

KIC 005564600

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})
005564600-01	OBS	No	0.634664	131.541823	44.4	2.412	13.5	9.9	1.48	7042	1.15	18603.67
005564600-02	OBS	No	0.634647	131.752534	55.2	3.962	16.3	11.3	1.48	7042	1.11	18604.33
005564600-03	OBS	No	0.634681	131.976794	109.6	1.294	18.4	20.5	1.48	7042	1.58	18603.03

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005564600-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—CENT_KIC_POS
005564600-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA_TRACKER—LPP_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
005564600-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—TRANS_GAPPED—LPP_DV—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.

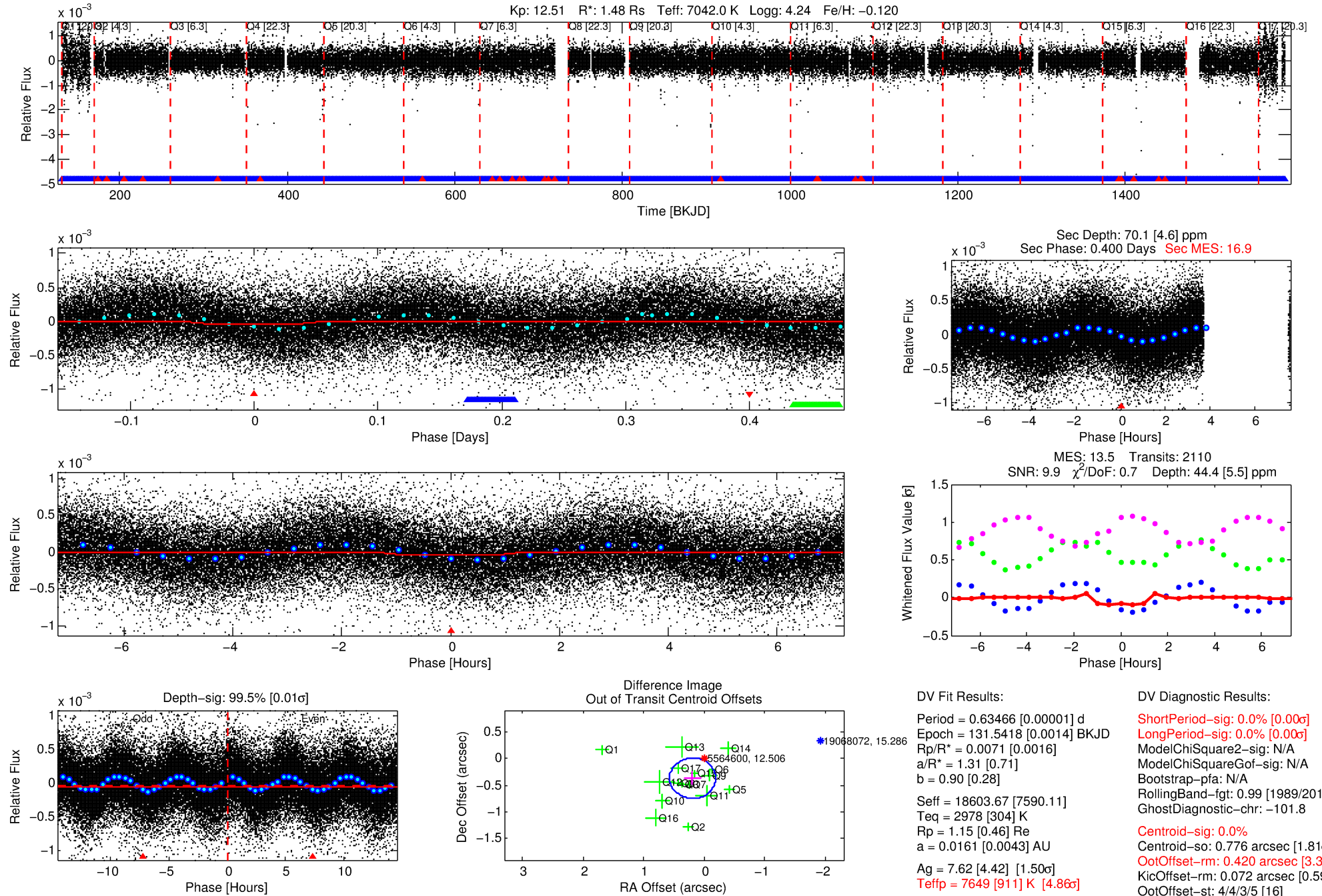
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 005564600-01

No Significant Match Found

DV One-Page Summary

KIC: 5564600 Candidate: 1 of 3 Period: 0.635 d



DV Fit Results:

Period = 0.63466 [0.00001] d
Epoch = 131.5418 [0.0014] BKJD
Rp/R* = 0.0071 [0.0016]
a/R* = 1.31 [0.71]
b = 0.90 [0.28]
Seff = 18603.67 [7590.11]
Teq = 2978 [304] K
Rp = 1.15 [0.46] Re
a = 0.0161 [0.0043] AU
Ag = 7.62 [4.42] [1.50 σ]
Teffp = 7649 [911] K [4.86 σ]

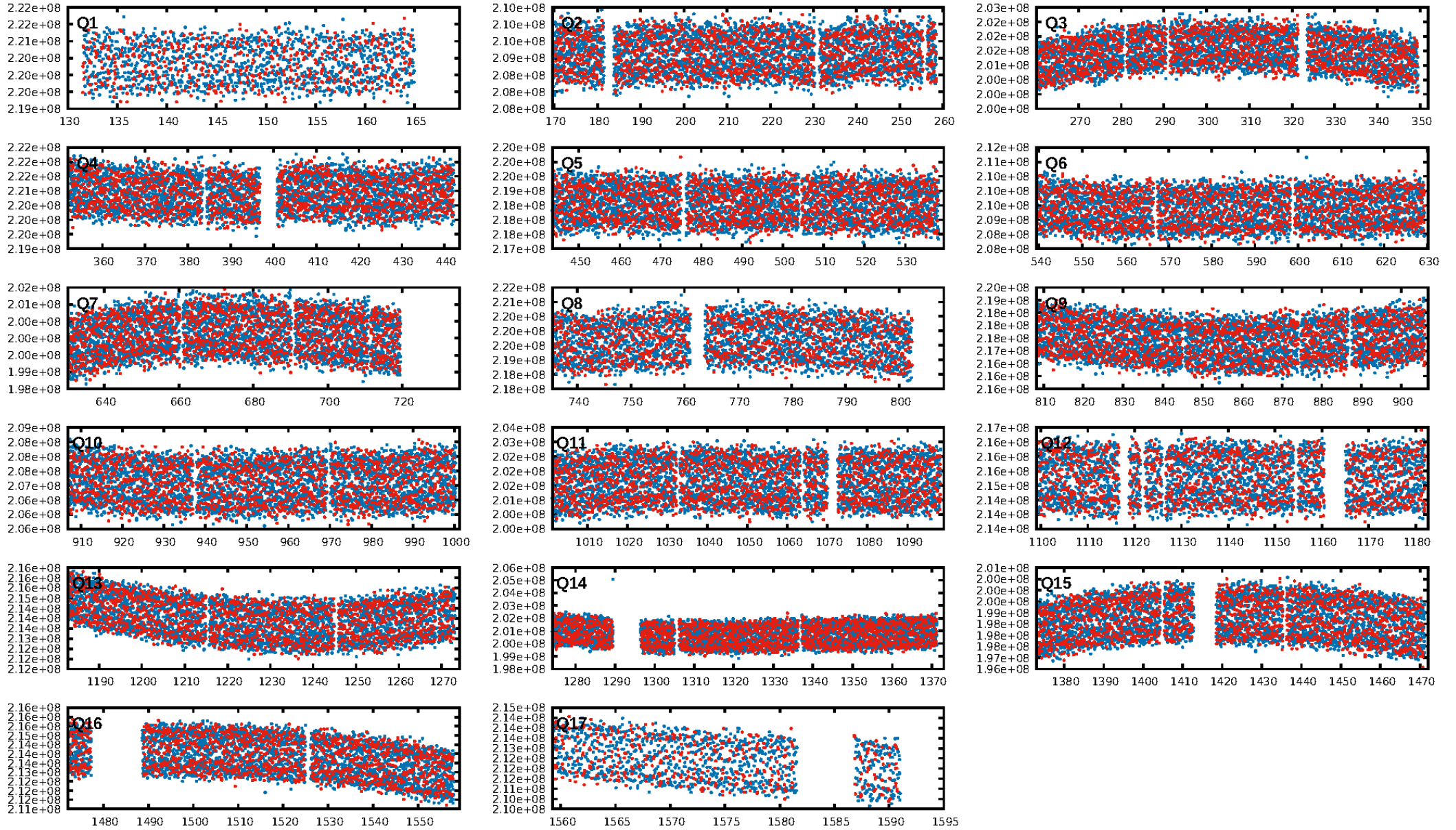
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00 σ]
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.99 [1989/2015]
GhostDiagnostic-chr: -101.8
Centroid-sig: 0.0%
Centroid-so: 0.776 arcsec [1.81 σ]
OotOffset-rm: 0.420 arcsec [3.32 σ]
OotOffset-st: 4/4/3/5 [16]
KicOffset-rm: 0.072 arcsec [0.59 σ]
KicOffset-st: 4/4/3/5 [16]
DiffImageQuality-fgm: 0.88 [14/16]
DiffImageOverlap-fno: 0.00 [0/17]

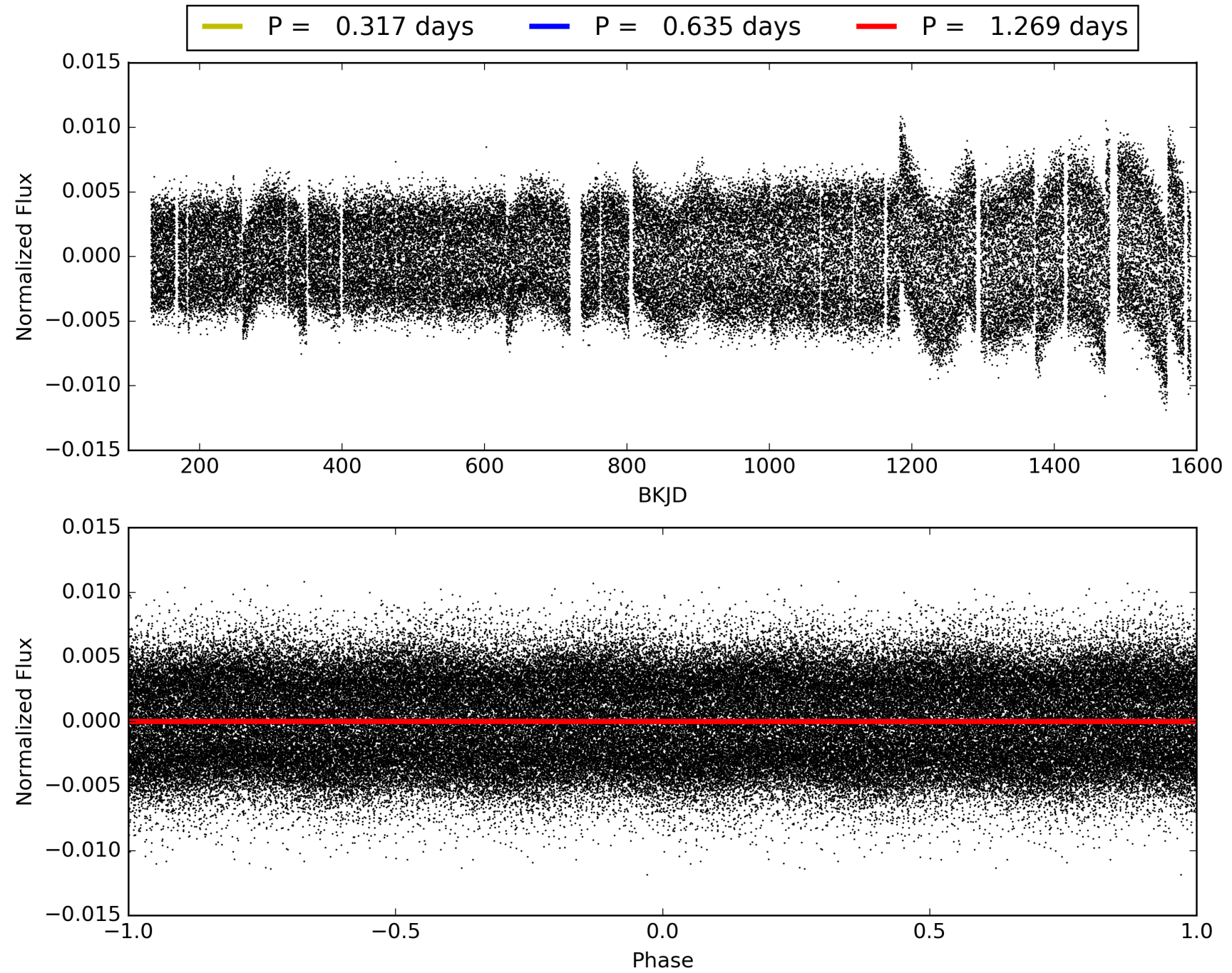
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 14:14:33 Z

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

TCE 005564600-01, PDC Light Curves

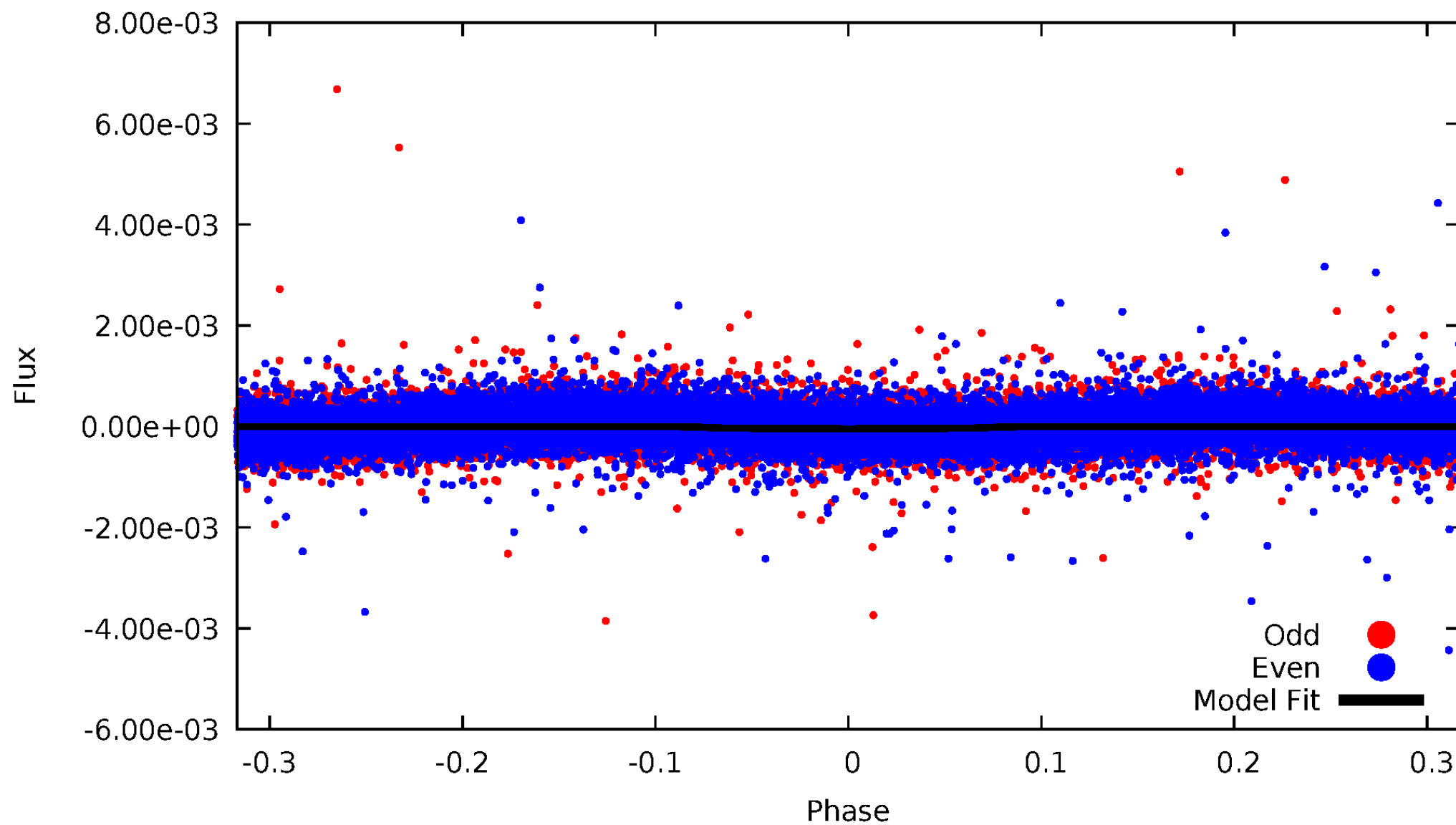


TCE 005564600-01



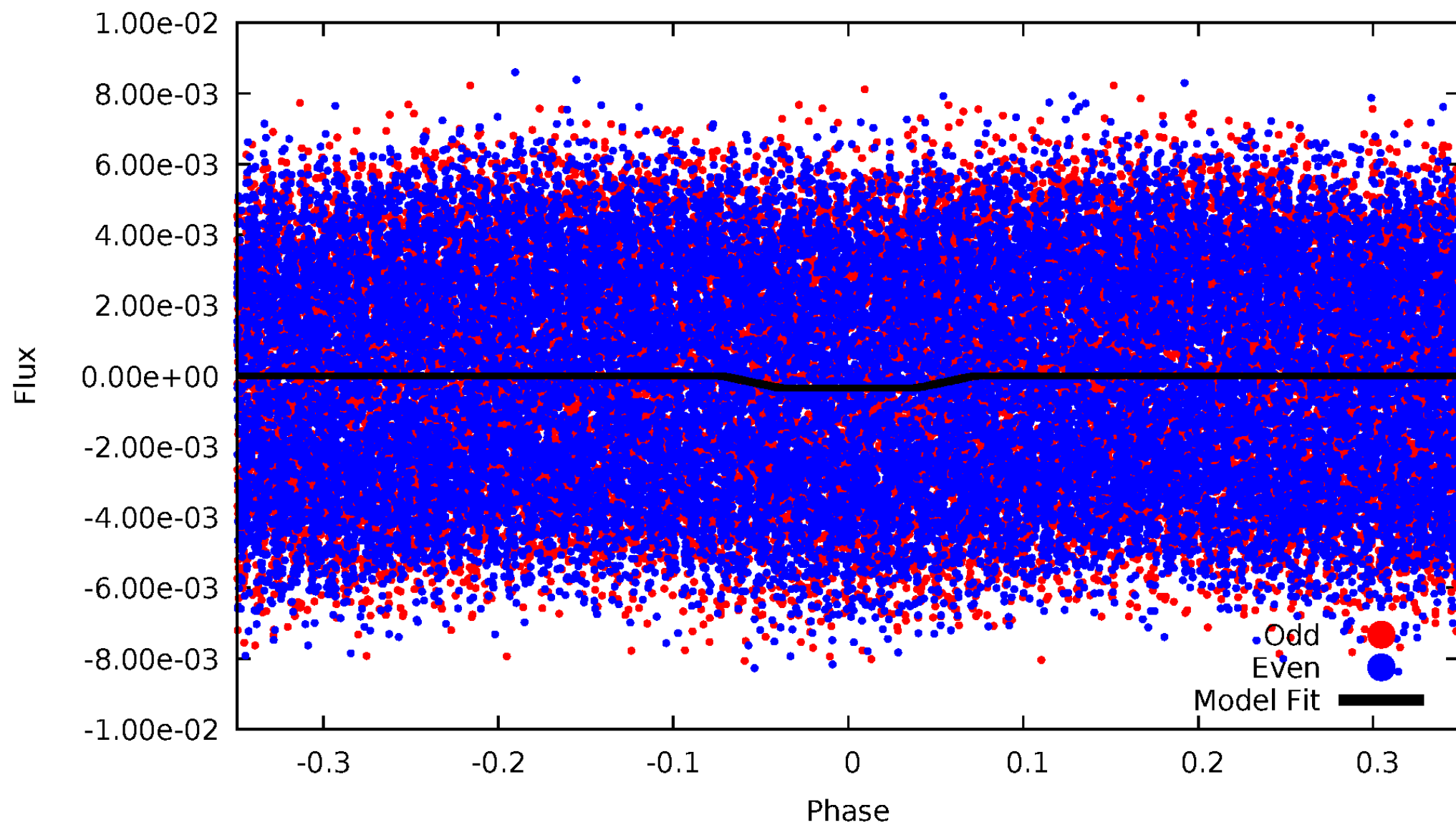
DV Odd/Even

TCE 005564600-01

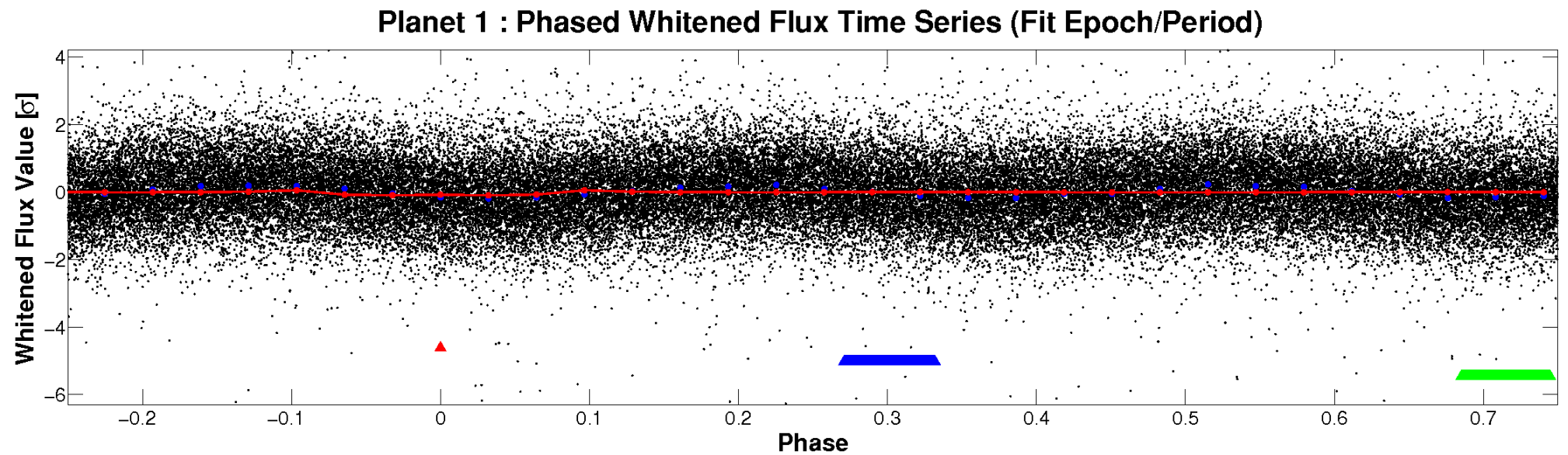
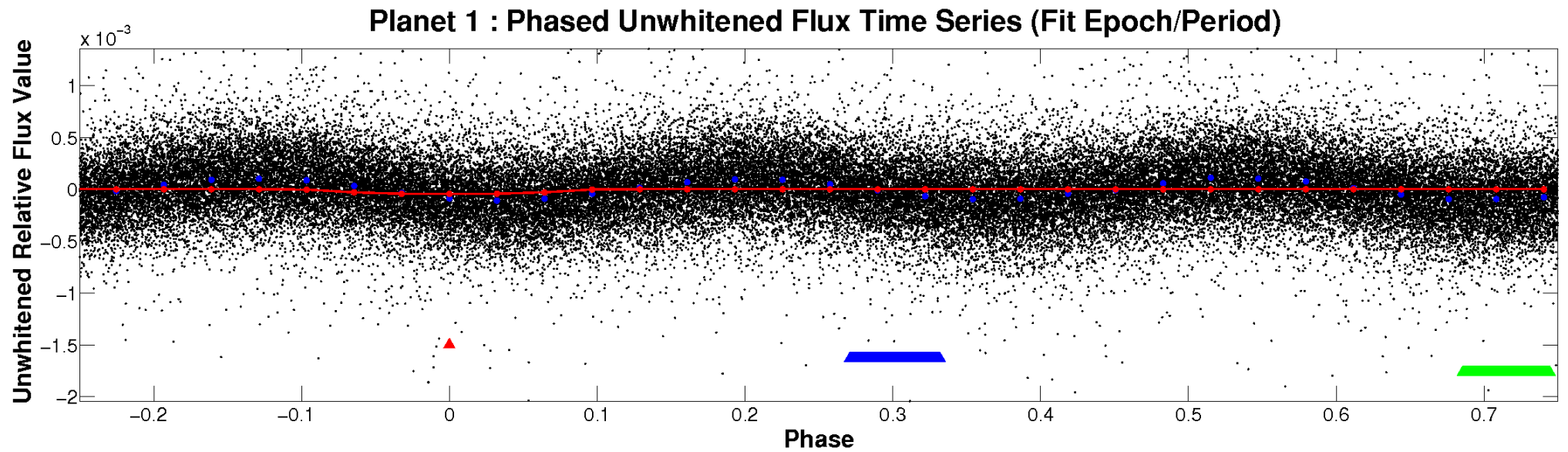


