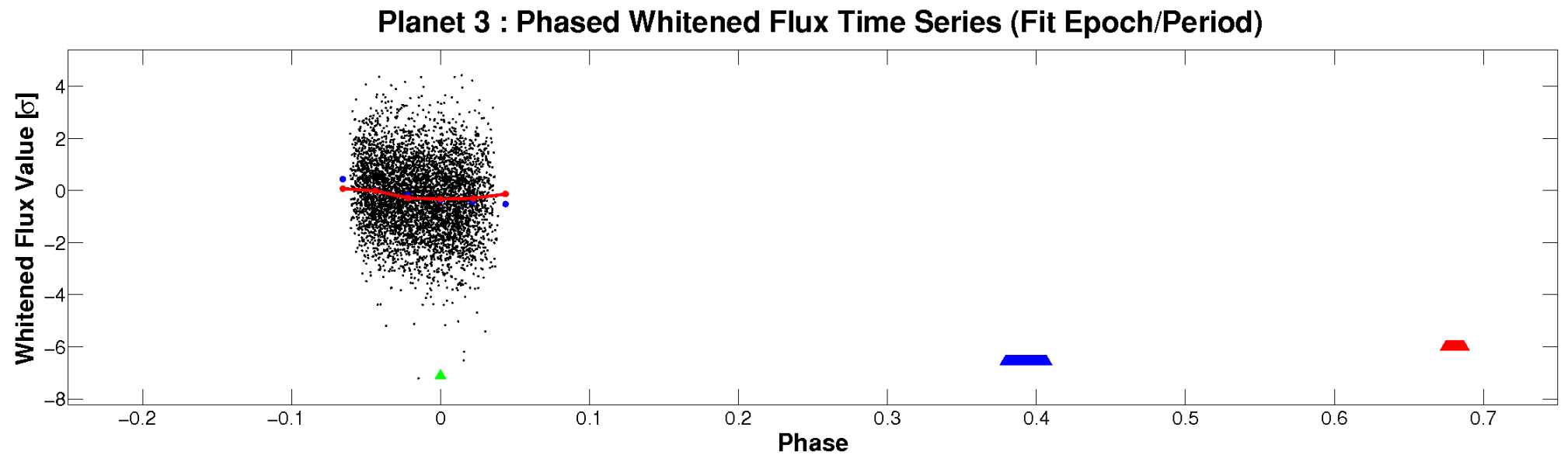
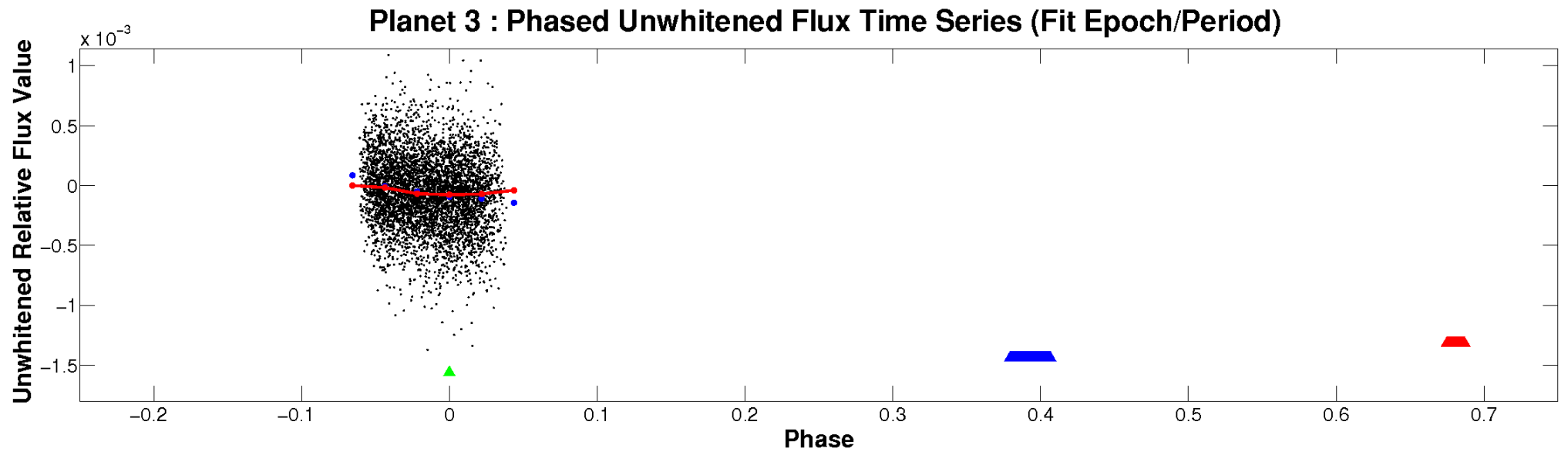
TCE 005618126-03



ALT Odd/Even

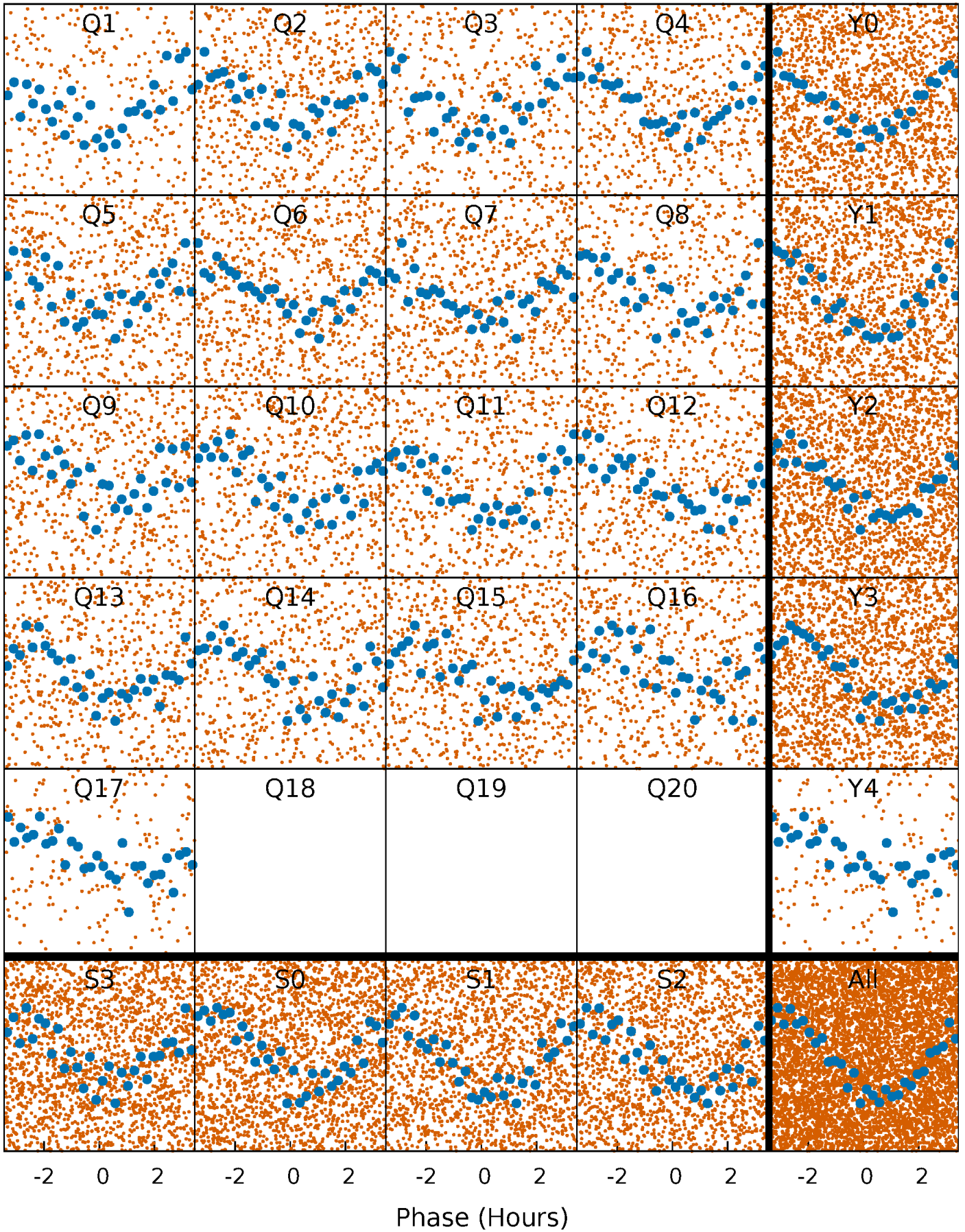
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve



