

KIC 009265050

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})
009265050-01	OBS	No	0.597298	131.663638	10.5	4.405	10.0	7.4	2.16	8515	0.71	71331.06
009265050-02	OBS	No	16.551001	138.887327	400.0	0.737	15.0	16.5	2.16	8515	4.62	850.68
009265050-03	OBS	No	21.415438	144.458008	385.9	0.738	13.7	12.9	2.16	8515	4.37	603.34

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
009265050-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—CENT_FEW_MEAS
009265050-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
009265050-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_TRACKER—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV

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

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

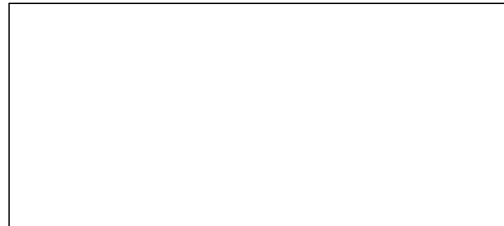
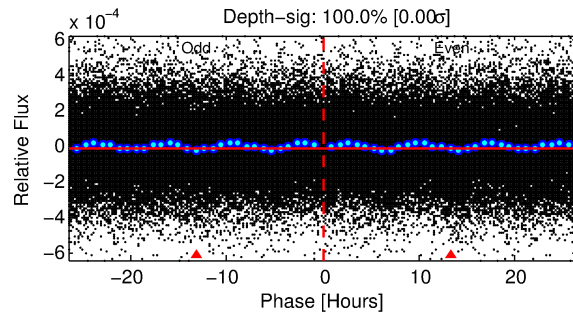
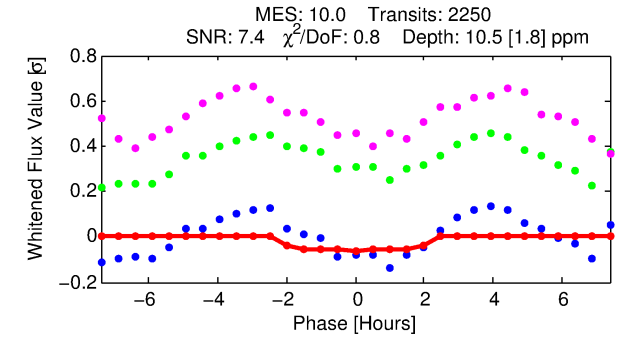
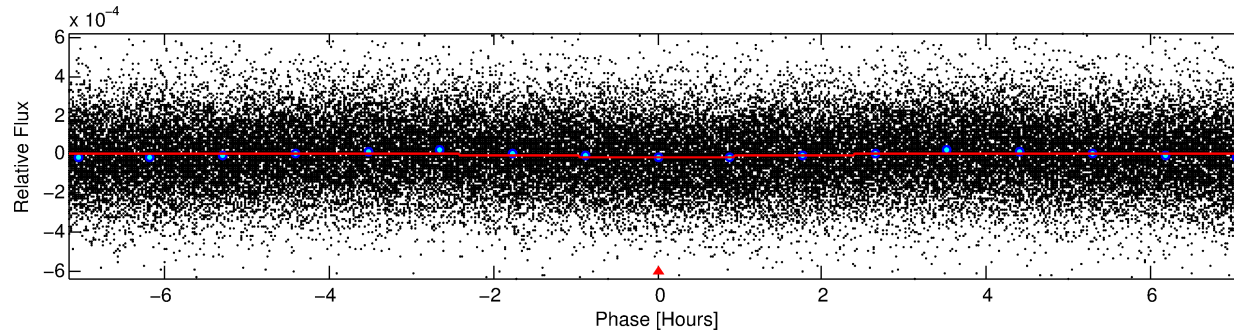
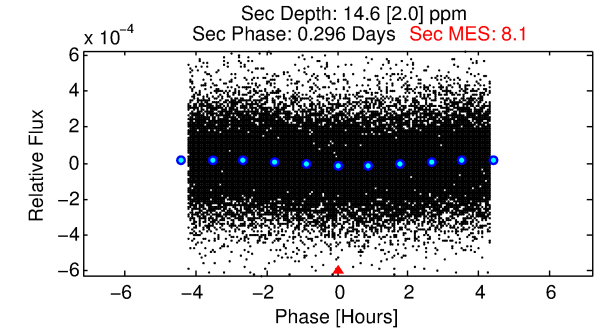
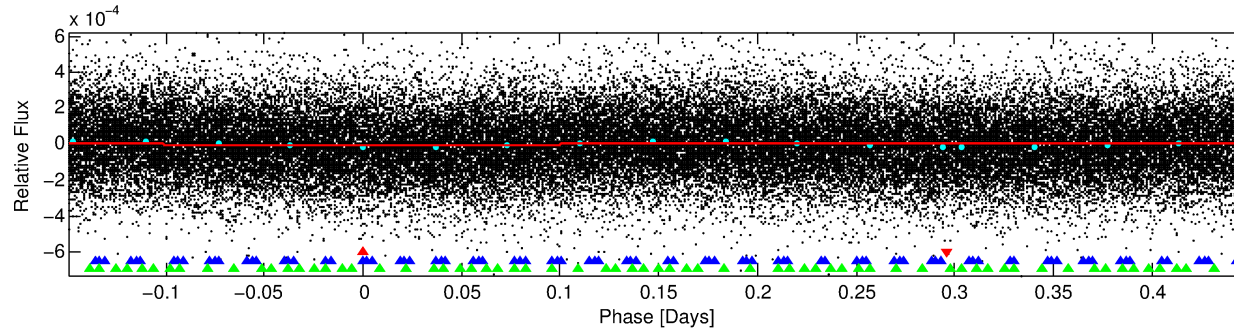
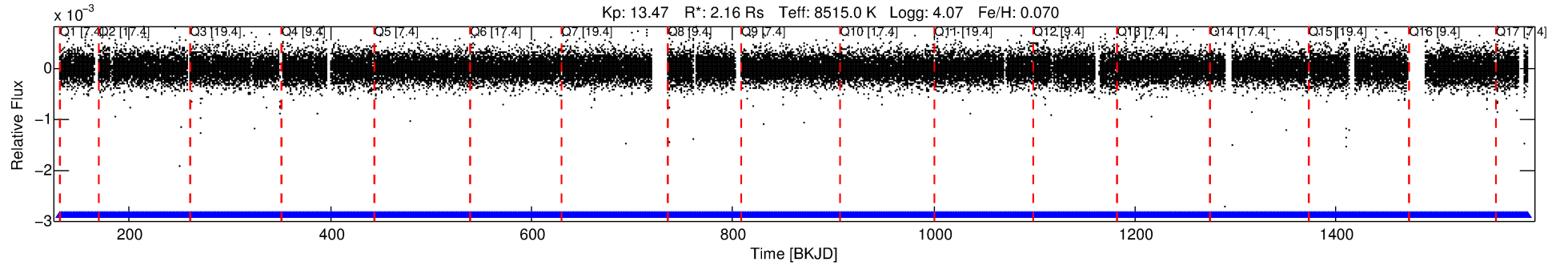
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 009265050-01

No Significant Match Found

DV One-Page Summary

KIC: 9265050 Candidate: 1 of 3 Period: 0.597 d



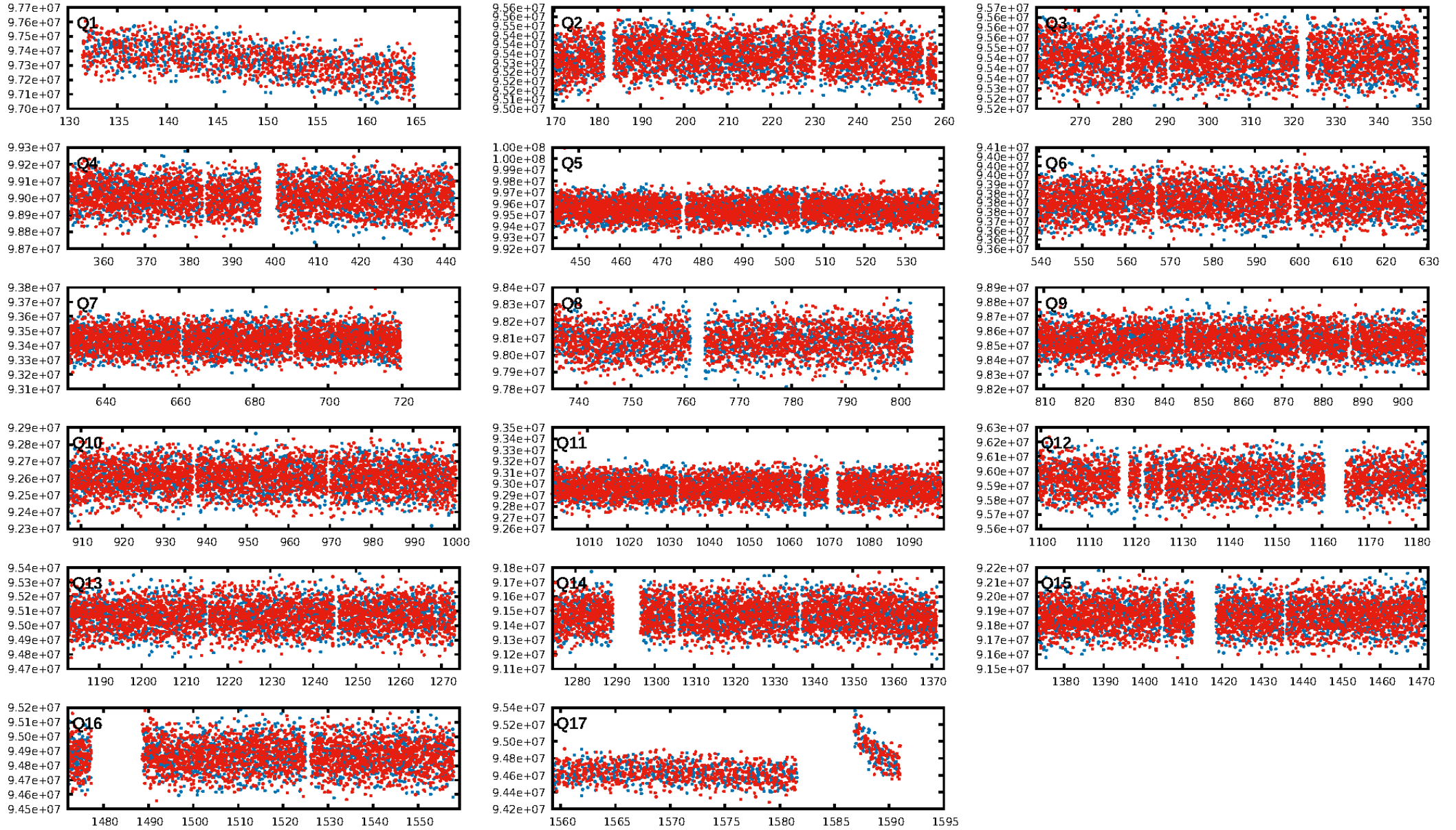
DV Fit Results:

Period = 0.59730 [0.00001] d
Epoch = 131.6636 [0.0064] BKJD
Rp/R* = 0.0030 [0.0043]
a/R* = 1.22 [3.37]
b = 0.10 [84.95]
Seff = 71331.06 [25515.64]
Teq = 4167 [373] K
Rp = 0.71 [1.03] Re
a = 0.0175 [0.0039] AU
Ag = 4.88 [13.96] [0.28σ]
Teffp = 9577 [6817] K [0.79σ]

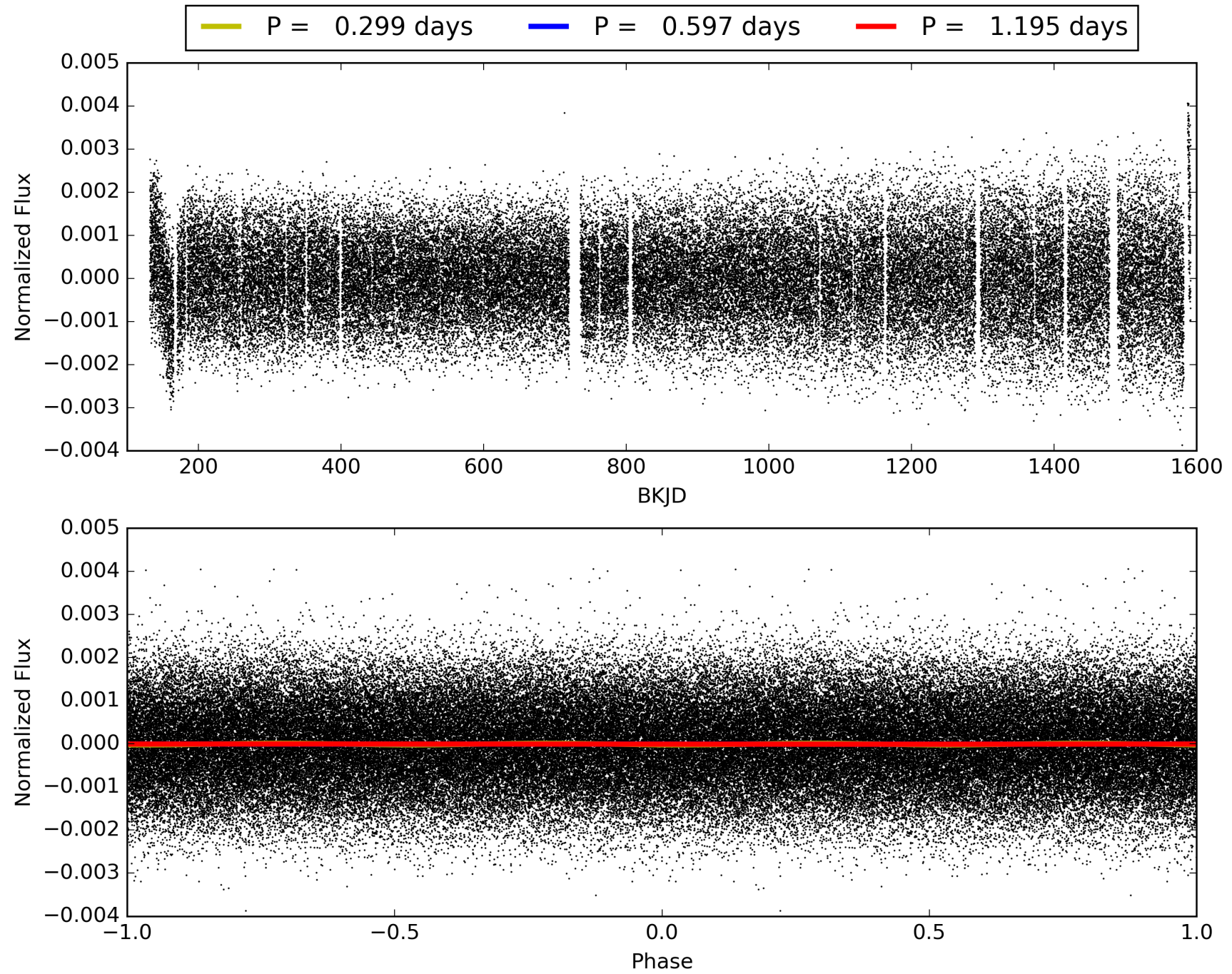
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 100.0% [85.73σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 7.99e-12
RollingBand-fgt: 1.00 [2149/2149]
GhostDiagnostic-chr: -11.57
Centroid-sig: 36.1%
Centroid-so: 1.185 arcsec [0.86σ]
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 009265050-01, PDC Light Curves

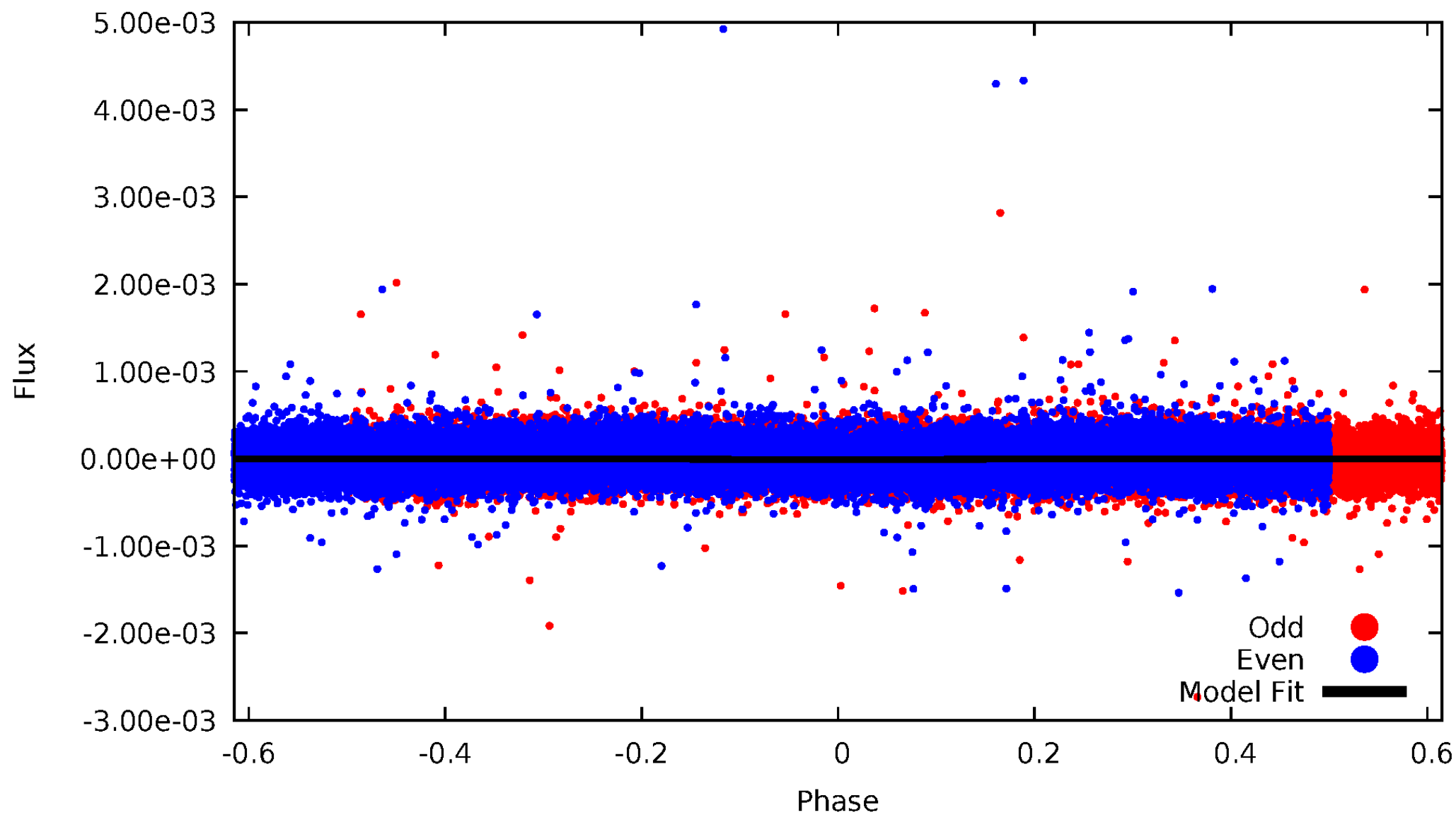


TCE 009265050-01



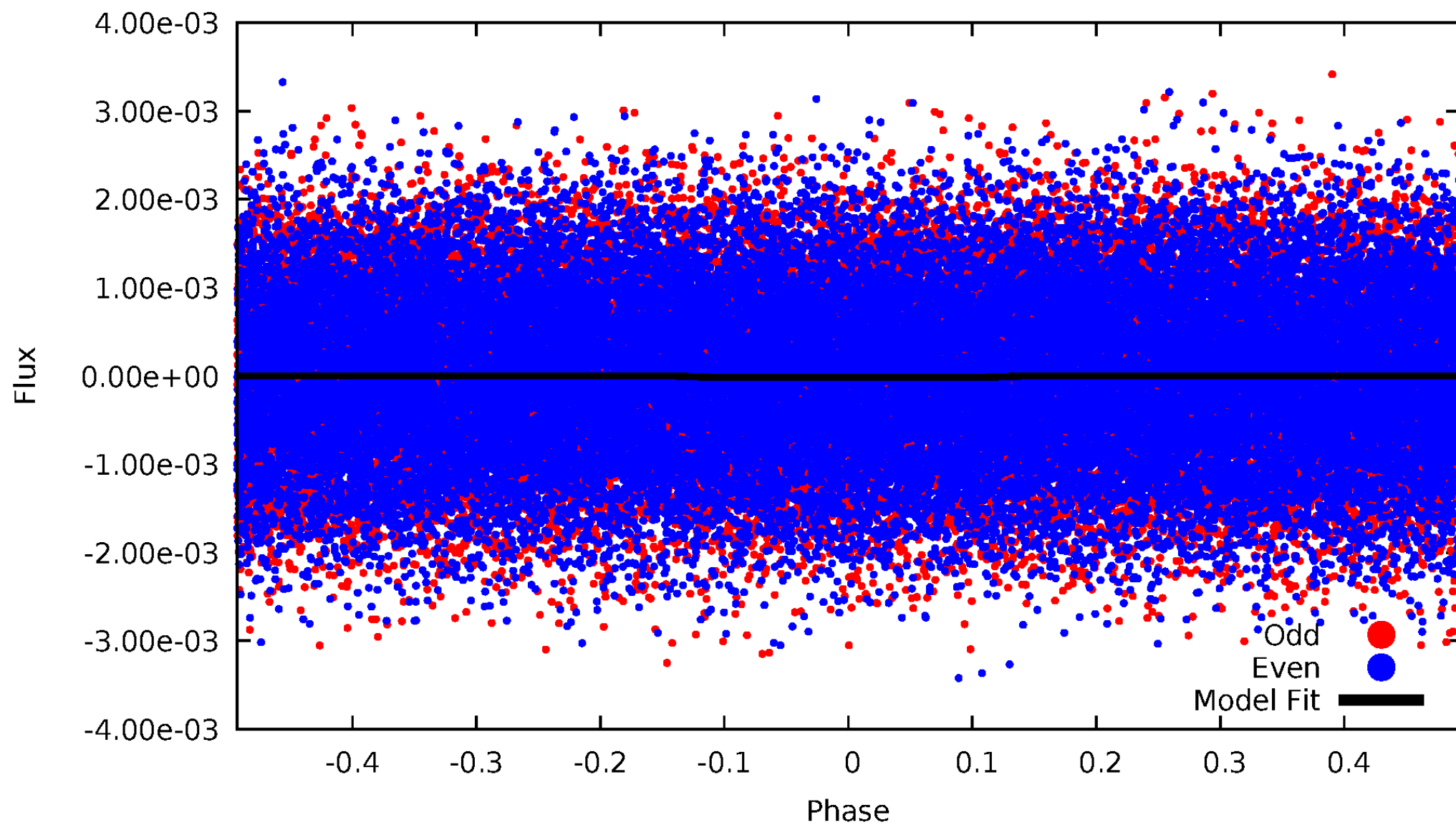
DV Odd/Even

TCE 009265050-01



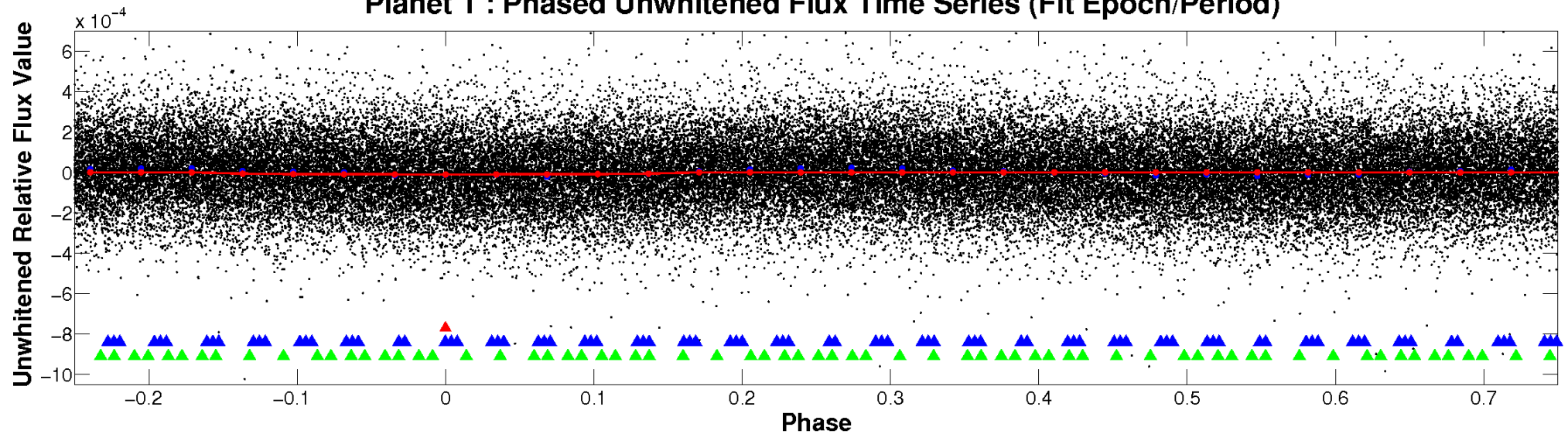
ALT Odd/Even

TCE 009265050-01

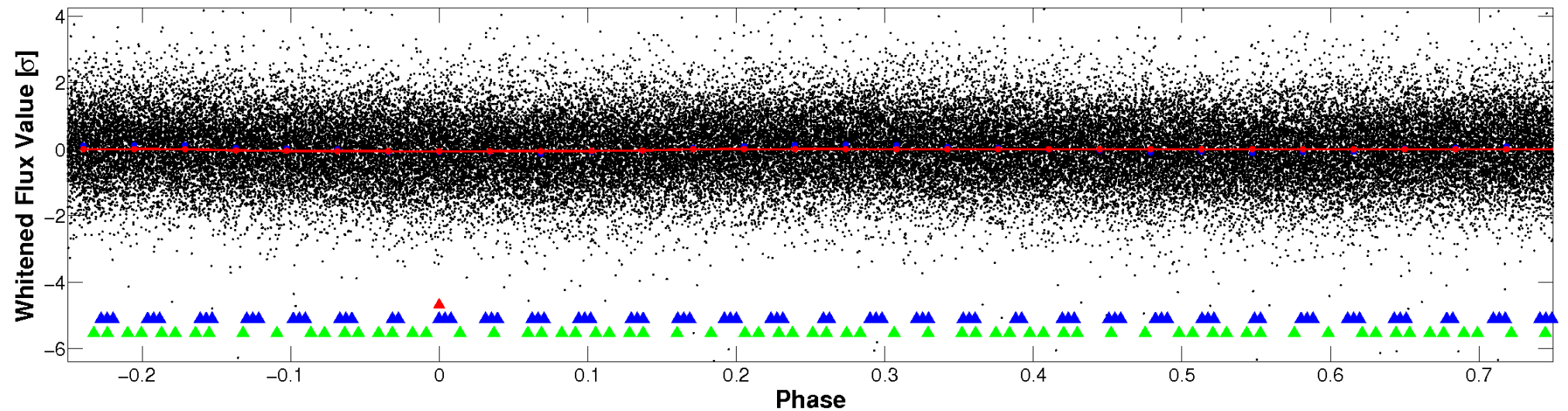


Non-Whitened Vs. Whitened Light Curve

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

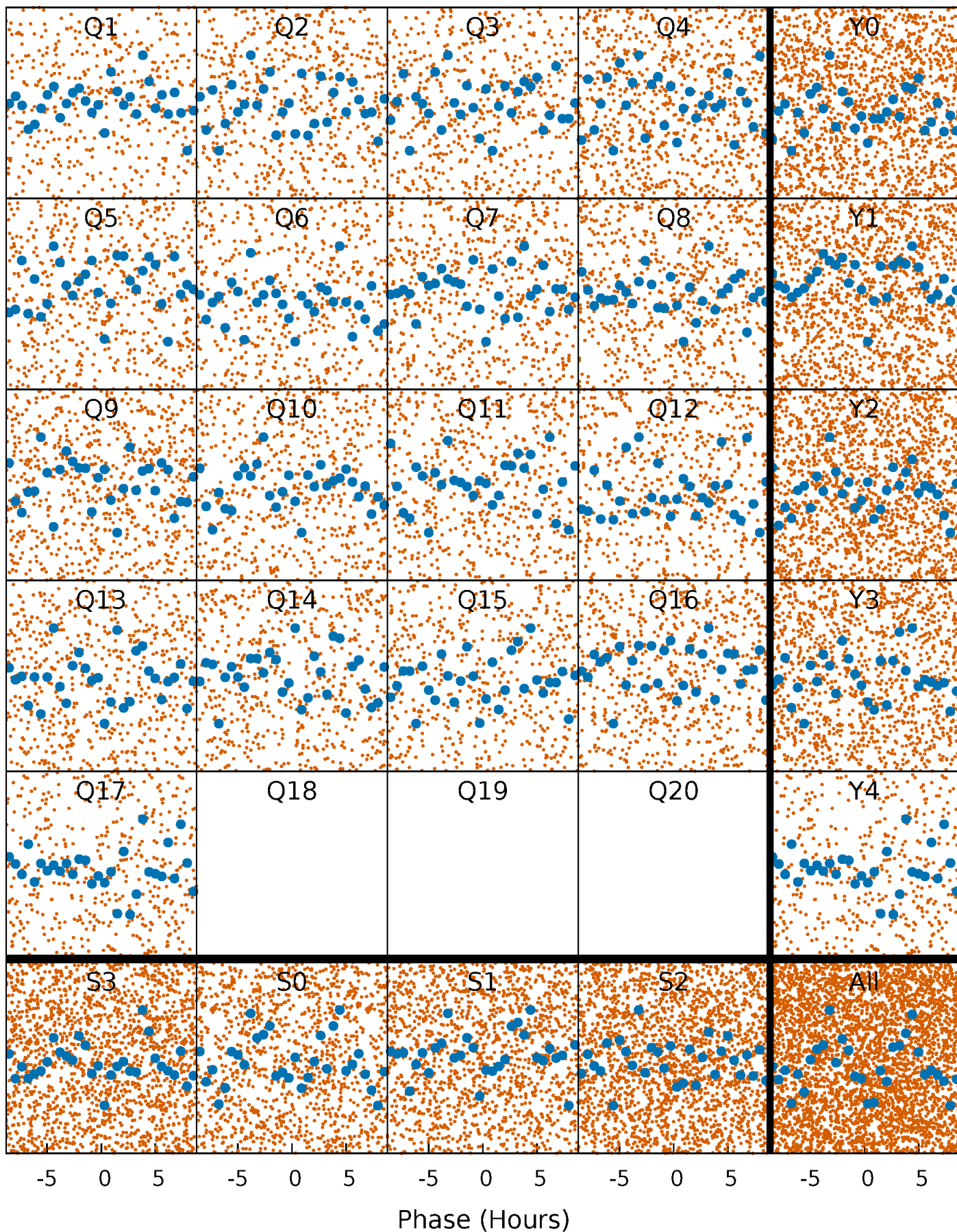


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



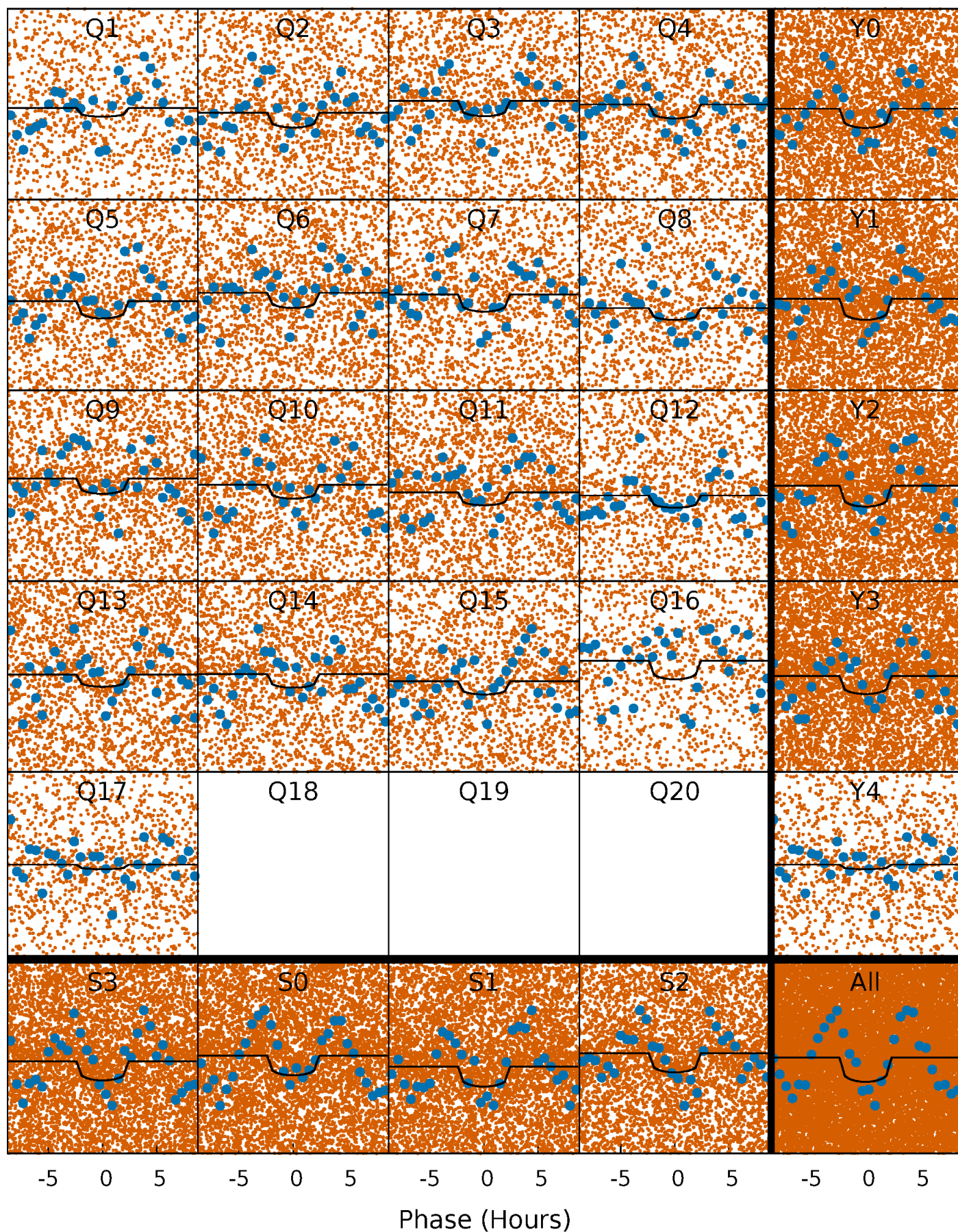
PDC Quarter-Phased Transit Curves

TCE 009265050-01 P= 0.597298 Days $T_0=131.663638$ (BKJD)