ALT Odd/Even

TCE 005564600-01

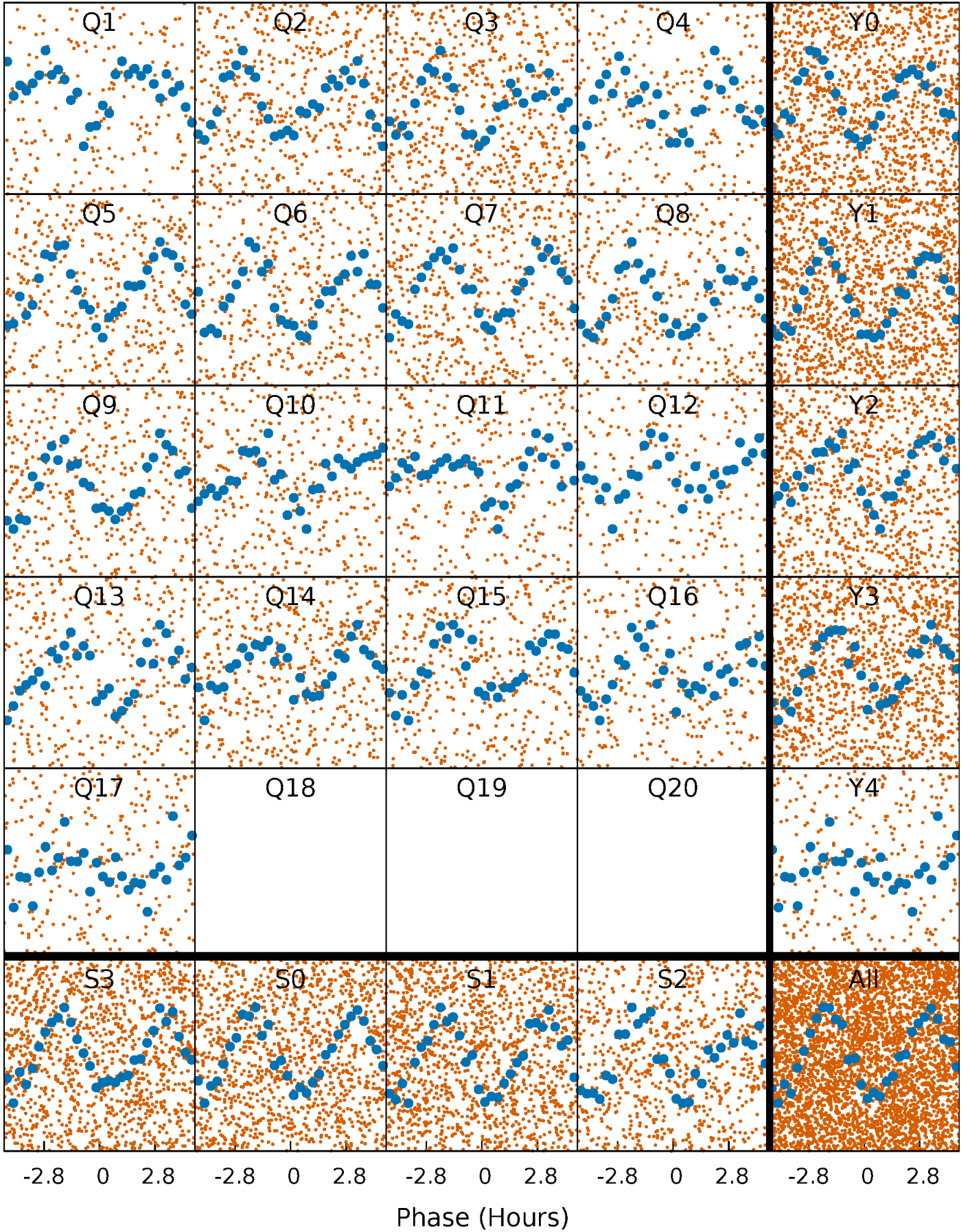


Non-Whitened Vs. Whitened Light Curve



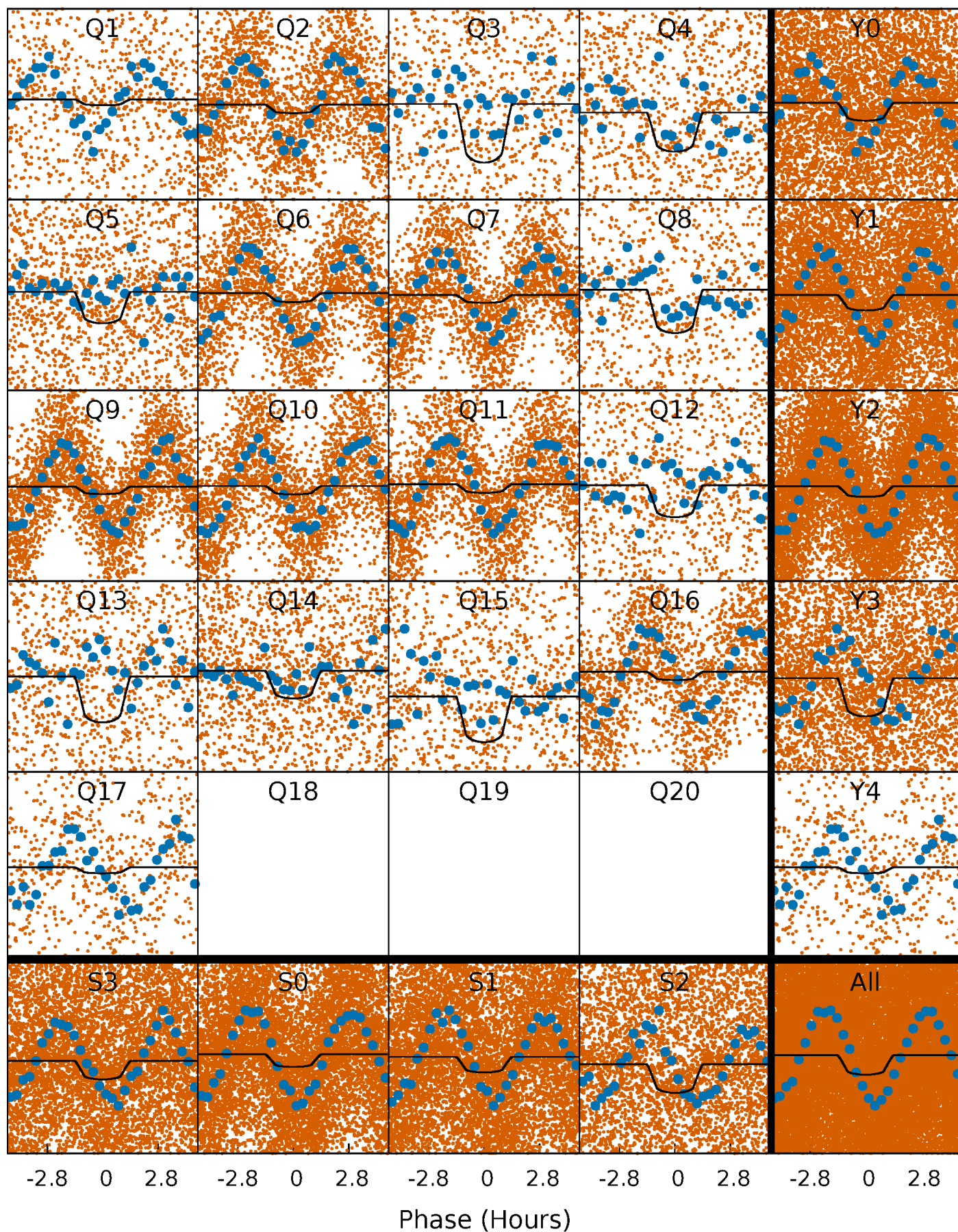
PDC Quarter-Phased Transit Curves

TCE 005564600-01 P= 0.634664 Days $T_0=131.541823$ (BKJD)



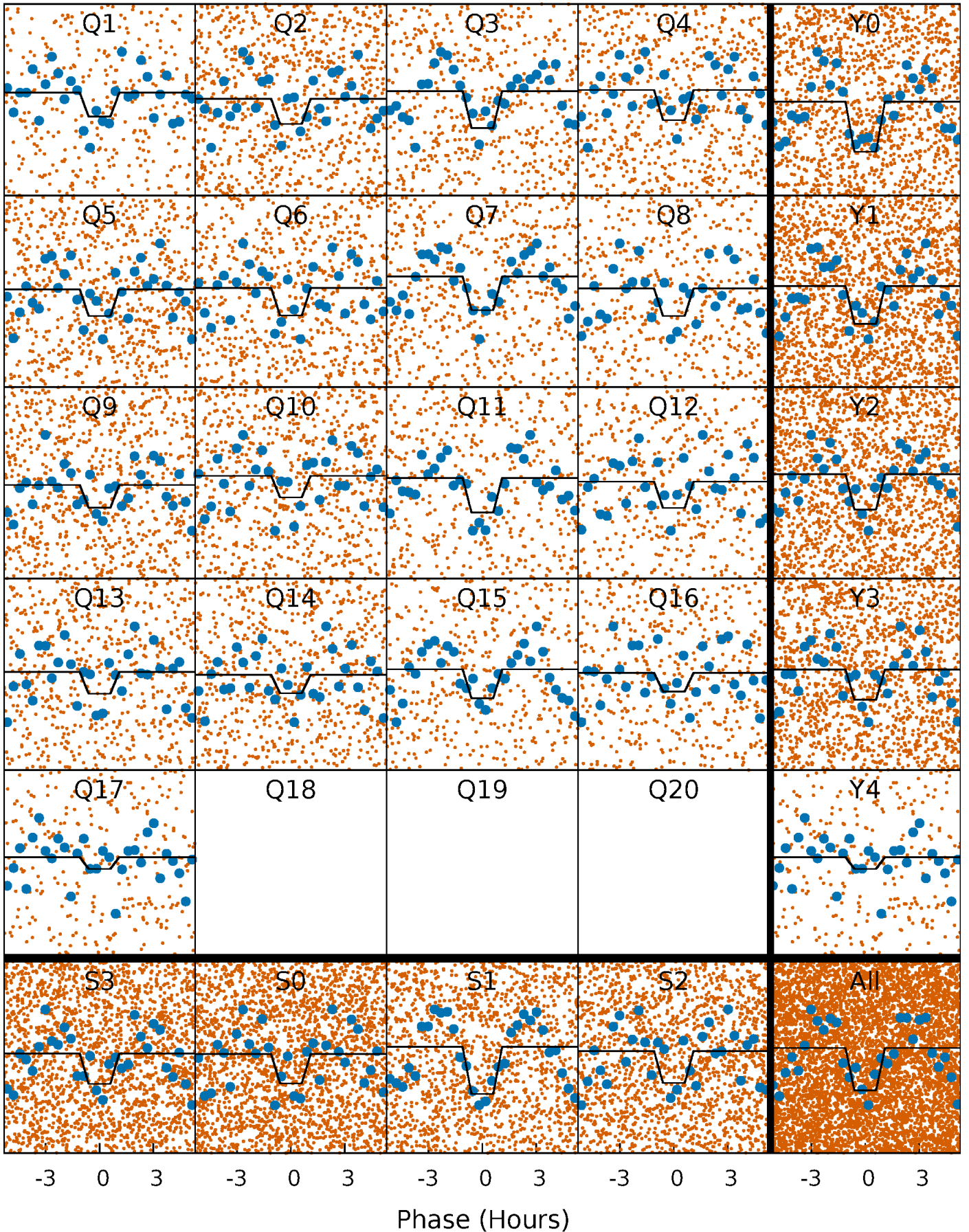
DV Quarter-Phased Transit Curves

TCE 005564600-01 P= 0.634664 Days $T_0=131.541823$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

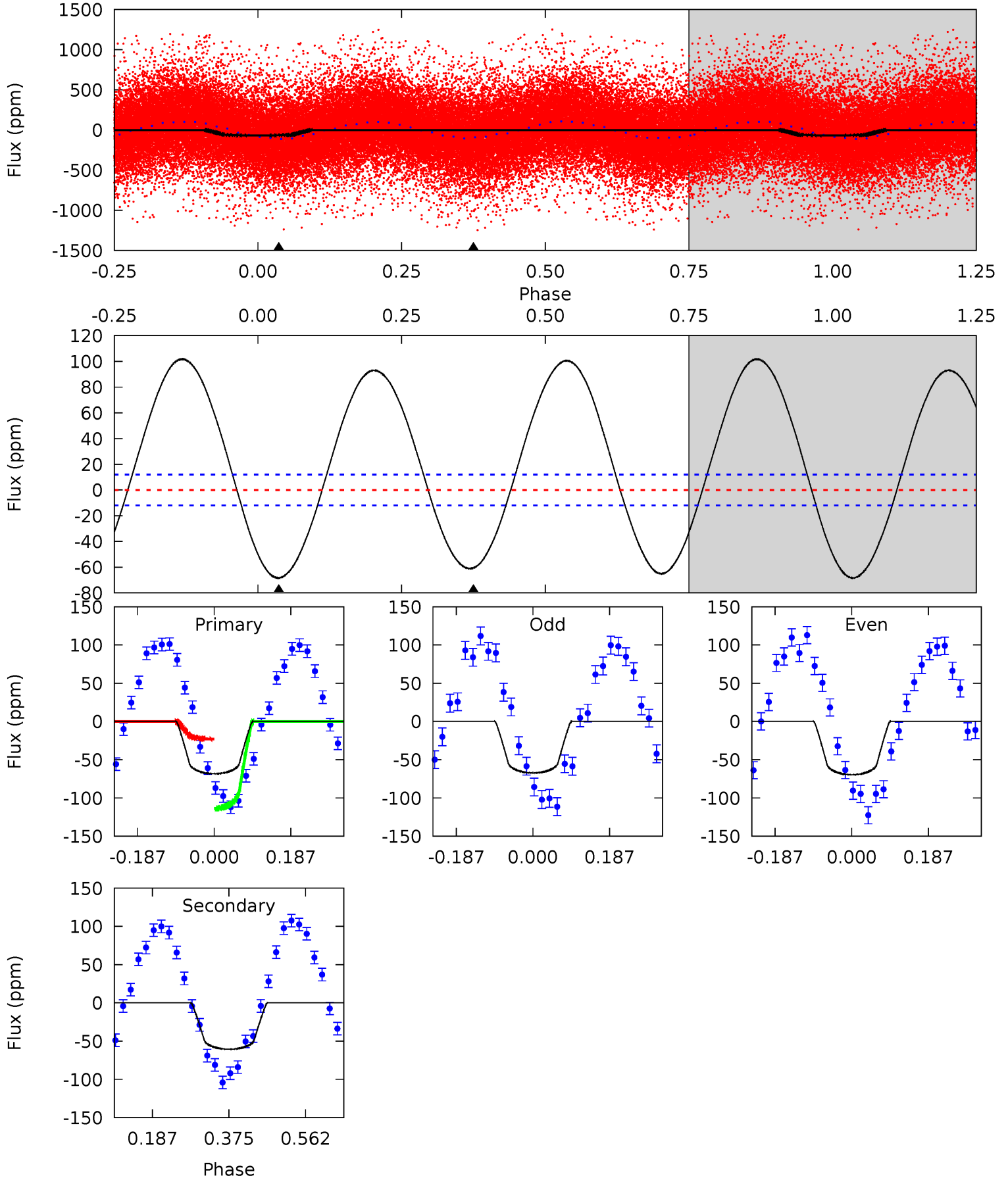
TCE 005564600-01 P= 0.634692 Days $T_0=131.534246$ (BKJD)



DV Model-Shift Uniqueness Test

005564600-01, P = 0.634664 Days, E = 130.907159 Days

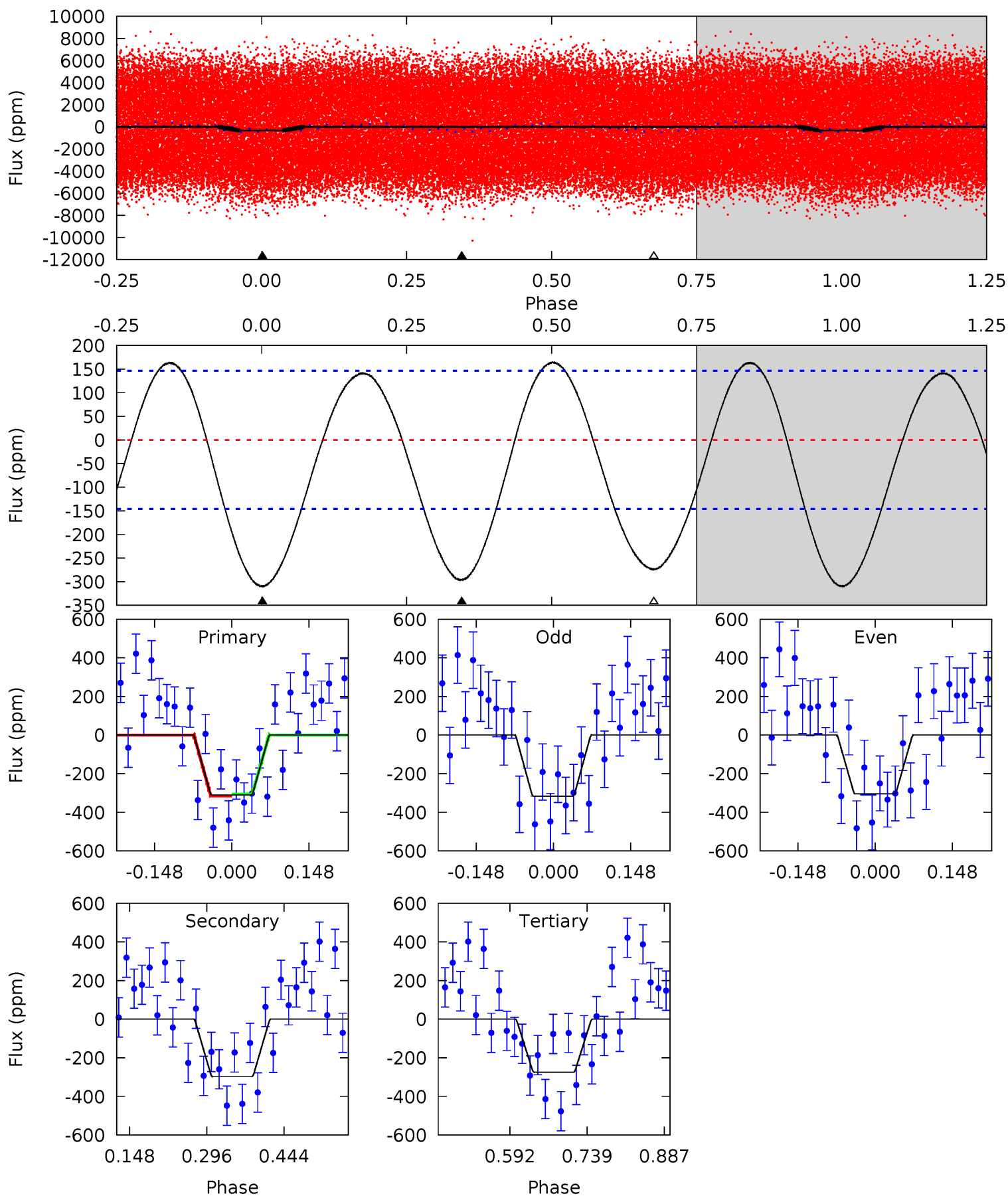
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
25.3	22.4	0	0	4.43	1.32	19.5	25.3	25.3	22.4	22.4	0.42	1.00	0.60	17.2



Alt Model-Shift Uniqueness Test

005564600-01, P = 0.634692 Days, E = 130.899554 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
9.52	9.11	8.42	0	4.48	1.45	4.91	1.10	9.52	0.69	9.11	0.18	0.94	0.35	0.16



Stellar Parameters For KIC 005564600

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7042^{+197}_{-296}	$4.238^{+0.105}_{-0.195}$	$-0.120^{+0.250}_{-0.350}$	$1.479^{+0.489}_{-0.226}$	$1.387^{+0.220}_{-0.220}$	$0.604^{+0.298}_{-0.316}$
	+3%/-4%	+2%/-5%	+208%/-292%	+33%/-15%	+16%/-16%	+49%/-52%
Source	PHO1	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 005564600-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-61 ± 3	$1.18^{+0.30}_{-0.29}$	4205^{+316}_{-276}	7216^{+1404}_{-819}	$6.106^{+4.736}_{-2.206}$
Alt.	-297 ± 33	$3.03^{+0.48}_{-0.41}$	4191^{+328}_{-246}	6646^{+491}_{-424}	$4.509^{+1.590}_{-1.145}$

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 $A_{obs} \gg 1.0$

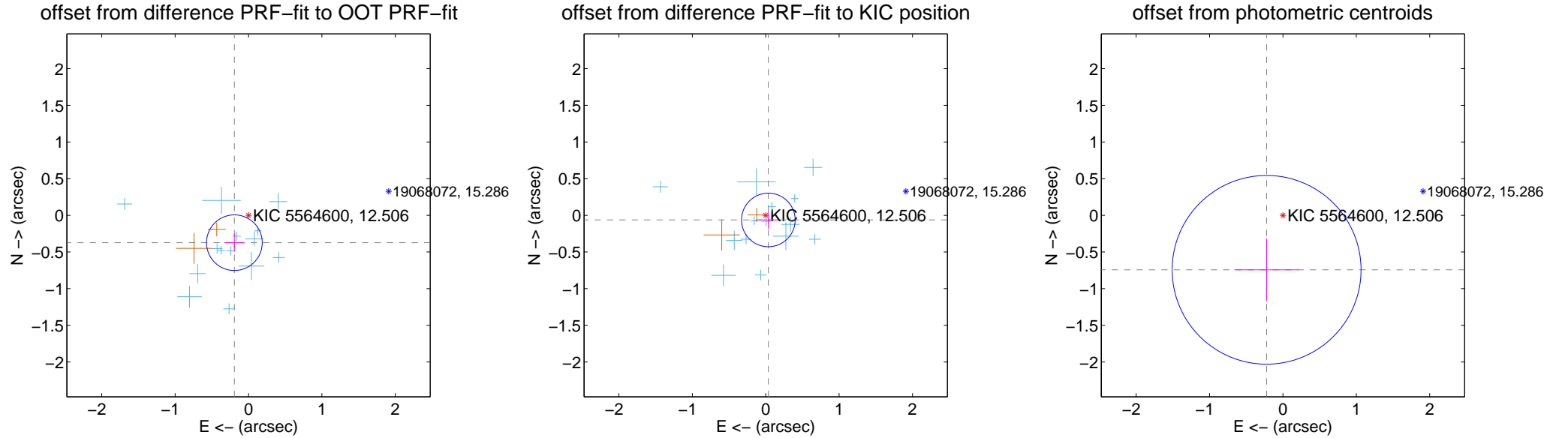
DV Centroid Data

Supplemental centroid analysis for 005564600-01. Kepler magnitude: 12.51. Transit SNR 9.90

There are 14 quarters with good PRF difference image offsets

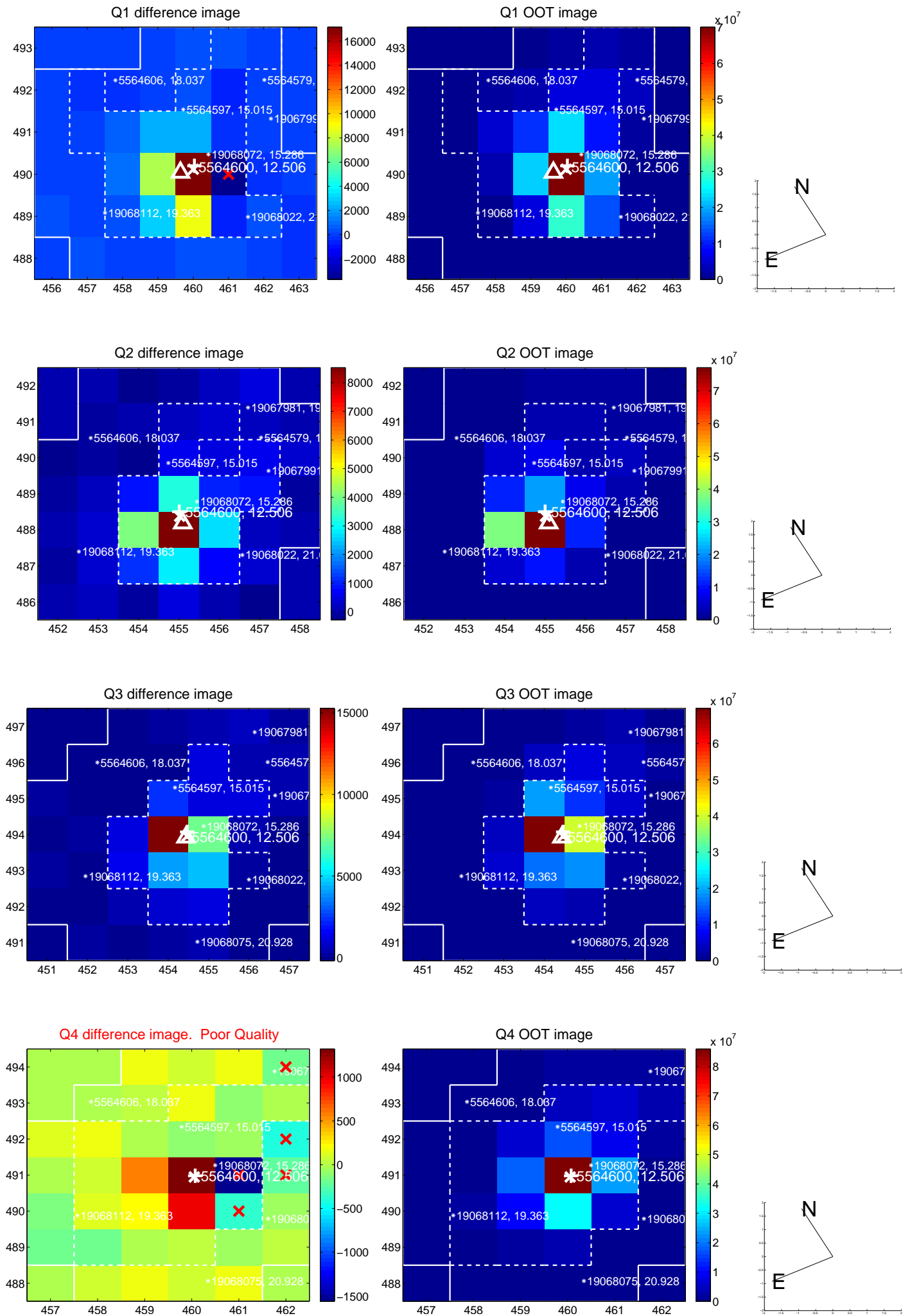
The direct PRF centroid is offset from the target star catalog position by about 0.37 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.420 ± 0.126	3.32	0.193 ± 0.135	-0.373 ± 0.122
PRF-fit source offset from KIC position	0.072 ± 0.122	0.59	-0.036 ± 0.134	-0.063 ± 0.121
photometric centroid source offset	0.78 ± 0.43	1.81	0.22 ± 0.44	-0.74 ± 0.43