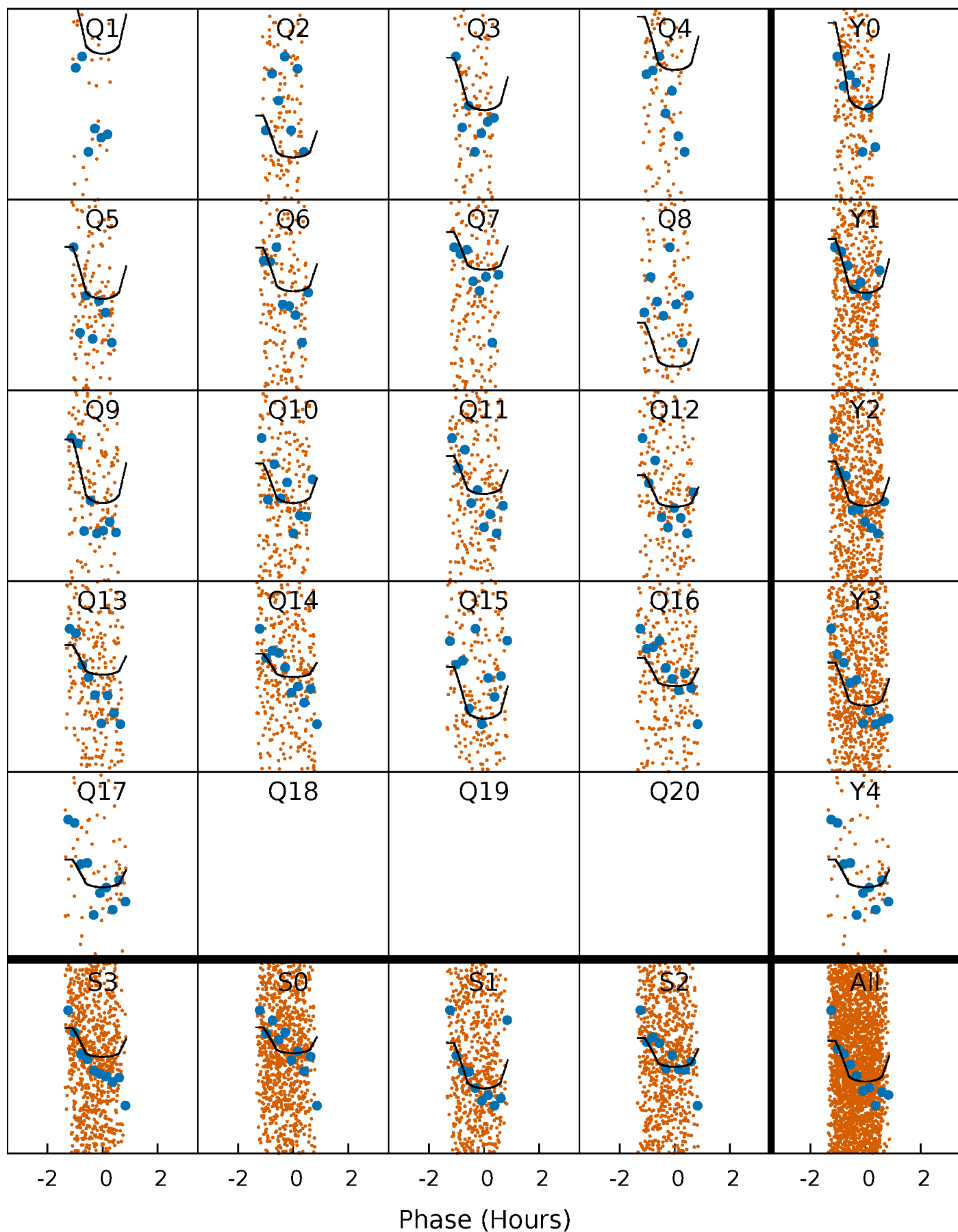
PDC Quarter-Phased Transit Curves

TCE 005618126-03 P= 0.935474 Days $T_0=131.883975$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 005618126-03 $P = 0.935474$ Days $T_0 = 131.883975$ (BKJD)