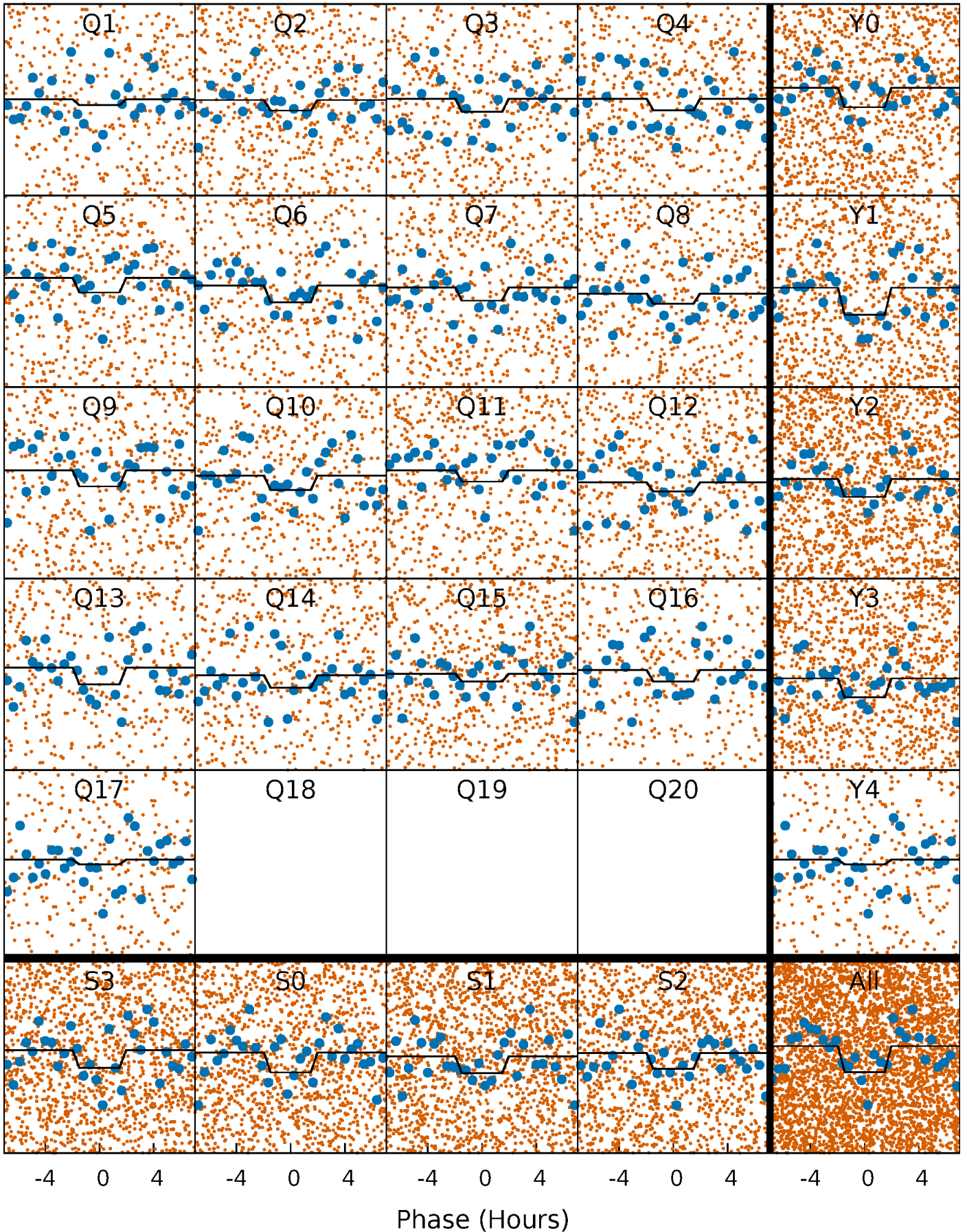
DV Quarter-Phased Transit Curves

TCE 009265050-01 P= 0.597298 Days $T_0=131.663638$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

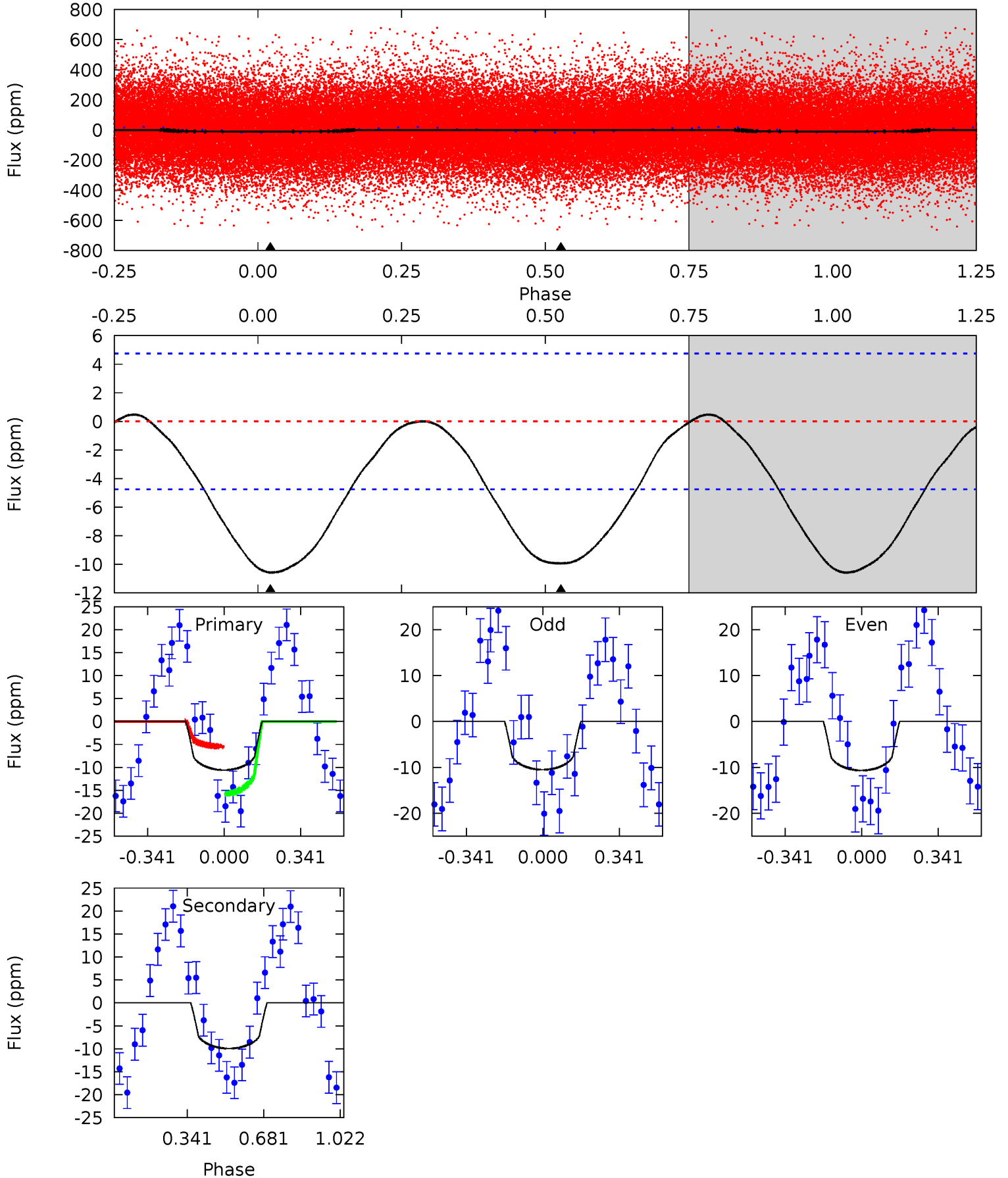
TCE 009265050-01 P= 0.597316 Days $T_0=131.672310$ (BKJD)



DV Model-Shift Uniqueness Test

009265050-01, P = 0.597298 Days, E = 131.066340 Days

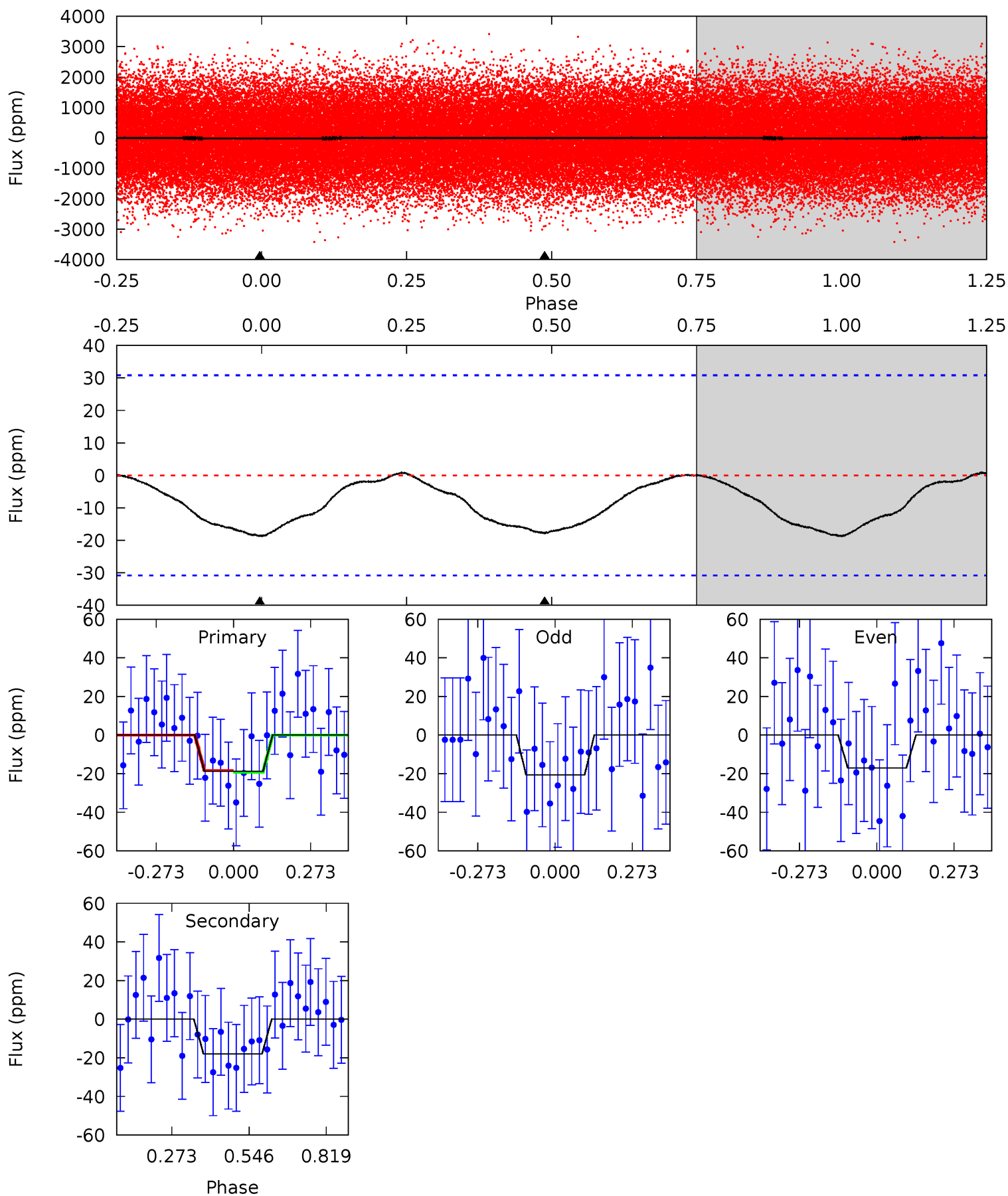
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.58	9.00	0	0	4.30	0.95	0.24	9.58	9.58	9.00	9.00	0.07	0.85	0.04	4.66



Alt Model-Shift Uniqueness Test

009265050-01, P = 0.597316 Days, E = 131.074994 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.65	2.54	0	0	4.35	1.10	0.05	2.65	2.65	2.54	2.54	0.25	0.97	0.05	0.06



Stellar Parameters For KIC 009265050

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	8515^{+235}_{-370}	$4.074^{+0.165}_{-0.135}$	$0.070^{+0.150}_{-0.550}$	$2.157^{+0.444}_{-0.593}$	$2.012^{+0.303}_{-0.493}$	$0.282^{+0.276}_{-0.102}$
	+3%/-4%	+4%/-3%	+214%/-786%	+21%/-27%	+15%/-25%	+98%/-36%
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 009265050-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-10 ± 1	$1.02^{+0.90}_{-0.68}$	5781^{+408}_{-405}	6614^{+8612}_{-2442}	$1.604^{+13.026}_{-1.130}$
Alt.	-18 ± 7	$1.19^{+0.92}_{-0.77}$	5813^{+373}_{-417}	7188^{+8410}_{-2499}	$2.020^{+13.188}_{-1.437}$

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

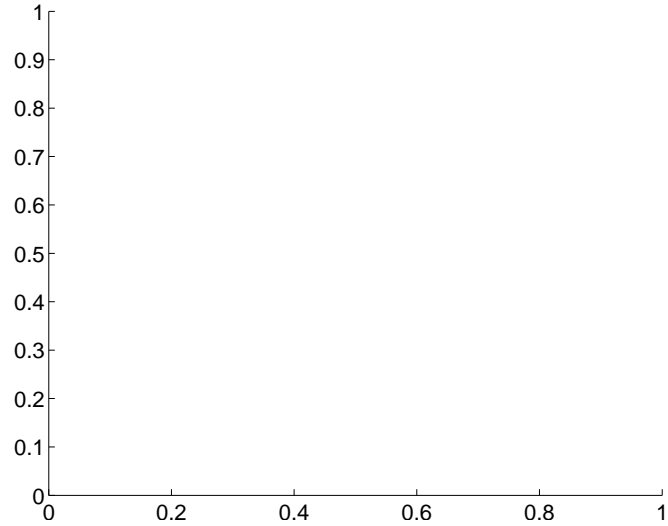
Supplemental centroid analysis for 009265050-01. Kepler magnitude: 13.47. Transit SNR 7.38

There are 0 quarters with good PRF difference image offsets

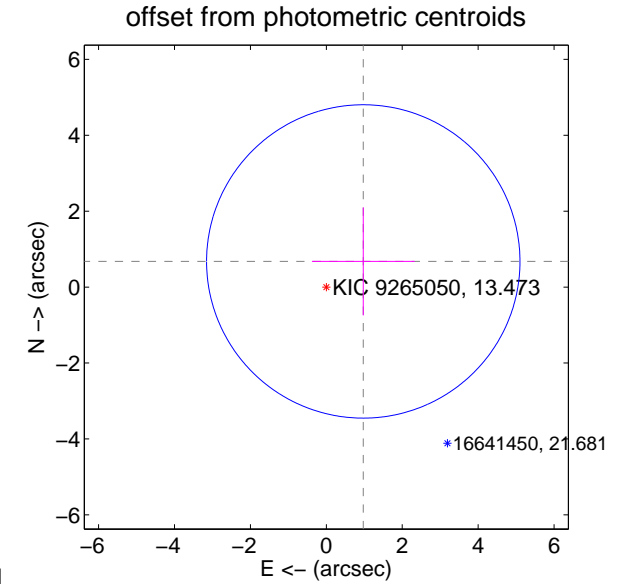
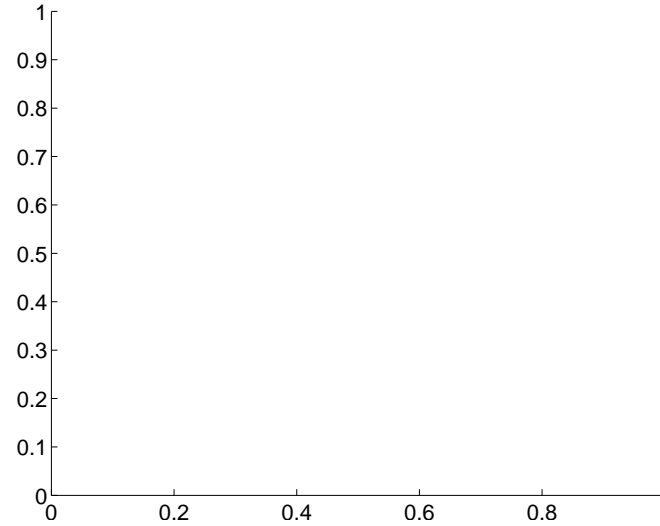
The direct PRF centroid is offset from the target star catalog position by about NaN arcsec

	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	1.19 ± 1.38	0.86	-0.97 ± 1.35	0.68 ± 1.42

There is no PRF-fit offset from OOT-fit

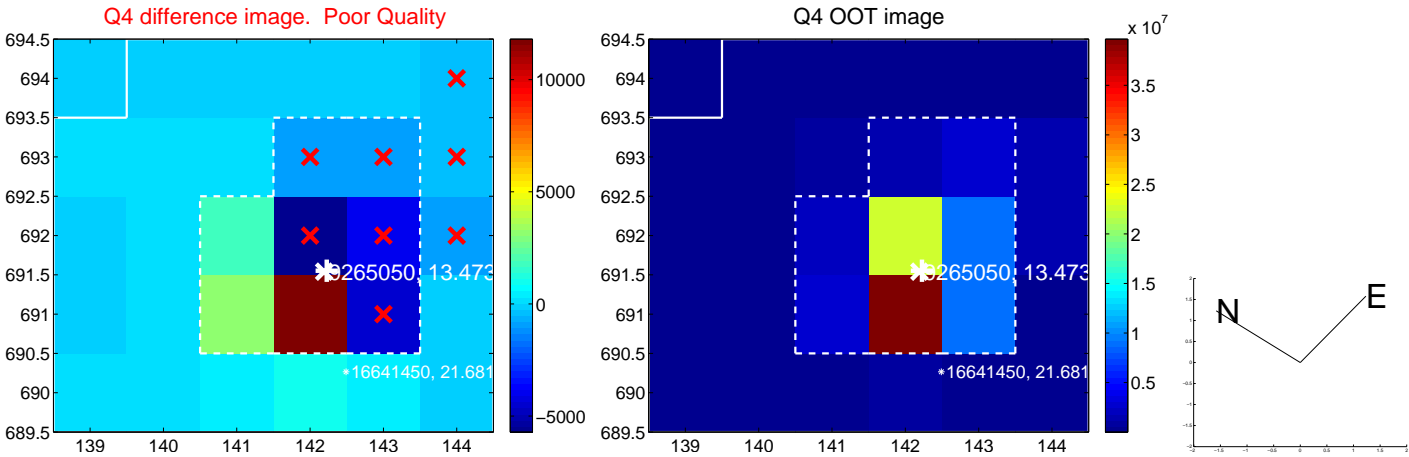
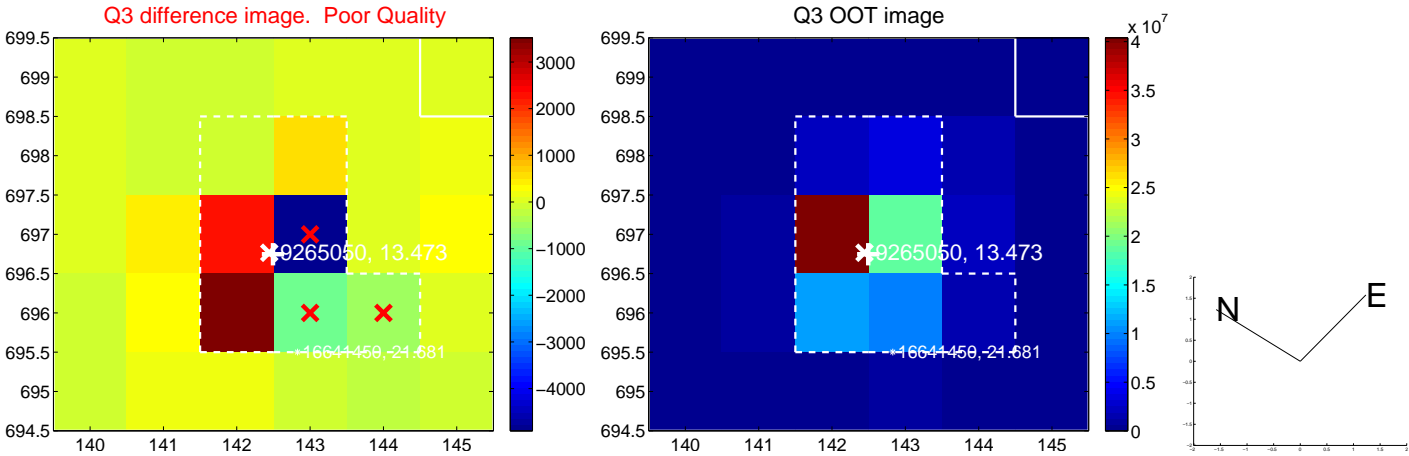
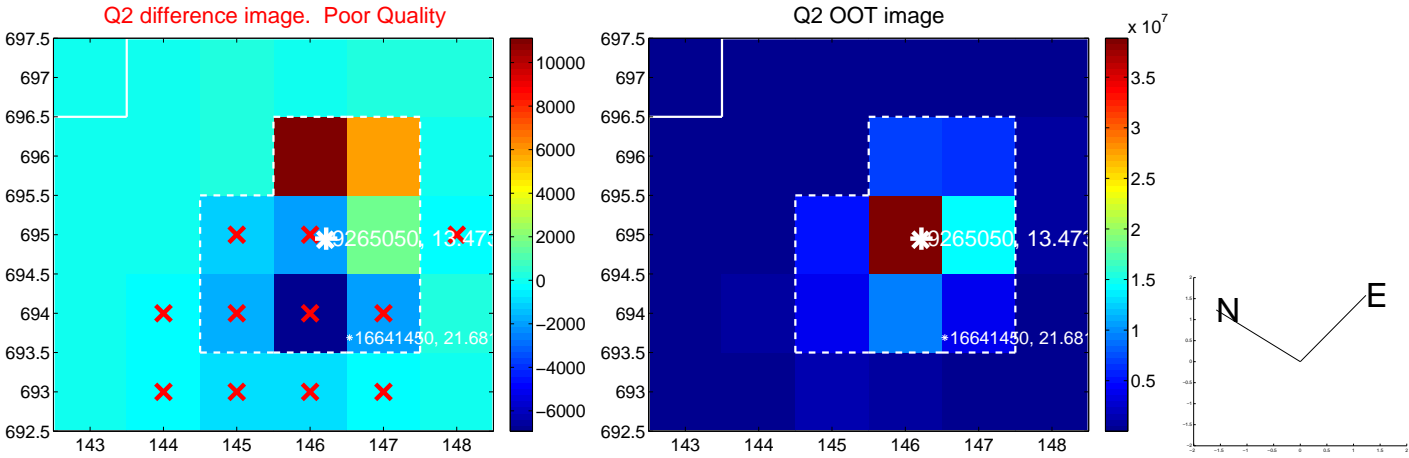
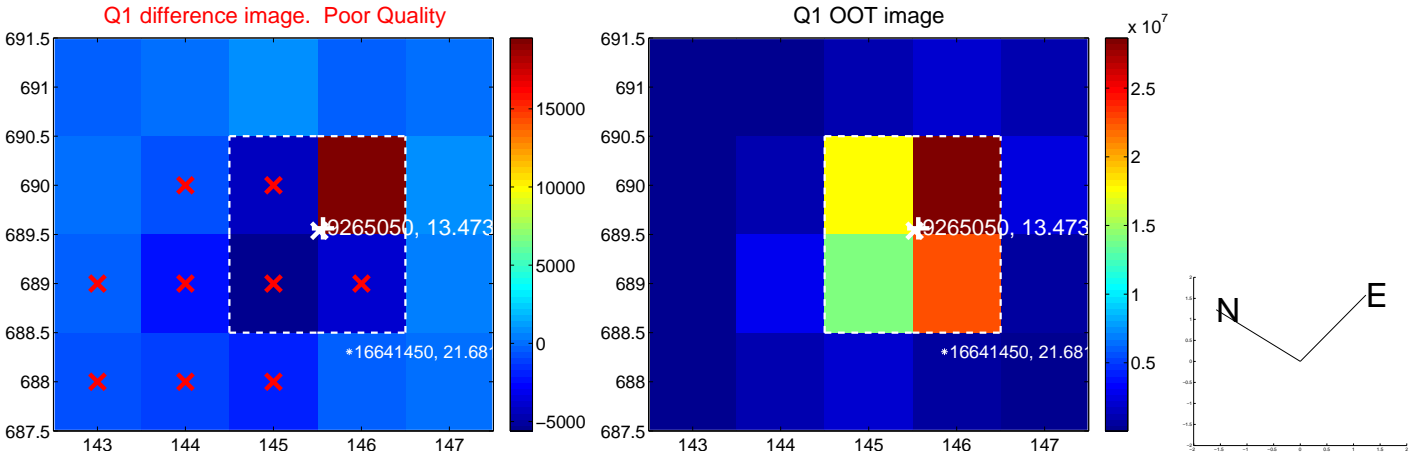