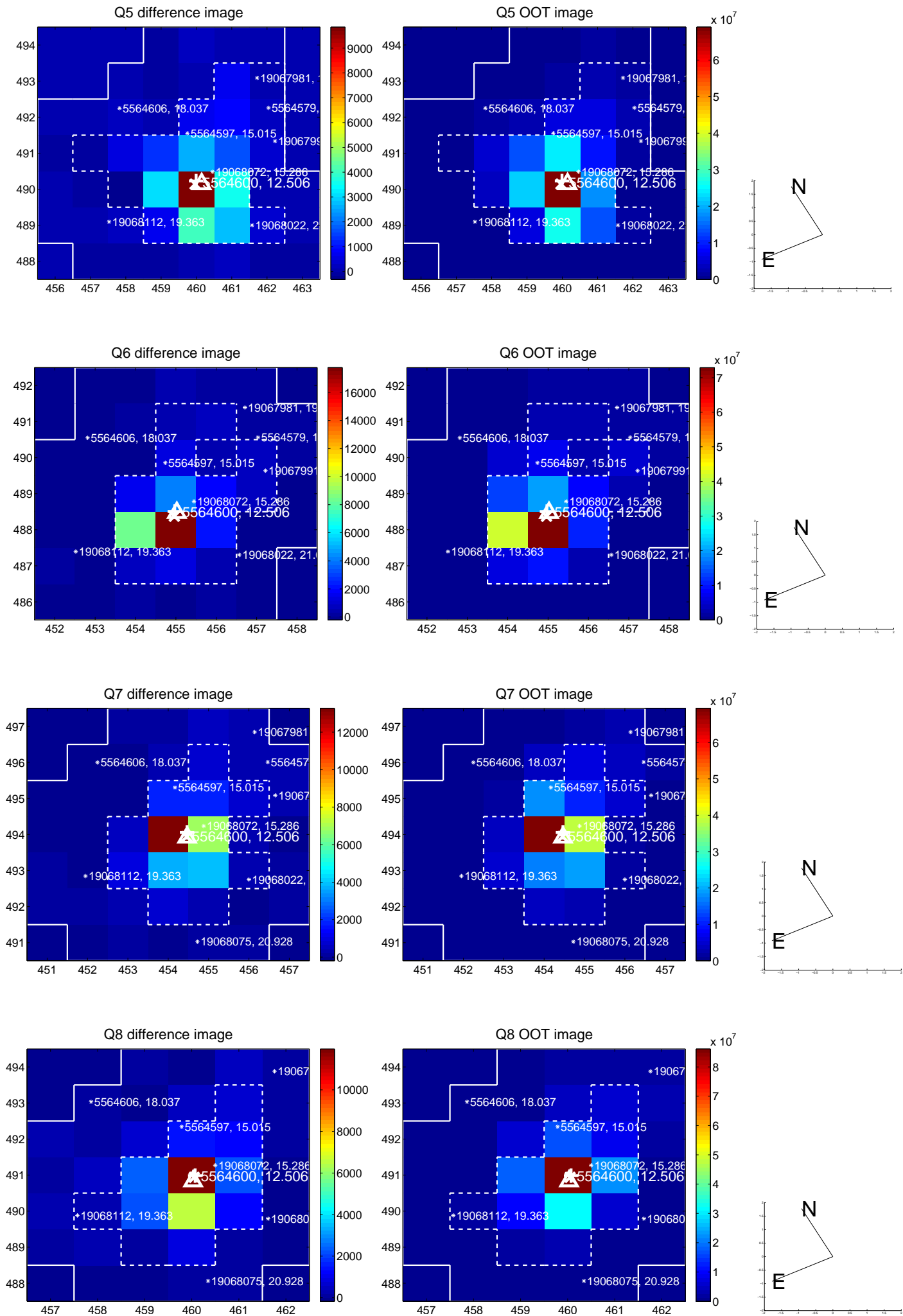


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

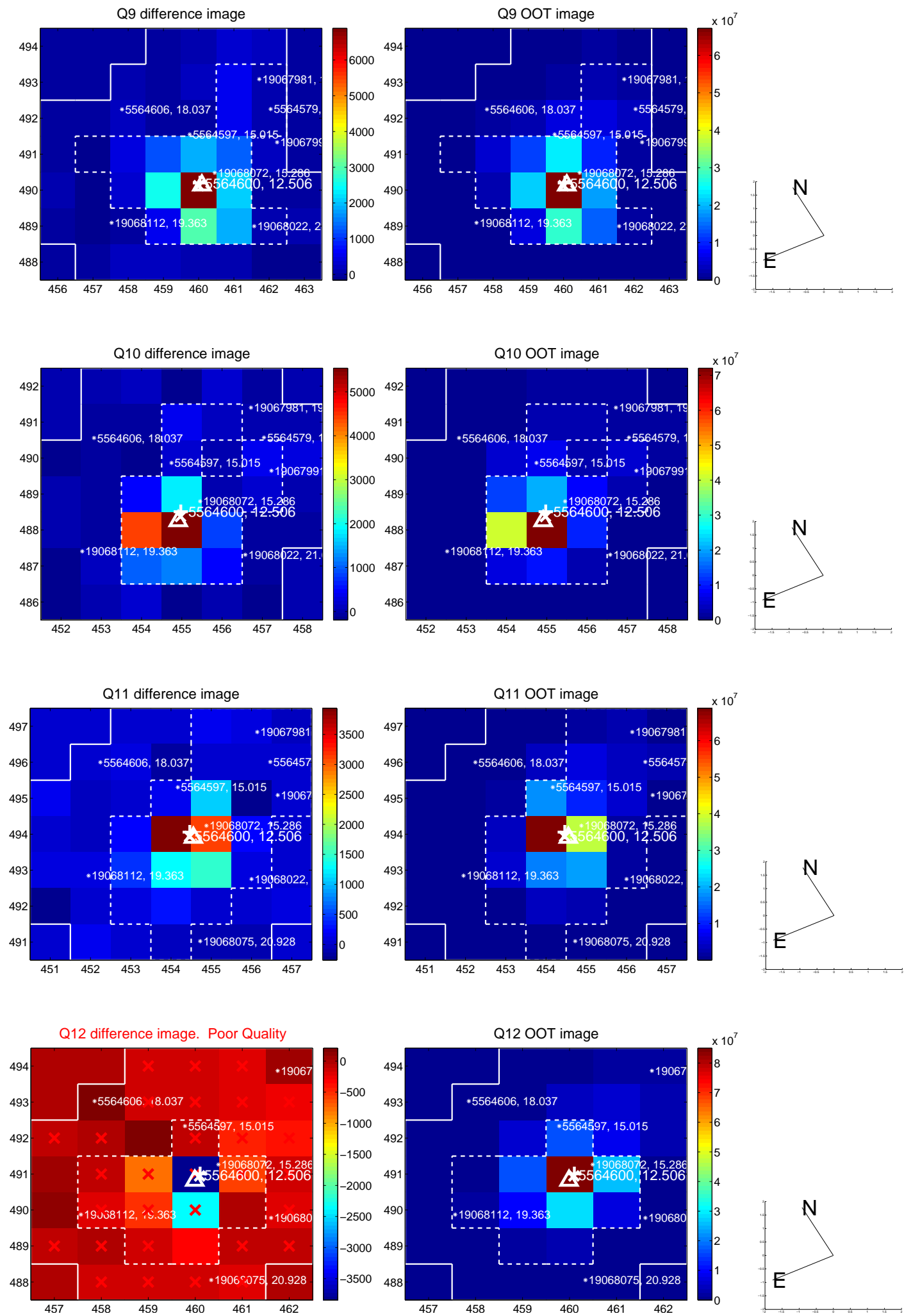
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



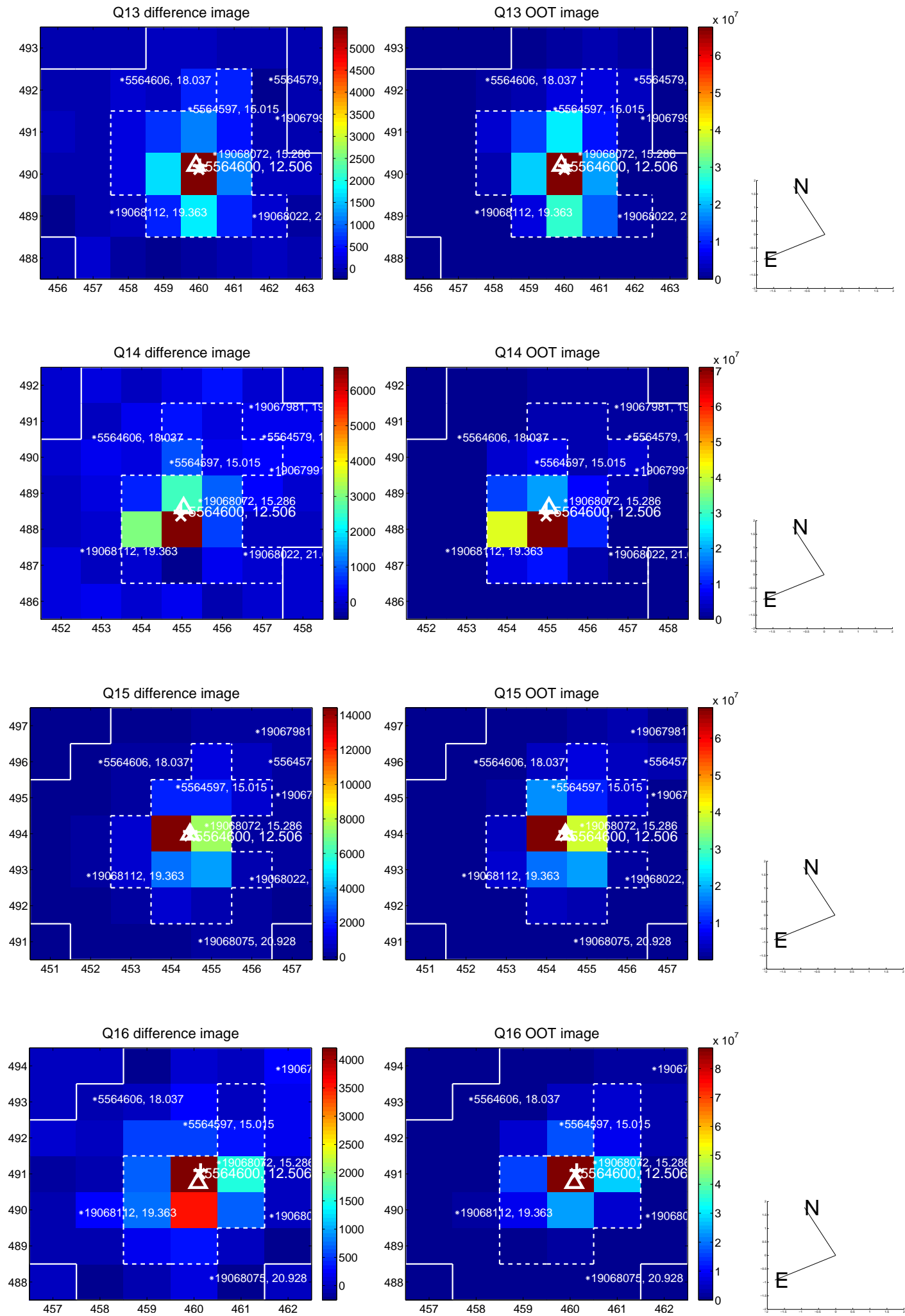
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



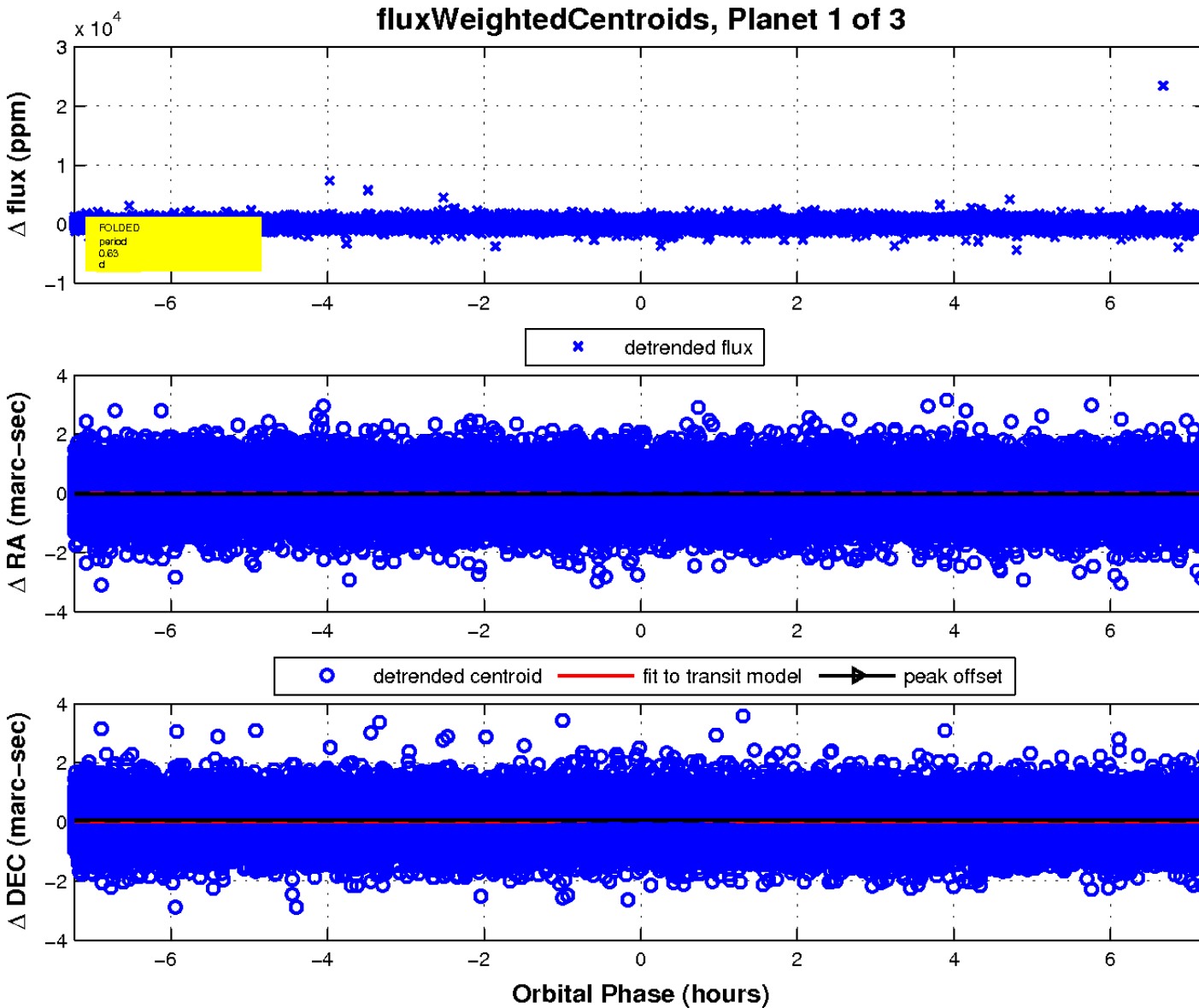
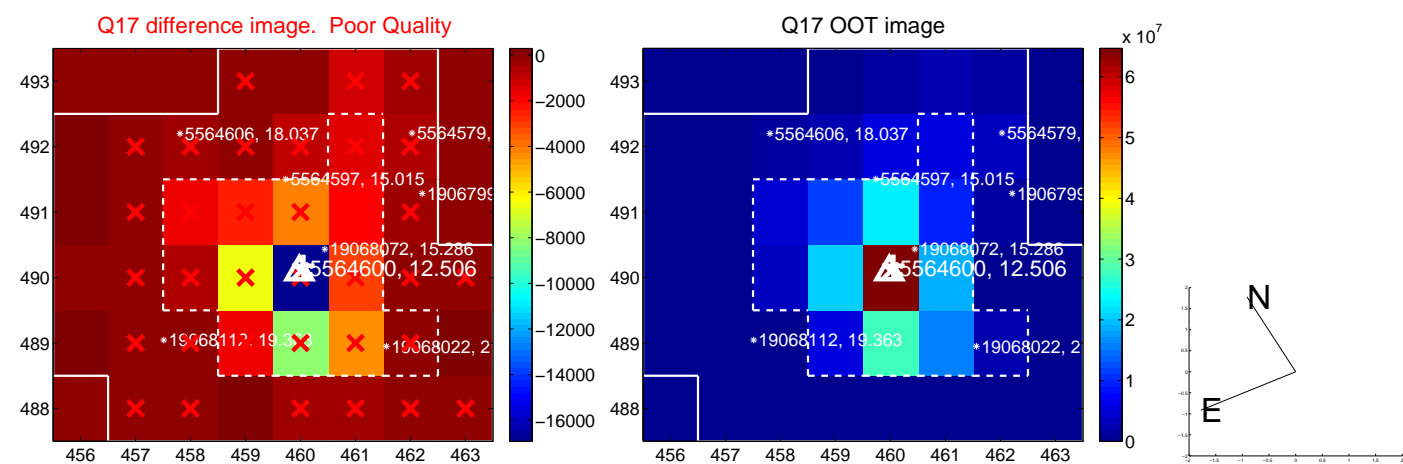
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

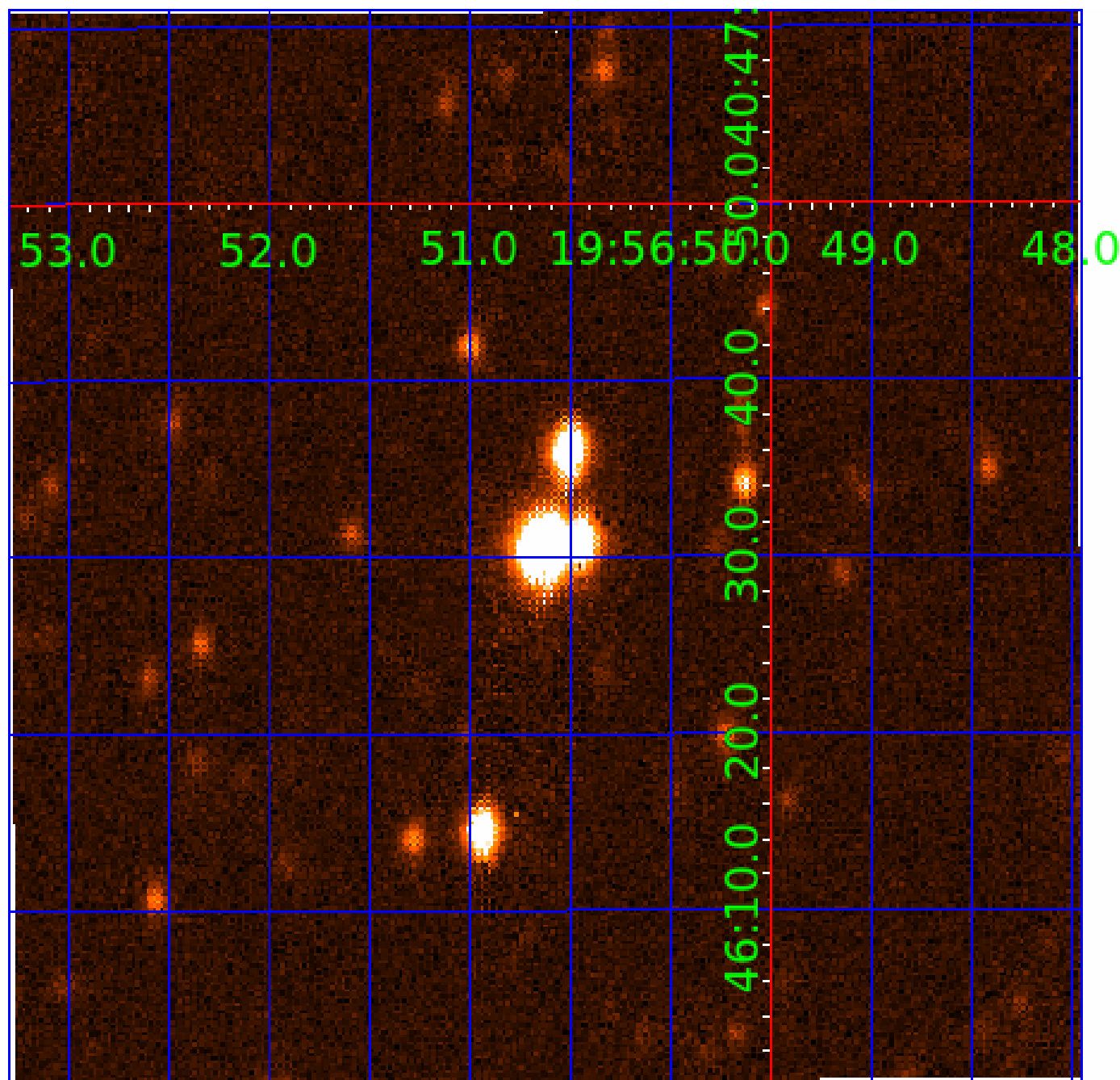


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 005564600

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})
005564600-01	OBS	No	0.634664	131.541823	44.4	2.412	13.5	9.9	1.48	7042	1.15	18603.67
005564600-02	OBS	No	0.634647	131.752534	55.2	3.962	16.3	11.3	1.48	7042	1.11	18604.33
005564600-03	OBS	No	0.634681	131.976794	109.6	1.294	18.4	20.5	1.48	7042	1.58	18603.03

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005564600-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—CENT_KIC_POS
005564600-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA_TRACKER—LPP_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
005564600-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—TRANS_GAPPED—LPP_DV—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.

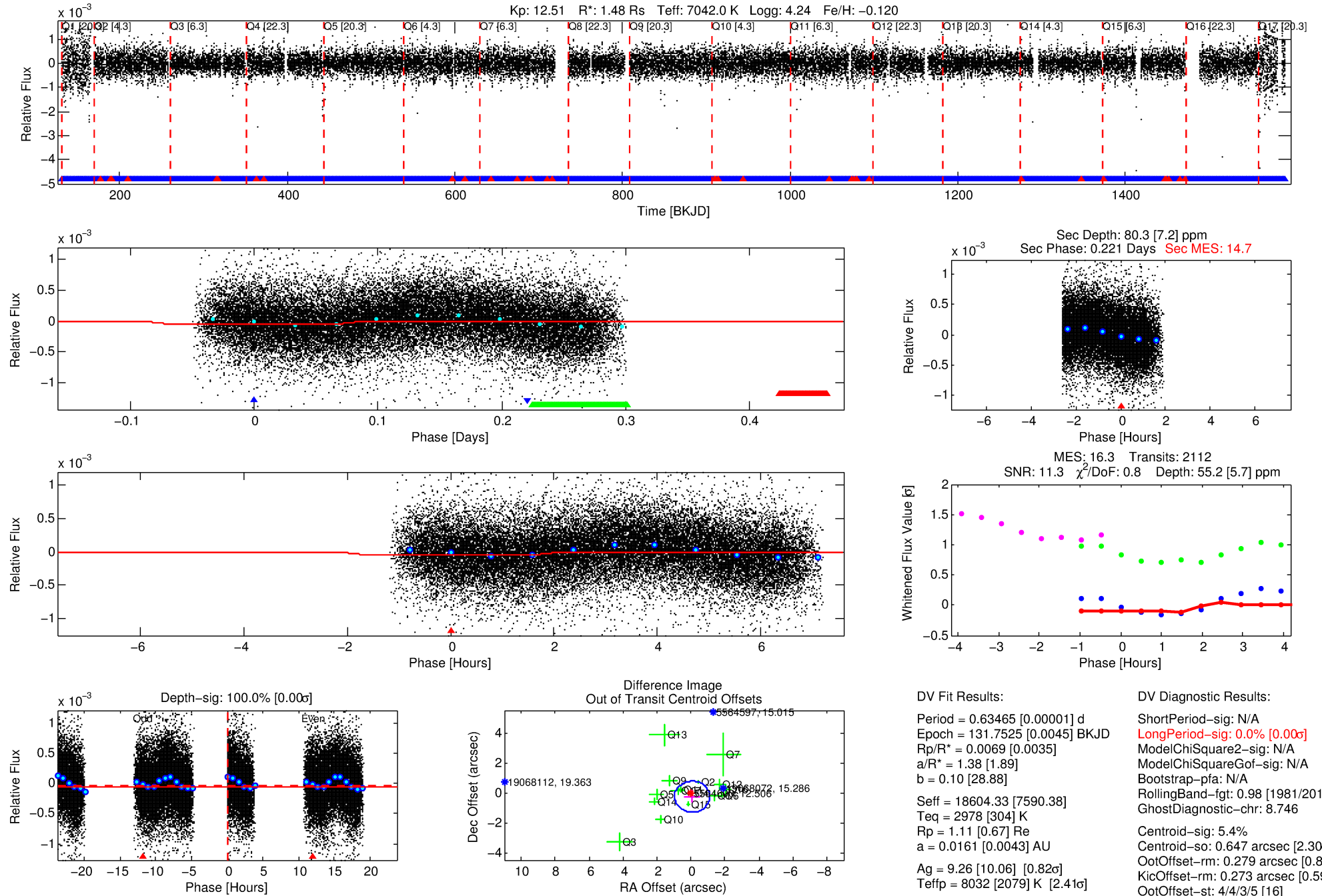
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 005564600-02

No Significant Match Found

DV One-Page Summary

KIC: 5564600 Candidate: 2 of 3 Period: 0.635 d



DV Fit Results:

Period = 0.63465 [0.00001] d
Epoch = 131.7525 [0.0045] BKJD
Rp/R* = 0.0069 [0.0035]
a/R* = 1.38 [1.89]
b = 0.10 [28.88]
Seff = 18604.33 [7590.38]
Teff = 2978 [304] K
Rp = 1.11 [0.67] Re
a = 0.0161 [0.0043] AU
Ag = 9.26 [10.06] [0.82 σ]
Teffp = 8032 [2079] K [2.41 σ]