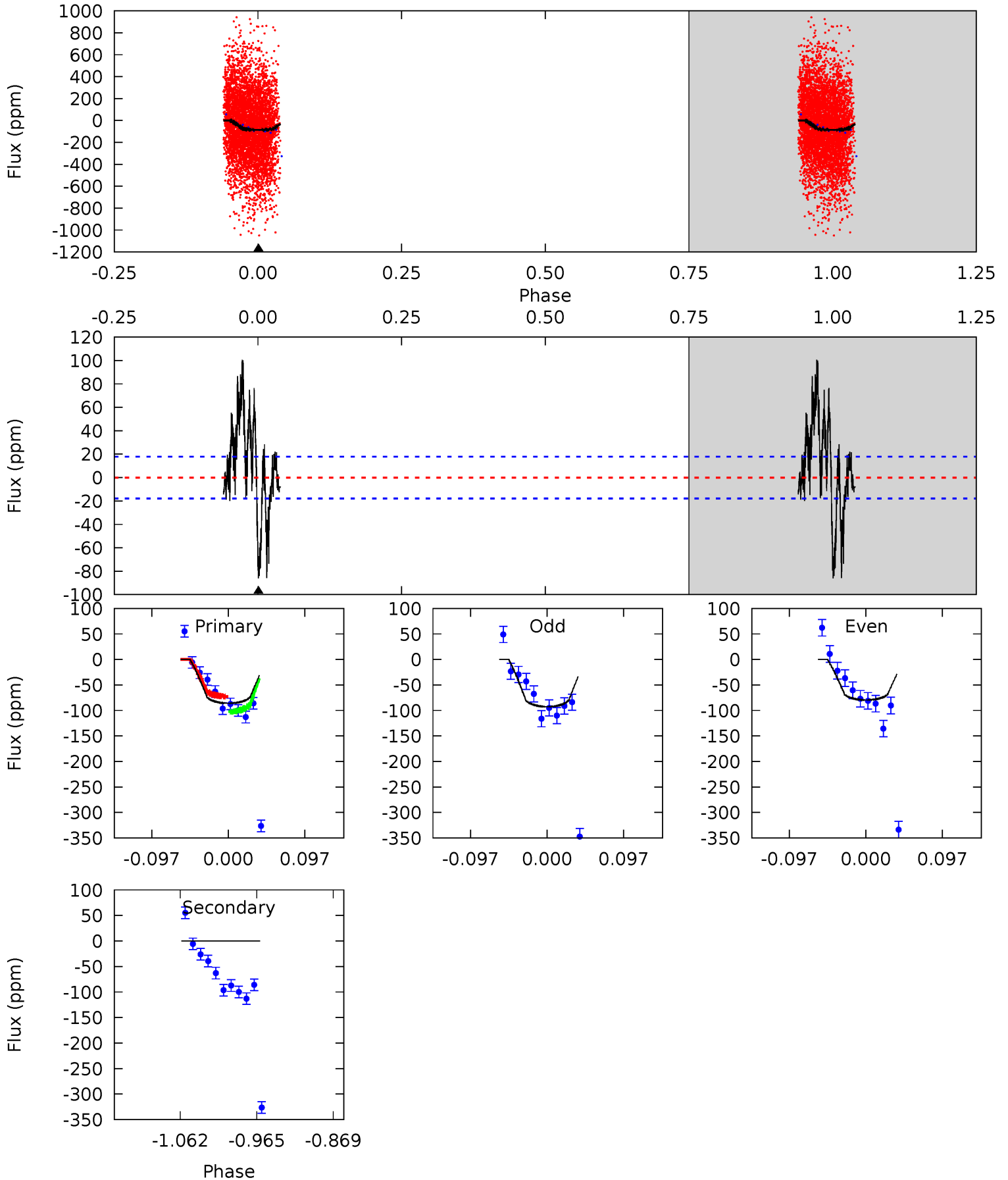


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

005618126-03, P = 0.935474 Days, E = 130.948501 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
22.0	0	0	0	4.57	1.66	3.08	22.0	22.0	0	0	1.69	1.05	0.54	3.13



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 005618126

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8394^{+203}_{-377}	$3.765^{+0.424}_{-0.106}$	$-0.160^{+0.250}_{-0.350}$	$3.088^{+0.778}_{-1.446}$	$2.024^{+0.320}_{-0.481}$	$0.097^{+0.377}_{-0.034}$
	+2%/-4%	+11%/-3%	+156%/-219%	+25%/-47%	+16%/-24%	+389%/-35%
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 005618126-03 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 4	$2.59^{+0.94}_{-0.87}$	5694^{+453}_{-702}	-4645^{+1007}_{-576}	$-0.004^{+0.213}_{-0.201}$
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 $T_{obs} \gg T_{max}$ AND $A_{obs} \gg 1.0$

DV Centroid Data

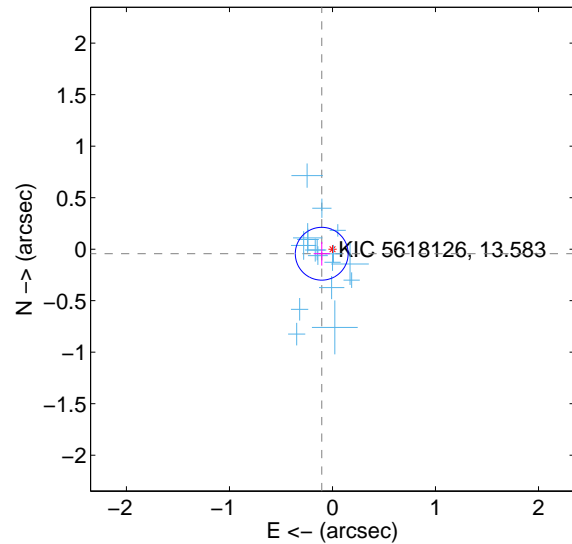
Supplemental centroid analysis for 005618126-03. Kepler magnitude: 13.58. Transit SNR 18.44

There are 17 quarters with good PRF difference image offsets

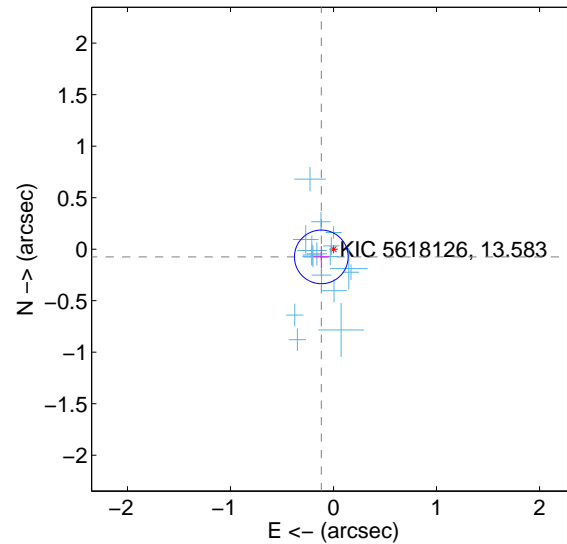
The direct PRF centroid is offset from the target star catalog position by about 0.05 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.113 ± 0.085	1.33	0.104 ± 0.079	-0.044 ± 0.115
PRF-fit source offset from KIC position	0.140 ± 0.087	1.62	0.119 ± 0.078	-0.075 ± 0.106
photometric centroid source offset	0.81 ± 0.38	2.10	0.78 ± 0.39	0.19 ± 0.36

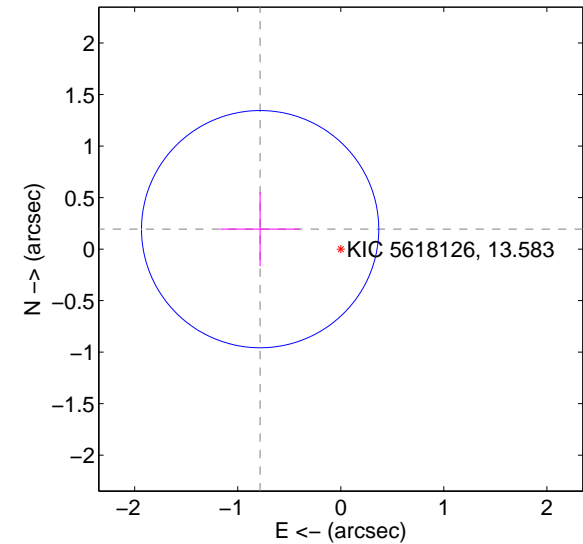
offset from difference PRF-fit to OOT PRF-fit



