

KIC 011260307

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})
011260307-01	OBS	No	0.684835	131.989925	66.8	2.816	14.4	16.6	1.99	7377	1.89	34412.96
011260307-02	OBS	No	0.684868	131.767432	60.3	4.246	14.0	13.8	1.99	7377	1.58	34410.74
011260307-03	OBS	No	4.317965	133.517470	307.8	1.414	10.3	10.0	1.99	7377	3.57	2954.37
011260307-04	OBS	No	4.560095	131.841772	223.2	1.493	9.9	7.8	1.99	7377	3.80	2747.08
011260307-05	OBS	No	4.915101	134.916809	310.3	1.328	9.8	8.2	1.99	7377	3.59	2485.76
011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011260307-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

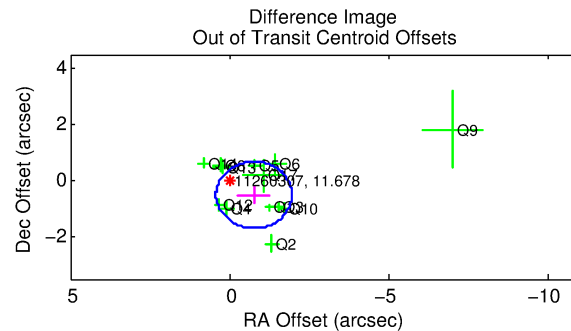
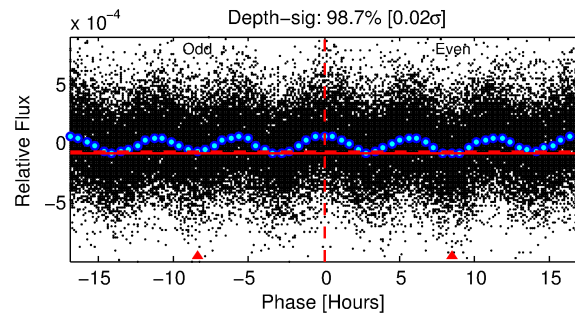
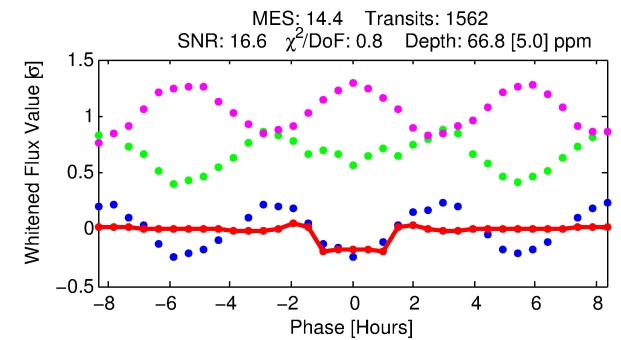
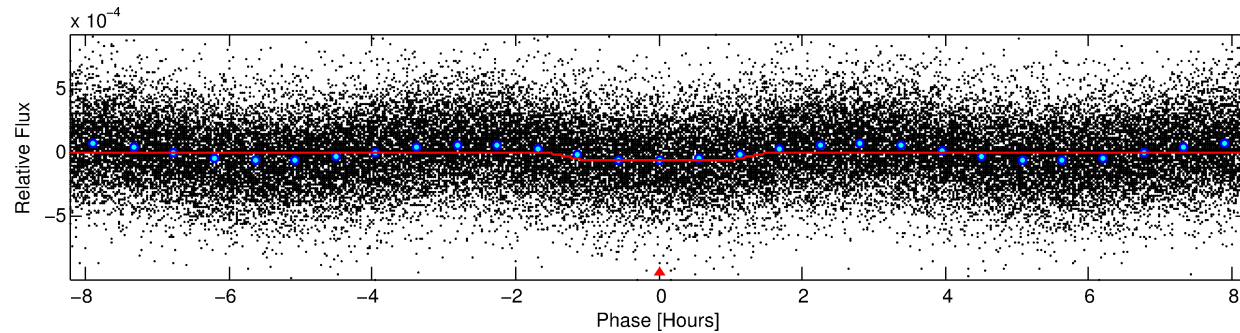
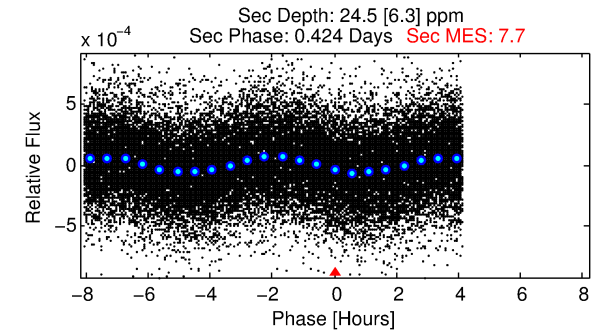
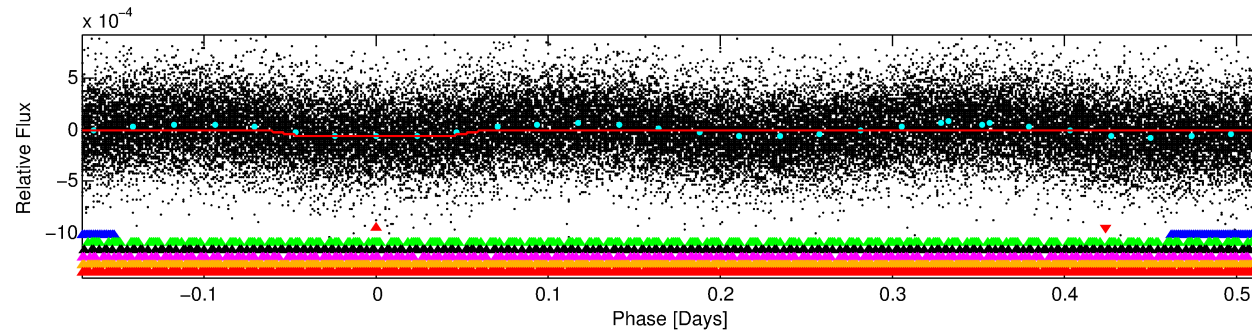
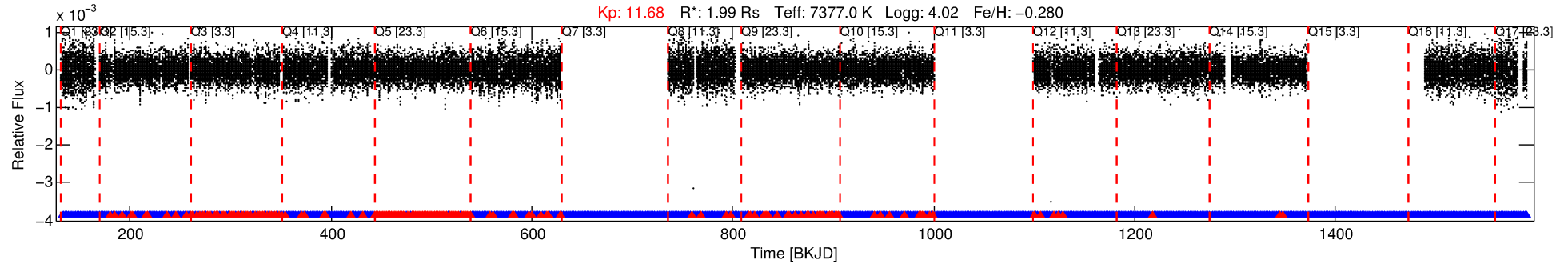
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-01

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 1 of 7 Period: 0.685 d



DV Fit Results:

Period = 0.68484 [0.00001] d
Epoch = 131.9899 [0.0012] BKJD
 $R_p/R^* = 0.0087$ [0.0015]
 $a/R^* = 1.26$ [0.49]
 $b = 0.90$ [0.22]
 $S_{\text{eff}} = 34412.96$ [15133.82]
 $T_{\text{eq}} = 3473$ [382] K
 $R_p = 1.89$ [0.63] R_e
 $a = 0.0175$ [0.0046] AU
 $A_g = 1.15$ [0.68] [0.23σ]
 $T_{\text{eff}} = 5565$ [637] K [2.82σ]

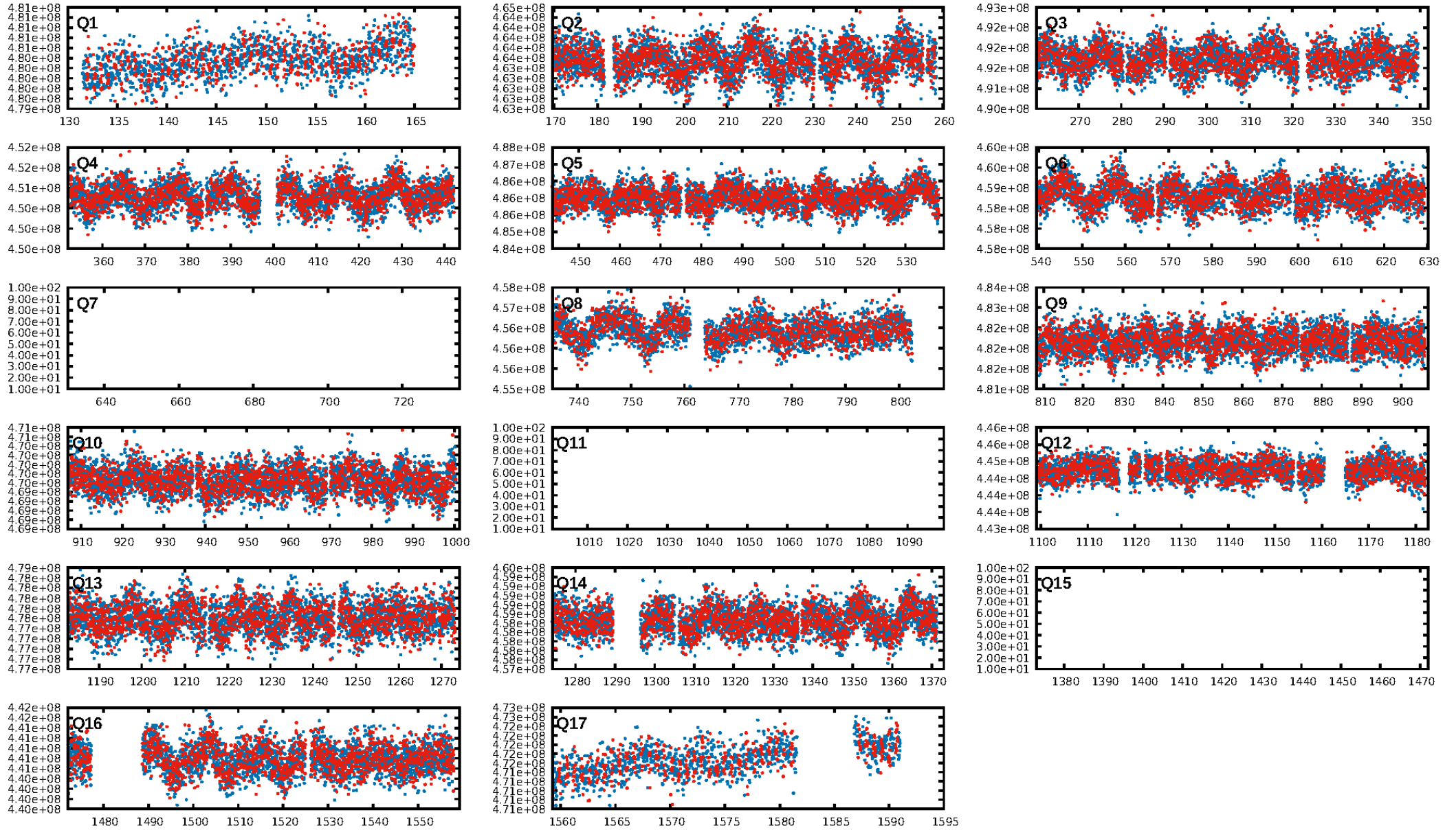
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: 0.0% [0.00σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGoF-sig: N/A
Bootstrap-pfa: 2.06e-06
RollingBand-fgt: 0.83 [1227/1474]
GhostDiagnostic-chr: 1.646
Centroid-sig: 0.0%
Centroid-so: 0.218 arcsec [1.14σ]
OotOffset-rm: 0.927 arcsec [2.33σ]
KicOffset-rm: 0.651 arcsec [1.27σ]
OotOffset-st: 4/1/3/5 [13]
KicOffset-st: 4/1/3/5 [13]
DiffImageQuality-fgm: 0.92 [12/13]
DiffImageOverlap-fno: 0.00 [0/14]

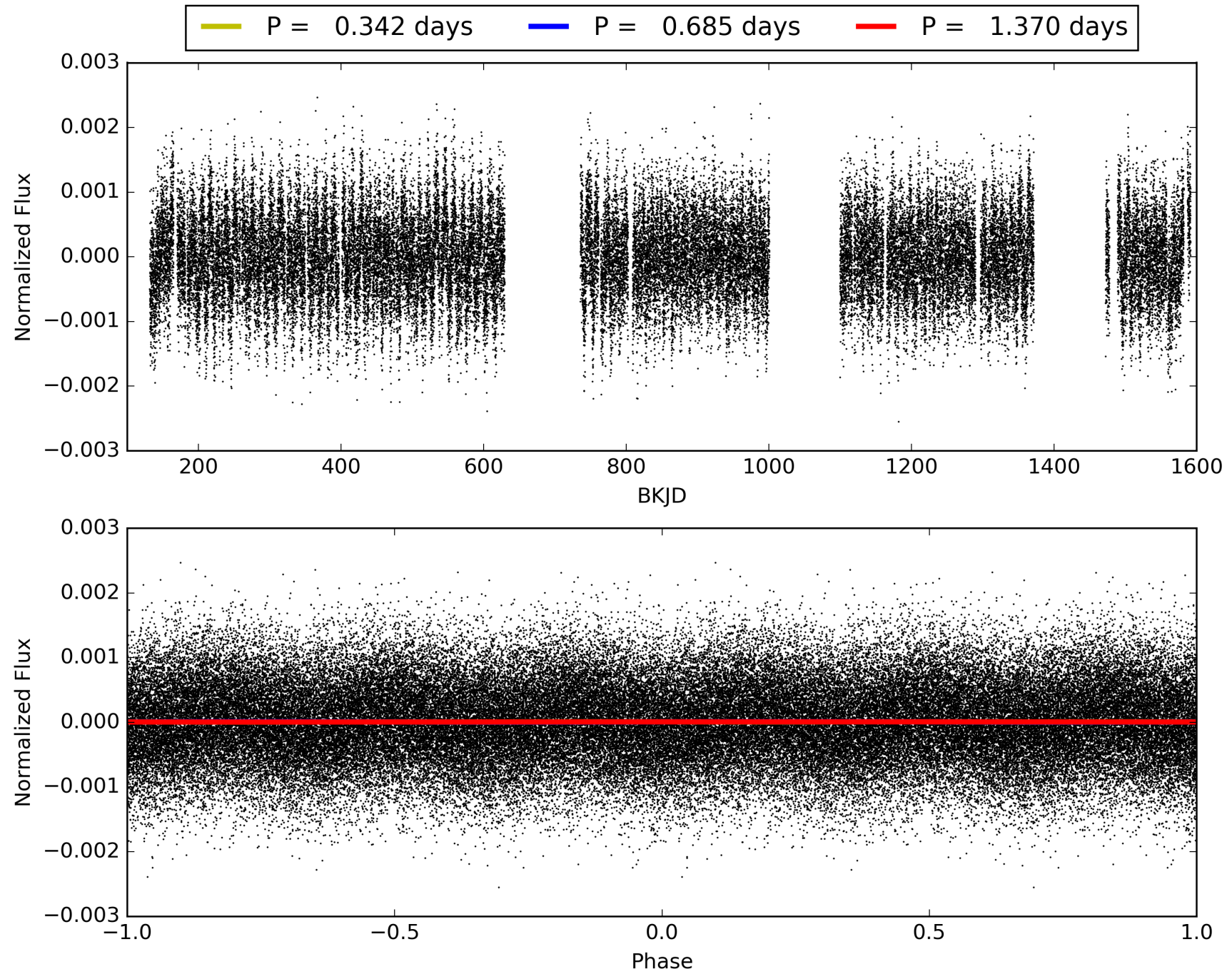
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 10:59:38 Z