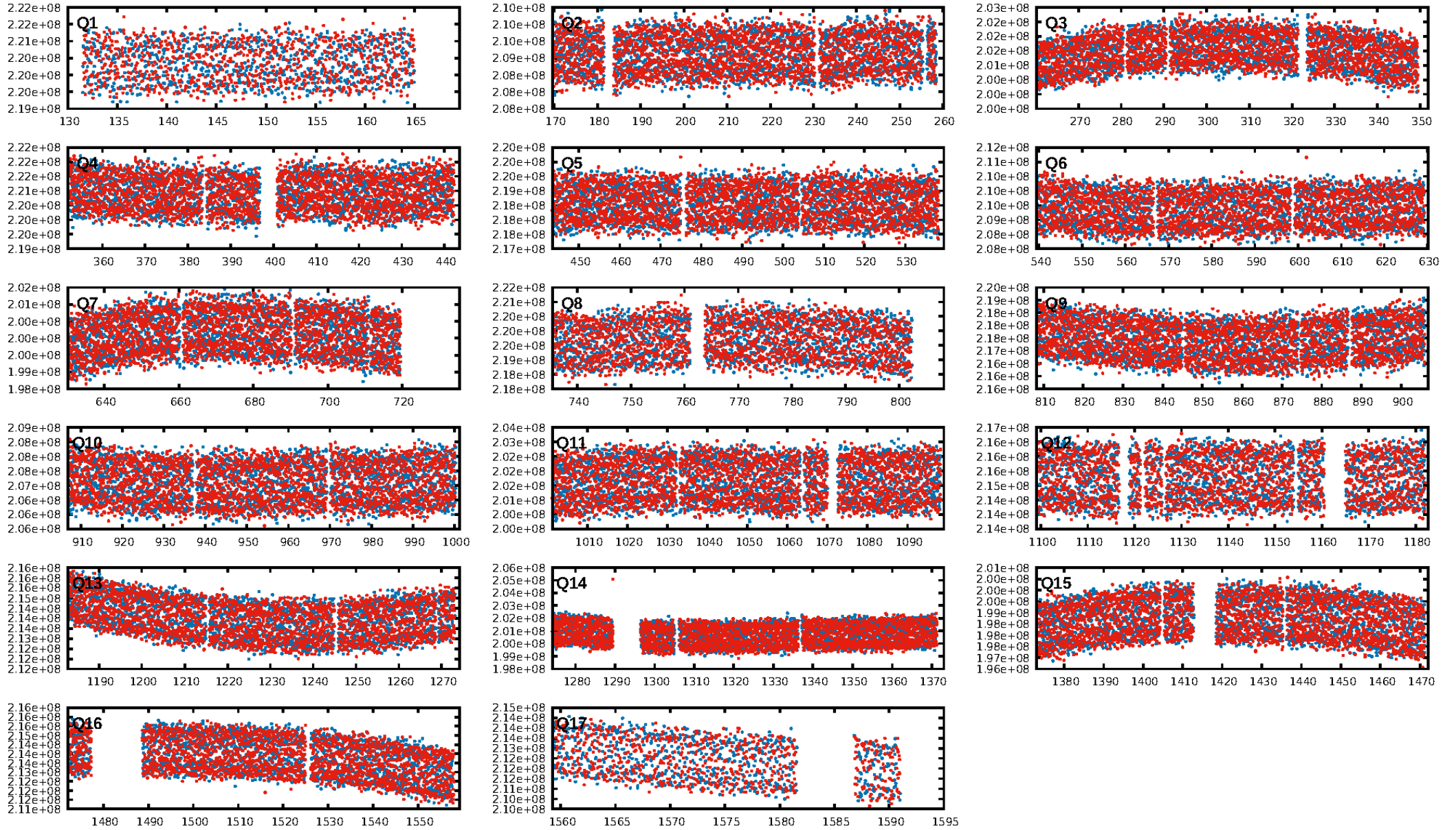
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00 σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.98 [1981/2017]
GhostDiagnostic-chr: 8.746
Centroid-sig: 5.4%
Centroid-so: 0.647 arcsec [2.30 σ]
OotOffset-rm: 0.279 arcsec [0.81 σ]
KicOffset-rm: 0.273 arcsec [0.59 σ]
OotOffset-st: 4/4/3/5 [16]
KicOffset-st: 4/4/3/5 [16]
DiffImageQuality-fgm: 0.38 [6/16]
DiffImageOverlap-fno: 0.00 [0/17]

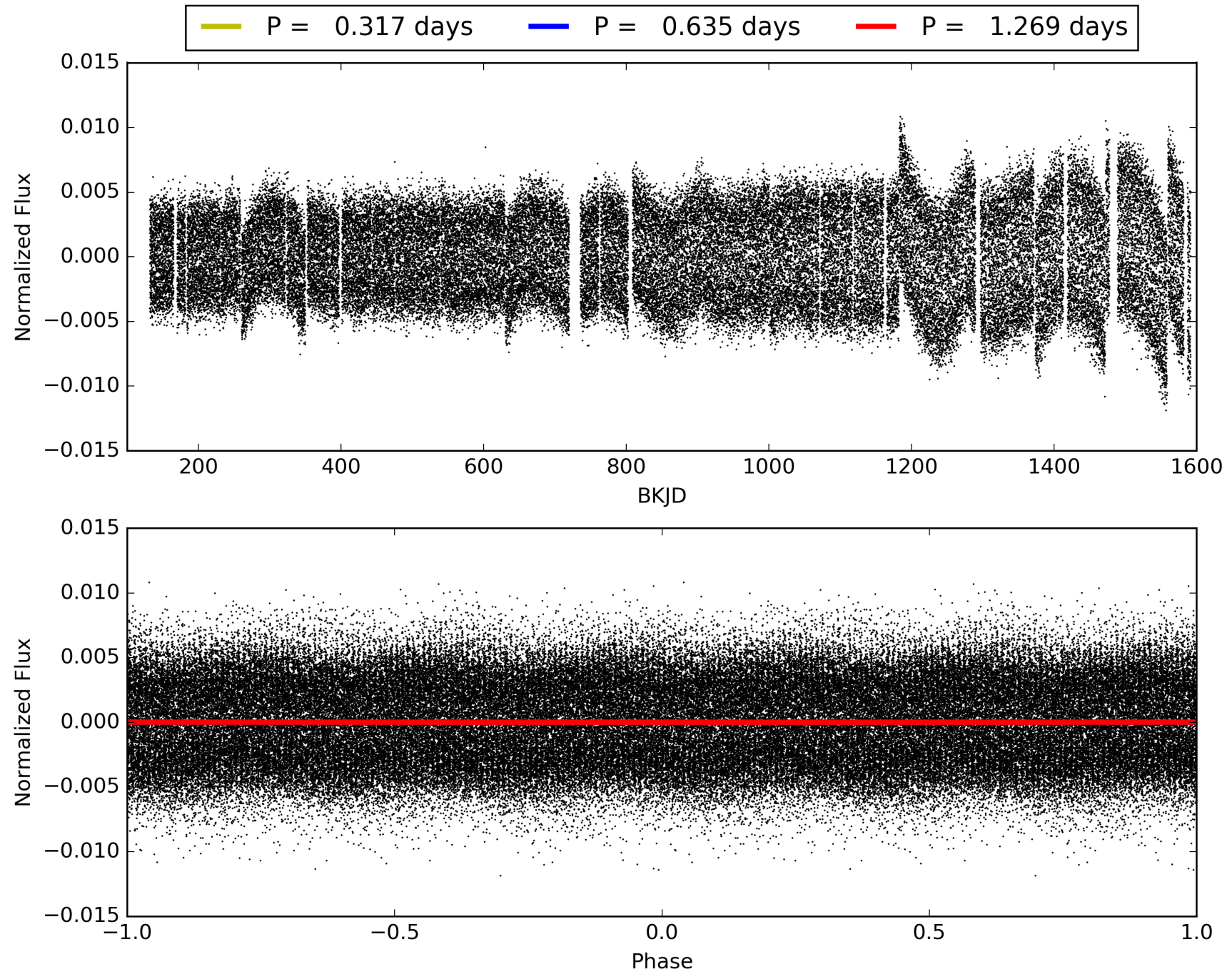
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 30-Jan-2016 14:14:57 Z

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

TCE 005564600-02, PDC Light Curves

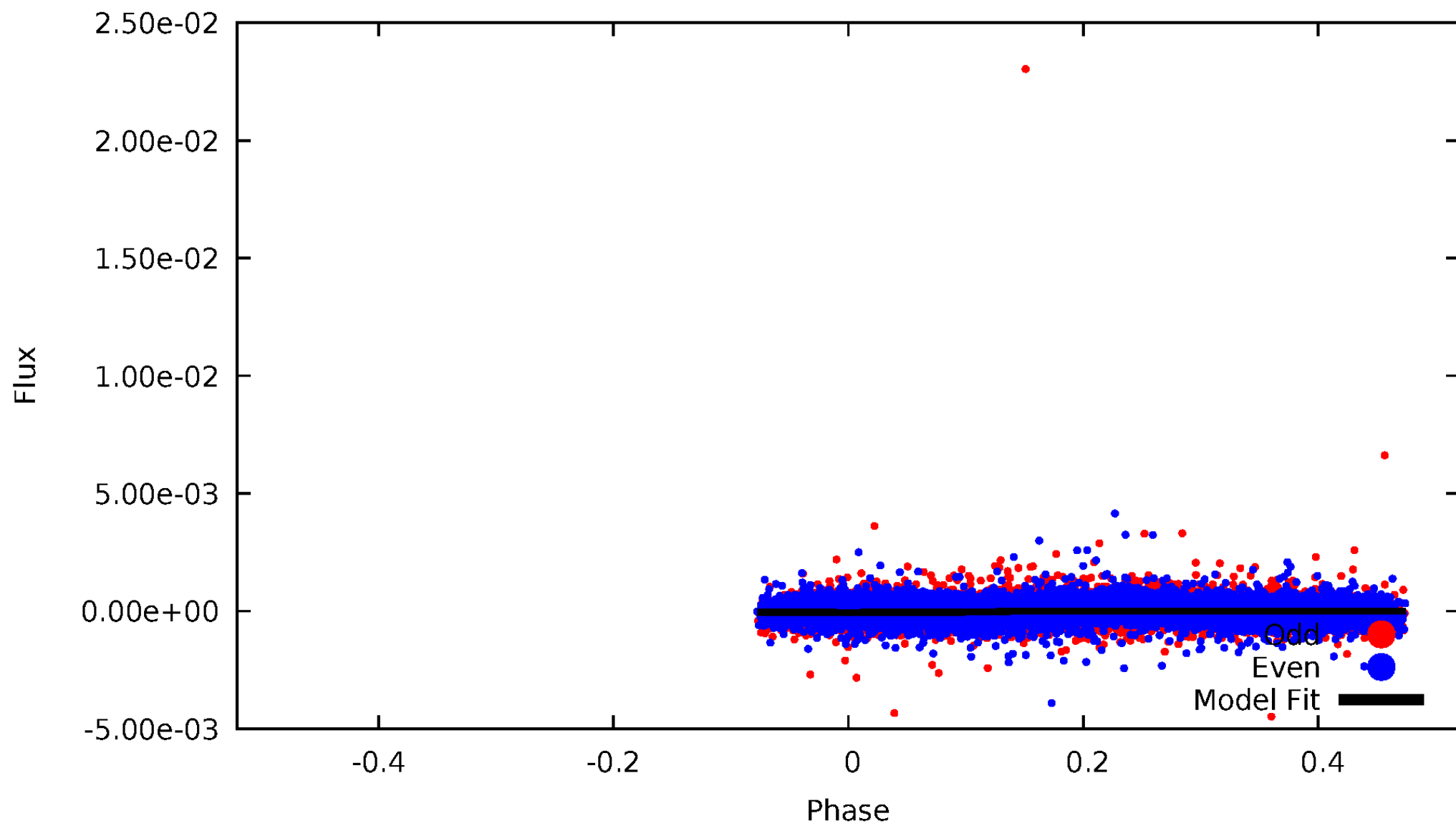


TCE 005564600-02



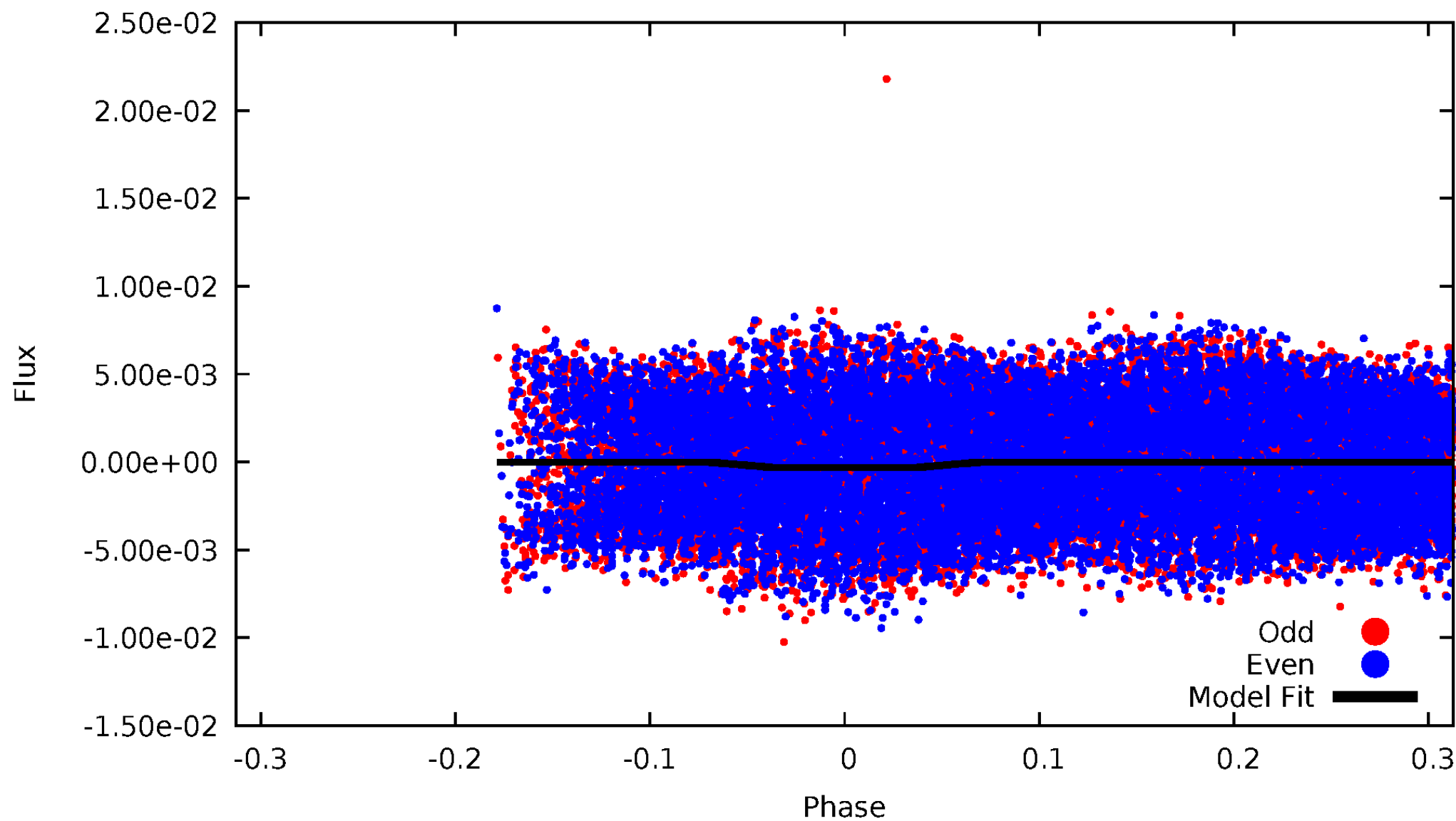
DV Odd/Even

TCE 005564600-02



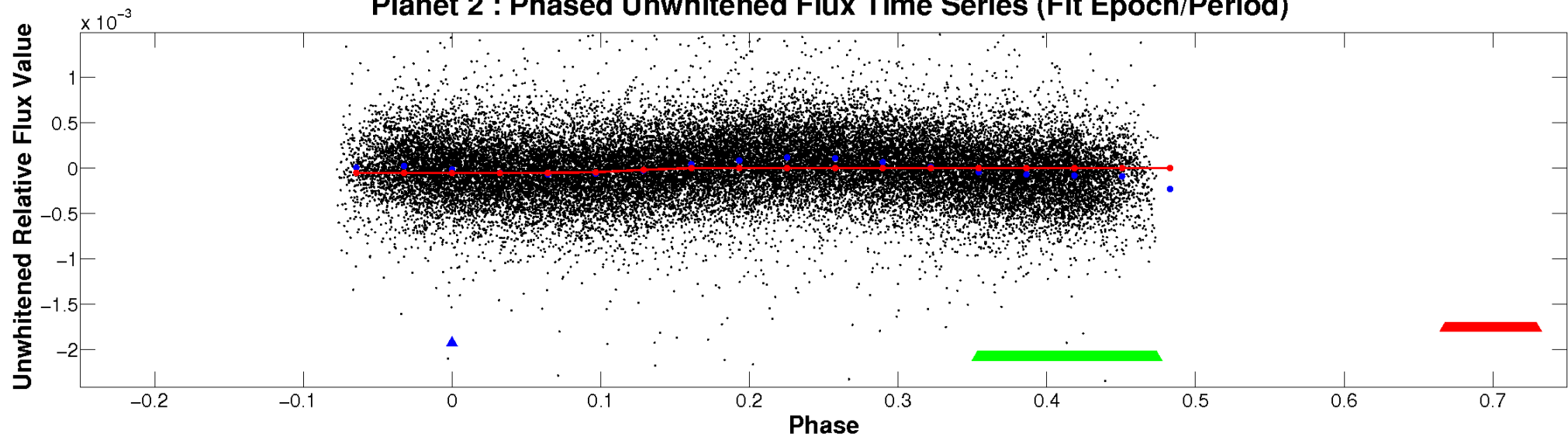
ALT Odd/Even

TCE 005564600-02

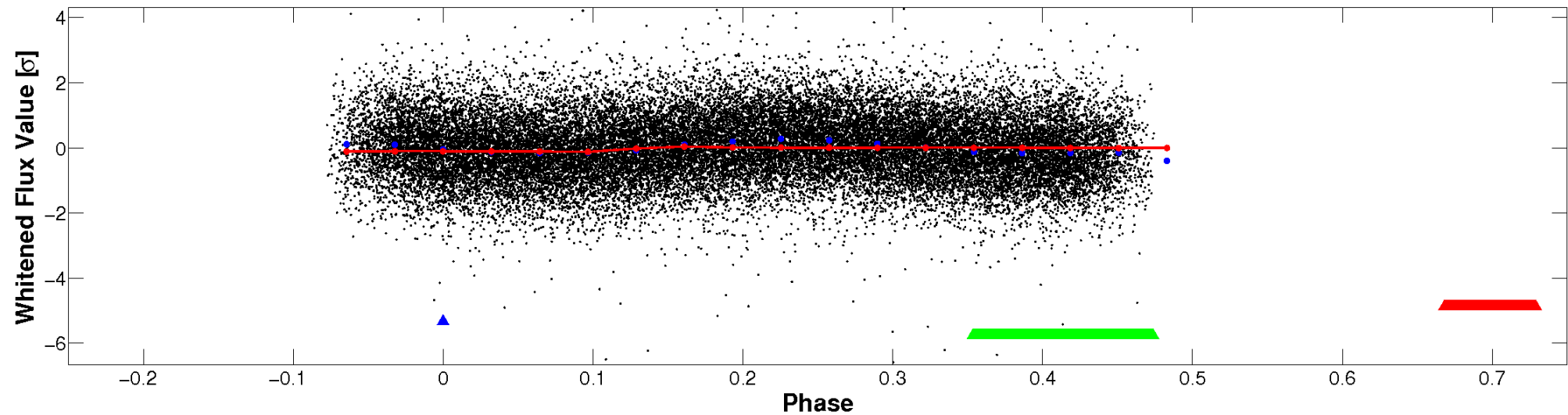


Non-Whitened Vs. Whitened Light Curve

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

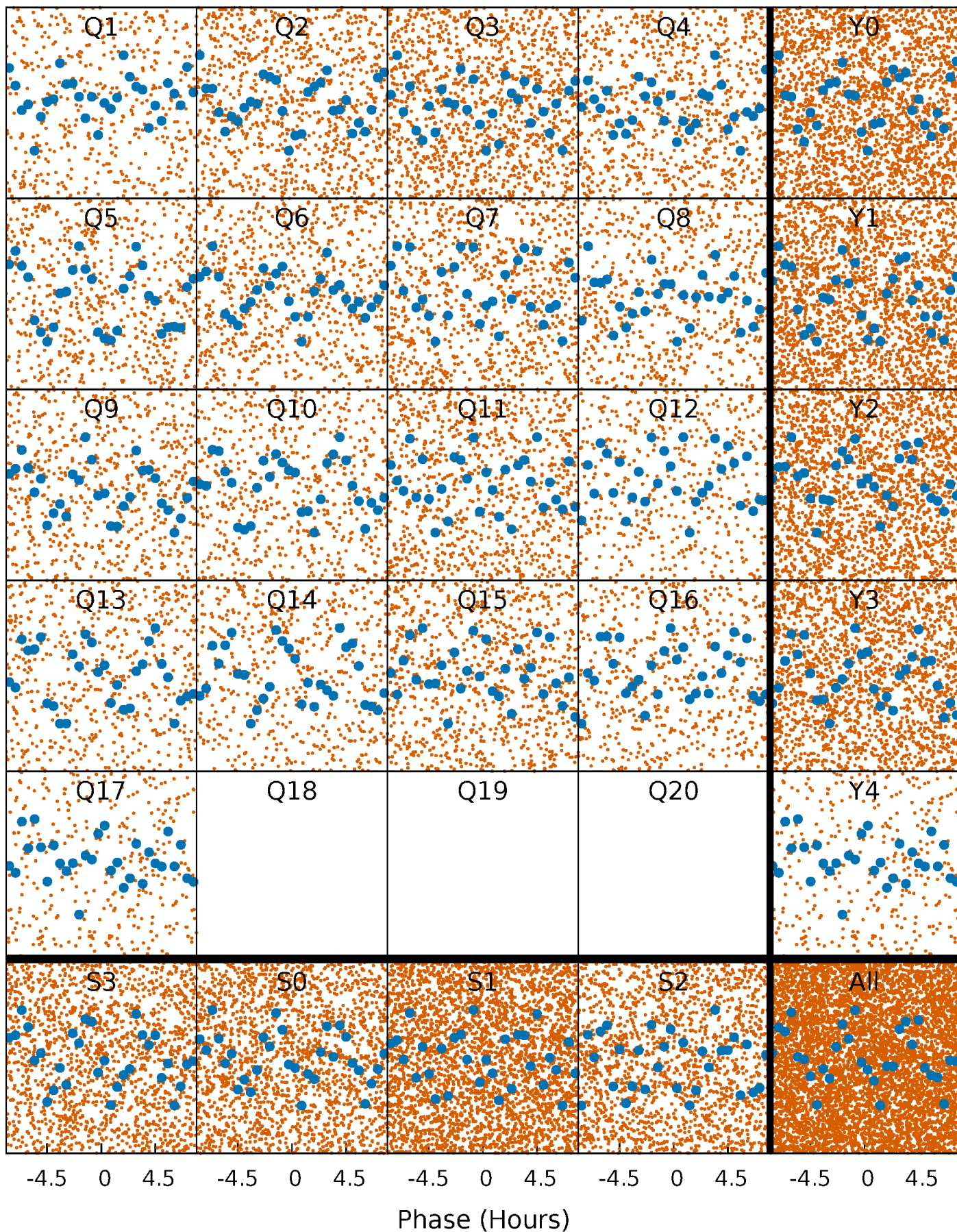


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



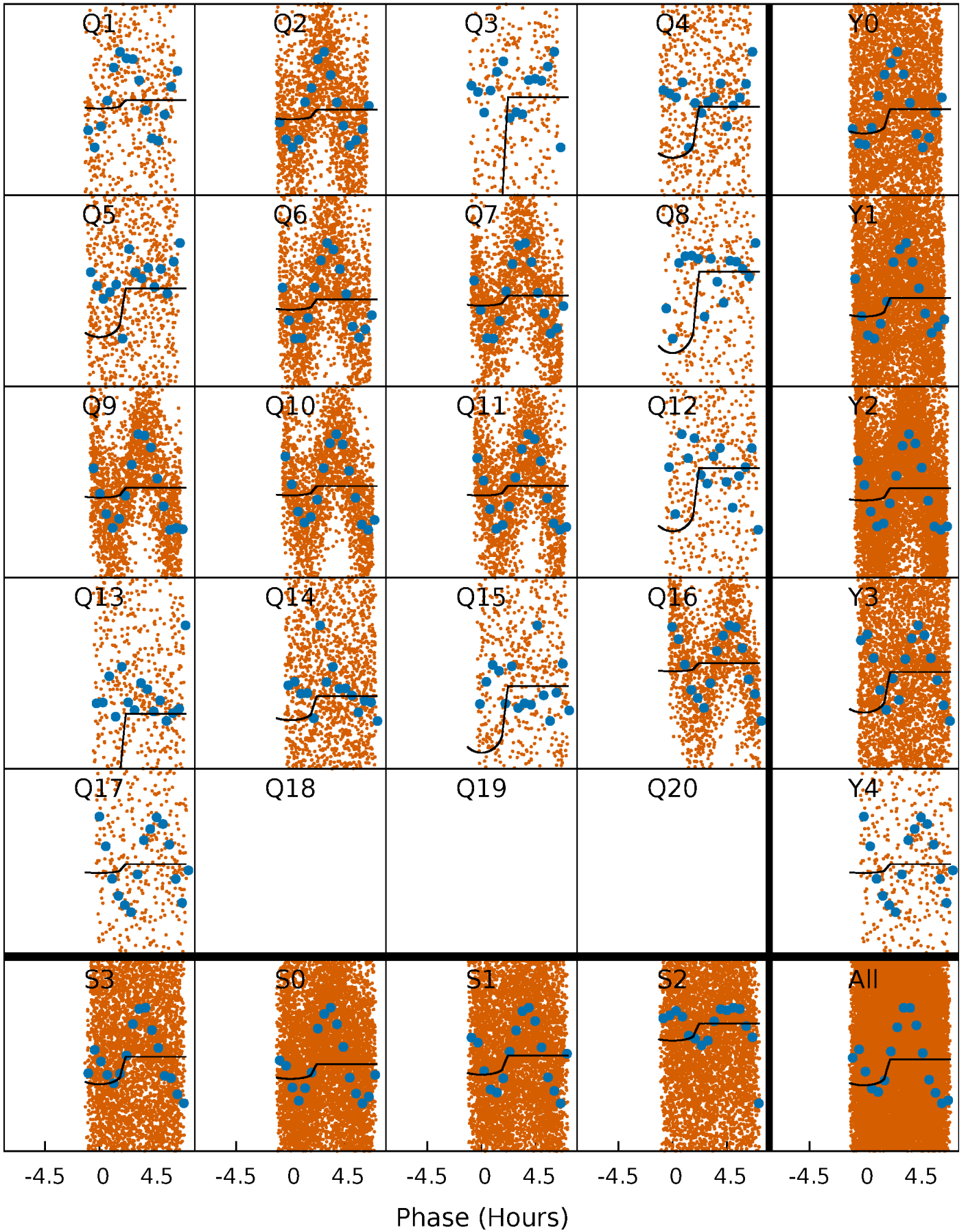
PDC Quarter-Phased Transit Curves

TCE 005564600-02 P= 0.634647 Days $T_0=131.752534$ (BKJD)