offset from difference PRF-fit to KIC position

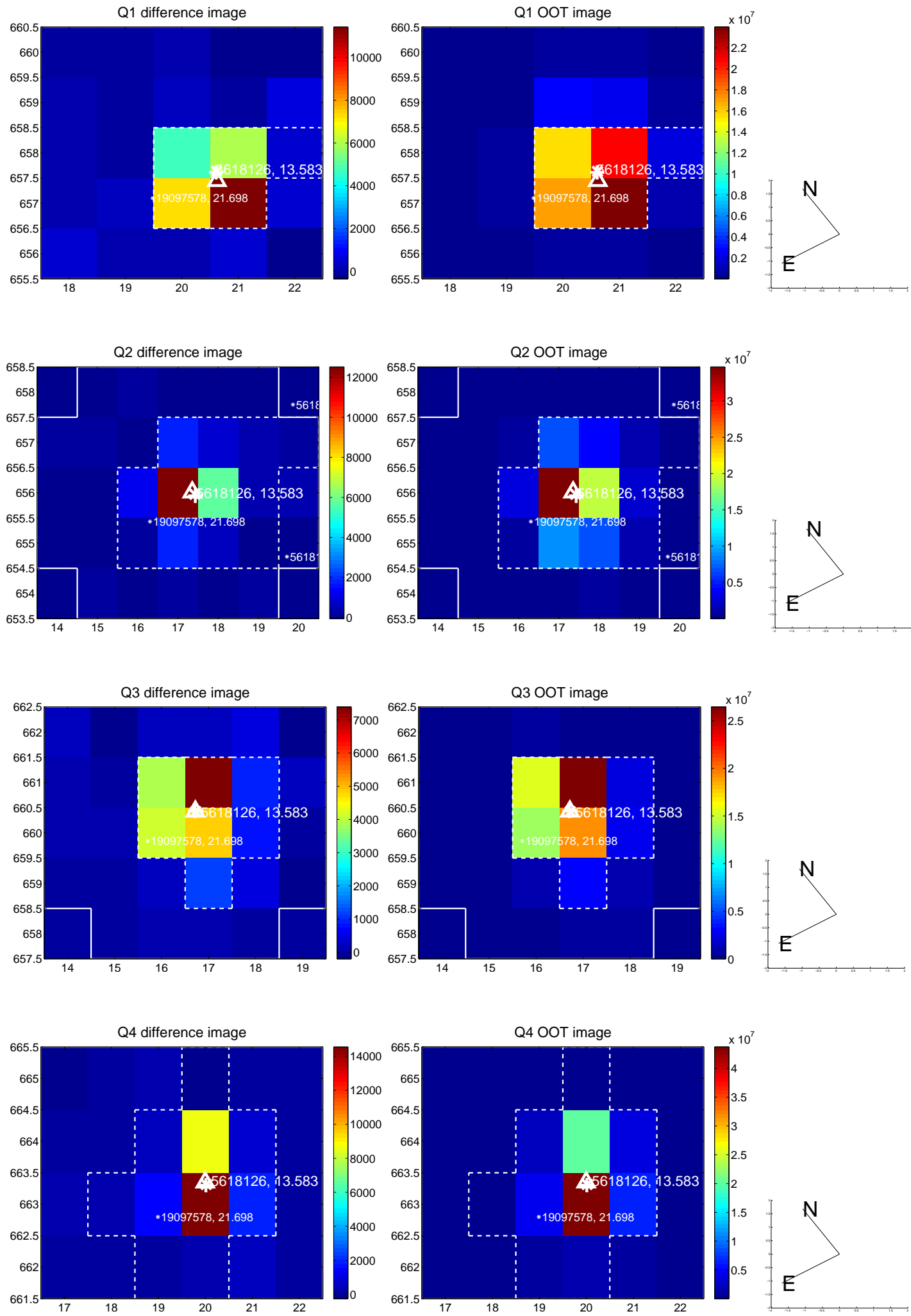


offset from photometric centroids