There is no PRF-fit offset from KIC

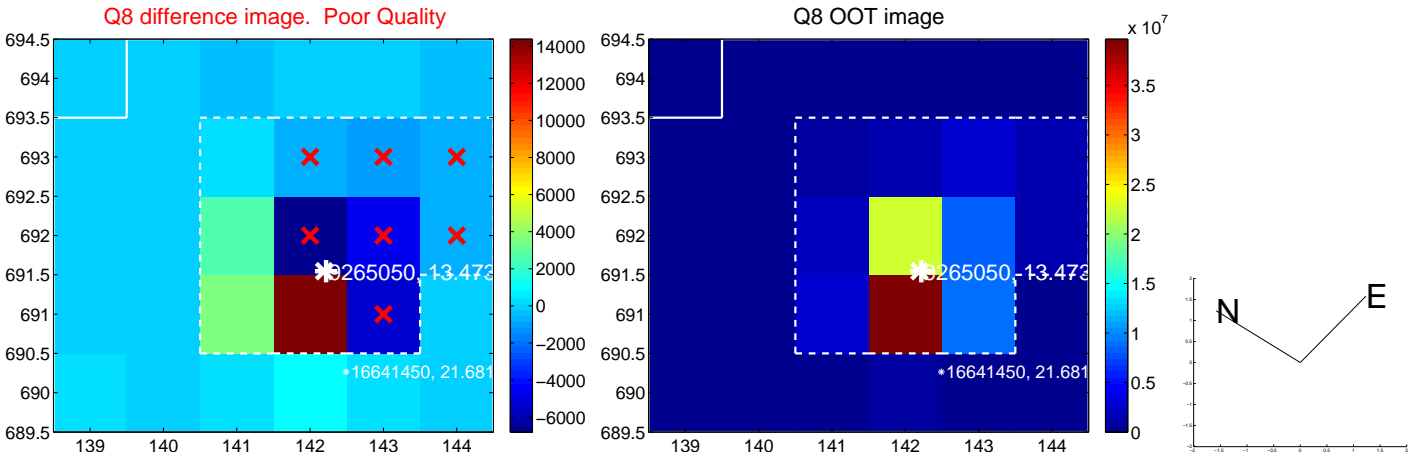
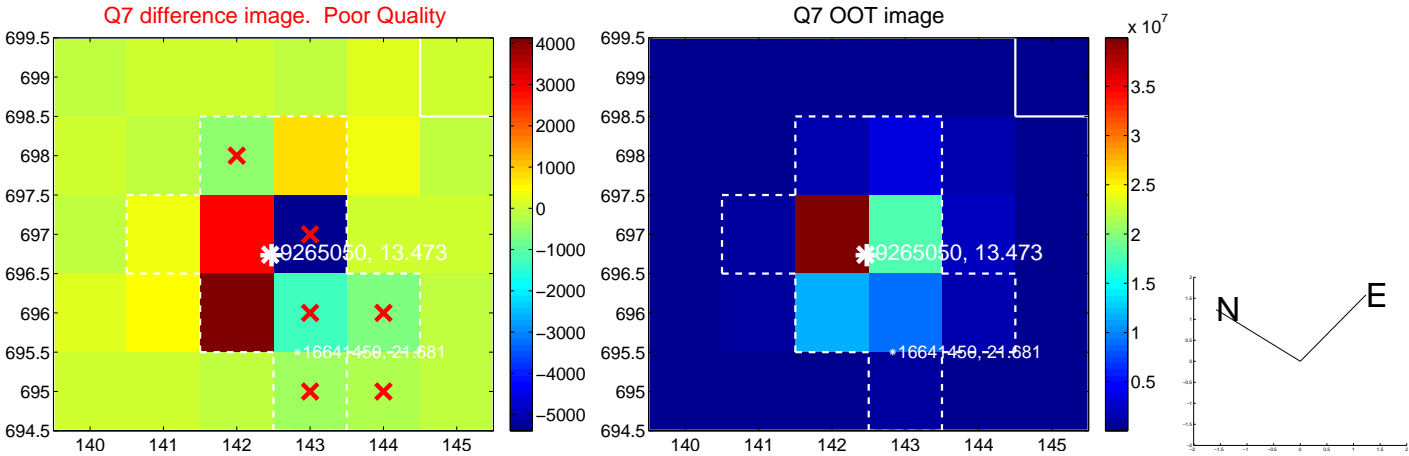
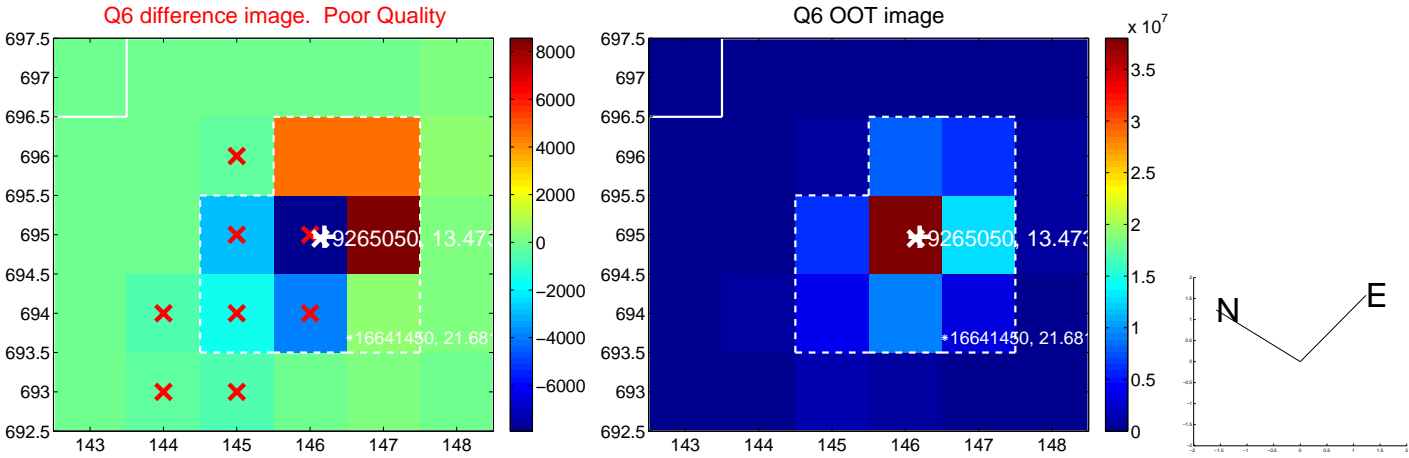
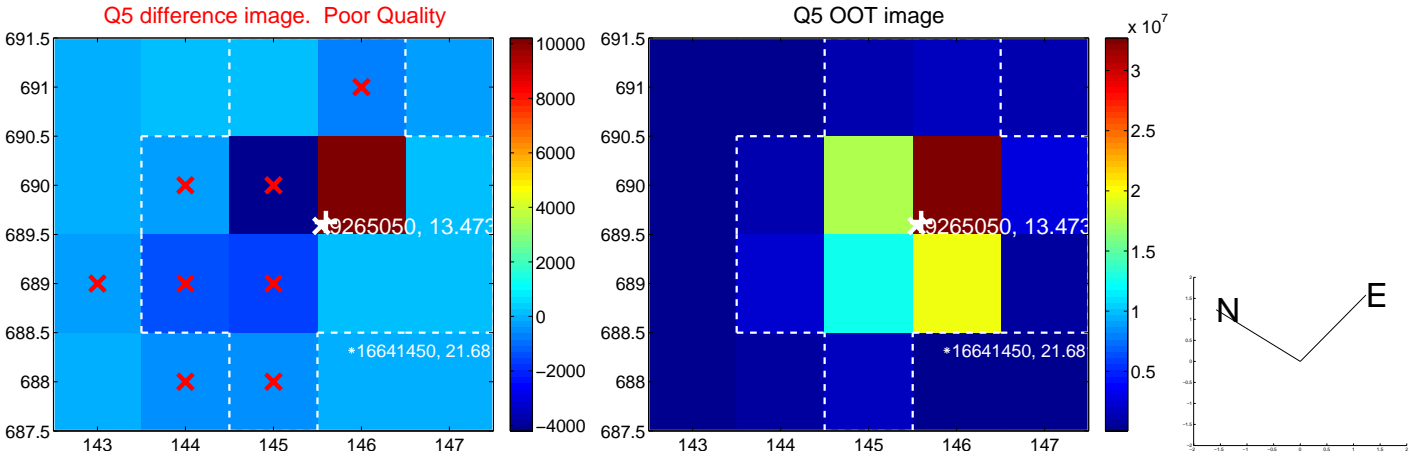


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

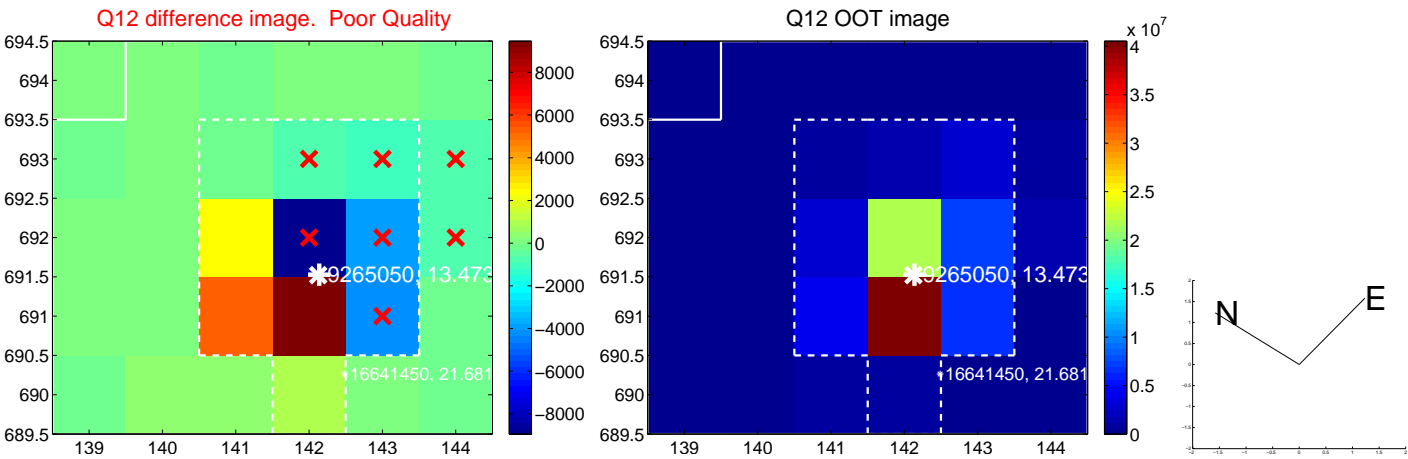
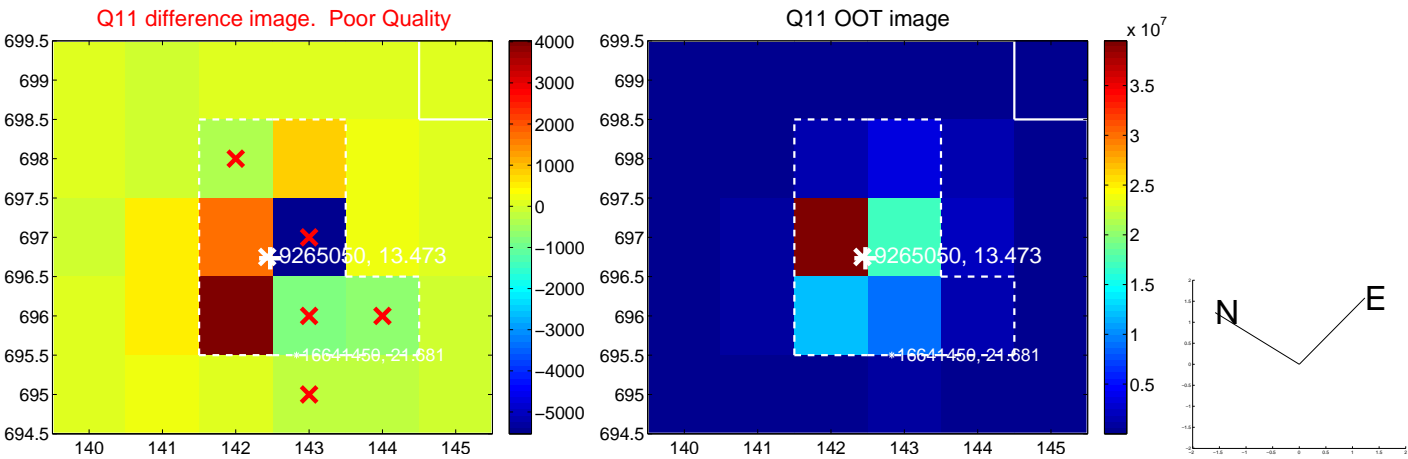
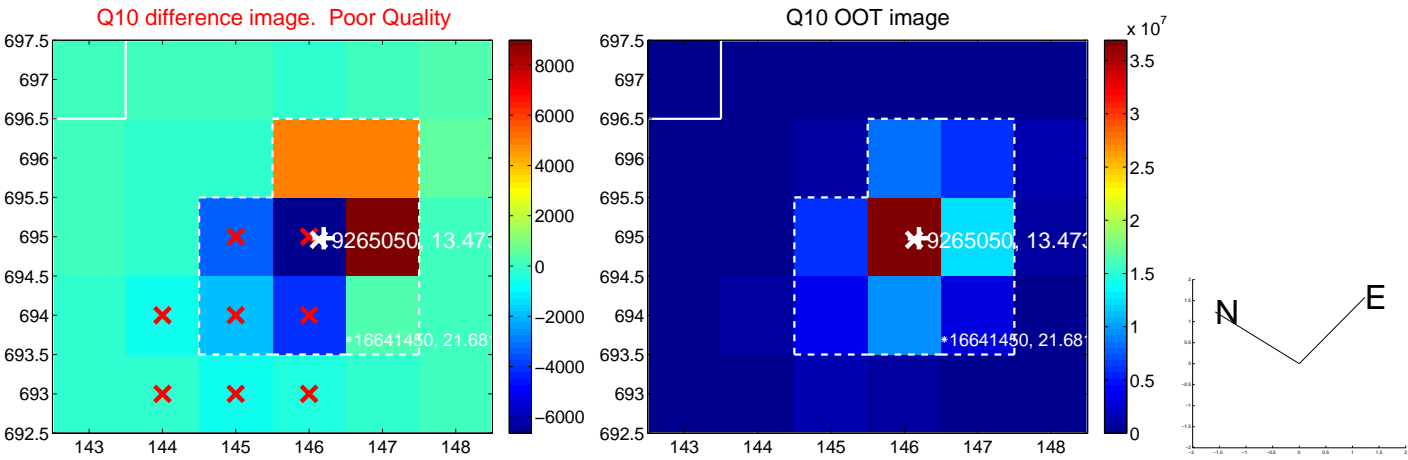
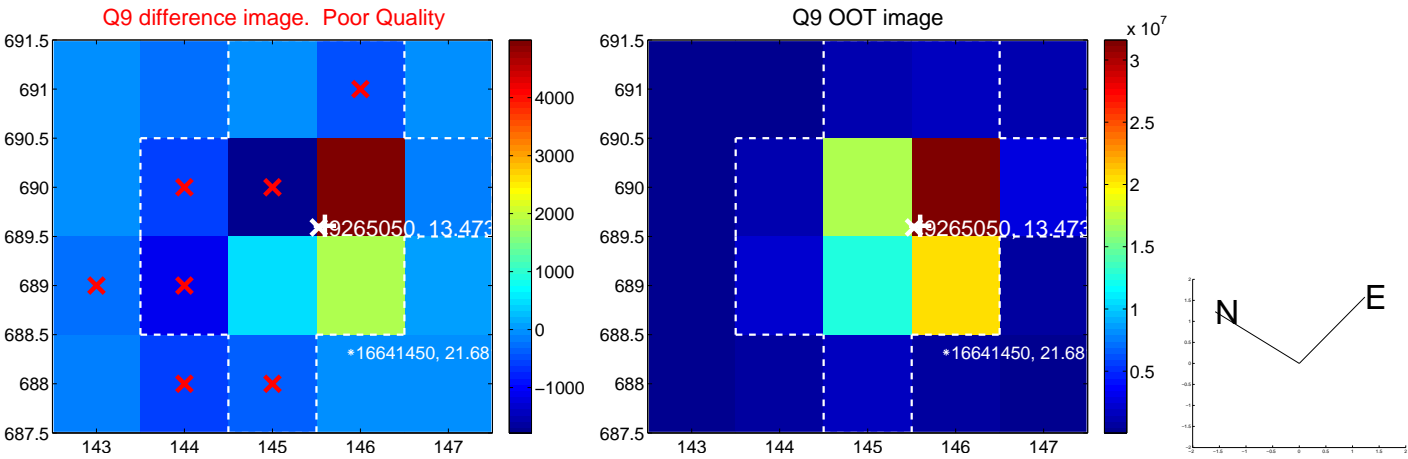
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



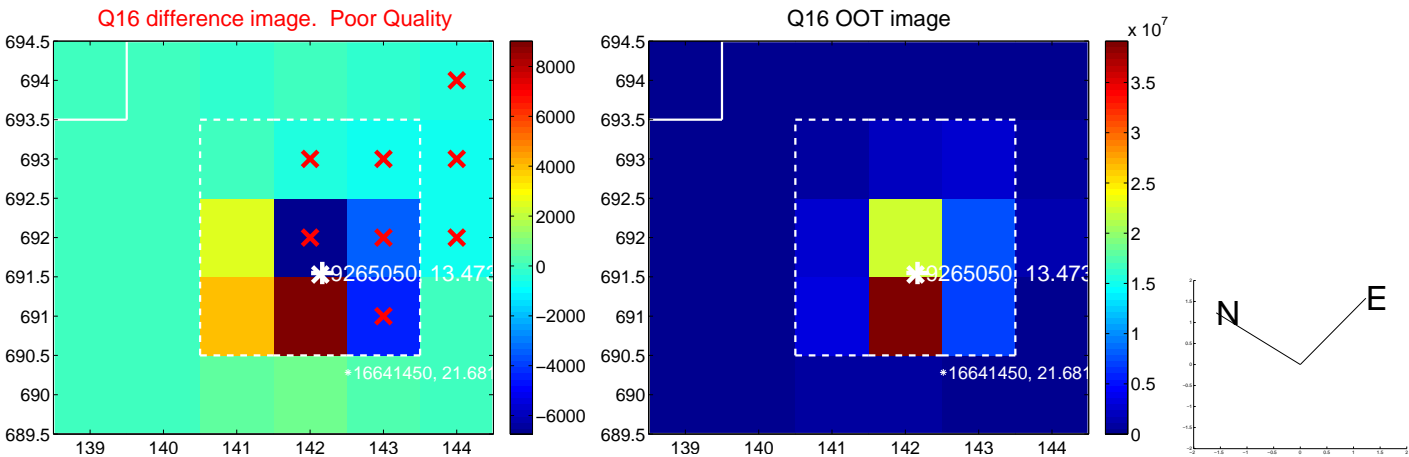
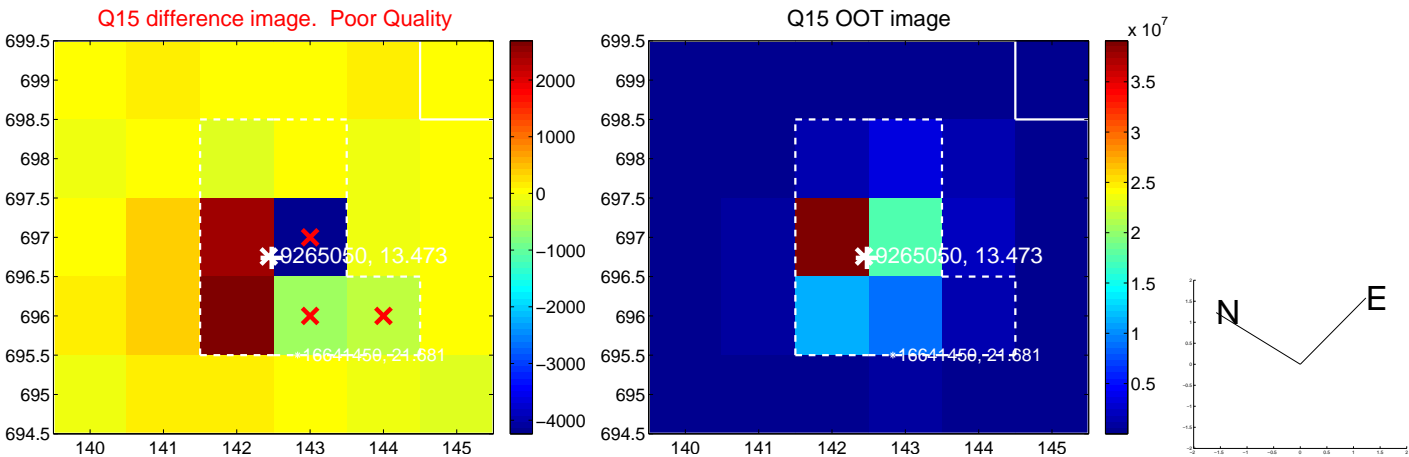
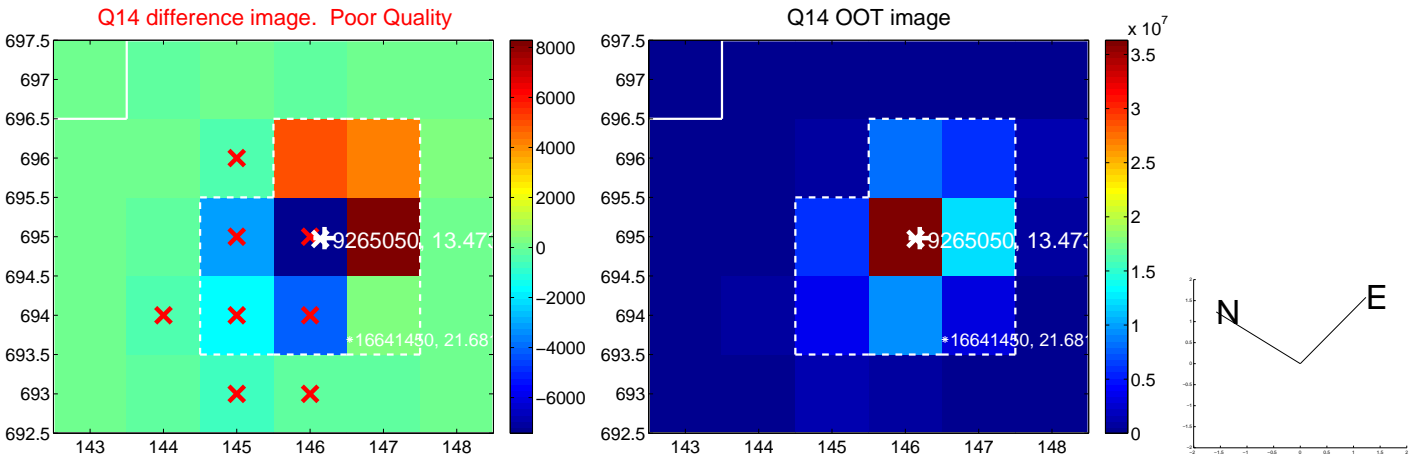
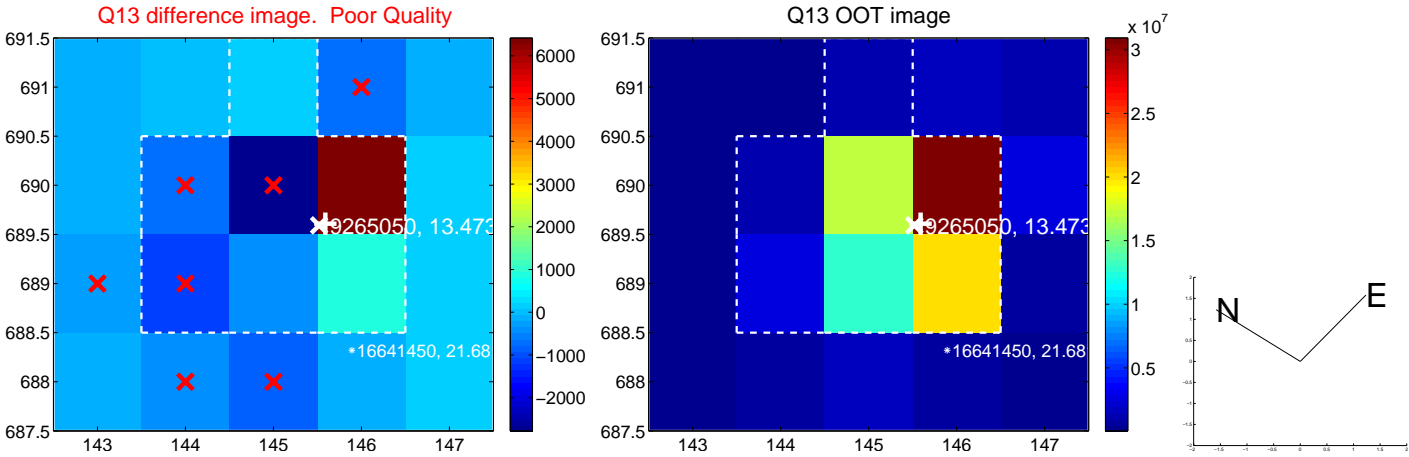
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



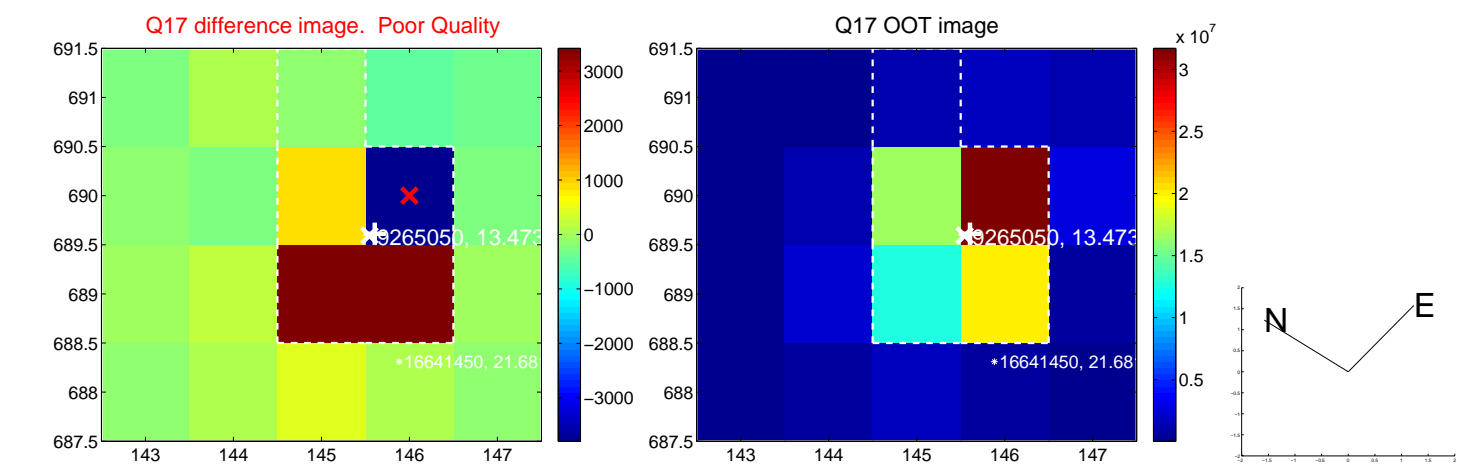
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



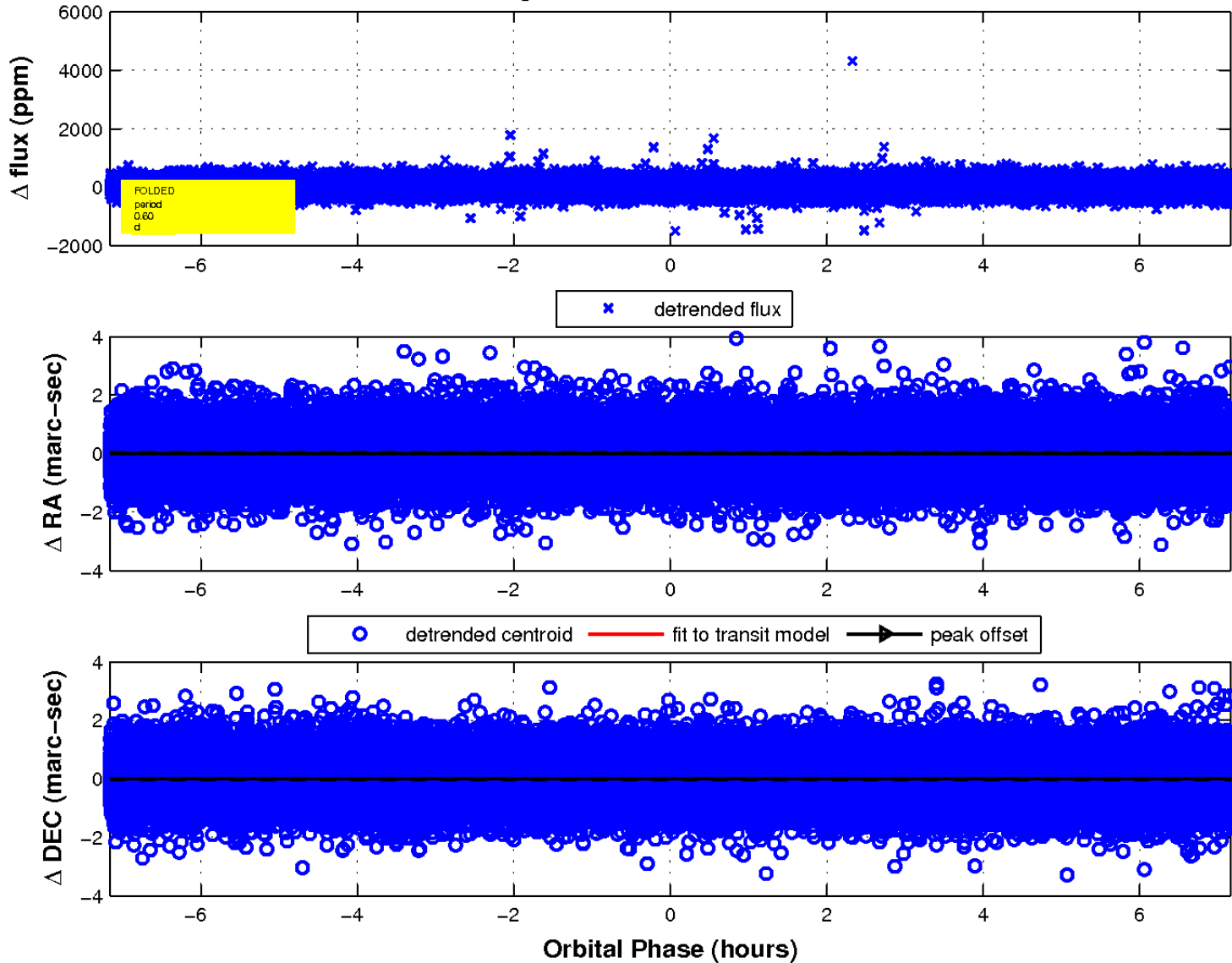
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