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

TCE 011260307-01, PDC Light Curves

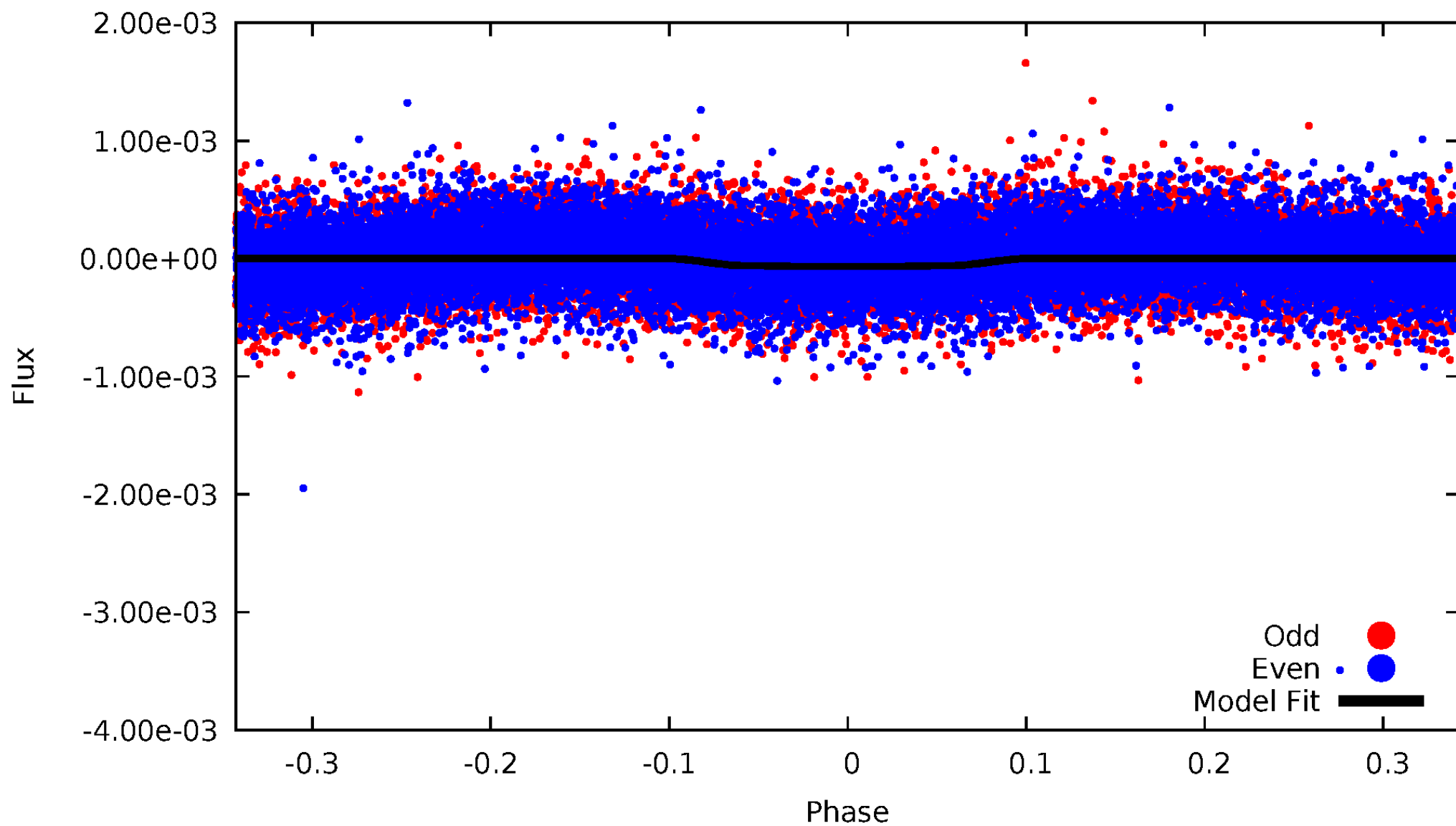


TCE 011260307-01



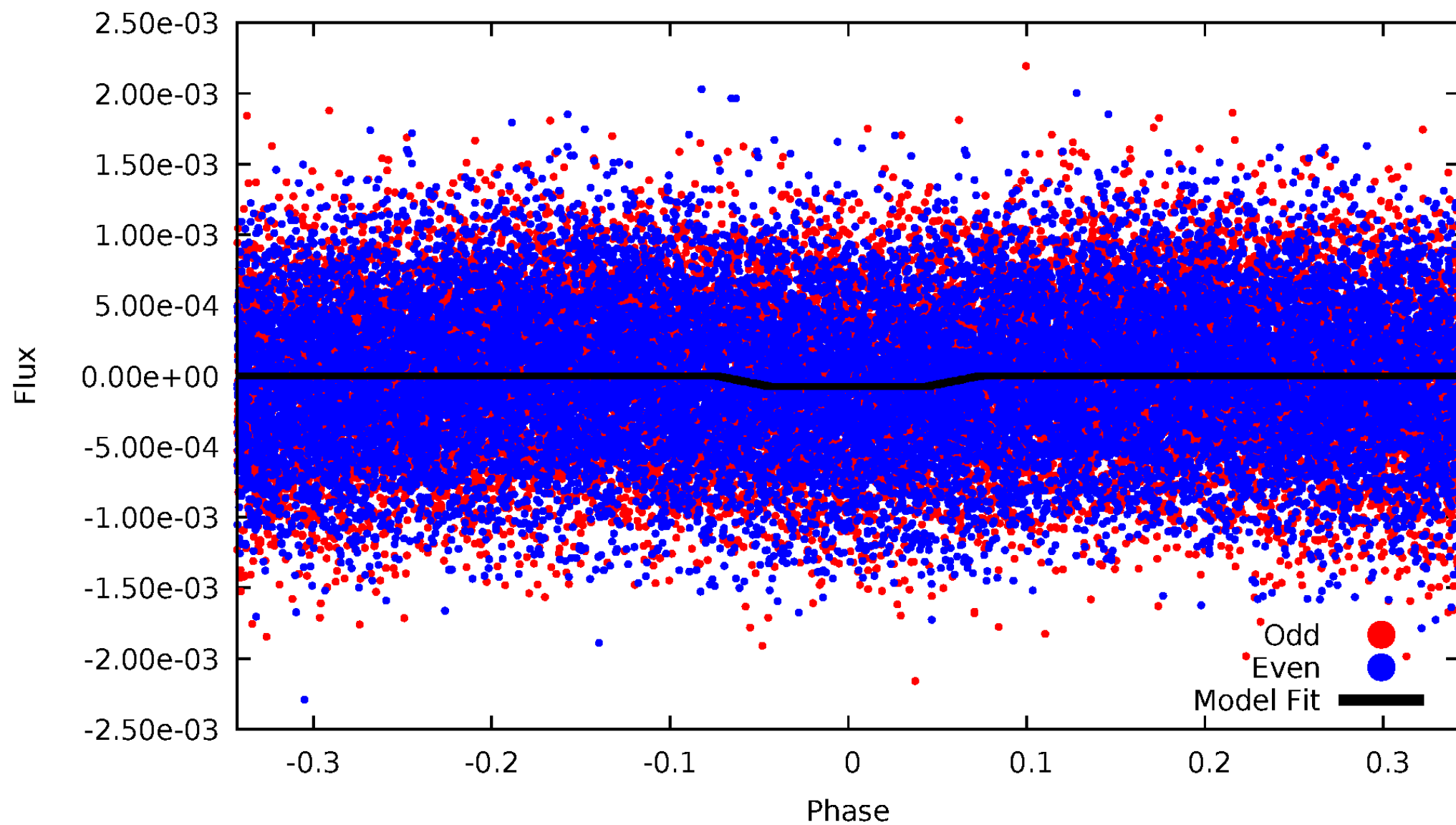
DV Odd/Even

TCE 011260307-01



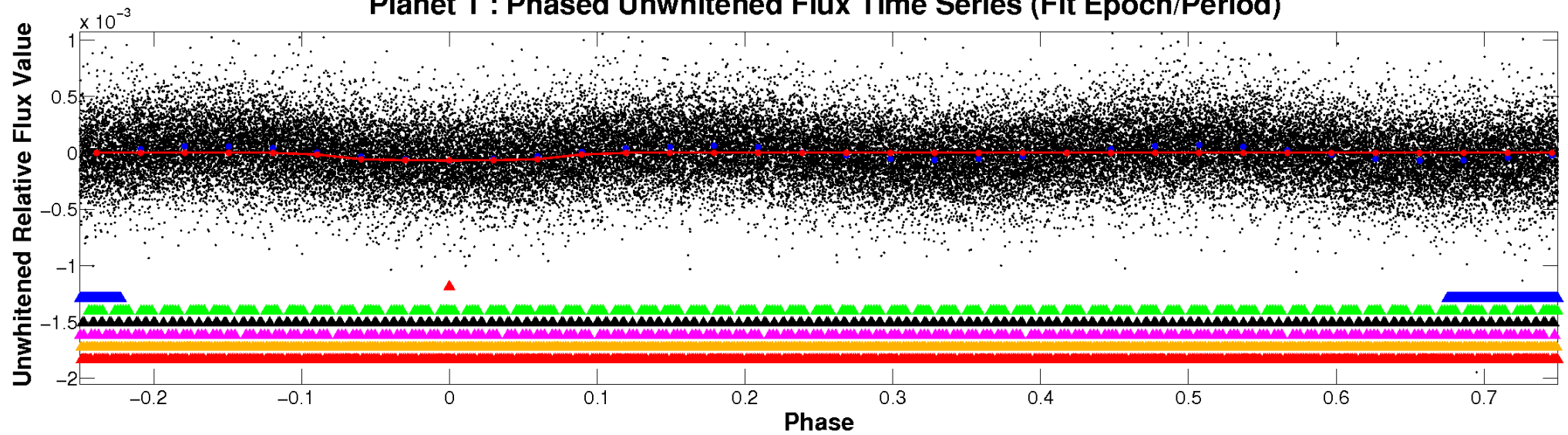
ALT Odd/Even

TCE 011260307-01

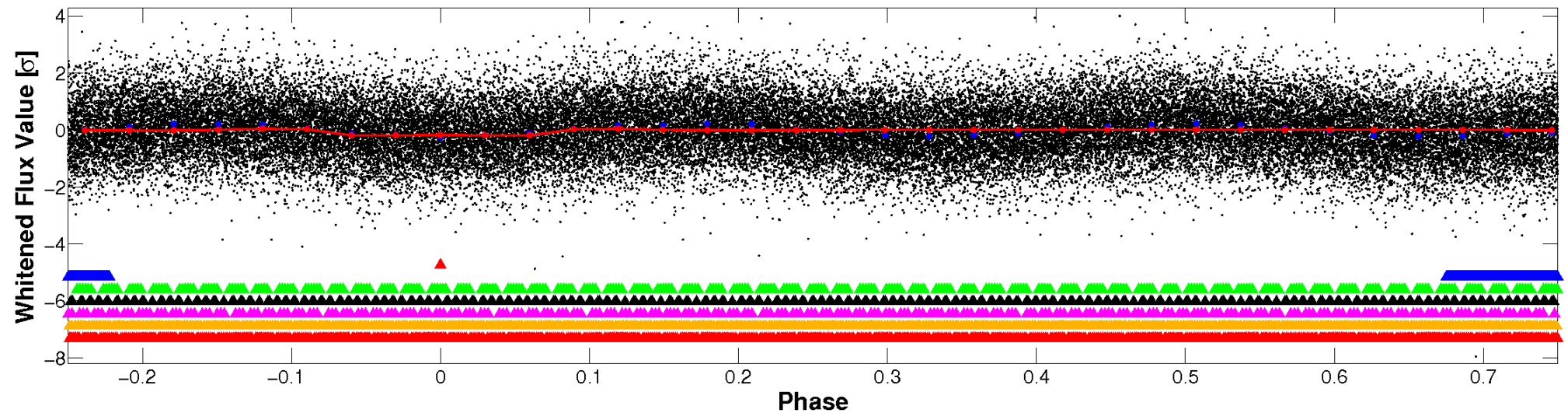


Non-Whitened Vs. Whitened Light Curve

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

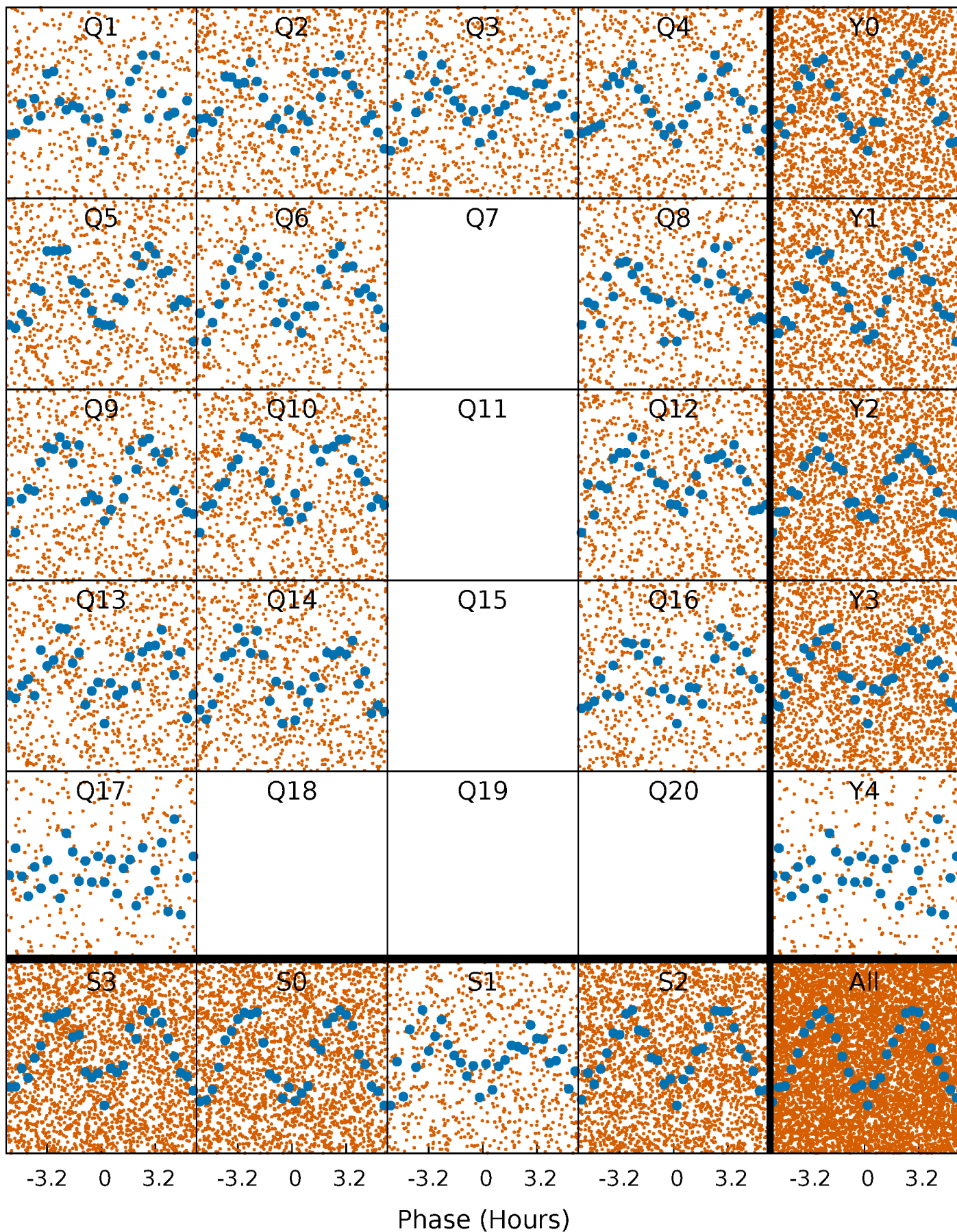


Planet 1 : Phased Whitened Flux Time Series (Fit Epoch/Period)



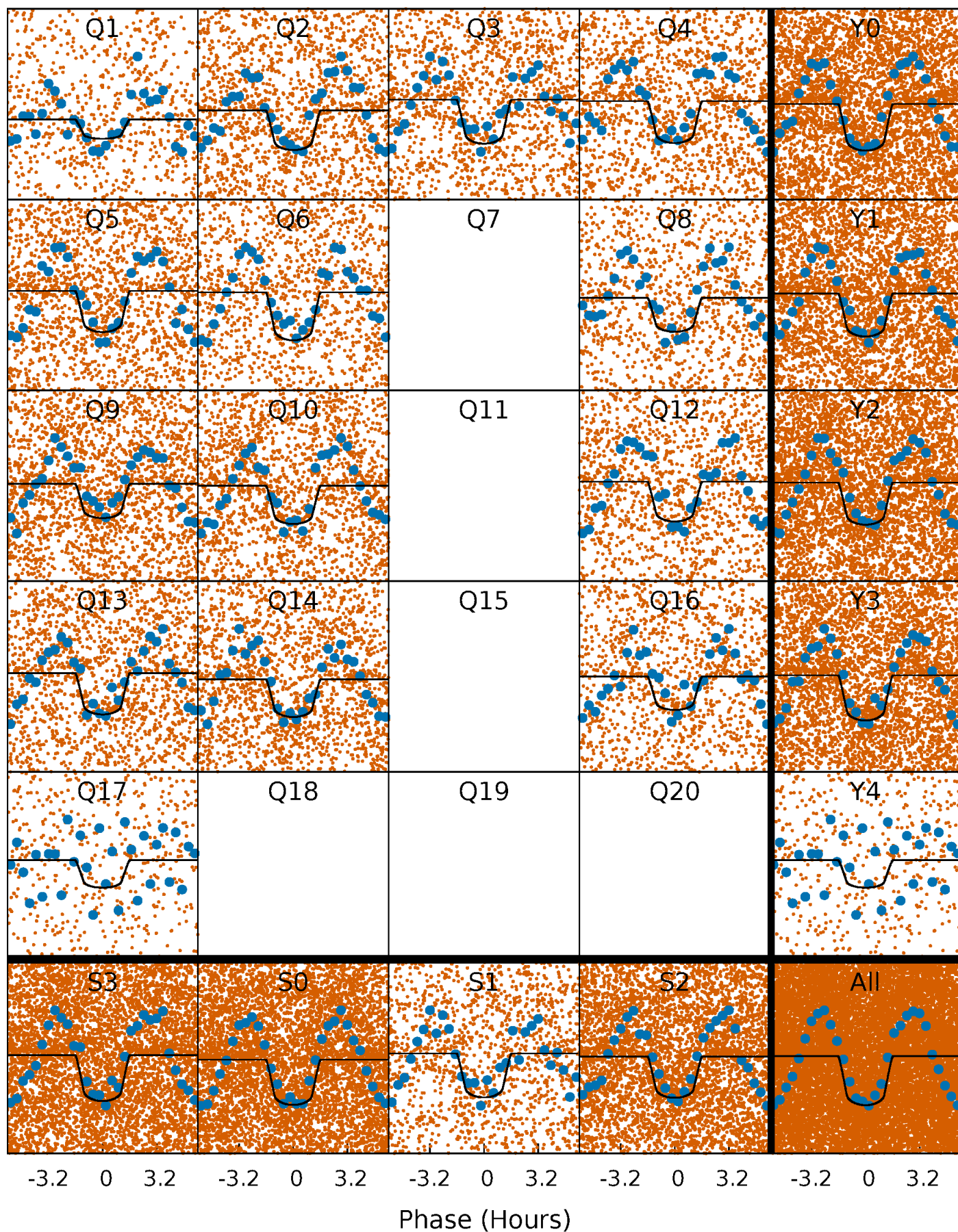
PDC Quarter-Phased Transit Curves

TCE 011260307-01 P= 0.684835 Days $T_0=131.989925$ (BKJD)