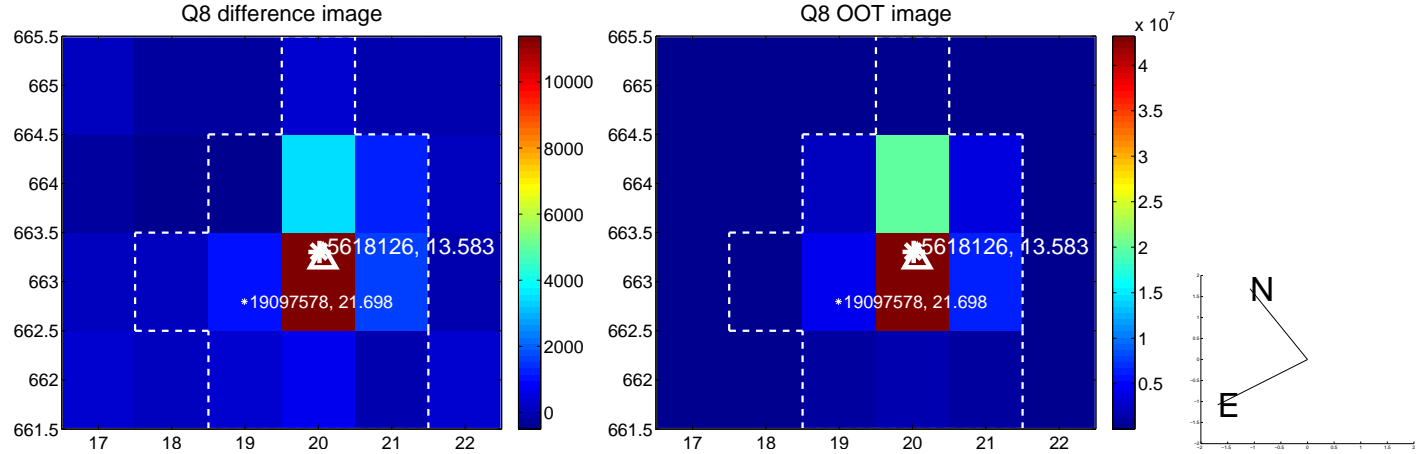
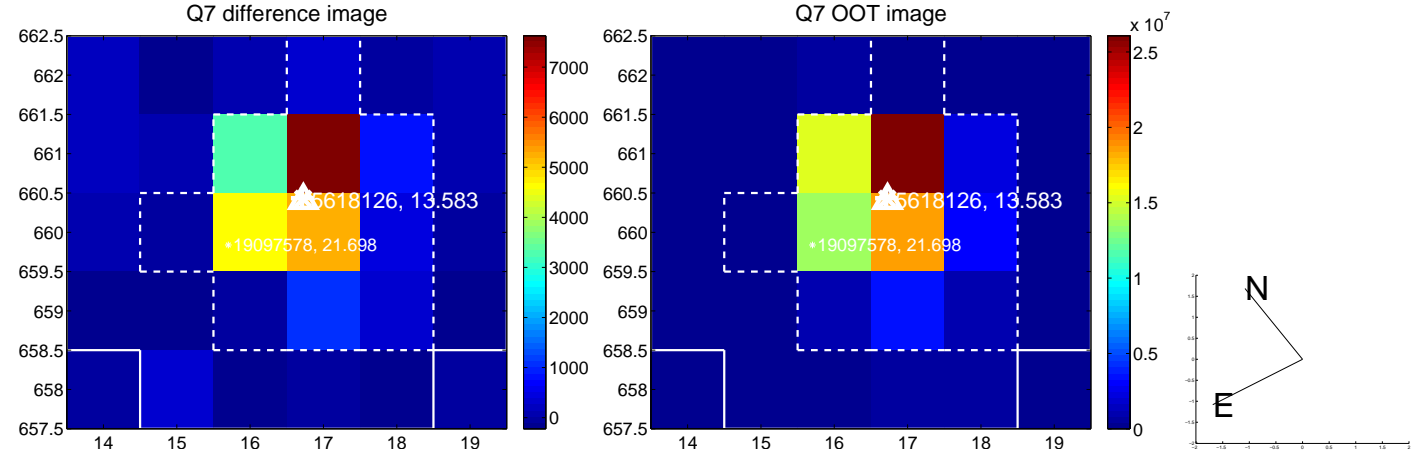
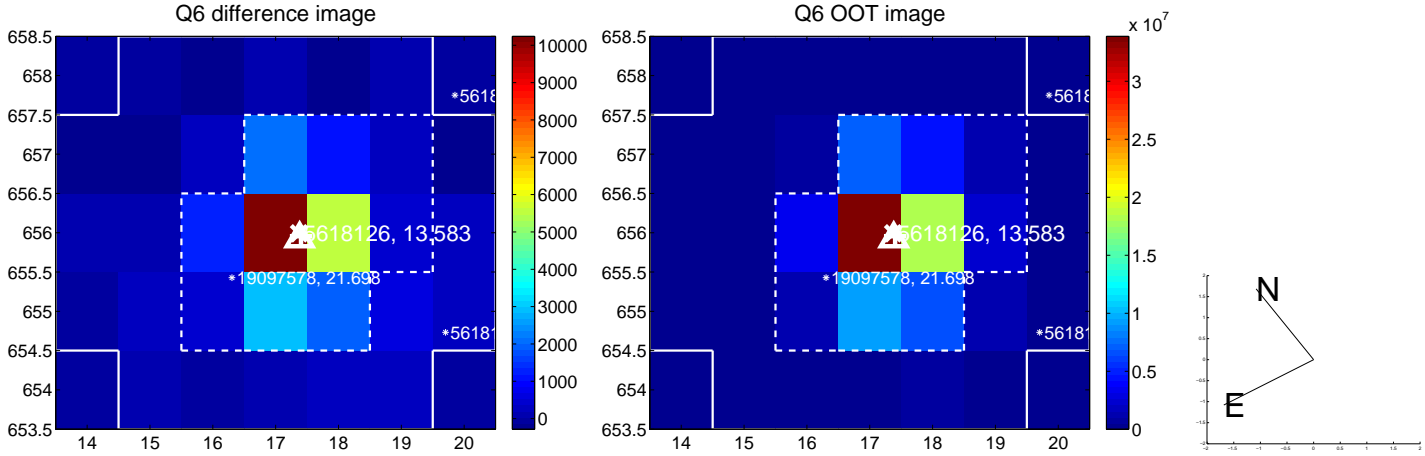
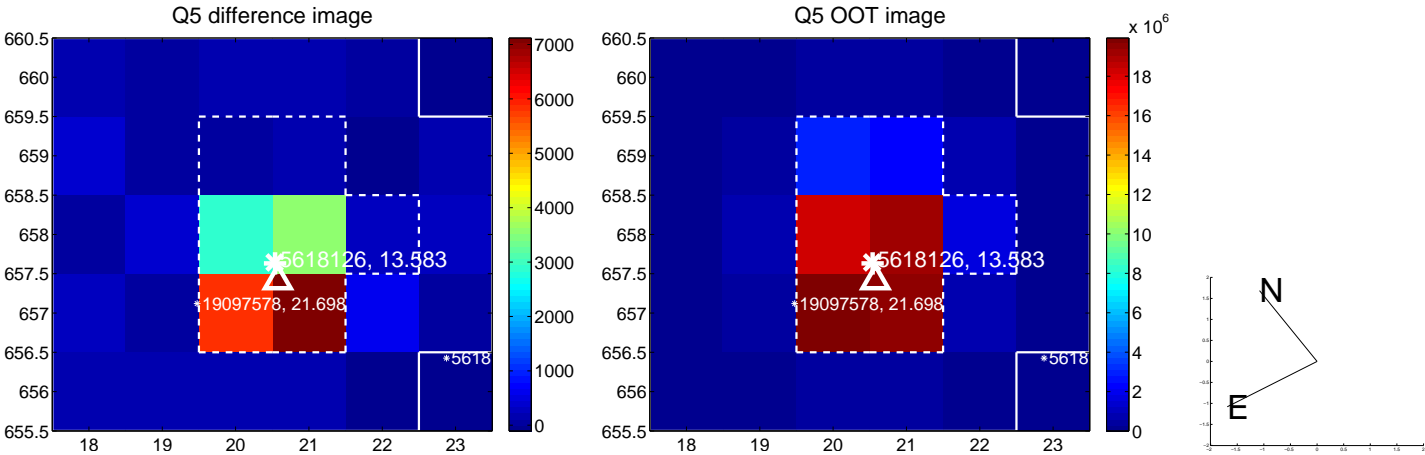