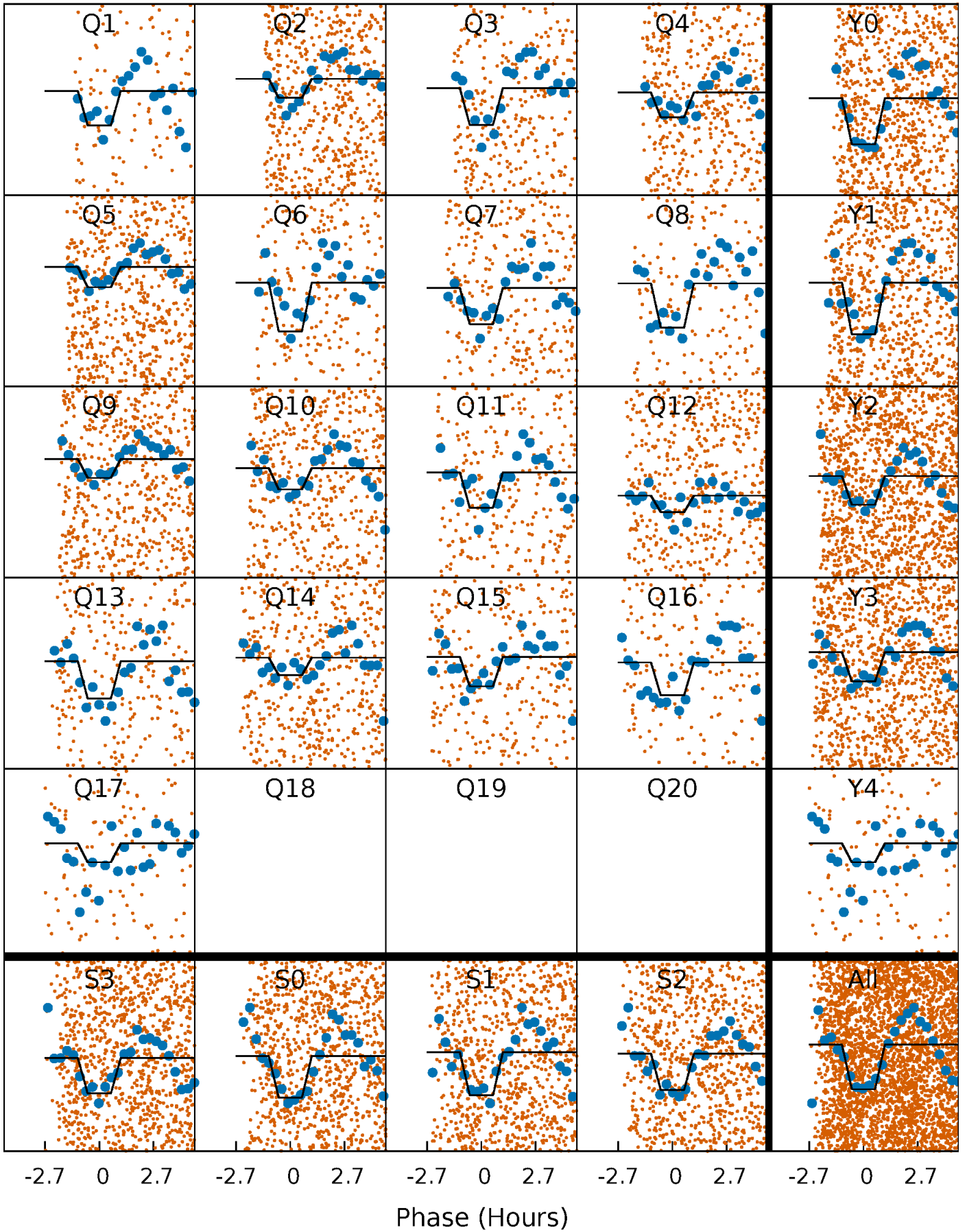
DV Quarter-Phased Transit Curves

TCE 005564600-02 P= 0.634647 Days $T_0=131.752534$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

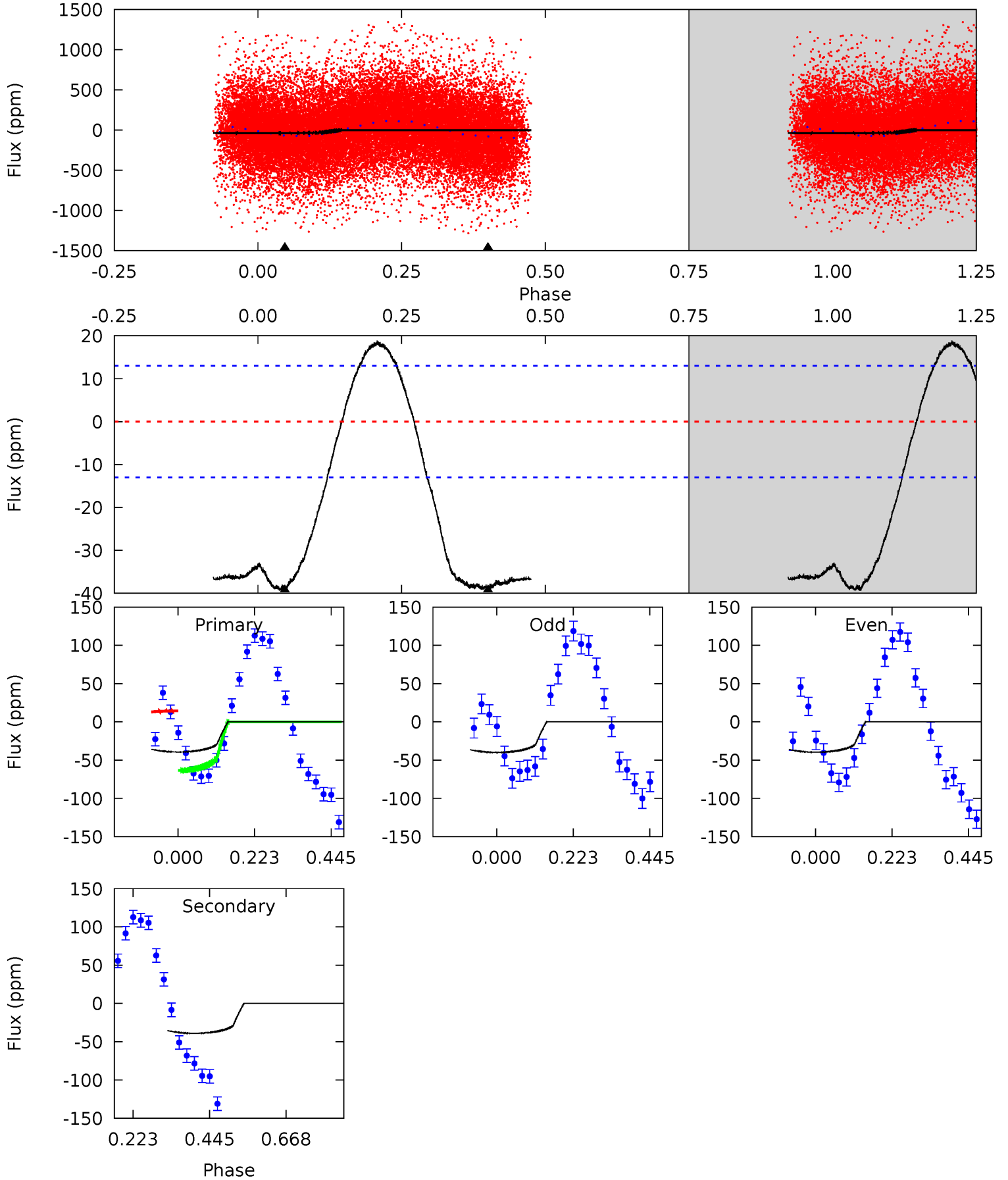
TCE 005564600-02 P= 0.634692 Days $T_0=131.753647$ (BKJD)



DV Model-Shift Uniqueness Test

005564600-02, P = 0.634647 Days, E = 131.117887 Days

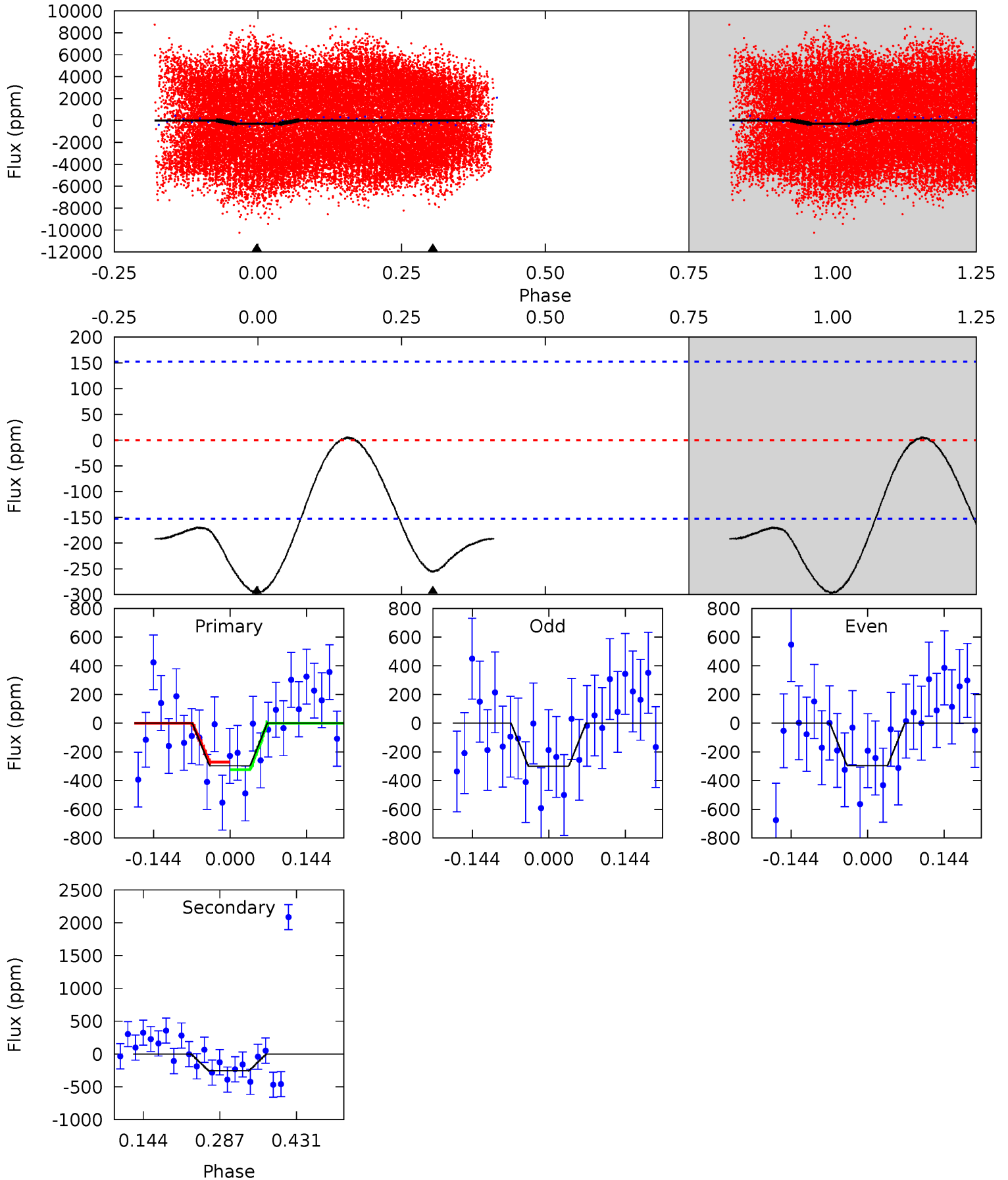
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
13.3	13.2	0	0	4.39	1.22	3.61	13.3	13.3	13.2	13.2	0.06	0.94	0.32	7.60



Alt Model-Shift Uniqueness Test

005564600-02, P = 0.634692 Days, E = 131.118955 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.74	7.52	0	0	4.49	1.46	2.19	8.74	8.74	7.52	7.52	0.06	1.16	0.02	0.73



Stellar Parameters For KIC 005564600

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7042^{+197}_{-296}	$4.238^{+0.105}_{-0.195}$	$-0.120^{+0.250}_{-0.350}$	$1.479^{+0.489}_{-0.226}$	$1.387^{+0.220}_{-0.220}$	$0.604^{+0.298}_{-0.316}$
	+3%/-4%	+2%/-5%	+208%/-292%	+33%/-15%	+16%/-16%	+49%/-52%
Source	PHO1	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 005564600-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-39 ± 3	$1.17^{+0.57}_{-0.57}$	4203^{+312}_{-253}	6420^{+3380}_{-1221}	$3.959^{+10.761}_{-2.162}$
Alt.	-256 ± 34	$2.94^{+0.69}_{-0.71}$	4182^{+308}_{-249}	6471^{+1017}_{-670}	$4.161^{+2.801}_{-1.460}$

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 $A_{obs} \gg 1.0$

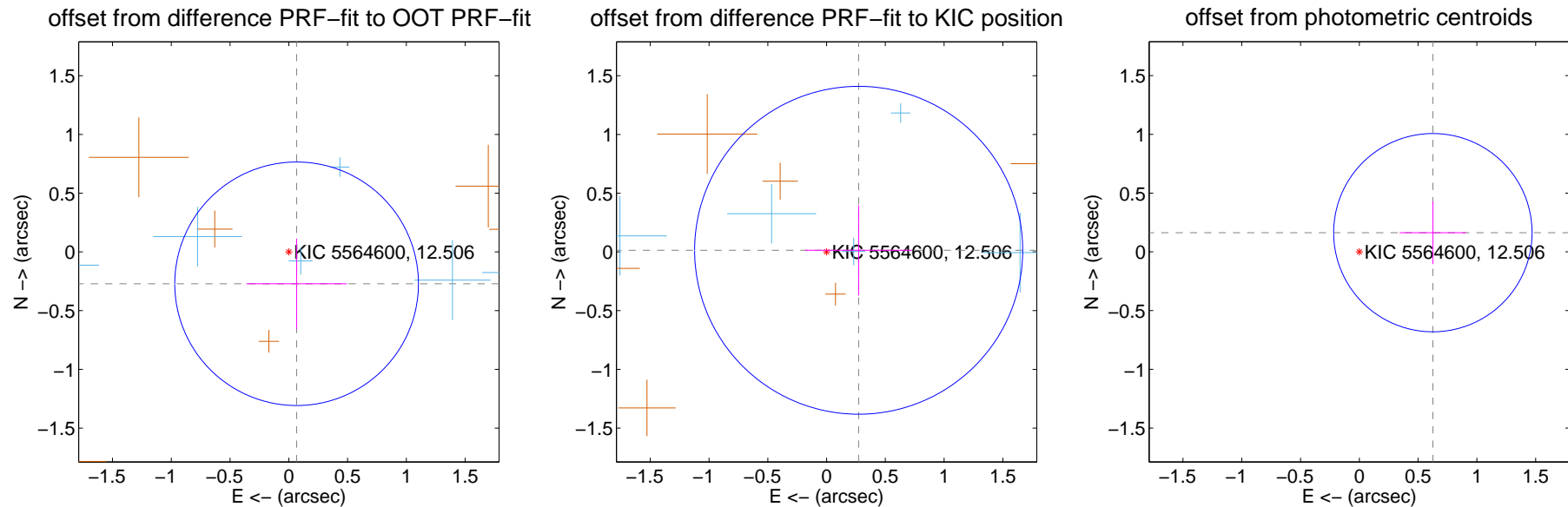
DV Centroid Data

Supplemental centroid analysis for 005564600-02. Kepler magnitude: 12.51. Transit SNR 11.25

There are 6 quarters with good PRF difference image offsets

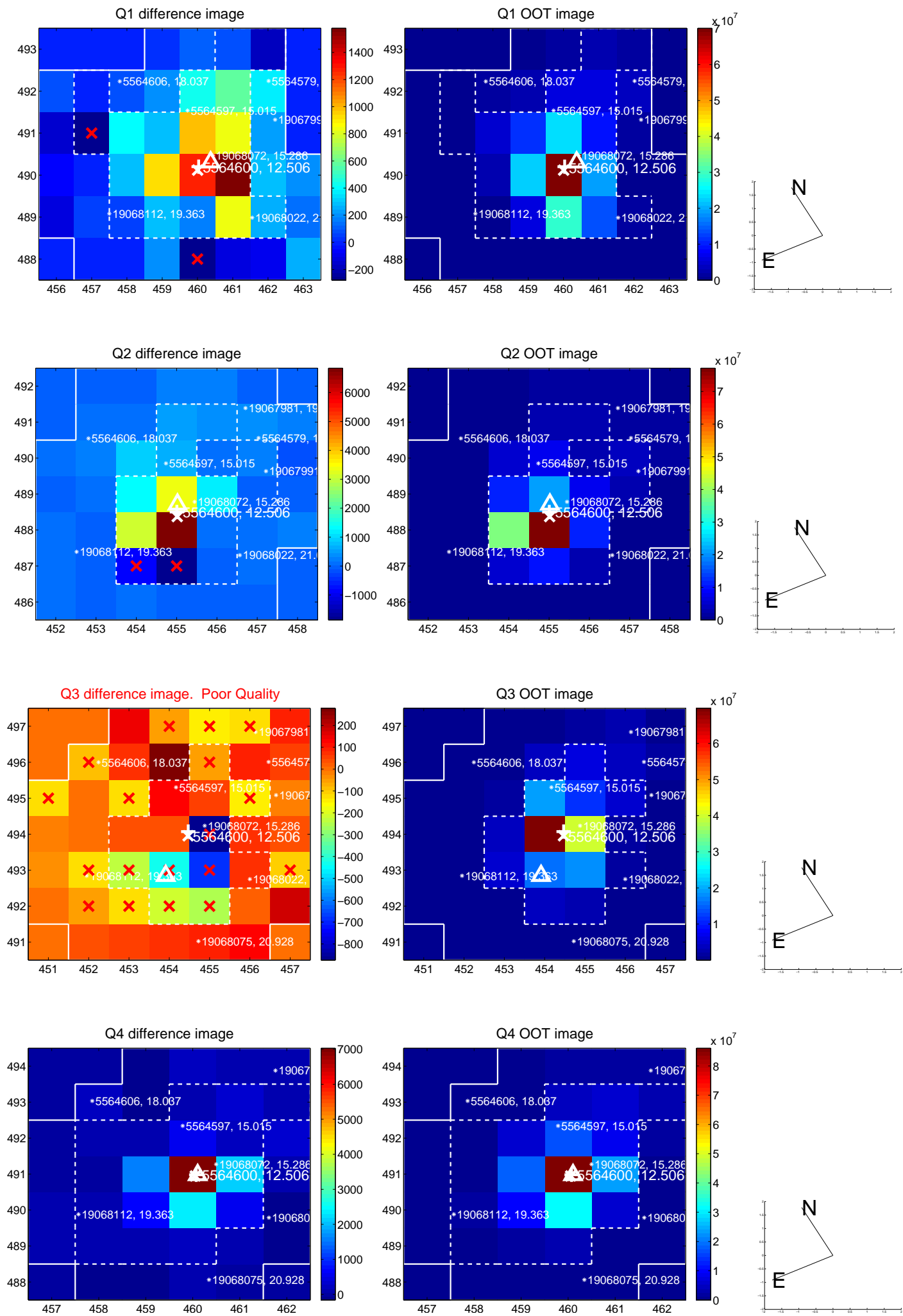
The direct PRF centroid is offset from the target star catalog position by about 0.37 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.279 ± 0.346	0.81	-0.066 ± 0.428	-0.271 ± 0.384
PRF-fit source offset from KIC position	0.273 ± 0.465	0.59	-0.273 ± 0.455	0.014 ± 0.385
photometric centroid source offset	0.65 ± 0.28	2.30	-0.63 ± 0.28	0.16 ± 0.27

