

KIC 011972526

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})
011972526-01	OBS	No	1.125061	131.685773	319.7	1.414	10.5	11.8	2.17	7780	4.50	23146.41
011972526-02	OBS	No	0.675037	131.678912	213.6	1.028	11.1	7.2	2.17	7780	3.67	45738.46
011972526-03	OBS	No	0.675042	131.905242	215.0	2.375	9.6	10.9	2.17	7780	3.68	45738.01

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011972526-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT
011972526-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
011972526-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—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.

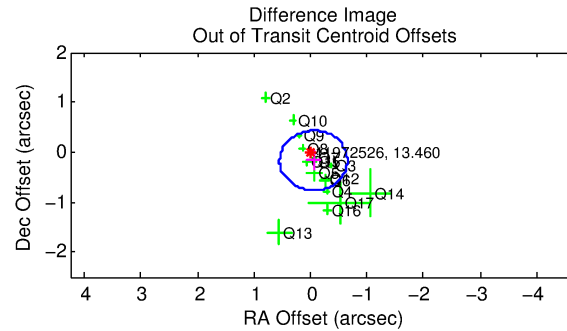
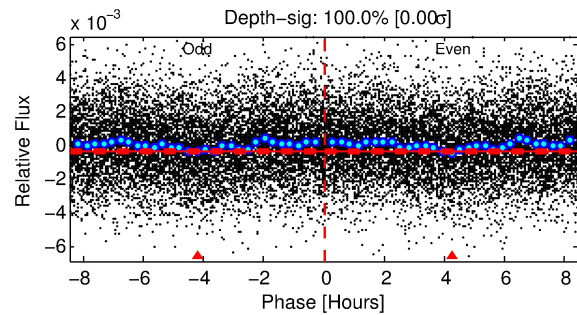
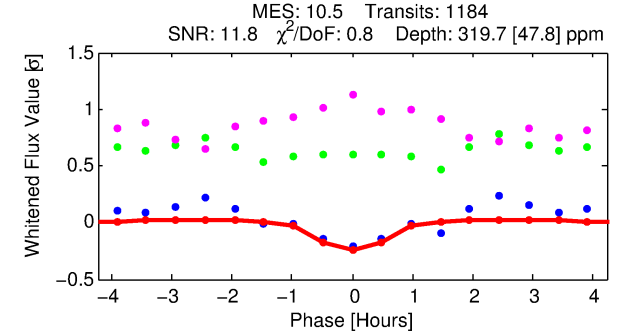
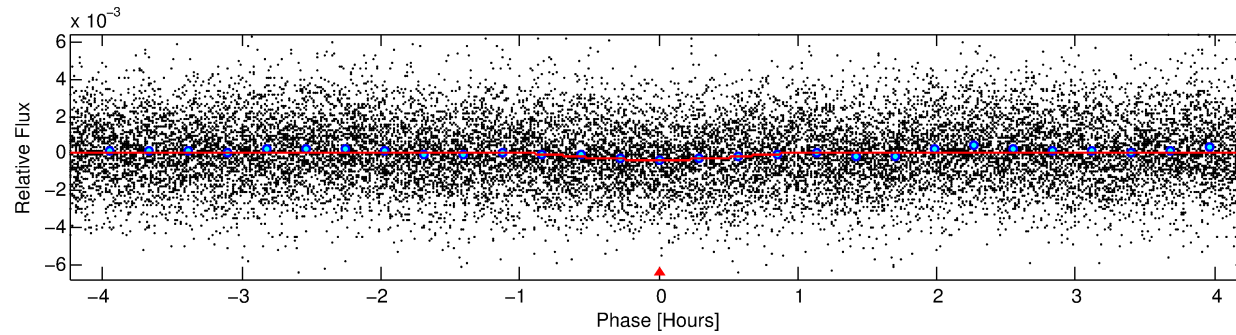
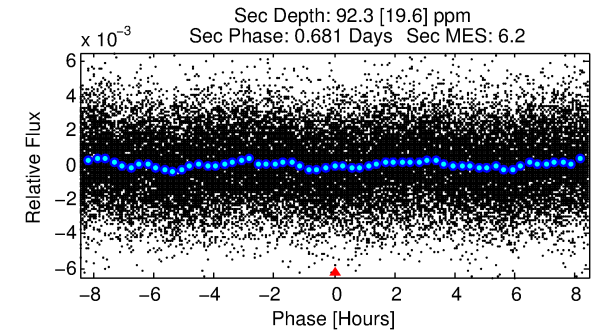
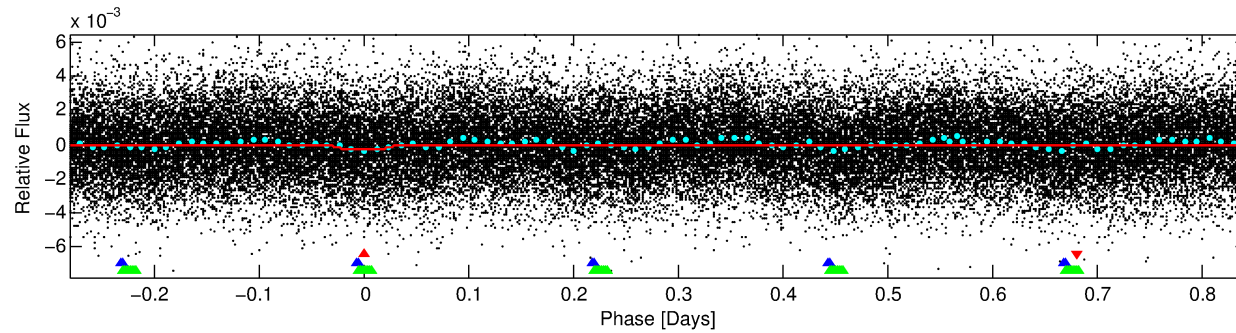
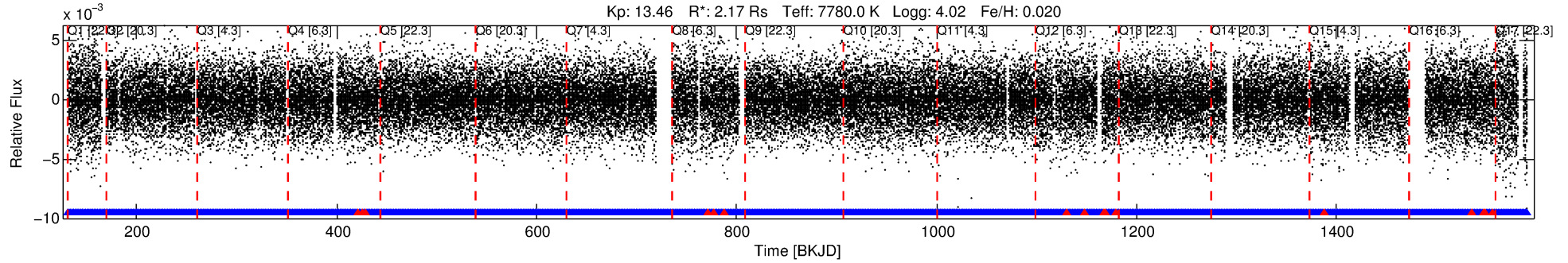
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011972526-01

No Significant Match Found

DV One-Page Summary

KIC: 11972526 Candidate: 1 of 3 Period: 1.125 d



DV Fit Results:

Period = 1.12506 [0.00001] d
Epoch = 131.6858 [0.0023] BKJD
Rp/R* = 0.0190 [0.0113]
a/R* = 3.05 [10.21]
b = 0.90 [0.80]
Seff = 23146.41 [8745.38]
Teq = 3145 [297] K
Rp = 4.50 [2.93] Re
a = 0.0258 [0.0060] AU
Ag = 1.67 [2.08] [0.32σ]
Teffp = 5526 [1676] K [1.40σ]

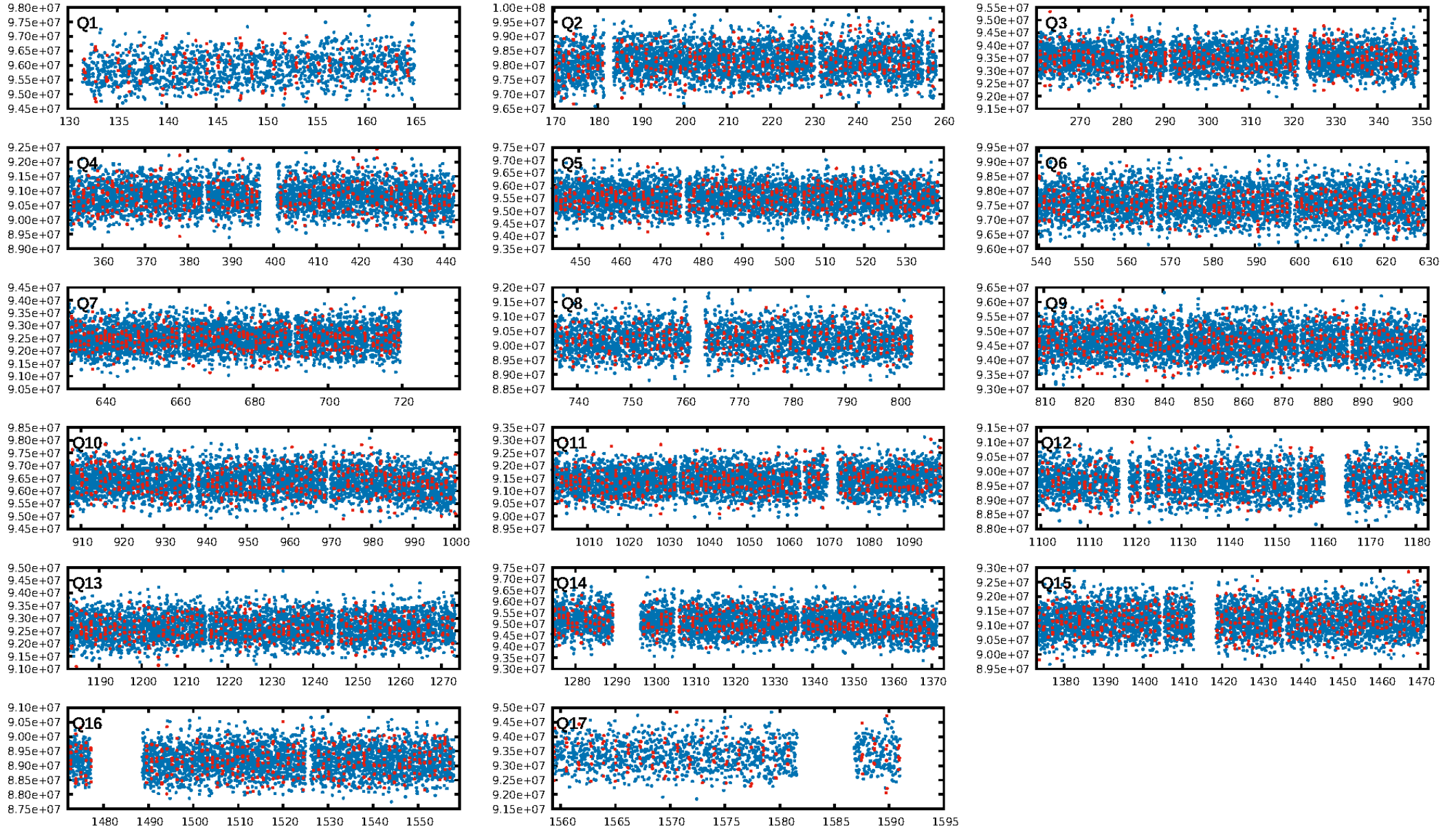
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [3.91σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.34e-24
RollingBand-fgt: 0.99 [1114/1130]
GhostDiagnostic-chr: 1.349
Centroid-sig: 0.1%
Centroid-so: 0.379 arcsec [2.30σ]
OotOffset-rm: 0.176 arcsec [0.88σ]
KicOffset-rm: 0.315 arcsec [1.66σ]
OotOffset-st: 4/3/4/5 [16]
KicOffset-st: 4/3/4/5 [16]
DiffImageQuality-fgm: 0.88 [14/16]
DiffImageOverlap-fno: 0.00 [0/17]

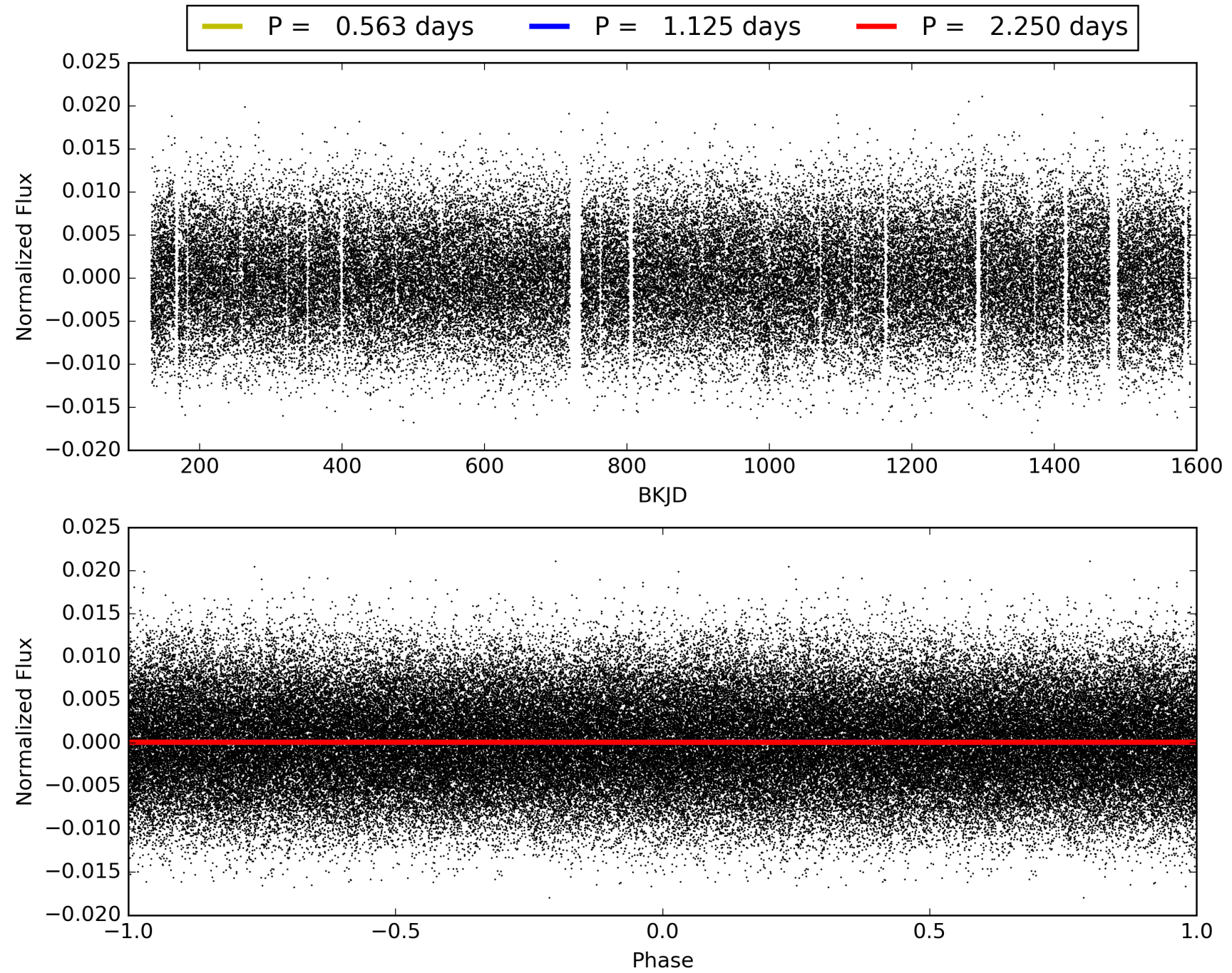
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 00:22:23 Z

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

TCE 011972526-01, PDC Light Curves

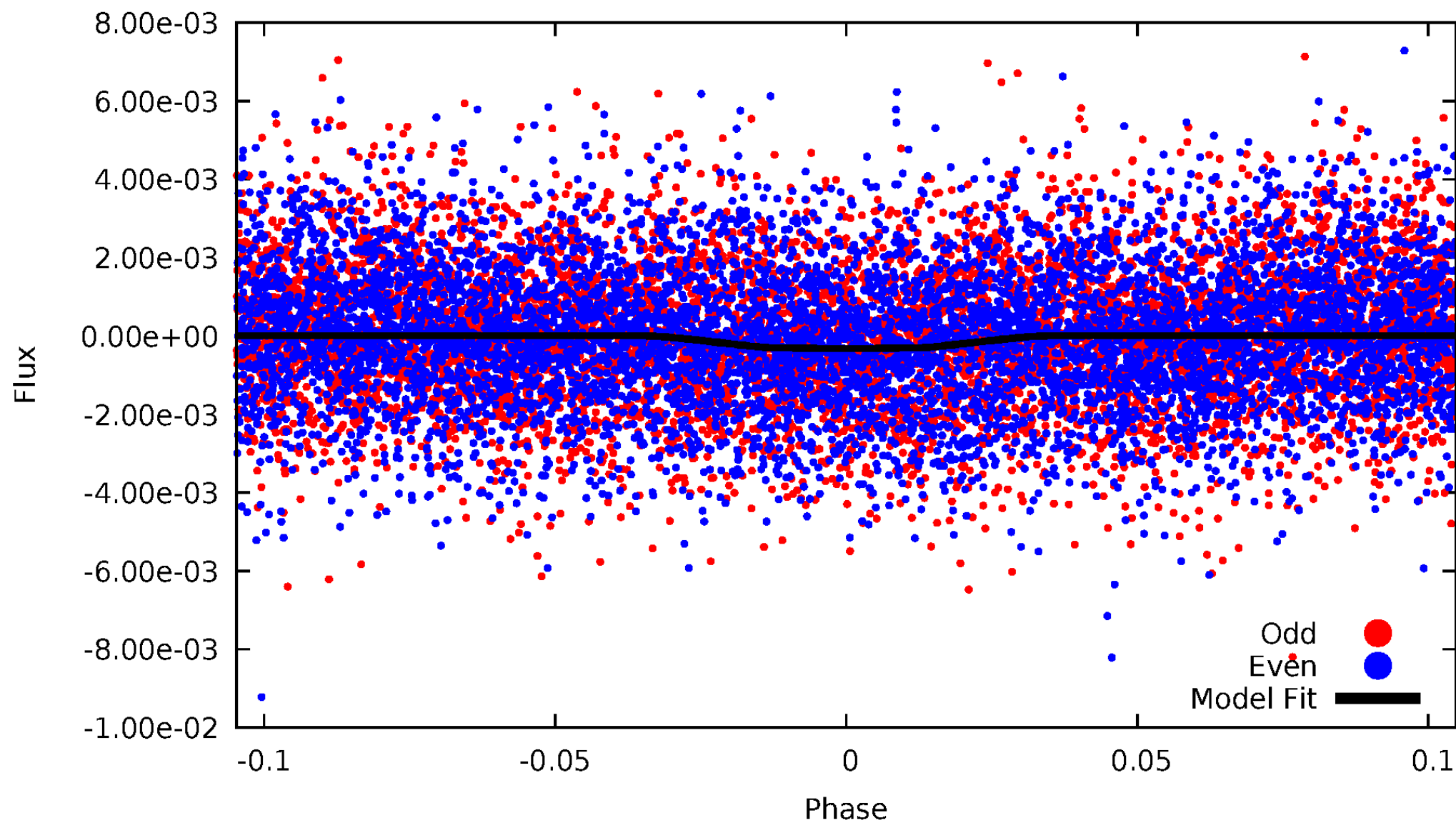


TCE 011972526-01



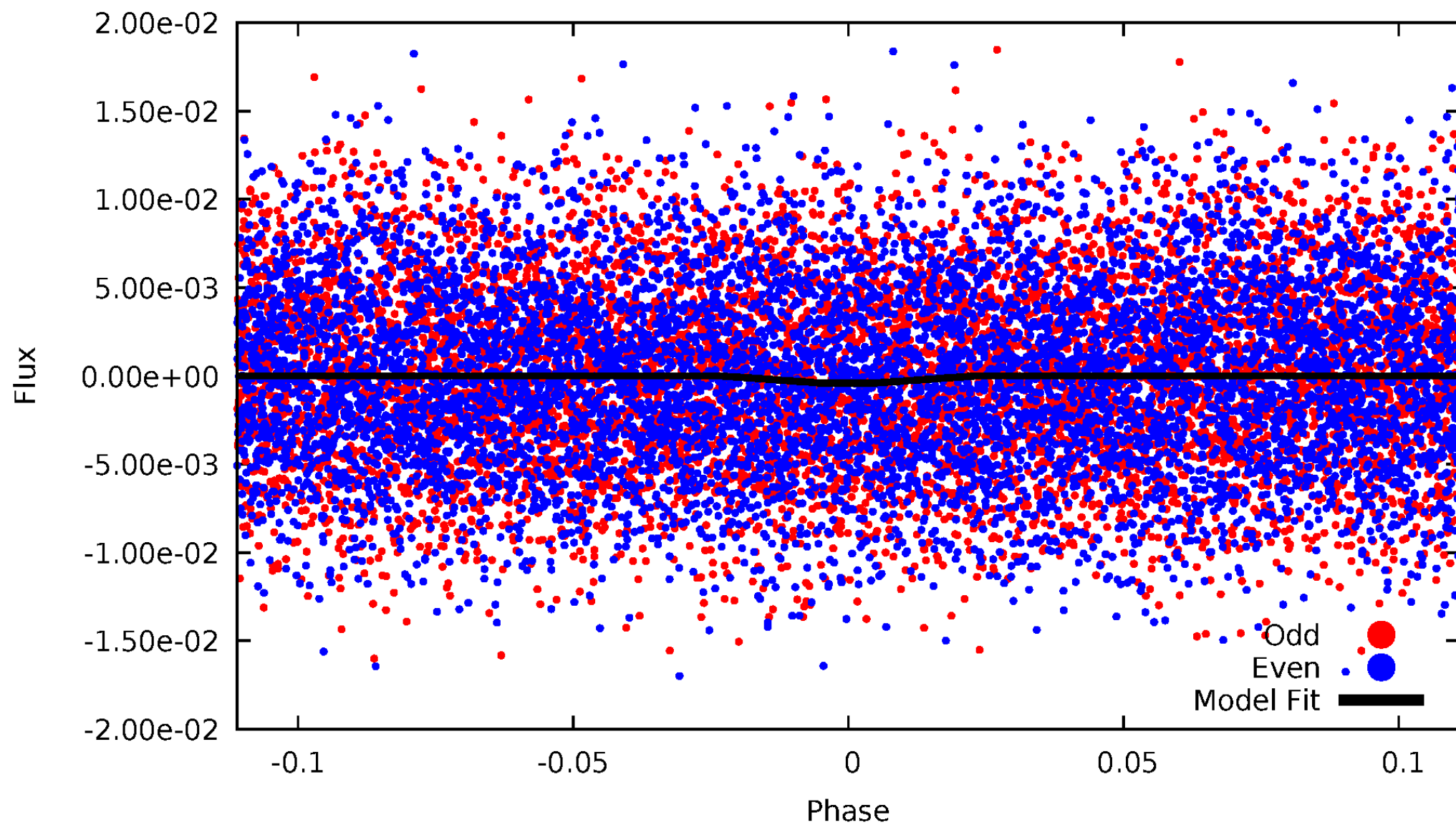
DV Odd/Even

TCE 011972526-01

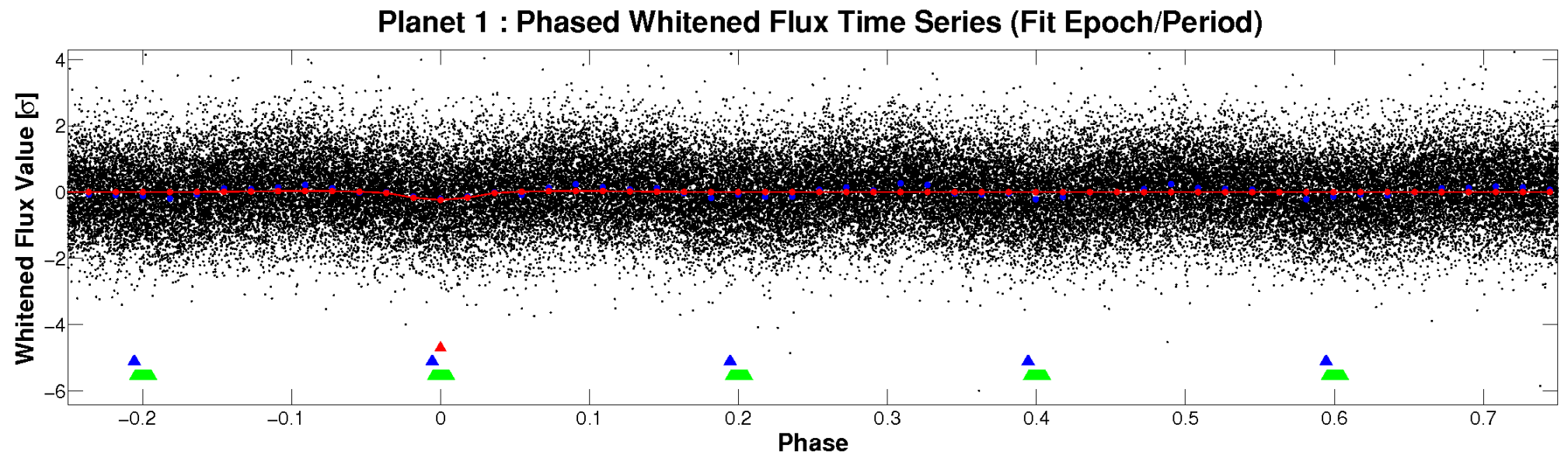
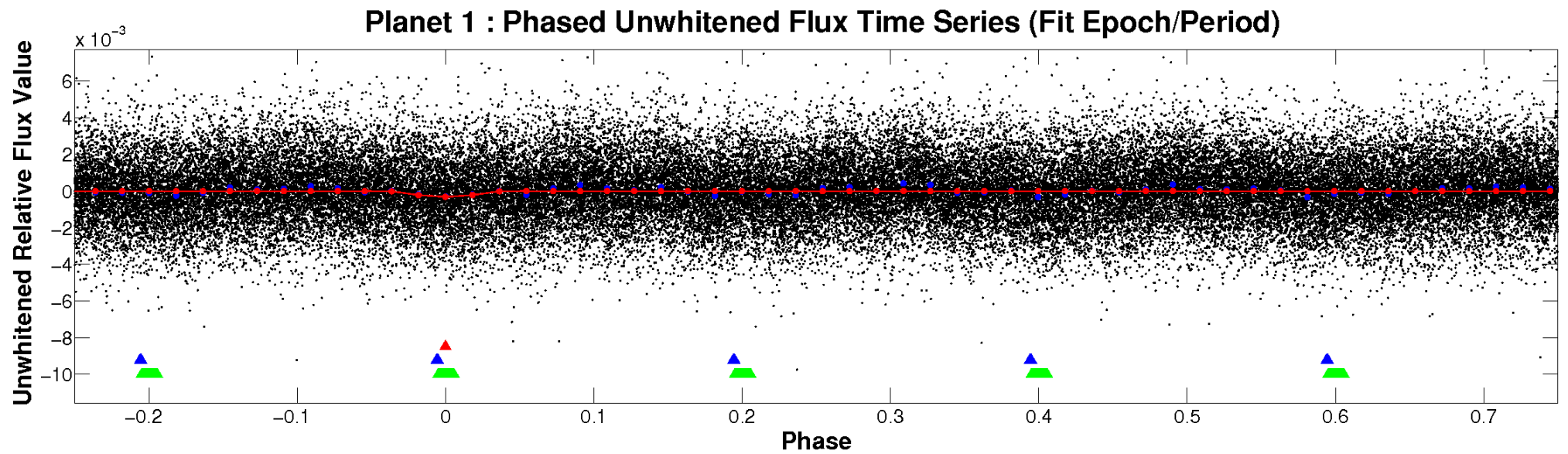