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

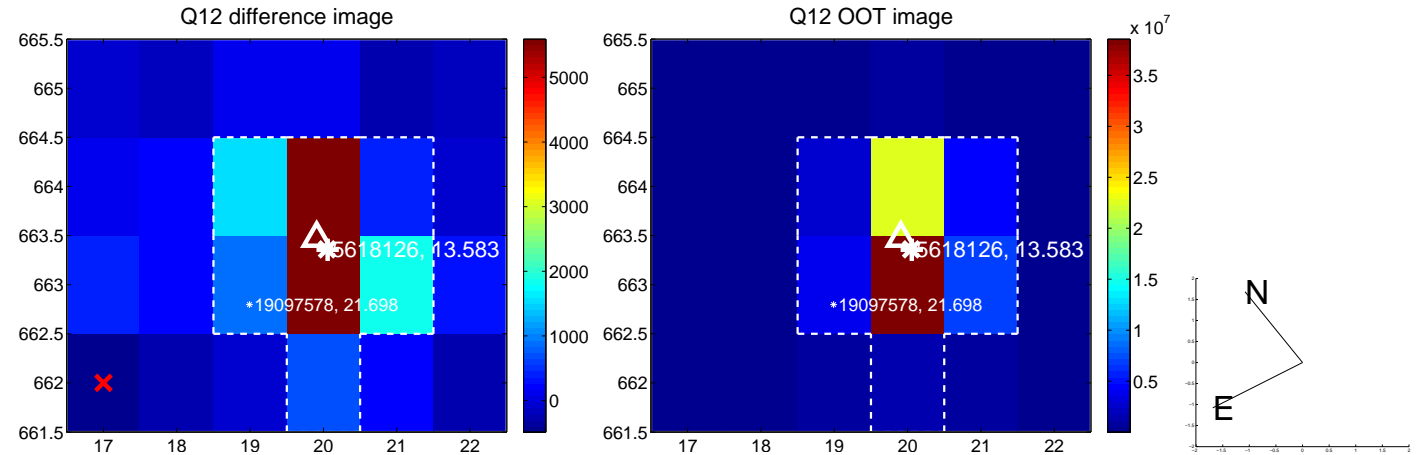
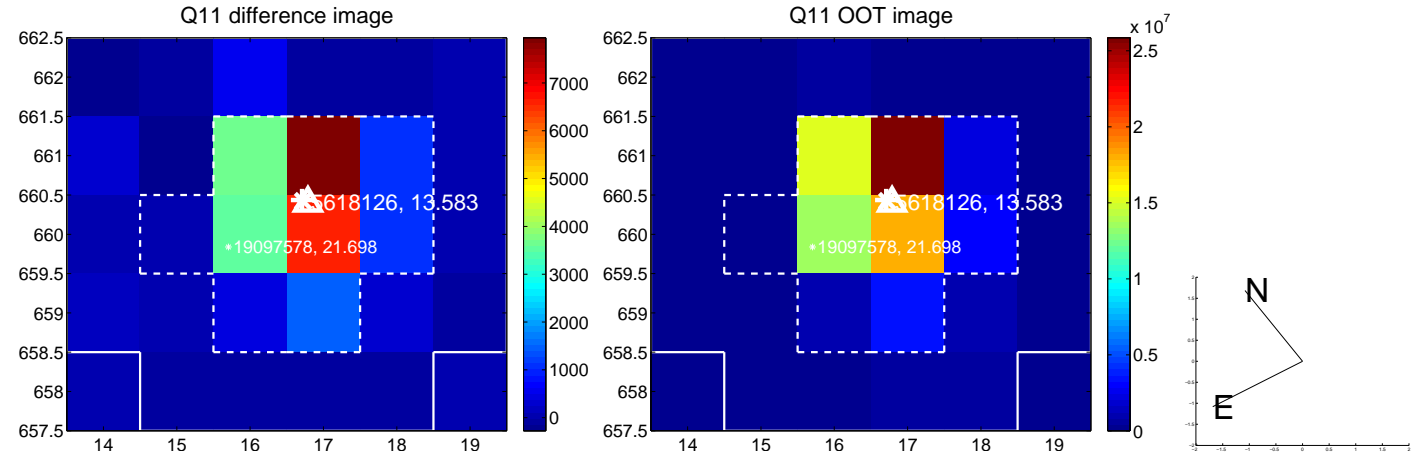
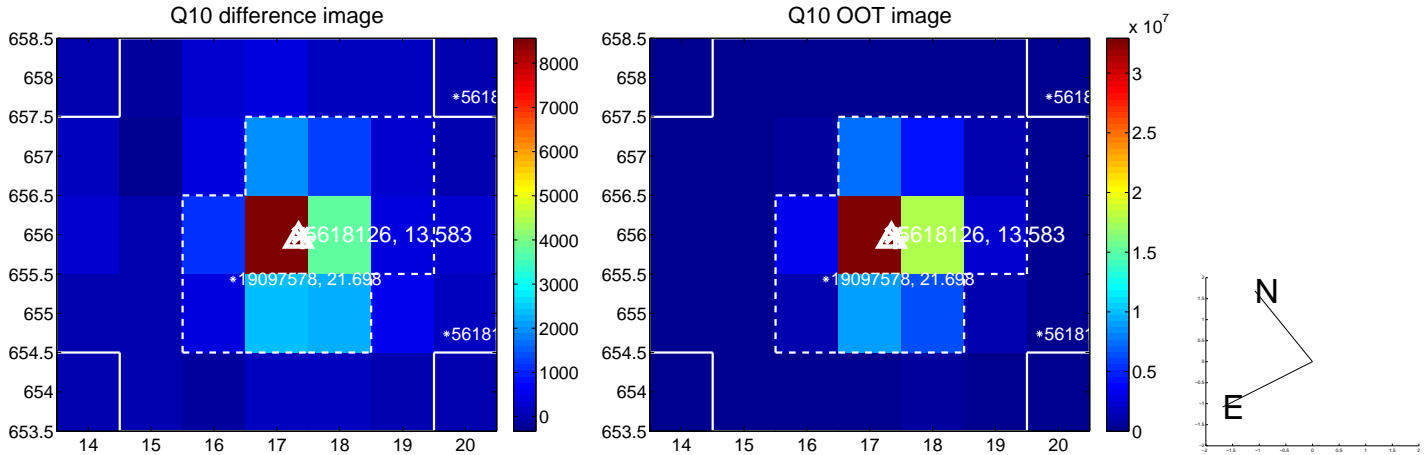
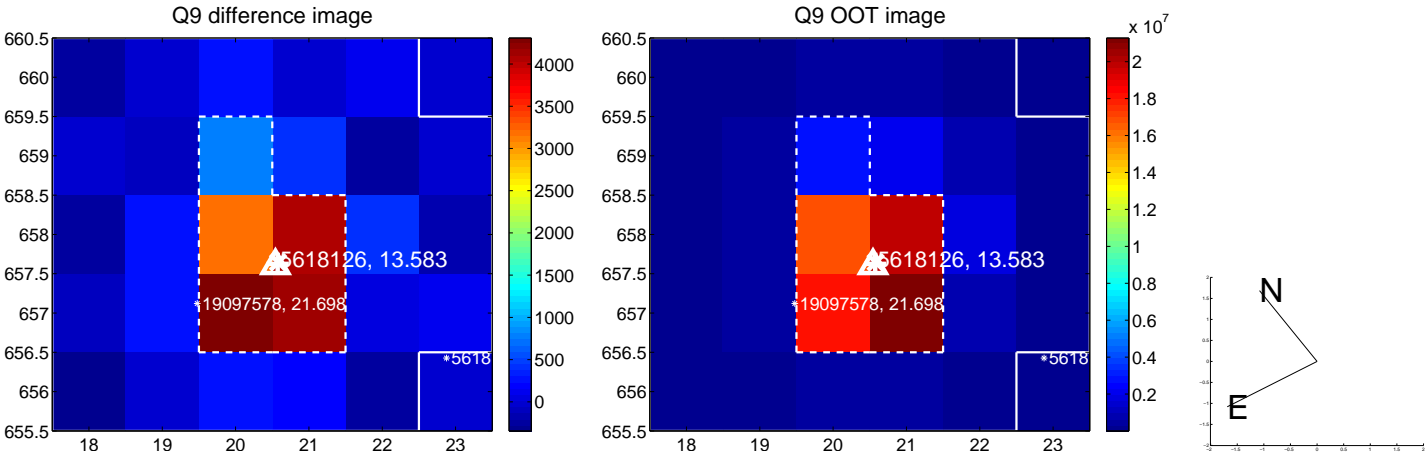
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