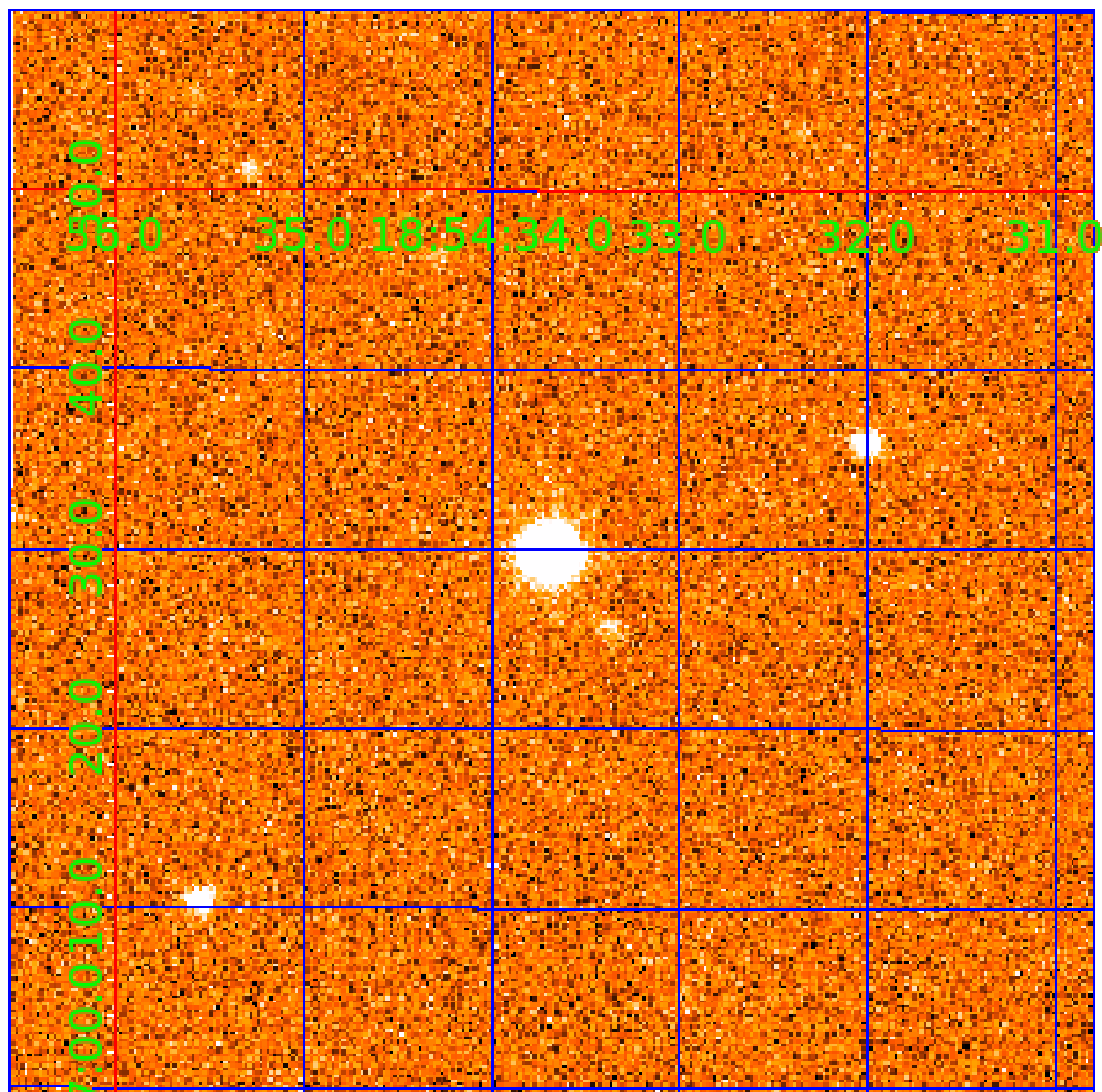


fluxWeightedCentroids, Planet 1 of 3



UKIRT Image

Declination



KIC 009265050

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})
009265050-01	OBS	No	0.597298	131.663638	10.5	4.405	10.0	7.4	2.16	8515	0.71	71331.06
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Robovetter Results

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009265050-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
009265050-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_TRACKER—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV

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

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

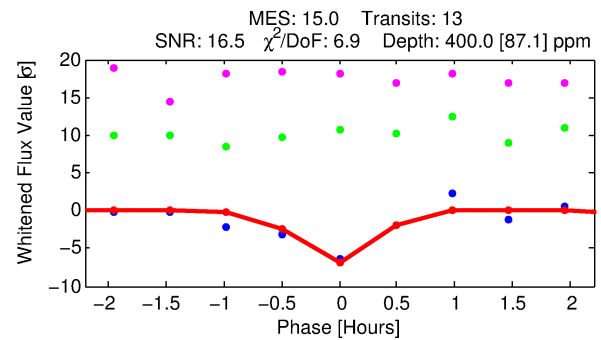
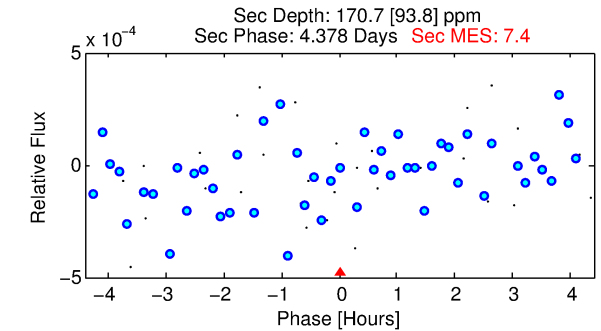
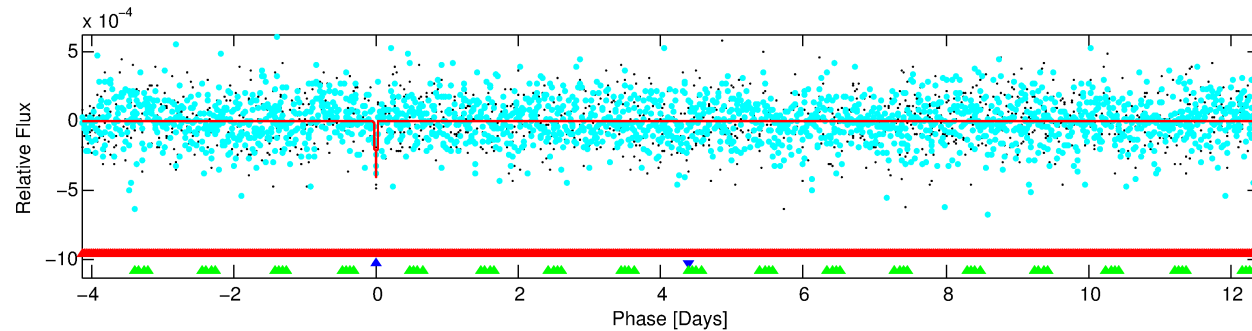
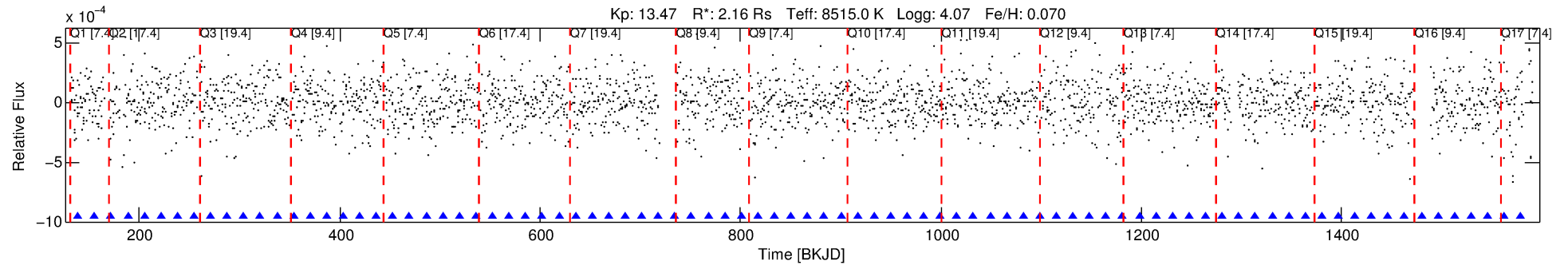
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 009265050-02

No Significant Match Found

DV One-Page Summary

KIC: 9265050 Candidate: 2 of 3 Period: 16.551 d

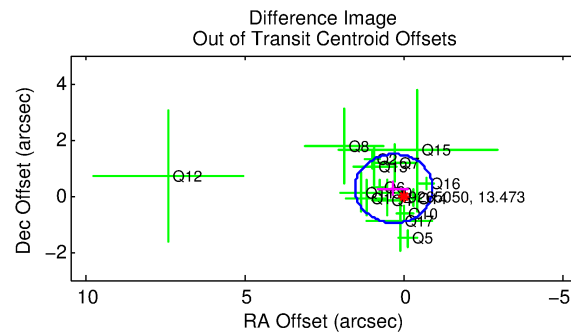
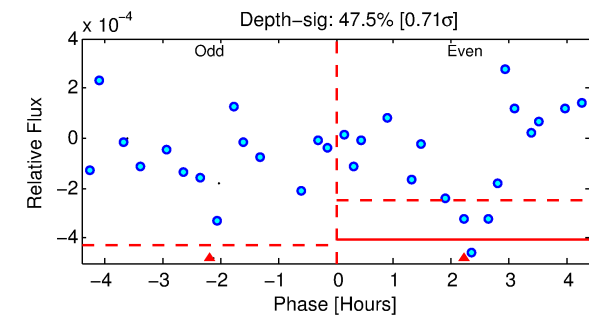
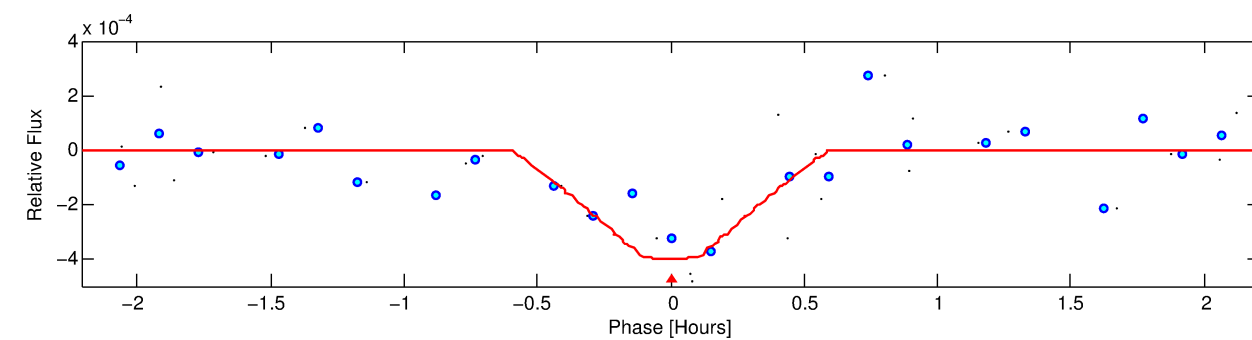


DV Fit Results:

Period = 16.55100 [0.00015] d
Epoch = 138.8873 [0.0064] BKJD
Rp/R* = 0.0196 [0.0189]
a/R* = 140.84 [798.57]
b = 0.61 [6.06]
Seff = 850.68 [304.30]
Teq = 1377 [123] K
Rp = 4.62 [4.63] Re
a = 0.1605 [0.0358] AU
Ag = 113.46 [230.11] [0.49σ]
Teffp = 6949 [3494] K [1.59σ]

DV Diagnostic Results:

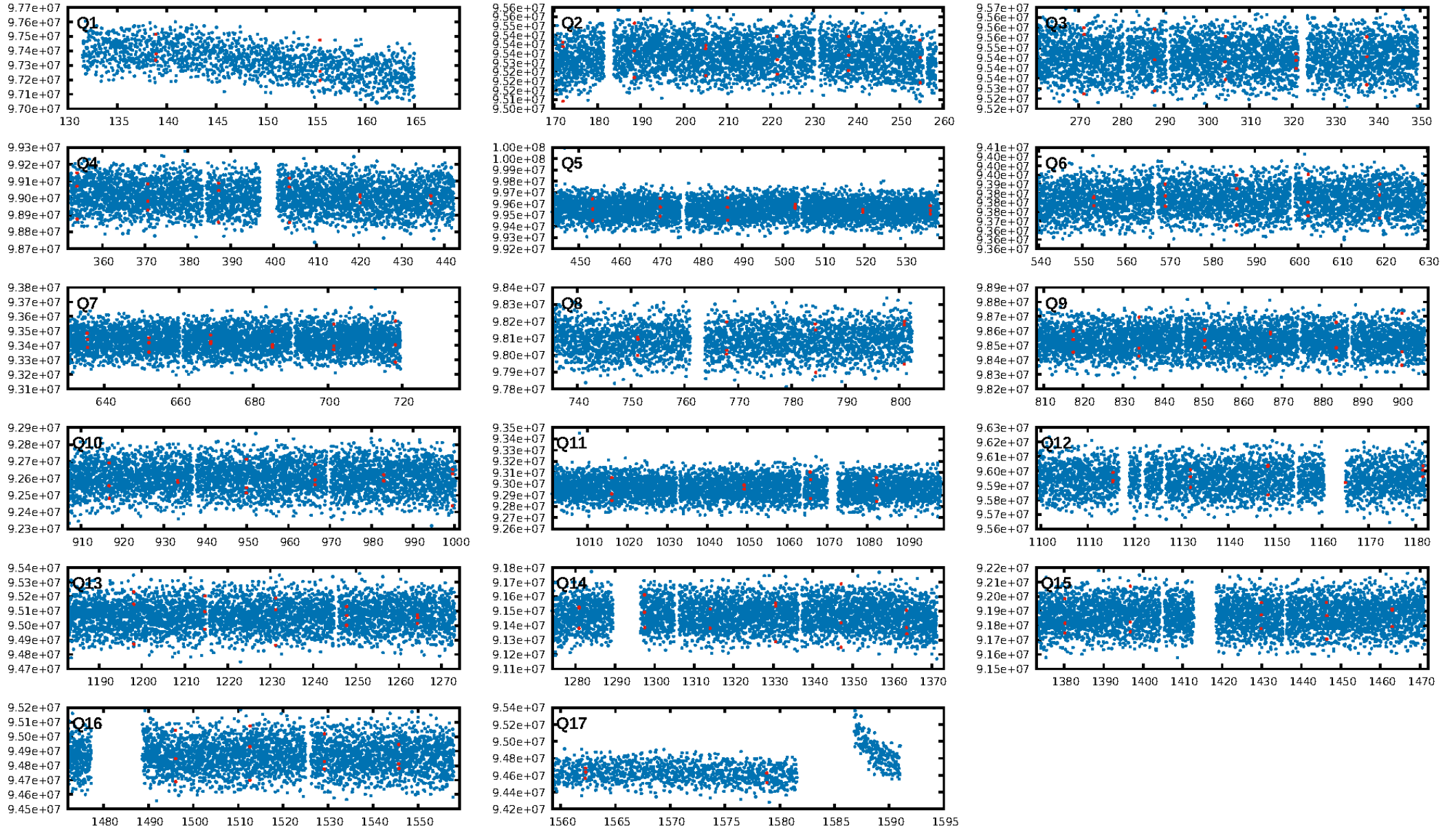
ShortPeriod-sig: 100.0% [85.73σ]
LongPeriod-sig: 100.0% [111.99σ]
ModelChiSquare2-sig: 0.0%
ModelChiSquareGof-sig: 0.2%
Bootstrap-pfa: 5.38e-15
RollingBand-fgt: 1.00 [13/13]
GhostDiagnostic-chr: -0.3676
Centroid-sig: 37.0%
Centroid-so: 0.522 arcsec [1.11σ]
OotOffset-rm: 0.419 arcsec [1.03σ]
OotOffset-st: 4/3/4/5 [16]
KicOffset-rm: 0.553 arcsec [1.16σ]
KicOffset-st: 4/3/4/5 [16]
DiffImageQuality-fgm: 0.44 [7/16]
DiffImageOverlap-fno: 0.00 [0/17]



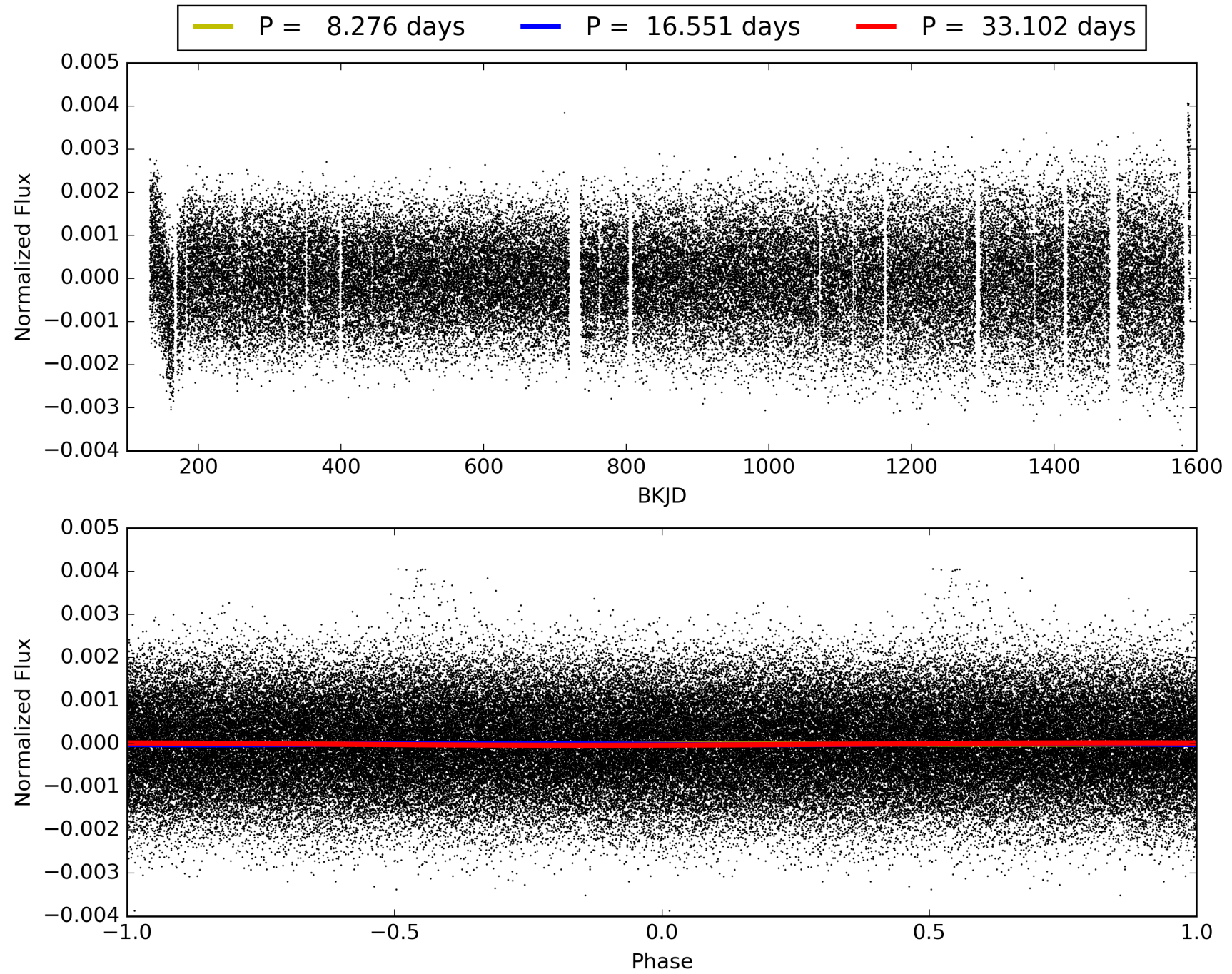
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 15:19:50 Z

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

TCE 009265050-02, PDC Light Curves

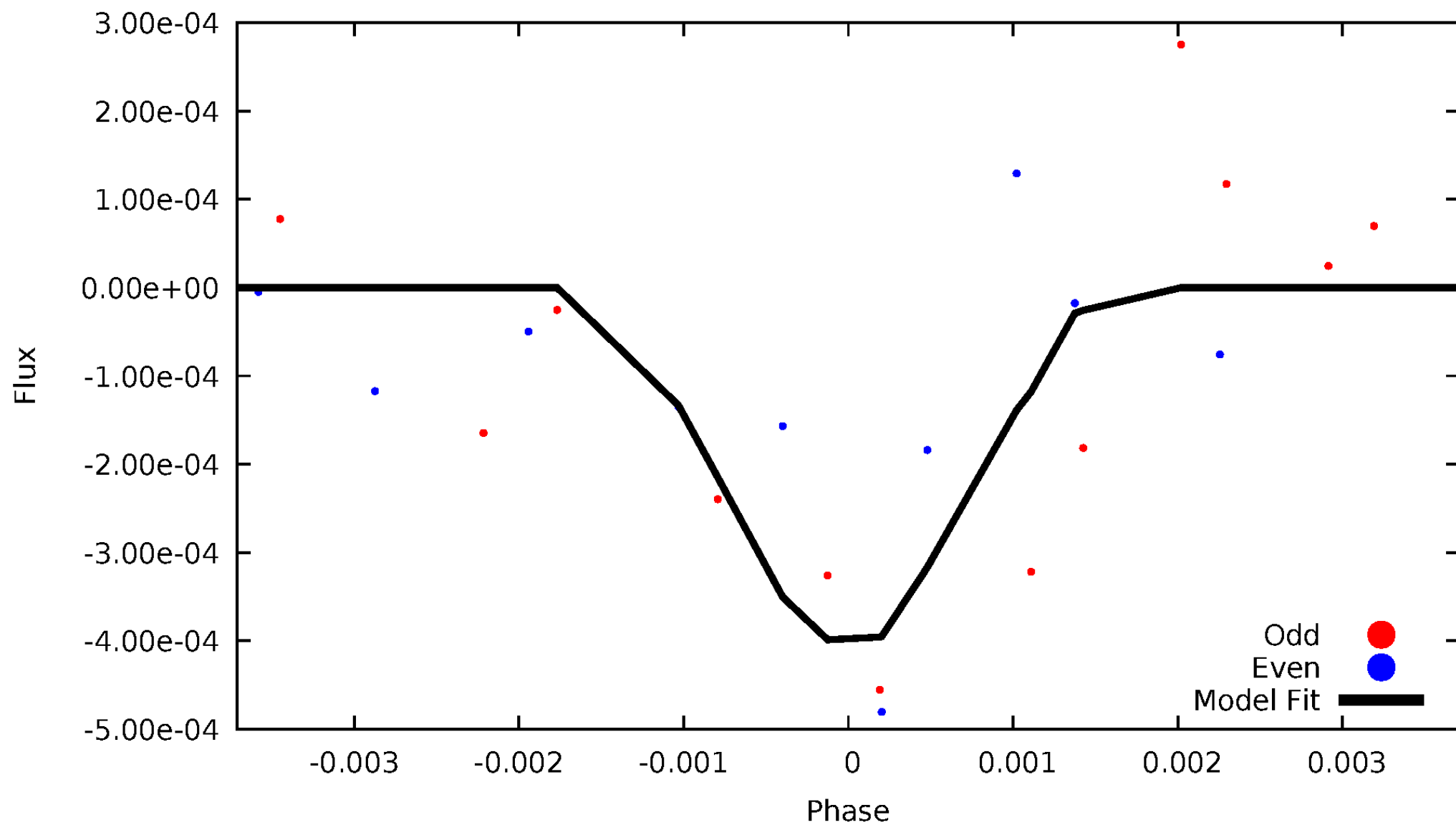


TCE 009265050-02



DV Odd/Even

TCE 009265050-02

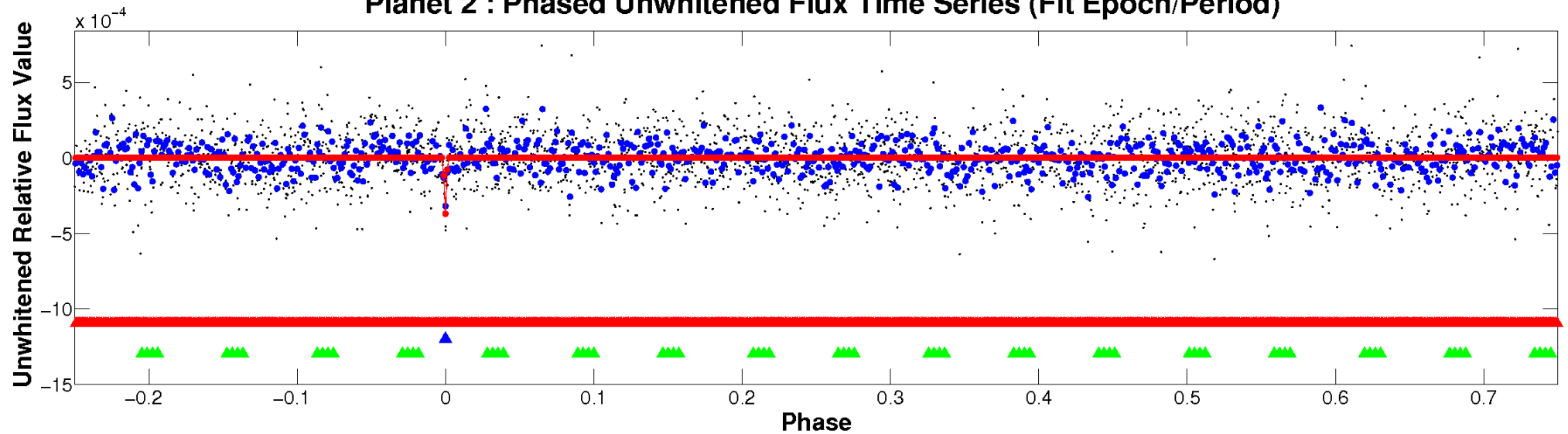


ALT Odd/Even

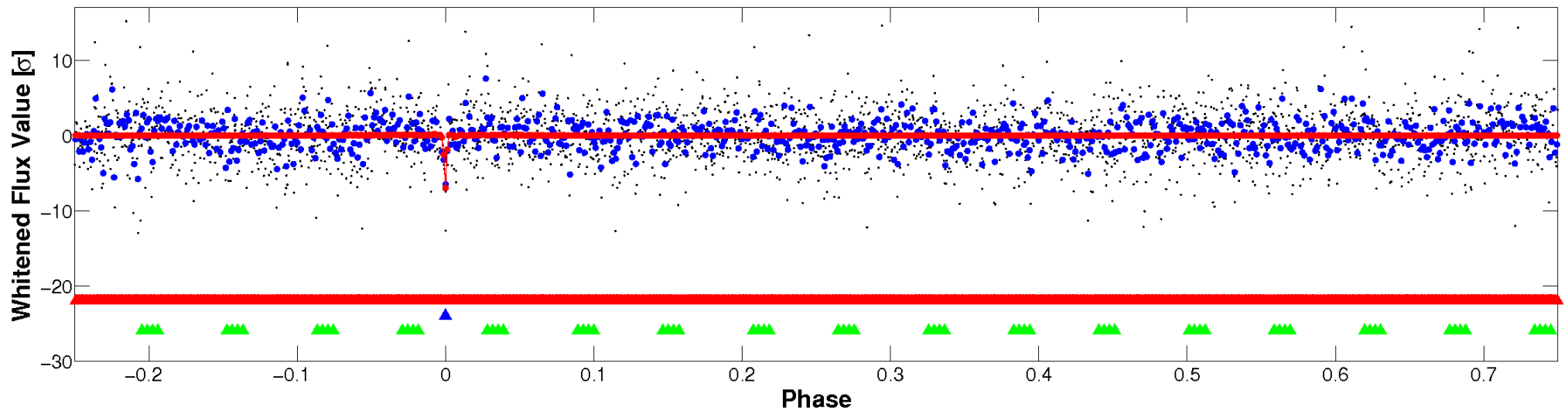
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

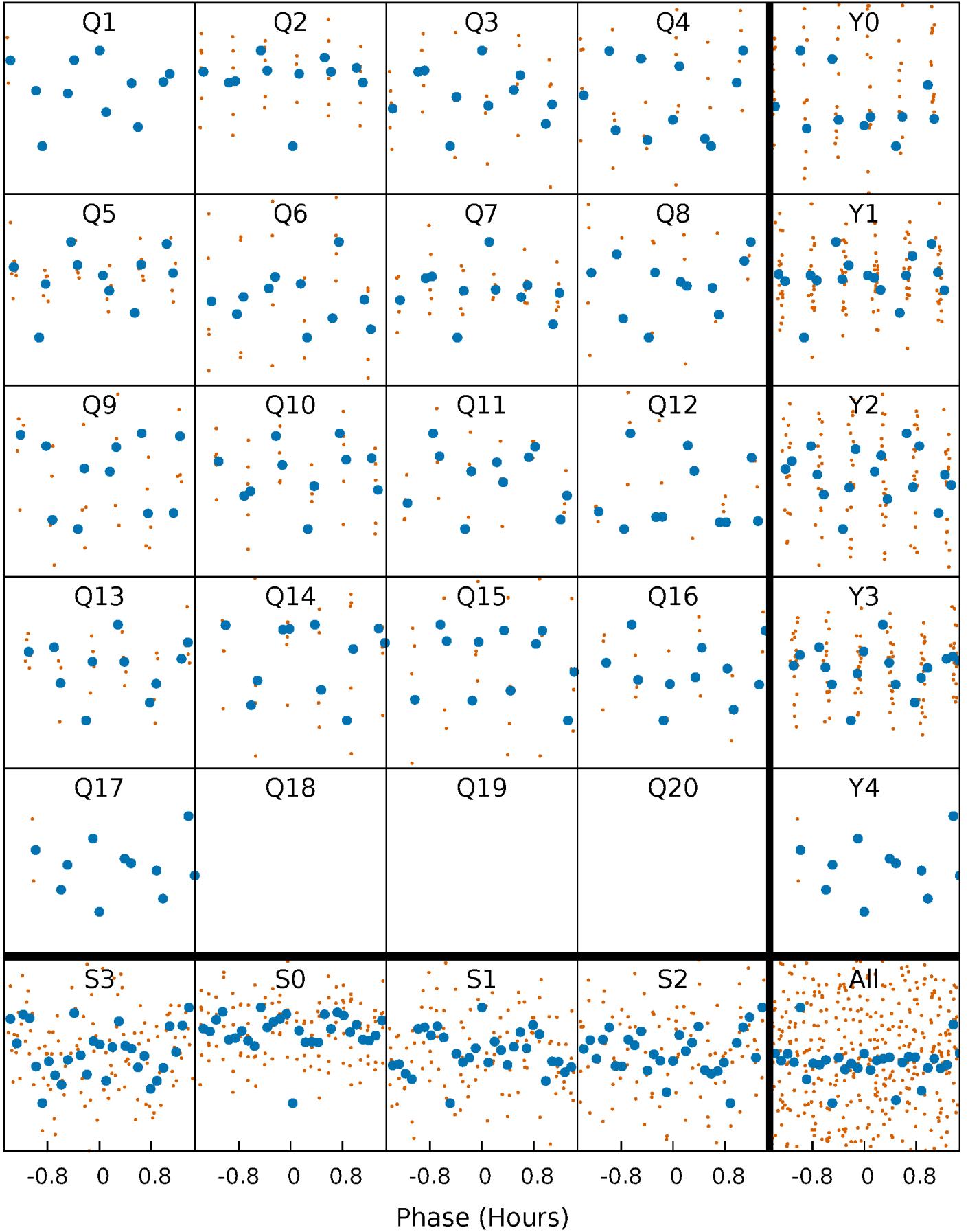


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



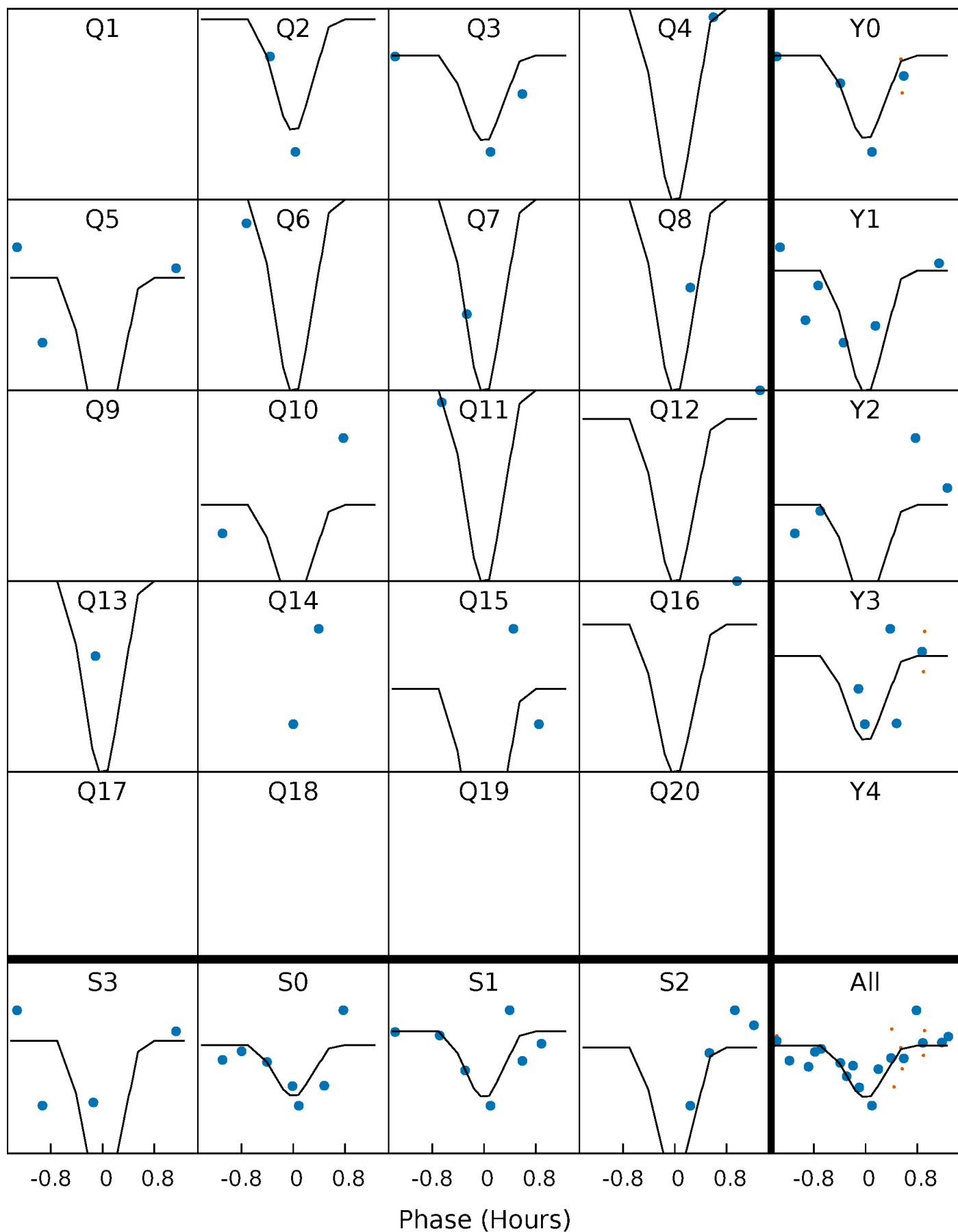
PDC Quarter-Phased Transit Curves

TCE 009265050-02 P= 16.551001 Days $T_0=138.887327$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 009265050-02 P= 16.551001 Days $T_0=138.887327$ (BKJD)