ALT Odd/Even

TCE 011972526-01

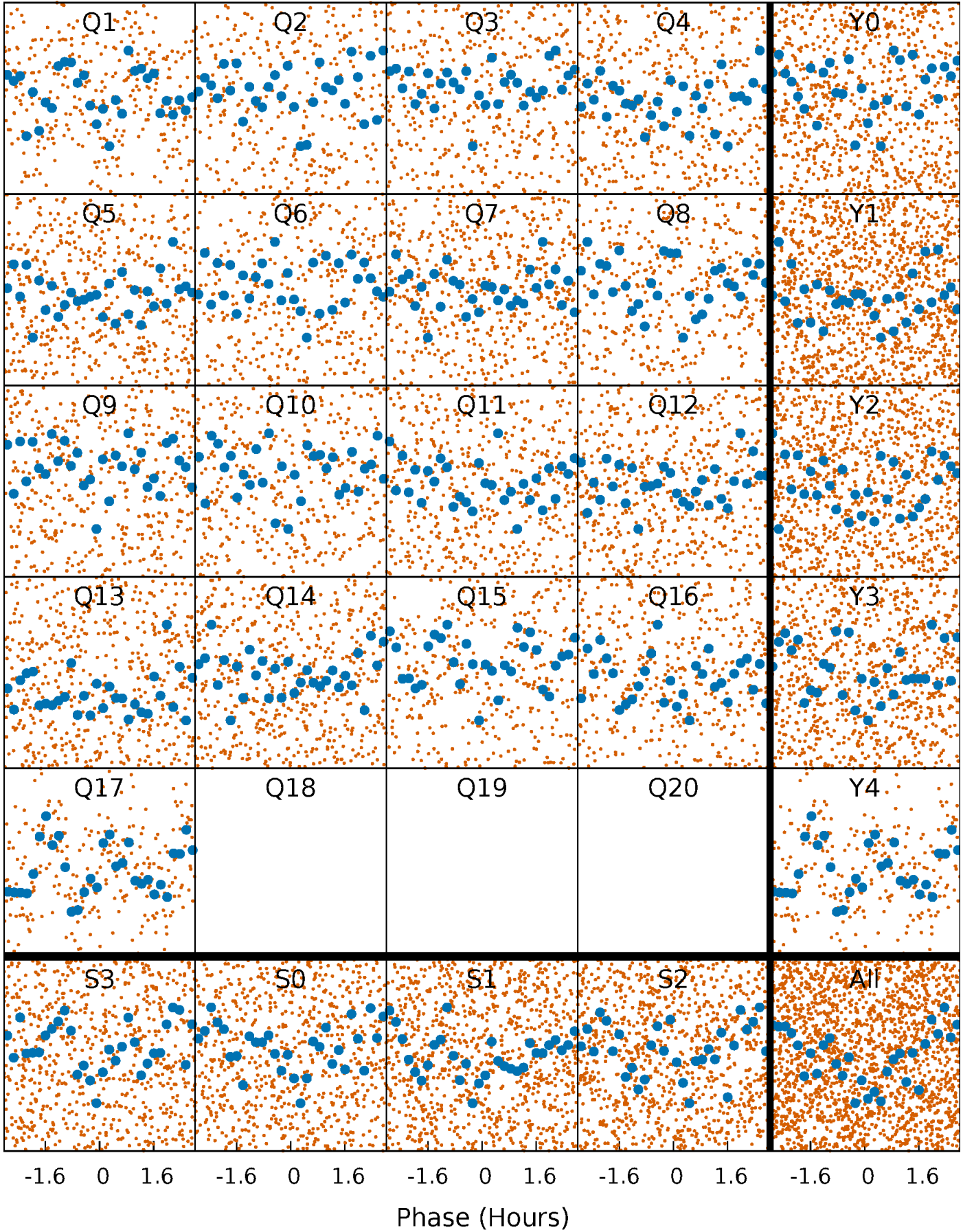


Non-Whitened Vs. Whitened Light Curve



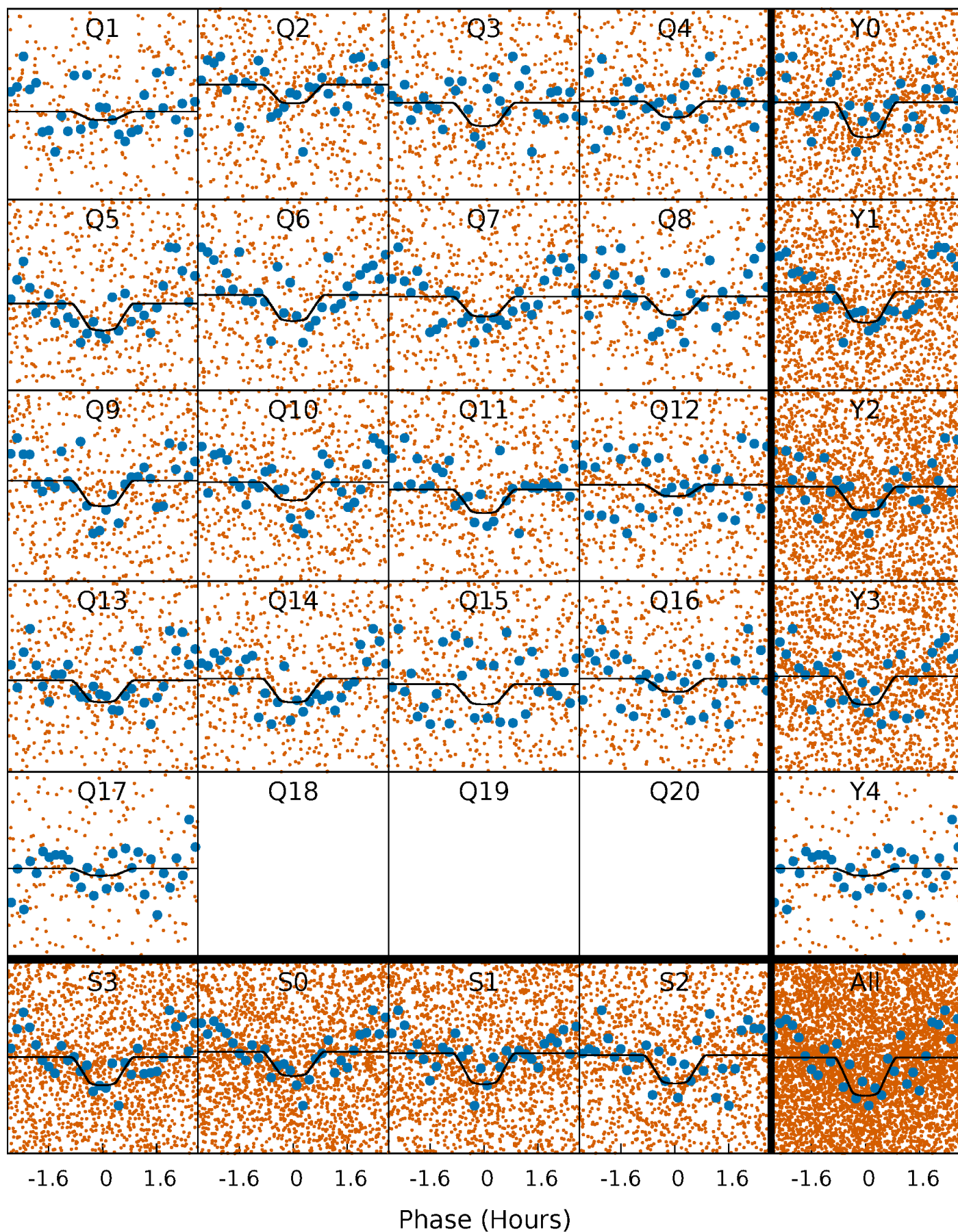
PDC Quarter-Phased Transit Curves

TCE 011972526-01 P= 1.125061 Days $T_0=131.685773$ (BKJD)



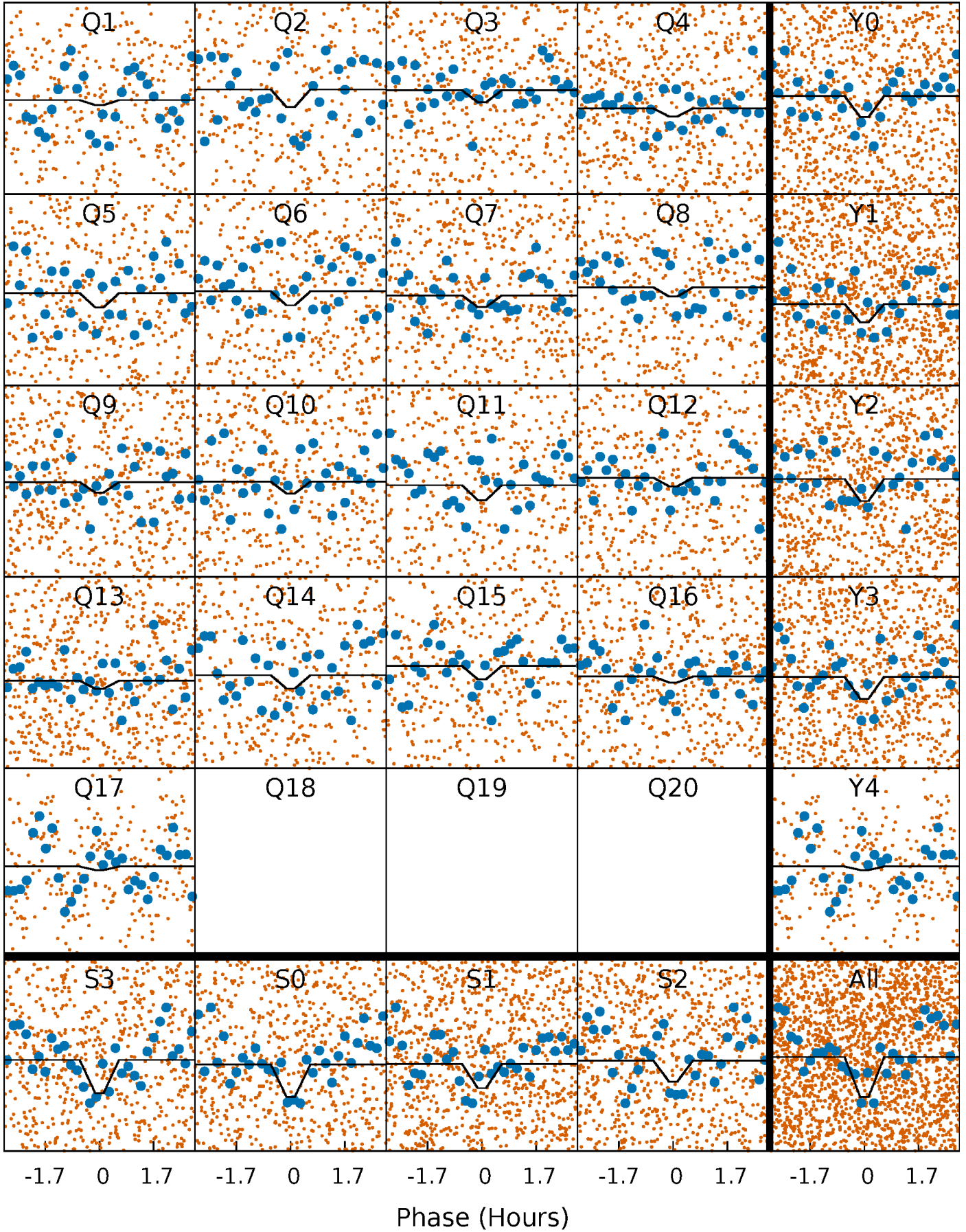
DV Quarter-Phased Transit Curves

TCE 011972526-01 P= 1.125061 Days $T_0=131.685773$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

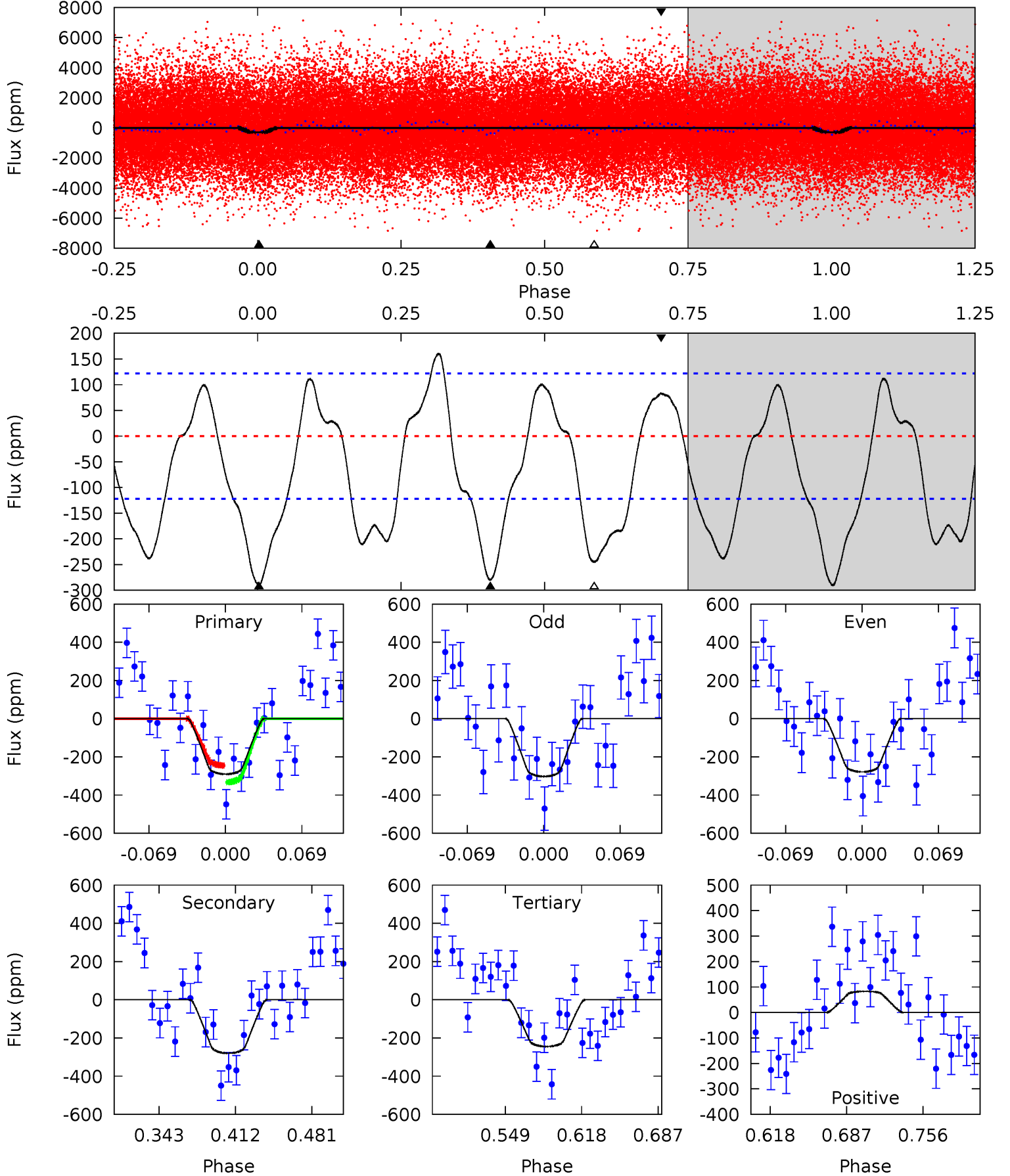
TCE 011972526-01 P= 1.125071 Days $T_0=131.687422$ (BKJD)



DV Model-Shift Uniqueness Test

011972526-01, P = 1.125061 Days, E = 130.560712 Days

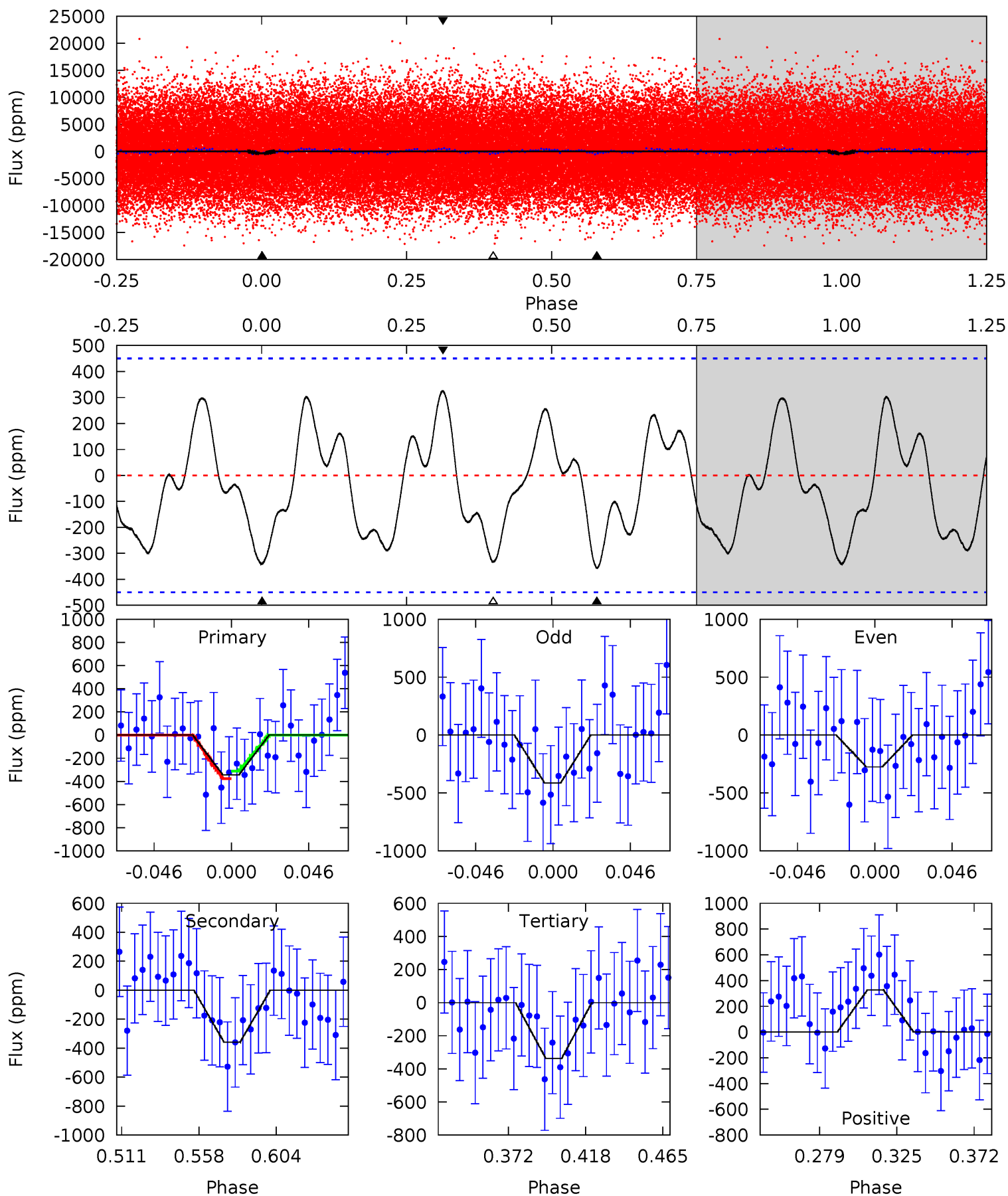
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.1	10.7	9.32	3.16	4.64	1.82	4.49	1.74	7.91	1.34	7.50	0.46	0.99	0.36	1.67



Alt Model-Shift Uniqueness Test

011972526-01, P = 1.125071 Days, E = 130.562351 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.61	3.78	3.53	3.44	4.72	1.99	1.85	0.08	0.17	0.25	0.33	0.73	0.74	0.48	0.34



Stellar Parameters For KIC 011972526

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7780^{+214}_{-322}	$4.024^{+0.187}_{-0.153}$	$0.020^{+0.150}_{-0.400}$	$2.167^{+0.483}_{-0.590}$	$1.808^{+0.155}_{-0.336}$	$0.250^{+0.285}_{-0.109}$
	+3%/-4%	+5%/-4%	+750%/-2000%	+22%/-27%	+9%/-19%	+114%/-43%
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 011972526-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-280 ± 26	$4.60^{+2.58}_{-2.35}$	4384^{+304}_{-327}	6951^{+4161}_{-1538}	$4.646^{+14.228}_{-2.715}$
Alt.	-360 ± 95	$4.72^{+3.00}_{-2.67}$	4400^{+299}_{-329}	7311^{+6097}_{-1761}	$5.760^{+23.554}_{-3.728}$

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 $A_{obs} \gg 1.0$

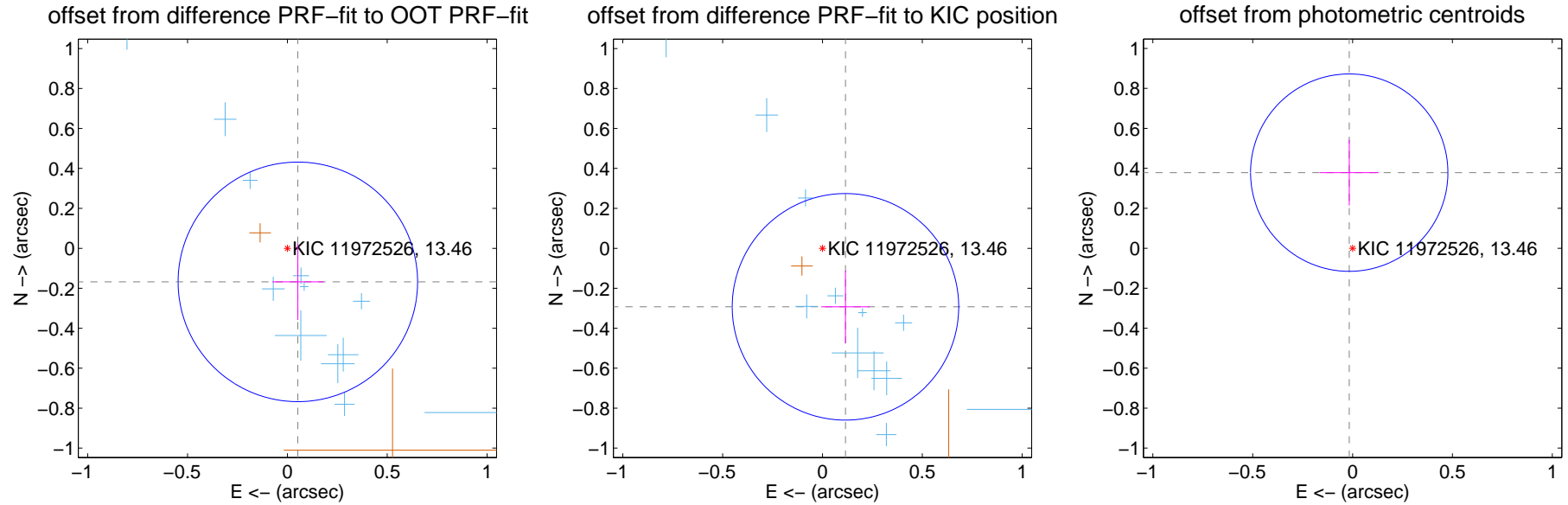
DV Centroid Data

Supplemental centroid analysis for 011972526-01. Kepler magnitude: 13.46. Transit SNR 11.76

There are 14 quarters with good PRF difference image offsets

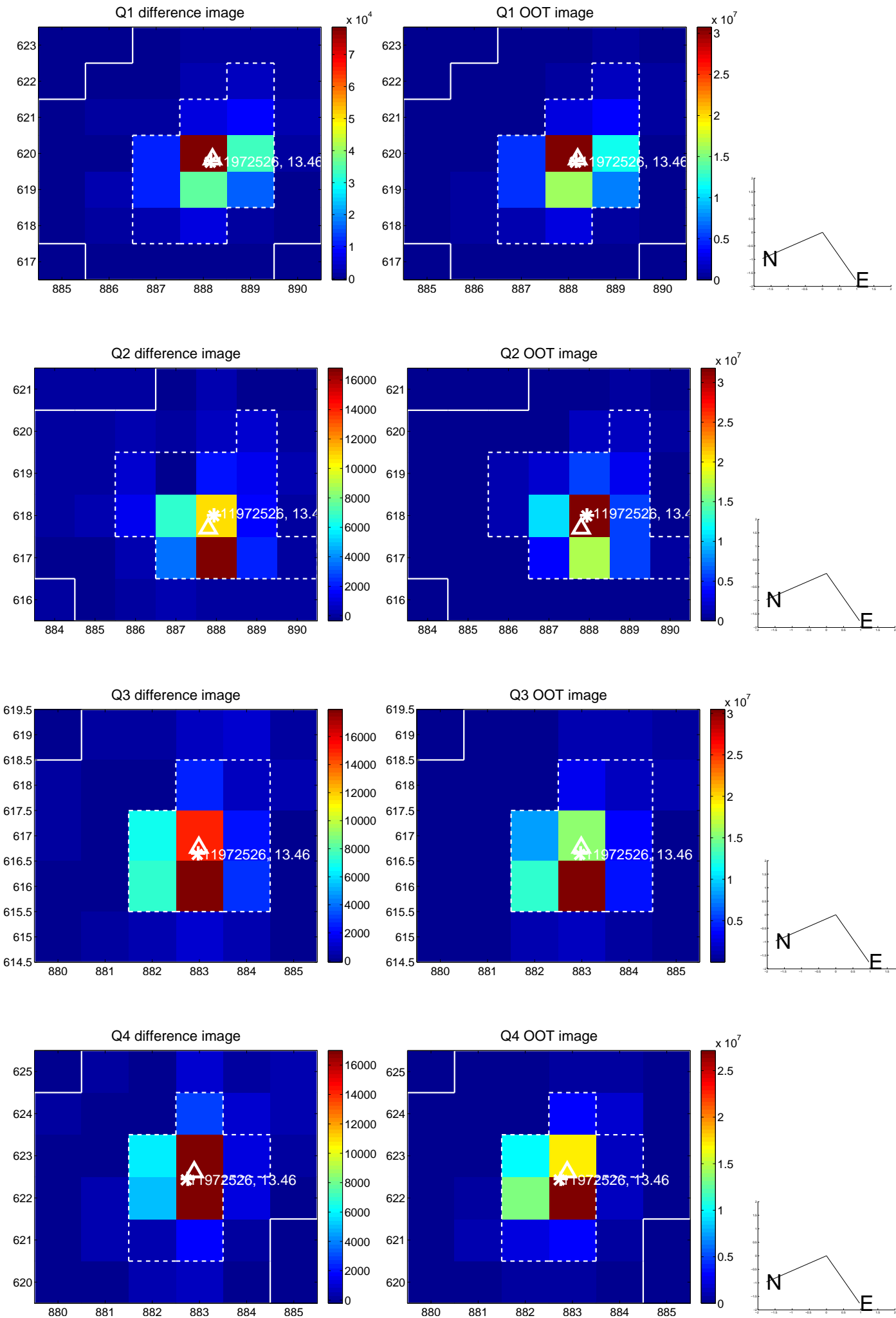
The direct PRF centroid is offset from the target star catalog position by about 0.15 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.176 ± 0.200	0.88	-0.052 ± 0.129	-0.168 ± 0.191
PRF-fit source offset from KIC position	0.315 ± 0.189	1.66	-0.115 ± 0.121	-0.293 ± 0.182
photometric centroid source offset	0.38 ± 0.16	2.30	0.02 ± 0.15	0.38 ± 0.16