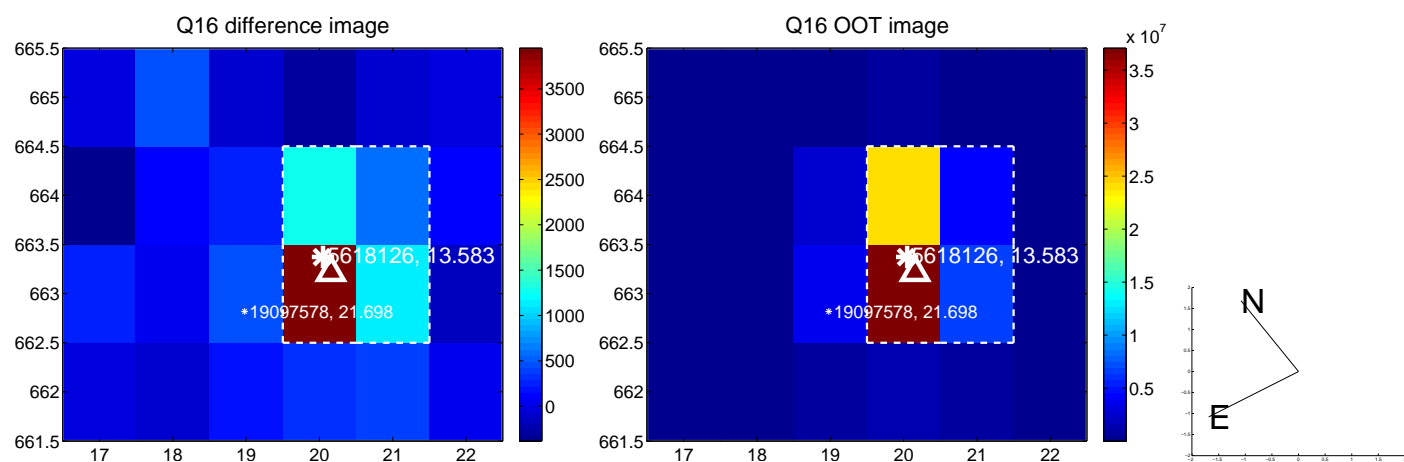
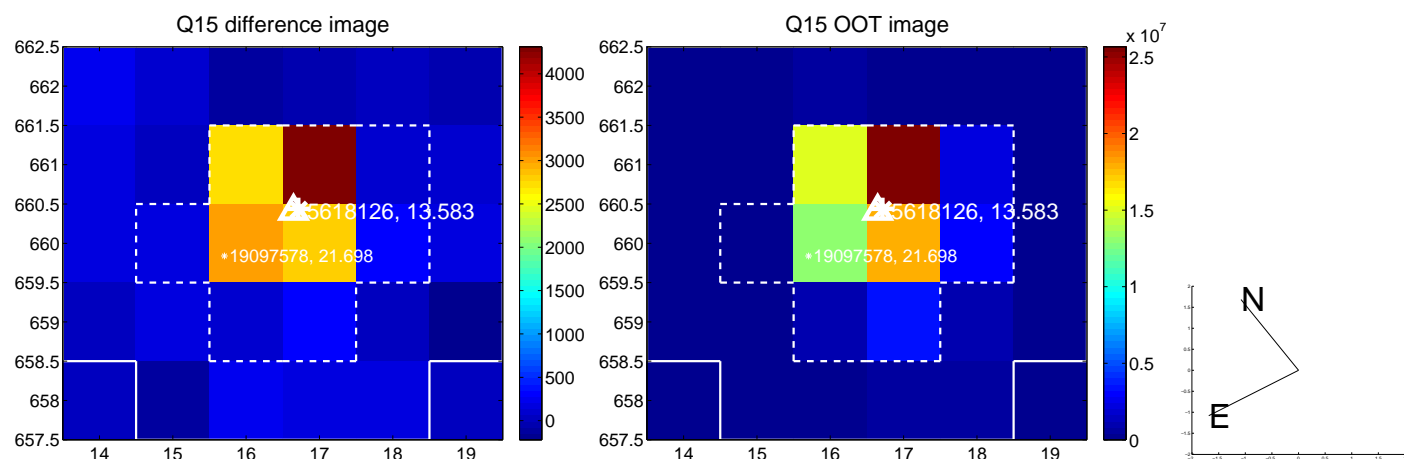
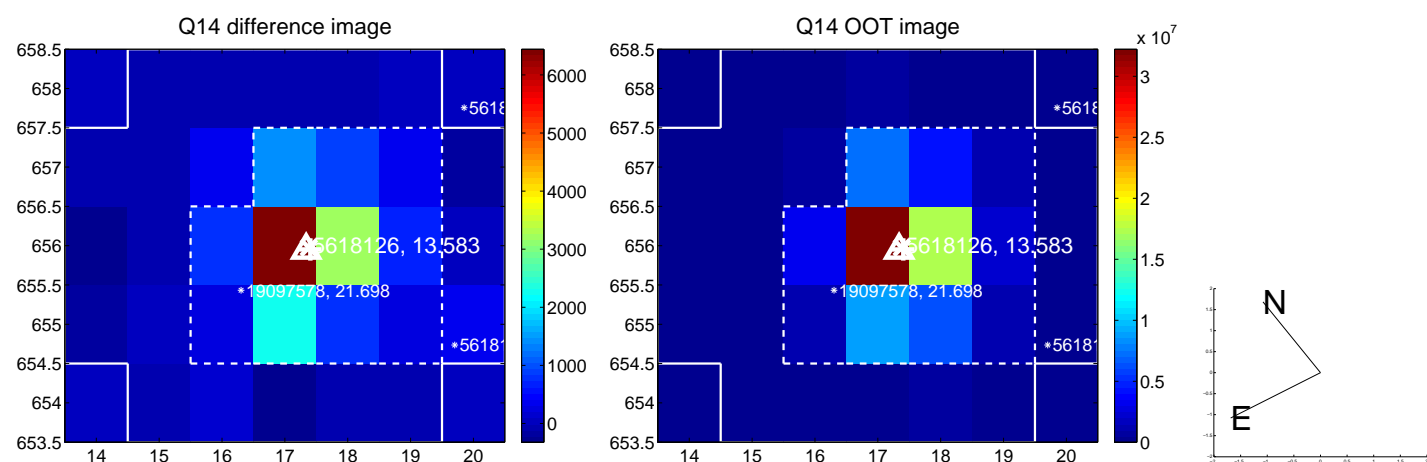
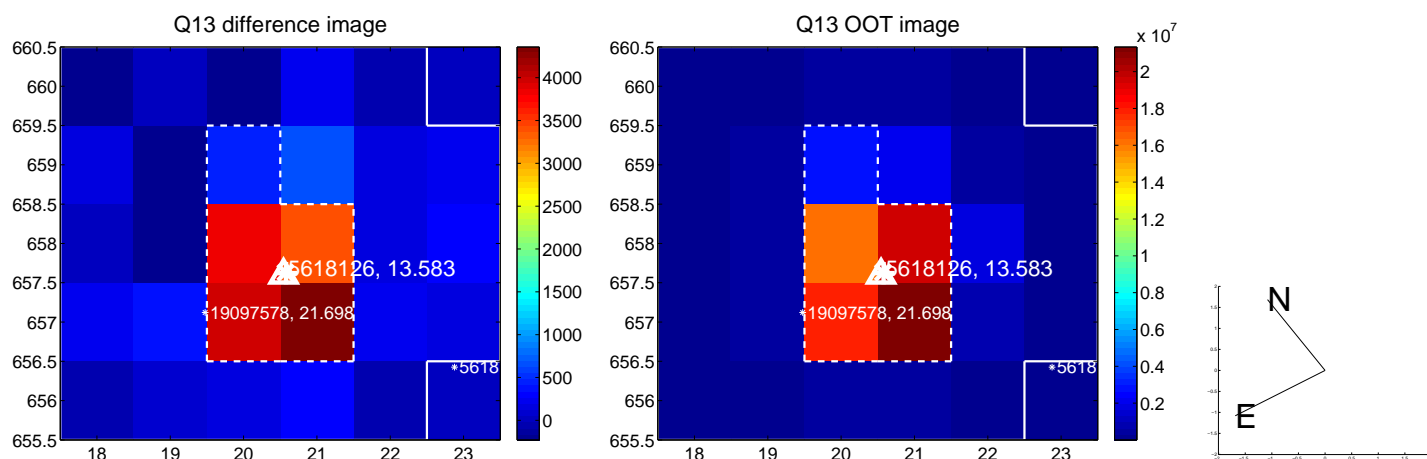
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