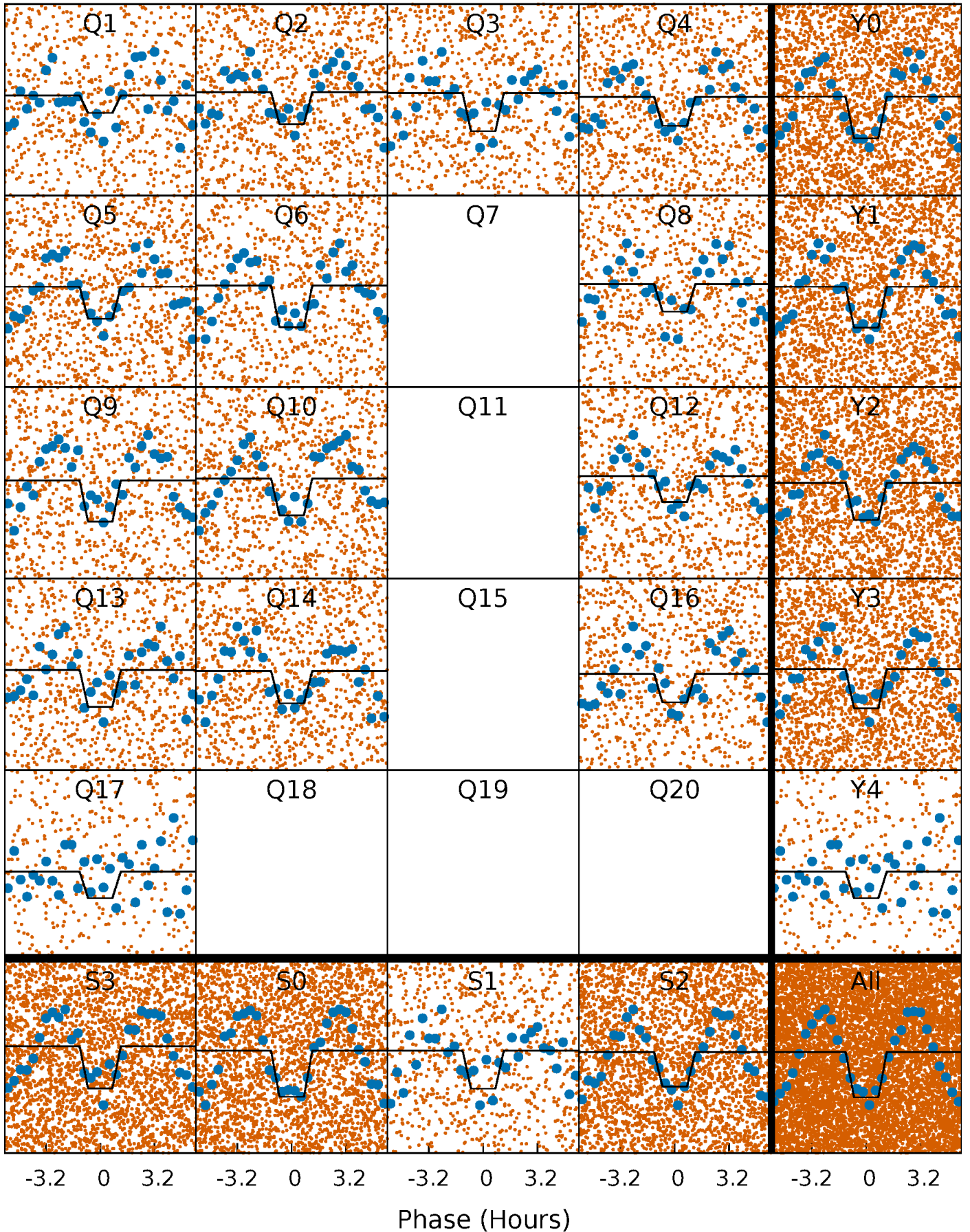
DV Quarter-Phased Transit Curves

TCE 011260307-01 P= 0.684835 Days $T_0=131.989925$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

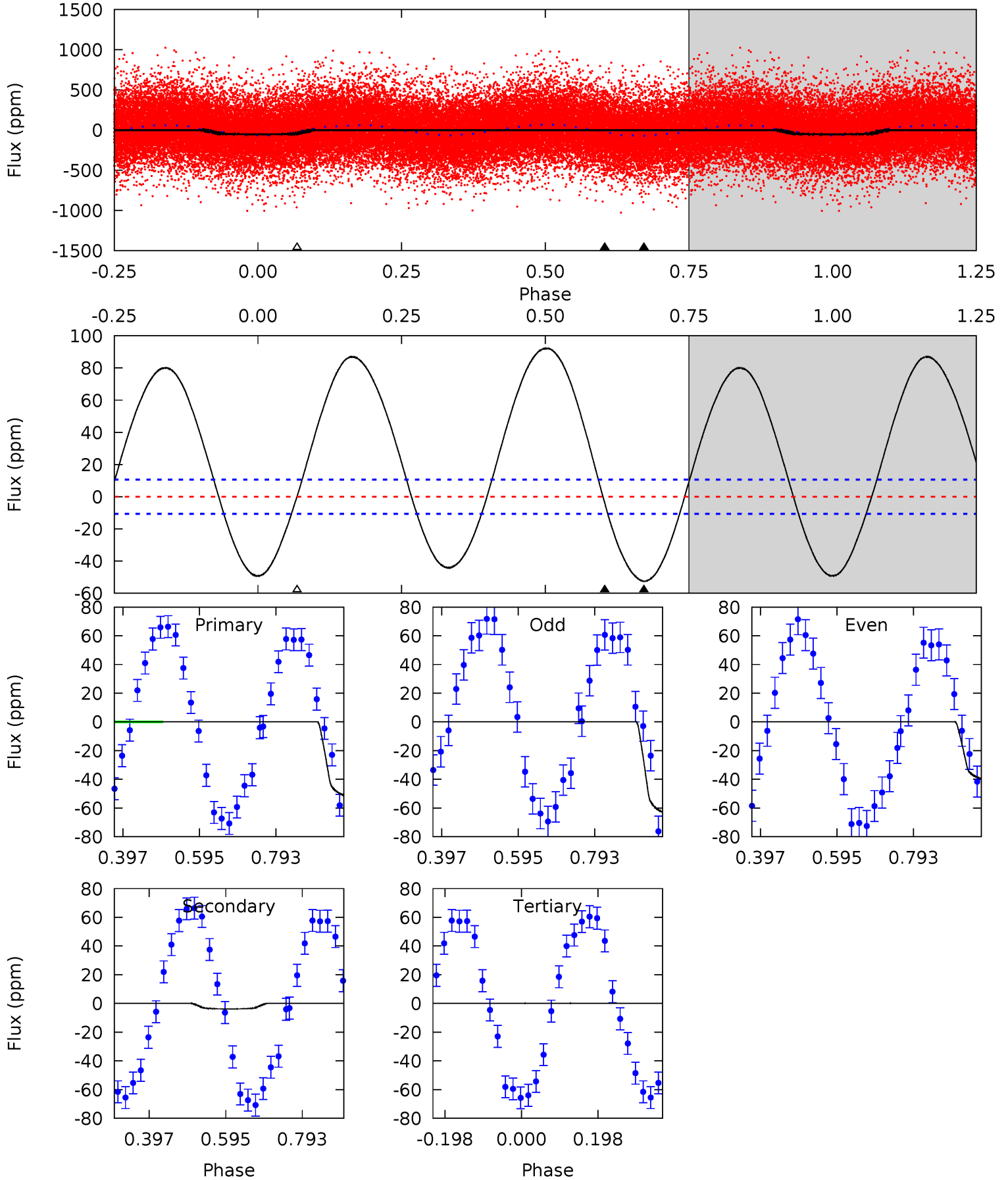
TCE 011260307-01 P= 0.684835 Days $T_0=131.989925$ (BKJD)



DV Model-Shift Uniqueness Test

011260307-01, P = 0.684835 Days, E = 131.305090 Days

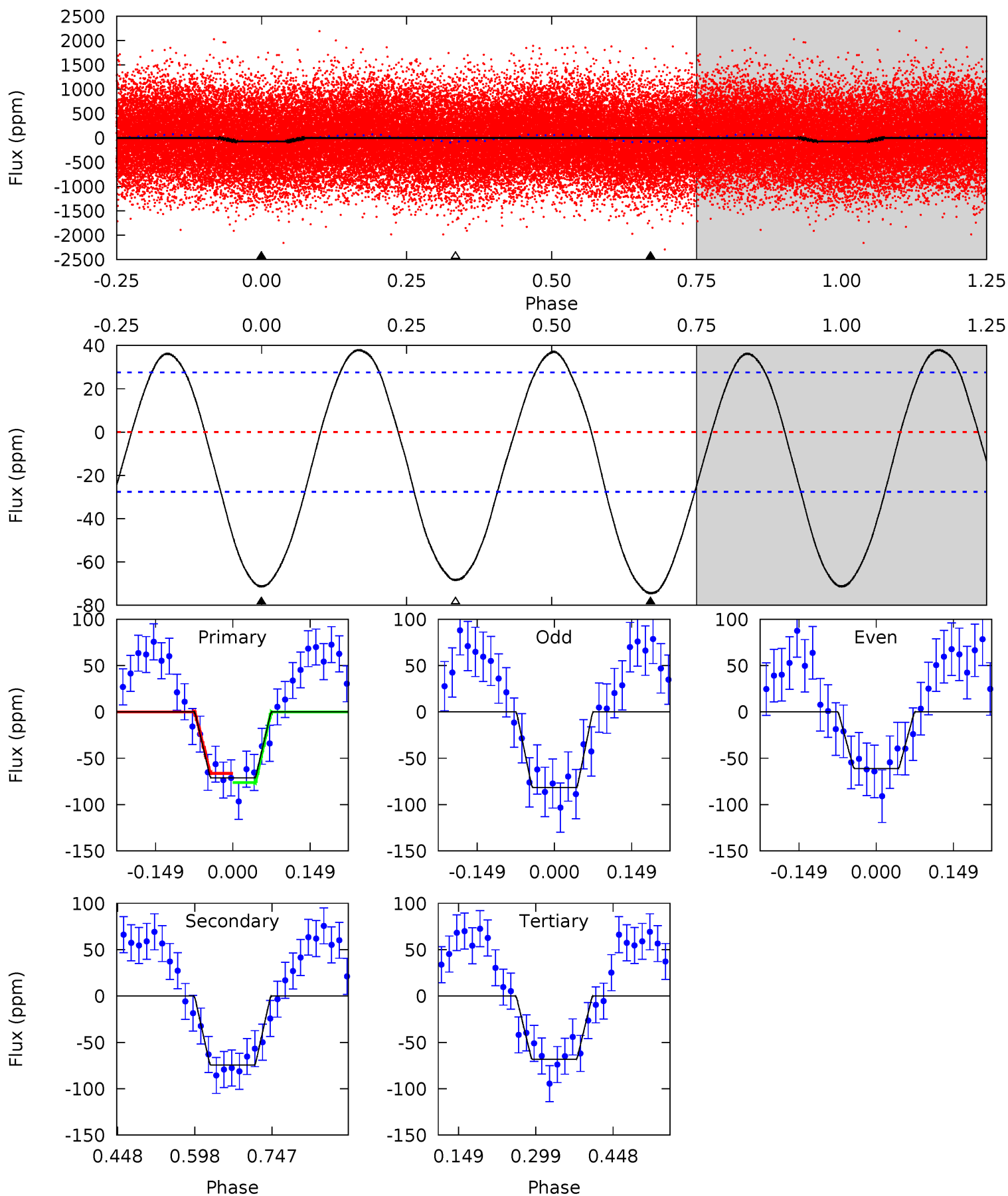
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.9	1.59	-0.04	0	4.42	1.29	18.7	21.9	21.9	1.63	1.59	4.98	0.96	0.64	0.13



Alt Model-Shift Uniqueness Test

011260307-01, P = 0.684835 Days, E = 131.305090 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
11.6	12.1	11.1	0	4.48	1.44	6.37	0.49	11.6	1.00	12.1	1.65	1.07	0.34	0.80



Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-01 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-4±2	$1.85^{+0.45}_{-0.40}$	4789^{+381}_{-375}	-3531^{+6740}_{-578}	$0.181^{+0.190}_{-0.129}$
Alt.	-74±6	$1.87^{+0.42}_{-0.42}$	4824^{+390}_{-417}	7084^{+976}_{-663}	$3.583^{+2.263}_{-1.218}$

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

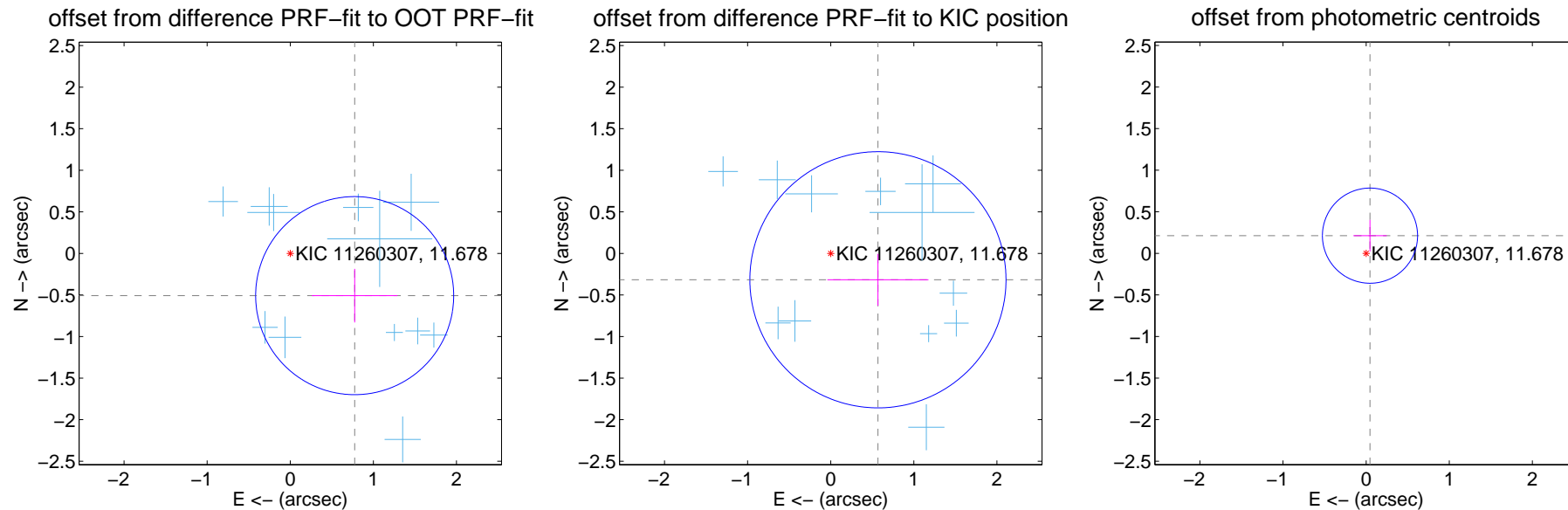
DV Centroid Data

Supplemental centroid analysis for 011260307-01. **Kepler magnitude: 11.68.** Transit SNR 16.60

There are 12 quarters with good PRF difference image offsets

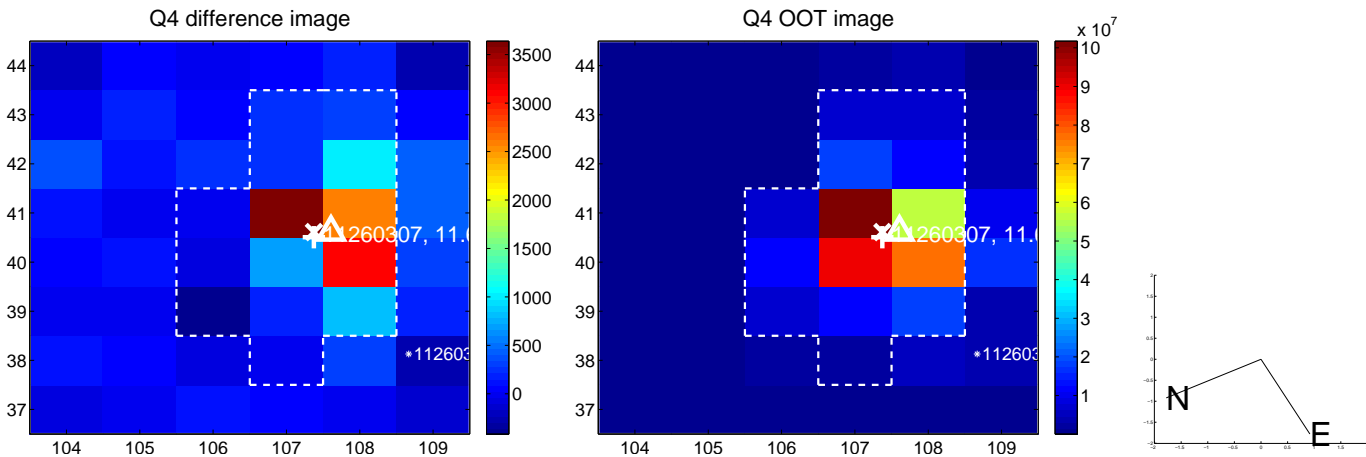
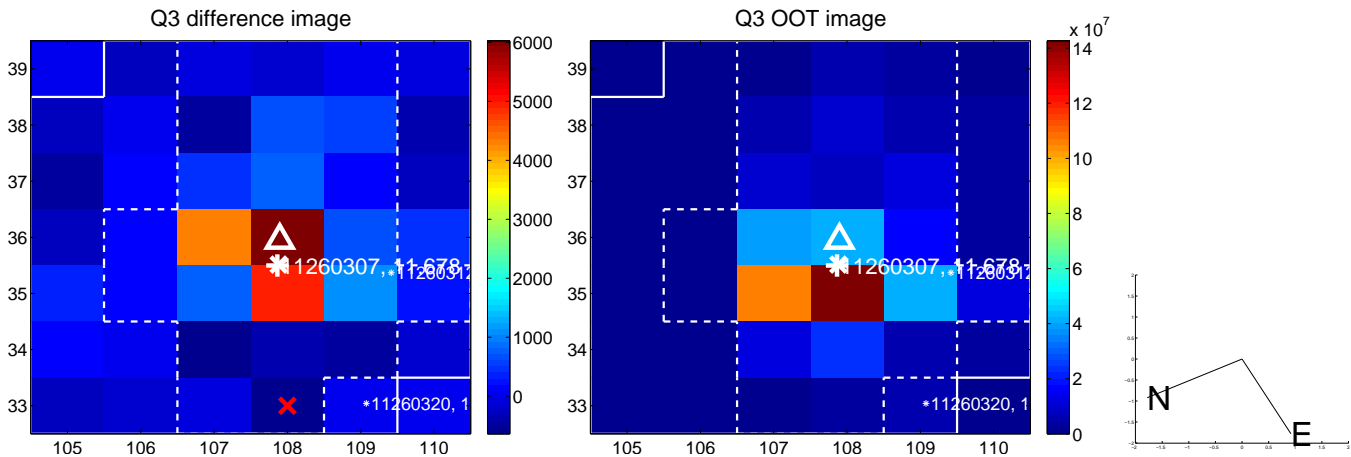
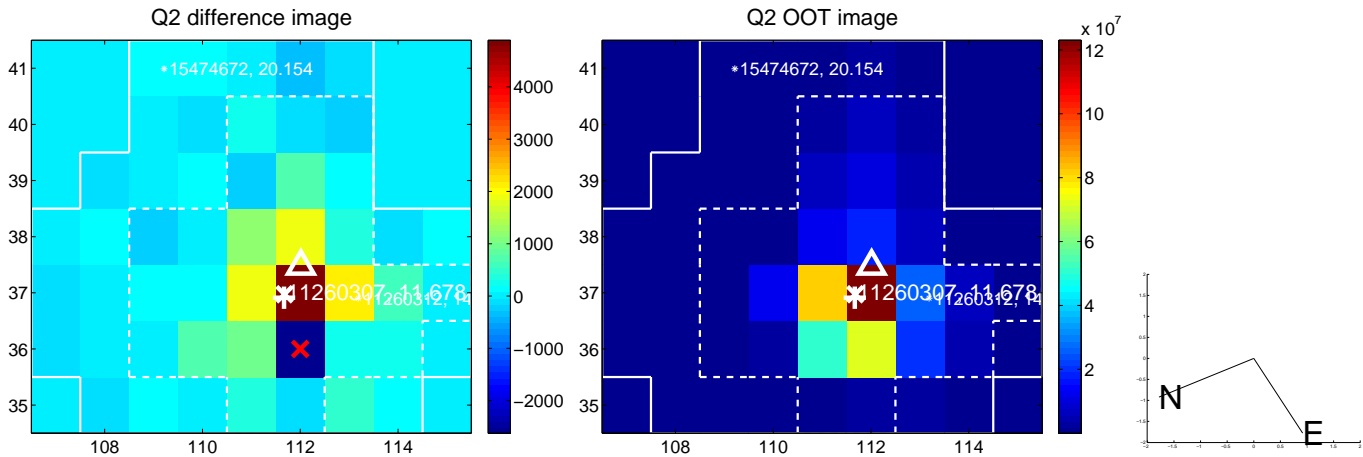
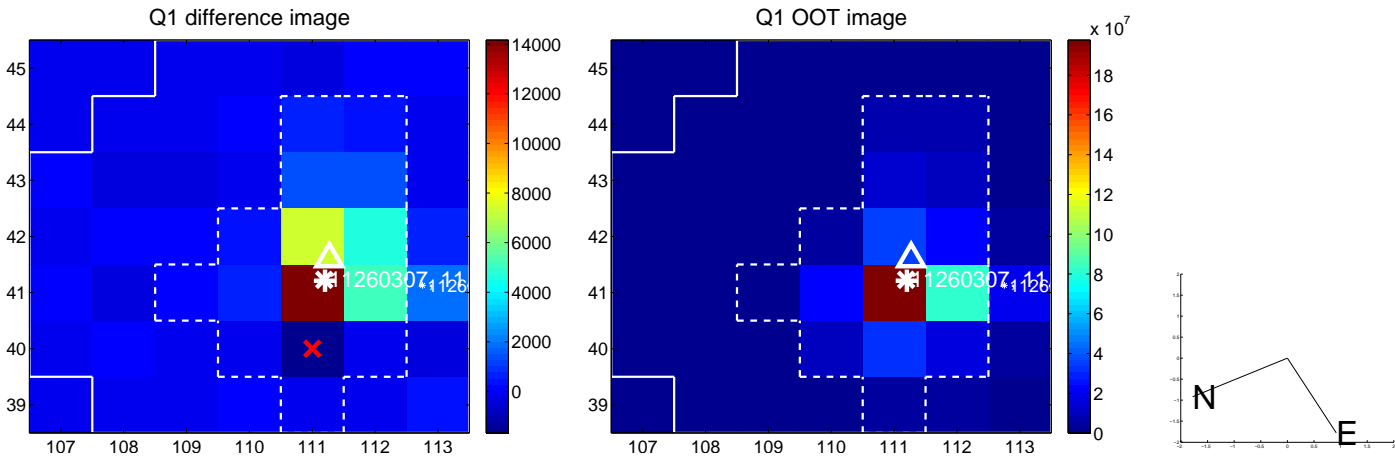
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.927 ± 0.397	2.33	-0.775 ± 0.515	-0.508 ± 0.322
PRF-fit source offset from KIC position	0.651 ± 0.514	1.27	-0.568 ± 0.608	-0.317 ± 0.312
photometric centroid source offset	0.22 ± 0.19	1.14	-0.05 ± 0.20	0.21 ± 0.19