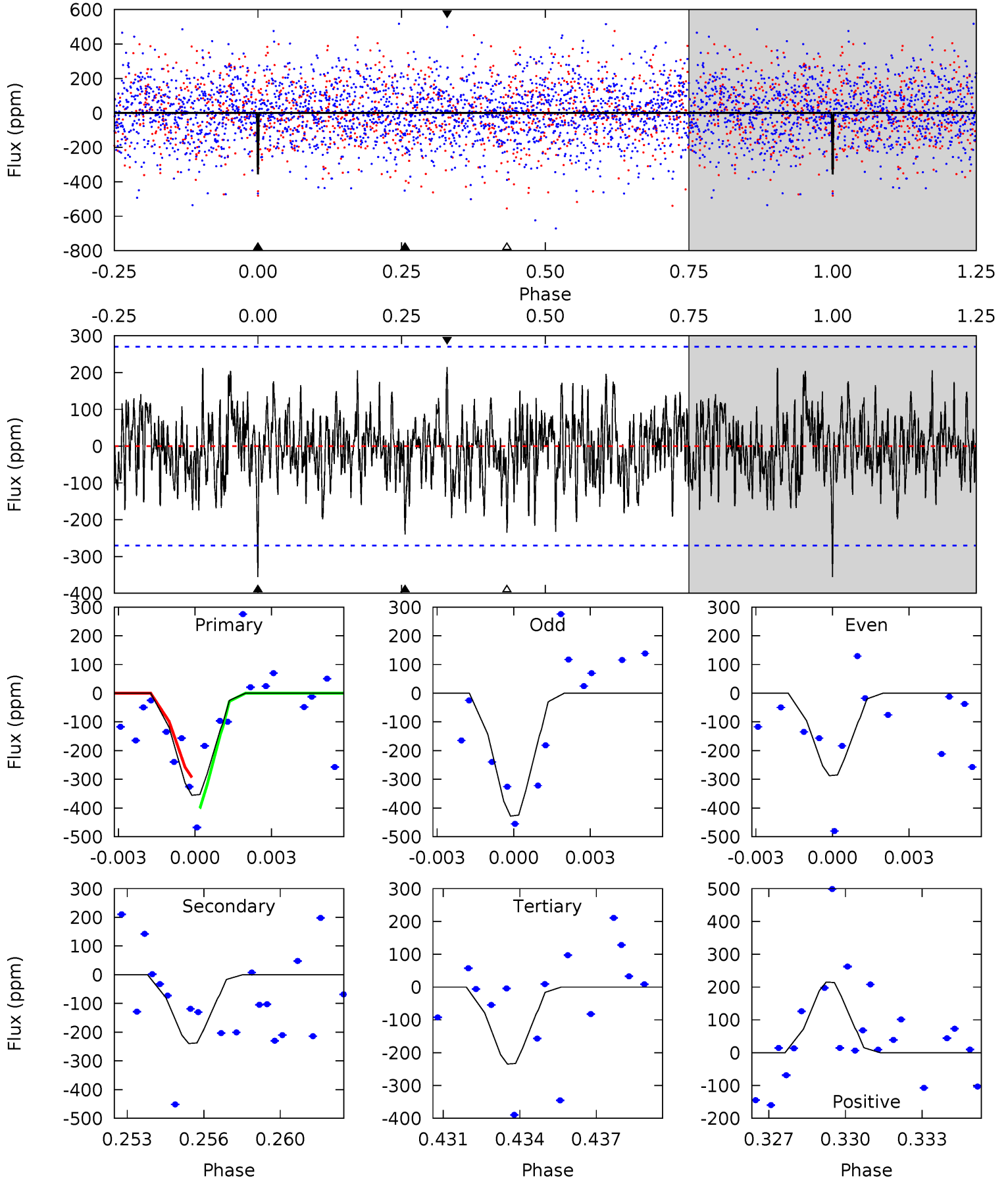


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

009265050-02, P = 16.551001 Days, E = 122.336326 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
6.91	4.65	4.56	4.18	5.25	2.96	1.47	2.35	2.73	0.09	0.47	1.38	0.95	0.38	0.96



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 009265050

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	8515^{+235}_{-370}	$4.074^{+0.165}_{-0.135}$	$0.070^{+0.150}_{-0.550}$	$2.157^{+0.444}_{-0.593}$	$2.012^{+0.303}_{-0.493}$	$0.282^{+0.276}_{-0.102}$
	+3%/-4%	+4%/-3%	+214%/-786%	+21%/-27%	+15%/-25%	+98%/-36%
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 009265050-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-240 ± 51	$5.37^{+4.22}_{-3.33}$	1911^{+131}_{-149}	6637^{+6039}_{-1644}	114^{+701}_{-81}
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 $A_{obs} \gg 1.0$

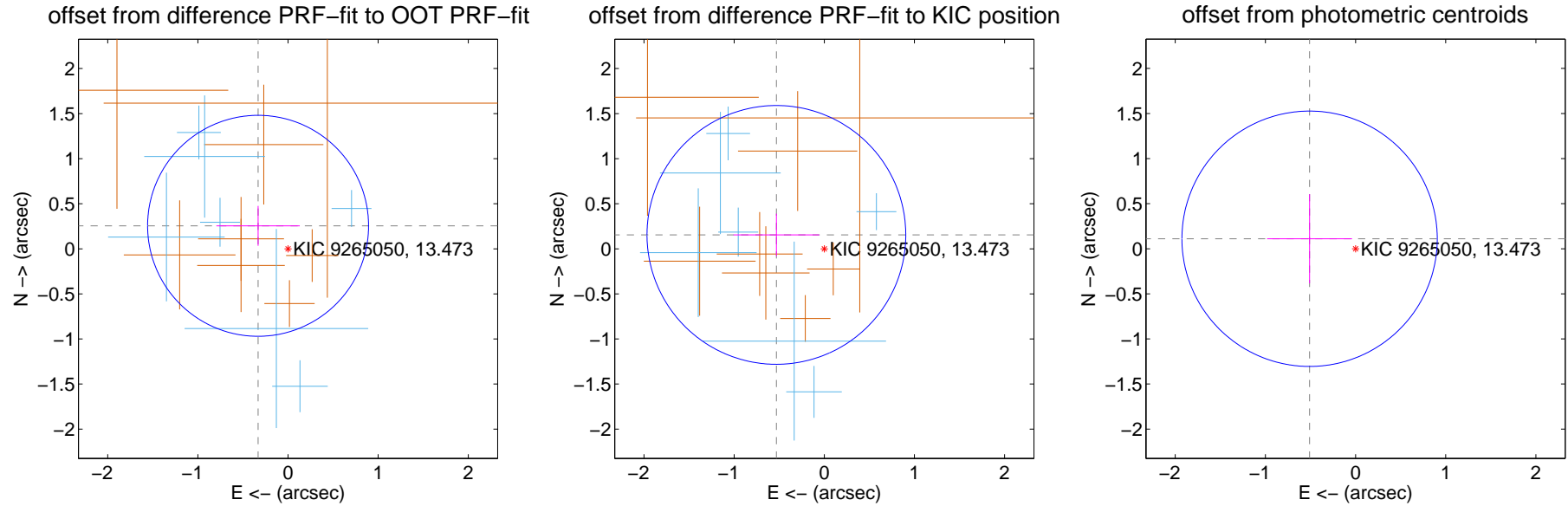
DV Centroid Data

Supplemental centroid analysis for 009265050-02. Kepler magnitude: 13.47. Transit SNR 16.47

There are 7 quarters with good PRF difference image offsets

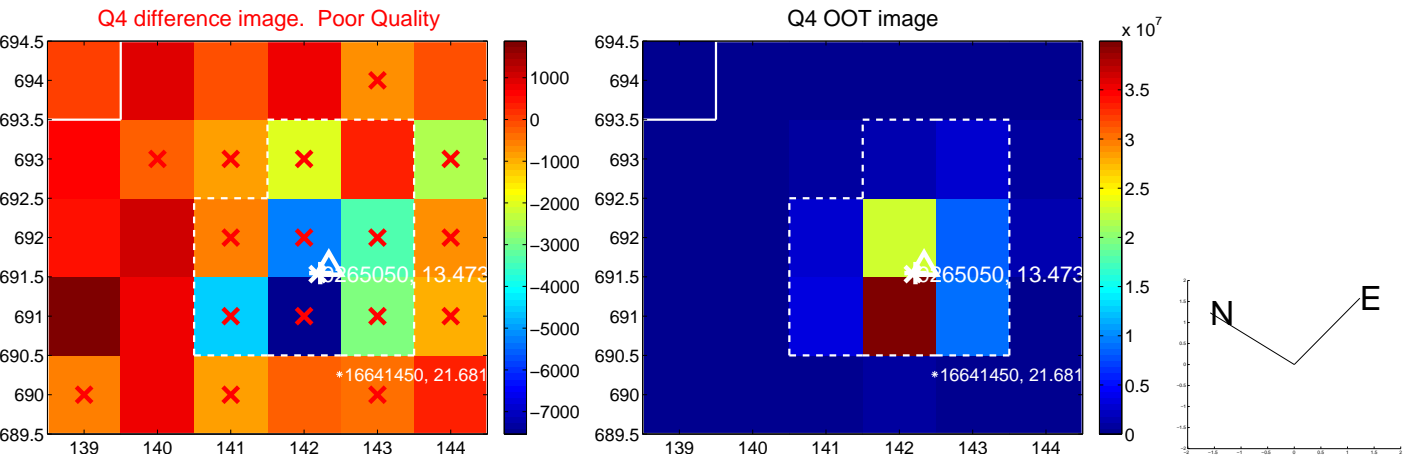
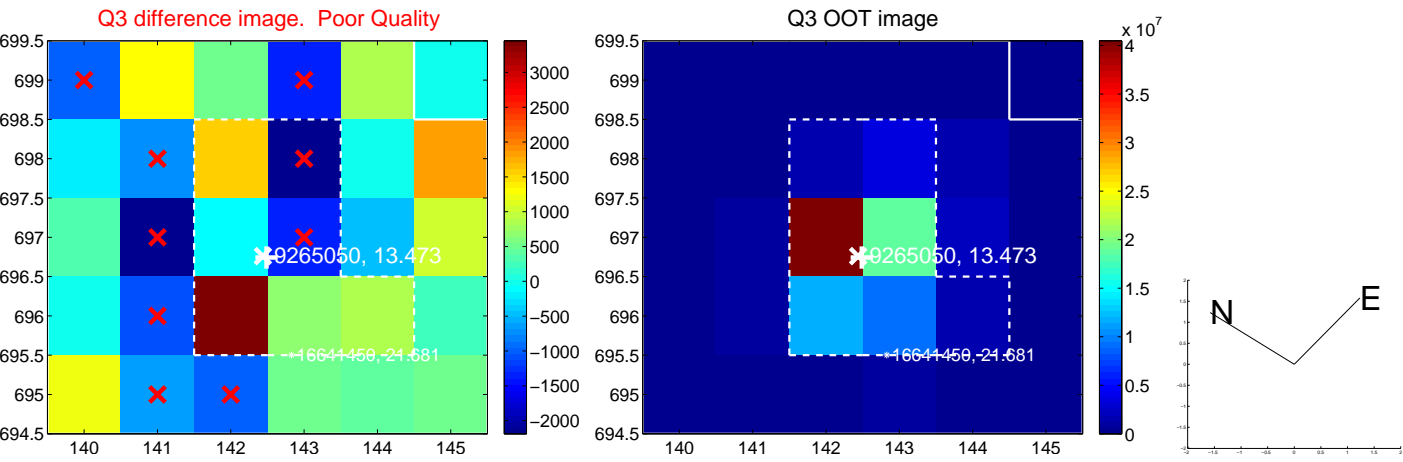
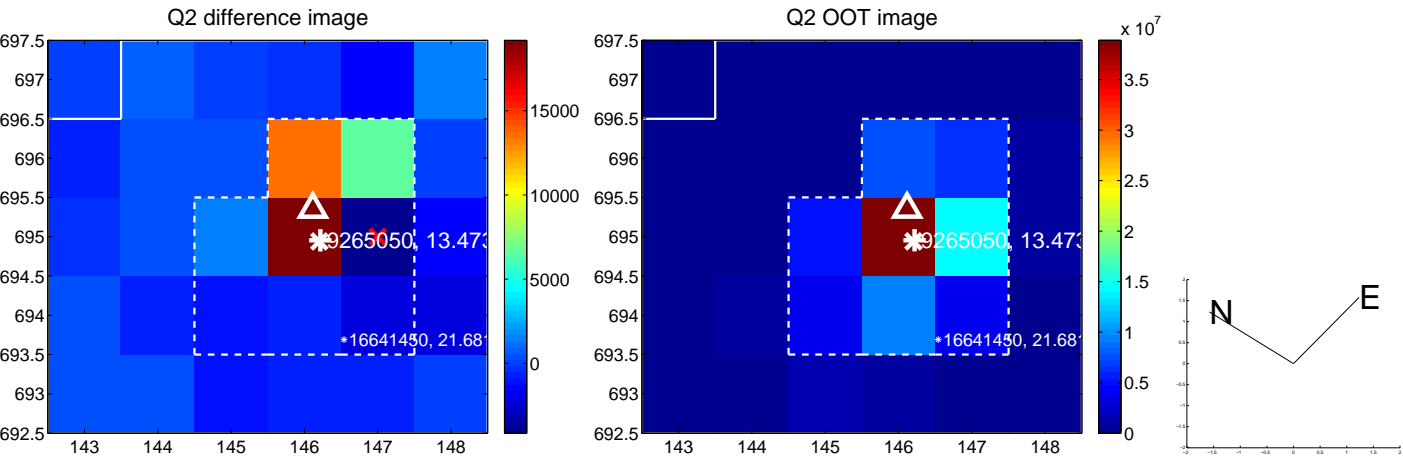
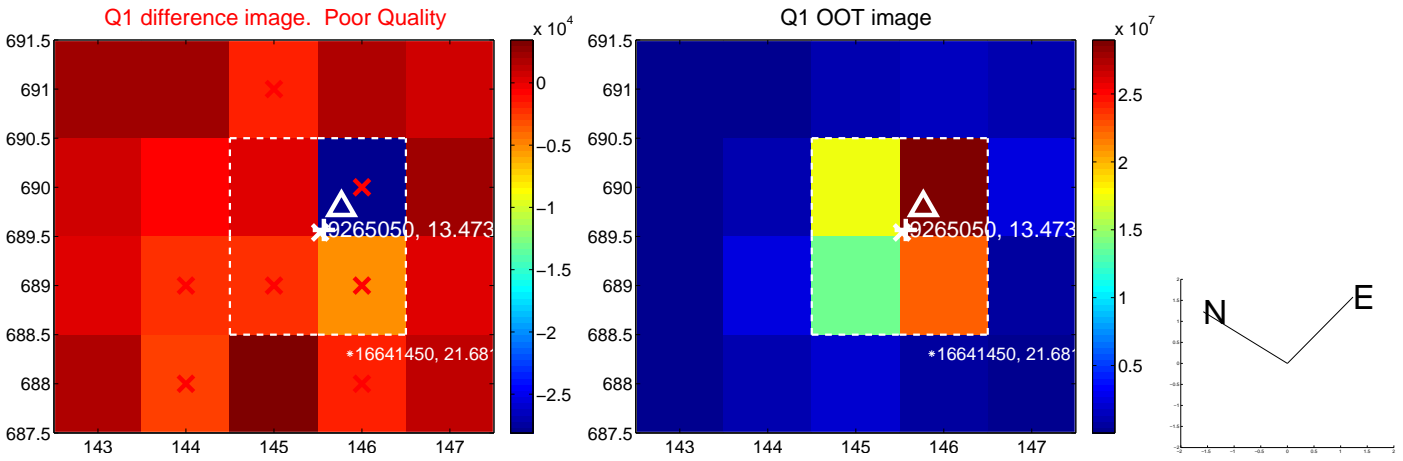
The direct PRF centroid is offset from the target star catalog position by about 0.25 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.419 ± 0.409	1.03	0.332 ± 0.463	0.255 ± 0.221
PRF-fit source offset from KIC position	0.553 ± 0.478	1.16	0.532 ± 0.476	0.154 ± 0.236
photometric centroid source offset	0.52 ± 0.47	1.11	0.51 ± 0.47	0.11 ± 0.49

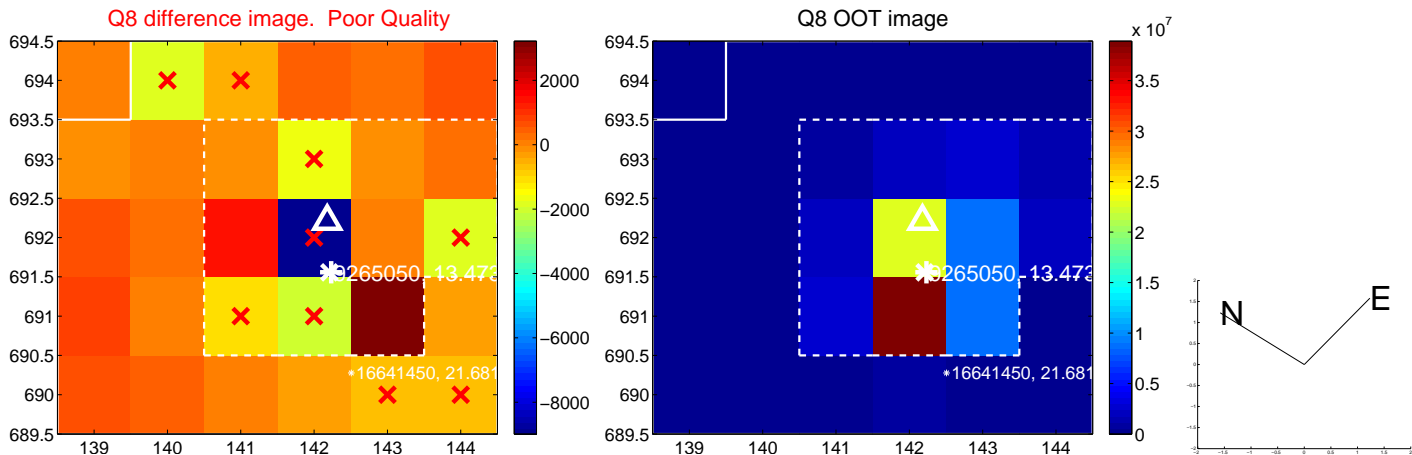
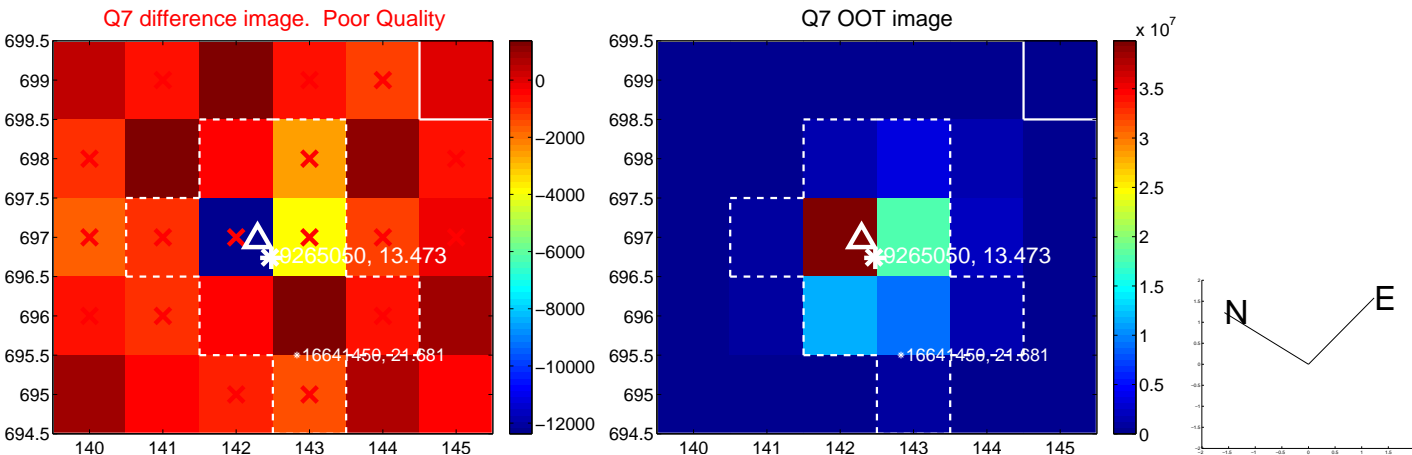
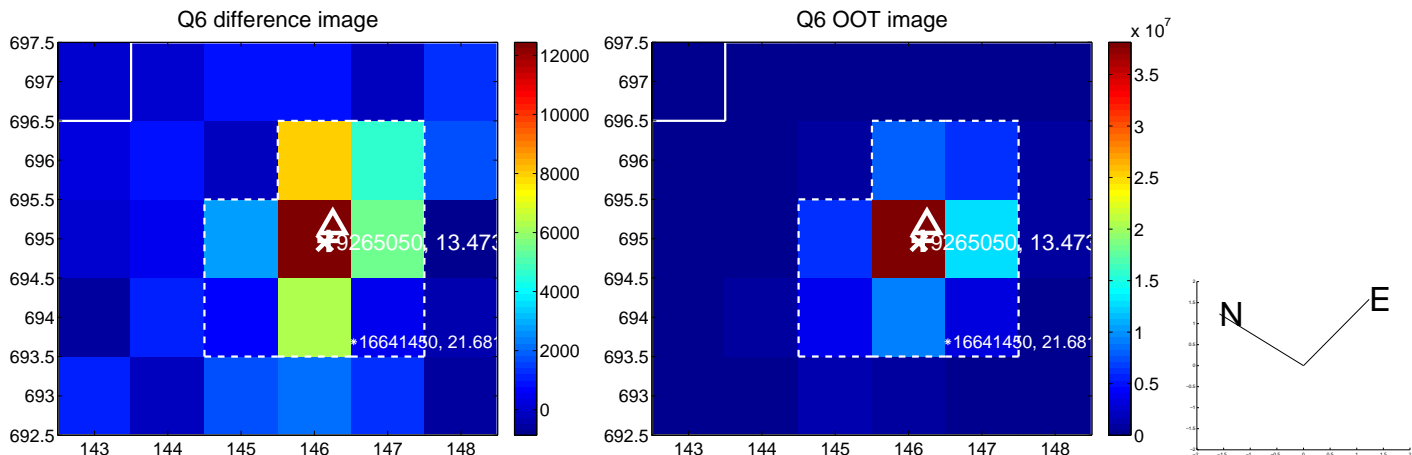
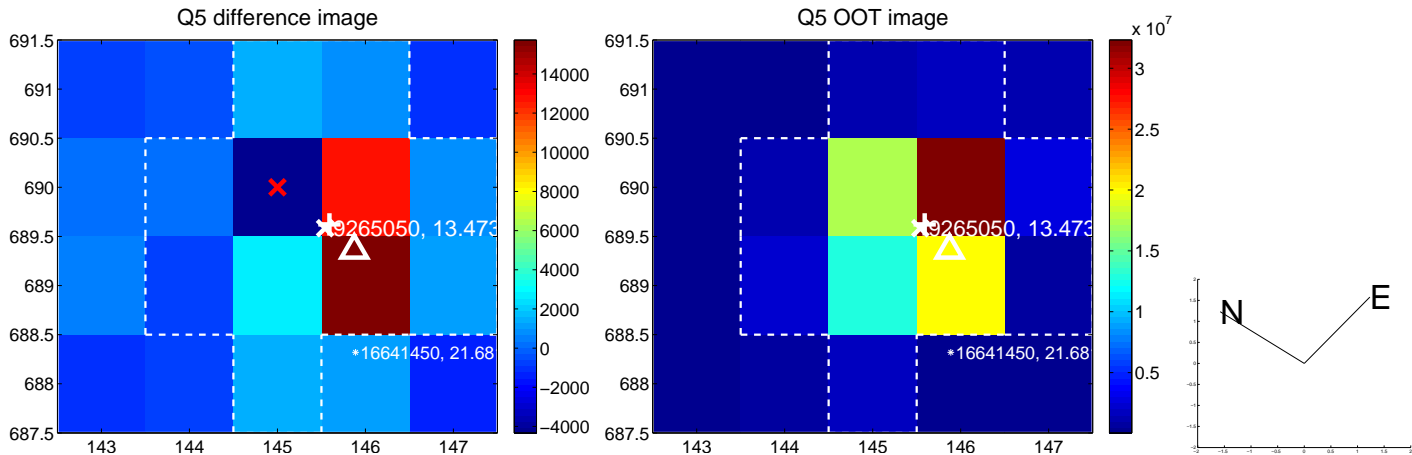


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

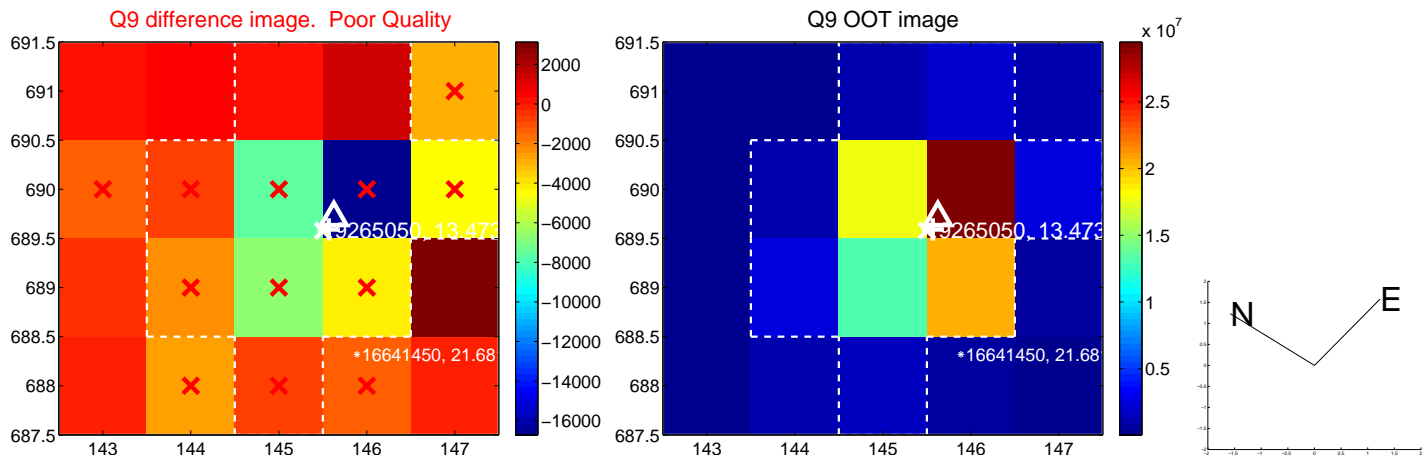
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