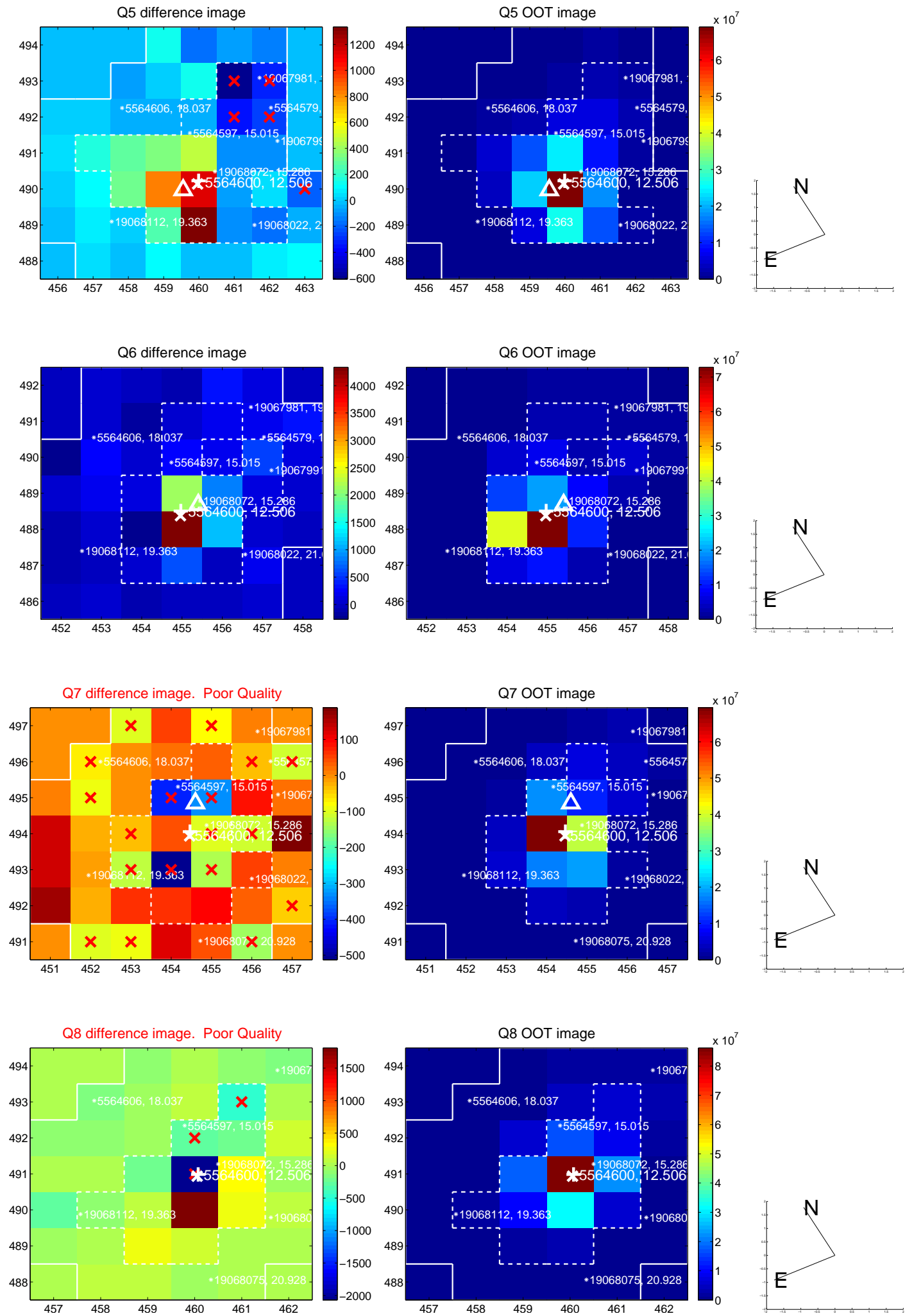


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

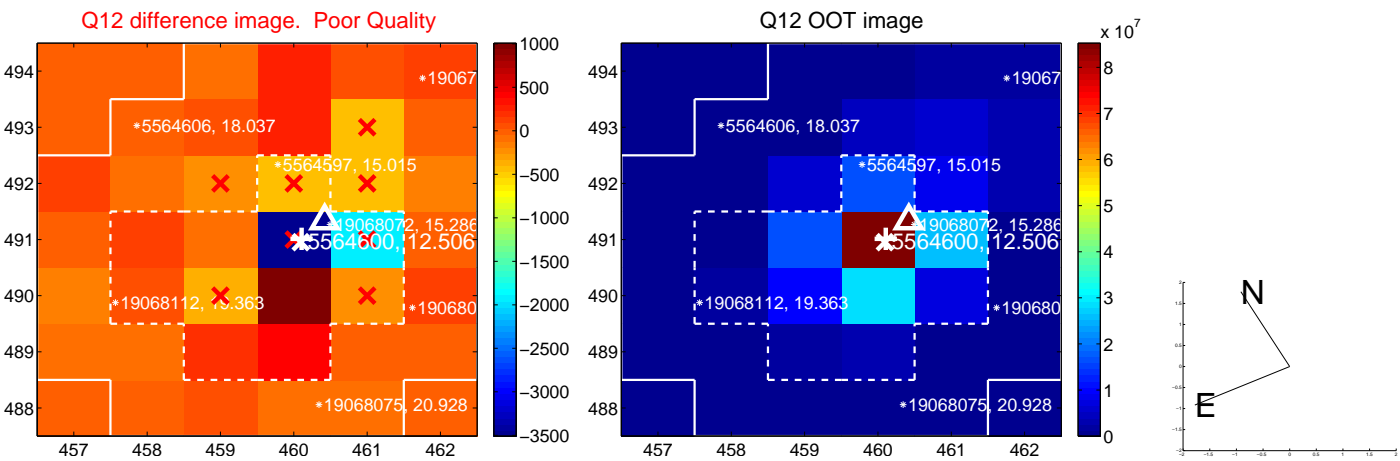
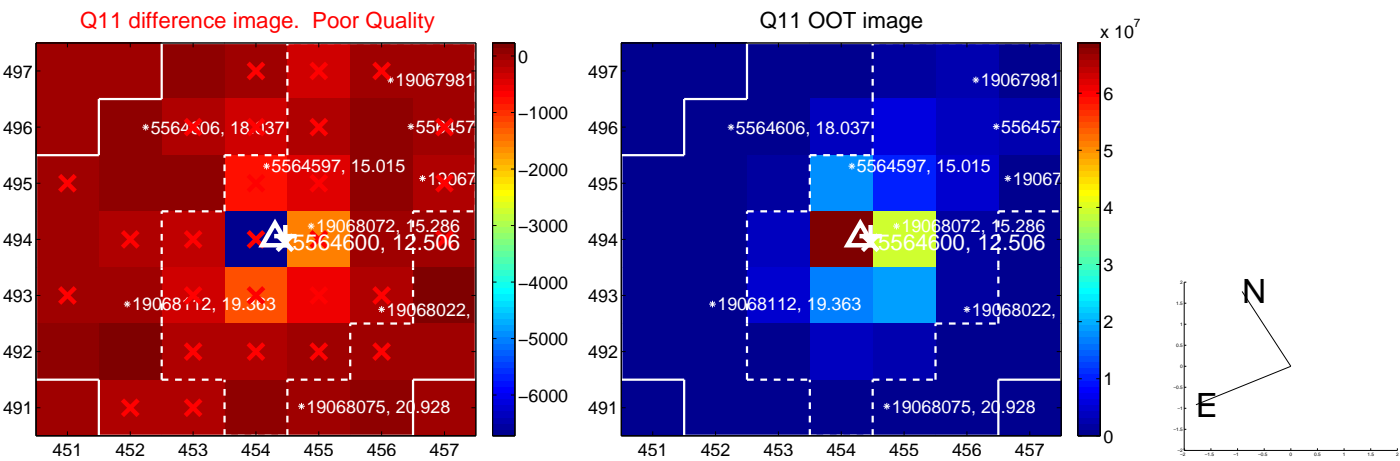
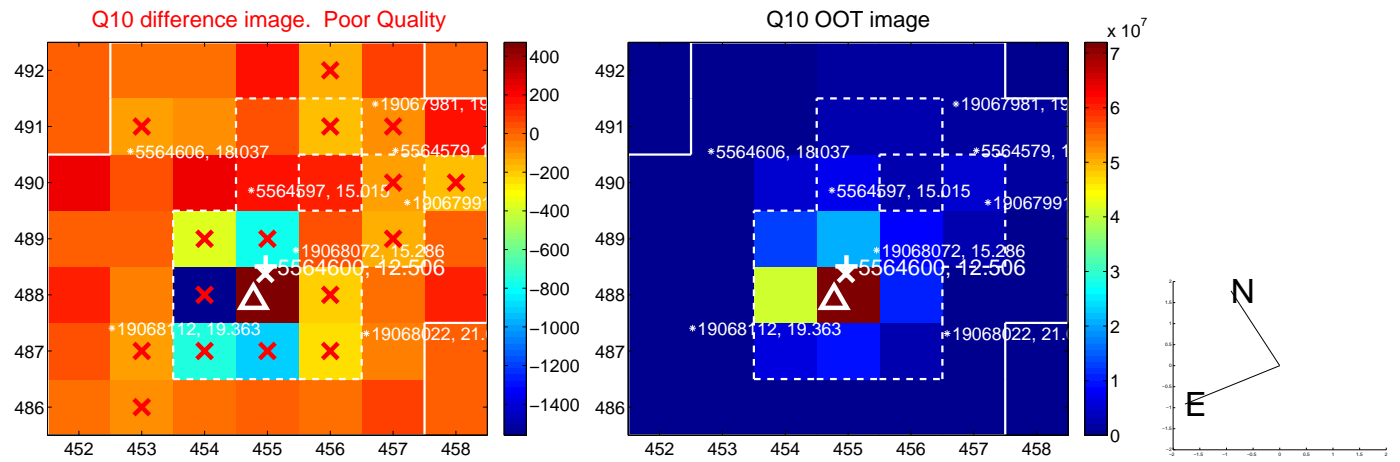
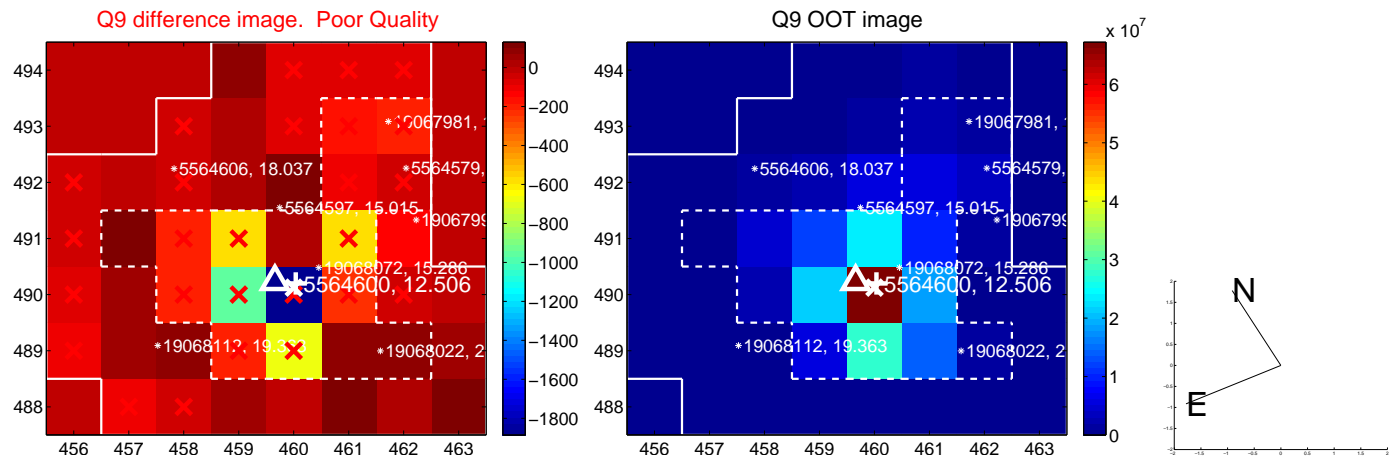
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



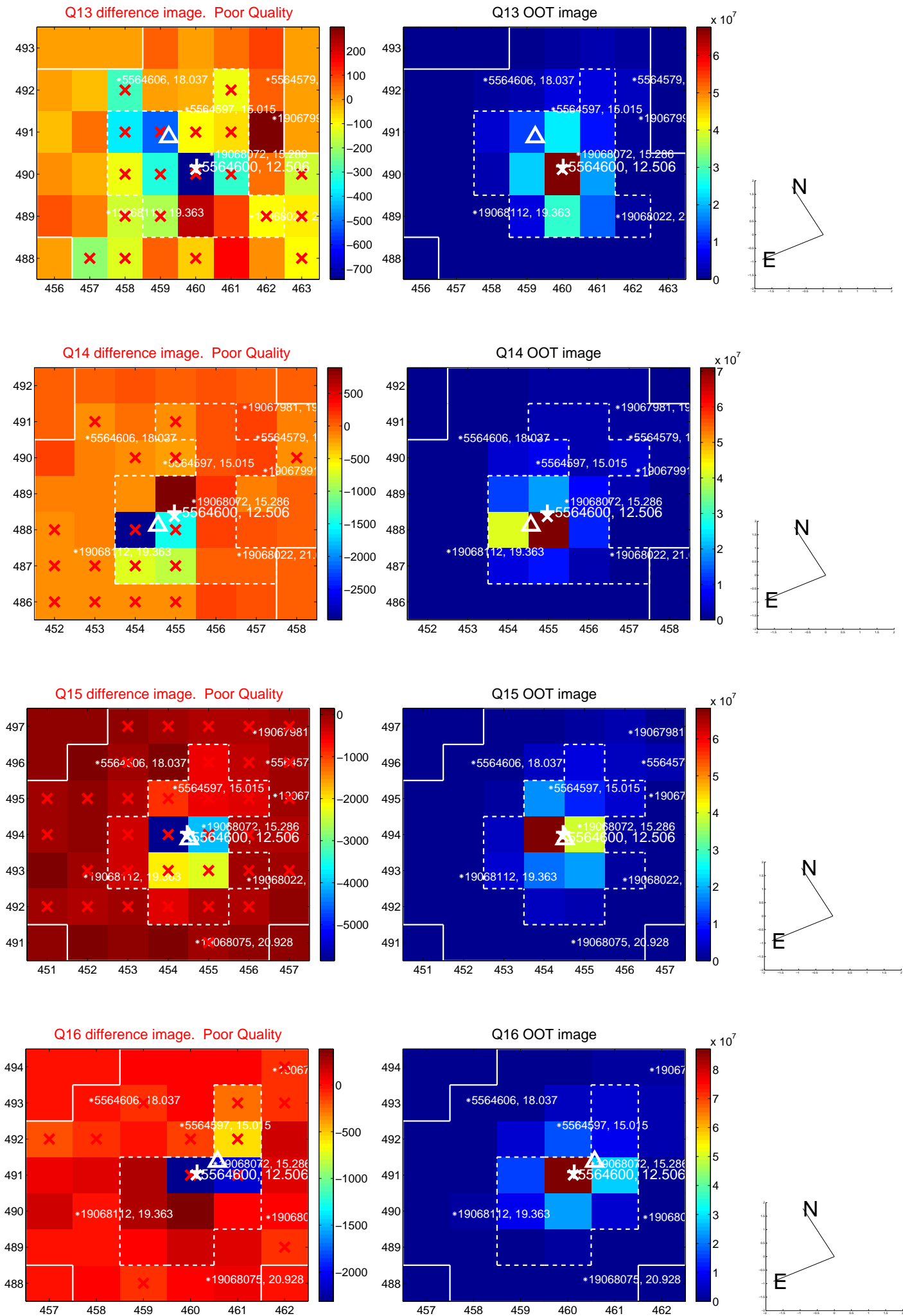
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



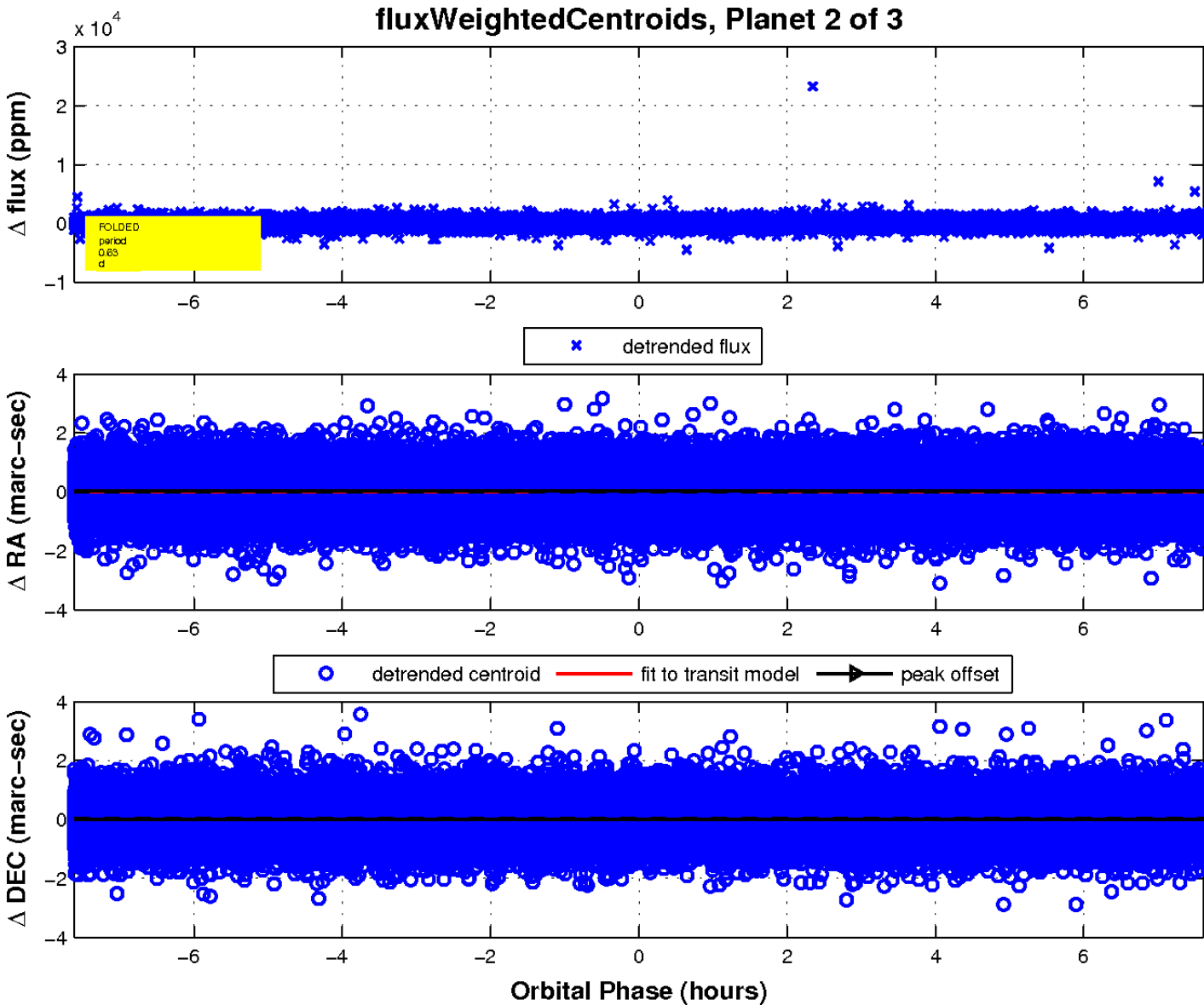
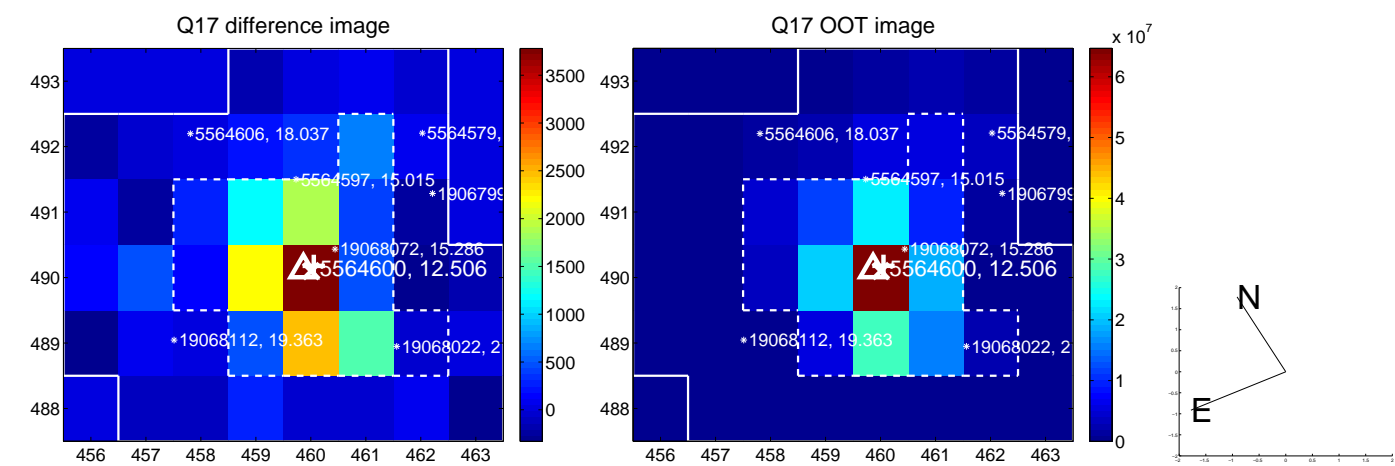
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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

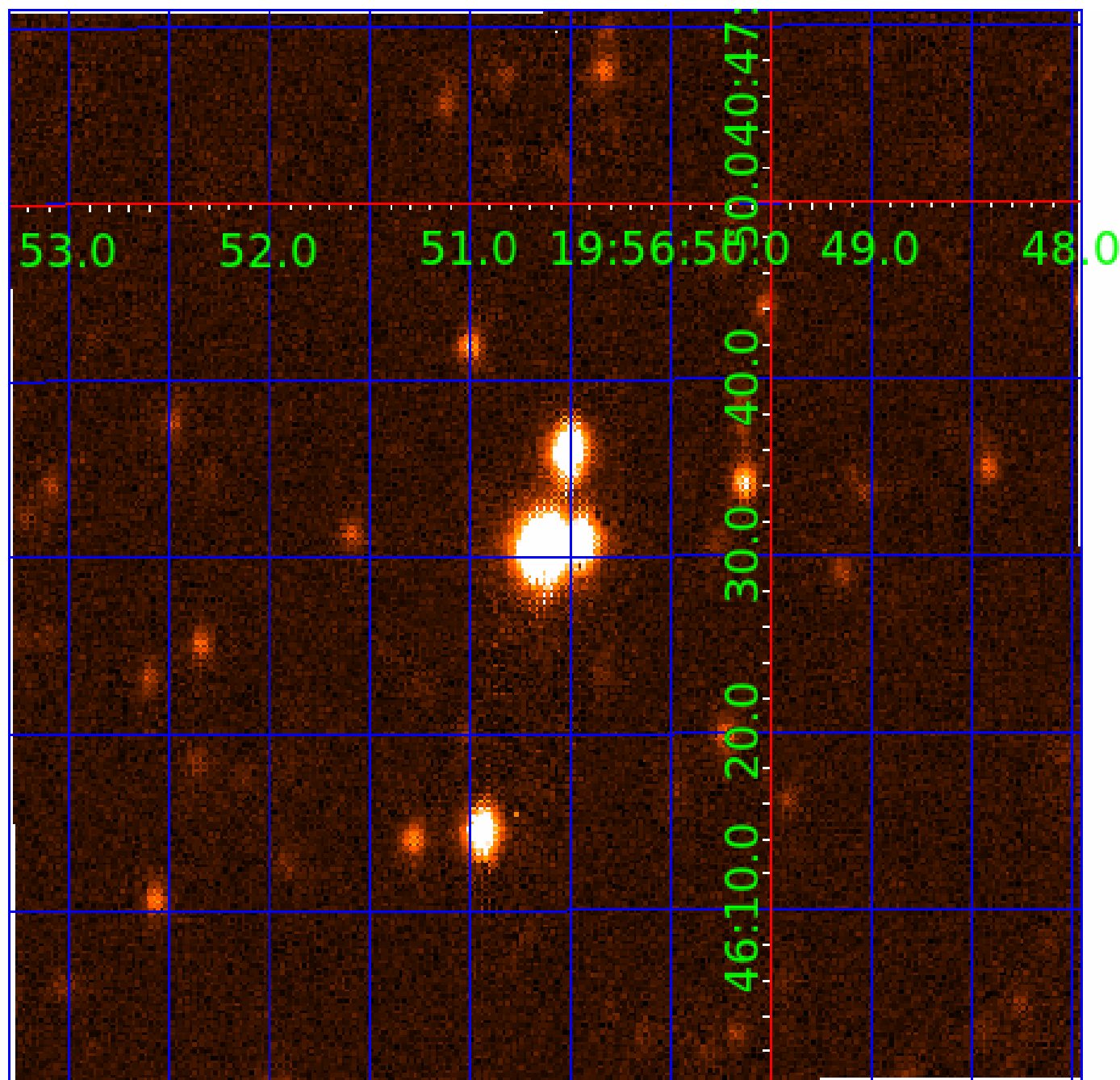


white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



UKIRT Image

Declination



KIC 005564600

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})
005564600-01	OBS	No	0.634664	131.541823	44.4	2.412	13.5	9.9	1.48	7042	1.15	18603.67
005564600-02	OBS	No	0.634647	131.752534	55.2	3.962	16.3	11.3	1.48	7042	1.11	18604.33
005564600-03	OBS	No	0.634681	131.976794	109.6	1.294	18.4	20.5	1.48	7042	1.58	18603.03

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
005564600-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—CENT_KIC_POS
005564600-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA_TRACKER—LPP_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
005564600-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—TRANS_GAPPED—LPP_DV—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.

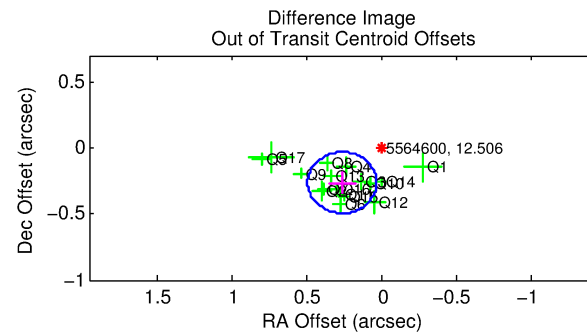
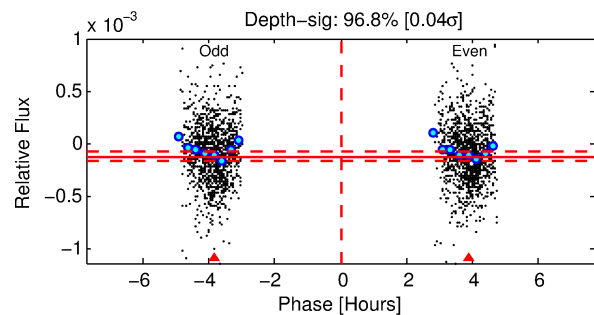
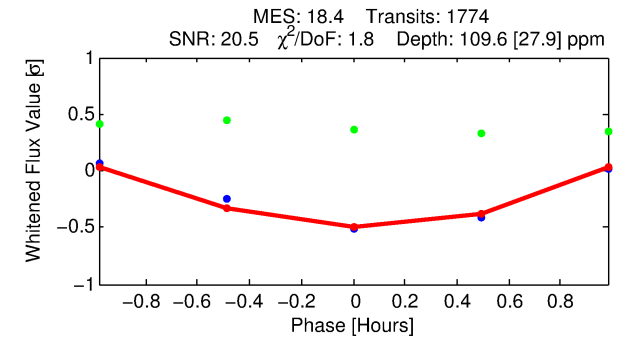
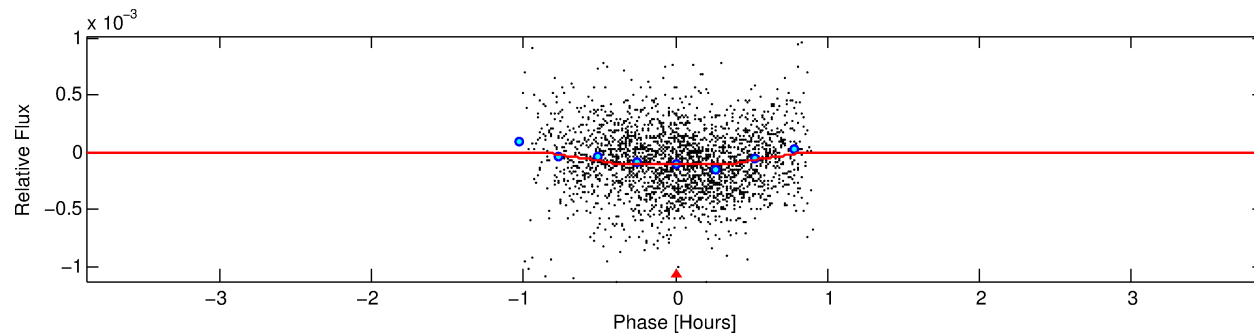
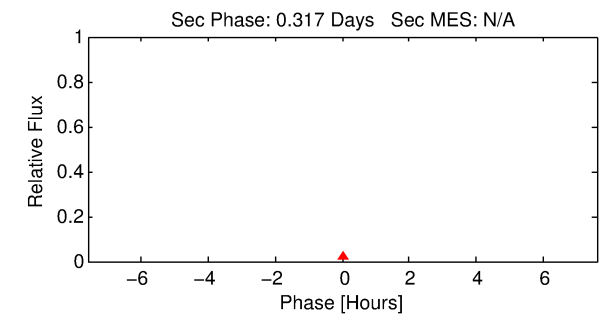
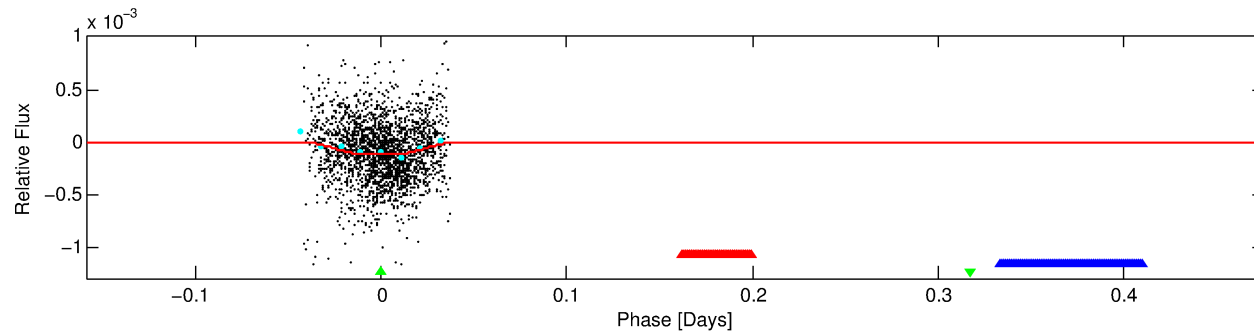
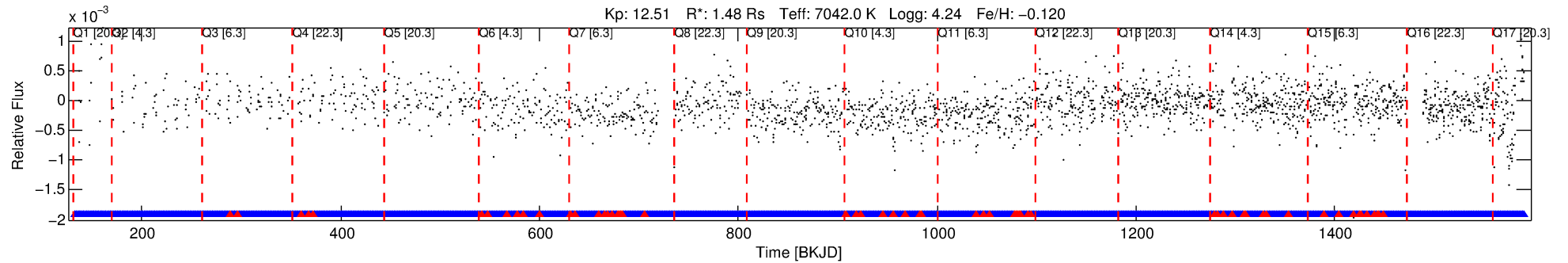
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 005564600-03