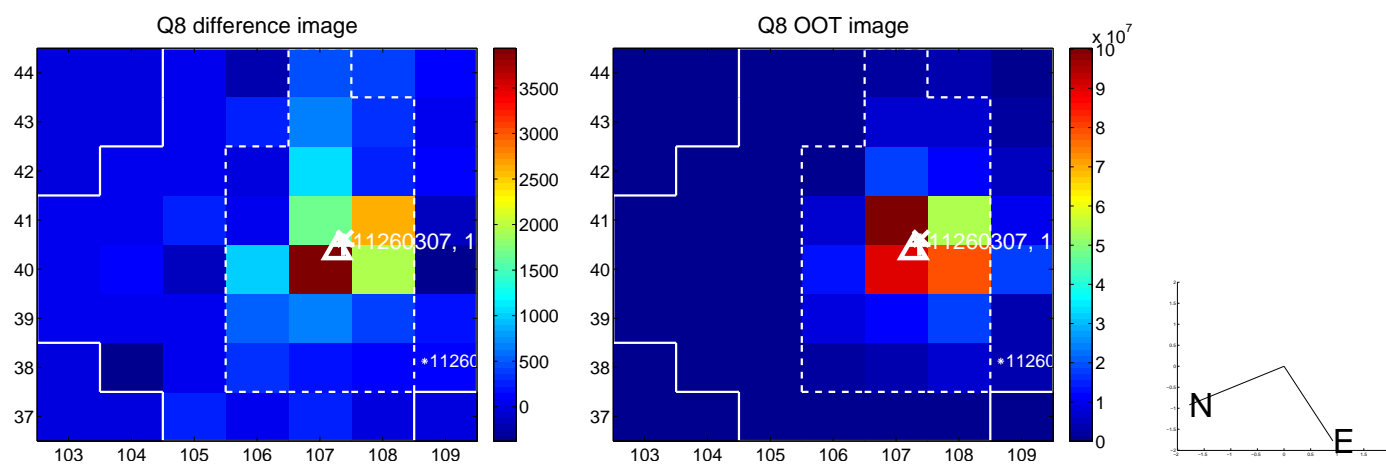
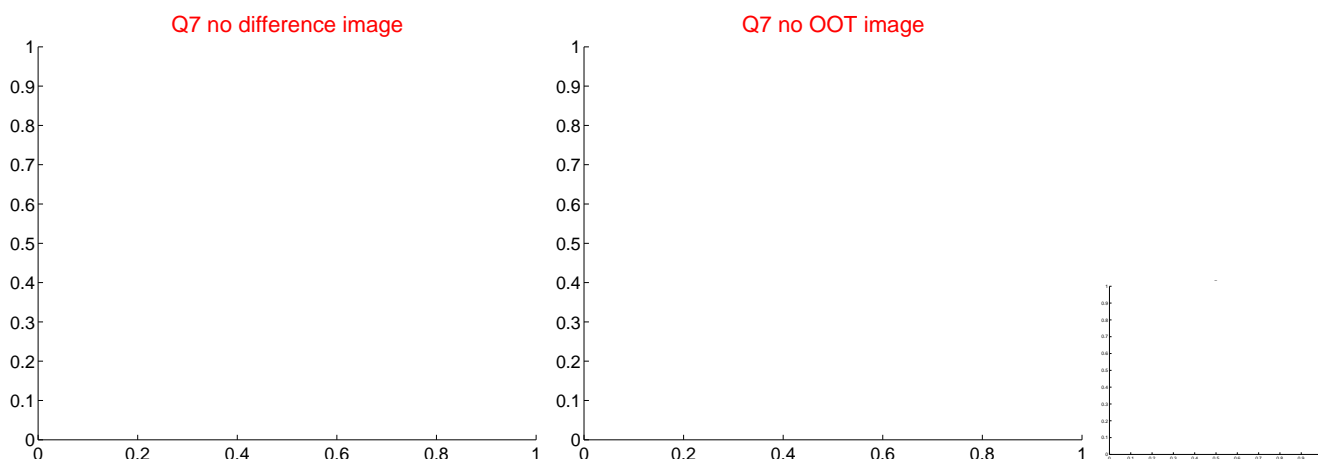
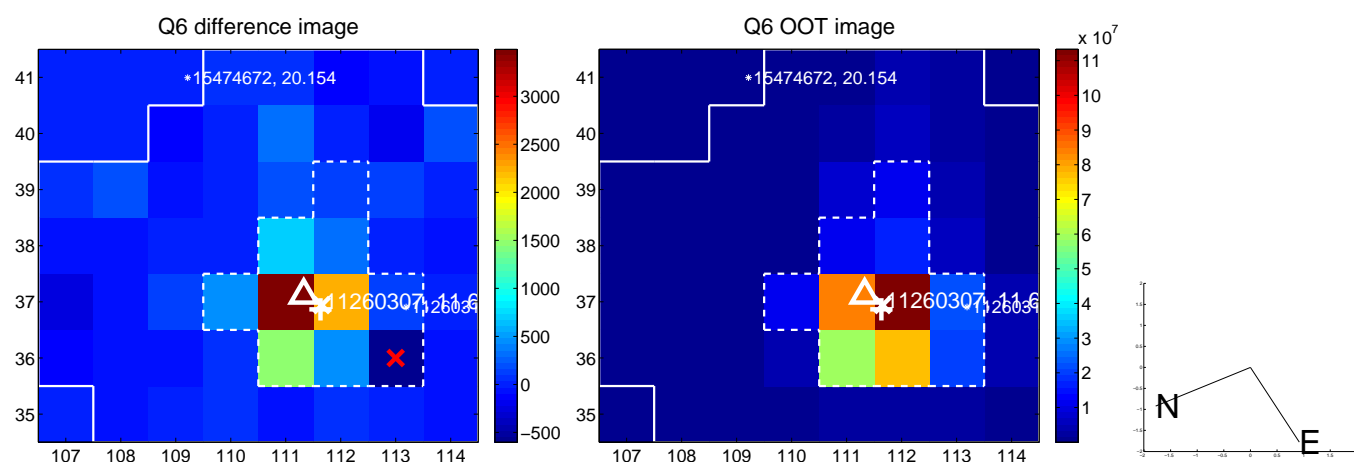
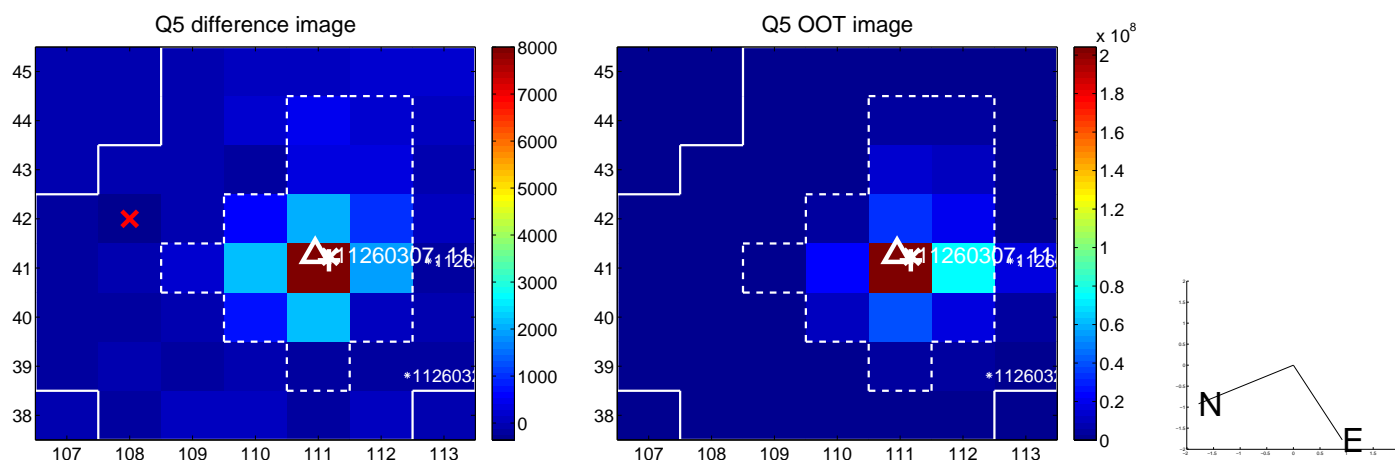


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

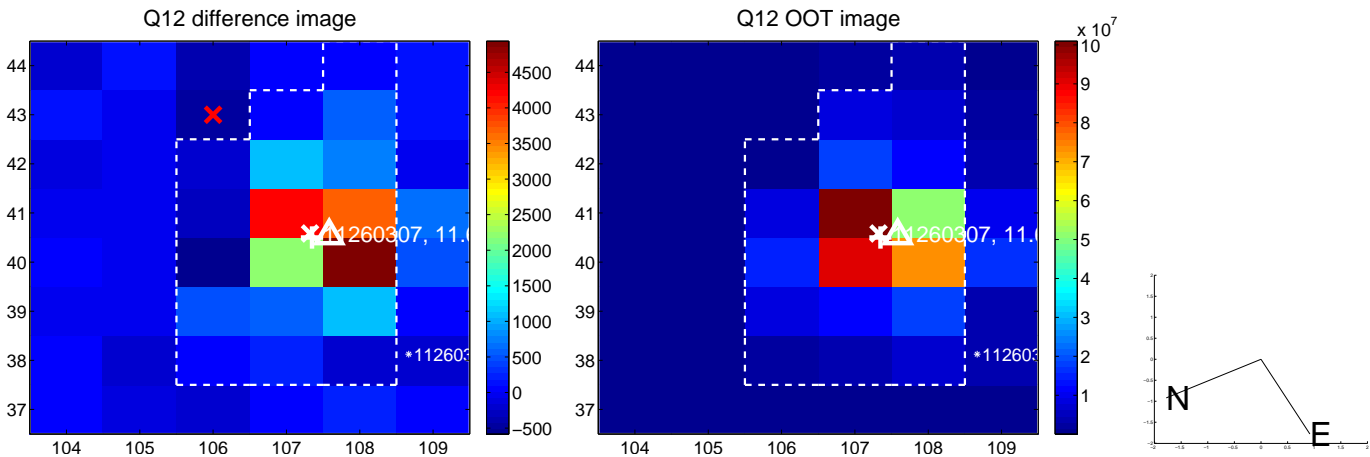
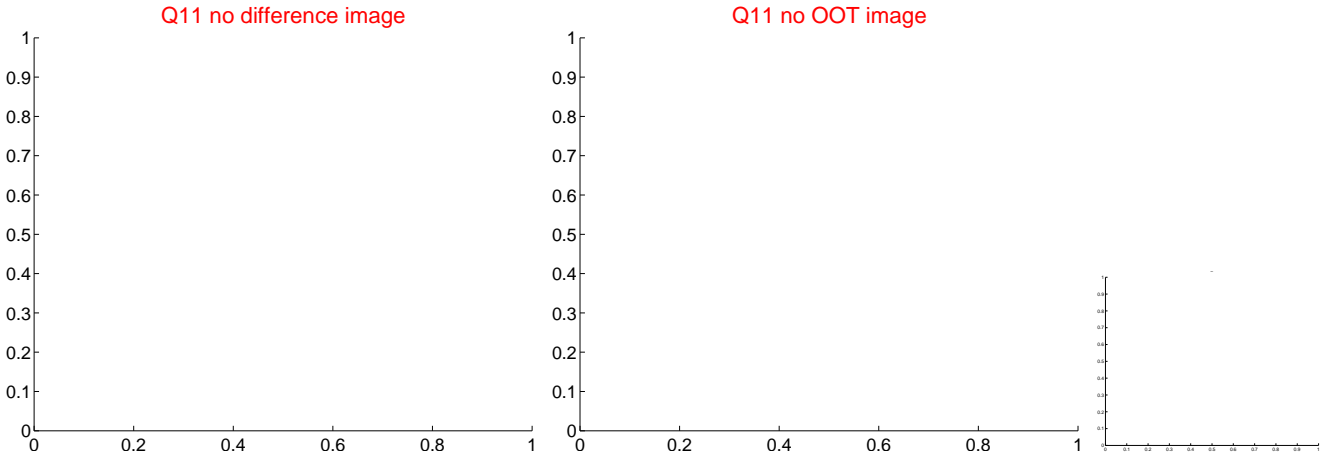
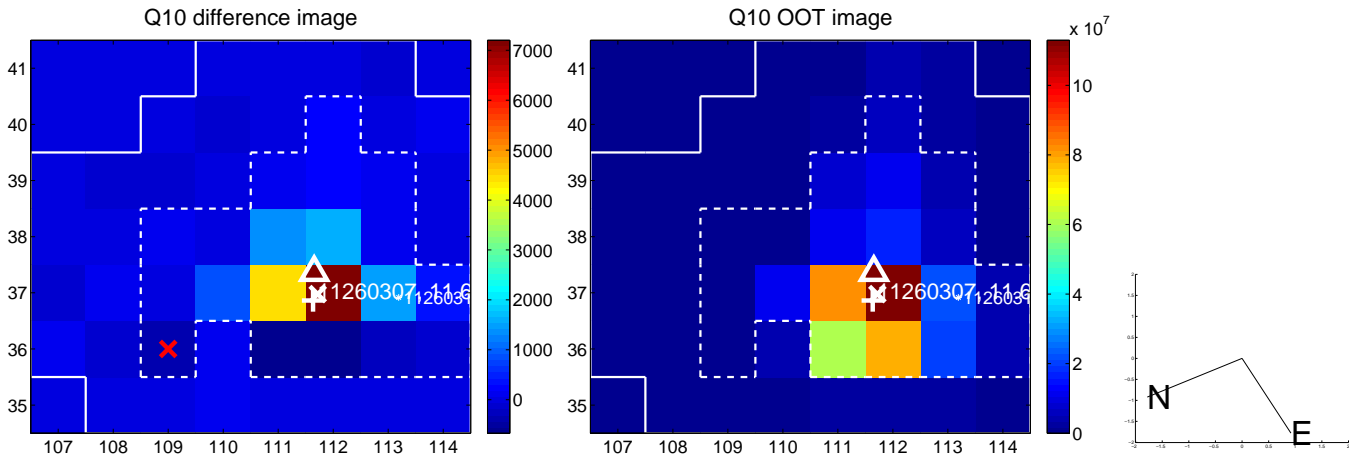
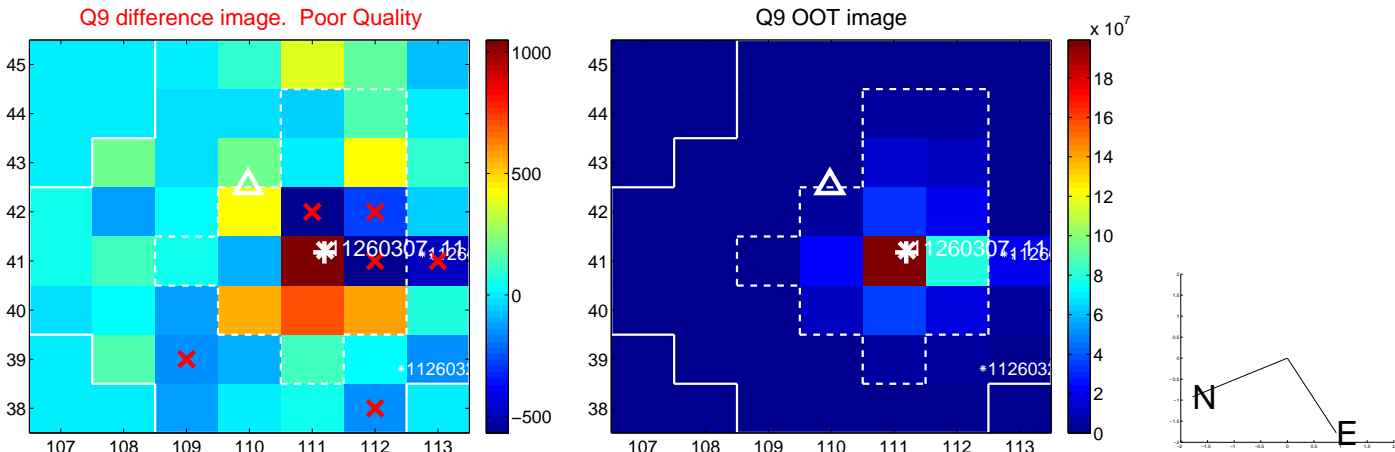
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