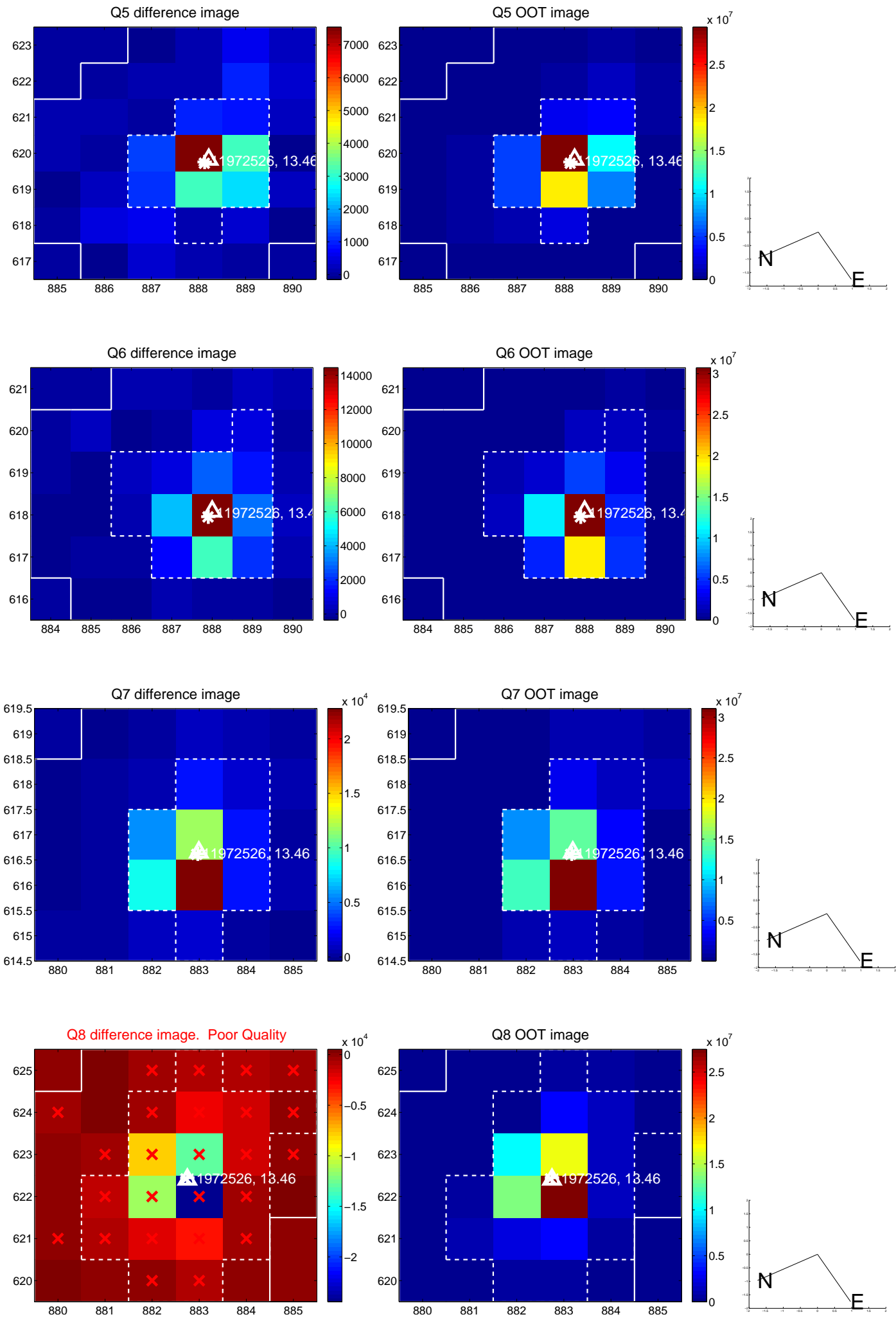


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

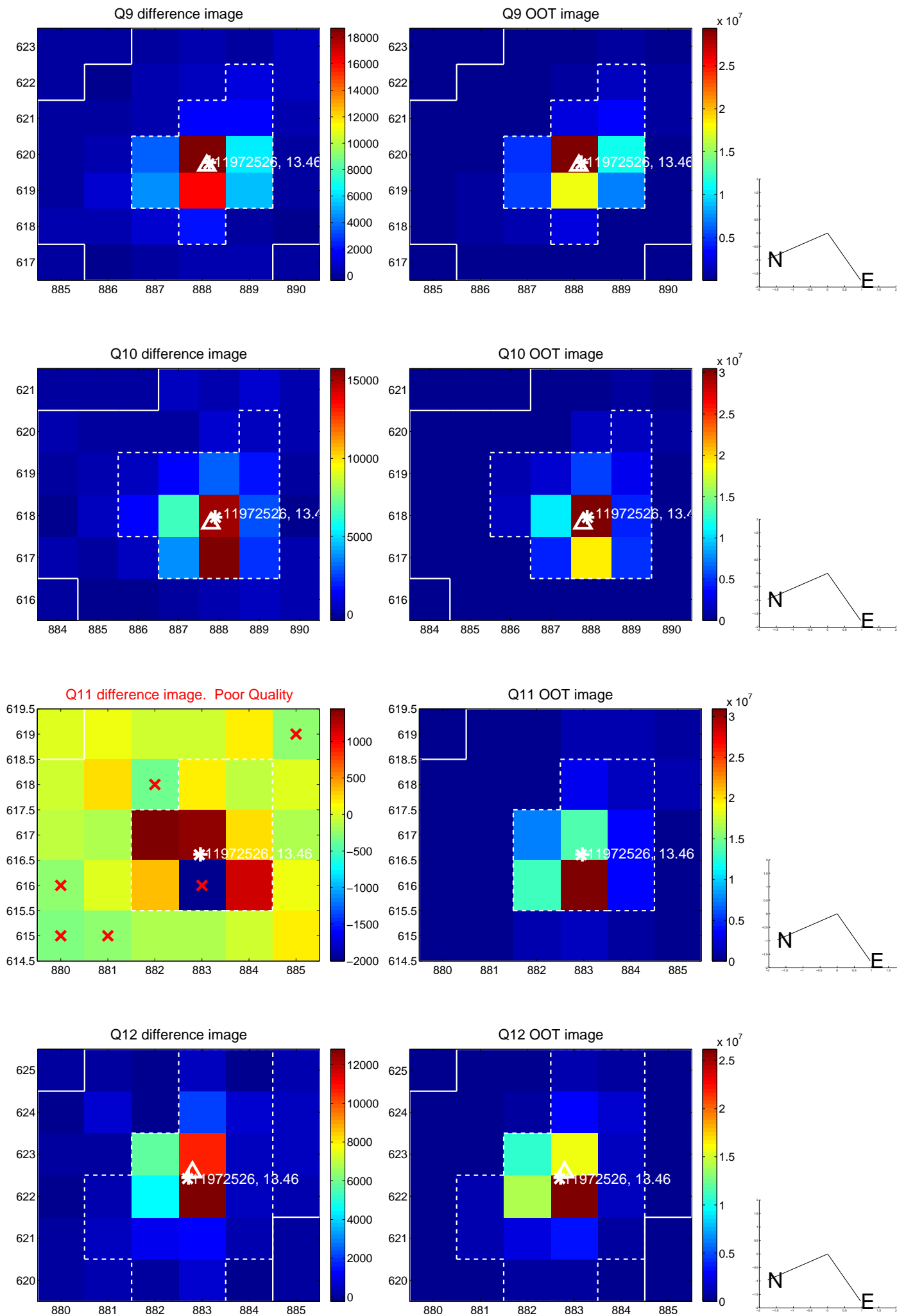
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



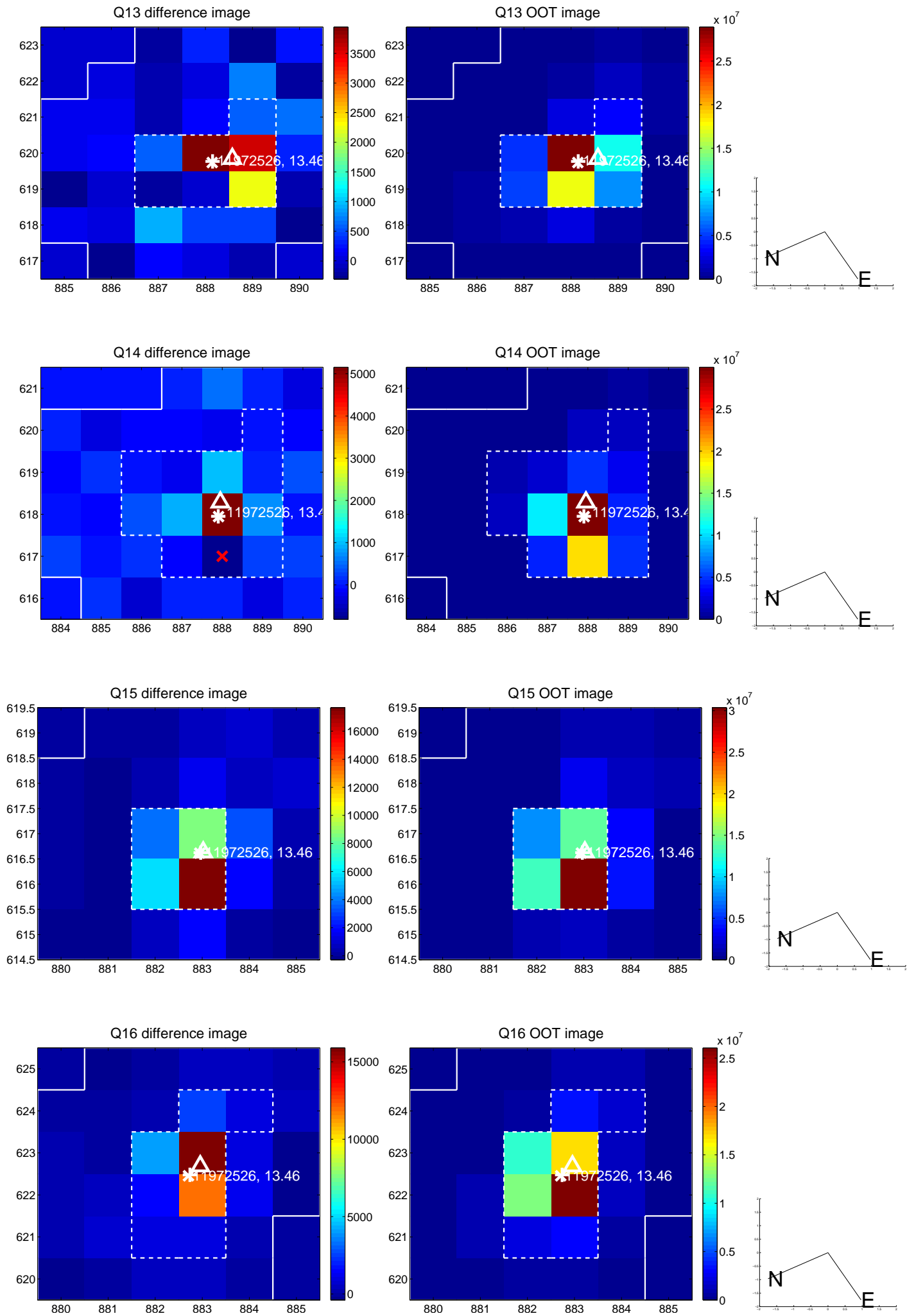
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



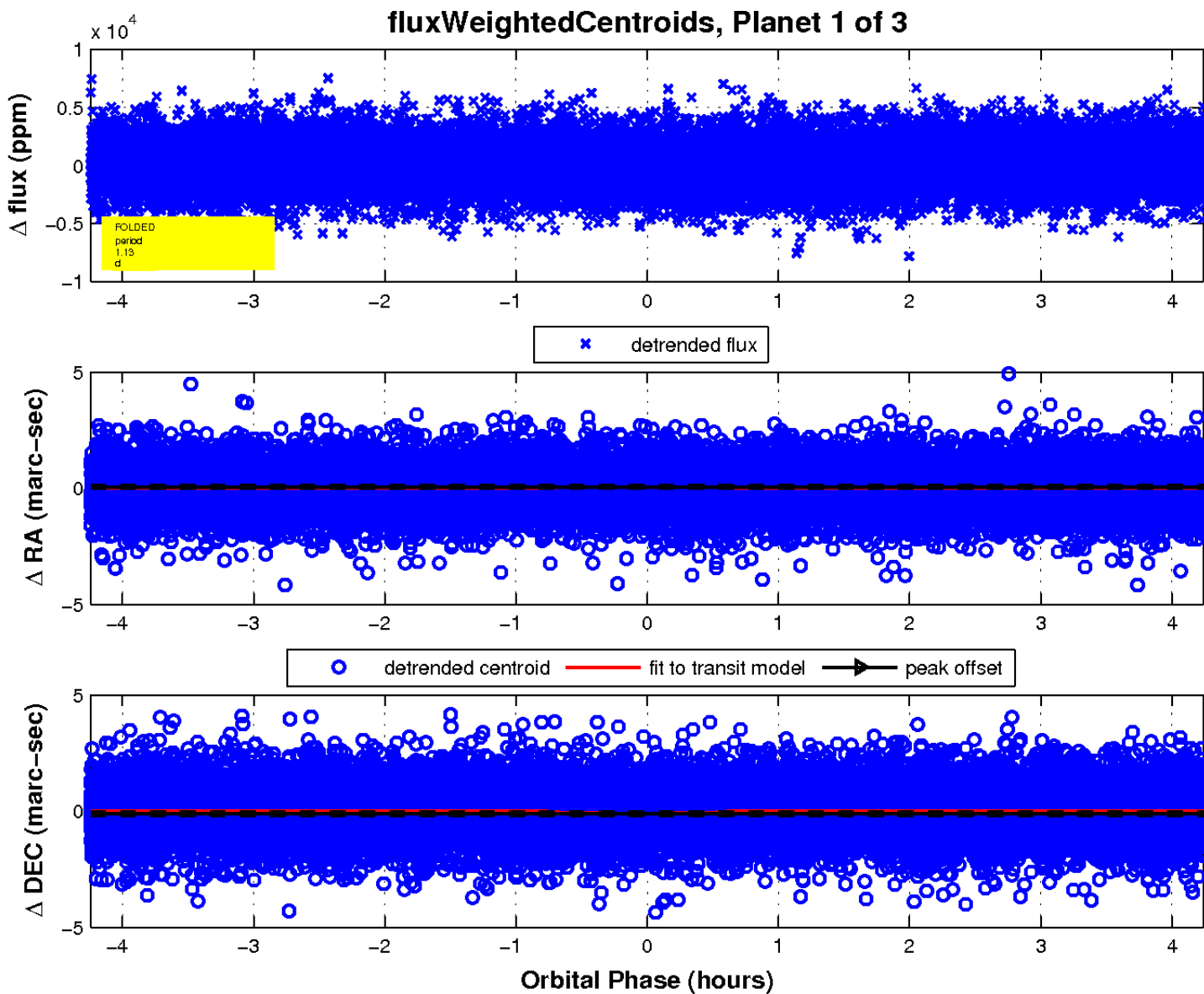
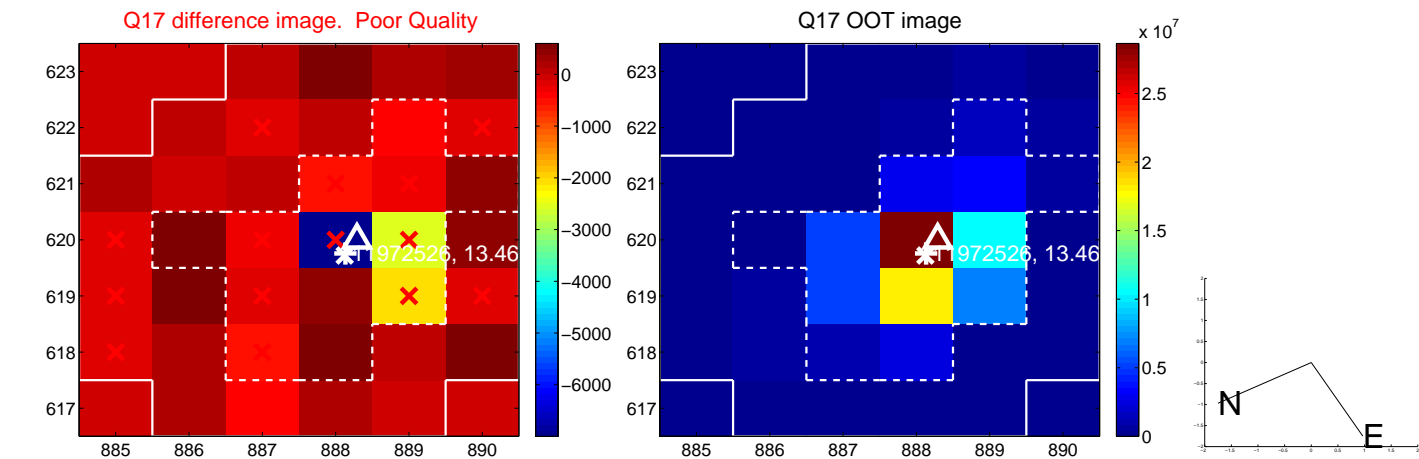
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

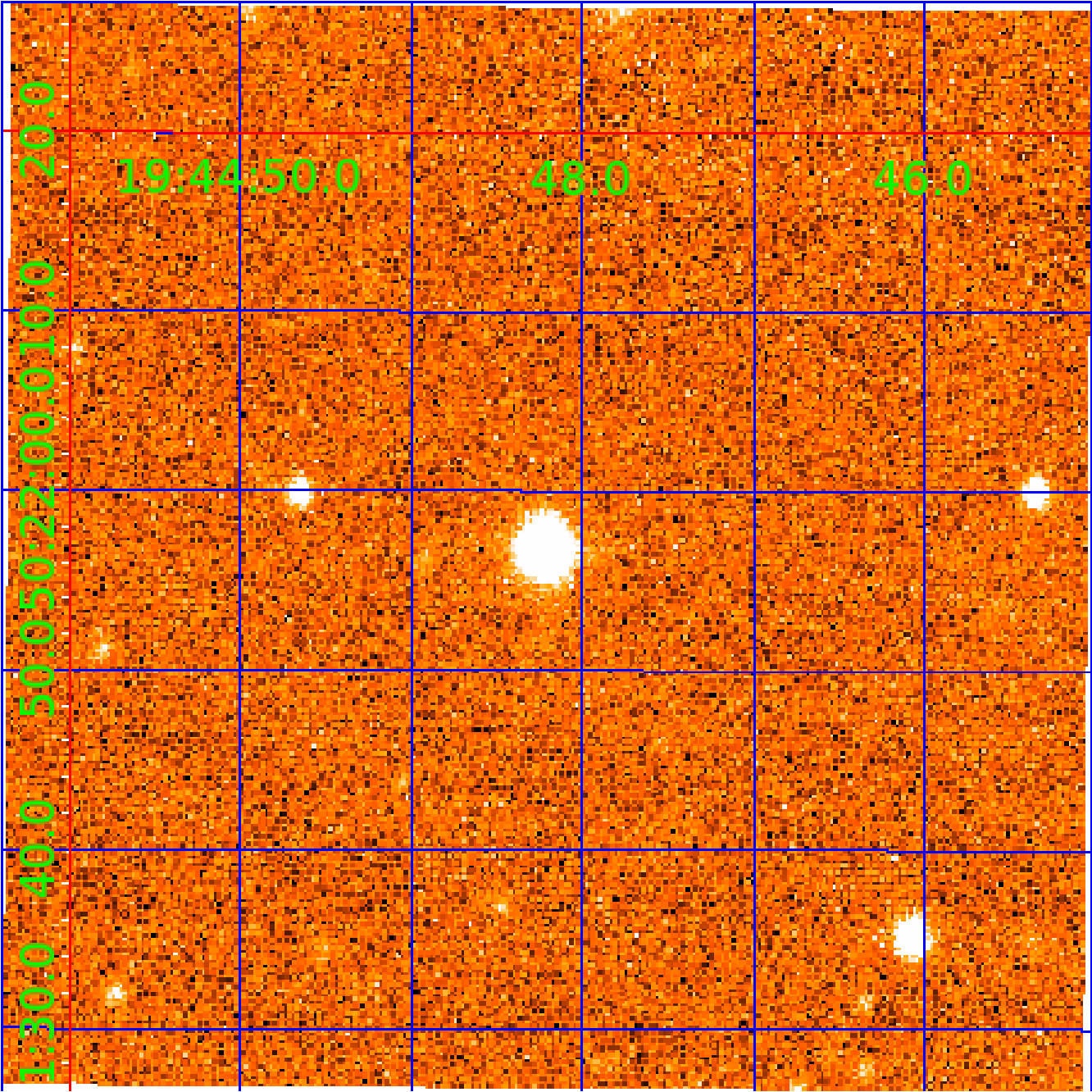


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011972526

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})
011972526-01	OBS	No	1.125061	131.685773	319.7	1.414	10.5	11.8	2.17	7780	4.50	23146.41
011972526-02	OBS	No	0.675037	131.678912	213.6	1.028	11.1	7.2	2.17	7780	3.67	45738.46
011972526-03	OBS	No	0.675042	131.905242	215.0	2.375	9.6	10.9	2.17	7780	3.68	45738.01

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011972526-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT
011972526-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
011972526-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—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.

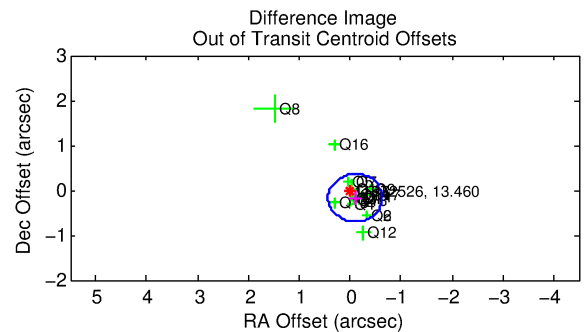
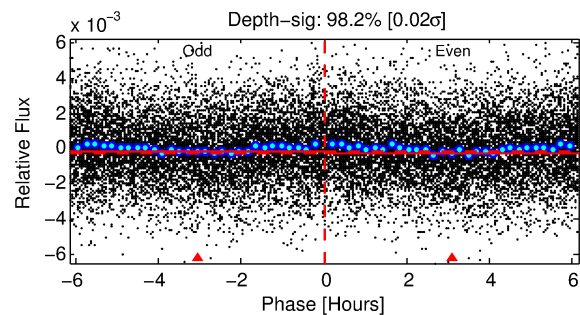
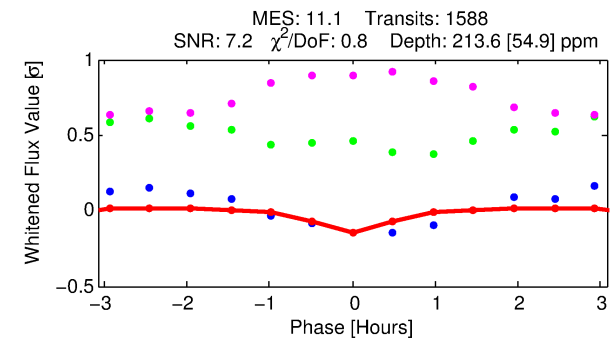
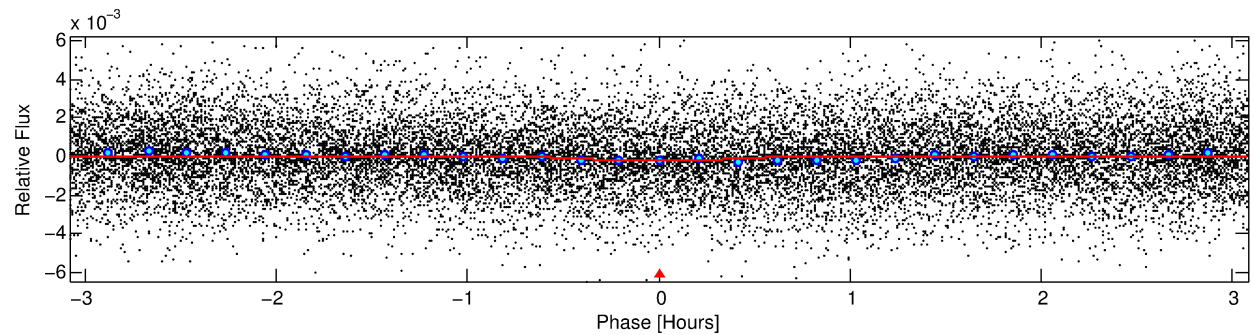
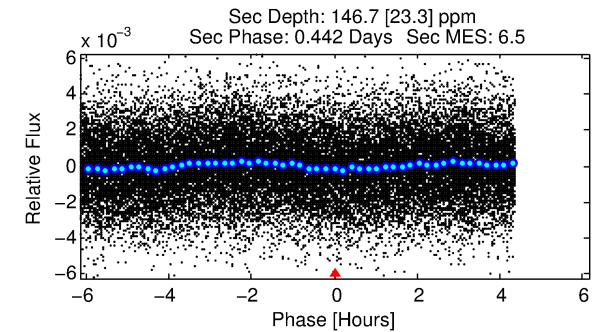
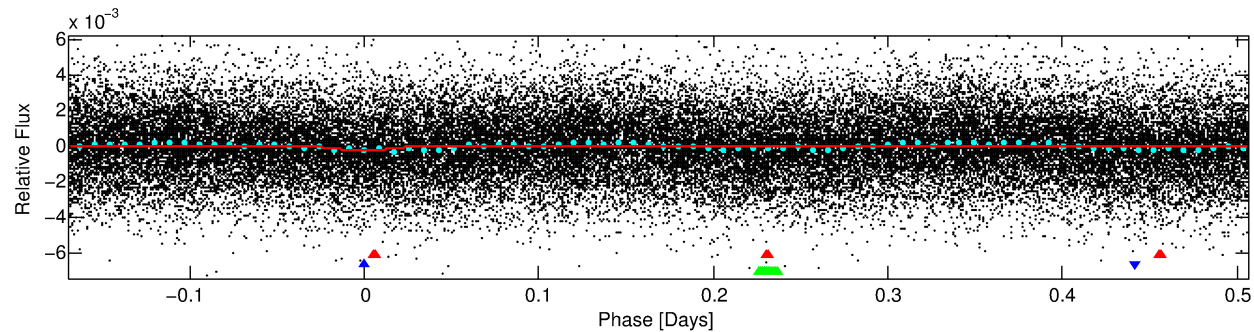
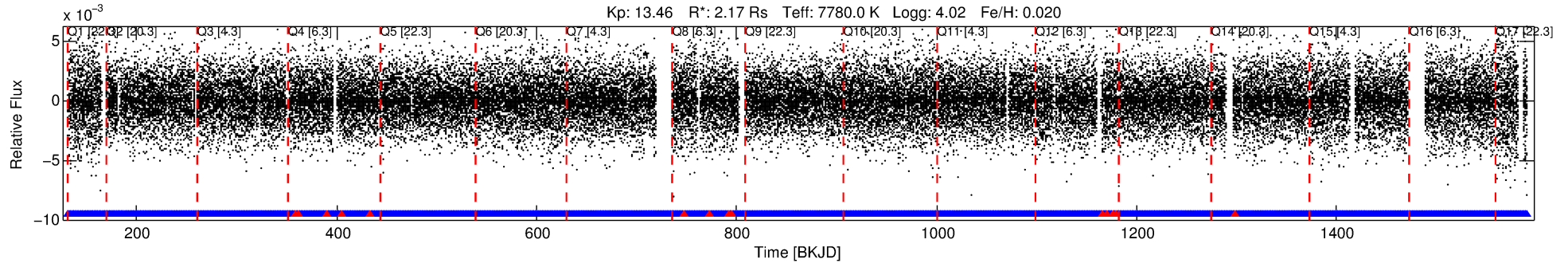
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011972526-02

No Significant Match Found

DV One-Page Summary

KIC: 11972526 Candidate: 2 of 3 Period: 0.675 d



DV Fit Results:

Period = 0.67504 [0.00001] d
Epoch = 131.6789 [0.0029] BKJD
Rp/R* = 0.0155 [0.0176]
a/R* = 2.63 [16.34]
b = 0.89 [1.73]
Seff = 45738.46 [17281.31]
Teq = 3729 [352] K
Rp = 3.67 [4.29] Re
a = 0.0184 [0.0042] AU
Ag = 2.02 [4.66] [0.22σ]
Teffp = 6875 [3930] K [0.80σ]