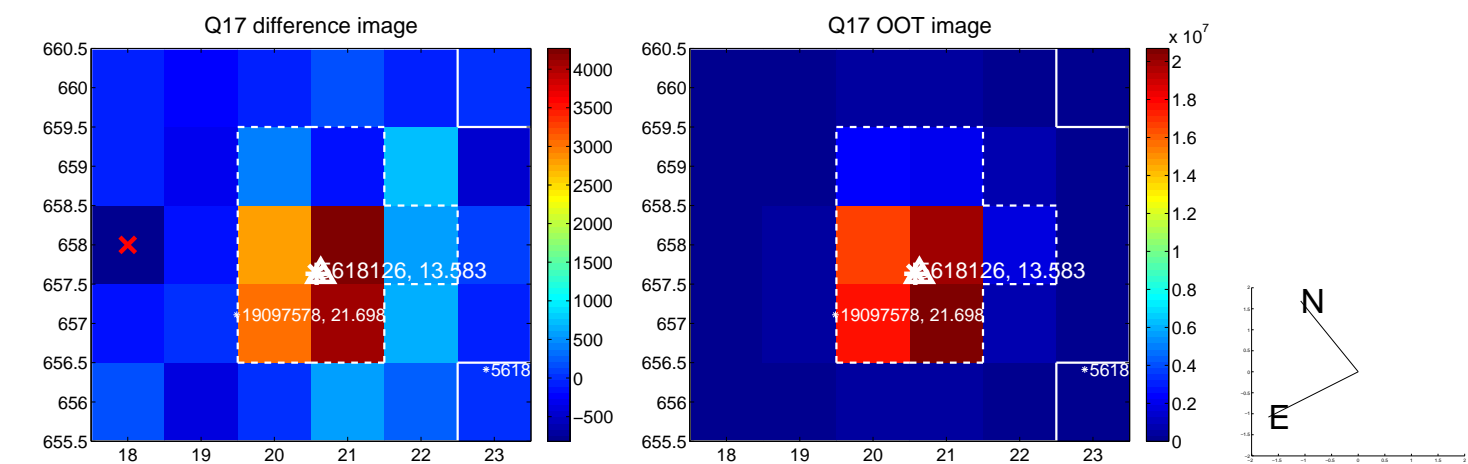
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



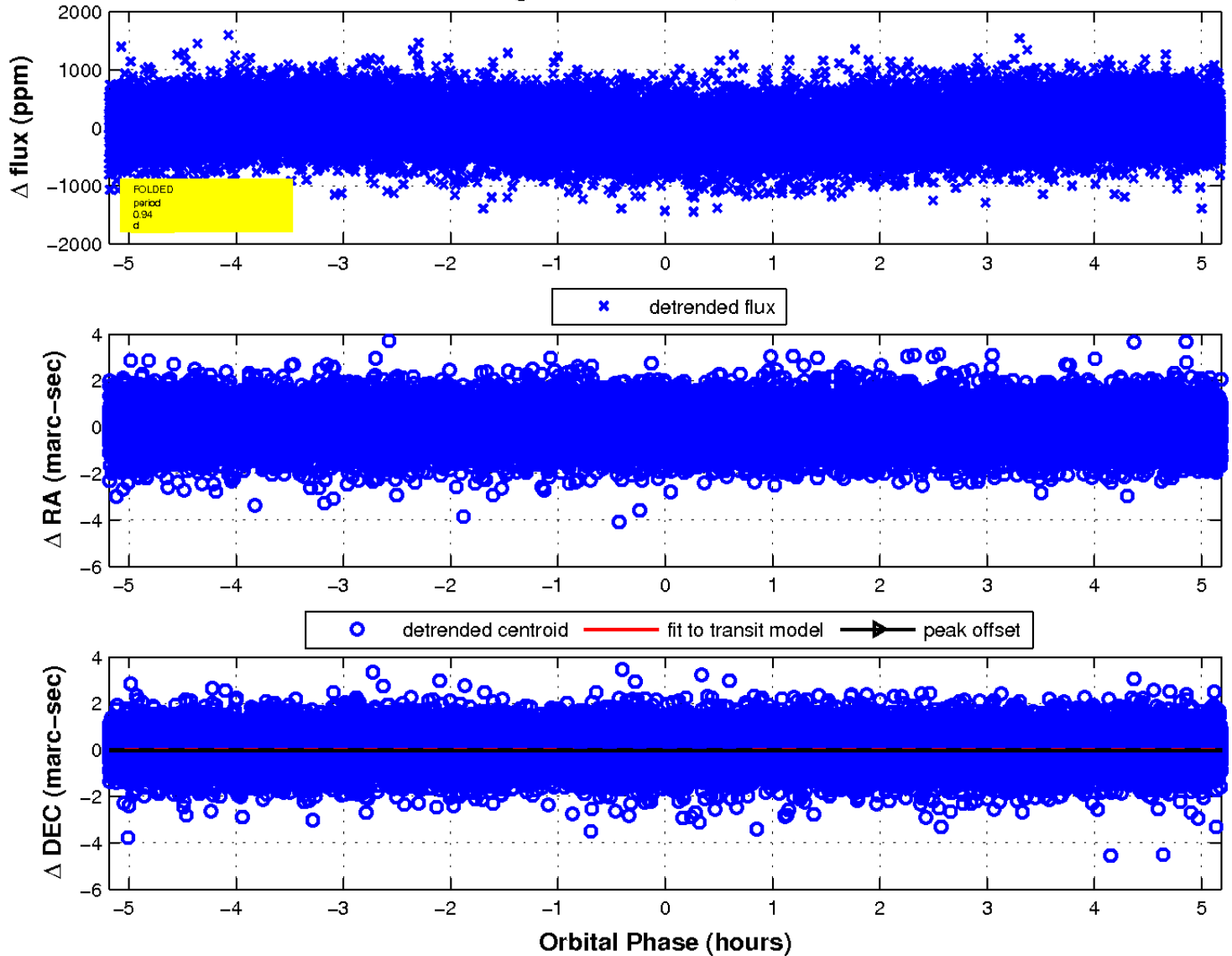
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



fluxWeightedCentroids, Planet 3 of 3



UKIRT Image

Declination