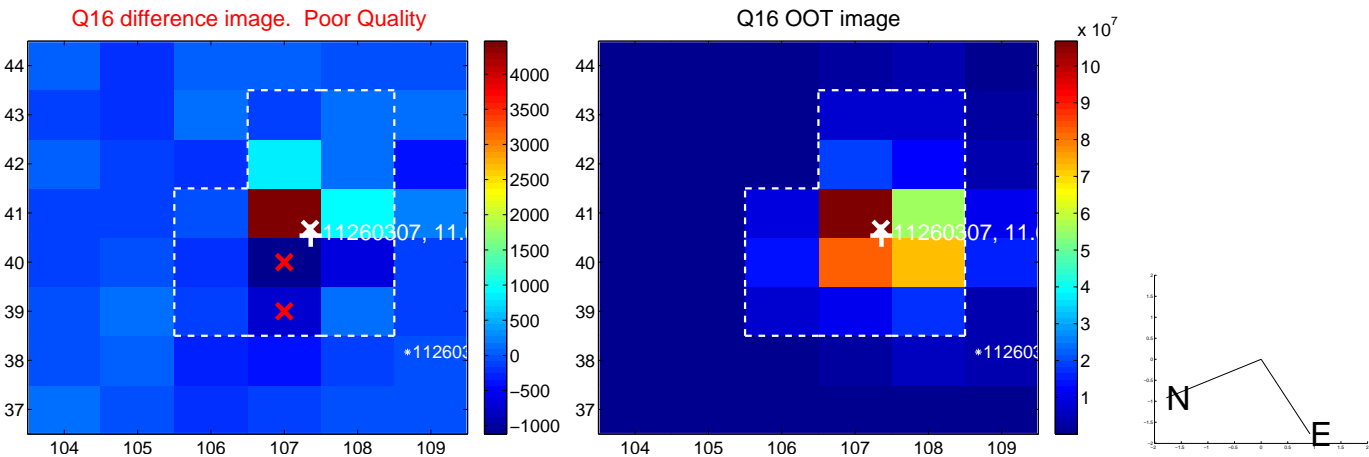
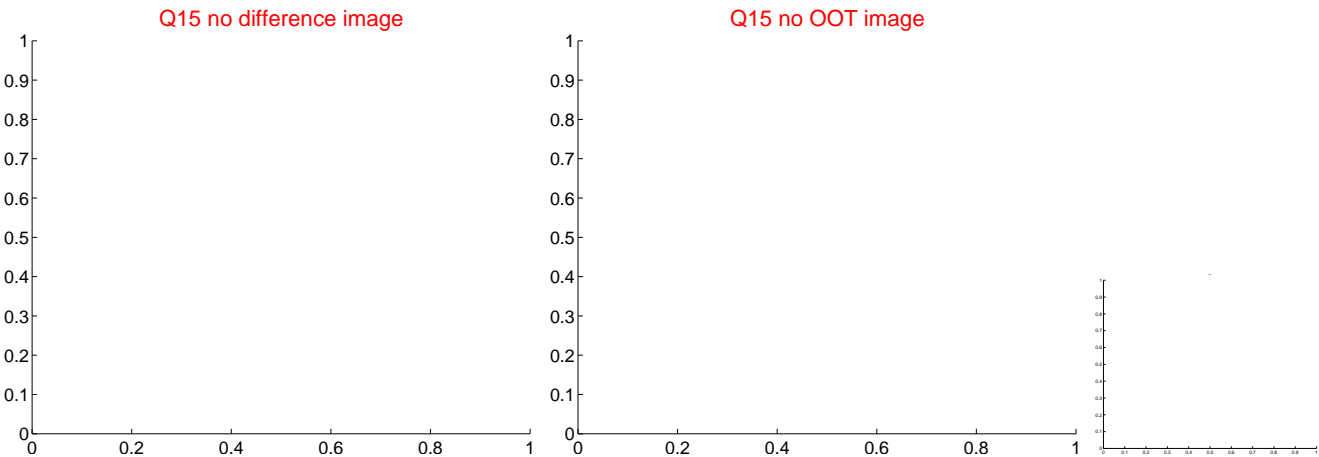
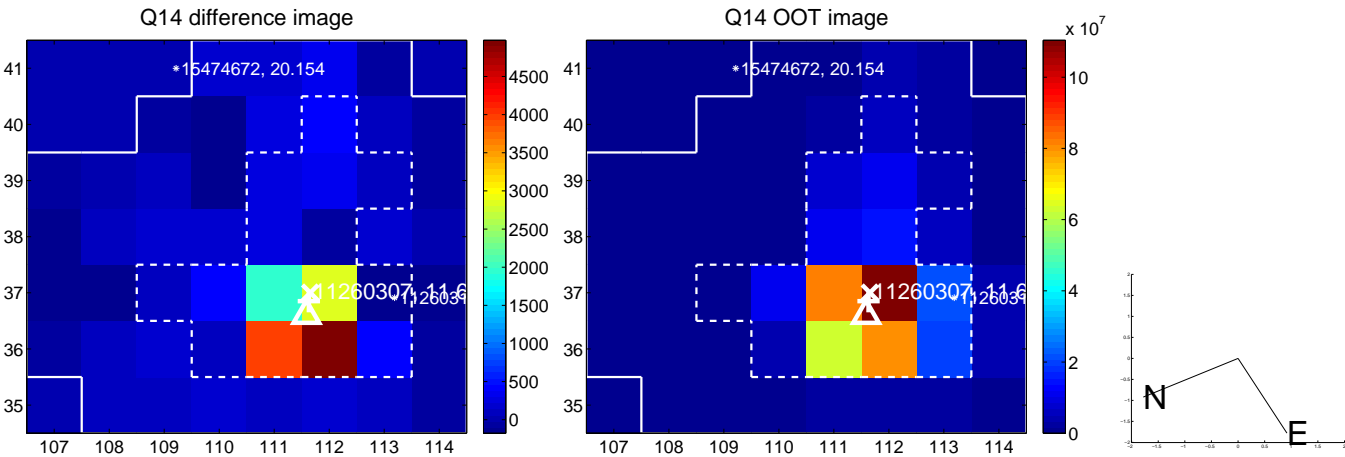
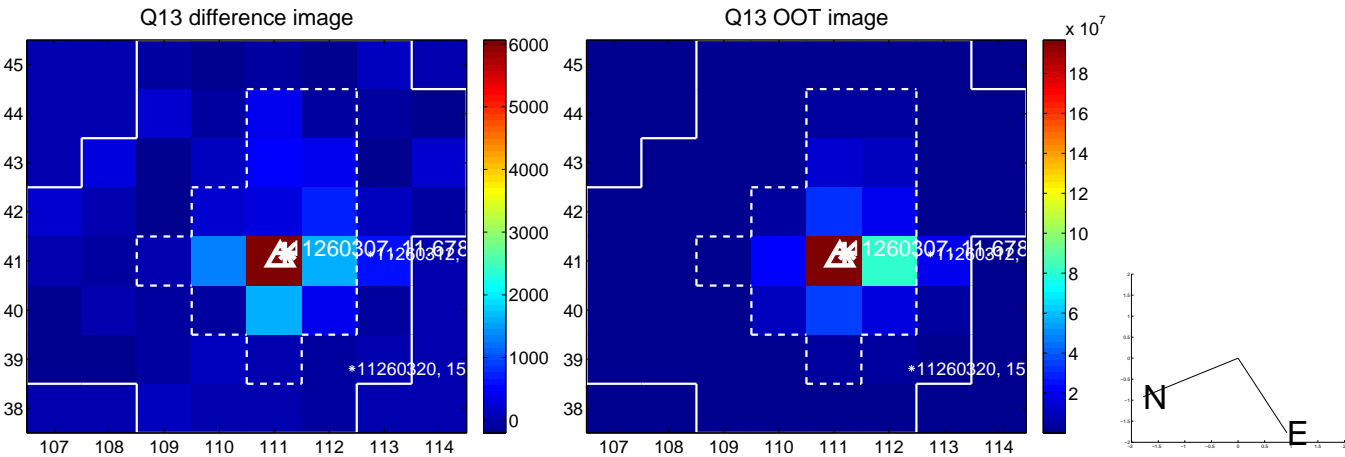
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value



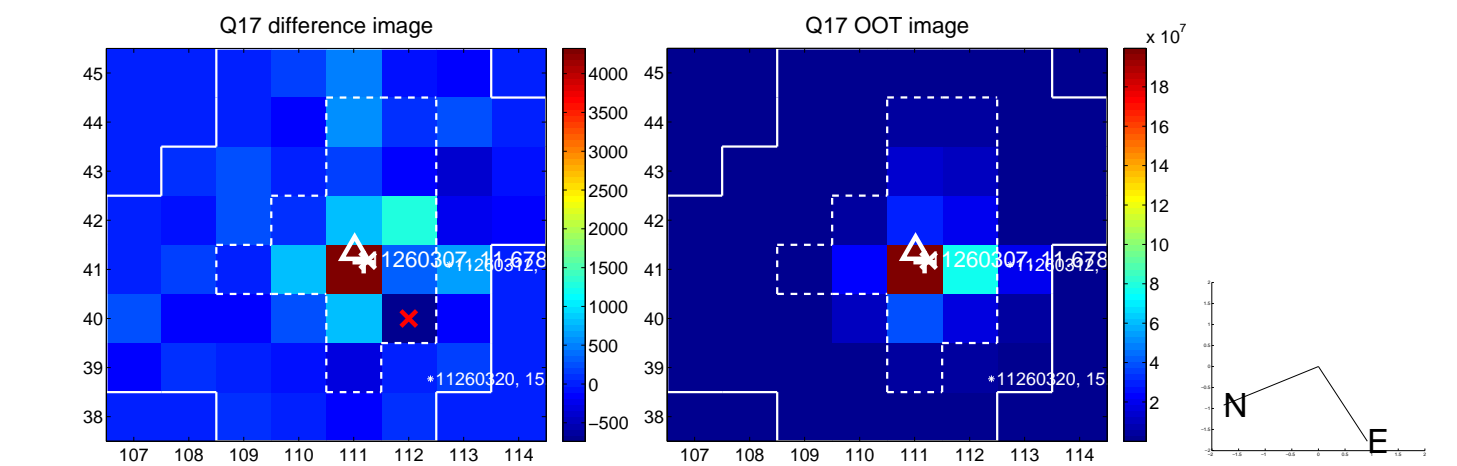
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



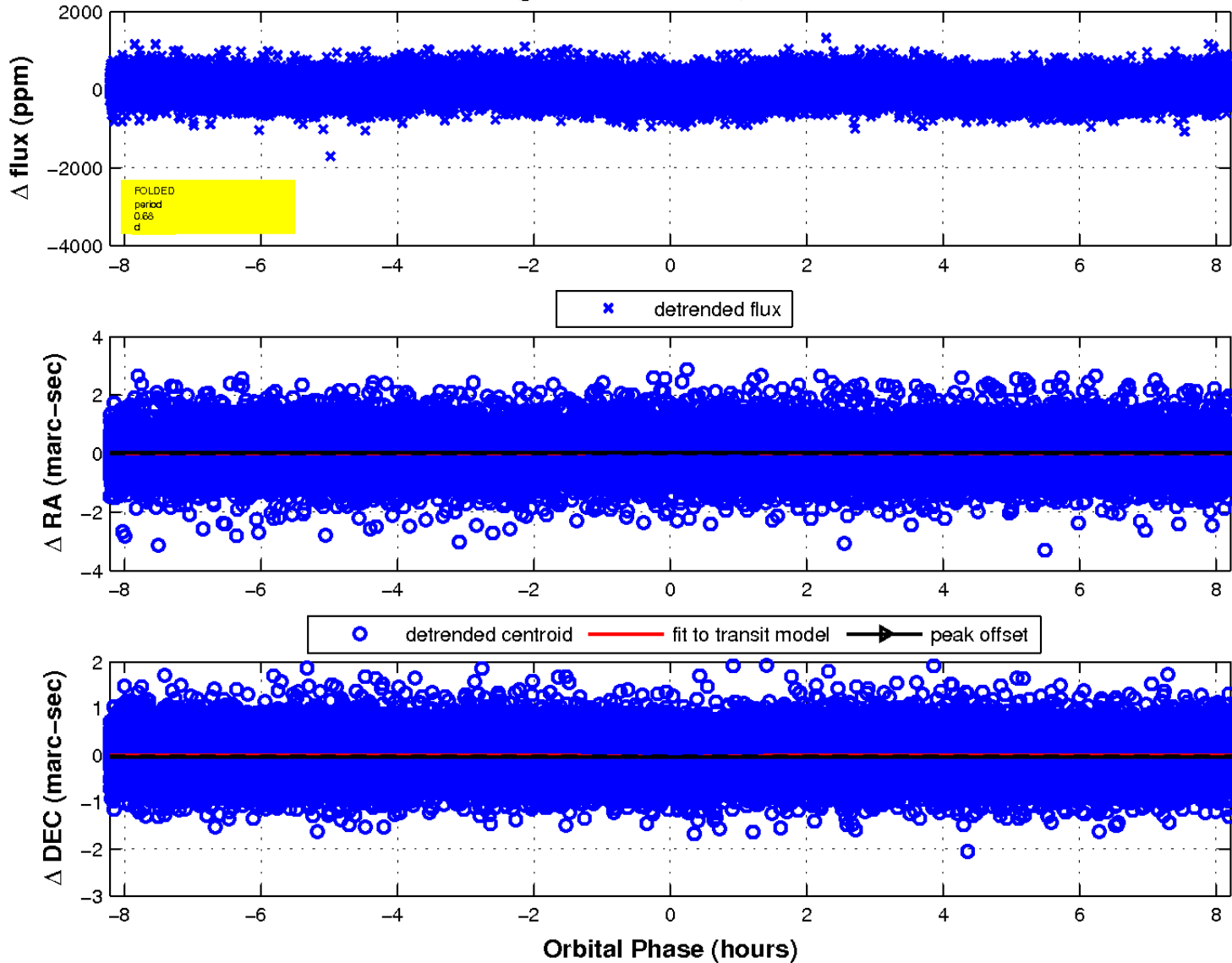
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



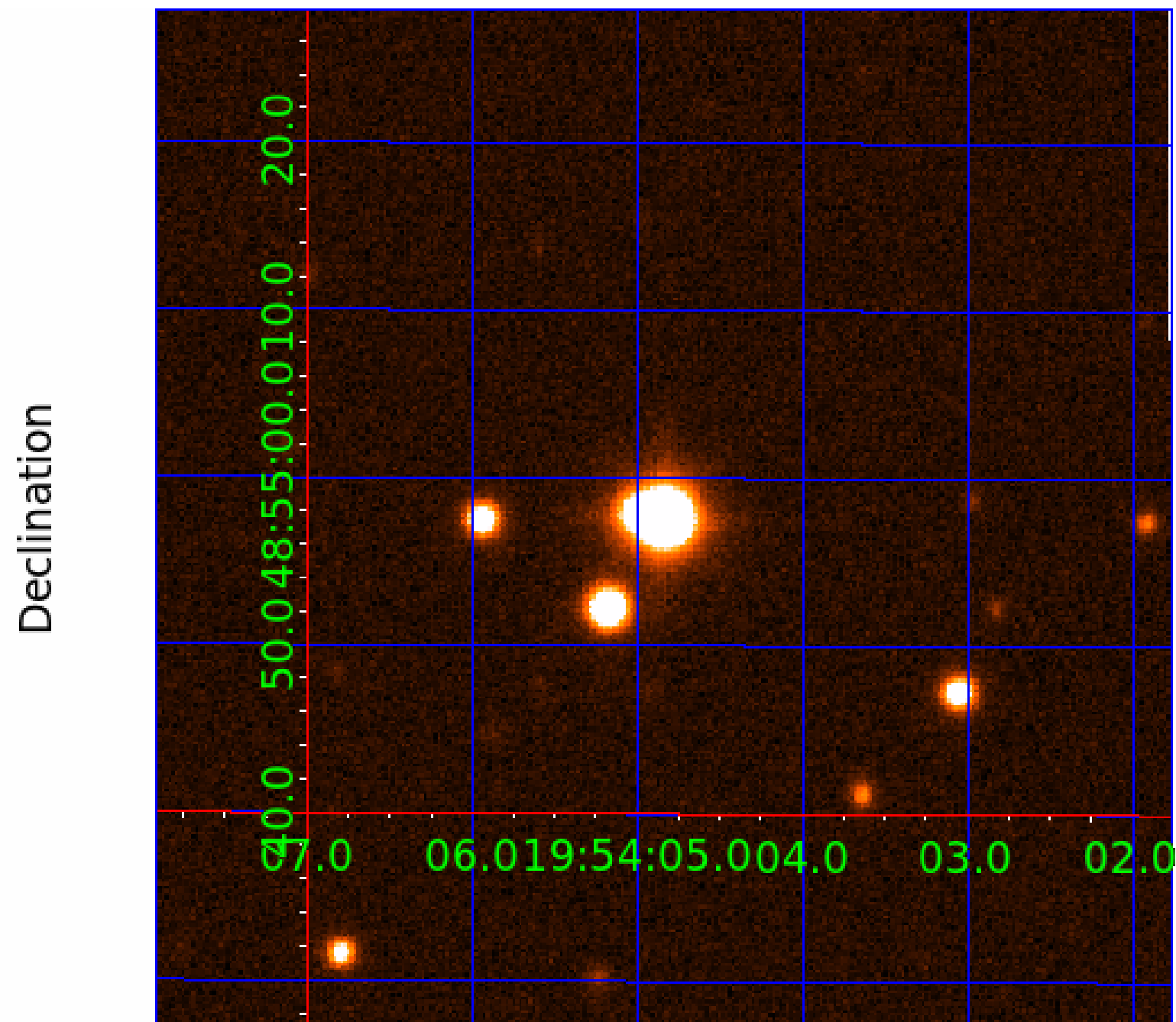
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



fluxWeightedCentroids, Planet 1 of 7



UKIRT Image



KIC 011260307

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})
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011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
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011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