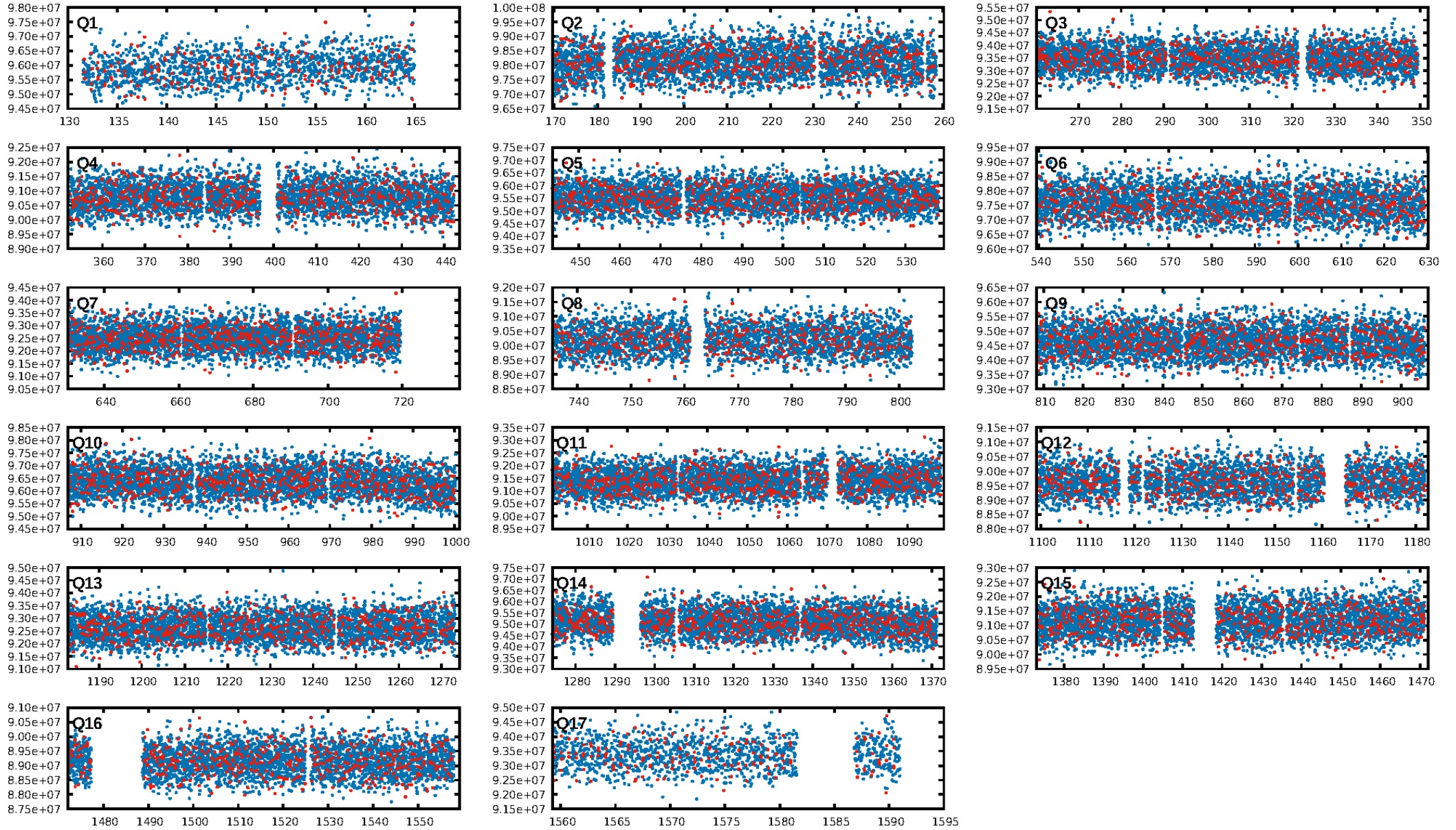
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 2.84e-29
RollingBand-fgt: 0.99 [1503/1517]
GhostDiagnostic-chr: 2.83
Centroid-sig: 17.3%
Centroid-so: 0.285 arcsec [1.41σ]
OotOffset-rm: 0.196 arcsec [1.11σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-rm: 0.293 arcsec [1.63σ]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 0.82 [14/17]
DiffImageOverlap-fno: 0.00 [0/17]

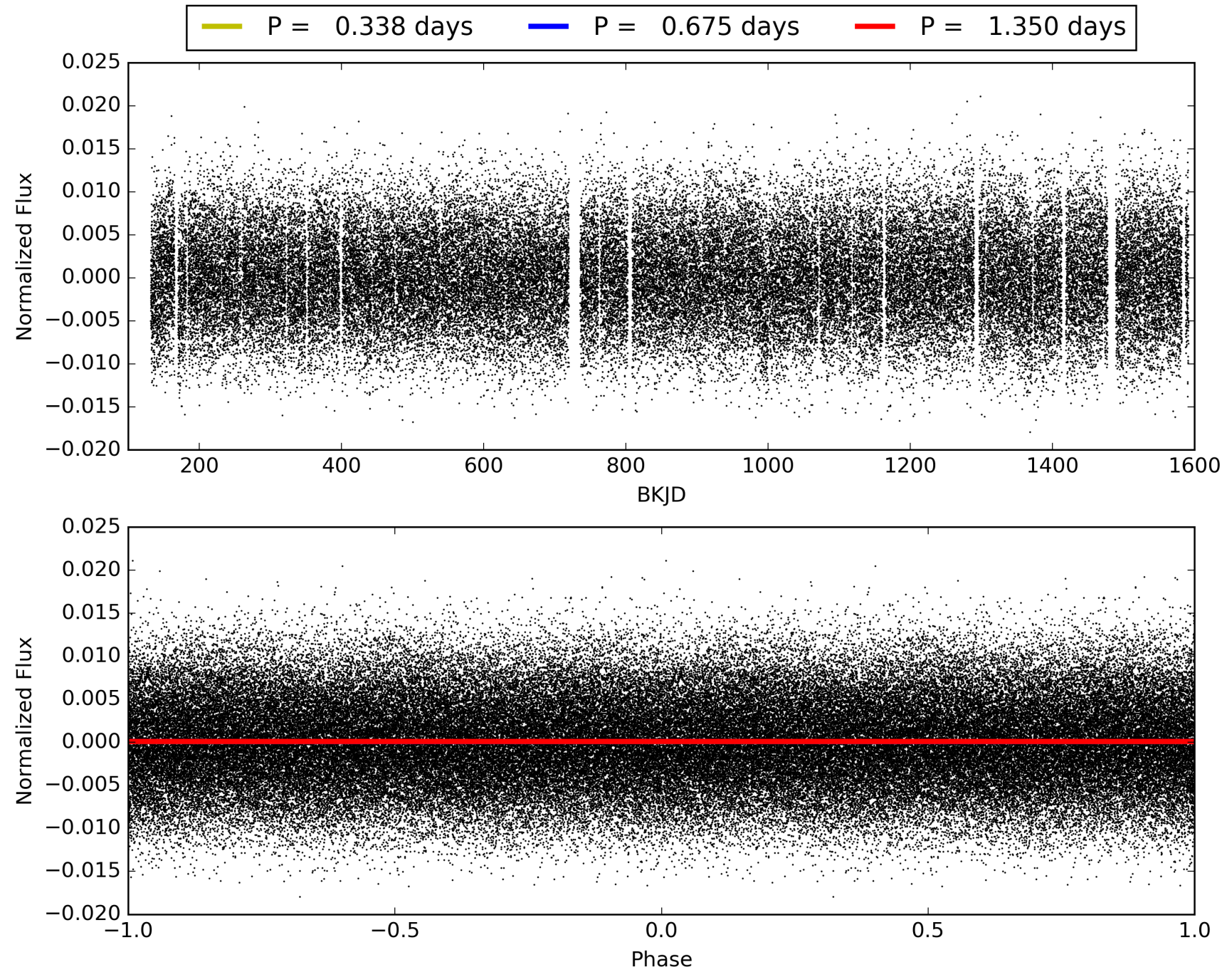
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 00:22:33 Z

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

TCE 011972526-02, PDC Light Curves

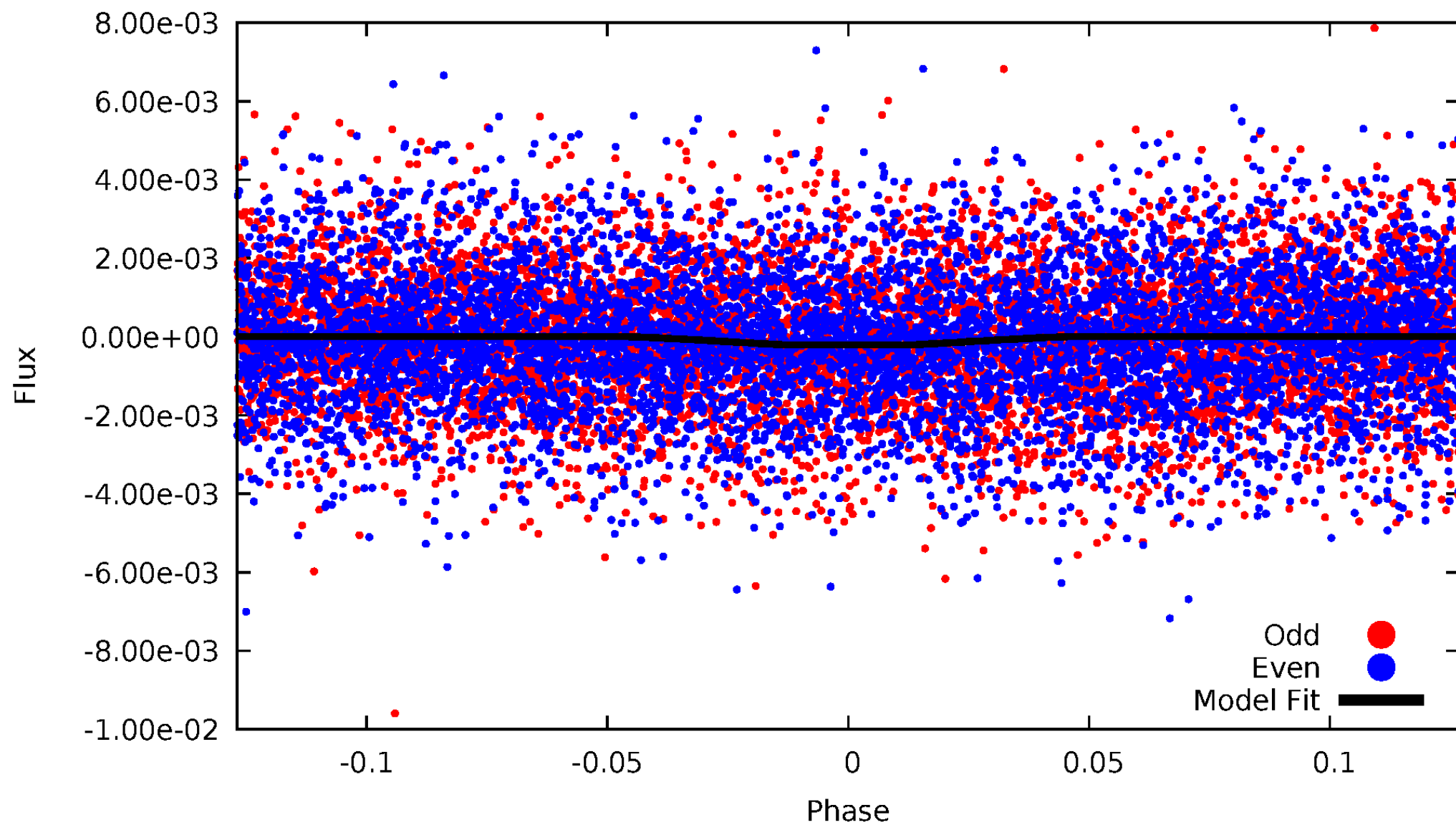


TCE 011972526-02



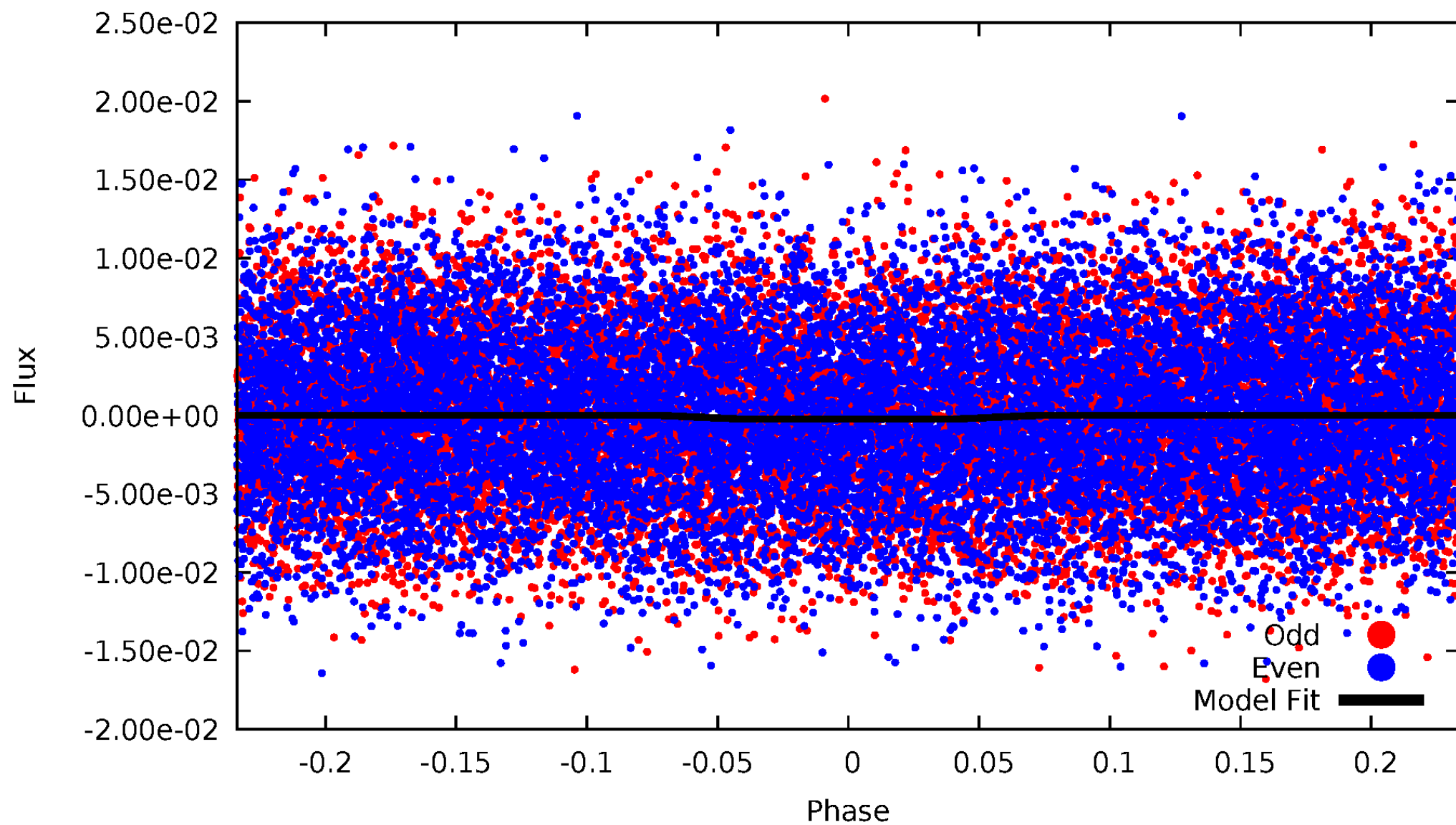
DV Odd/Even

TCE 011972526-02



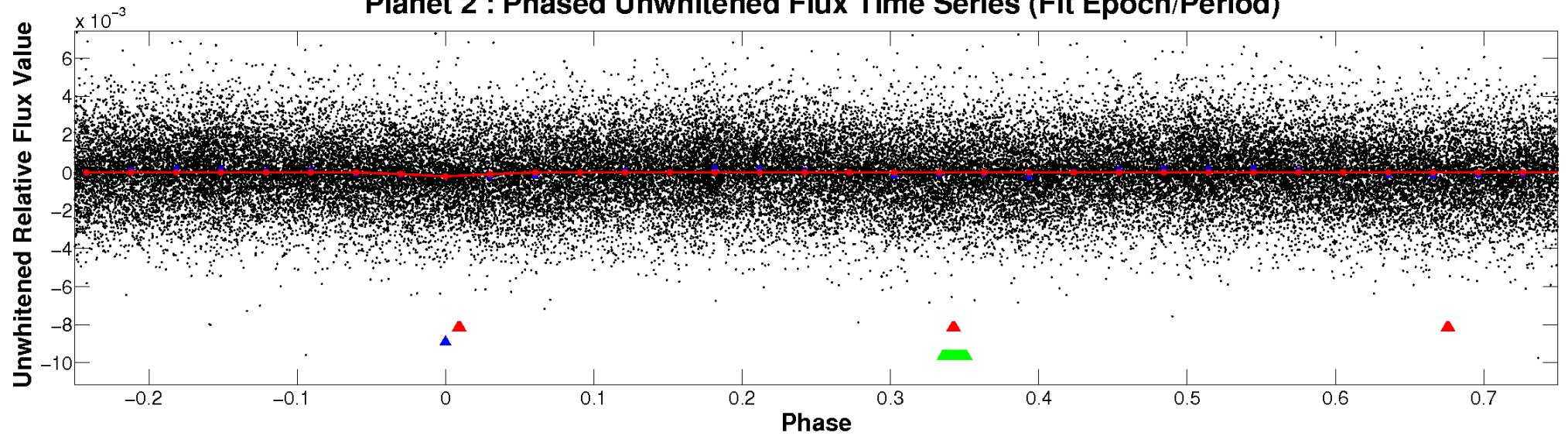
ALT Odd/Even

TCE 011972526-02

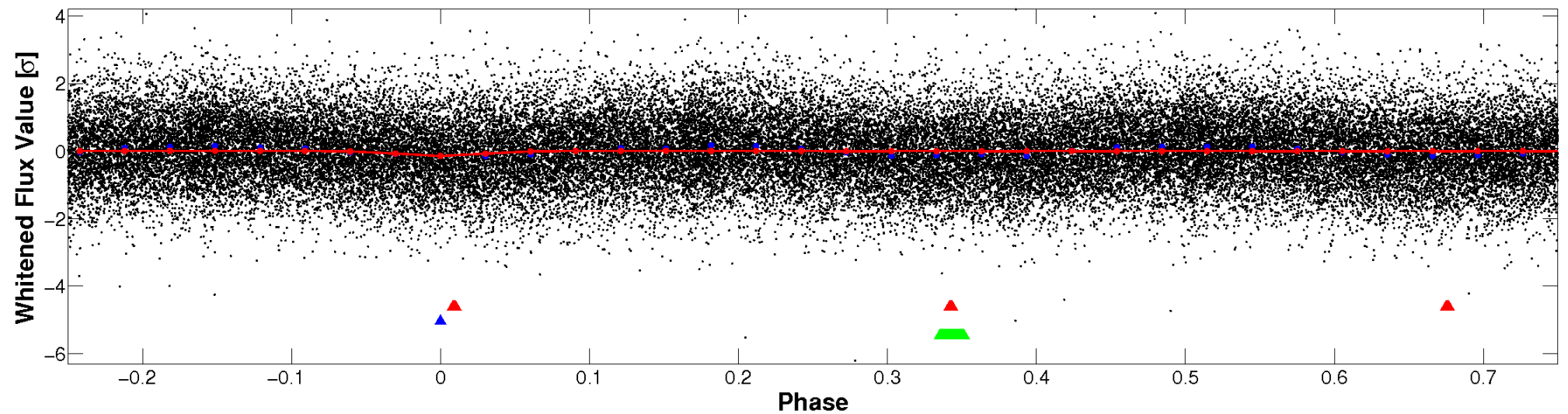


Non-Whitened Vs. Whitened Light Curve

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

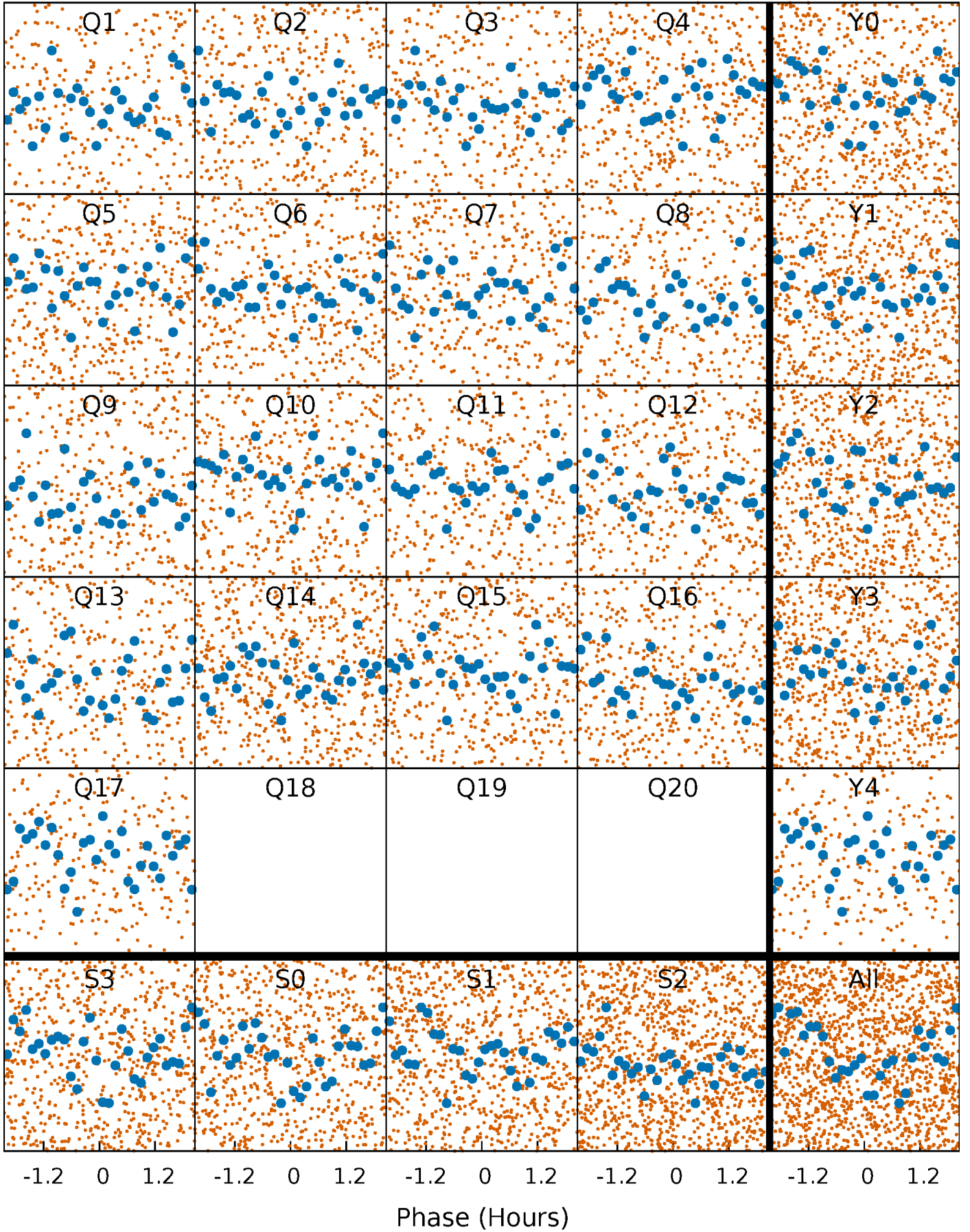


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



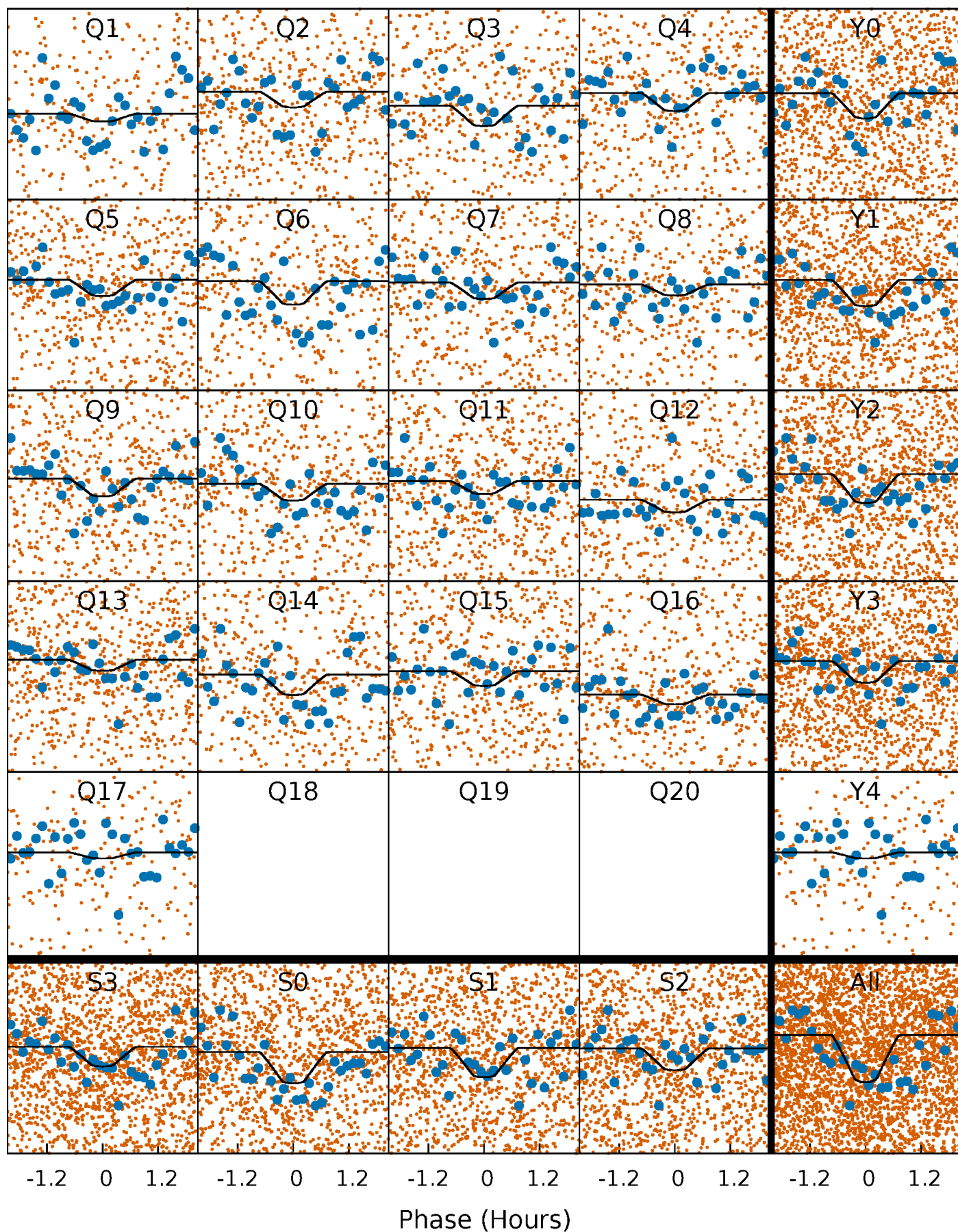
PDC Quarter-Phased Transit Curves

TCE 011972526-02 $P = 0.675037$ Days $T_0 = 131.678911$ (BKJD)