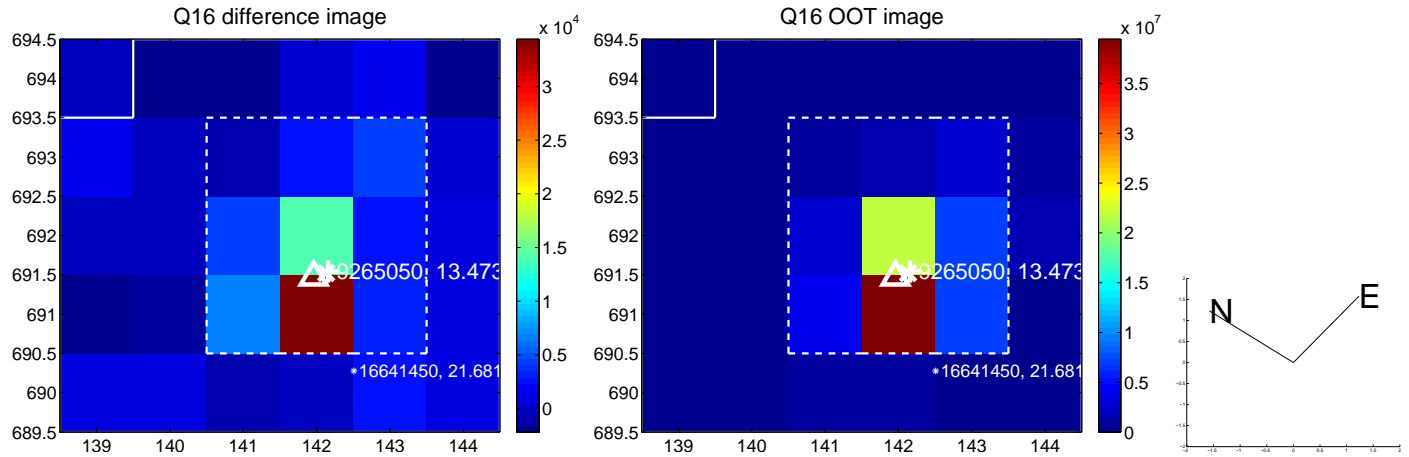
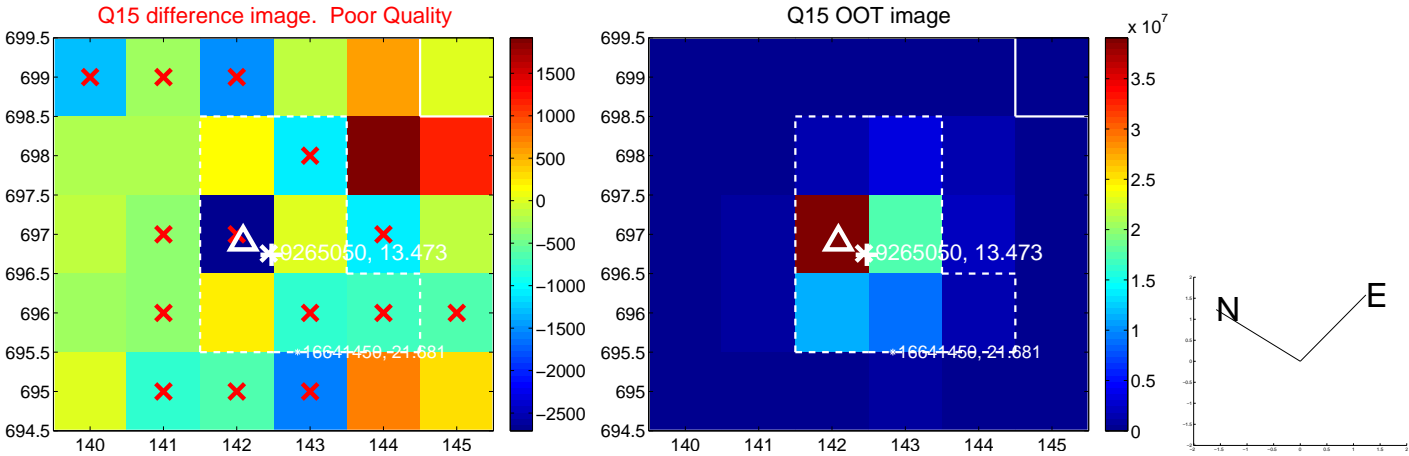
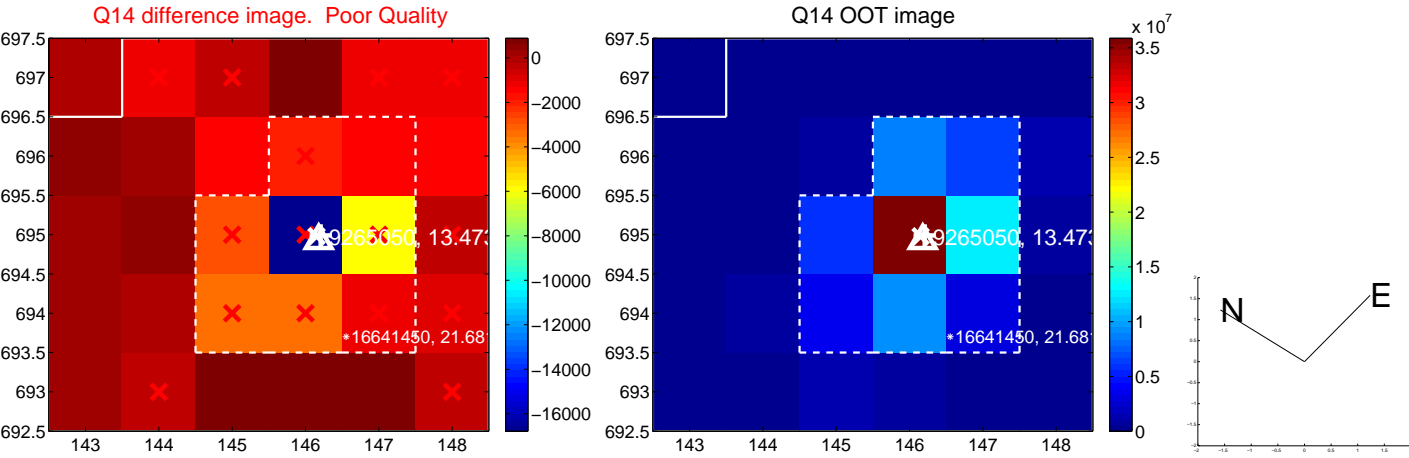
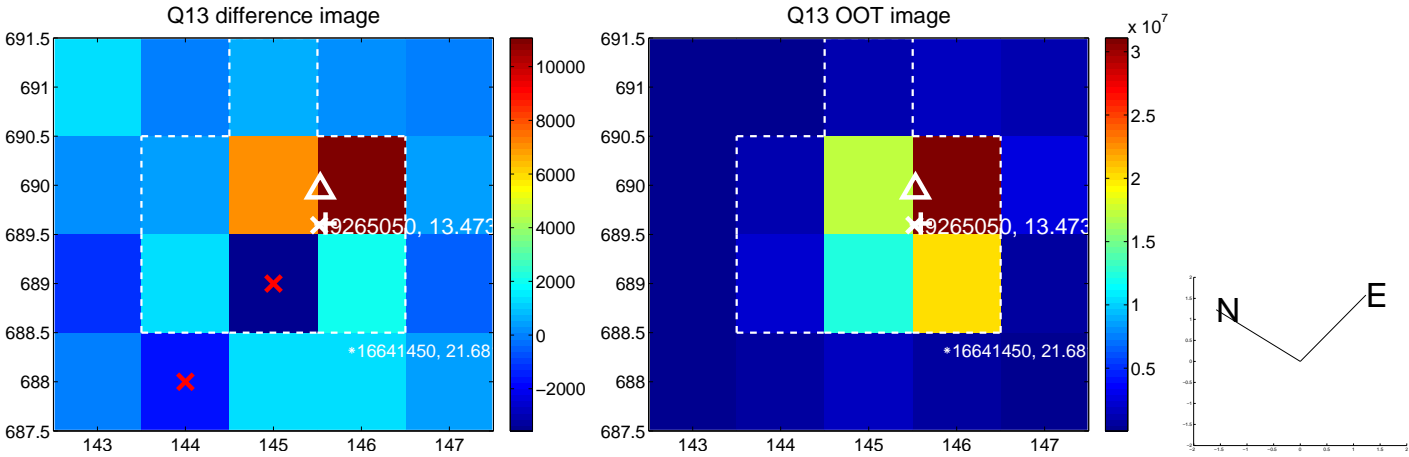
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



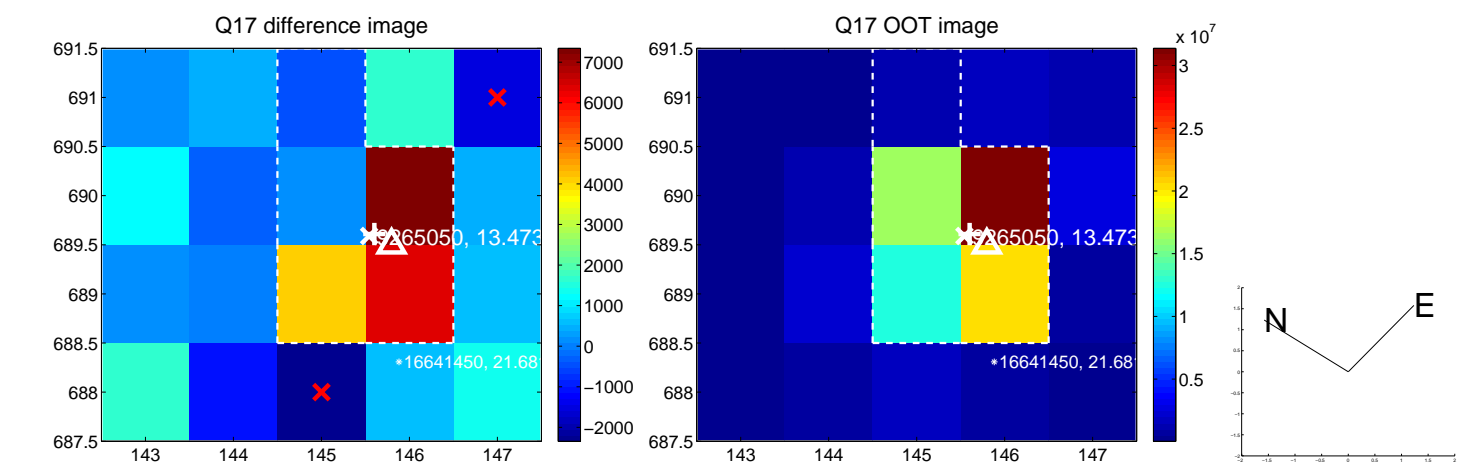
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



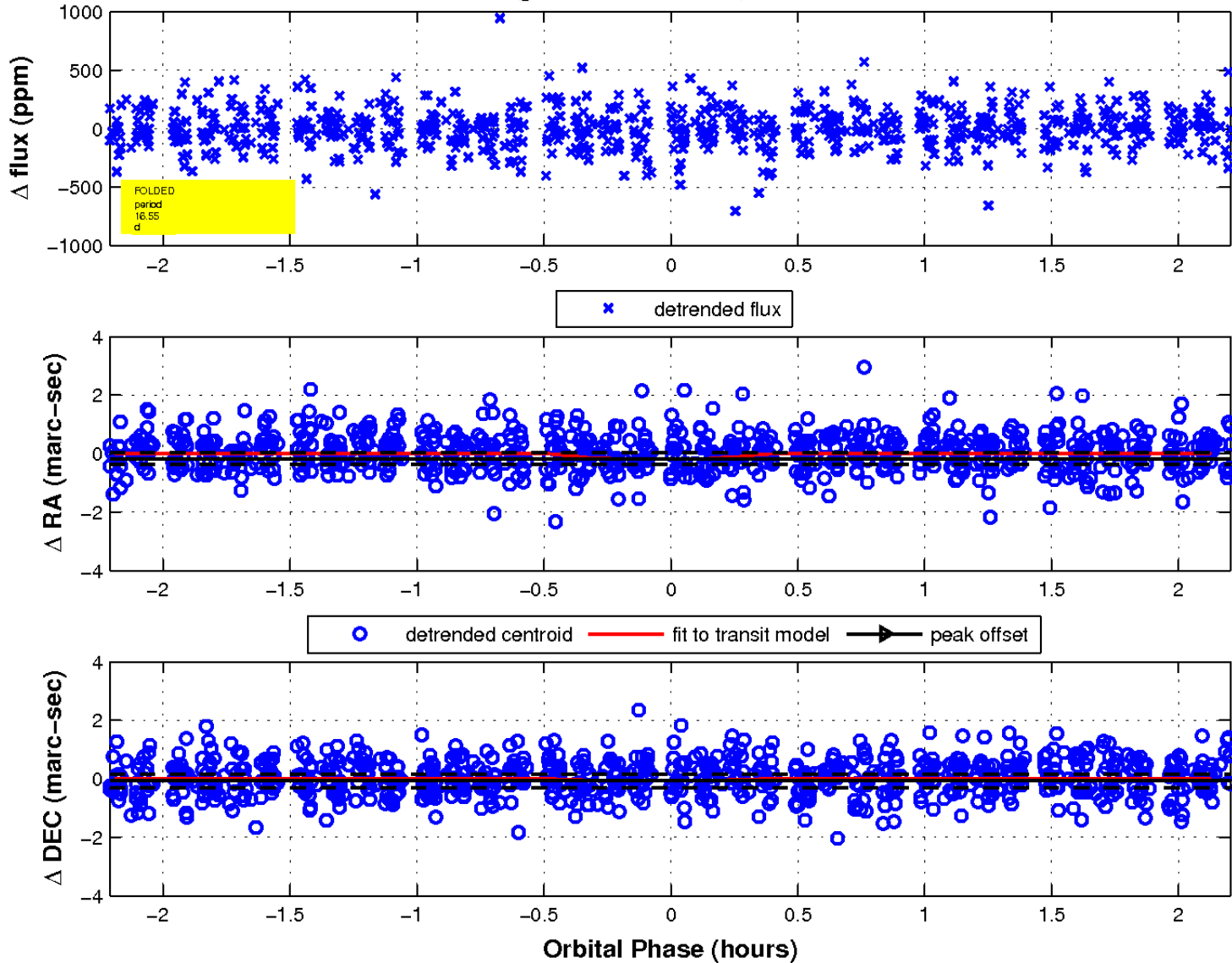
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

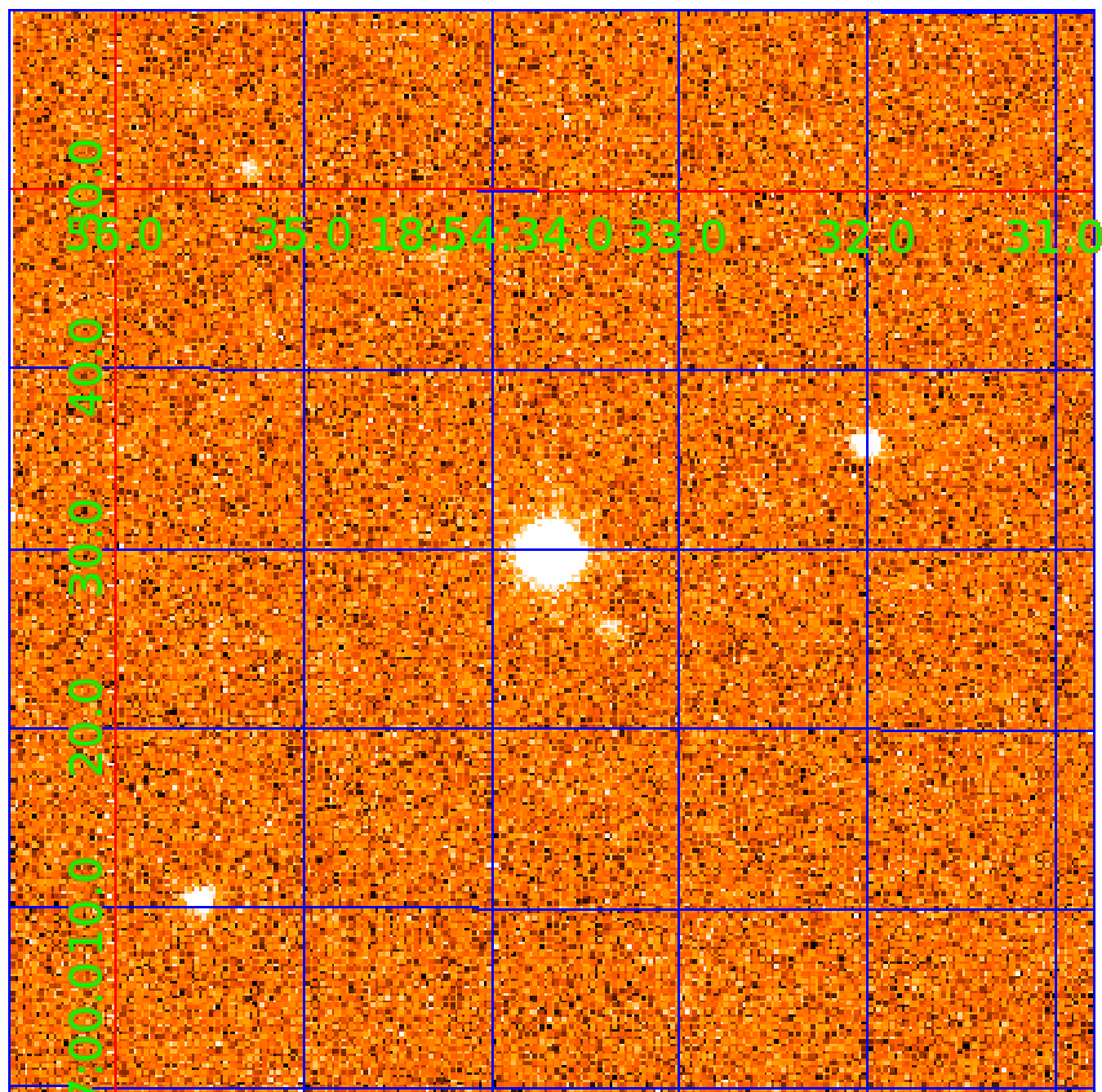


fluxWeightedCentroids, Planet 2 of 3



UKIRT Image

Declination



KIC 009265050

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})
009265050-01	OBS	No	0.597298	131.663638	10.5	4.405	10.0	7.4	2.16	8515	0.71	71331.06
009265050-02	OBS	No	16.551001	138.887327	400.0	0.737	15.0	16.5	2.16	8515	4.62	850.68
009265050-03	OBS	No	21.415438	144.458008	385.9	0.738	13.7	12.9	2.16	8515	4.37	603.34

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
009265050-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—CENT_FEW_MEAS
009265050-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
009265050-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_TRACKER—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV

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

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

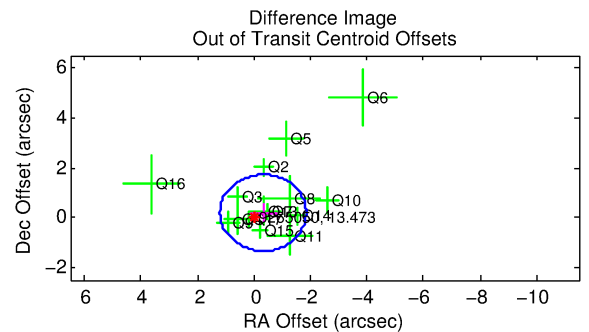
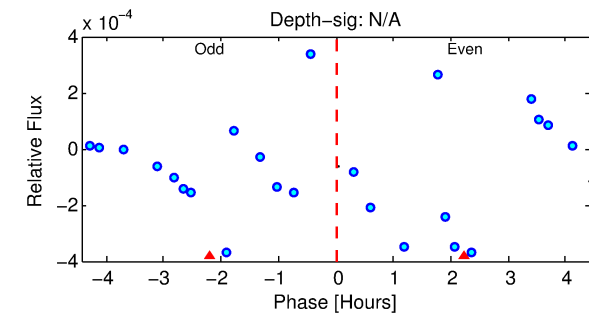
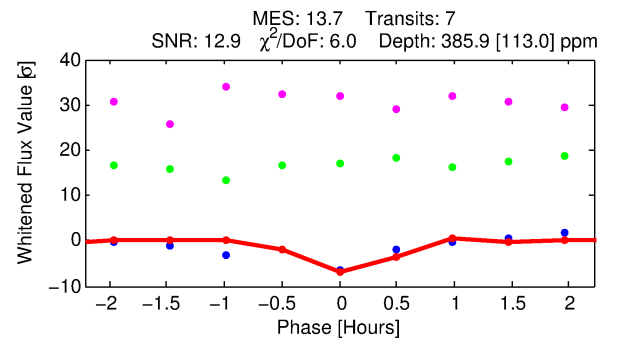
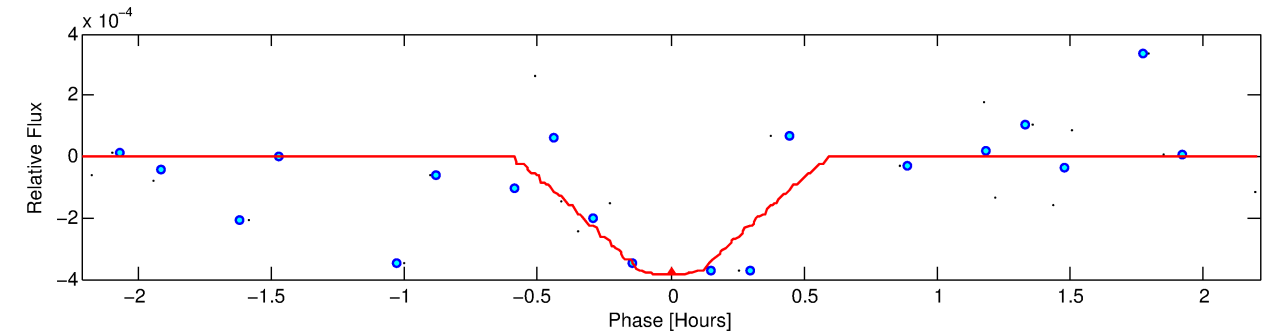
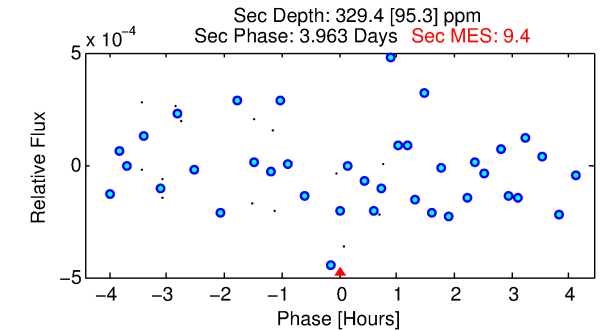
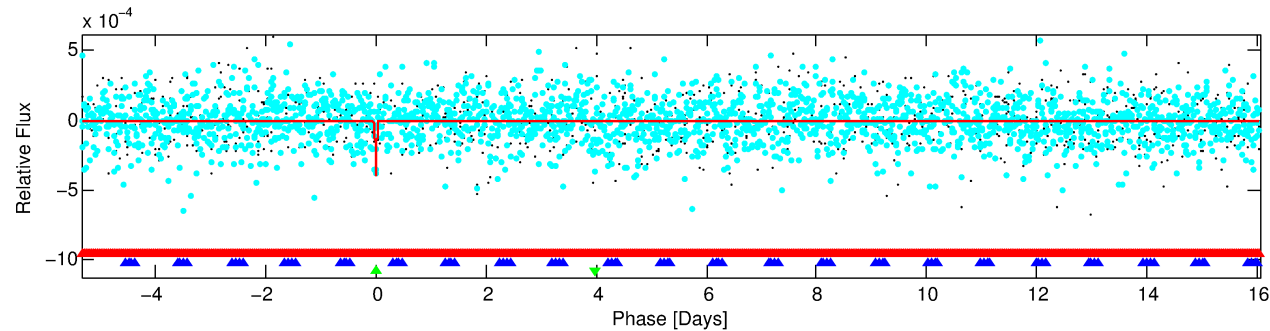
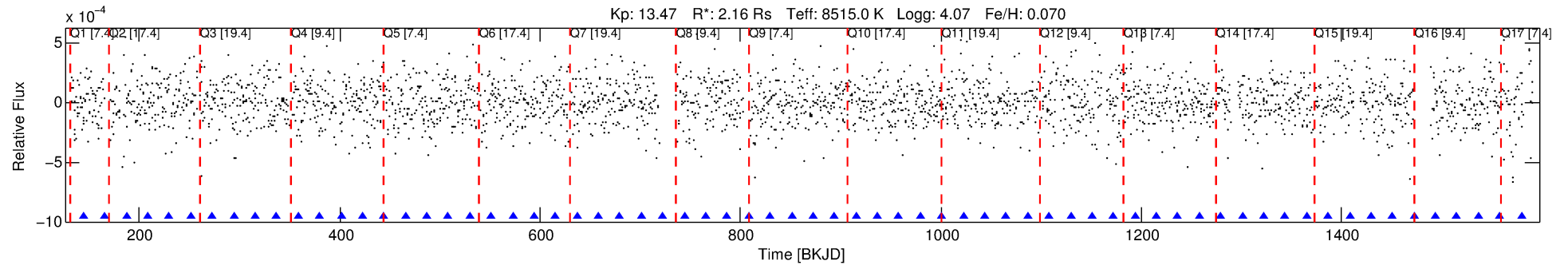
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 009265050-03

No Significant Match Found

DV One-Page Summary

KIC: 9265050 Candidate: 3 of 3 Period: 21.415 d



DV Fit Results:

Period = 21.41544 [0.00016] d
Epoch = 144.4580 [0.0062] BKJD
Rp/R* = 0.0186 [0.0219]
a/R* = 222.24 [1634.53]
b = 0.18 [38.82]
Seff = 603.34 [215.82]
Teq = 1264 [113] K
Rp = 4.37 [5.28] Re
a = 0.1906 [0.0425] AU
Ag = 344.56 [824.48] [0.42 σ]
Teffp = 8418 [5006] K [1.43 σ]

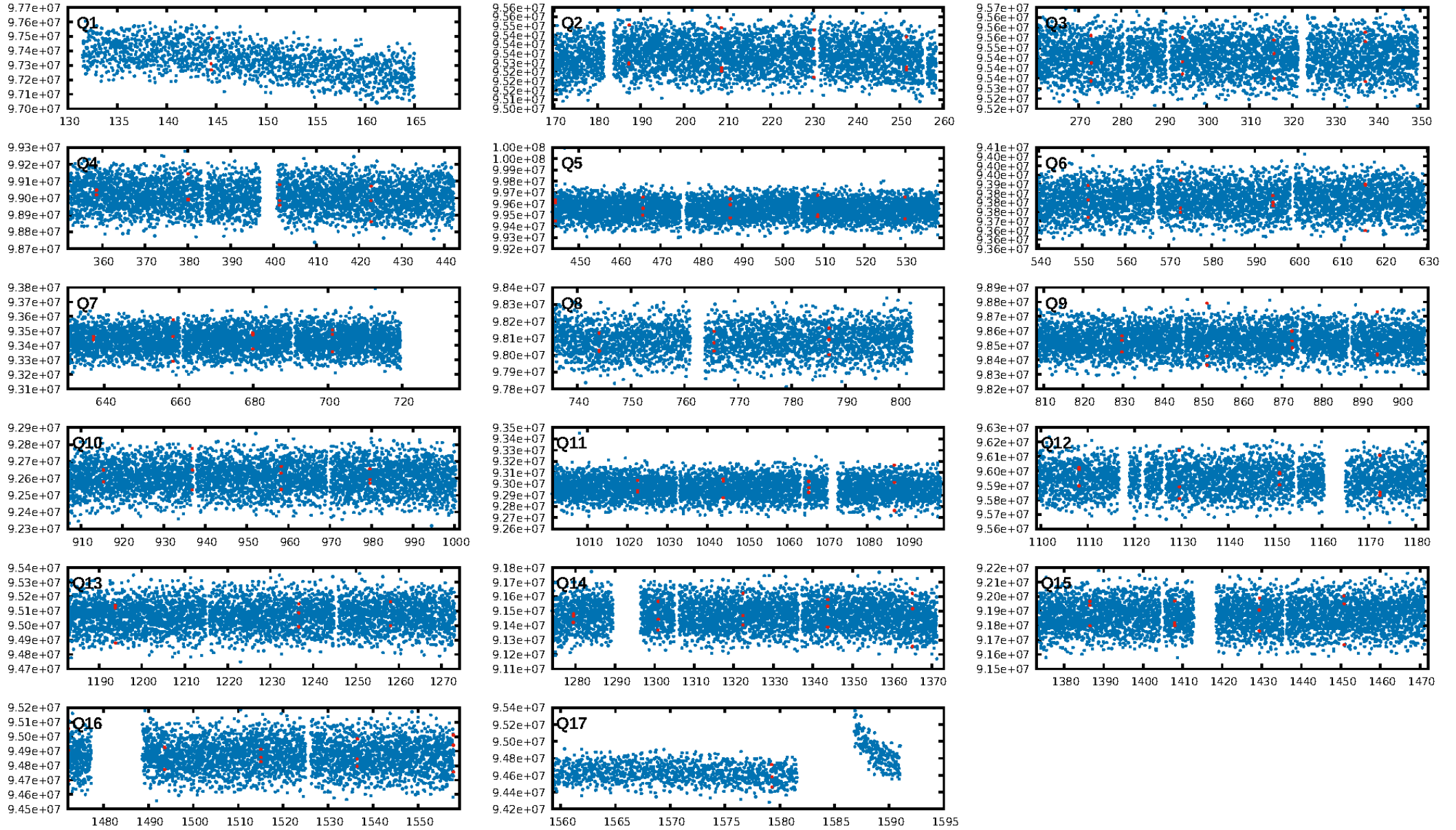
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [111.99 σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 0.0%
ModelChiSquareGof-sig: 4.9%
Bootstrap-pfa: 9.04e-13
RollingBand-fgt: 1.00 [7/7]
GhostDiagnostic-chr: -4.297
Centroid-sig: 0.2%
Centroid-so: 1.503 arcsec [2.69 σ]
OotOffset-rm: 0.371 arcsec [0.73 σ]
KicOffset-rm: 0.227 arcsec [0.49 σ]
OotOffset-st: 4/4/3/4 [15]
KicOffset-st: 4/4/3/4 [15]
DiffImageQuality-fgm: 0.53 [8/15]
DiffImageOverlap-fno: 0.00 [0/16]