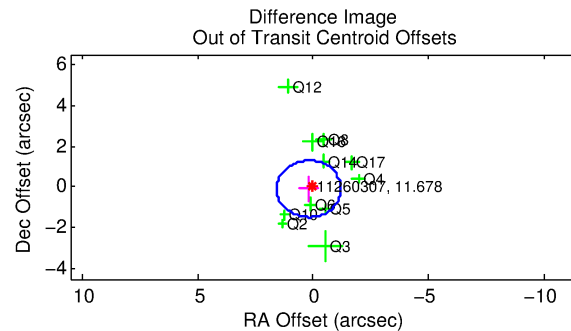
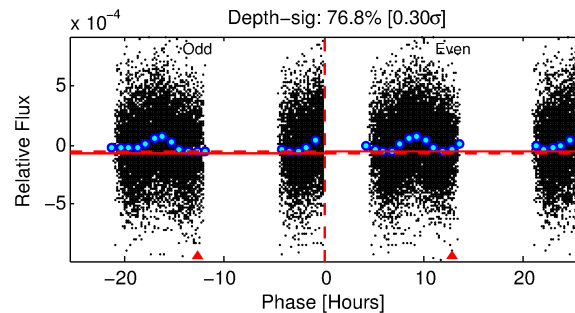
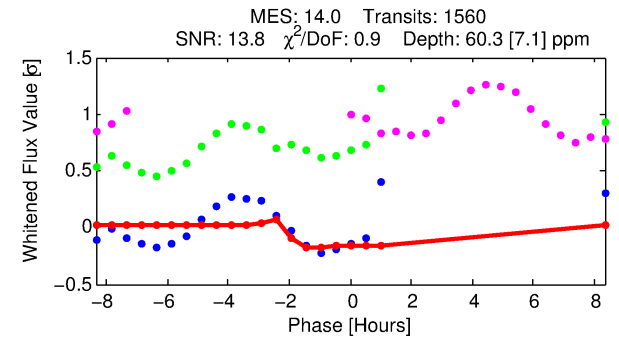
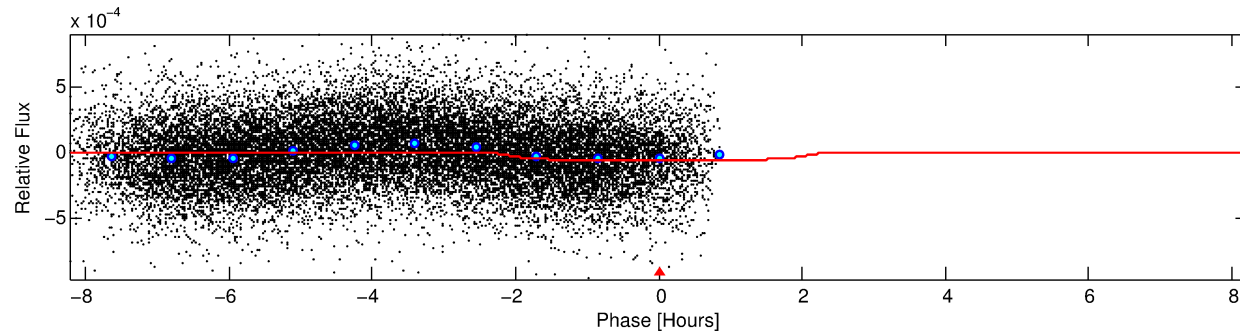
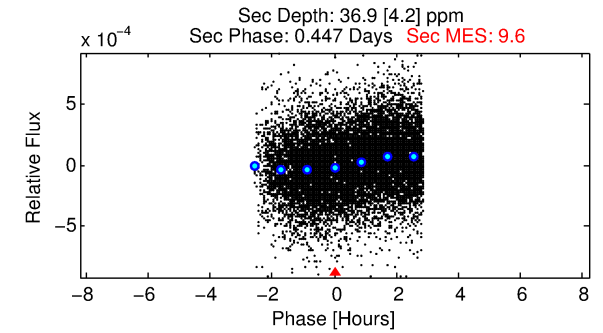
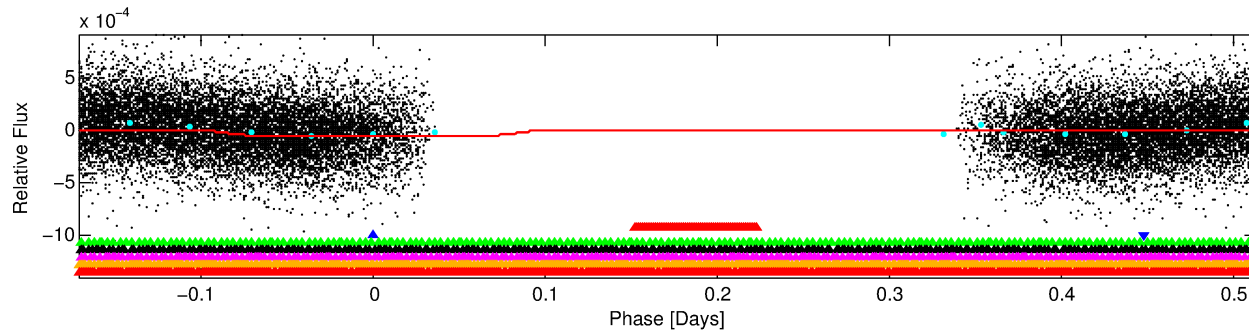
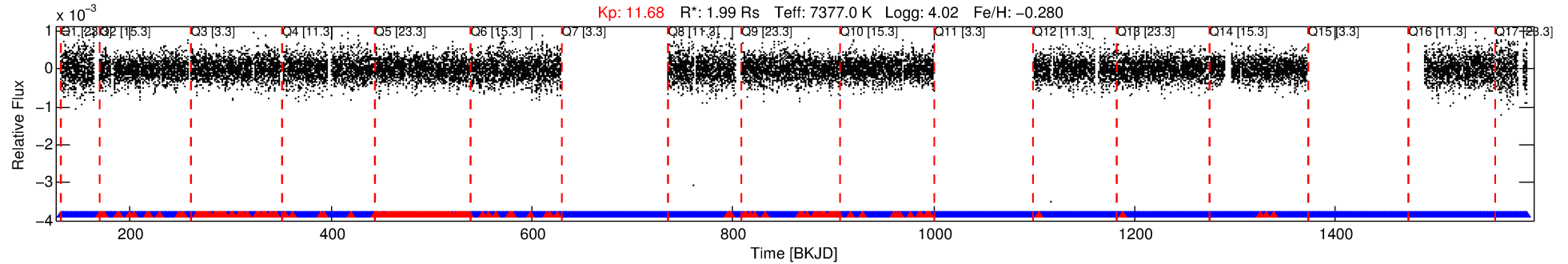
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-02

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 2 of 7 Period: 0.685 d



DV Fit Results:

Period = 0.68487 [0.00001] d
Epoch = 131.7674 [0.0055] BKJD
Rp/R* = 0.0073 [0.0034]
a/R* = 1.35 [1.66]
b = 0.32 [7.45]
Seff = 34410.74 [15132.84]
Teq = 3473 [382] K
Rp = 1.58 [0.86] Re
a = 0.0175 [0.0046] AU
Ag = 2.49 [2.54] [0.58σ]
Teffp = 6742 [1609] K [1.98σ]

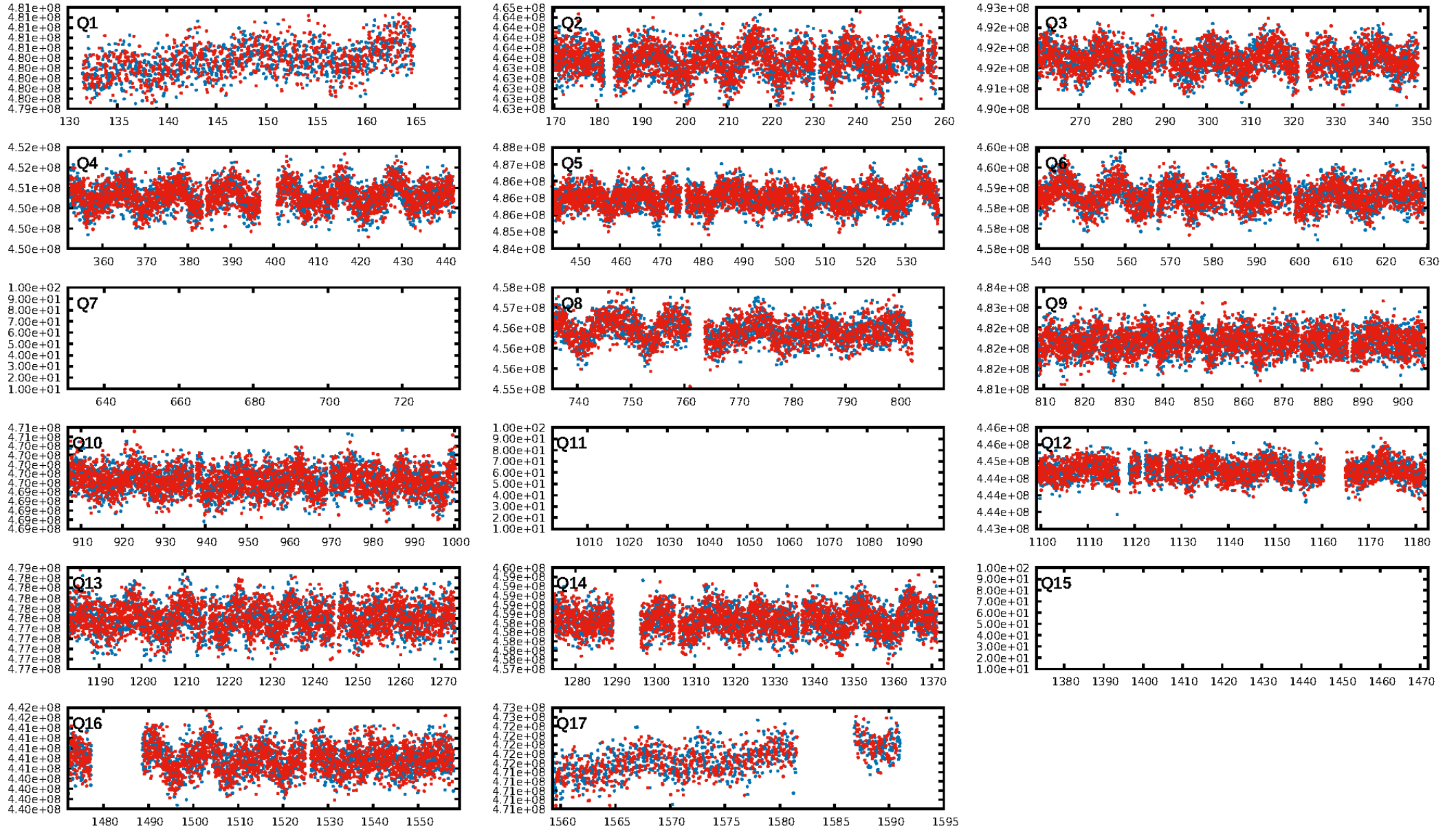
DV Diagnostic Results:

ShortPeriod-sig: 0.0% [0.00σ]
LongPeriod-sig: 100.0% [7.11σ]
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 1.81e-13
RollingBand-fgt: 0.85 [1250/1472]
GhostDiagnostic-chr: 1.408
Centroid-sig: 0.1%
Centroid-so: 0.326 arcsec [1.73σ]
OotOffset-rm: 0.208 arcsec [0.45σ]
KicOffset-rm: 0.479 arcsec [1.02σ]
OotOffset-st: 4/1/4/2 [11]
KicOffset-st: 4/1/4/2 [11]
DiffImageQuality-fgm: 0.64 [7/11]
DiffImageOverlap-fno: 0.00 [0/14]

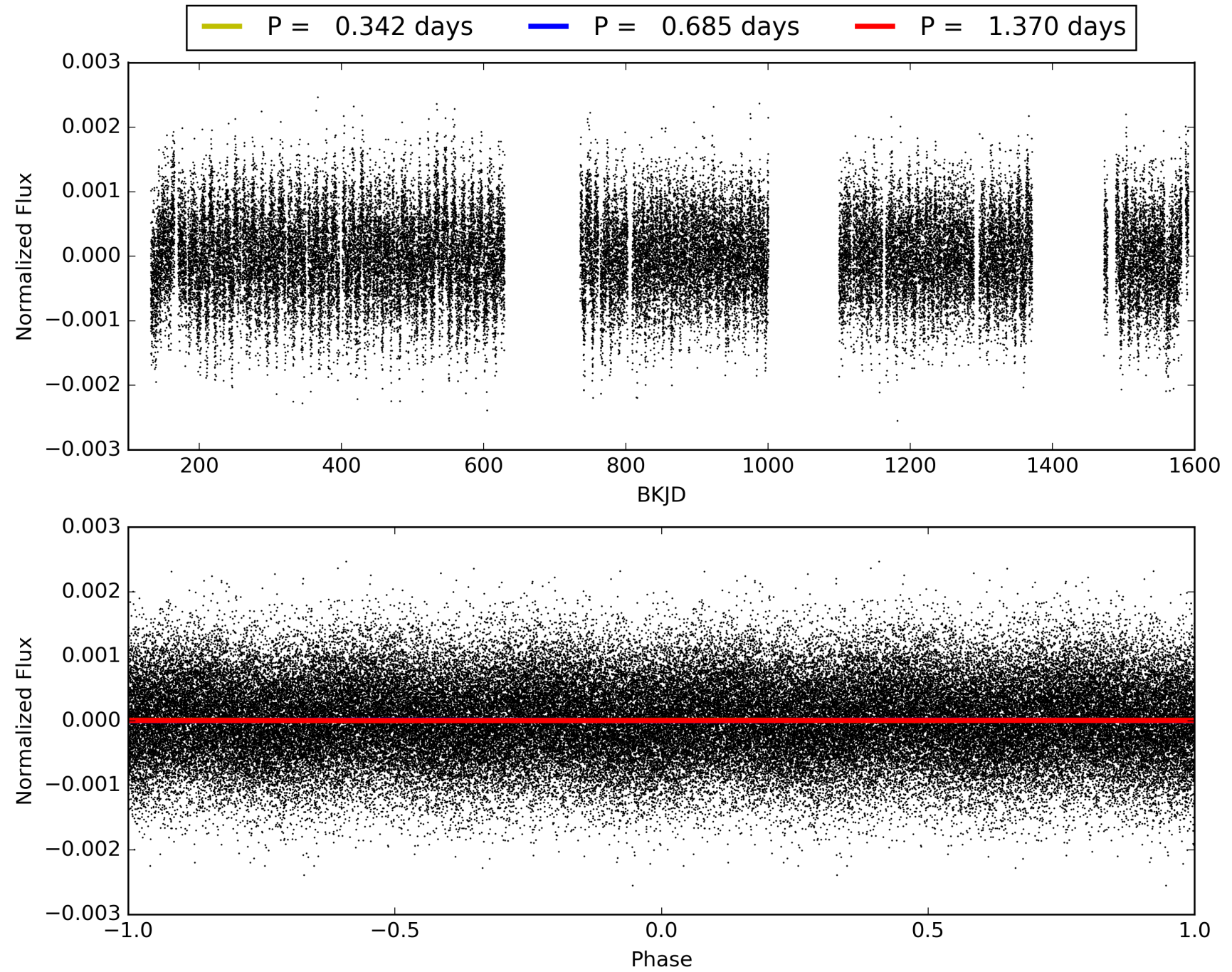
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 10:59:51 Z