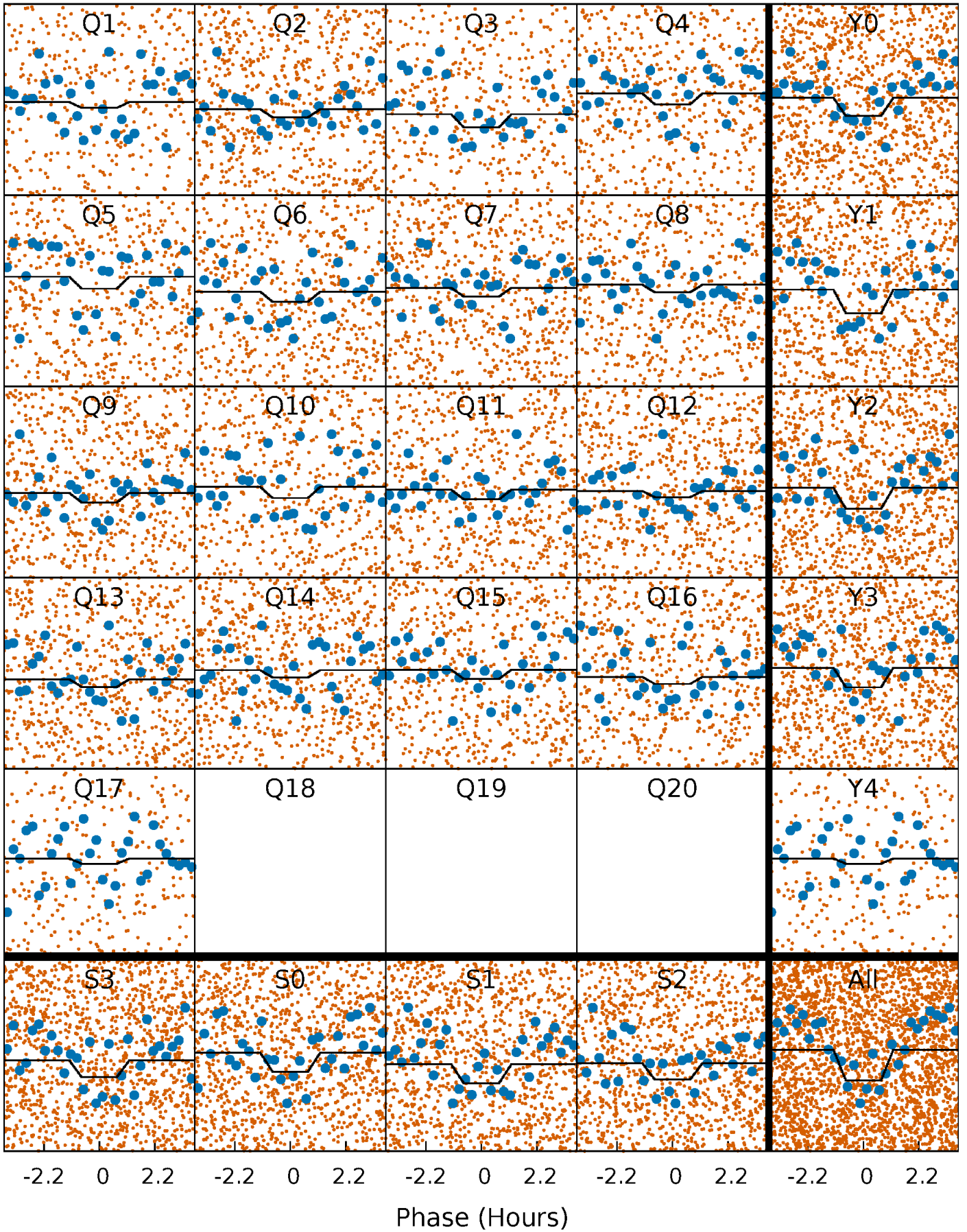
DV Quarter-Phased Transit Curves

TCE 011972526-02 P= 0.675037 Days $T_0=131.678911$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

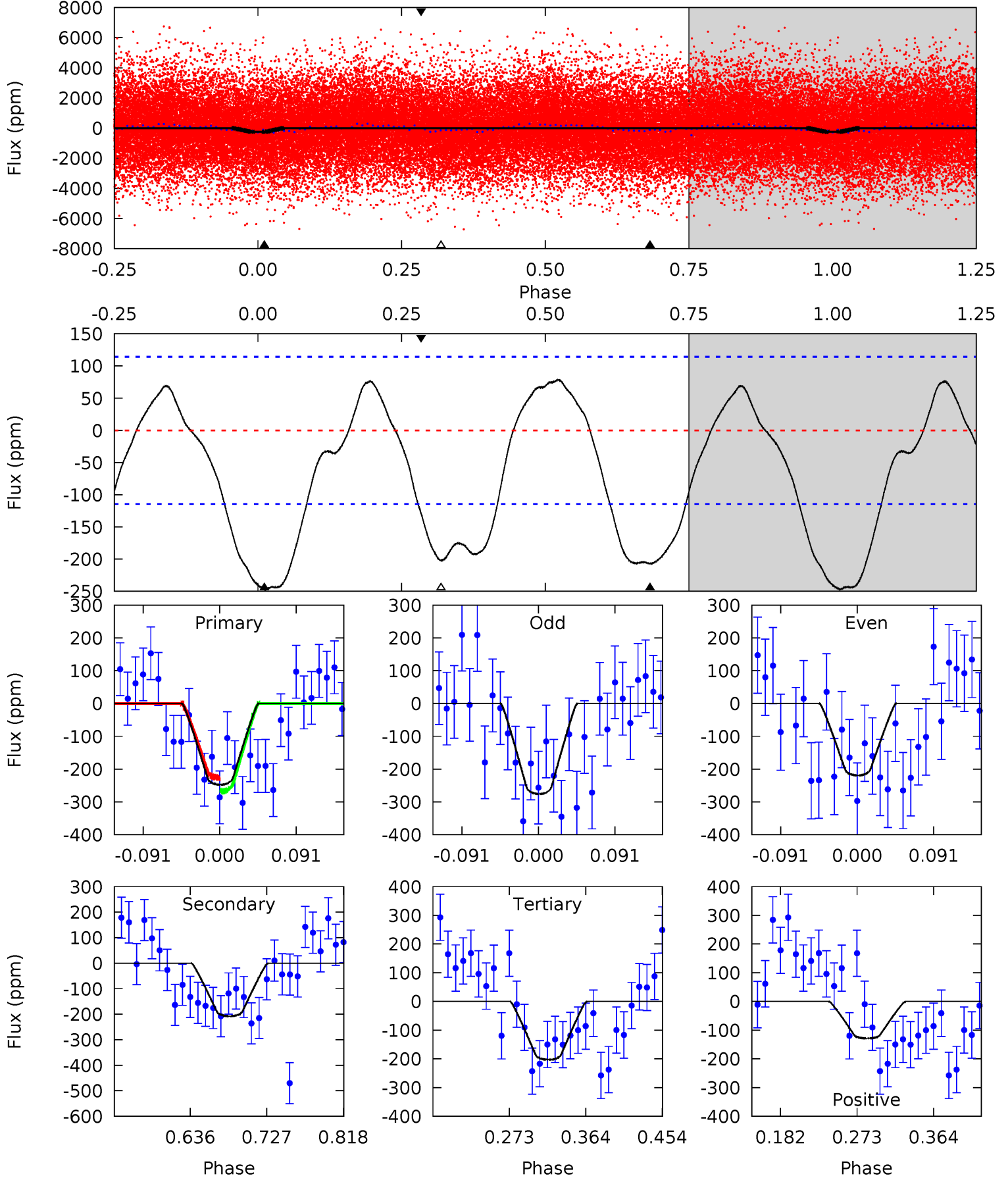
TCE 011972526-02 P= 0.675044 Days $T_0=131.678588$ (BKJD)



DV Model-Shift Uniqueness Test

011972526-02, P = 0.675037 Days, E = 131.003874 Days

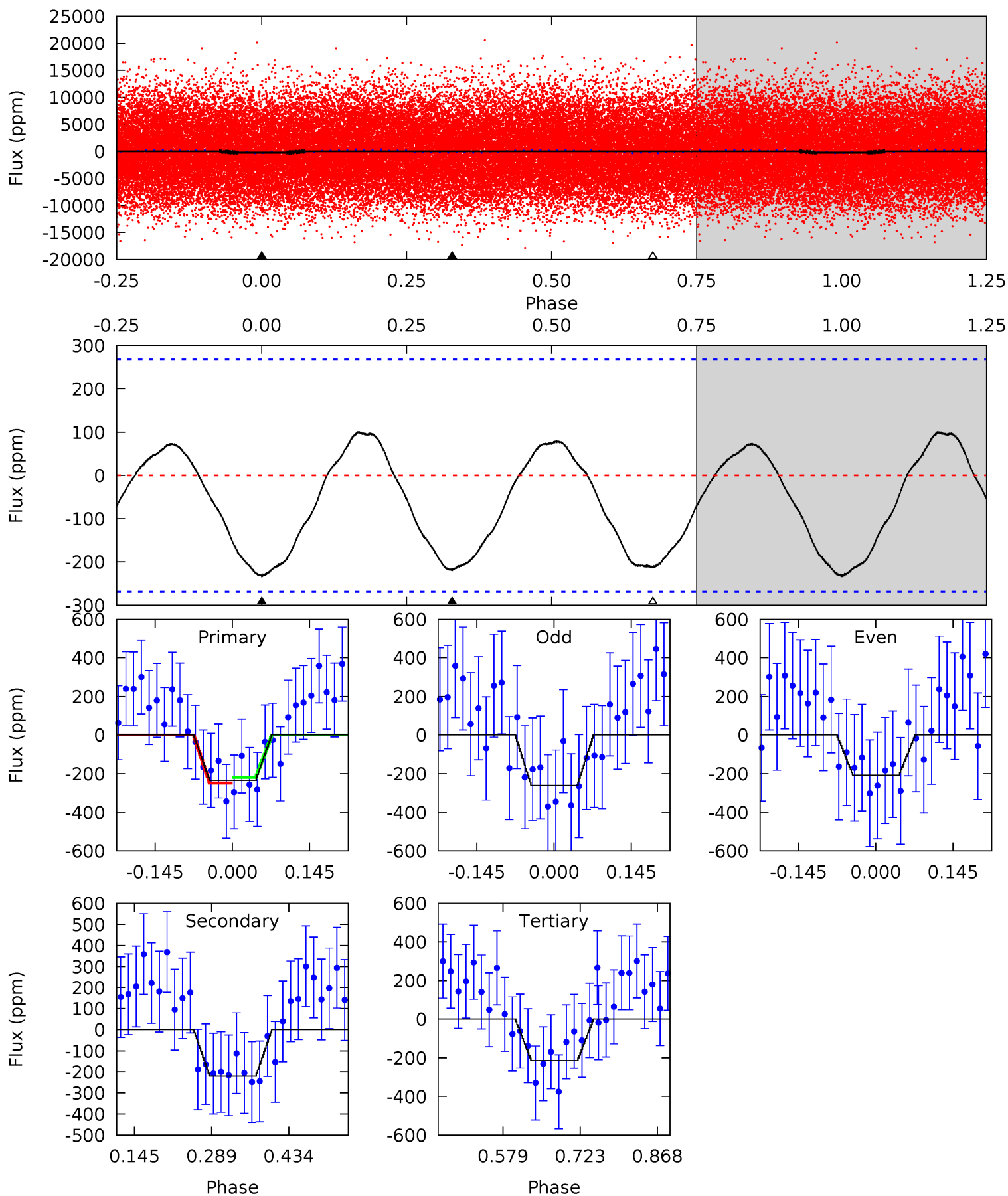
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.93	8.33	8.14	-5.16	4.58	1.69	3.56	1.79	15.1	0.19	13.5	1.14	0.91	0.24	0.82



Alt Model-Shift Uniqueness Test

011972526-02, P = 0.675044 Days, E = 131.003544 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
3.90	3.68	3.57	0	4.49	1.46	1.80	0.33	3.90	0.10	3.68	0.44	1.06	0.30	0.24



Stellar Parameters For KIC 011972526

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7780^{+214}_{-322}	$4.024^{+0.187}_{-0.153}$	$0.020^{+0.150}_{-0.400}$	$2.167^{+0.483}_{-0.590}$	$1.808^{+0.155}_{-0.336}$	$0.250^{+0.285}_{-0.109}$
	+3%/-4%	+5%/-4%	+750%/-2000%	+22%/-27%	+9%/-19%	+114%/-43%
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 011972526-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-208 ± 25	$4.42^{+3.94}_{-2.65}$	5177^{+367}_{-384}	6293^{+5967}_{-2058}	$1.953^{+10.509}_{-1.402}$
Alt.	-220 ± 60	$4.55^{+3.56}_{-2.84}$	5185^{+363}_{-377}	6305^{+6063}_{-2090}	$1.844^{+10.969}_{-1.308}$

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 $A_{obs} \gg 1.0$

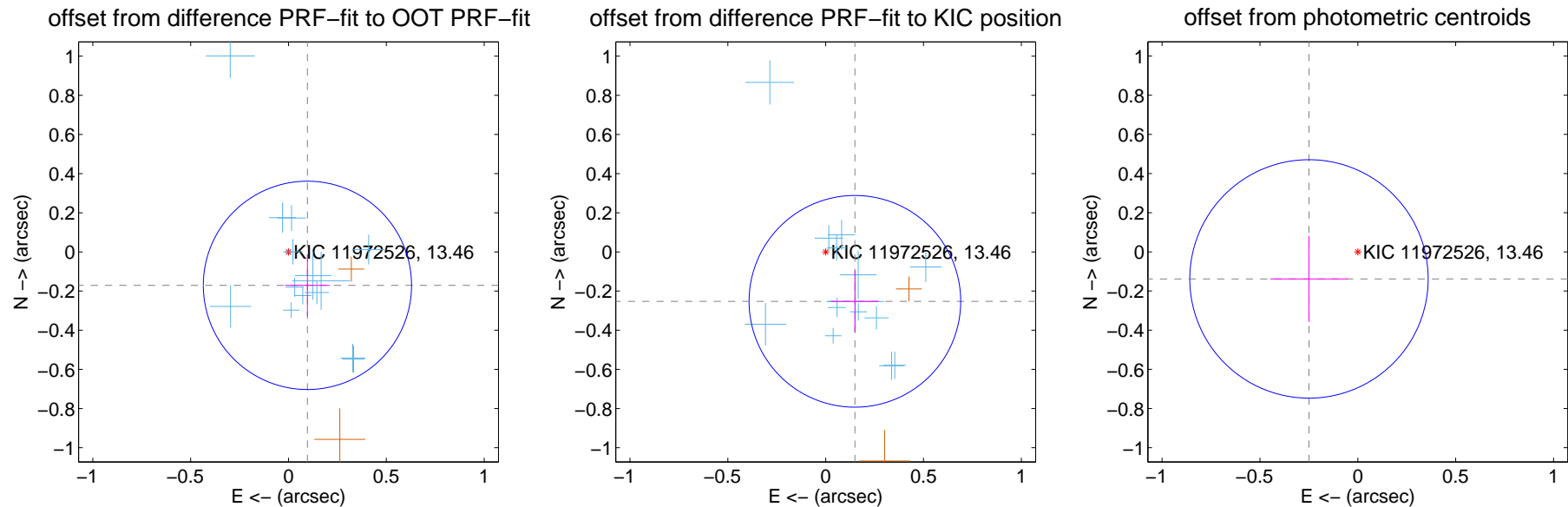
DV Centroid Data

Supplemental centroid analysis for 011972526-02. Kepler magnitude: 13.46. Transit SNR 7.19

There are 14 quarters with good PRF difference image offsets

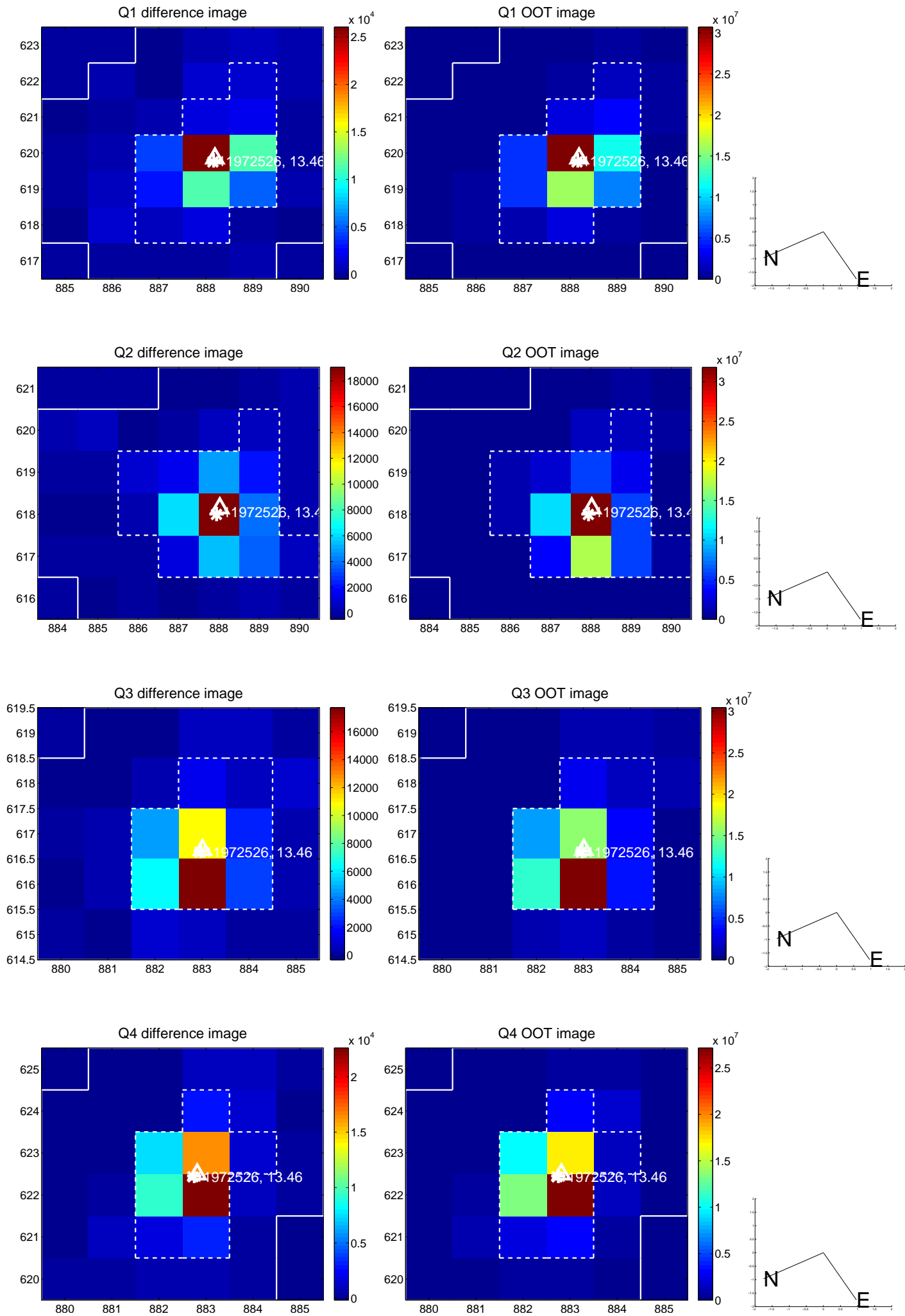
The direct PRF centroid is offset from the target star catalog position by about 0.15 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.196 ± 0.177	1.11	-0.097 ± 0.114	-0.171 ± 0.158
PRF-fit source offset from KIC position	0.293 ± 0.180	1.63	-0.149 ± 0.121	-0.252 ± 0.158
photometric centroid source offset	0.29 ± 0.20	1.41	0.25 ± 0.20	-0.14 ± 0.22

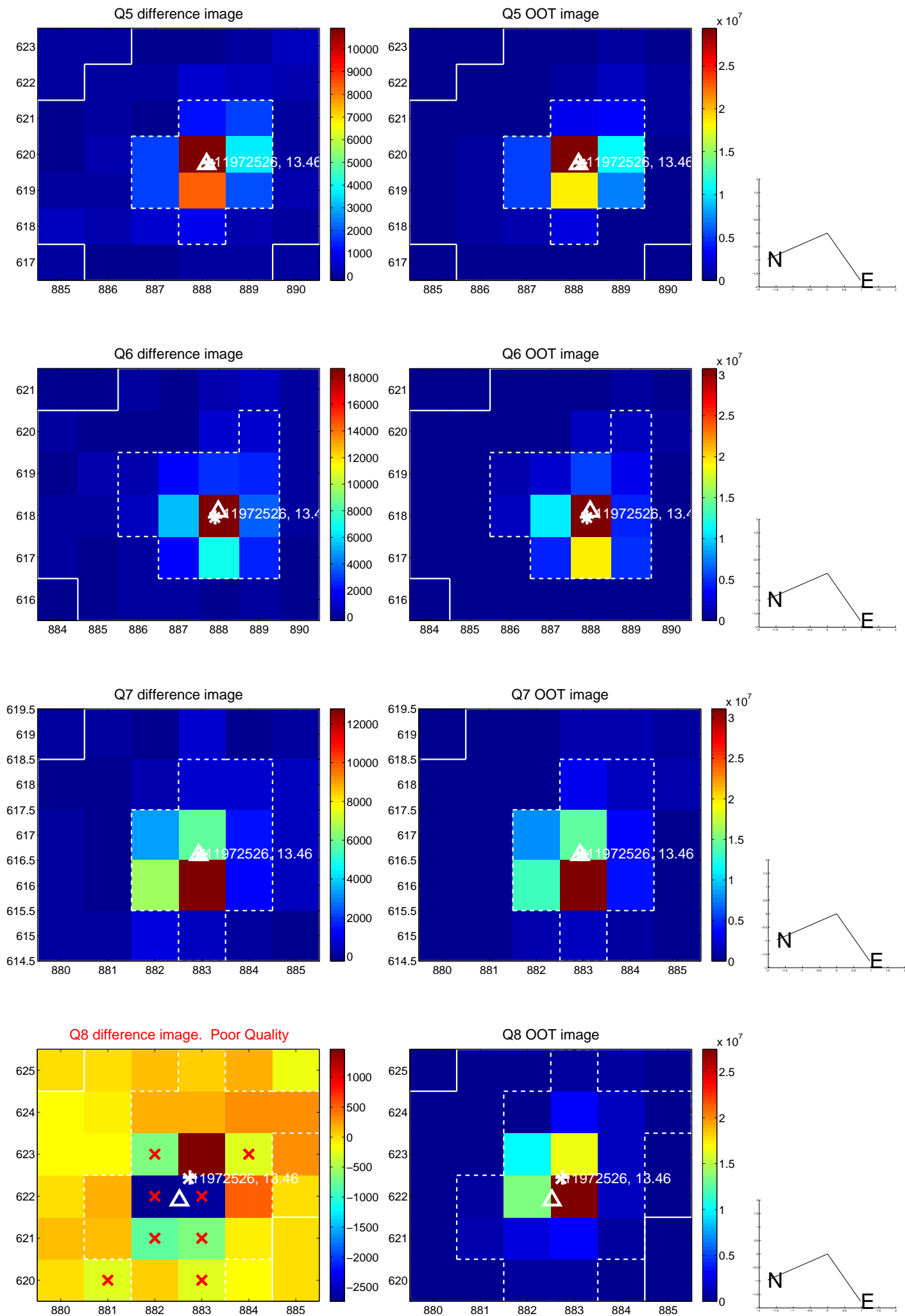


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

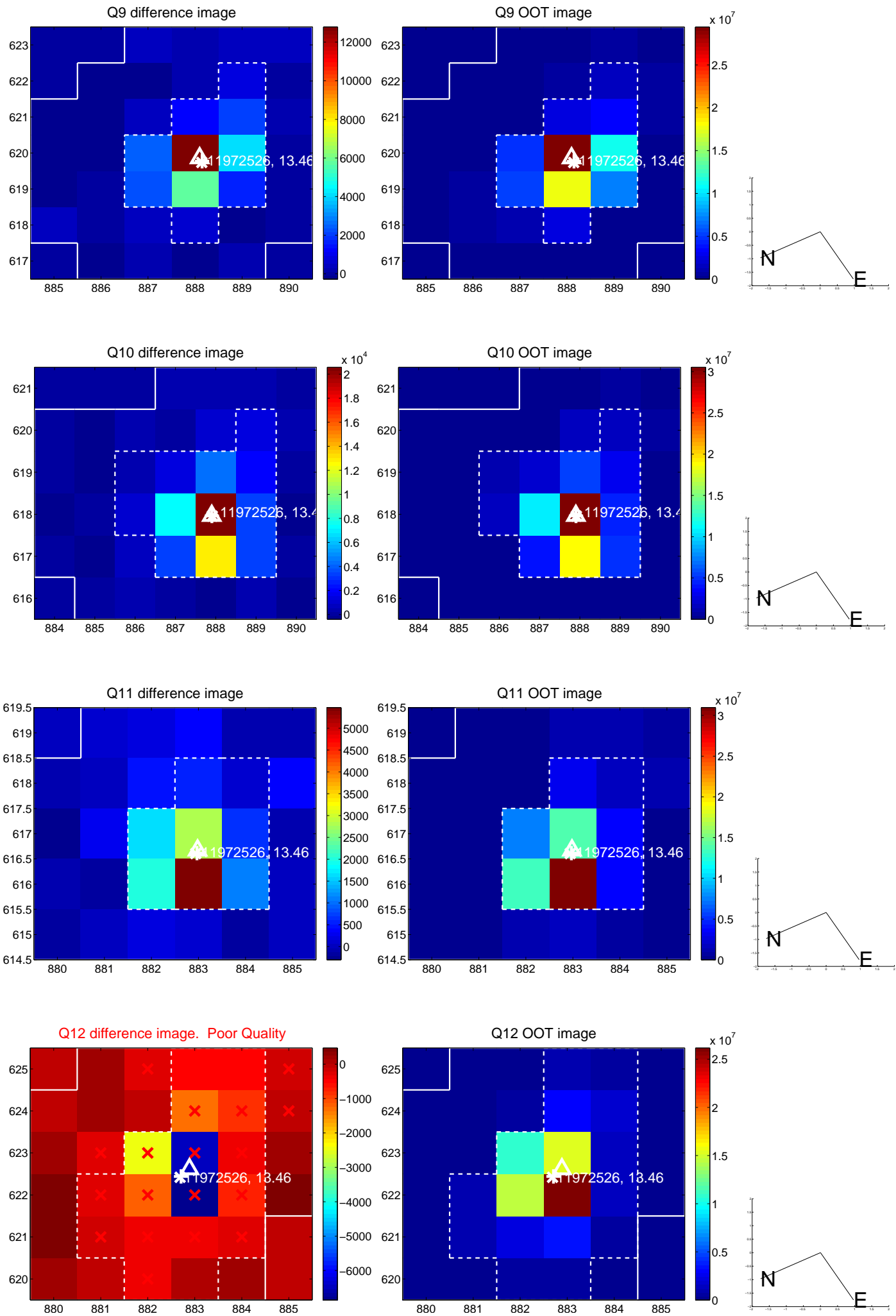
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