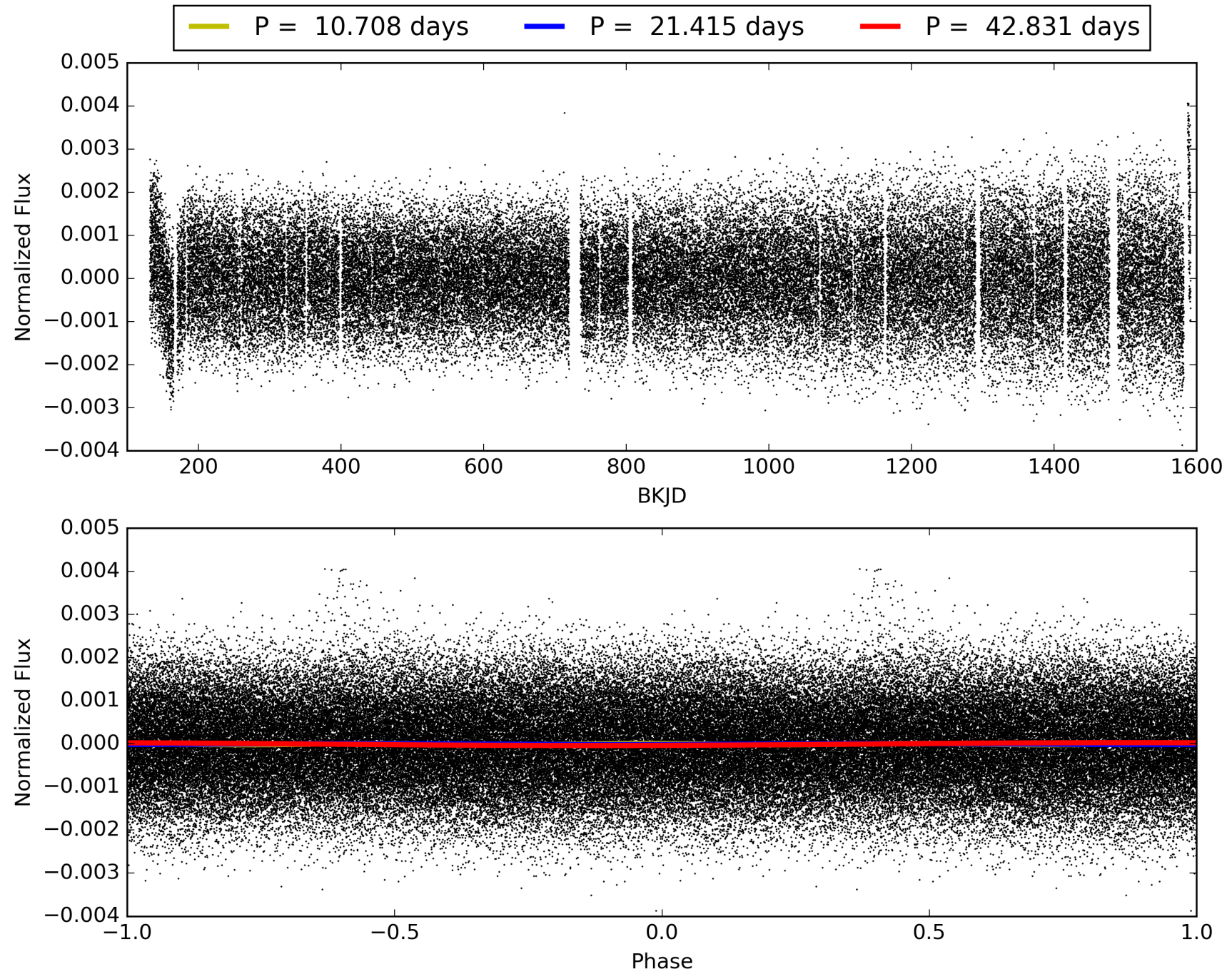
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 15:19:53 Z

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

TCE 009265050-03, PDC Light Curves

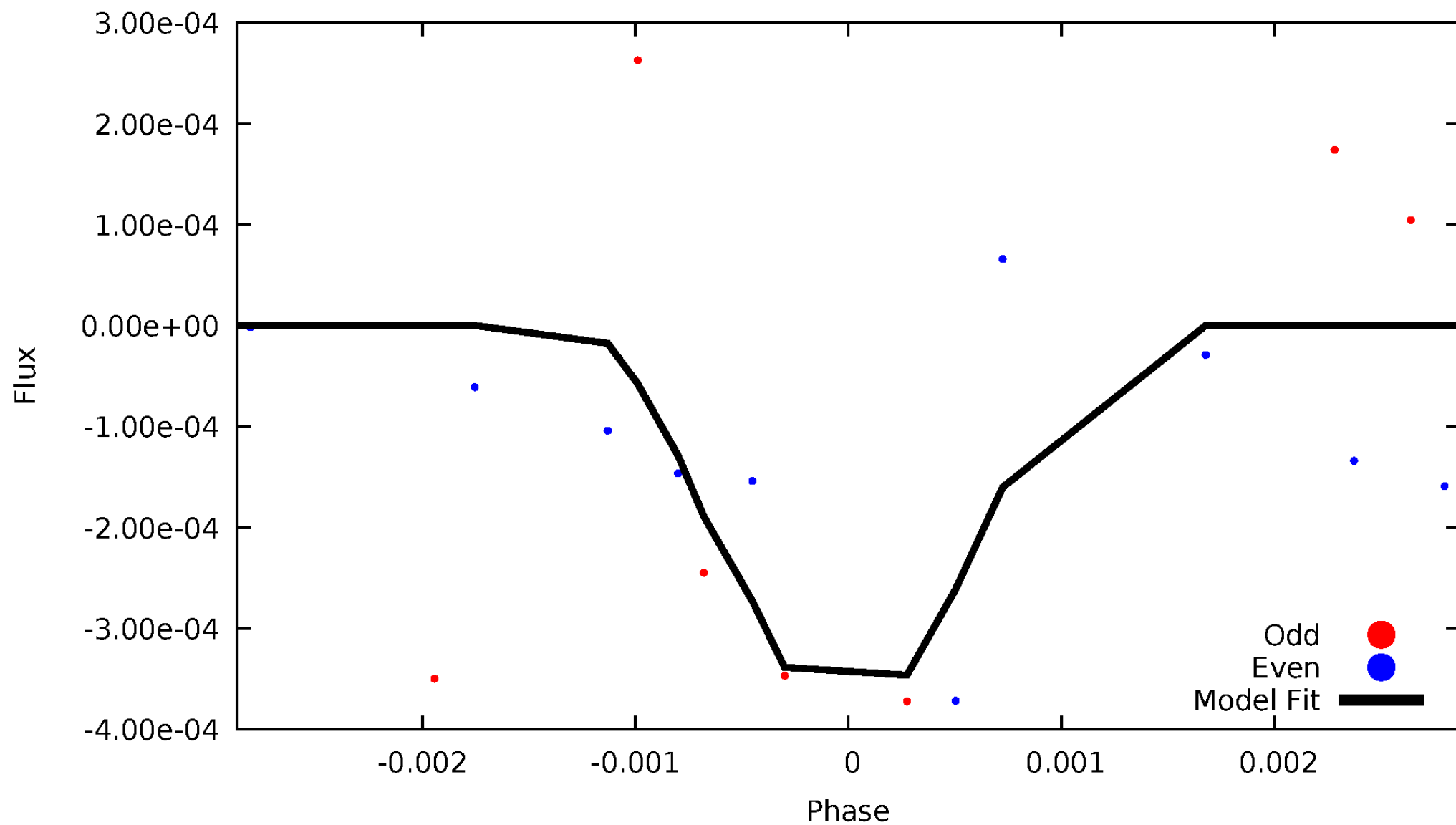


TCE 009265050-03



DV Odd/Even

TCE 009265050-03

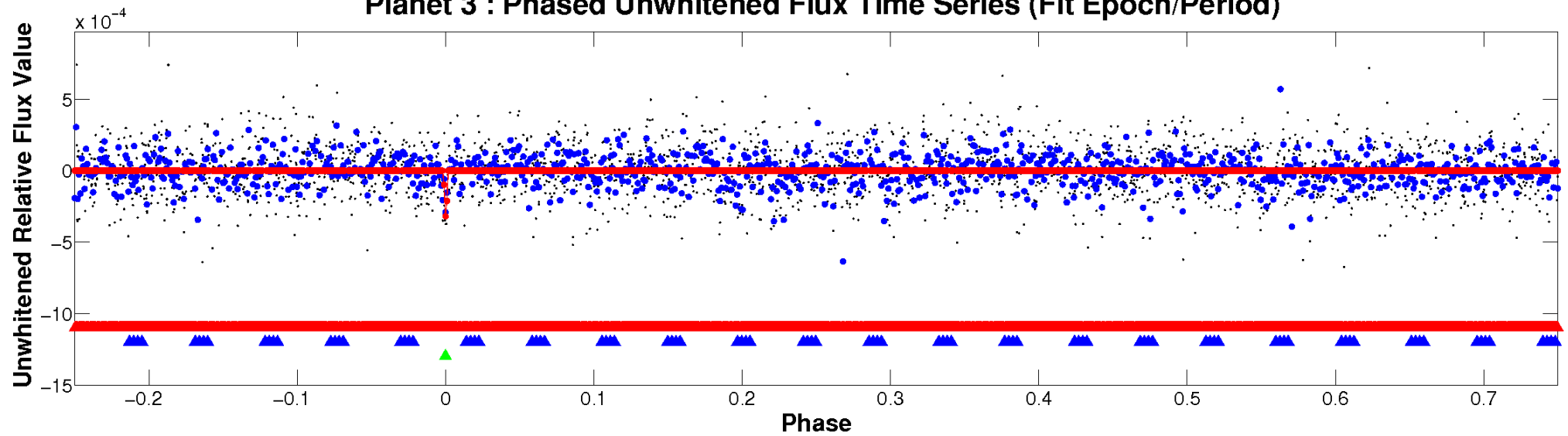


ALT Odd/Even

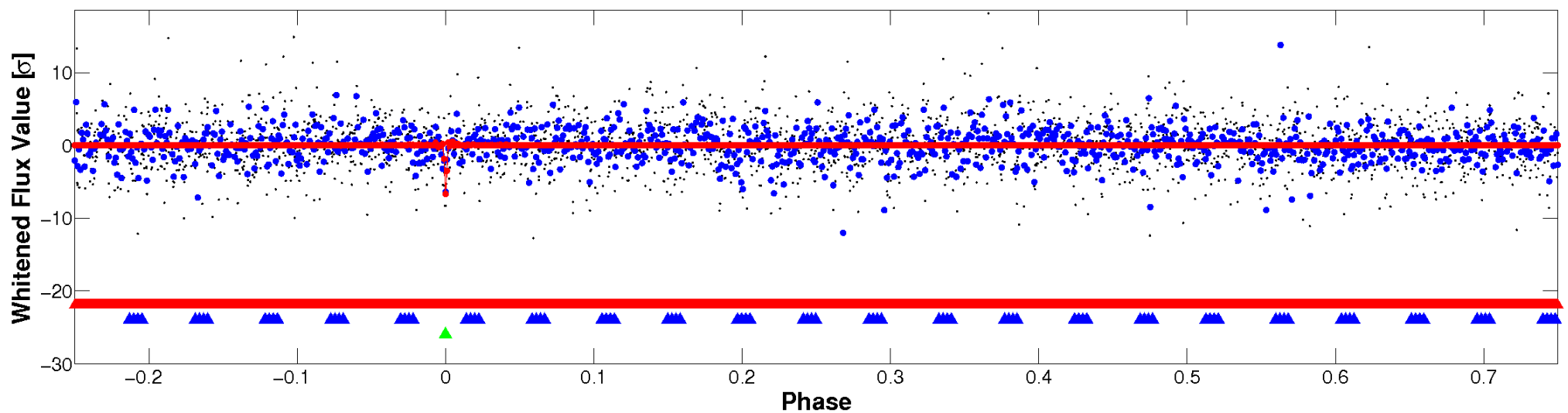
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

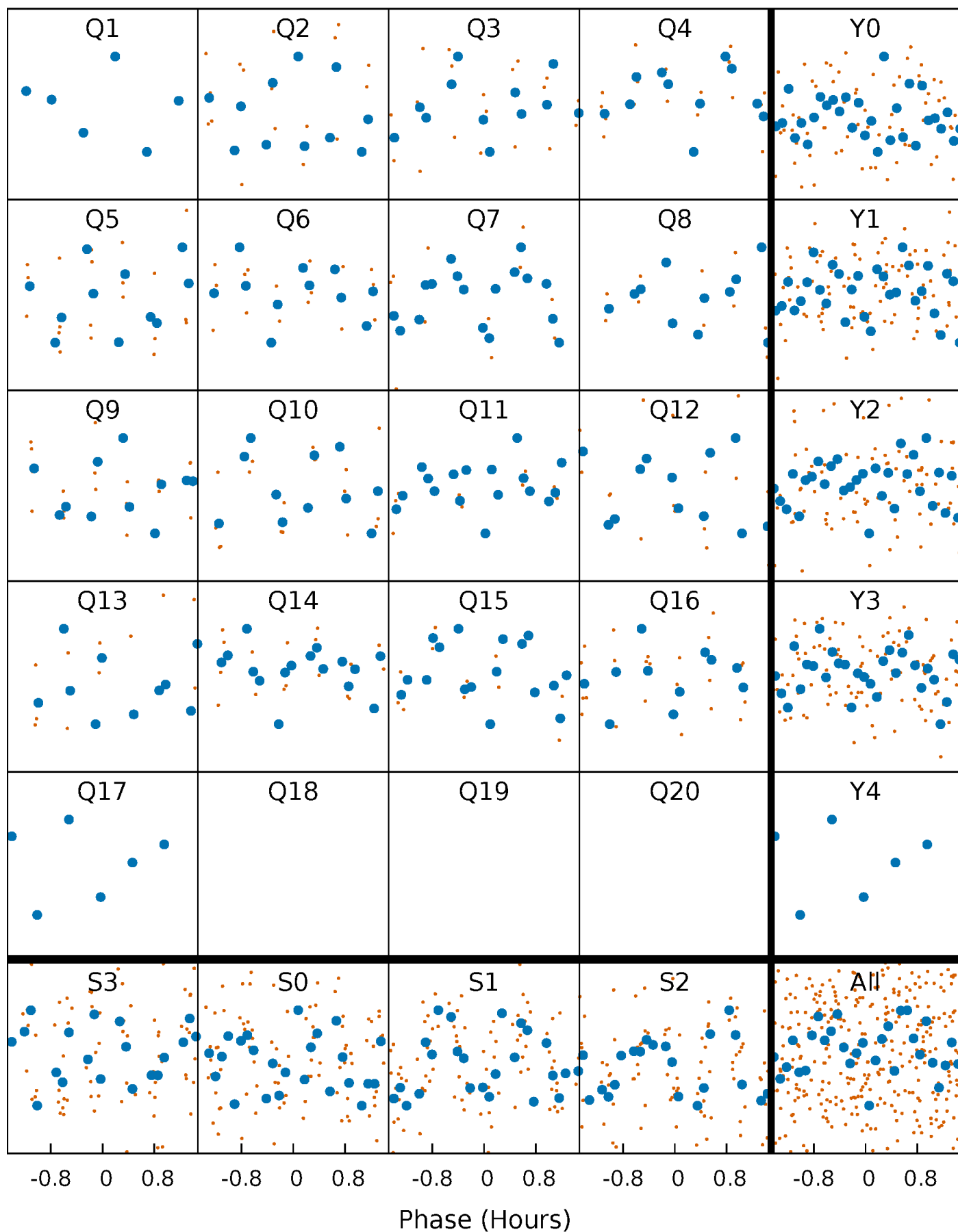


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



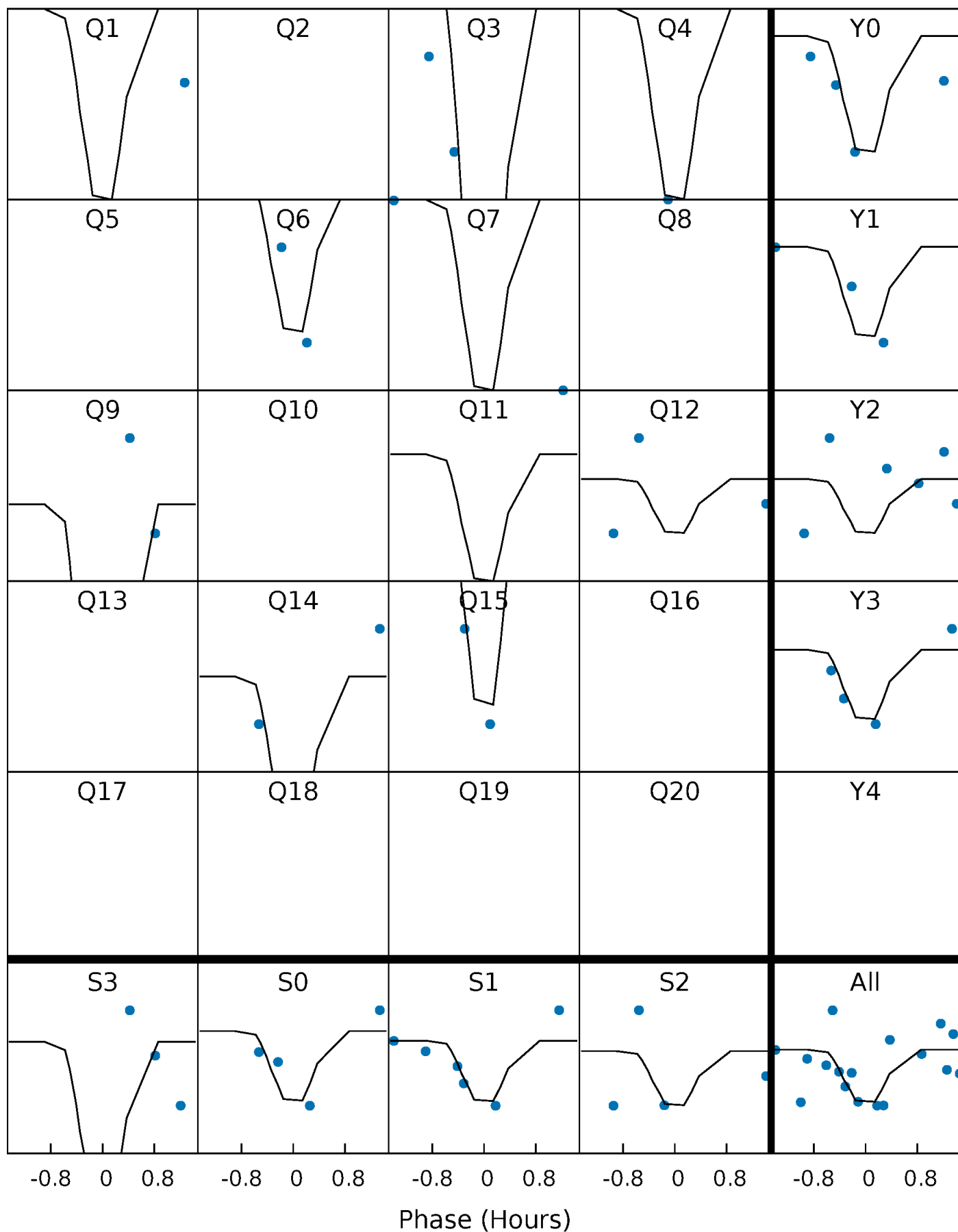
PDC Quarter-Phased Transit Curves

TCE 009265050-03 P= 21.415438 Days $T_0=144.458008$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 009265050-03 P= 21.415438 Days $T_0=144.458008$ (BKJD)

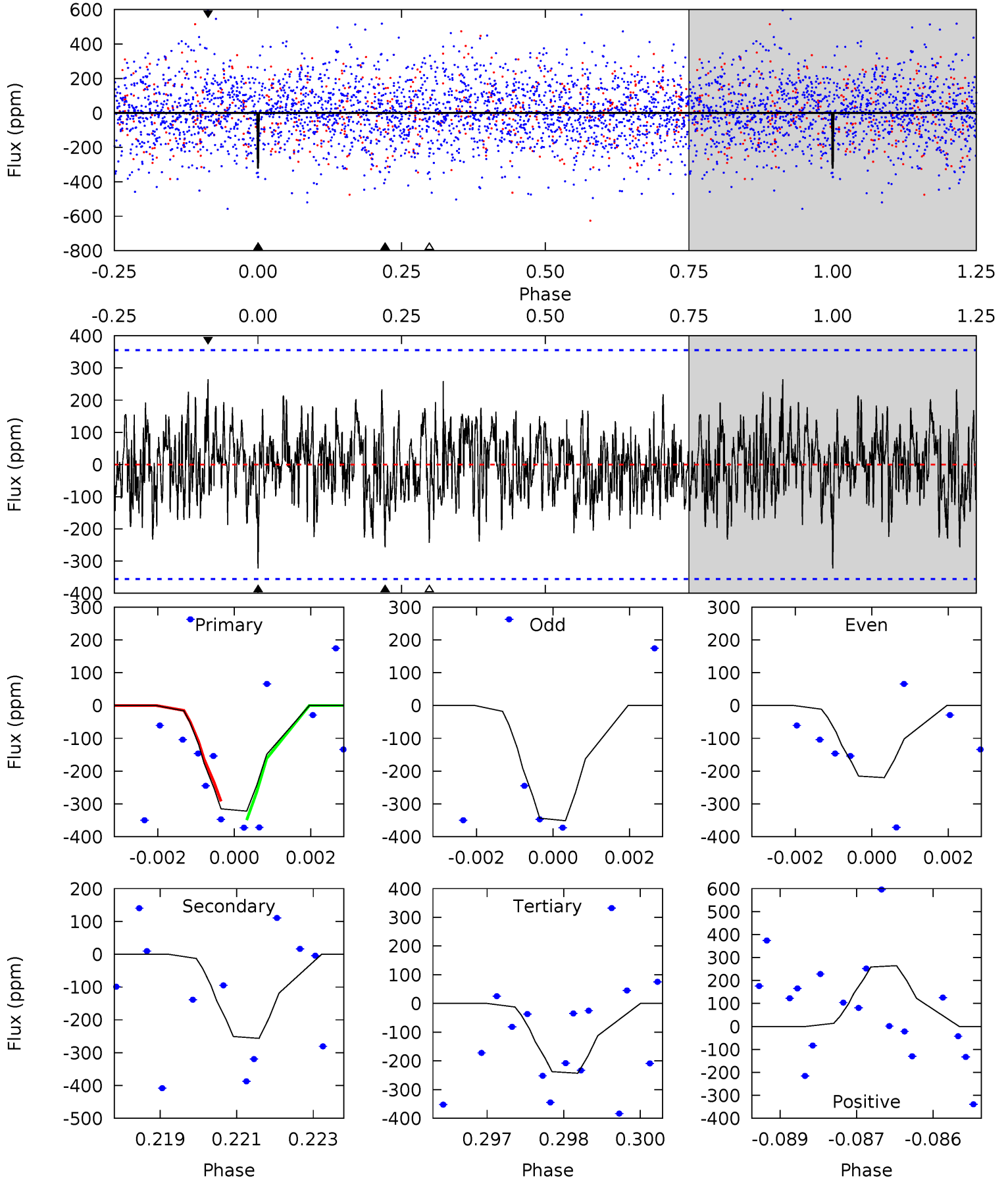


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

009265050-03, P = 21.415438 Days, E = 123.042570 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
4.85	3.86	3.66	3.98	5.35	3.14	1.30	1.19	0.87	0.20	-0.12	0.99	1.00	0.45	0.41



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 009265050

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	8515^{+235}_{-370}	$4.074^{+0.165}_{-0.135}$	$0.070^{+0.150}_{-0.550}$	$2.157^{+0.444}_{-0.593}$	$2.012^{+0.303}_{-0.493}$	$0.282^{+0.276}_{-0.102}$
	+3%/-4%	+4%/-3%	+214%/-786%	+21%/-27%	+15%/-25%	+98%/-36%
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 009265050-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-256 ± 66	$5.71^{+4.70}_{-3.54}$	1760^{+109}_{-115}	6478^{+6061}_{-1554}	145^{+929}_{-100}
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 $A_{\text{obs}} \gg 1.0$

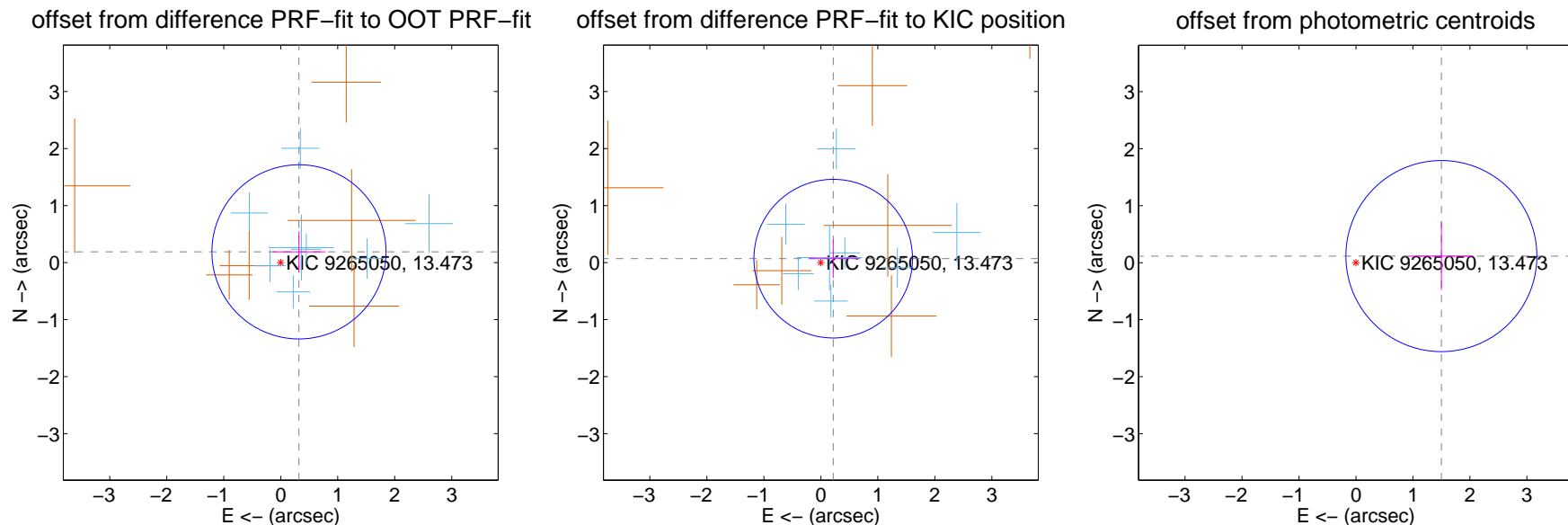
DV Centroid Data

Supplemental centroid analysis for 009265050-03. Kepler magnitude: 13.47. Transit SNR 12.88

There are 8 quarters with good PRF difference image offsets

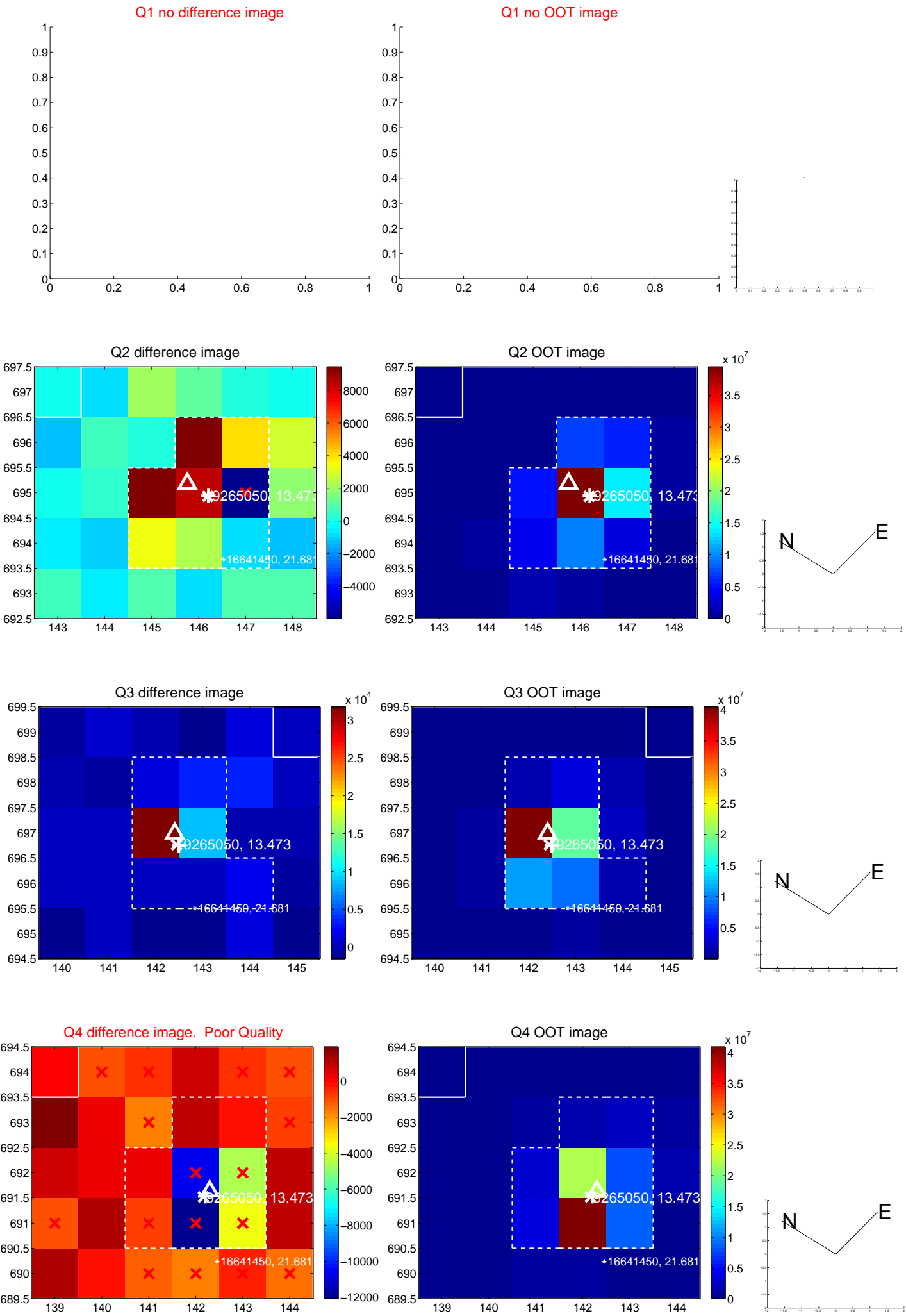
The direct PRF centroid is offset from the target star catalog position by about 0.25 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.371 ± 0.509	0.73	-0.319 ± 0.463	0.188 ± 0.355
PRF-fit source offset from KIC position	0.227 ± 0.464	0.49	-0.217 ± 0.433	0.069 ± 0.340
photometric centroid source offset	1.50 ± 0.56	2.69	-1.50 ± 0.56	0.12 ± 0.59