No Significant Match Found

DV One-Page Summary

KIC: 5564600 Candidate: 3 of 3 Period: 0.635 d



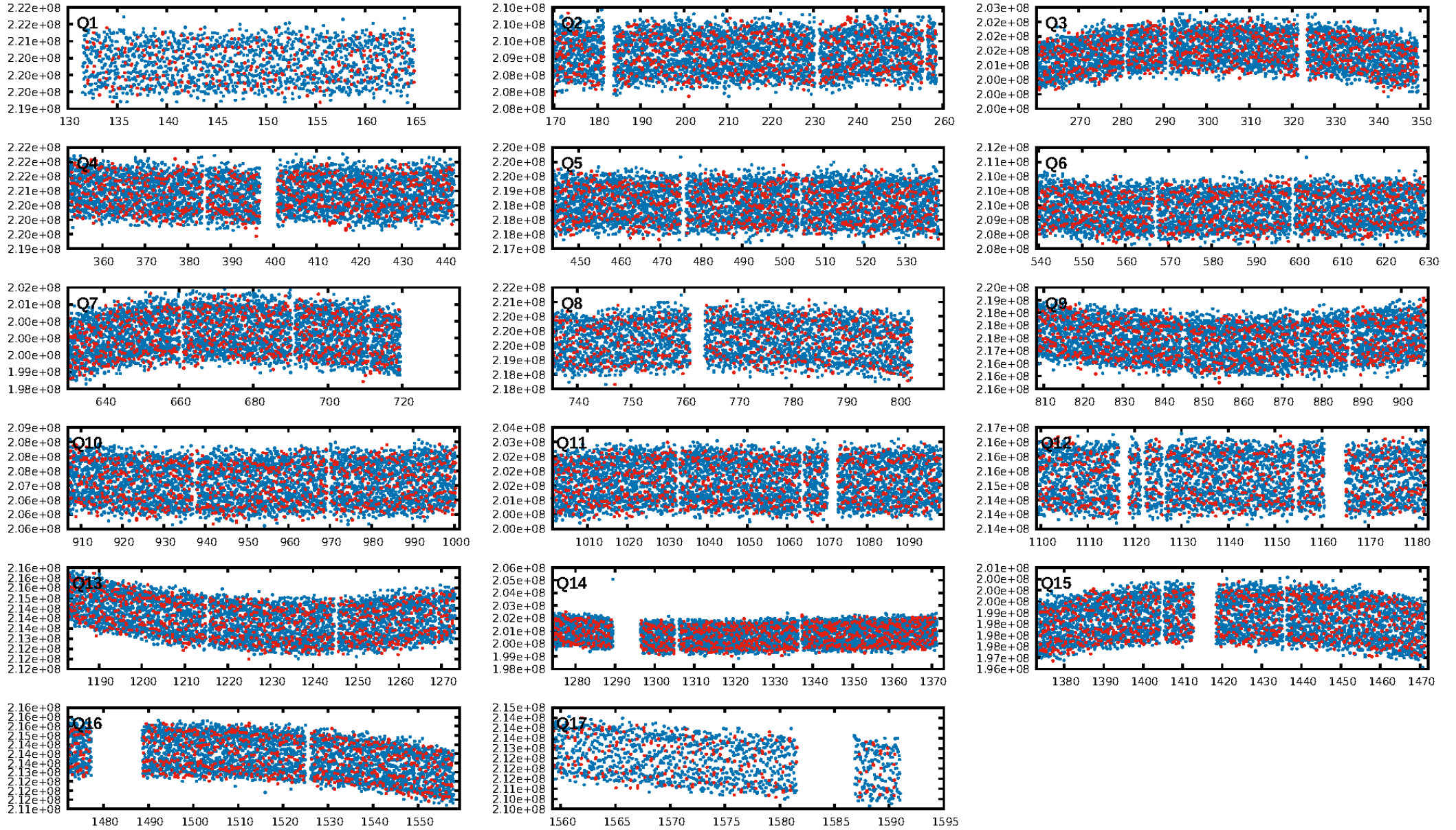
DV Fit Results:

Period = 0.63468 [0.00002] d
Epoch = 131.9768 [0.0018] BKJD
Rp/R* = 0.0098 [0.0087]
a/R* = 3.76 [17.54]
b = 0.20 [24.21]
Seff = 18603.03 [7589.85]
Teq = 2978 [304] K
Rp = 1.58 [1.50] Re
a = 0.0161 [0.0043] AU

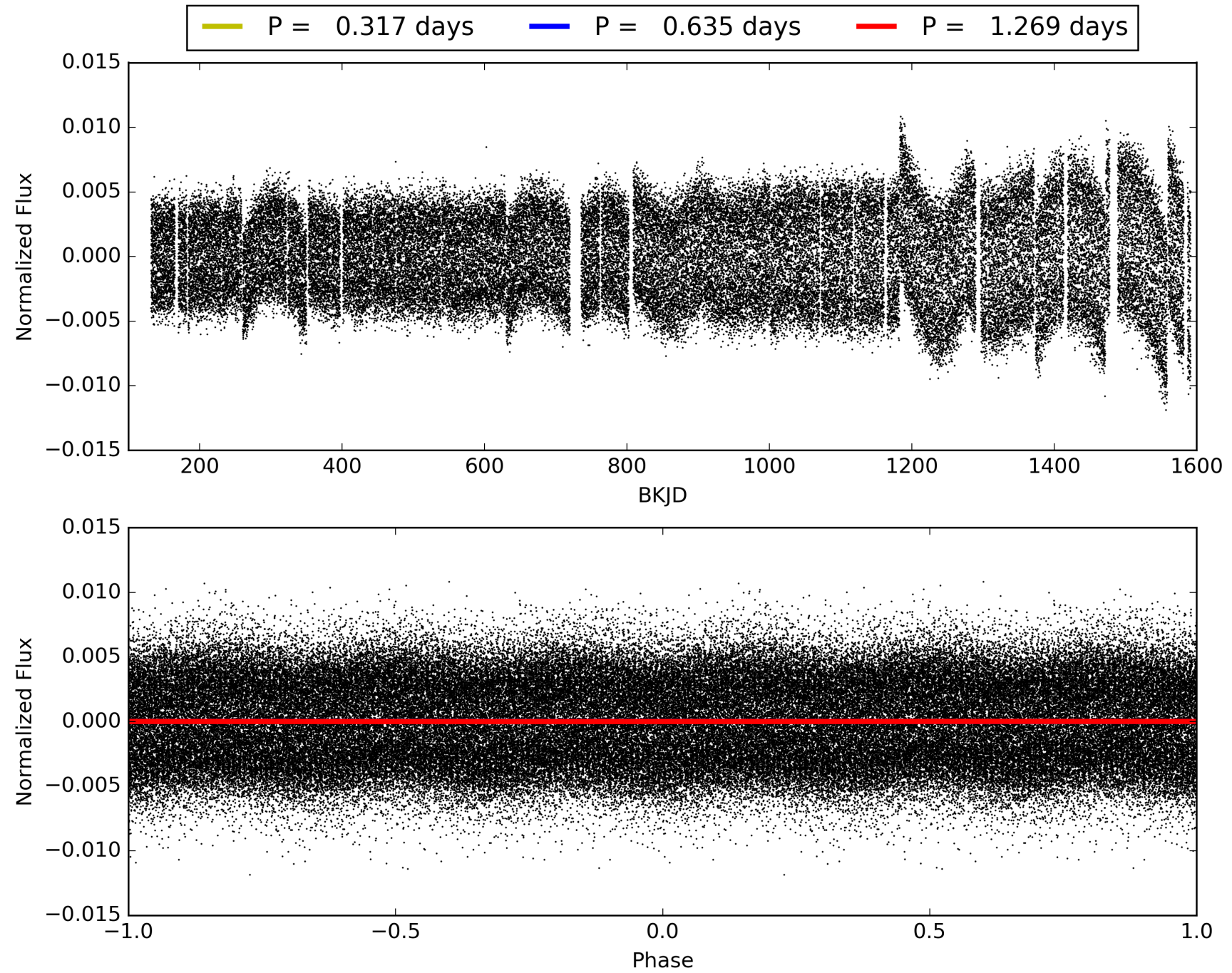
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: N/A
RollingBand-fgt: 0.96 [1658/1719]
GhostDiagnostic-chr: 45.12
Centroid-sig: 0.0%
Centroid-so: 0.589 arcsec [2.49σ]
OOTOffset-rm: 0.369 arcsec [4.79σ]
KicOffset-rm: 0.074 arcsec [0.95σ]
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]

TCE 005564600-03, PDC Light Curves

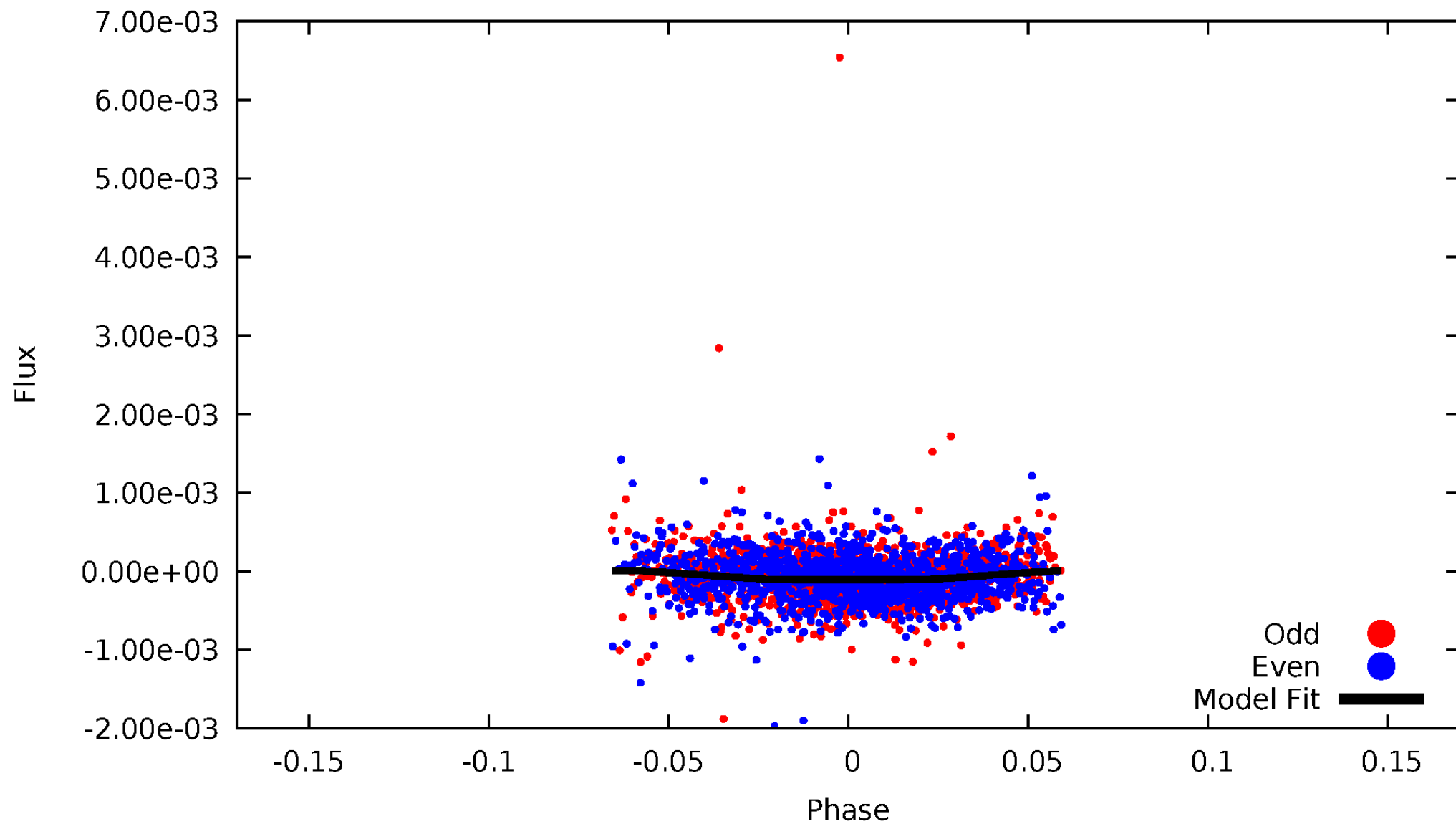


TCE 005564600-03



DV Odd/Even

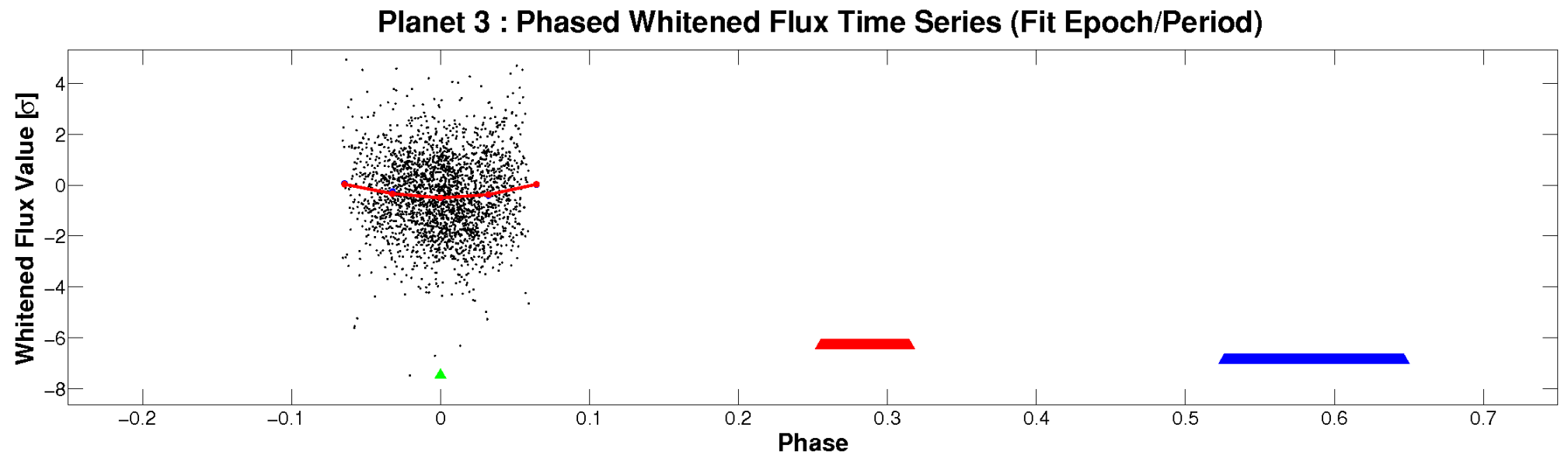
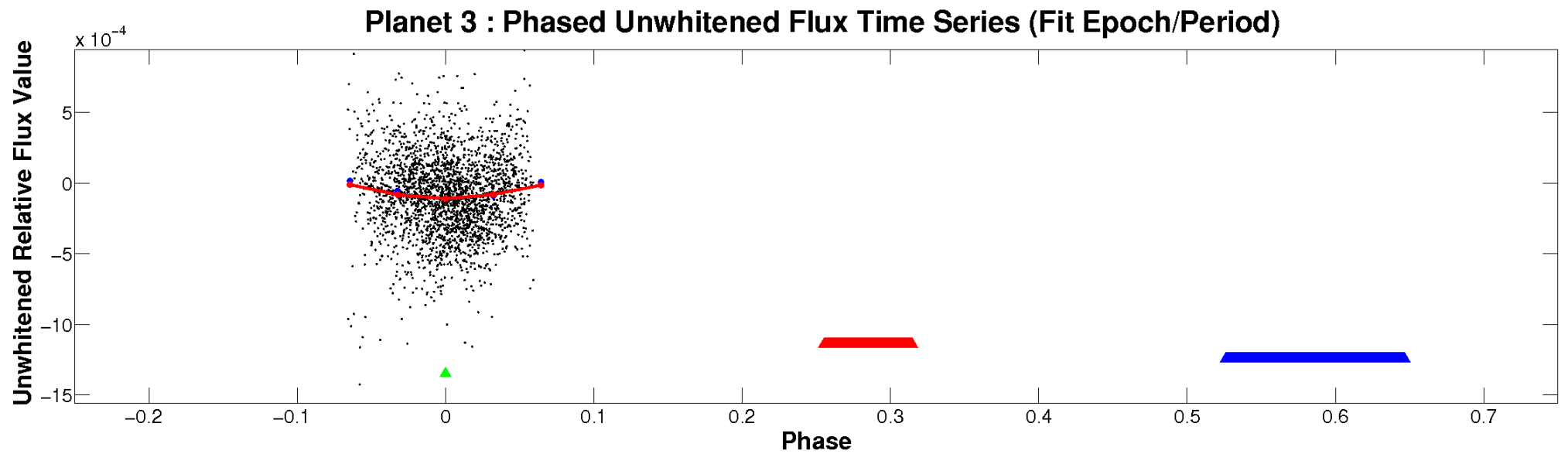
TCE 005564600-03



ALT Odd/Even

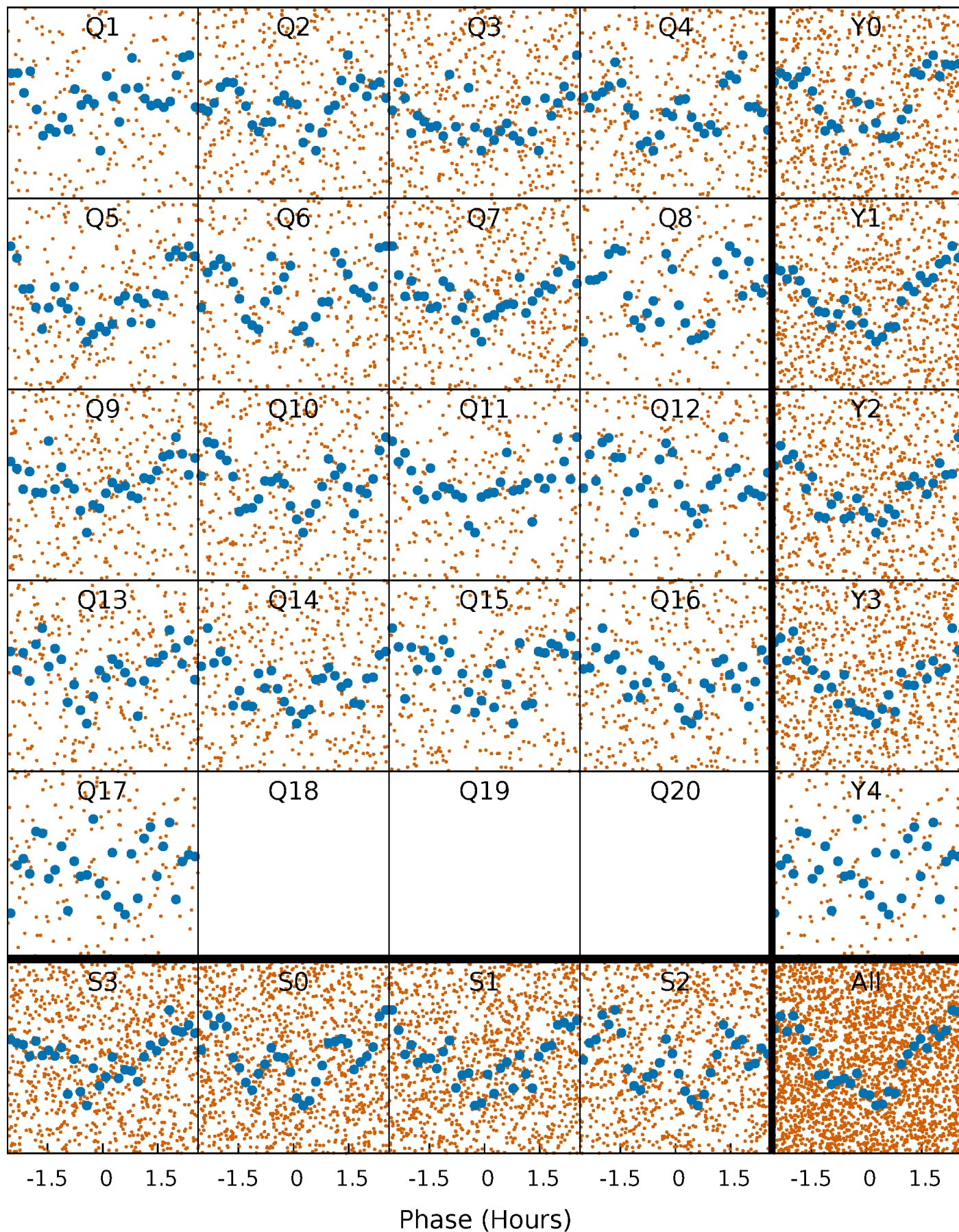
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve



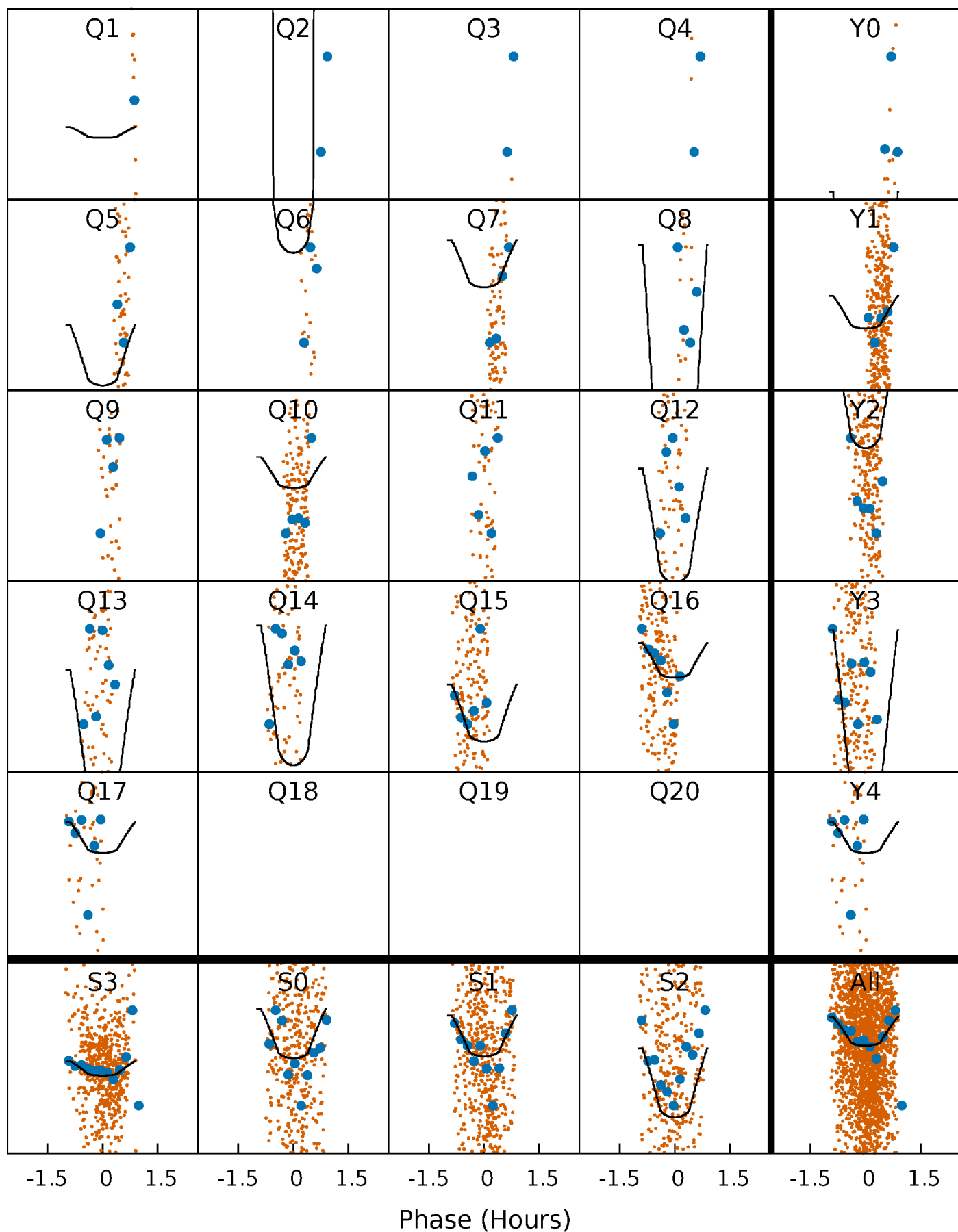
PDC Quarter-Phased Transit Curves

TCE 005564600-03 $P = 0.634681$ Days $T_0 = 131.976794$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 005564600-03 $P = 0.634681$ Days $T_0 = 131.976794$ (BKJD)