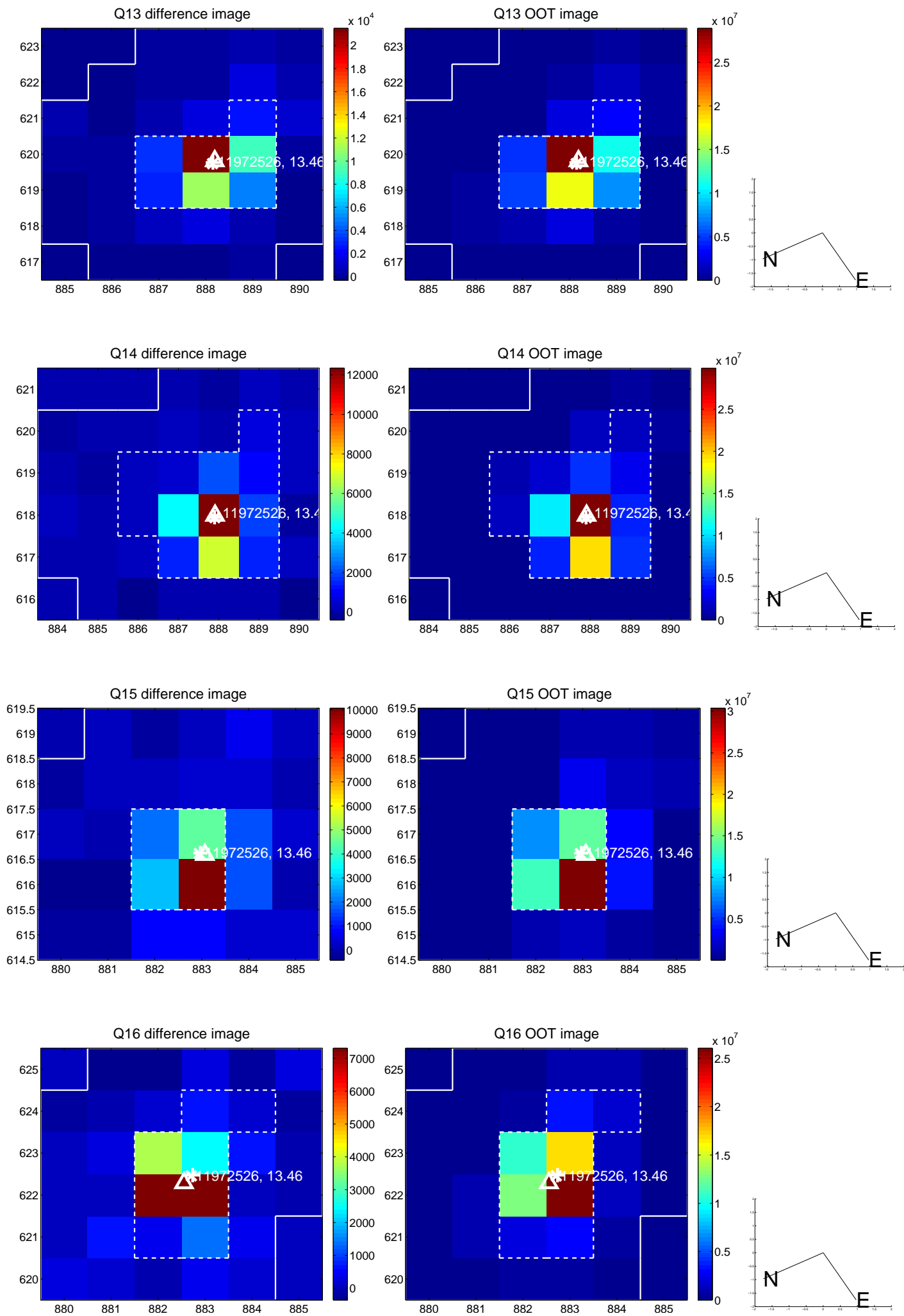
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



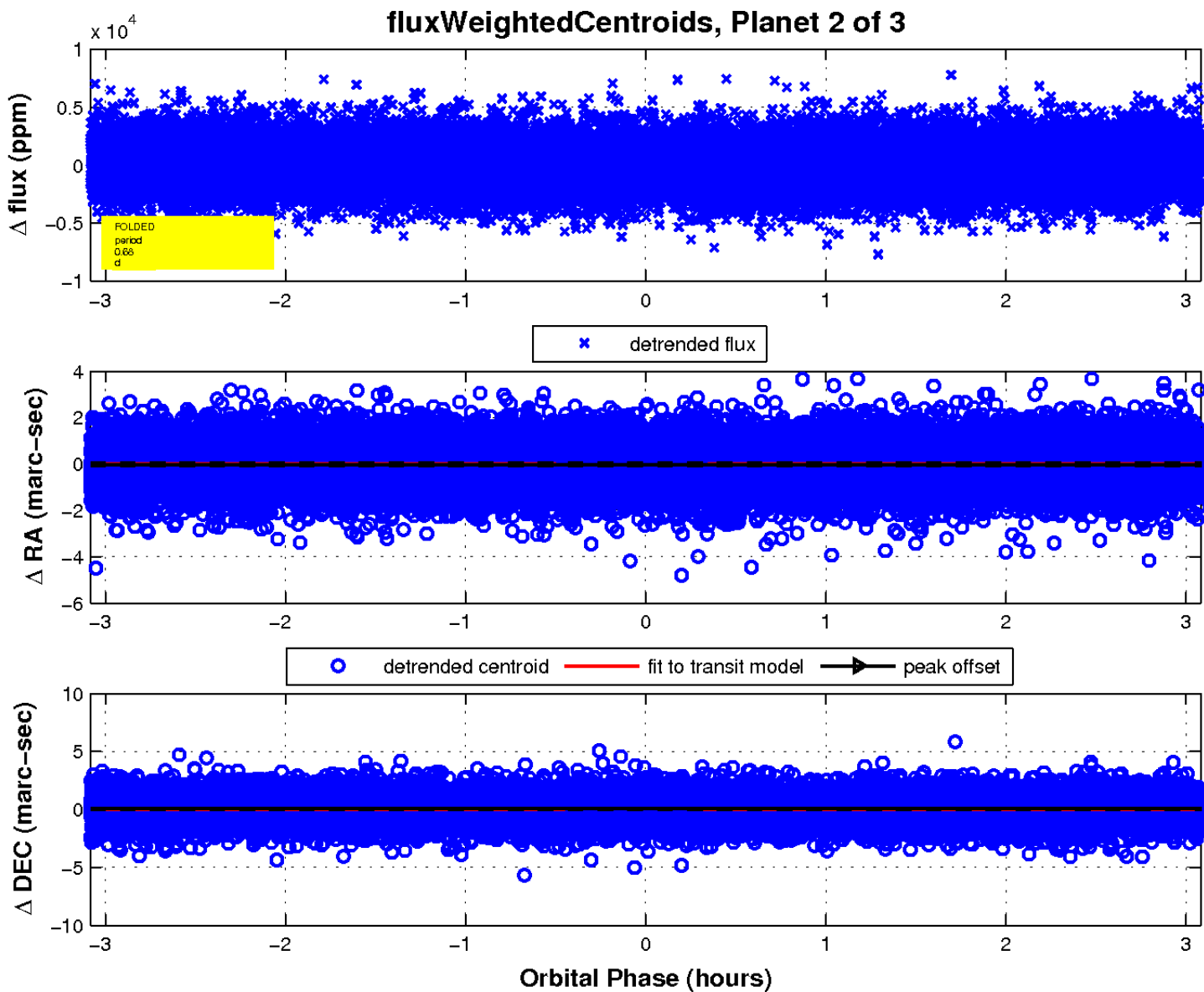
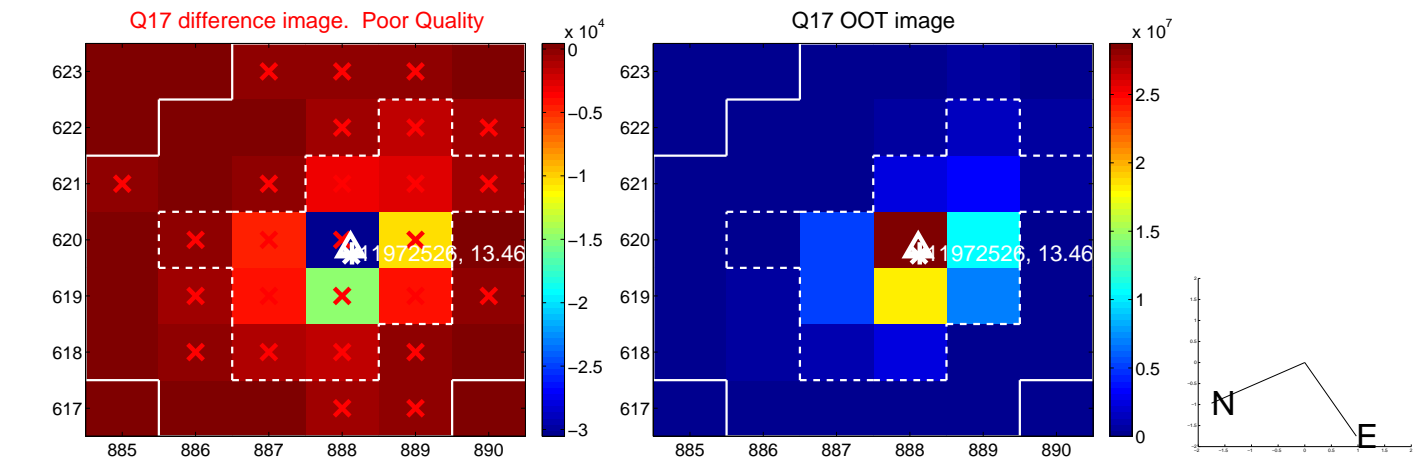
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

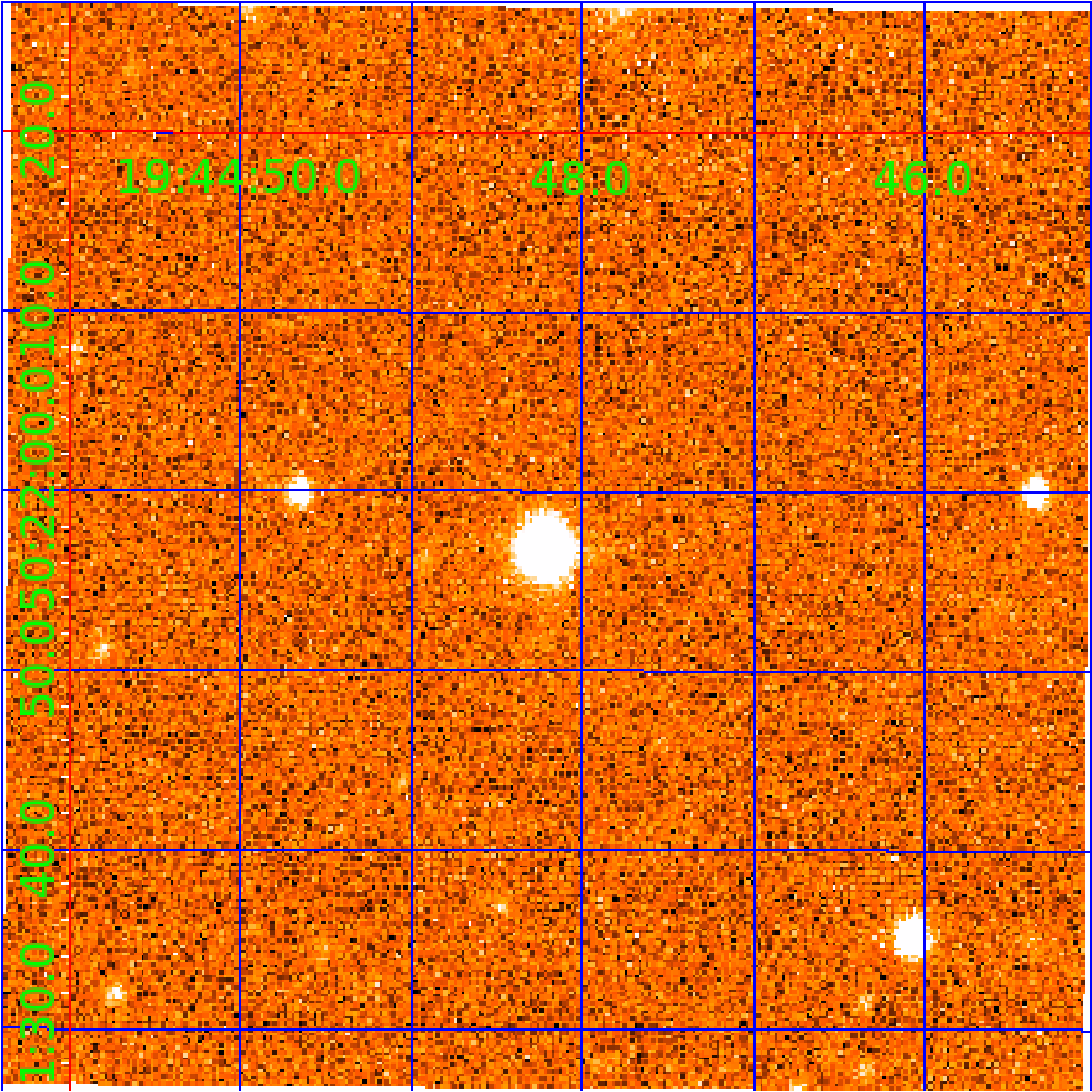


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 011972526

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})
011972526-01	OBS	No	1.125061	131.685773	319.7	1.414	10.5	11.8	2.17	7780	4.50	23146.41
011972526-02	OBS	No	0.675037	131.678912	213.6	1.028	11.1	7.2	2.17	7780	3.67	45738.46
011972526-03	OBS	No	0.675042	131.905242	215.0	2.375	9.6	10.9	2.17	7780	3.68	45738.01

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011972526-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT
011972526-02	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—MOD_TER_ALT
011972526-03	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—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.

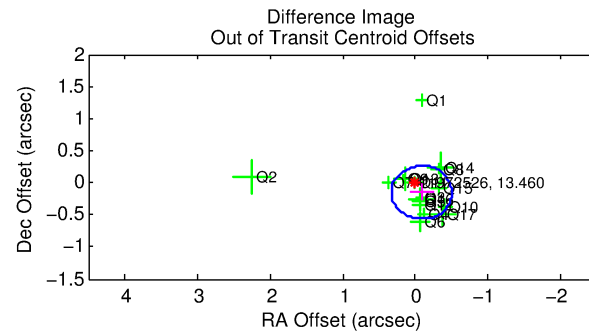
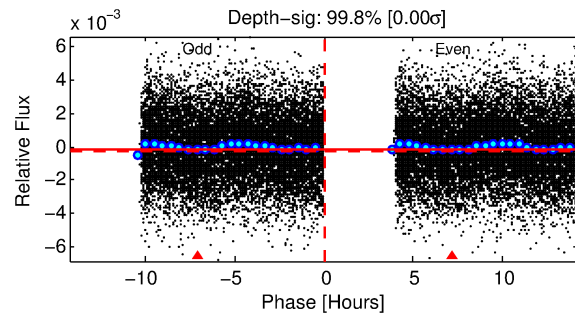
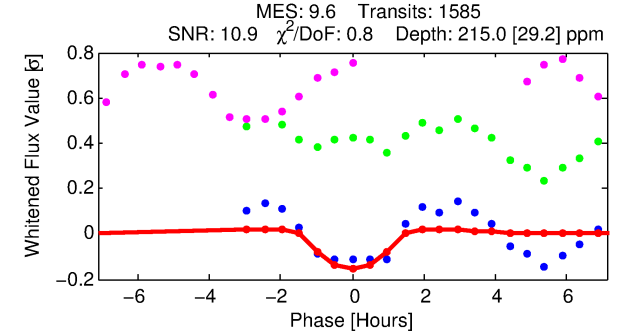
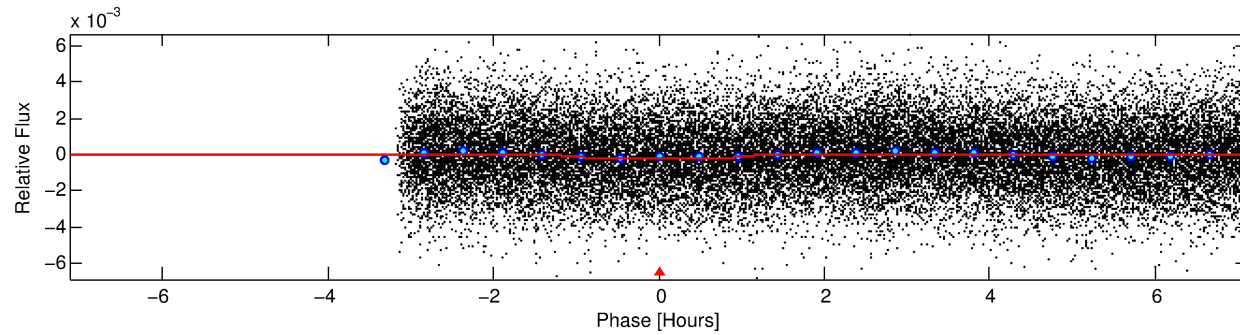
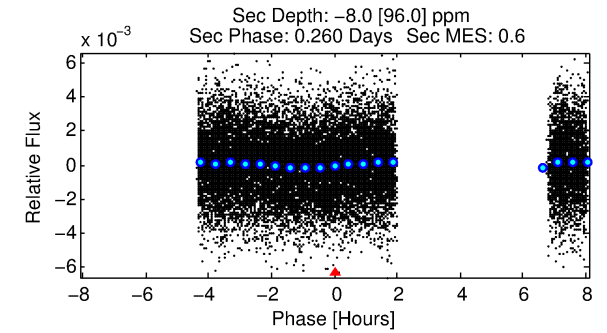
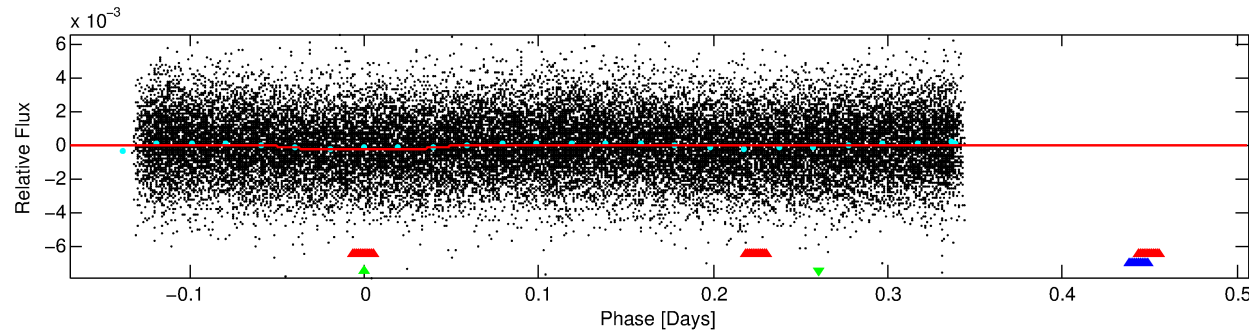
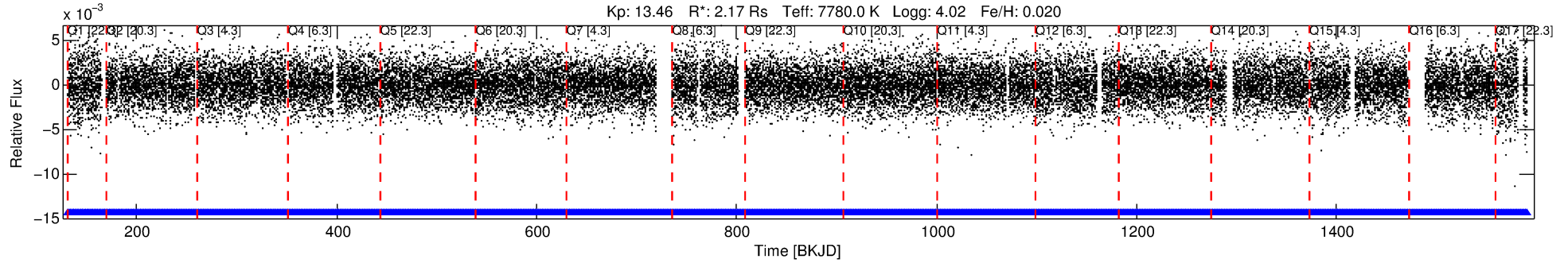
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011972526-03

No Significant Match Found

DV One-Page Summary

KIC: 11972526 Candidate: 3 of 3 Period: 0.675 d



DV Fit Results:

Period = 0.67504 [0.00001] d
Epoch = 131.9052 [0.0031] BKJD
Rp/R* = 0.0156 [0.0083]
a/R* = 1.39 [2.28]
b = 0.90 [0.73]
Seff = 45738.01 [17281.14]
Teff = 3729 [352] K
Rp = 3.68 [2.20] Re
a = 0.0184 [0.0042] AU
Ag = N/A
Teffp = N/A

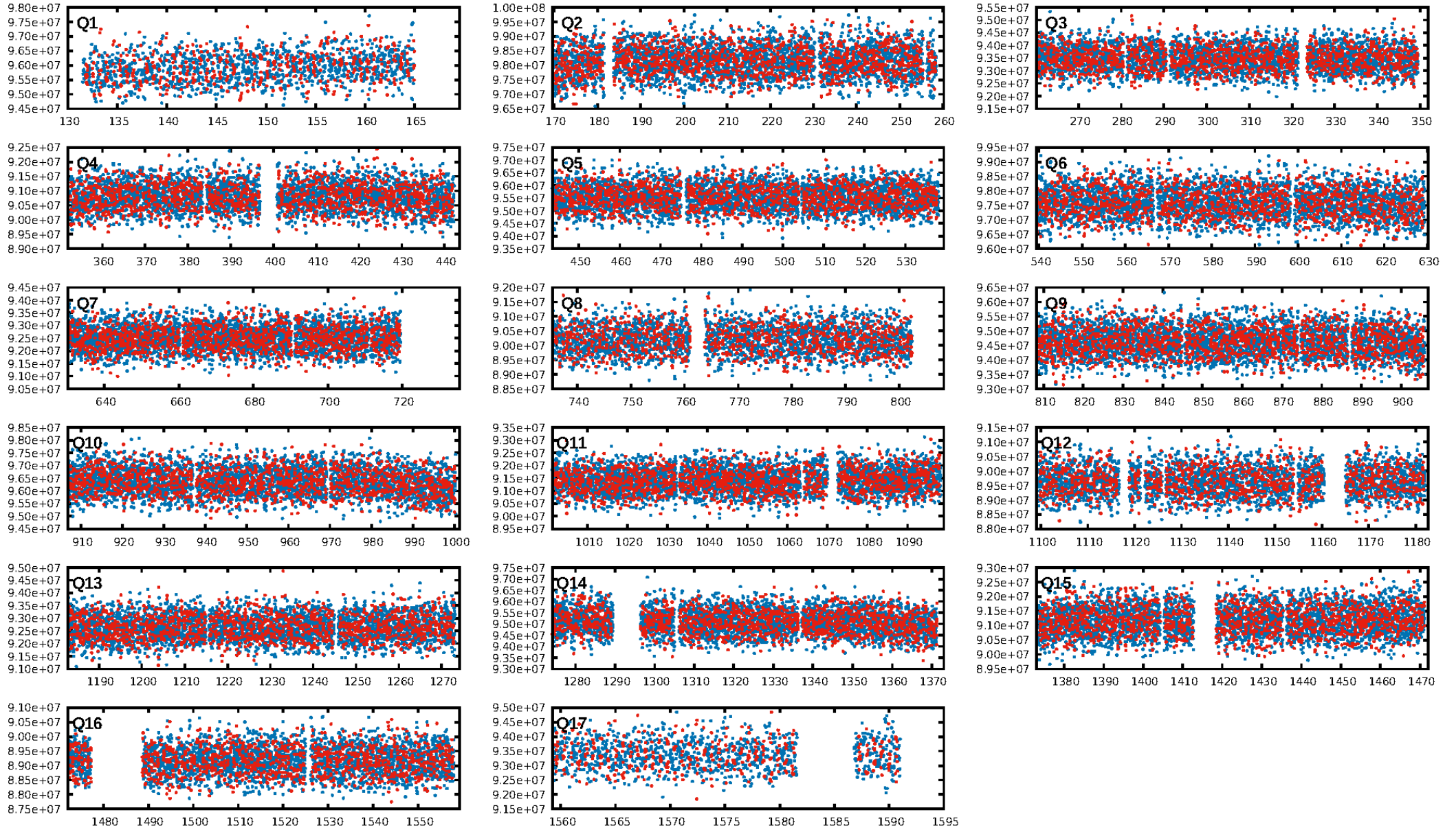
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 100.0% [3.91σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 9.99e-21
RollingBand-fgt: 1.00 [1513/1513]
GhostDiagnostic-chr: 3.223
Centroid-sig: 0.0%
Centroid-so: 0.304 arcsec [2.20σ]
OotOffset-rm: 0.174 arcsec [1.26σ]
KicOffset-rm: 0.284 arcsec [2.13σ]
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]

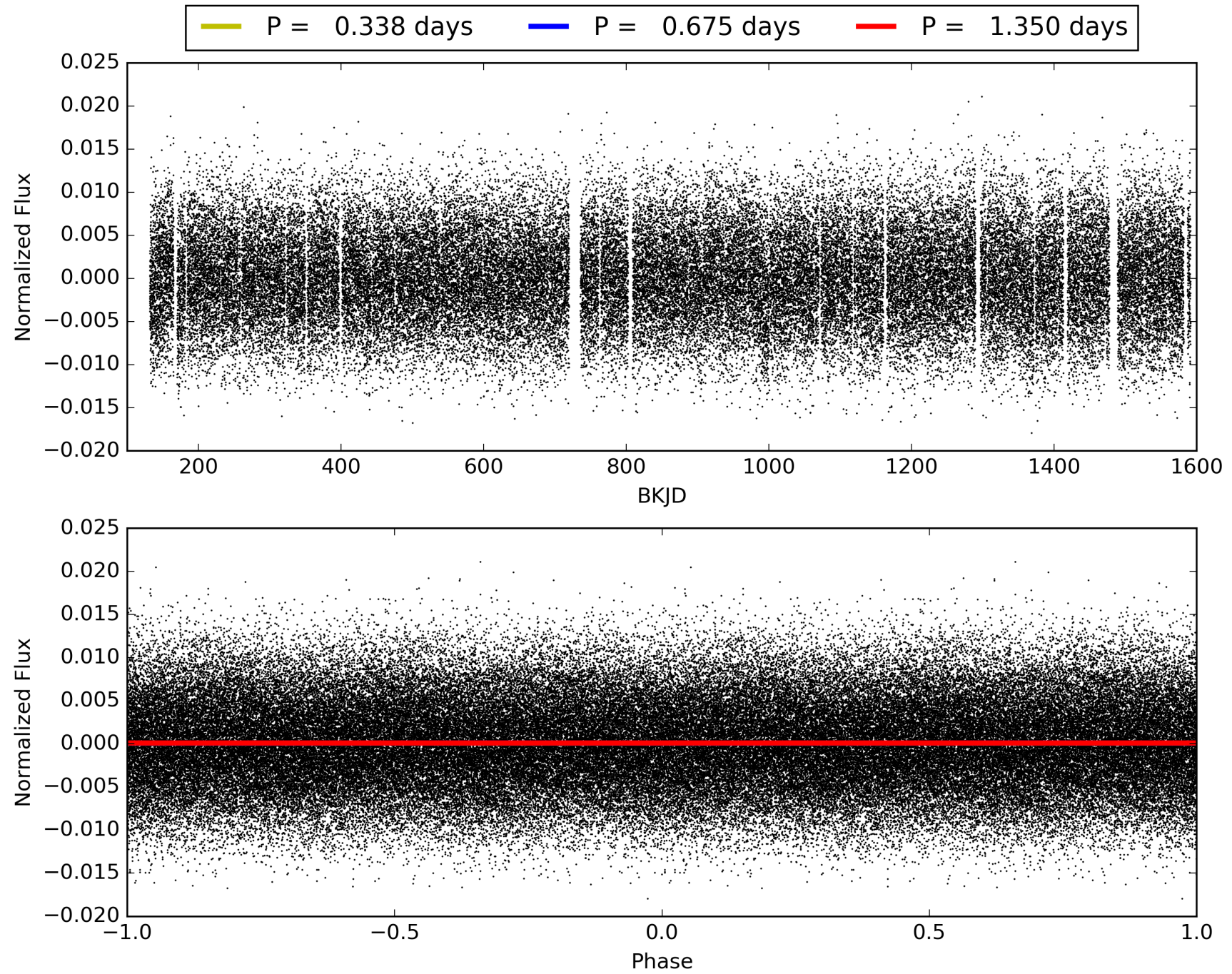
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 00:22:43 Z