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

TCE 011260307-02, PDC Light Curves

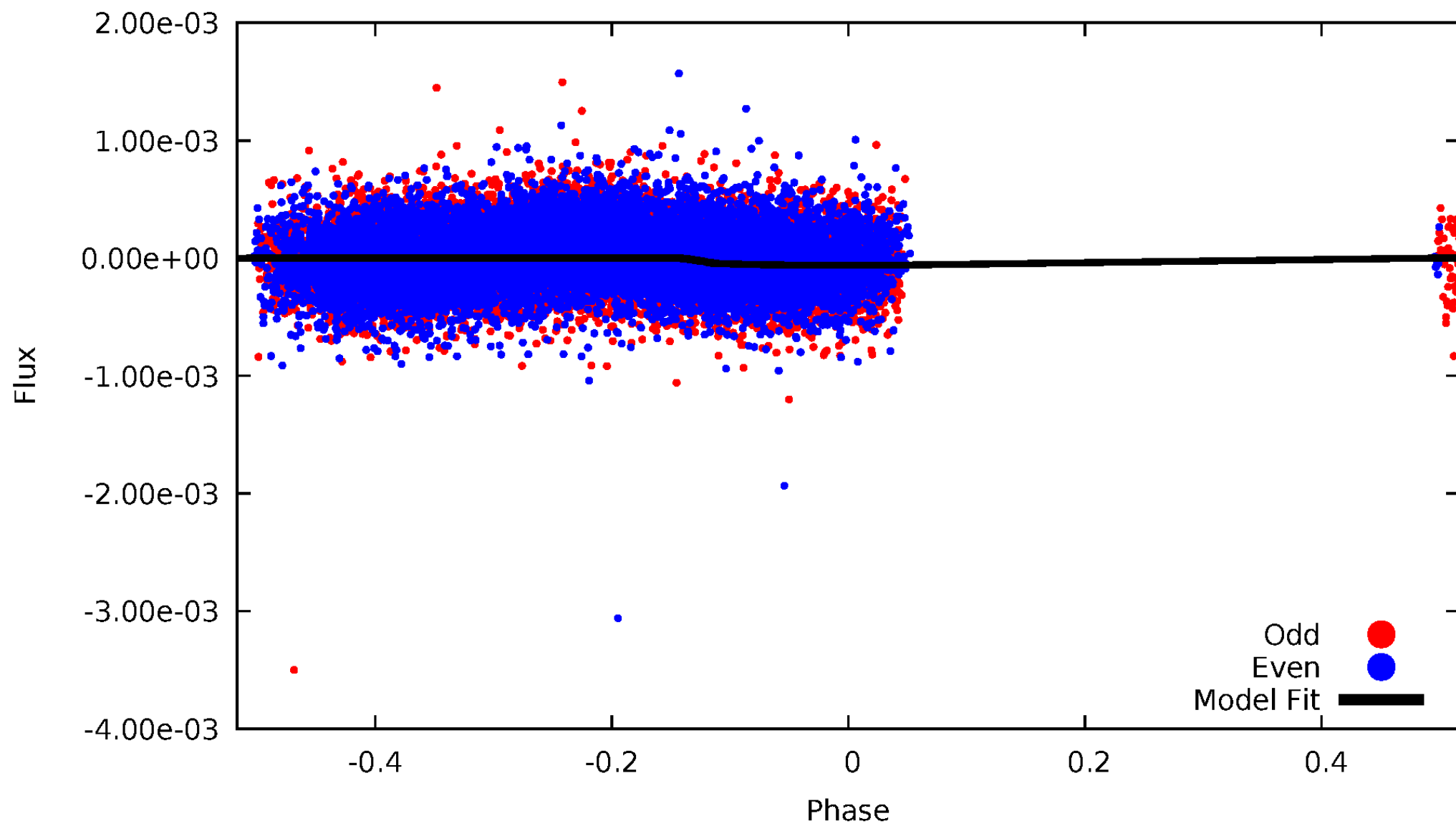


TCE 011260307-02



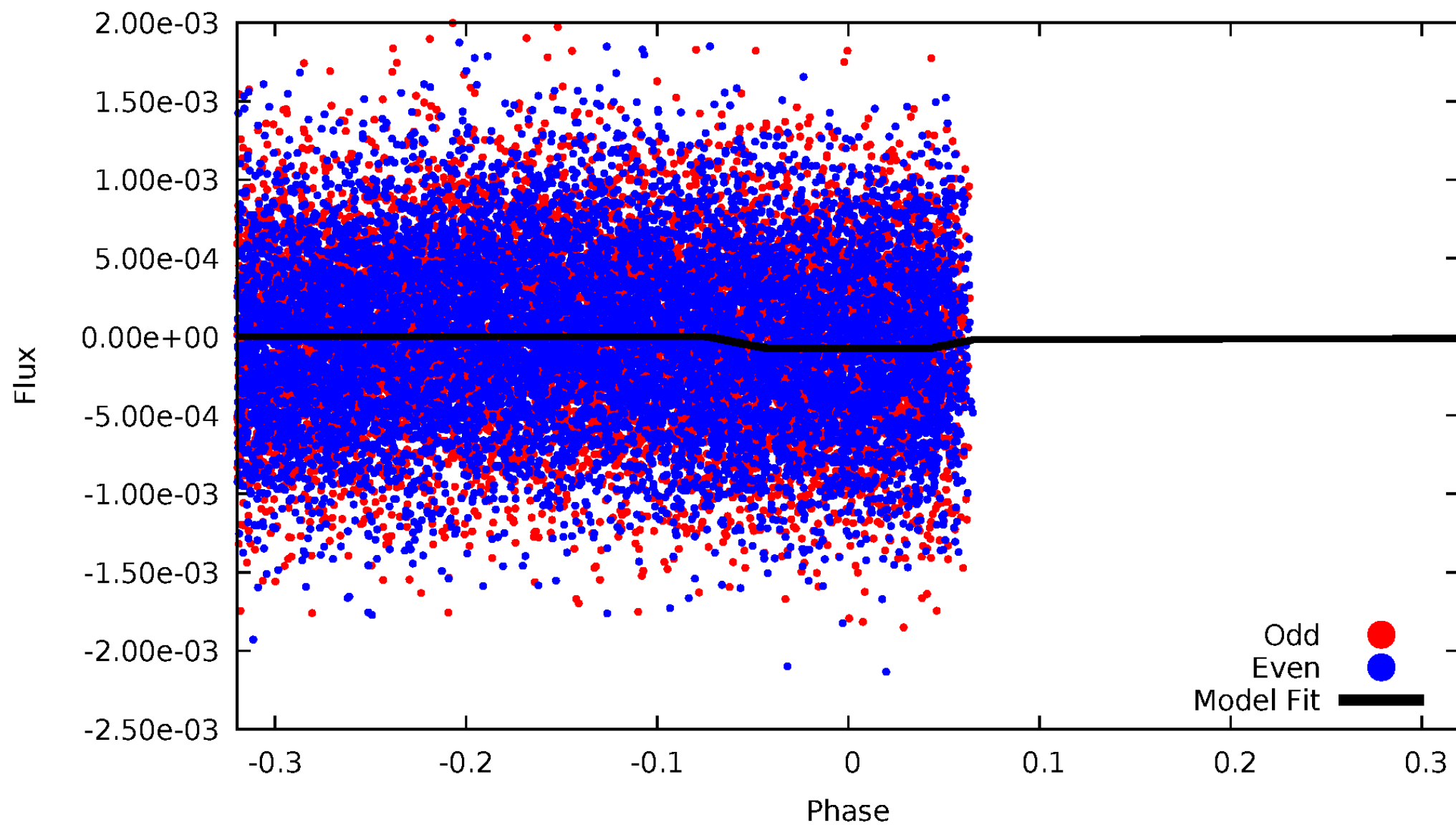
DV Odd/Even

TCE 011260307-02



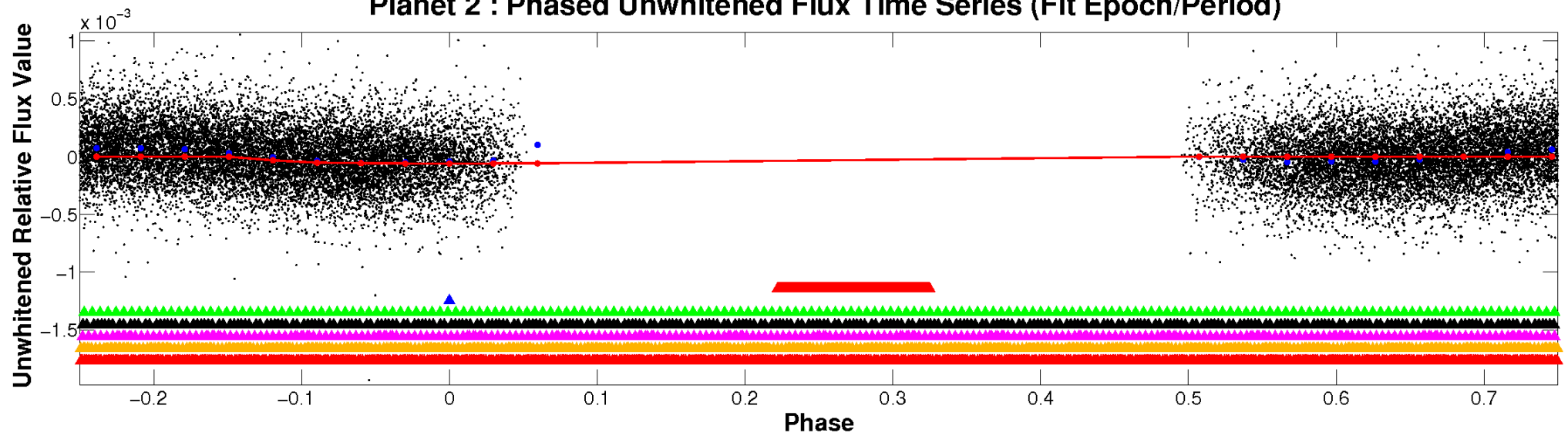
ALT Odd/Even

TCE 011260307-02

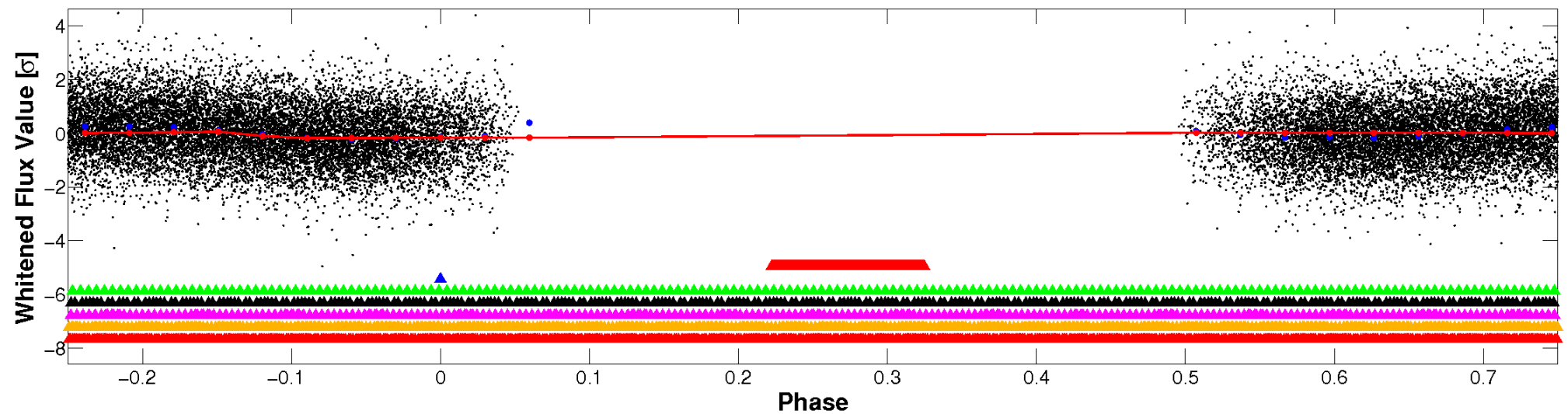


Non-Whitened Vs. Whitened Light Curve

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

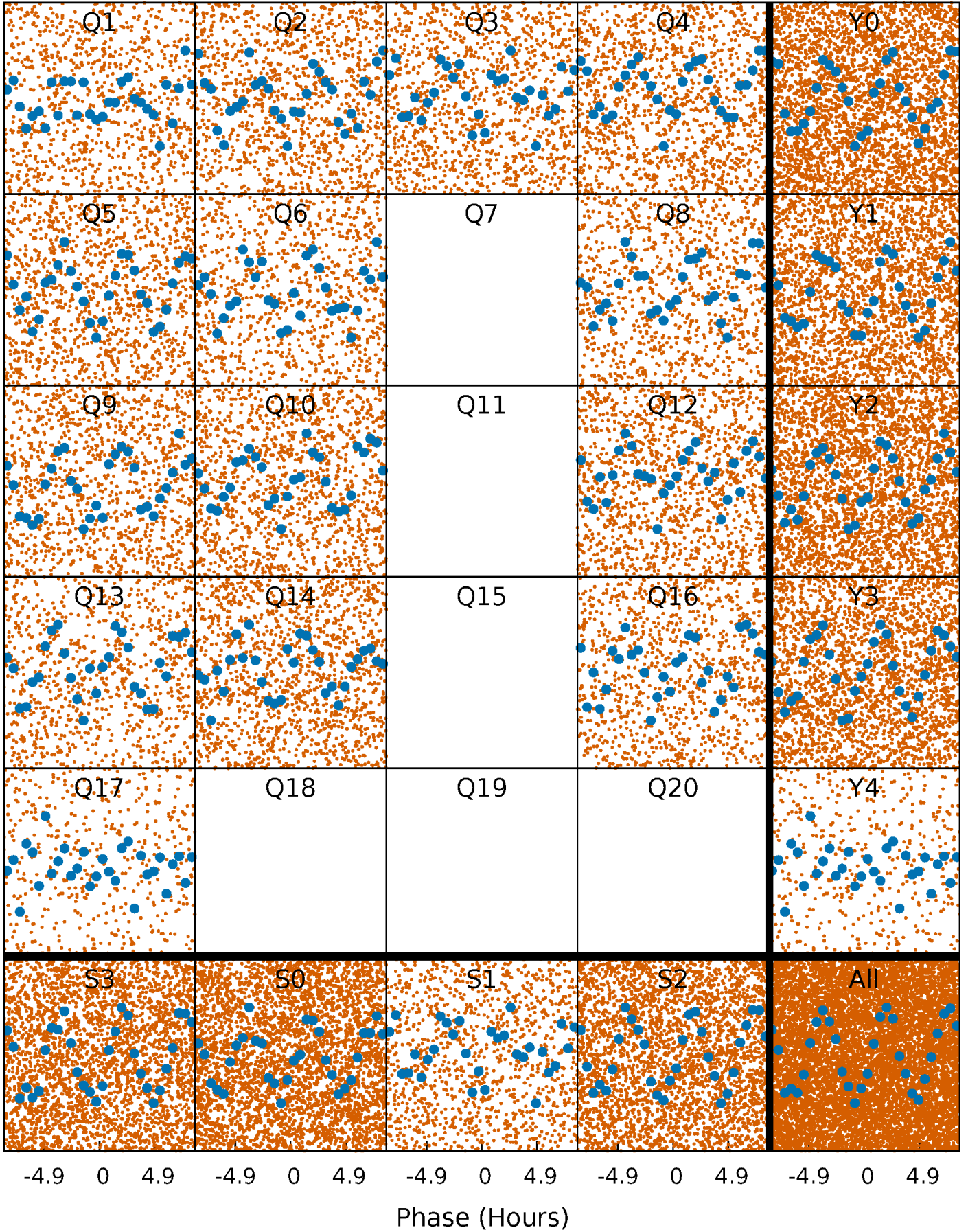


Planet 2 : Phased Whitened Flux Time Series (Fit Epoch/Period)



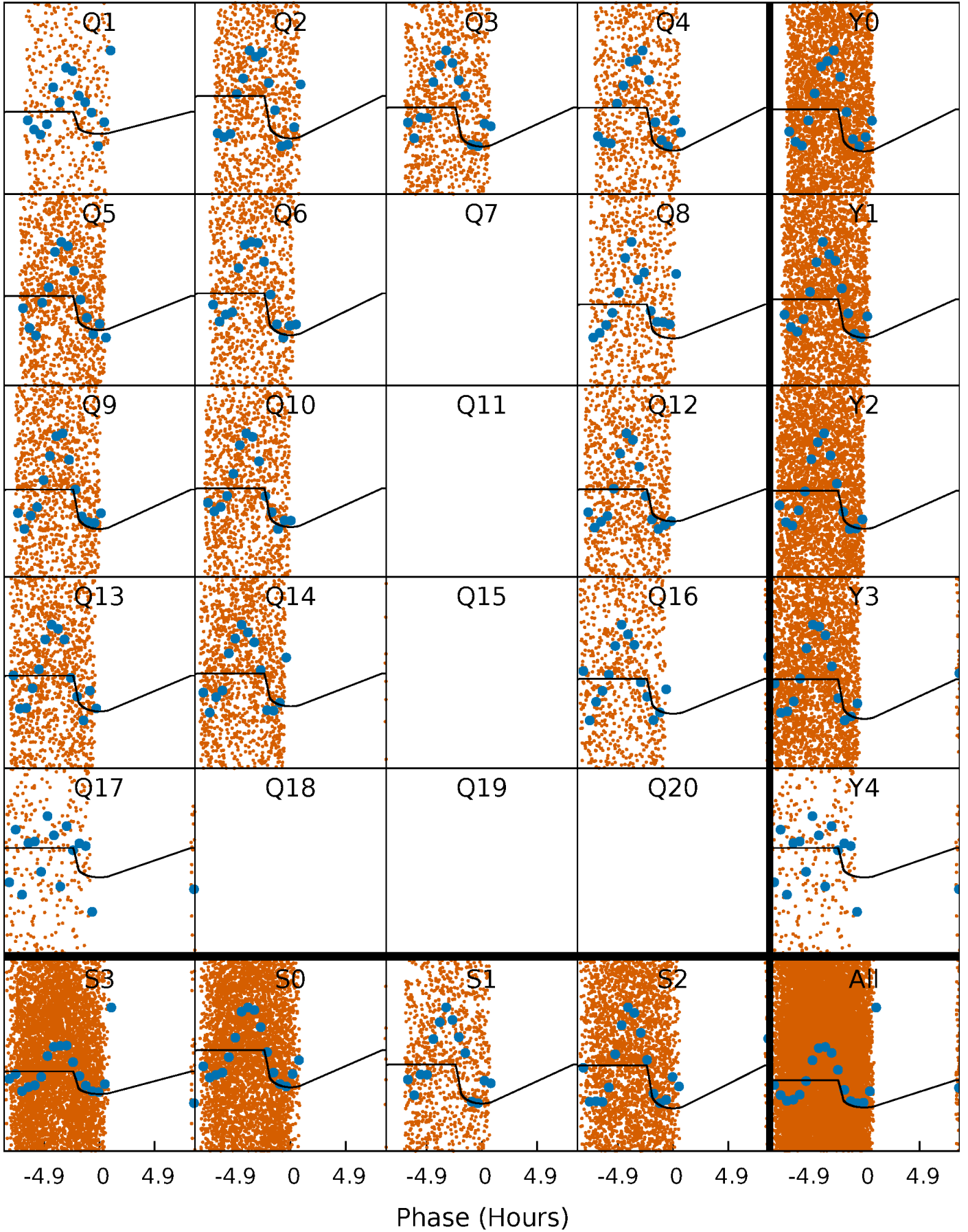
PDC Quarter-Phased Transit Curves

TCE 011260307-02 P= 0.684868 Days $T_0=131.767432$ (BKJD)



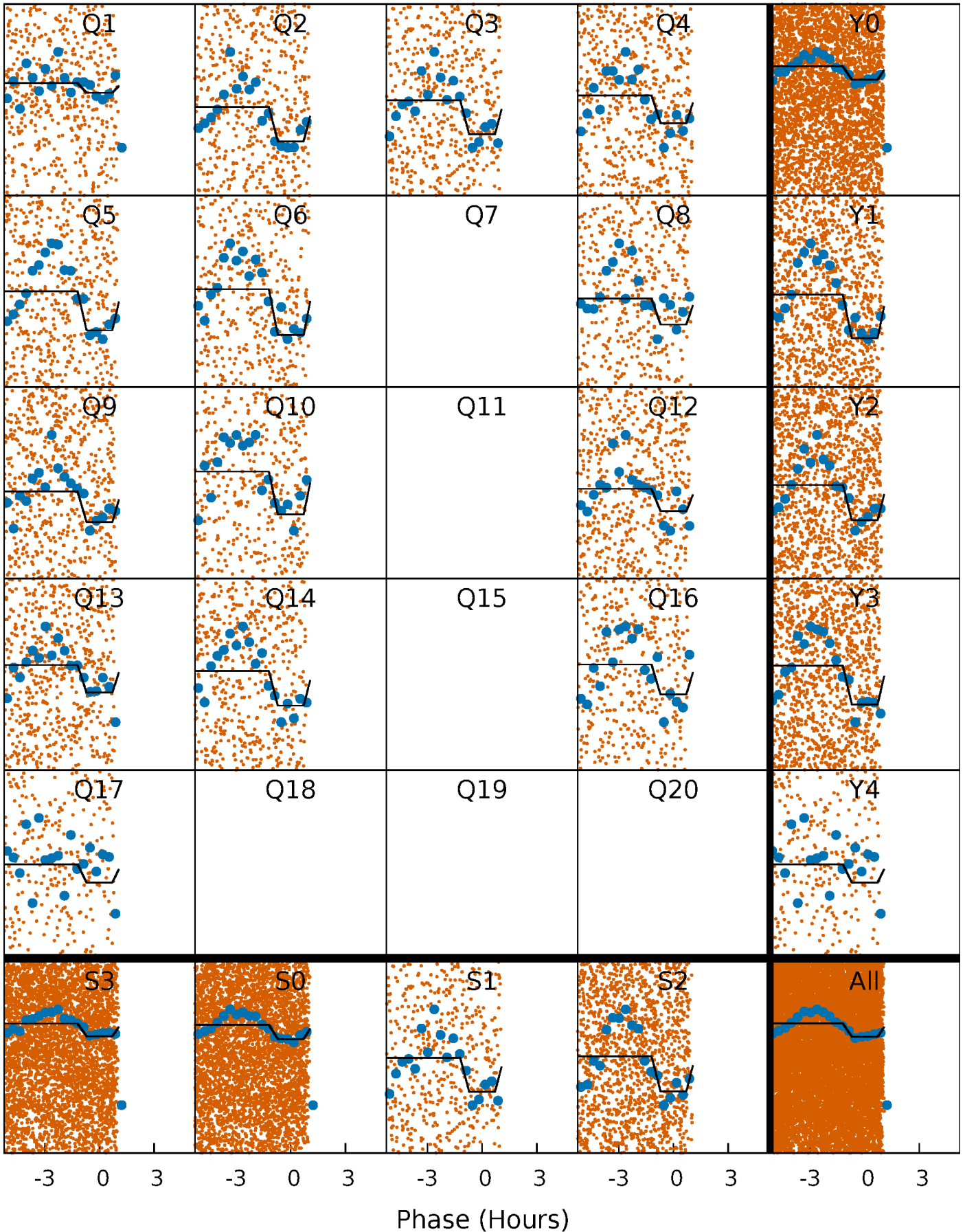
DV Quarter-Phased Transit Curves

TCE 011260307-02 P= 0.684868 Days $T_0=131.767432$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