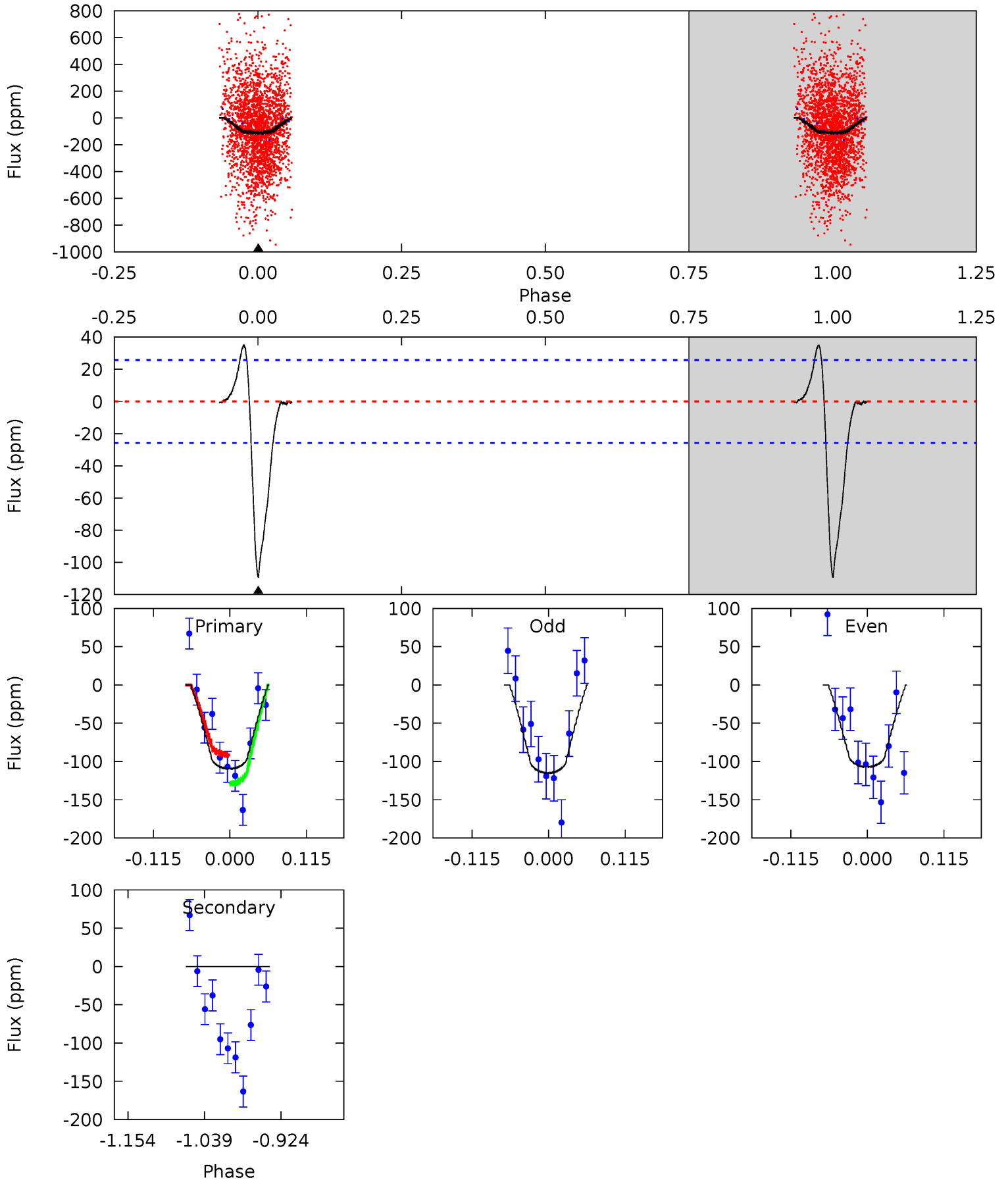


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

005564600-03, P = 0.634681 Days, E = 131.976794 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.3	0	0	0	4.53	1.57	0.40	19.3	19.3	0	0	0.69	0.89	0.24	3.53



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 005564600

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7042^{+197}_{-296}	$4.238^{+0.105}_{-0.195}$	$-0.120^{+0.250}_{-0.350}$	$1.479^{+0.489}_{-0.226}$	$1.387^{+0.220}_{-0.220}$	$0.604^{+0.298}_{-0.316}$
	+3%/-4%	+2%/-5%	+208%/-292%	+33%/-15%	+16%/-16%	+49%/-52%
Source	PHO1	KIC0	KIC0	DSEP		

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

Secondary Eclipse Parameters for KIC 005564600-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	0 ± 6	$1.77^{+1.43}_{-1.08}$	4194^{+306}_{-249}	-3793^{+7300}_{-575}	$0.006^{+0.486}_{-0.317}$
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 $A_{\text{obs}} \gg 1.0$

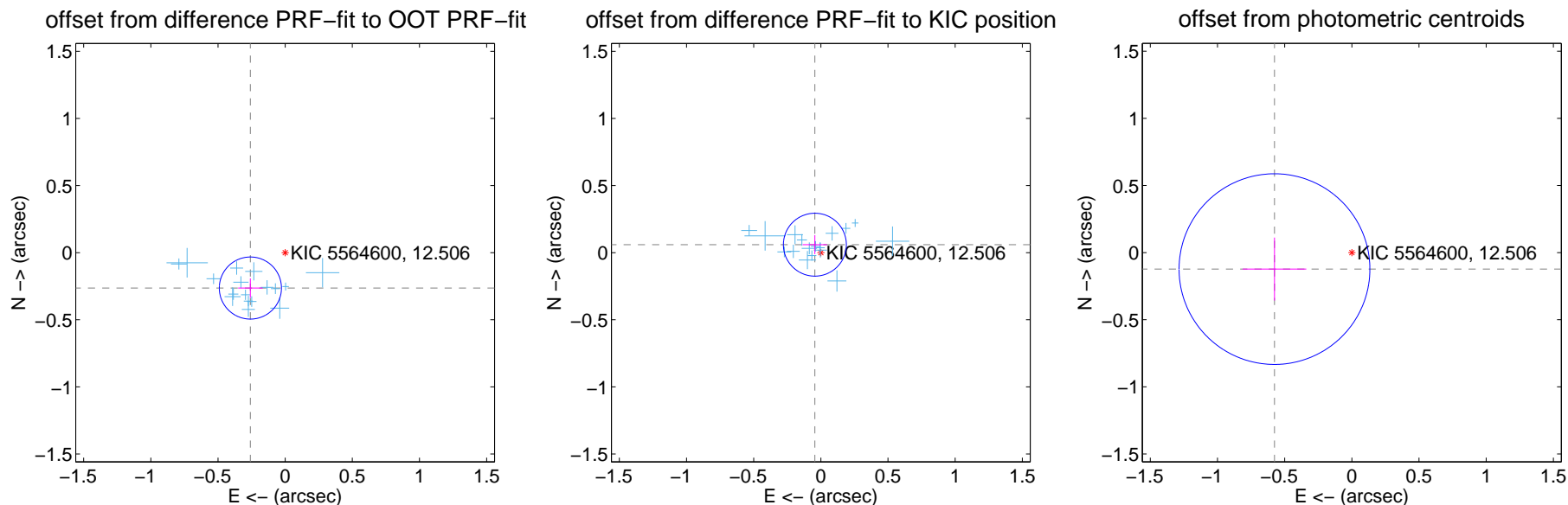
DV Centroid Data

Supplemental centroid analysis for 005564600-03. Kepler magnitude: 12.51. Transit SNR 20.46

There are 17 quarters with good PRF difference image offsets

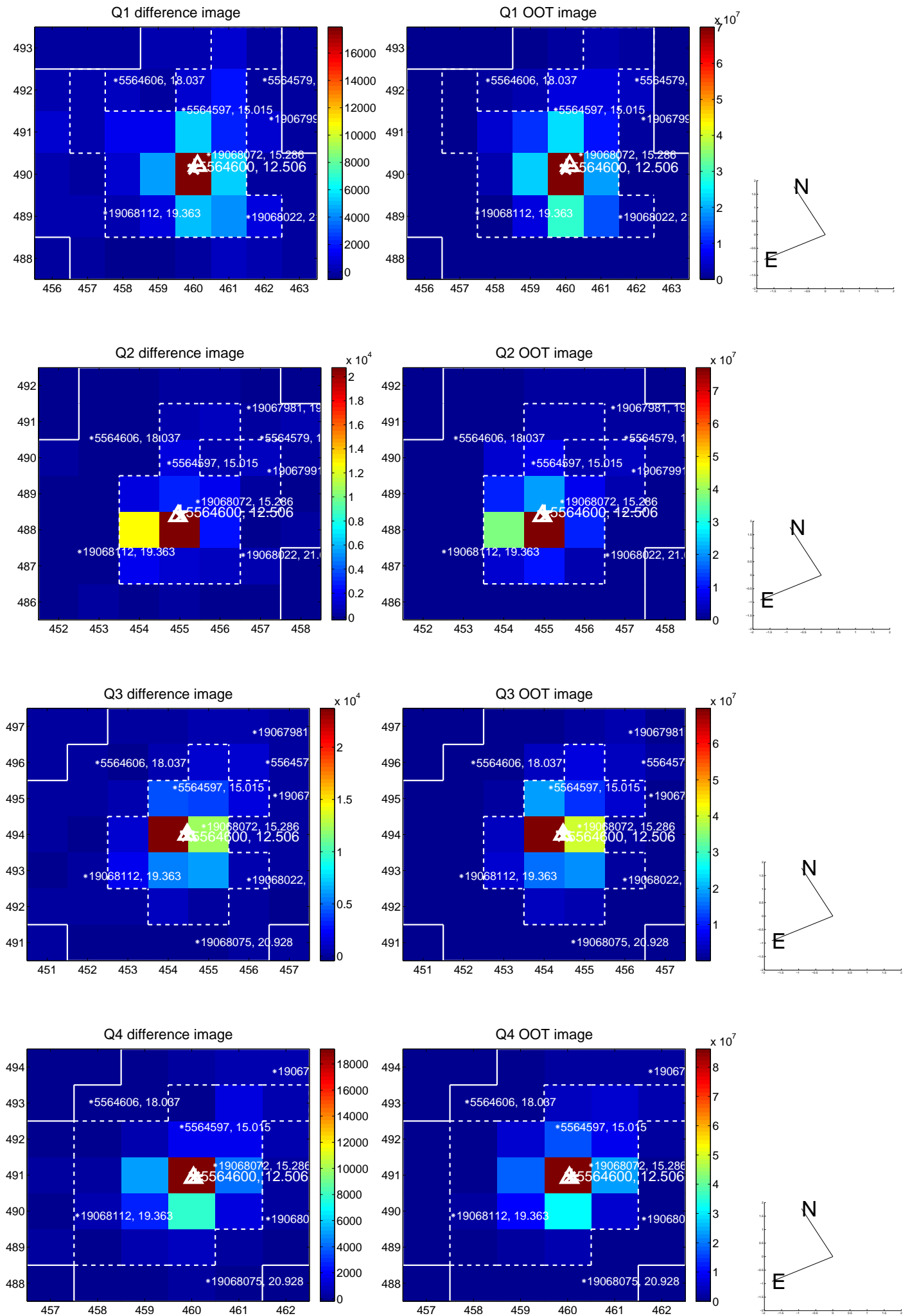
The direct PRF centroid is offset from the target star catalog position by about 0.37 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.369 ± 0.077	4.79	0.259 ± 0.091	-0.264 ± 0.072
PRF-fit source offset from KIC position	0.074 ± 0.078	0.95	0.045 ± 0.091	0.059 ± 0.071
photometric centroid source offset	0.59 ± 0.24	2.49	0.58 ± 0.24	-0.12 ± 0.23

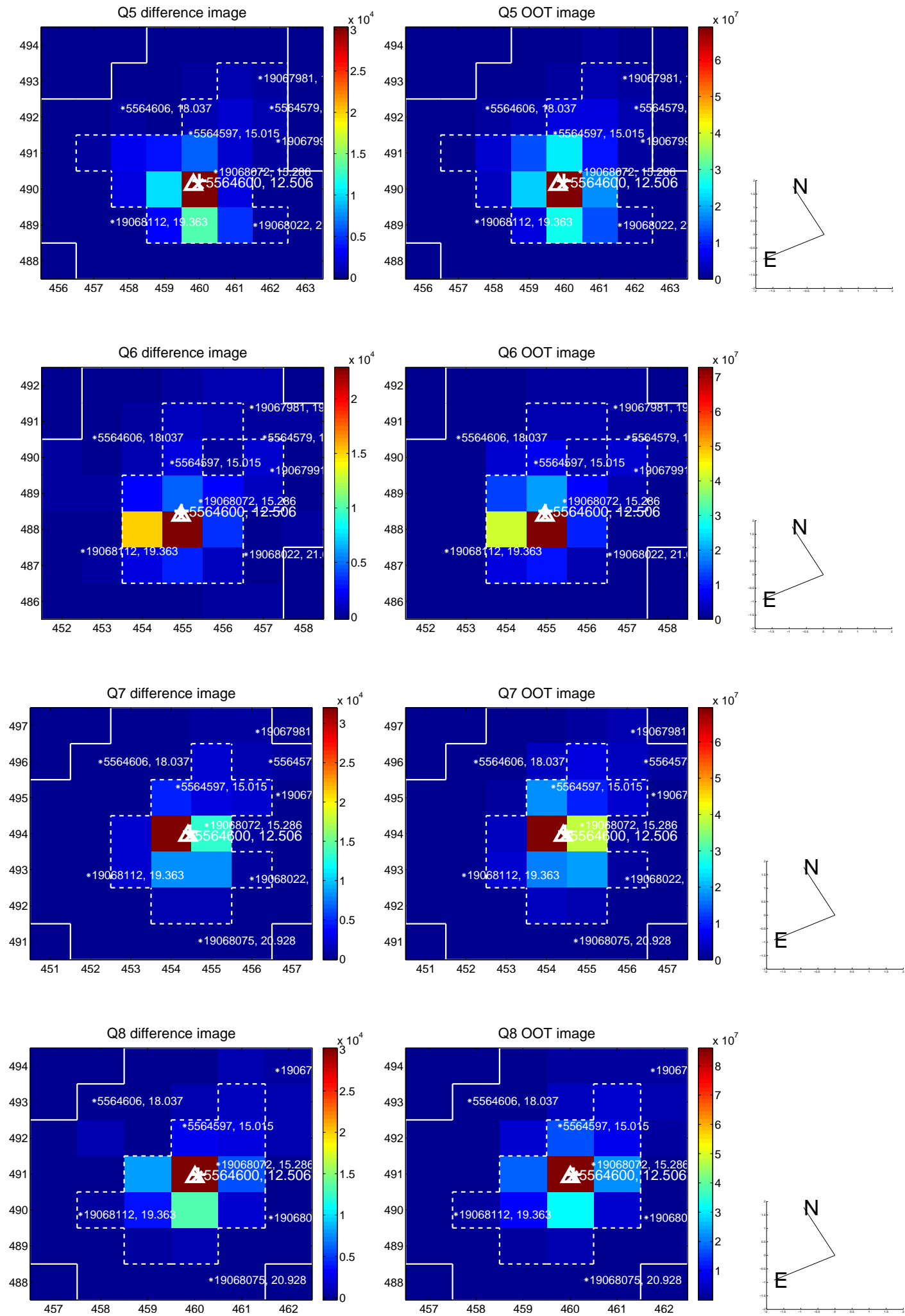


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets**; **Vermillion crosses: bad quarterly centroid offsets**; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

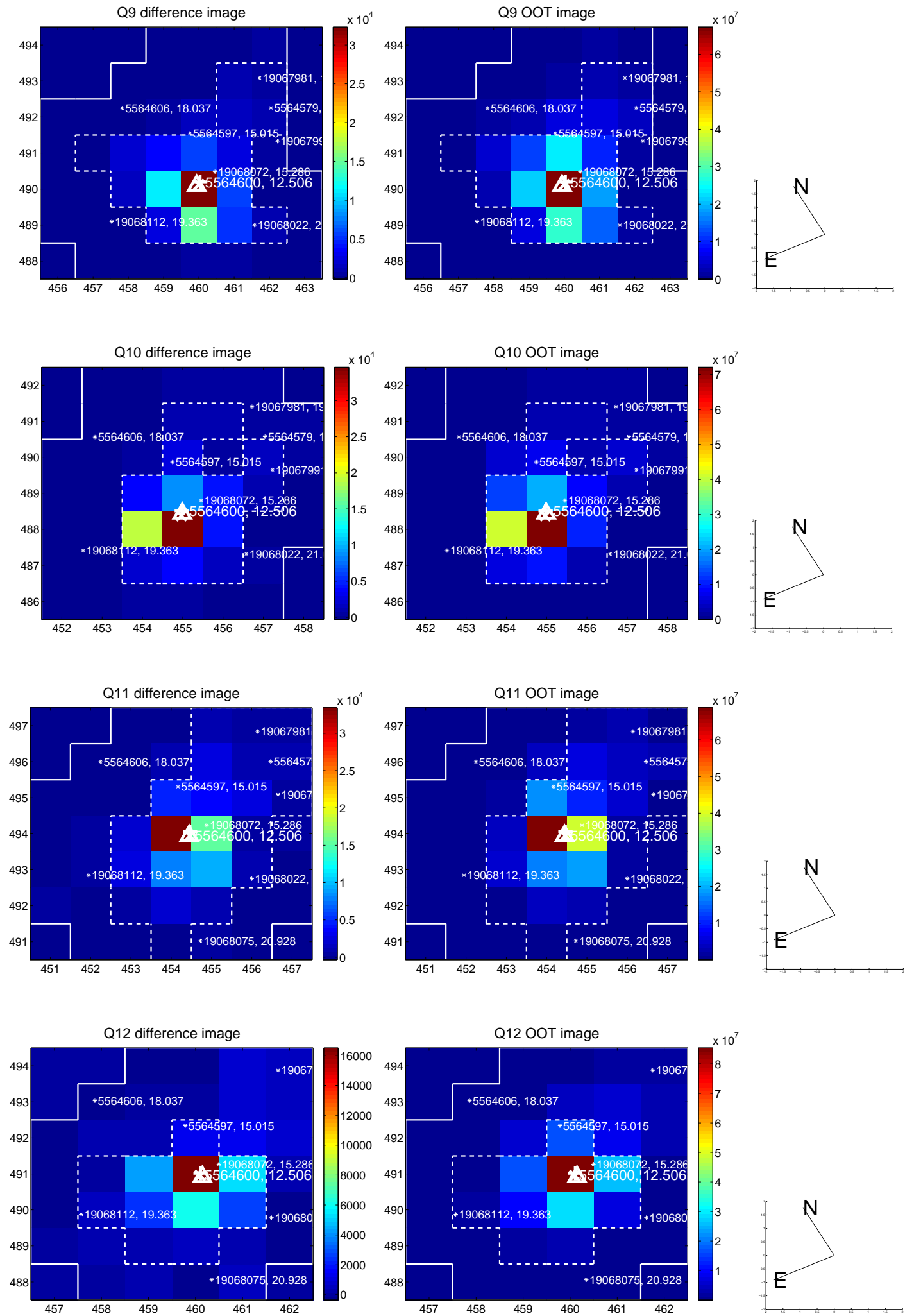
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



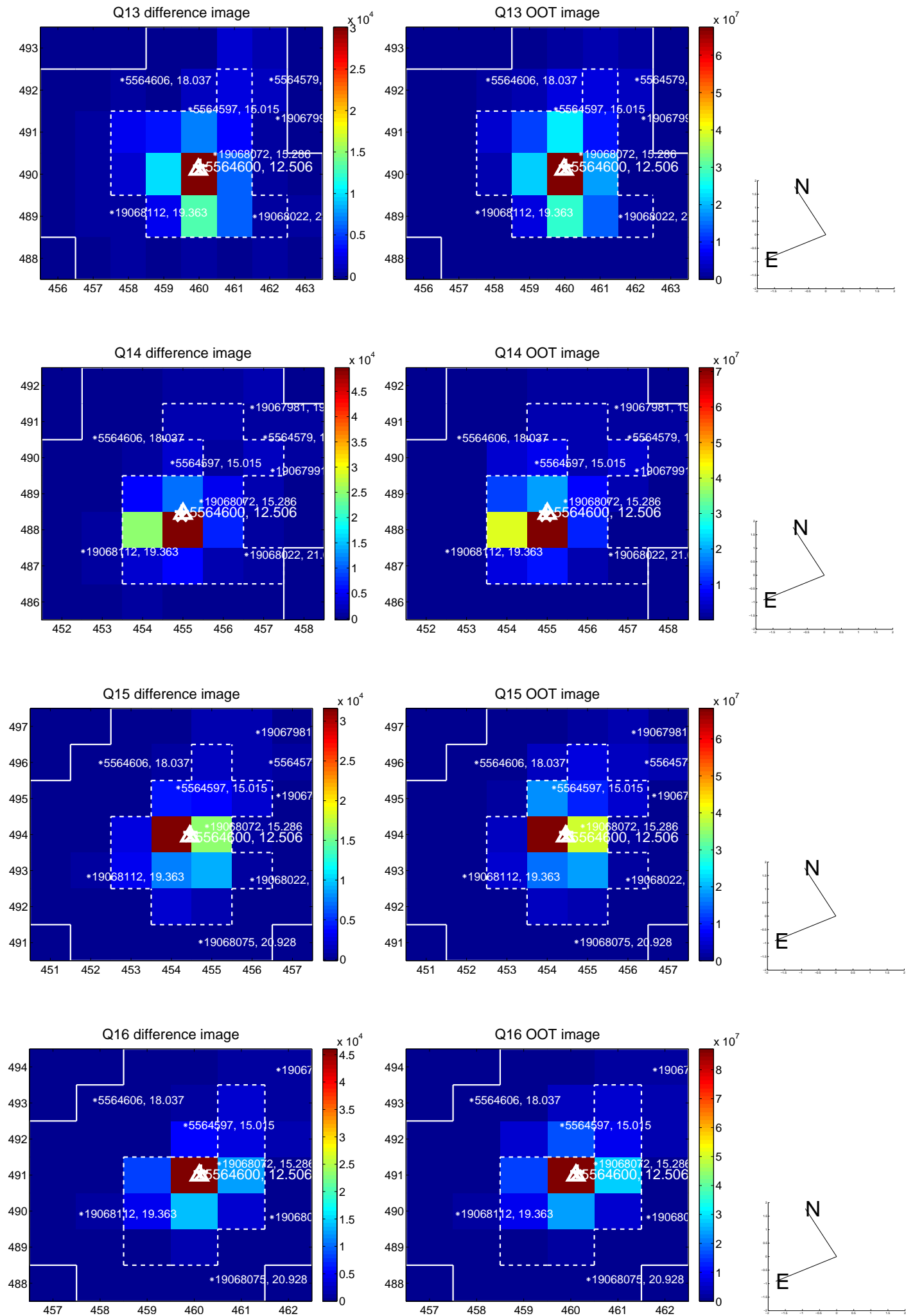
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



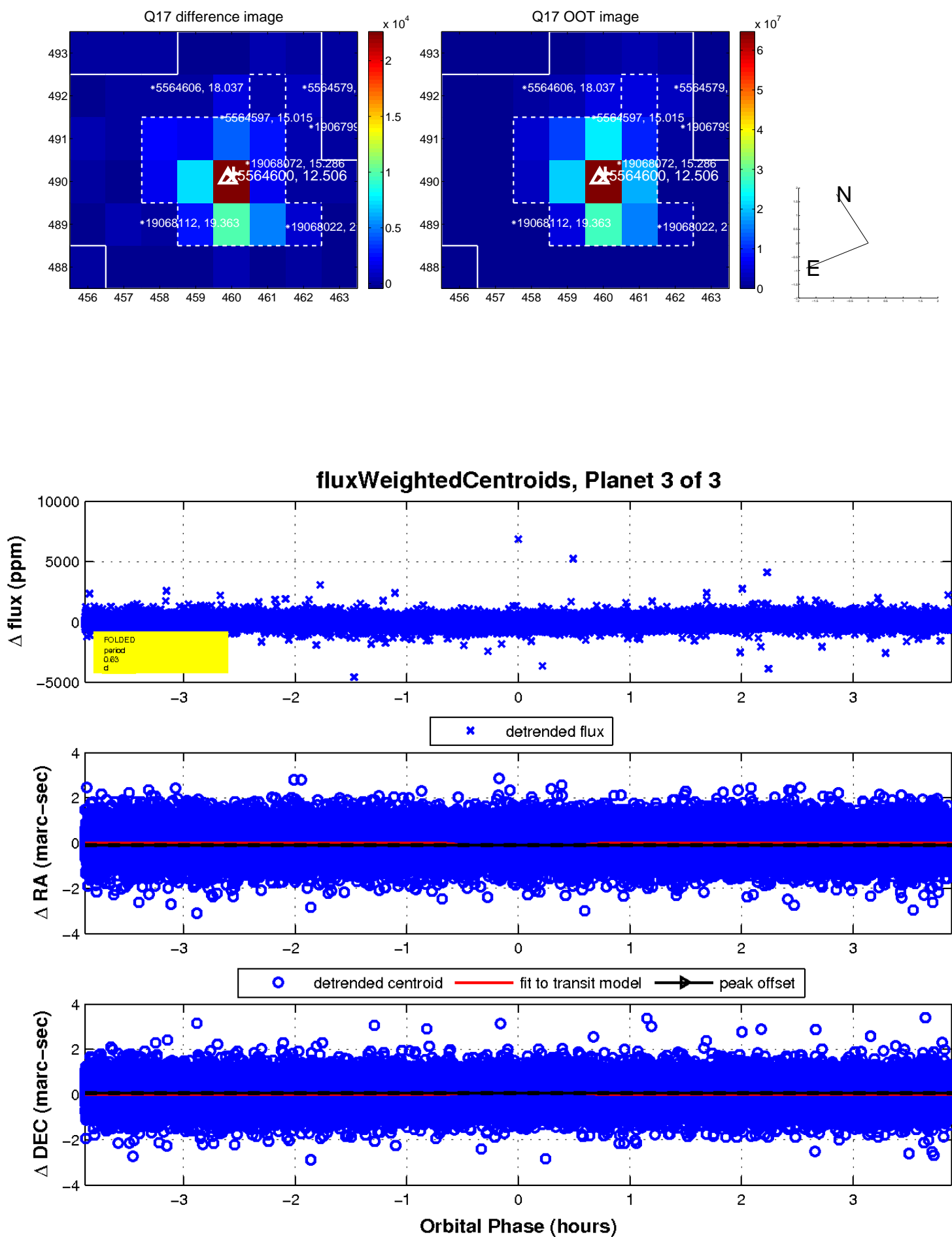
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image

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