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

TCE 011972526-03, PDC Light Curves

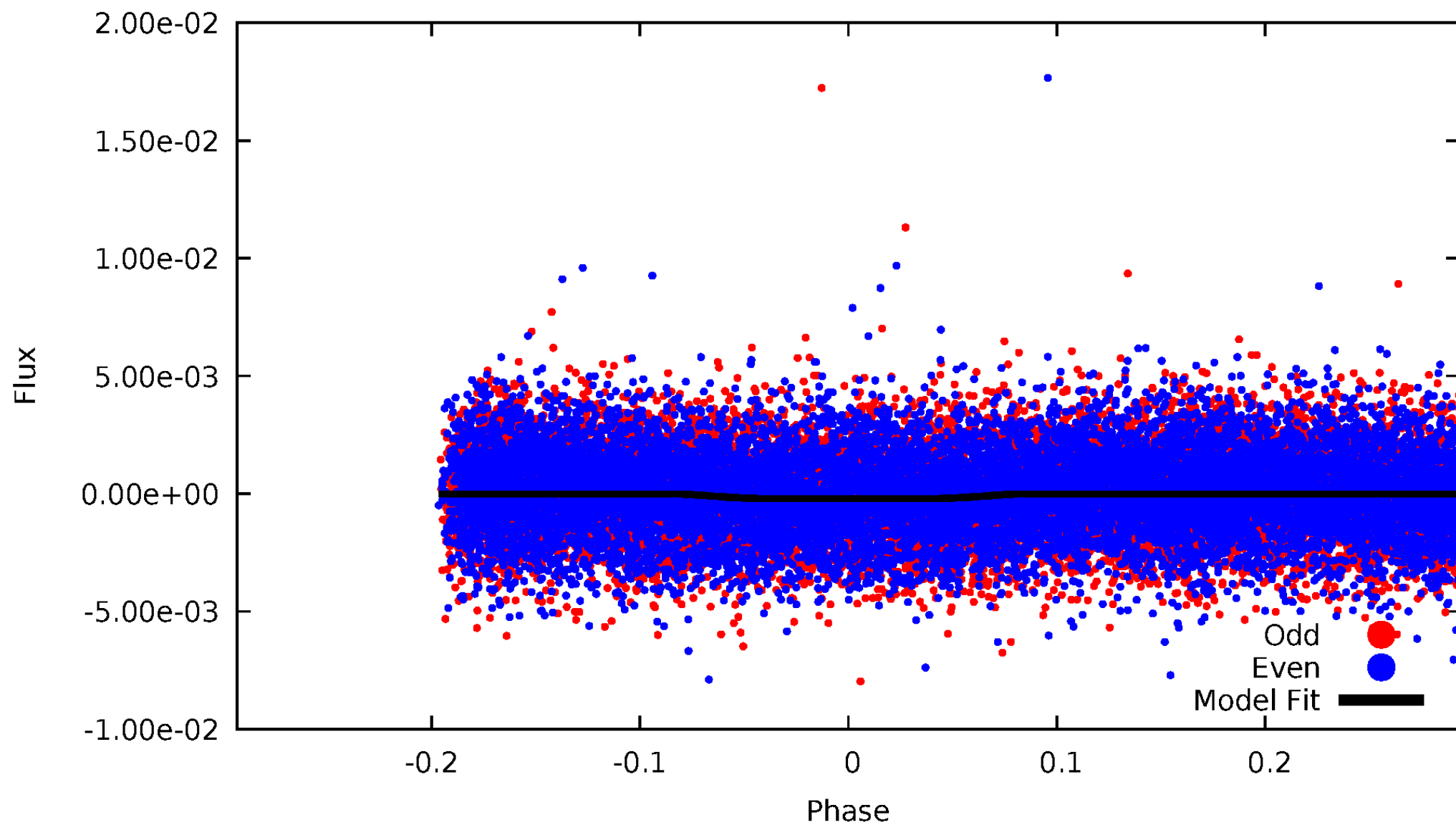


TCE 011972526-03



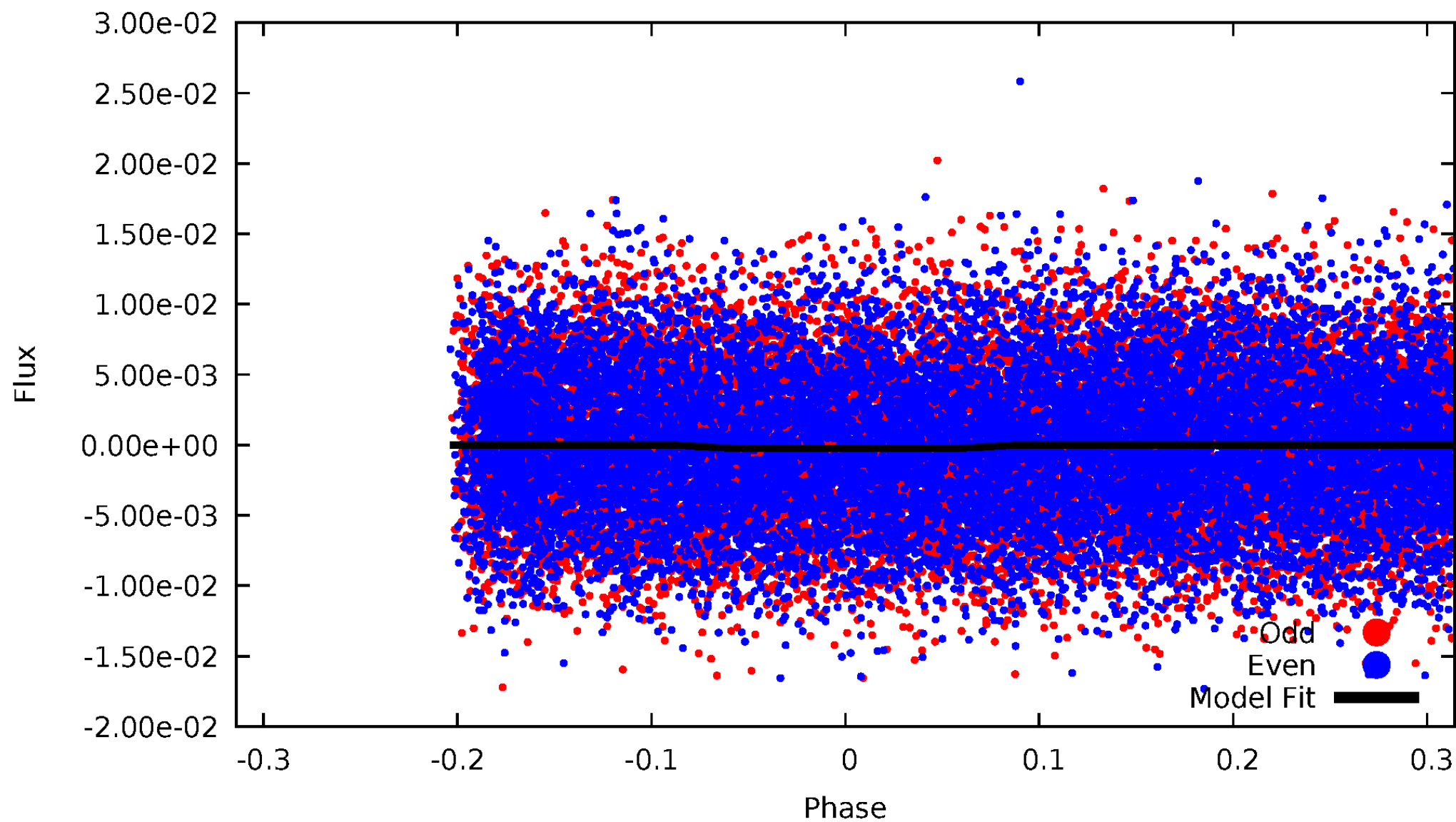
DV Odd/Even

TCE 011972526-03

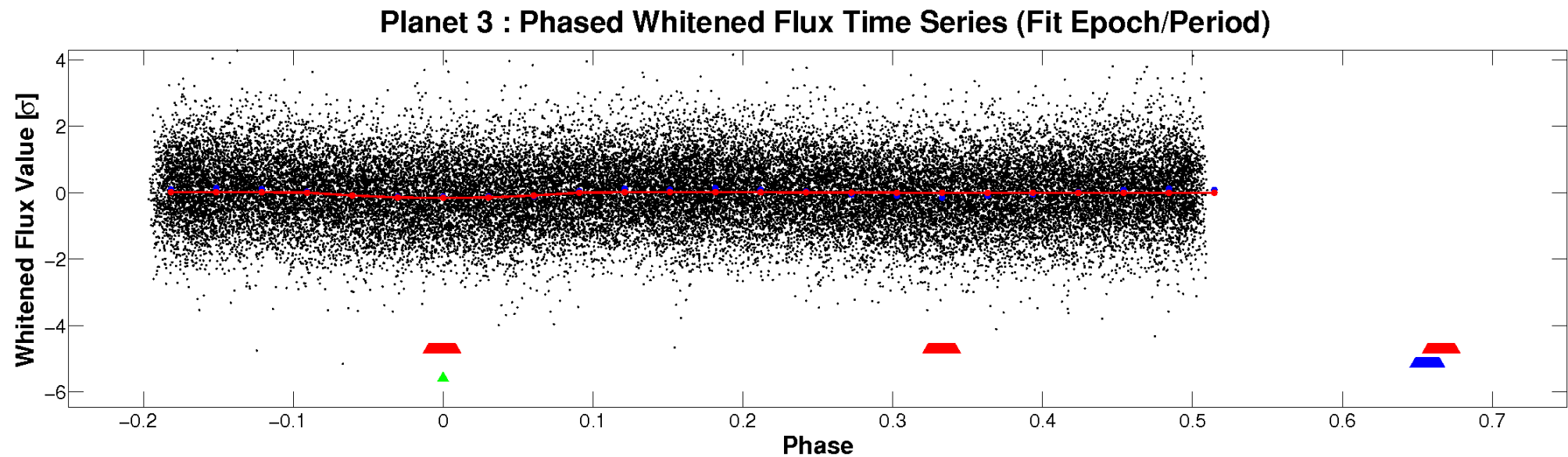
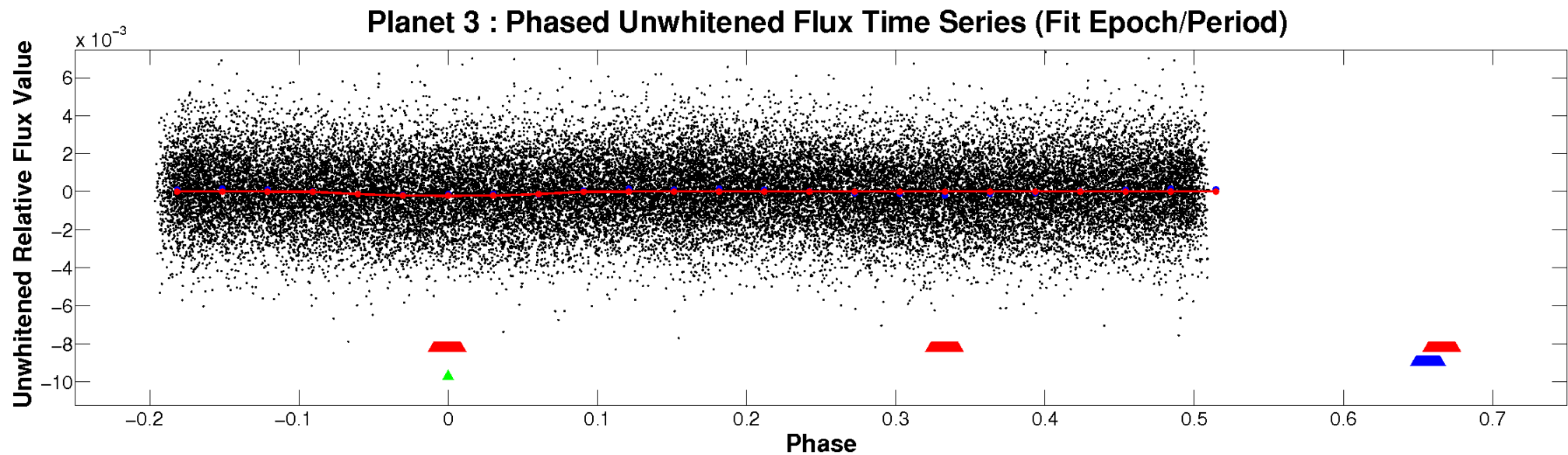


ALT Odd/Even

TCE 011972526-03

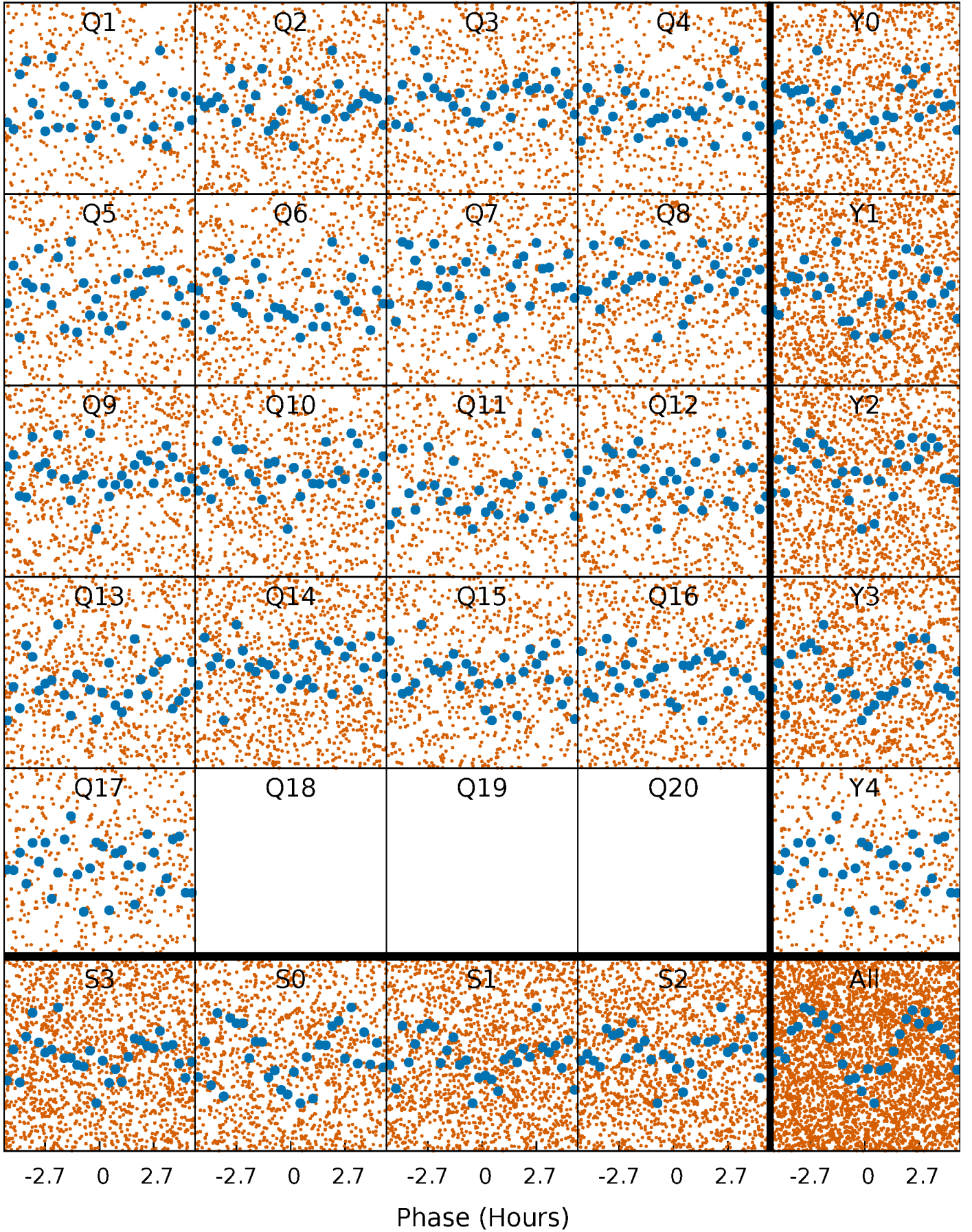


Non-Whitened Vs. Whitened Light Curve



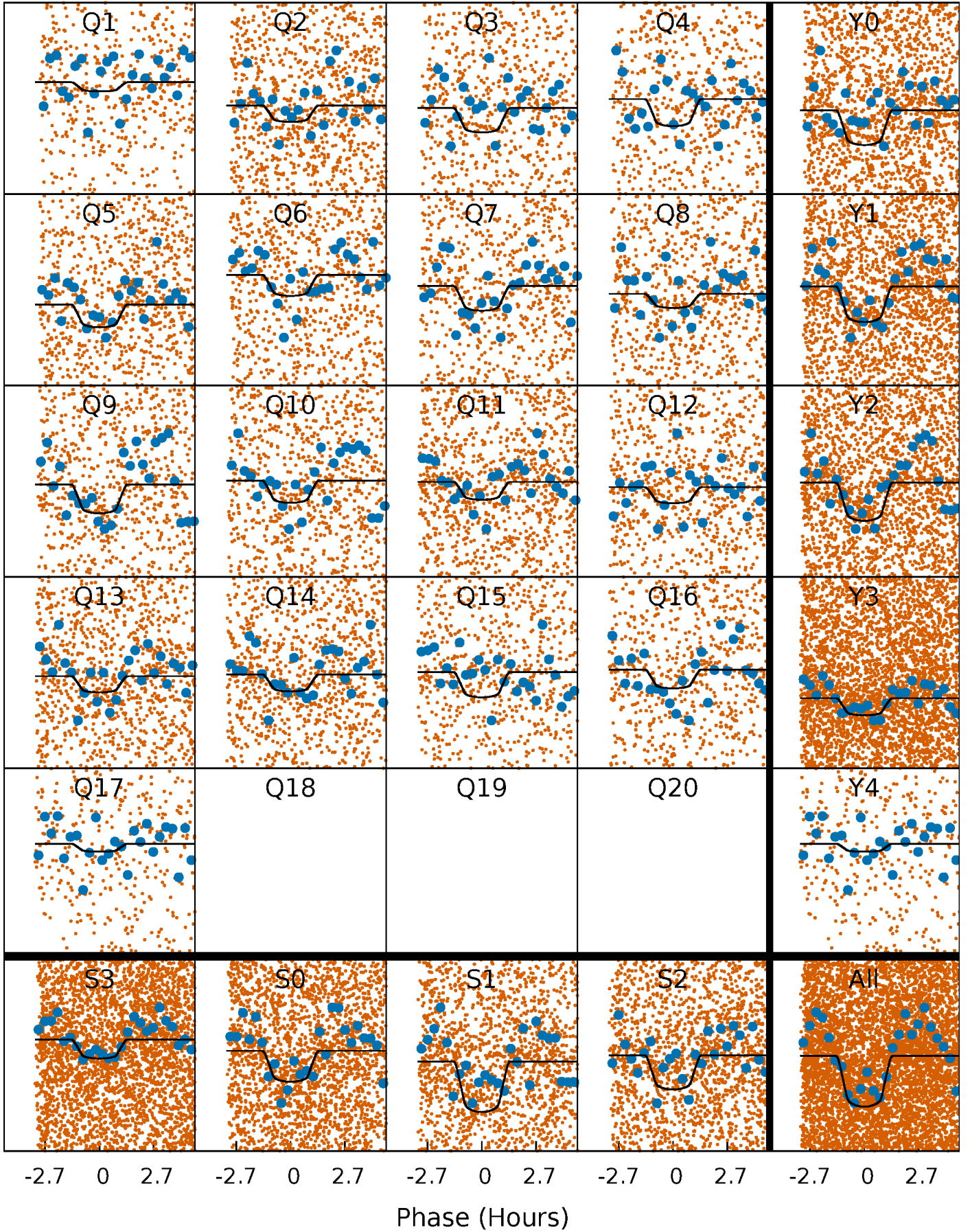
PDC Quarter-Phased Transit Curves

TCE 011972526-03 P= 0.675042 Days $T_0=131.905242$ (BKJD)



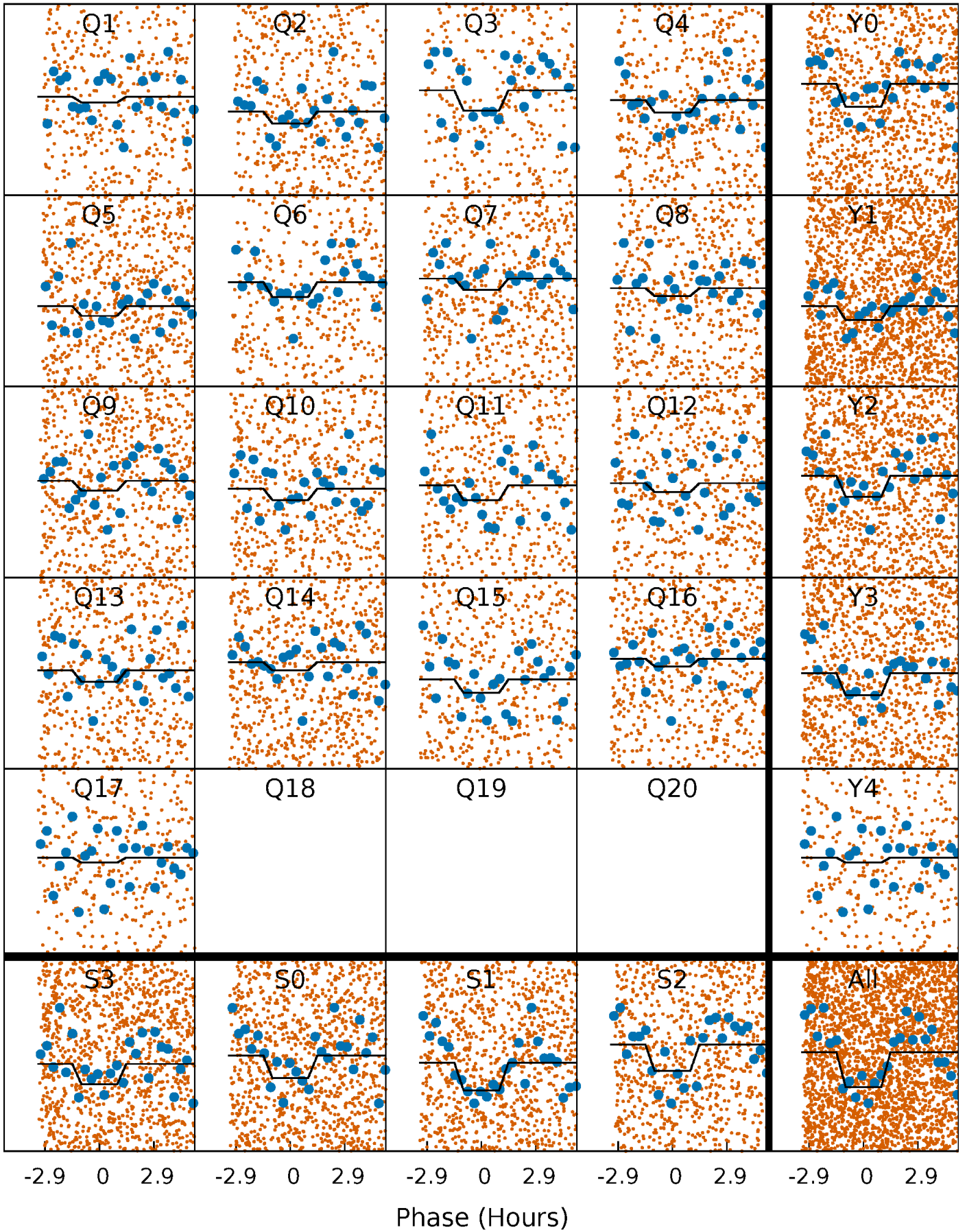
DV Quarter-Phased Transit Curves

TCE 011972526-03 P= 0.675042 Days $T_0=131.905242$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

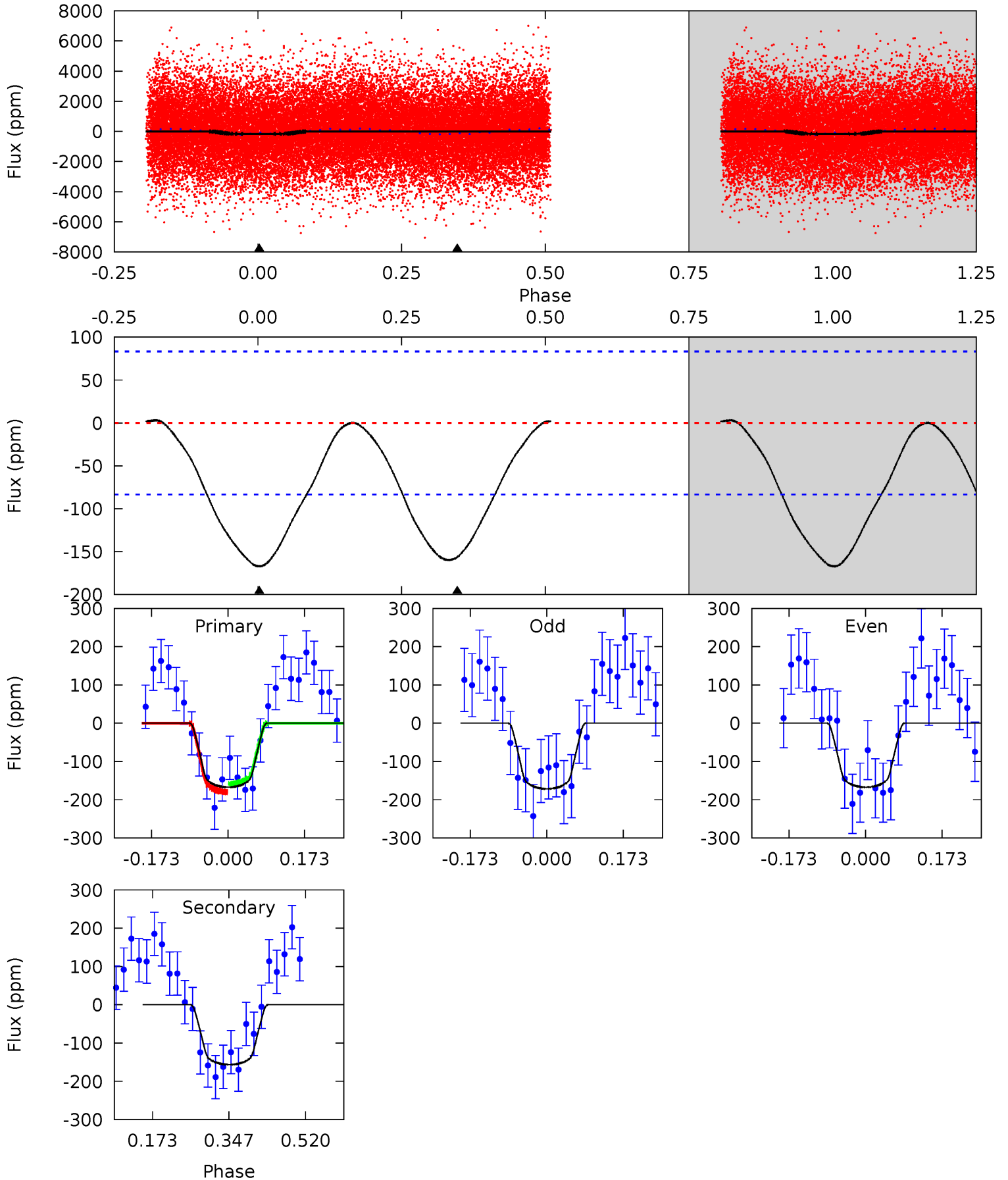
TCE 011972526-03 P= 0.675045 Days $T_0=131.905265$ (BKJD)