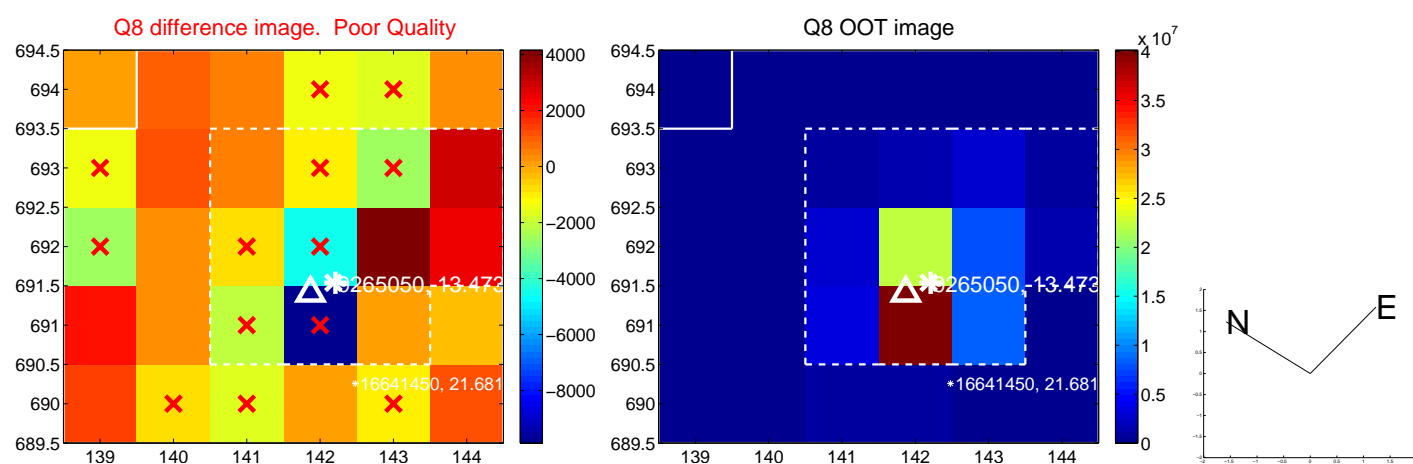
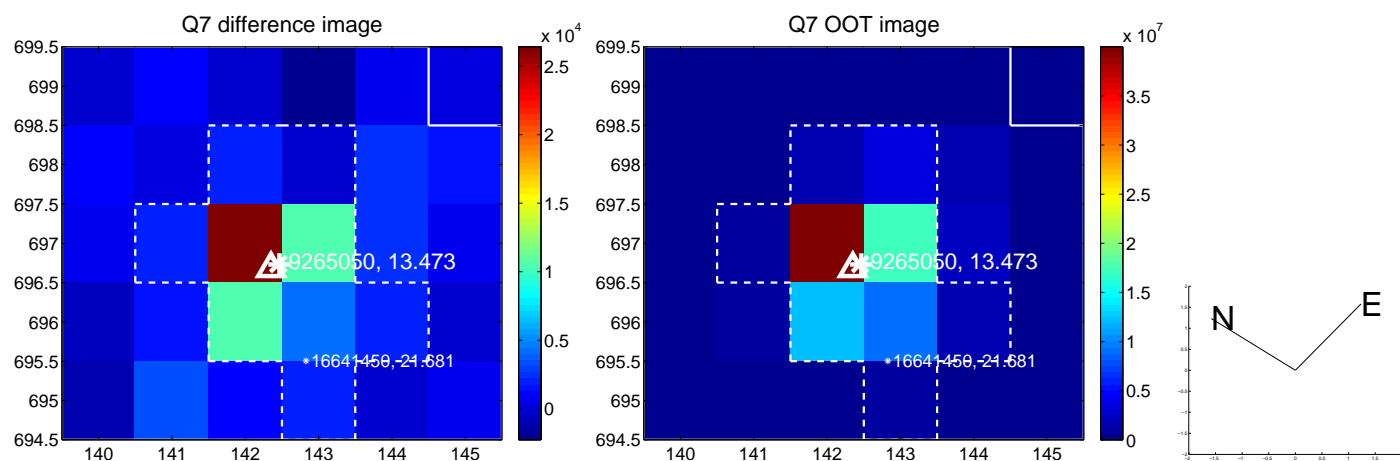
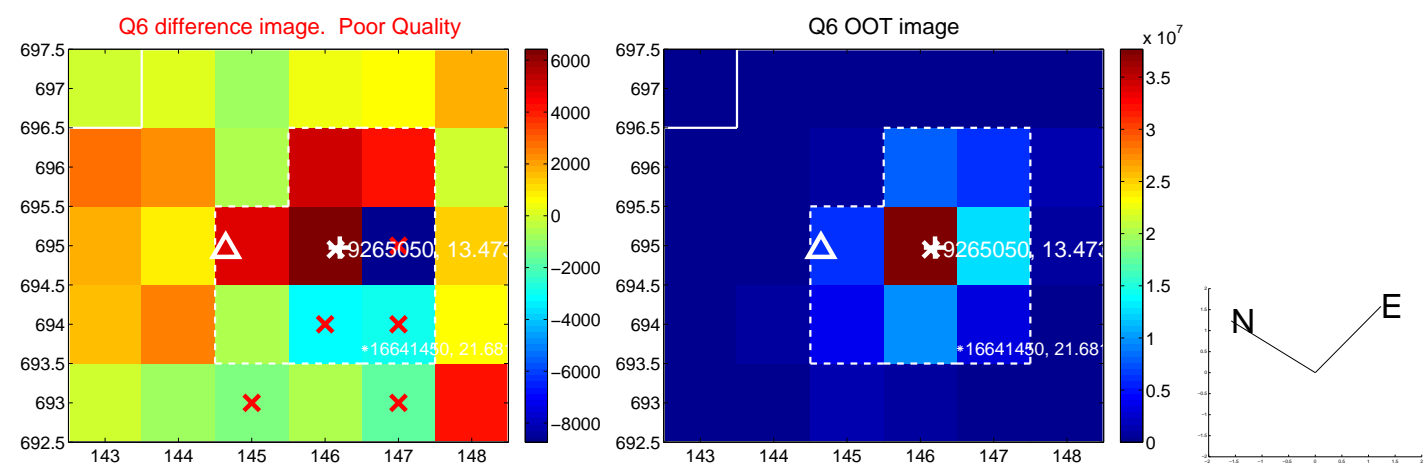
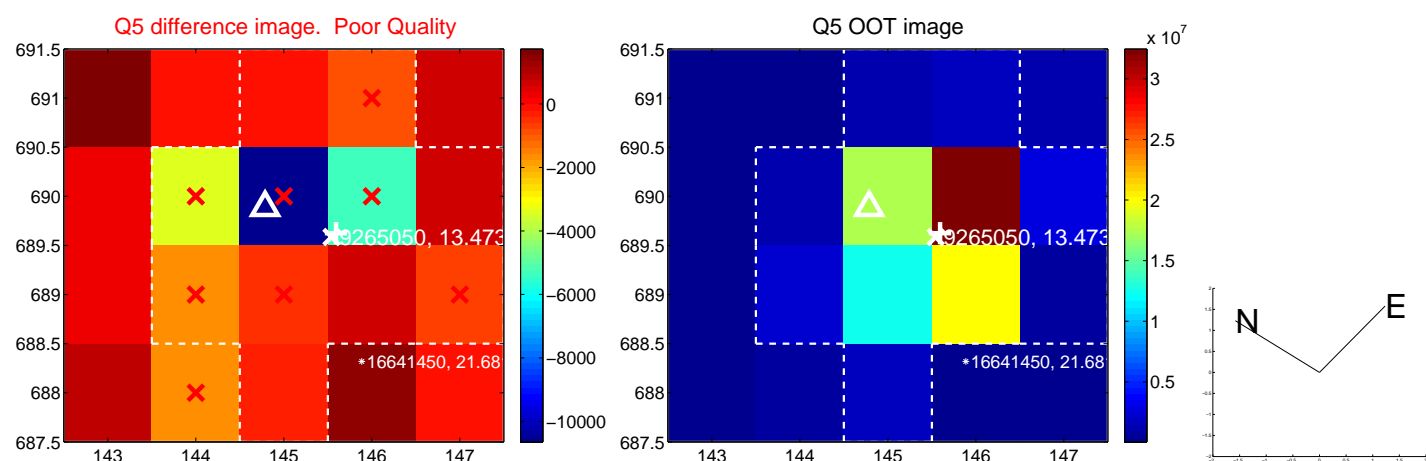


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

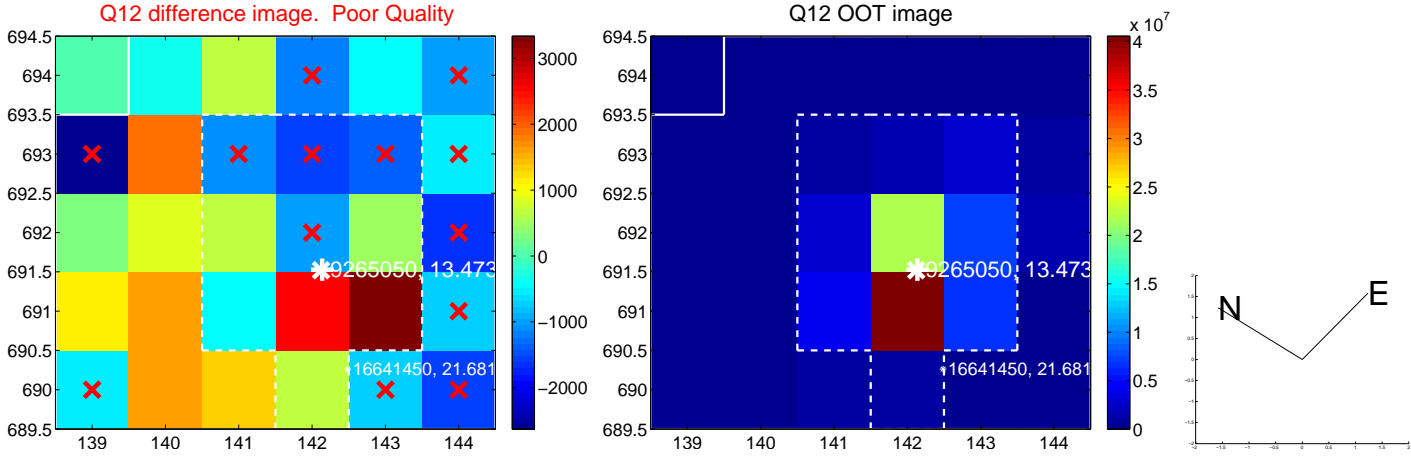
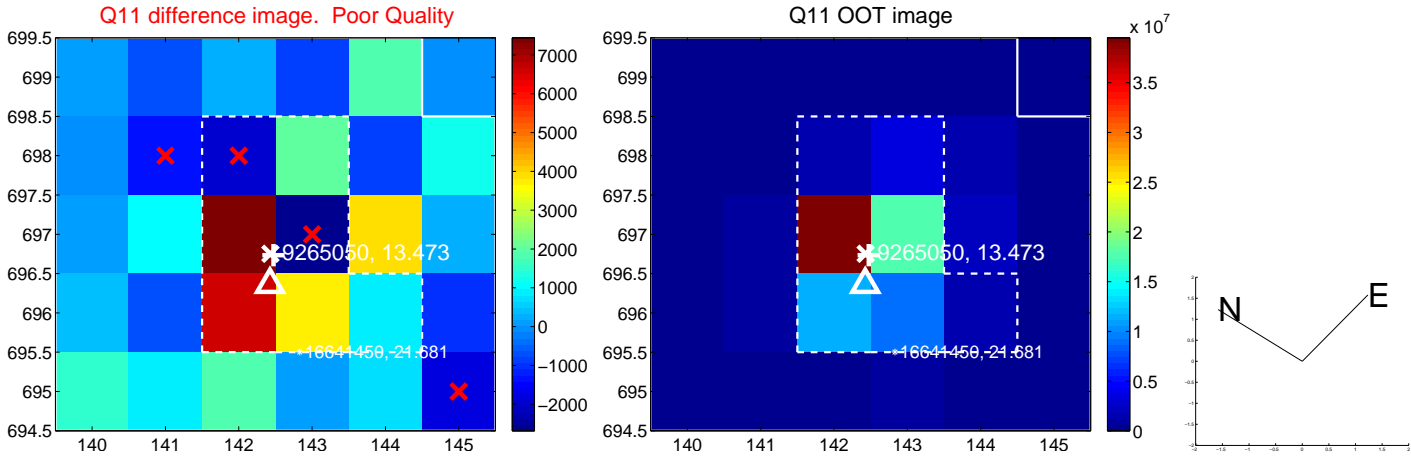
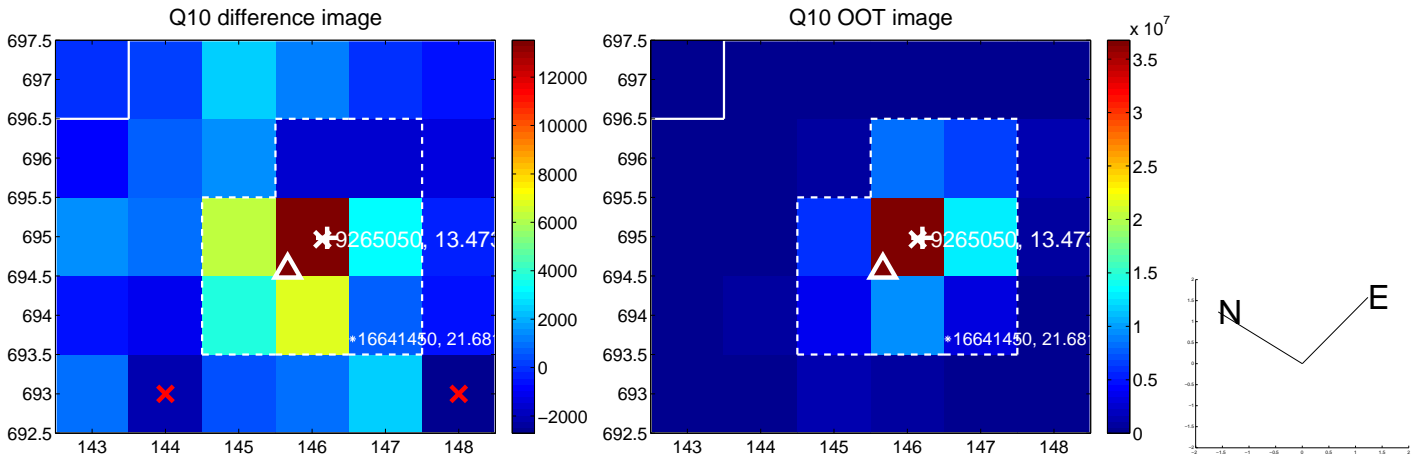
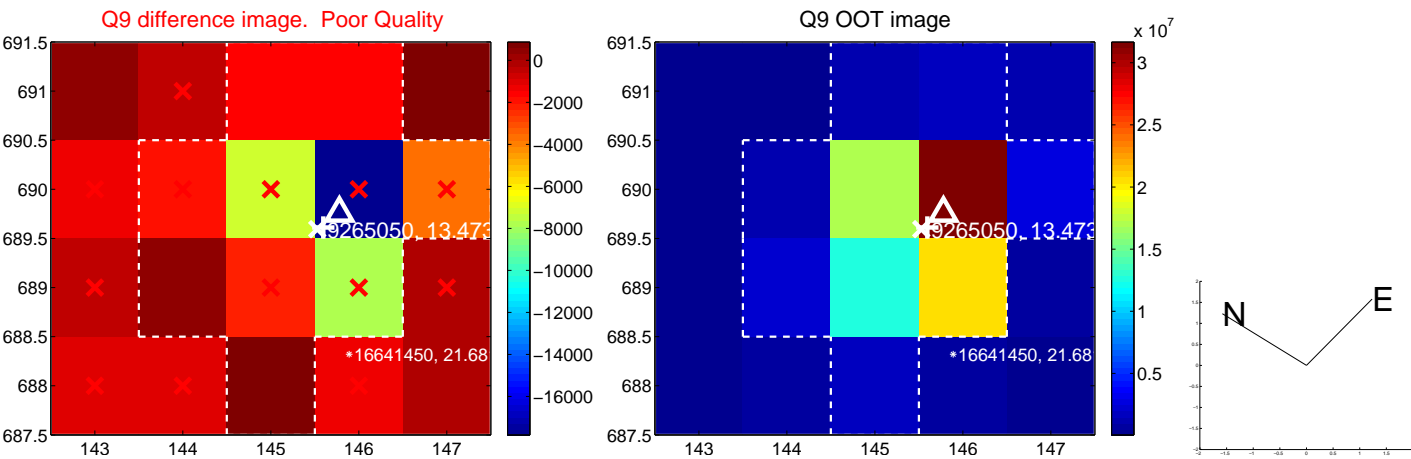
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



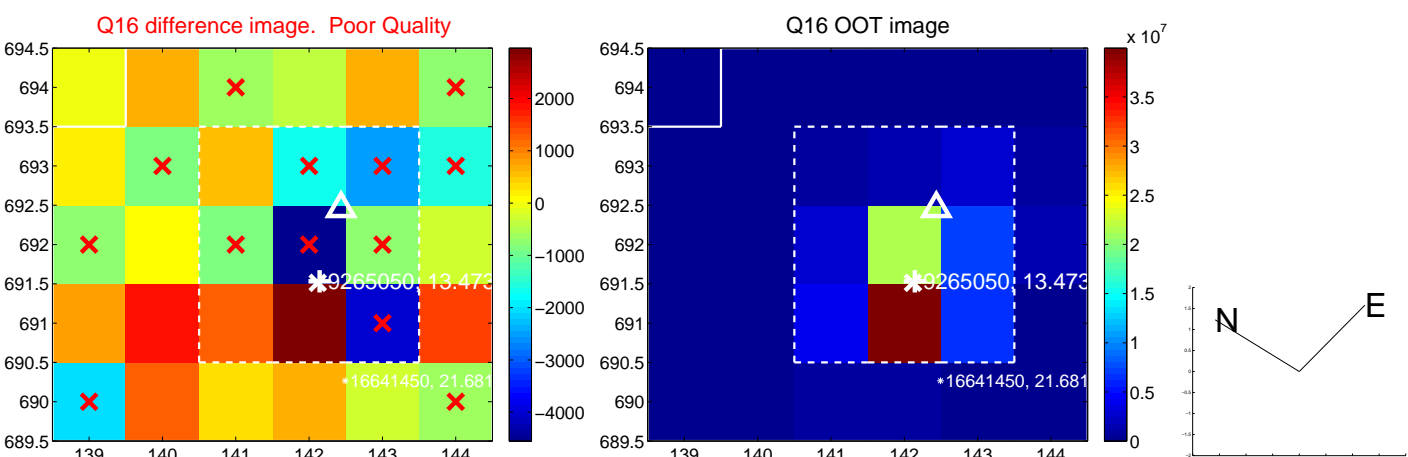
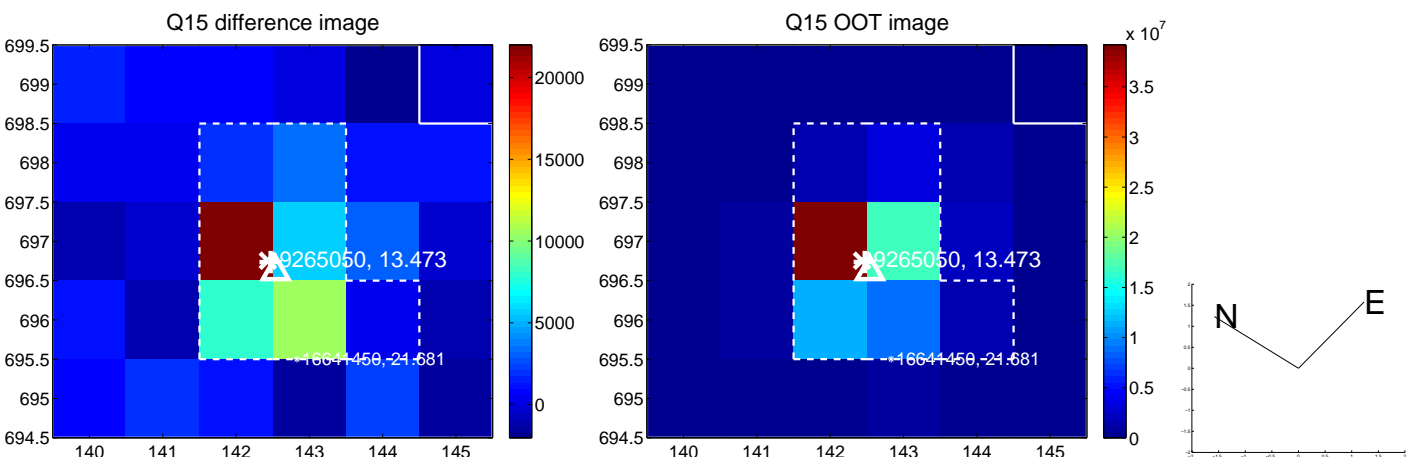
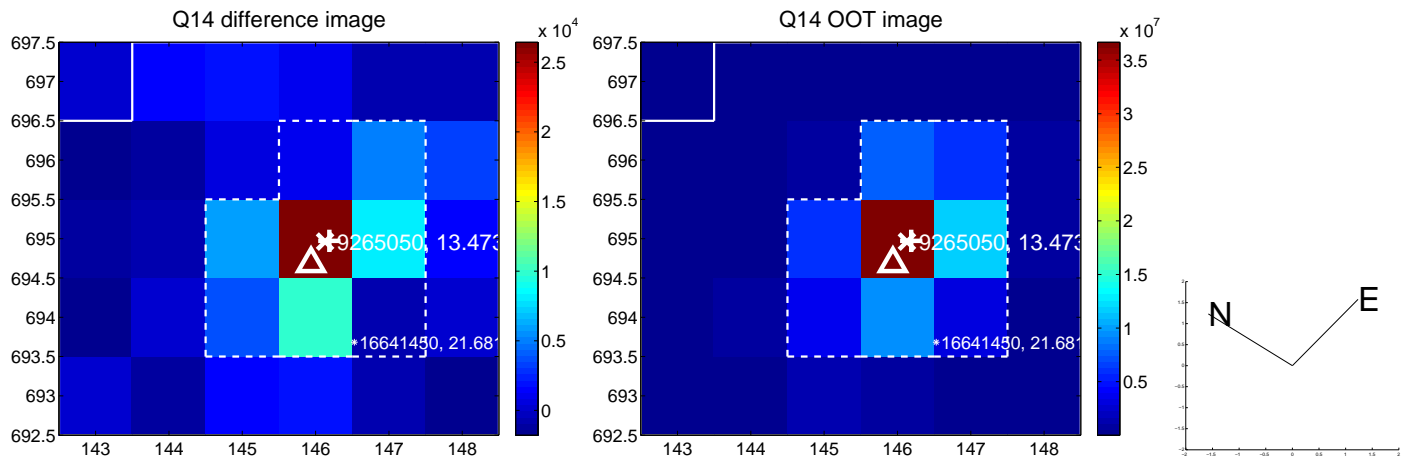
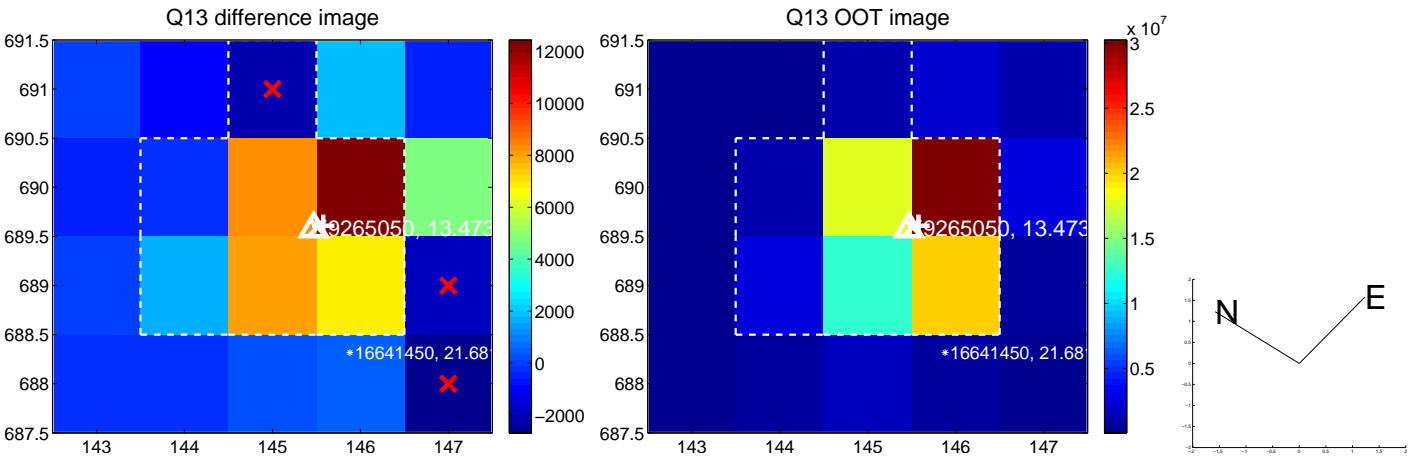
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



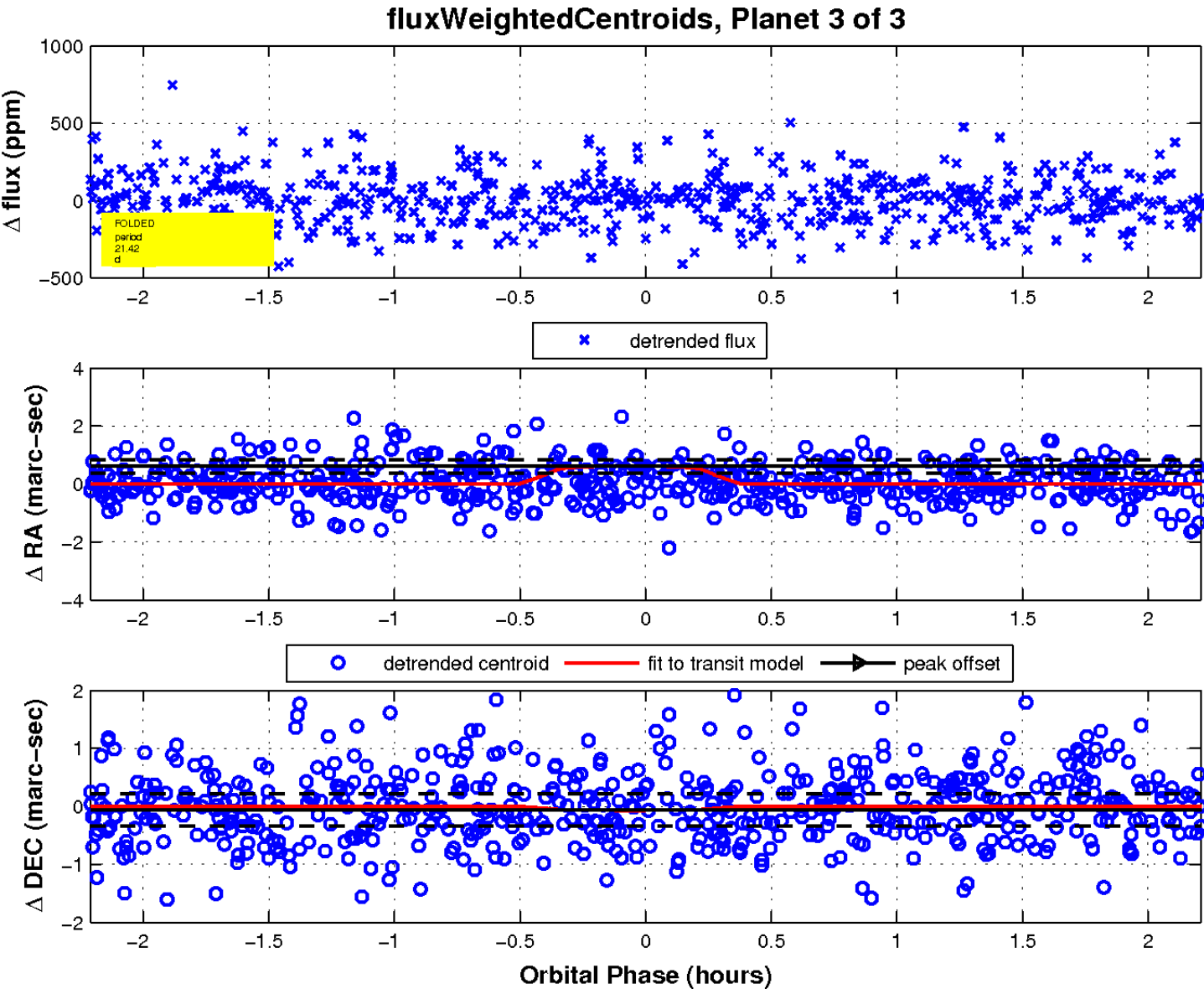
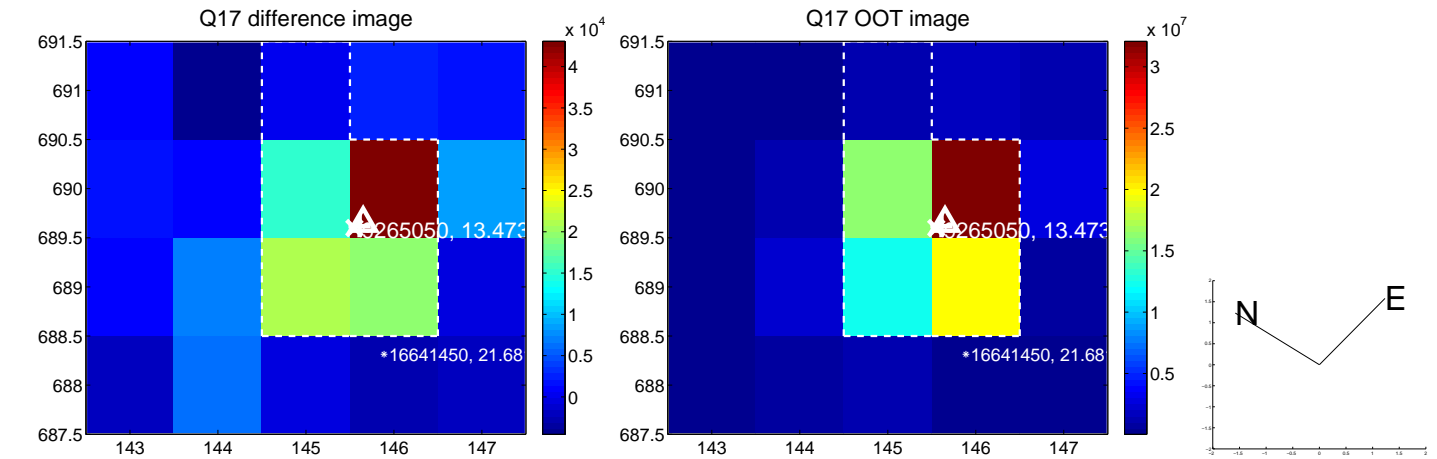
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



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



UKIRT Image

Declination