DV Model-Shift Uniqueness Test

011972526-03, P = 0.675042 Days, E = 131.230200 Days

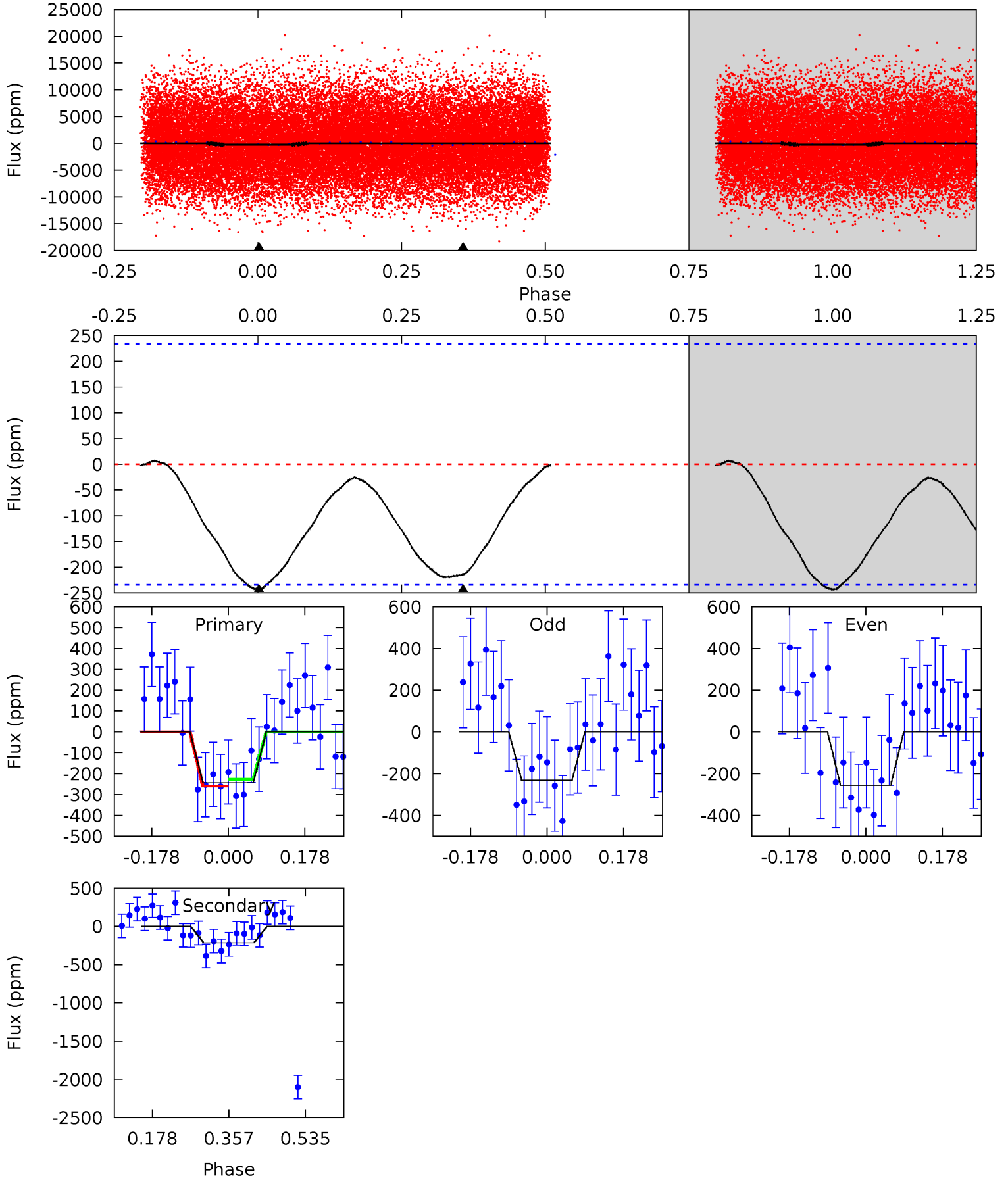
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.93	8.35	0	0	4.45	1.36	0.17	8.93	8.93	8.35	8.35	0.12	1.00	0.02	0.57



Alt Model-Shift Uniqueness Test

011972526-03, P = 0.675045 Days, E = 131.230220 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
4.62	4.07	0	0	4.44	1.35	0.34	4.62	4.62	4.07	4.07	0.23	0.82	0.03	0.30



Stellar Parameters For KIC 011972526

	$T_{\text{eff}} (K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M (M_{\odot})$	$\rho_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7780^{+214}_{-322}	$4.024^{+0.187}_{-0.153}$	$0.020^{+0.150}_{-0.400}$	$2.167^{+0.483}_{-0.590}$	$1.808^{+0.155}_{-0.336}$	$0.250^{+0.285}_{-0.109}$
	+3%/-4%	+5%/-4%	+750%/-2000%	+22%/-27%	+9%/-19%	+114%/-43%
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 011972526-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-156 ± 19	$3.65^{+2.15}_{-1.95}$	5185^{+349}_{-401}	6459^{+4757}_{-1528}	$2.110^{+8.044}_{-1.272}$
Alt.	-215 ± 53	$3.77^{+1.89}_{-1.91}$	5211^{+343}_{-372}	7002^{+4424}_{-1519}	$2.662^{+8.844}_{-1.515}$

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

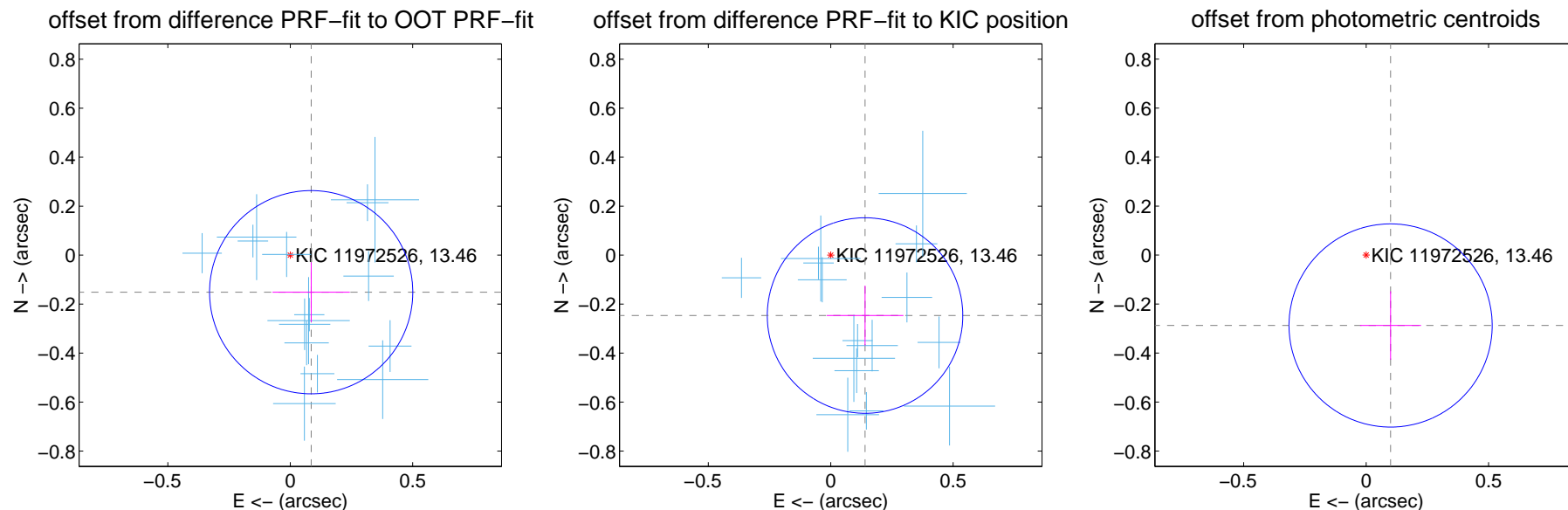
DV Centroid Data

Supplemental centroid analysis for 011972526-03. Kepler magnitude: 13.46. Transit SNR 10.92

There are 17 quarters with good PRF difference image offsets

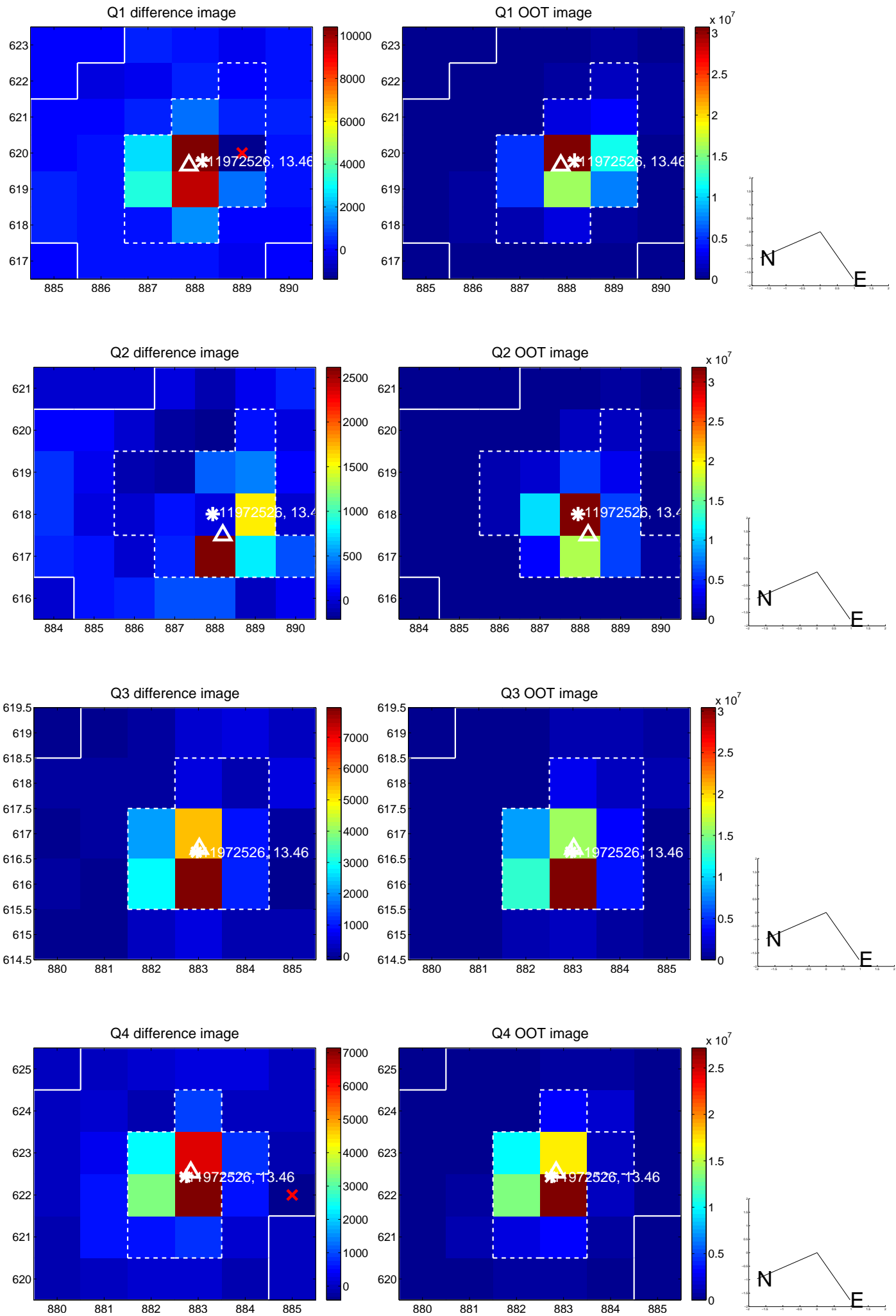
The direct PRF centroid is offset from the target star catalog position by about 0.15 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.174 ± 0.138	1.26	-0.085 ± 0.158	-0.151 ± 0.122
PRF-fit source offset from KIC position	0.284 ± 0.133	2.13	-0.140 ± 0.157	-0.246 ± 0.122
photometric centroid source offset	0.30 ± 0.14	2.20	-0.10 ± 0.12	-0.29 ± 0.14

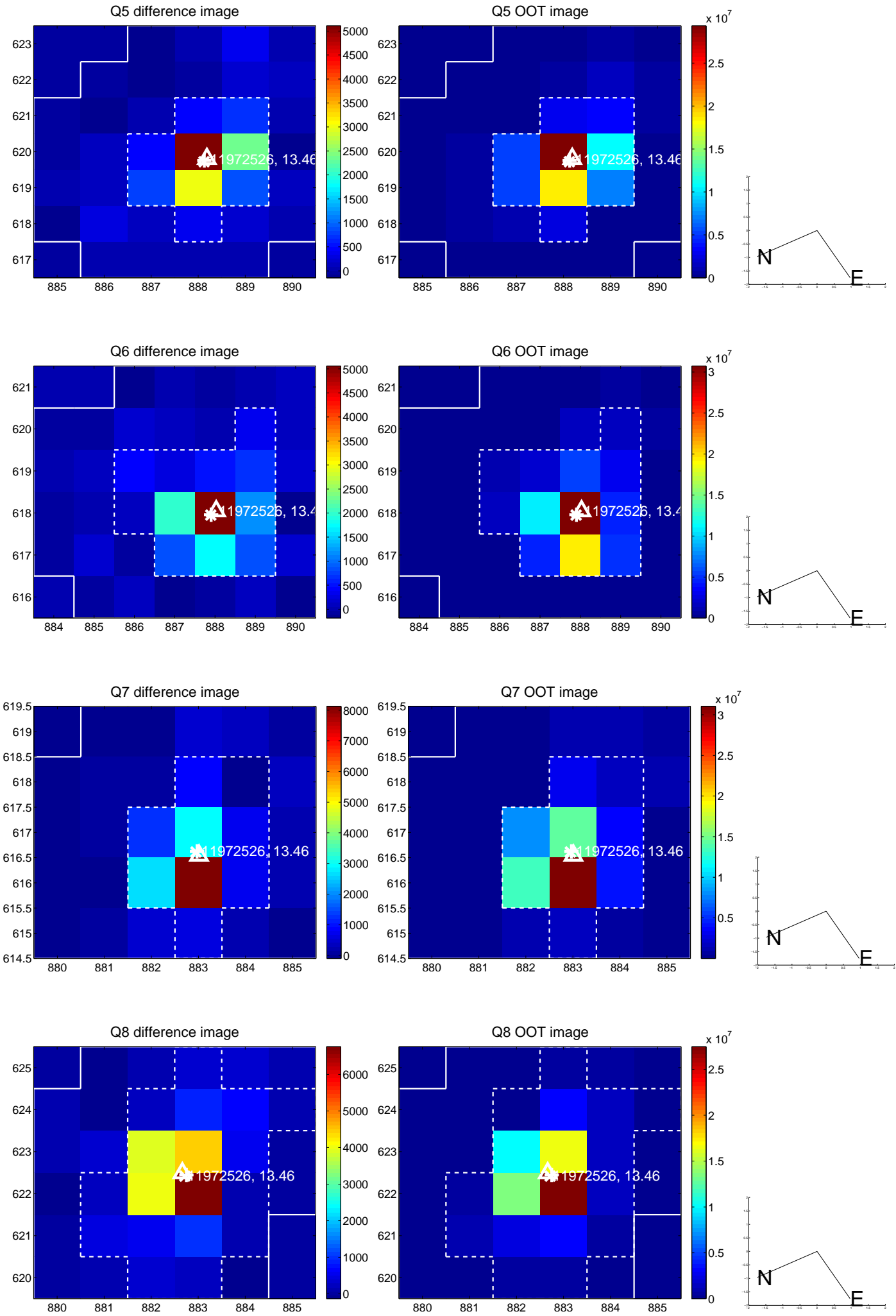


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses:** good quarterly centroid offsets; **Vermillion crosses:** bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

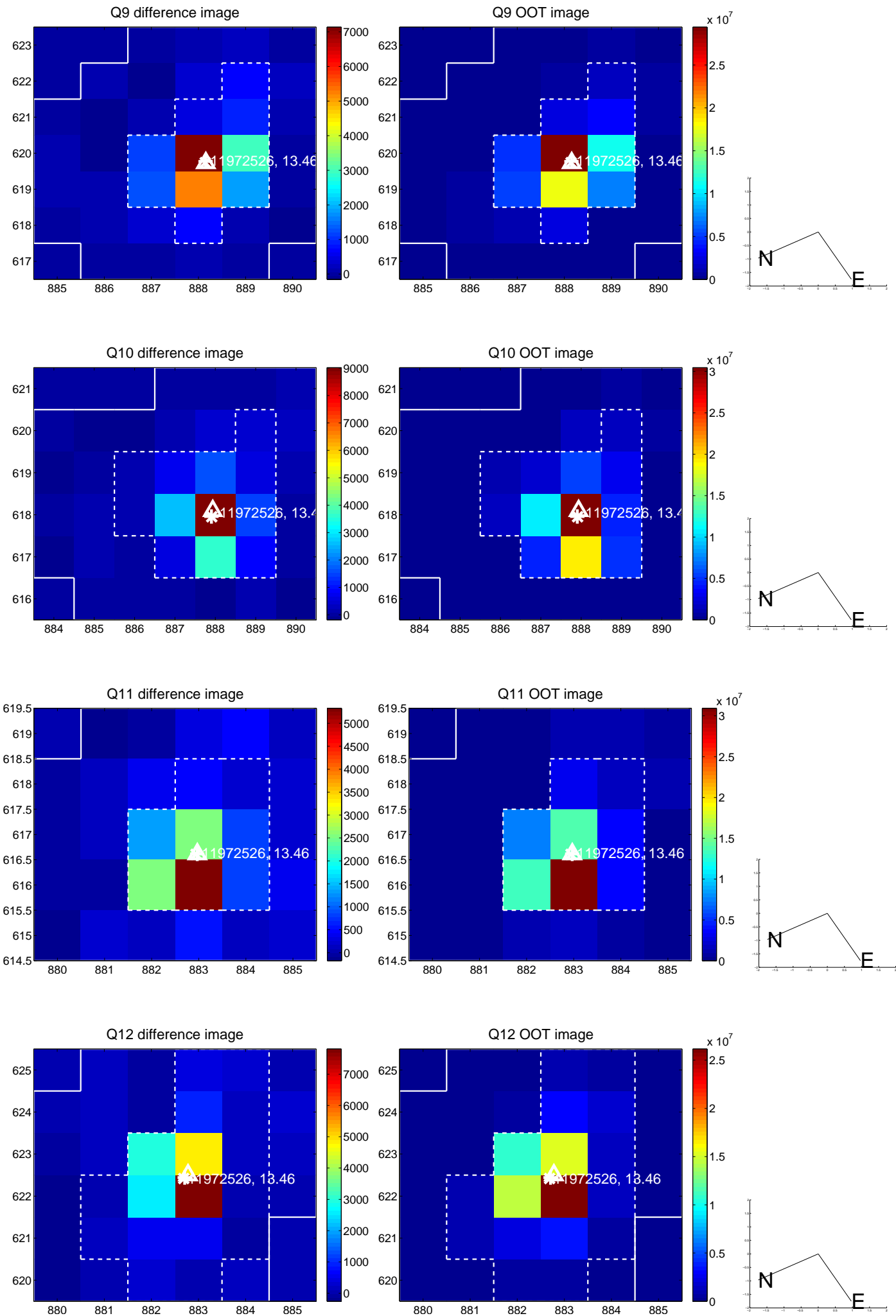
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



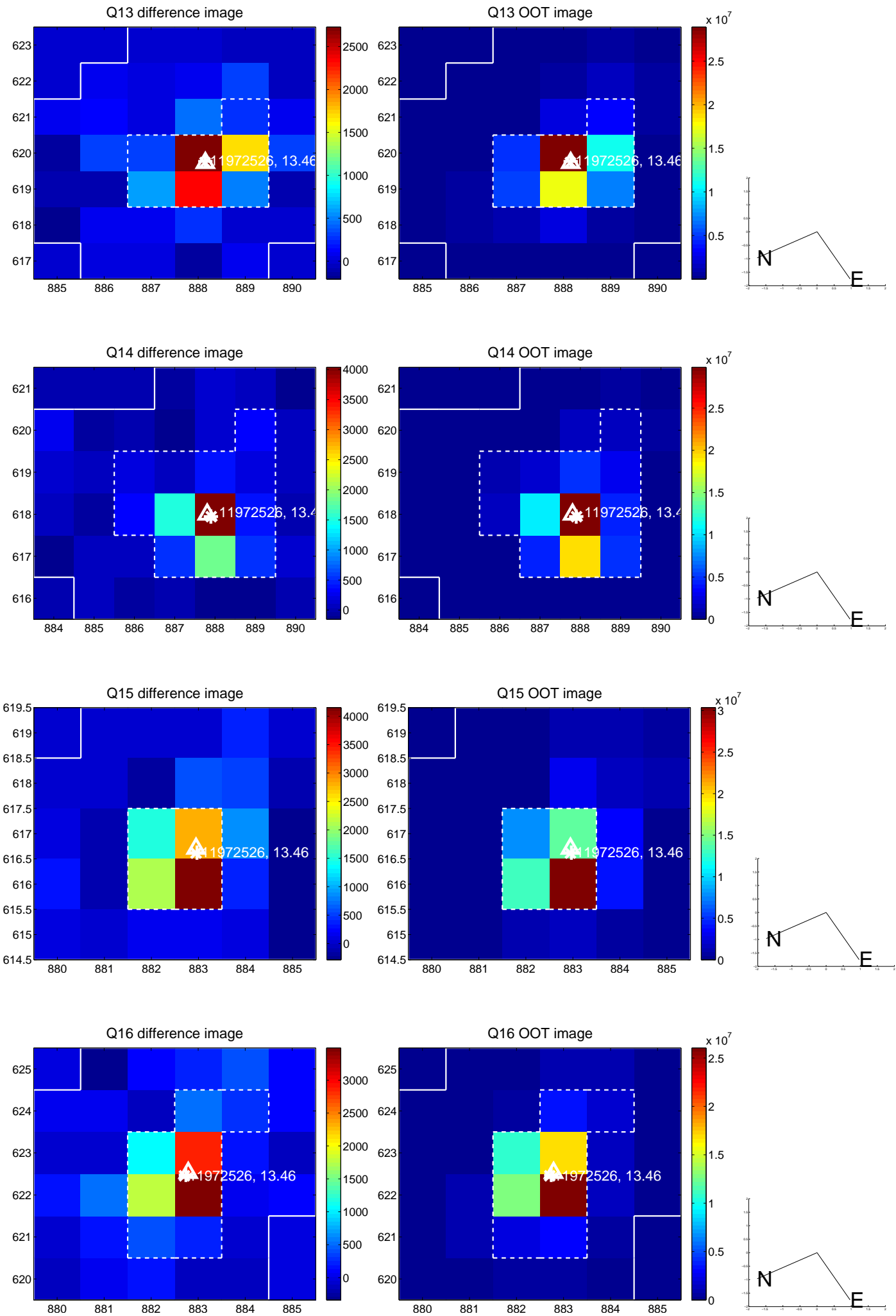
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



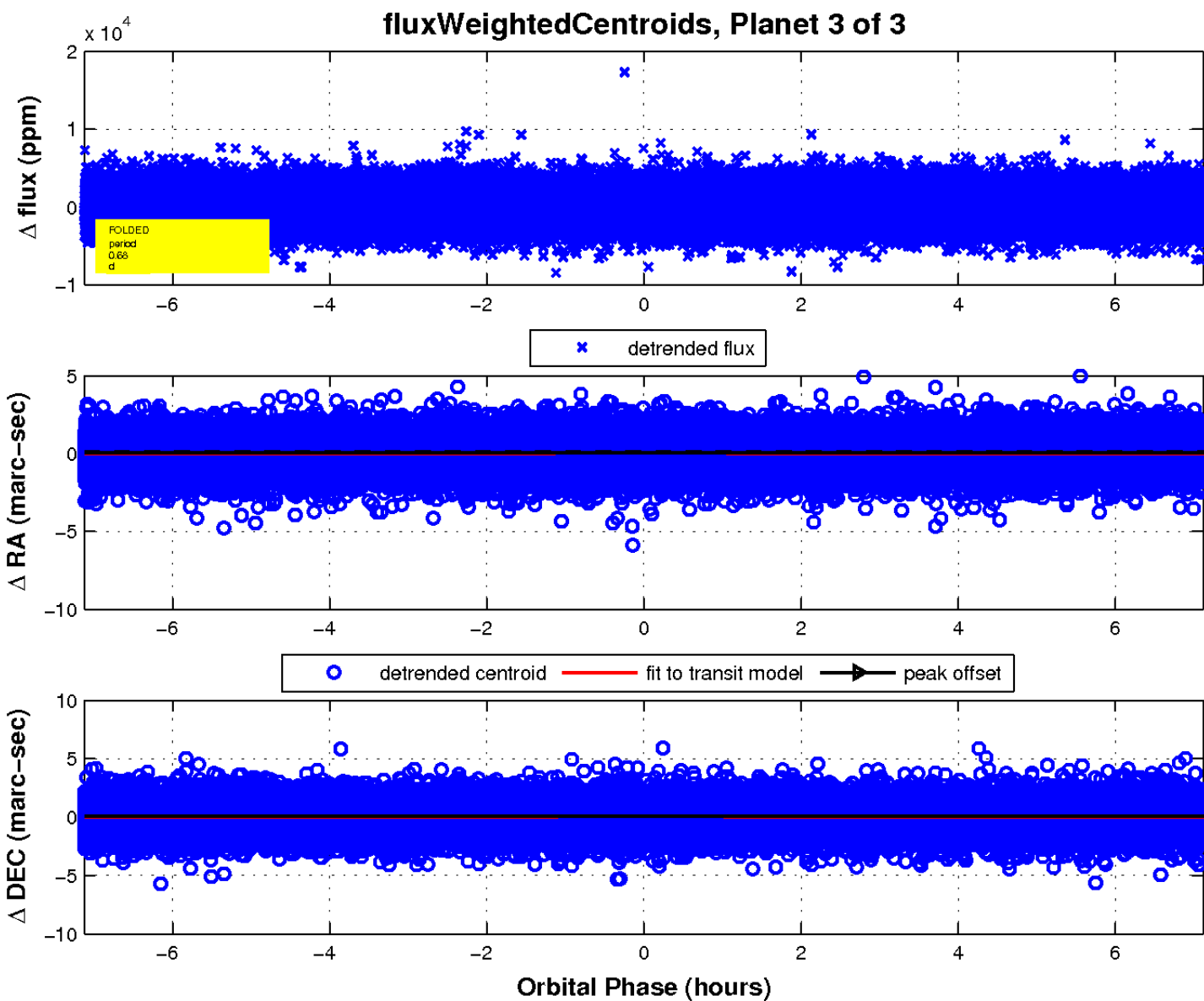
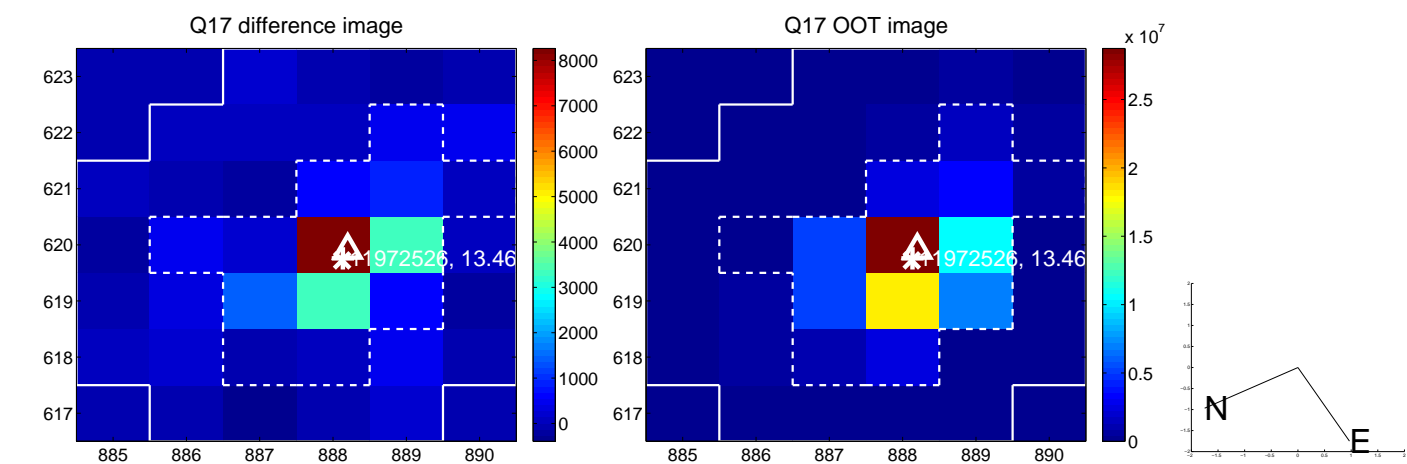
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