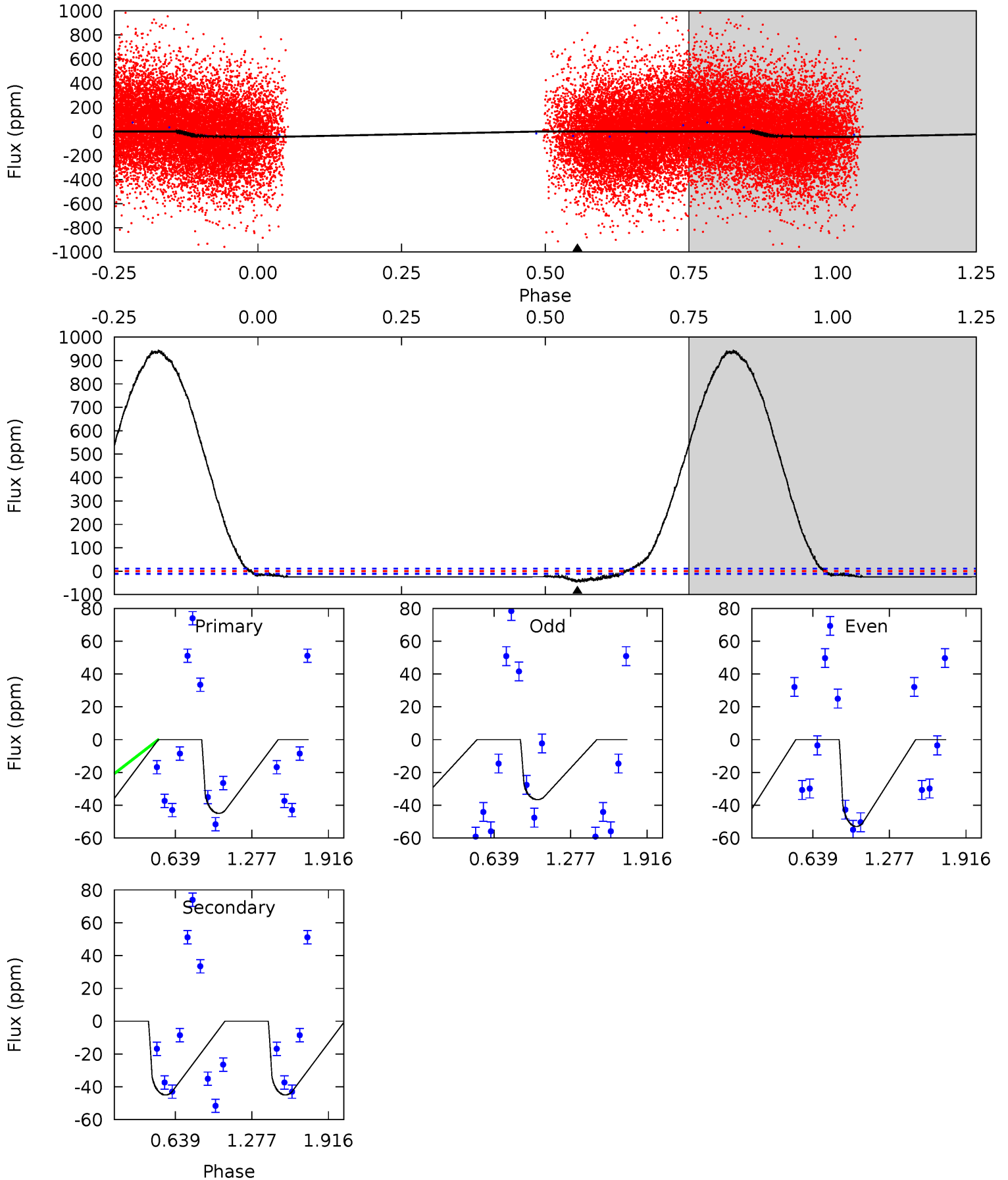
TCE 011260307-02 P= 0.684841 Days $T_0=131.758955$ (BKJD)



DV Model-Shift Uniqueness Test

011260307-02, P = 0.684868 Days, E = 131.082564 Days

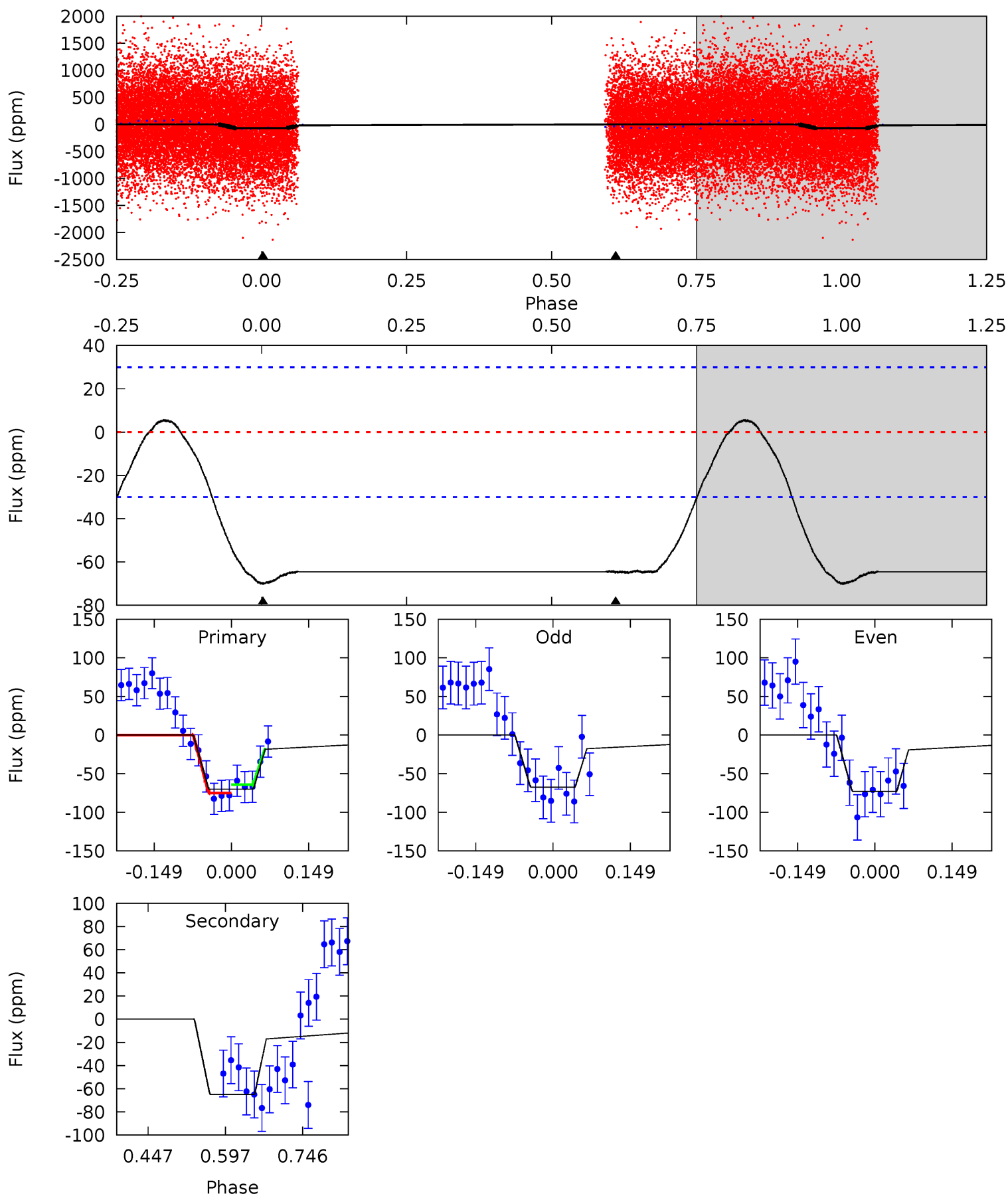
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
16.7	16.7	0	0	4.16	0.47	13.6	16.7	16.7	16.7	16.7	3.13	1.00	0.95	2.53



Alt Model-Shift Uniqueness Test

011260307-02, P = 0.684841 Days, E = 131.074114 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
10.5	9.72	0	0	4.48	1.44	1.37	10.5	10.5	9.72	9.72	0.41	0.95	0.07	0.79



Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-02 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-45 ± 3	$1.54^{+0.83}_{-0.71}$	4804^{+388}_{-386}	6735^{+3182}_{-1326}	$3.156^{+7.110}_{-1.826}$
Alt.	-65 ± 7	$1.75^{+0.84}_{-0.71}$	4768^{+394}_{-373}	6898^{+2777}_{-1240}	$3.488^{+6.415}_{-1.886}$

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 $A_{obs} \gg 1.0$

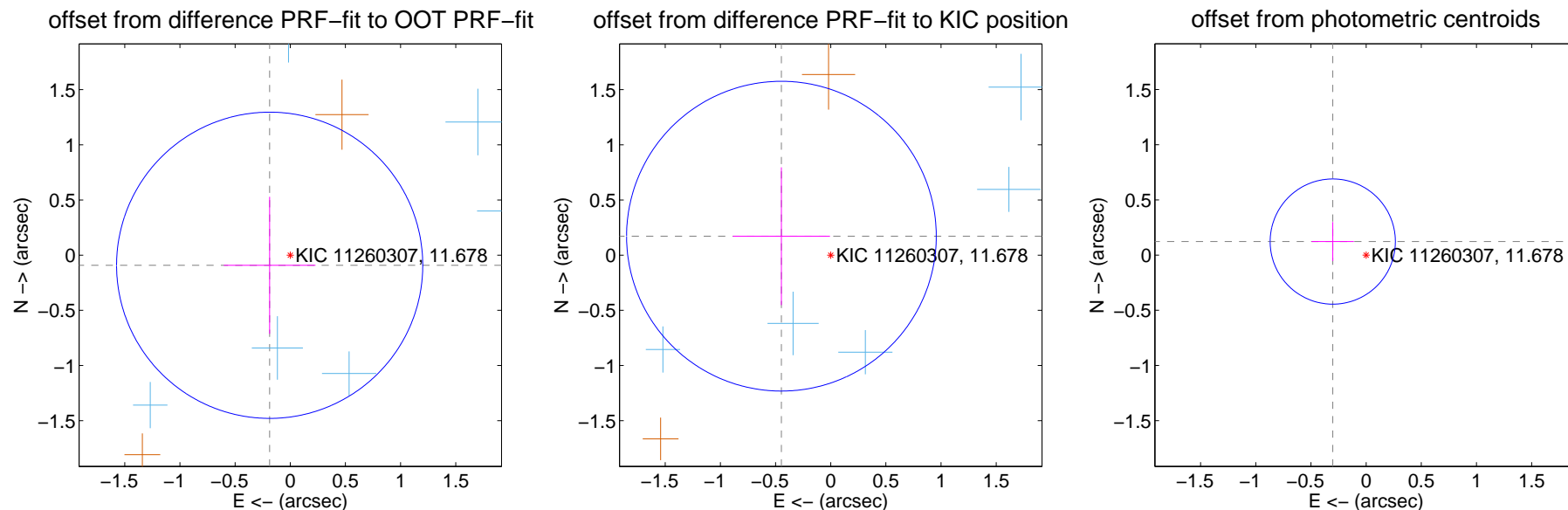
DV Centroid Data

Supplemental centroid analysis for 011260307-02. **Kepler magnitude: 11.68.** Transit SNR 13.85

There are 7 quarters with good PRF difference image offsets

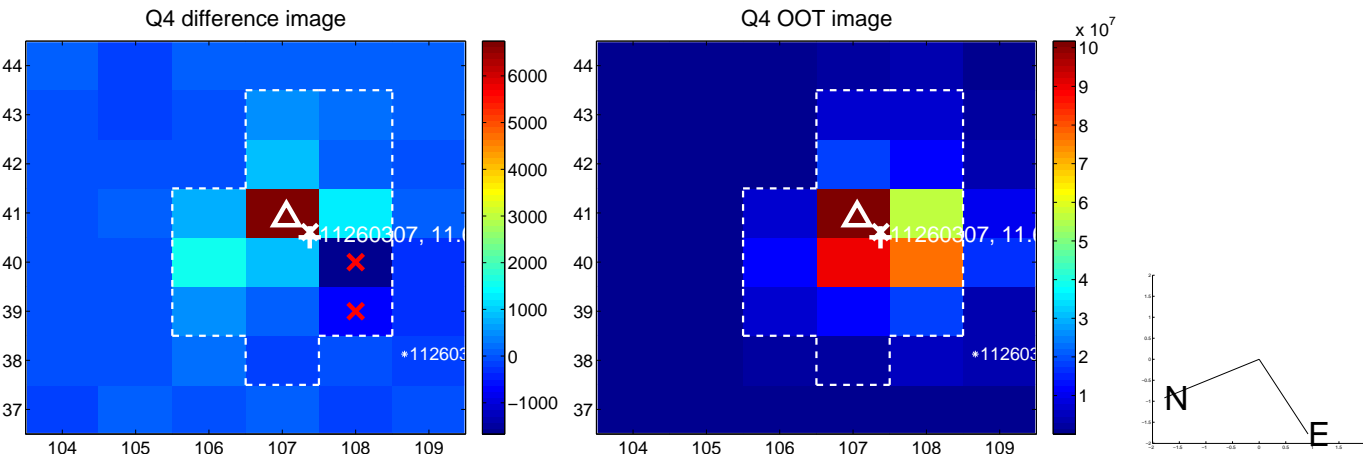
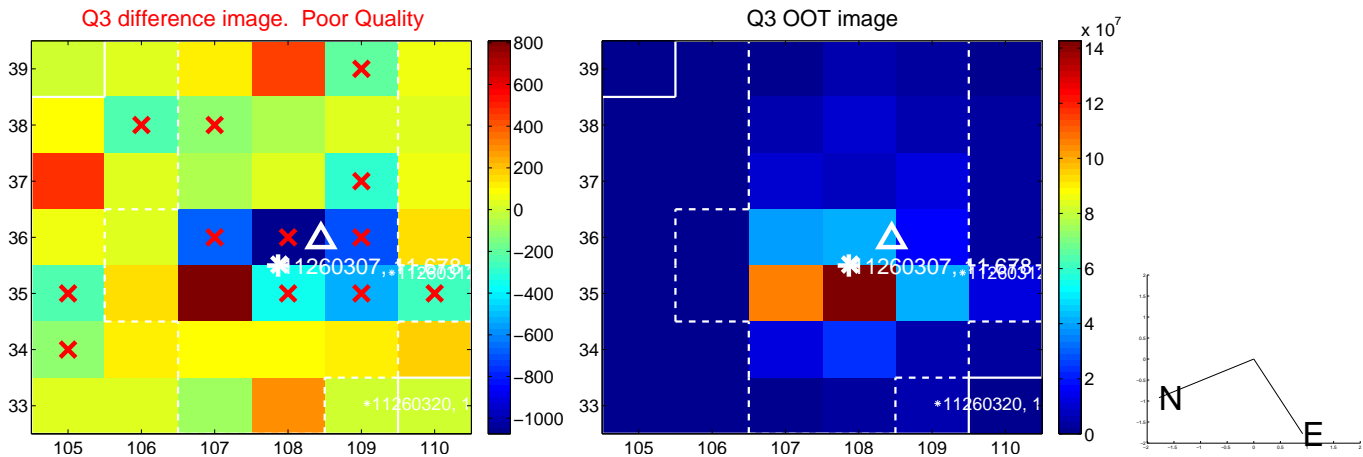
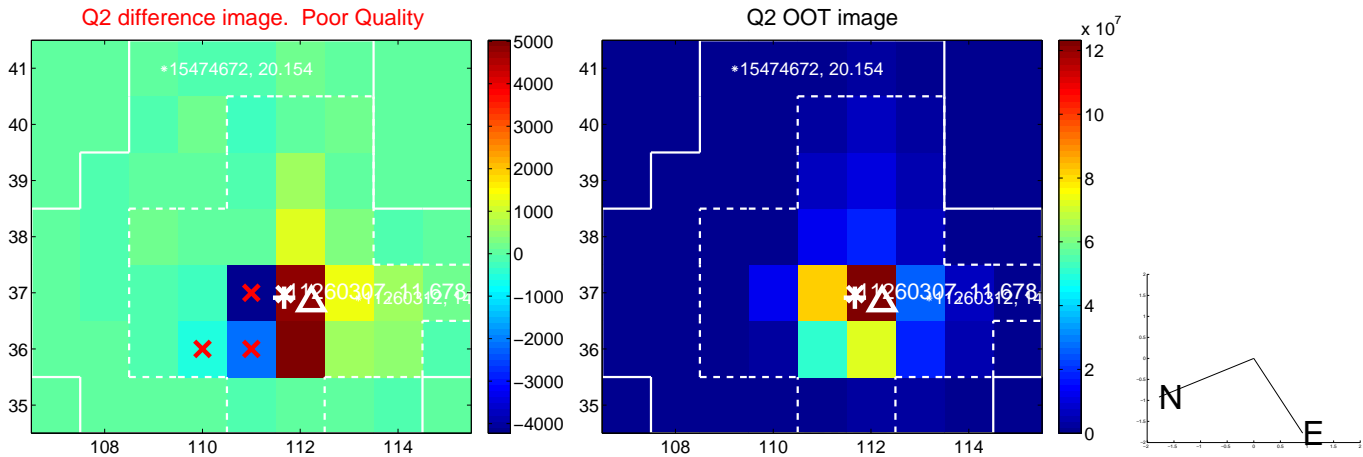
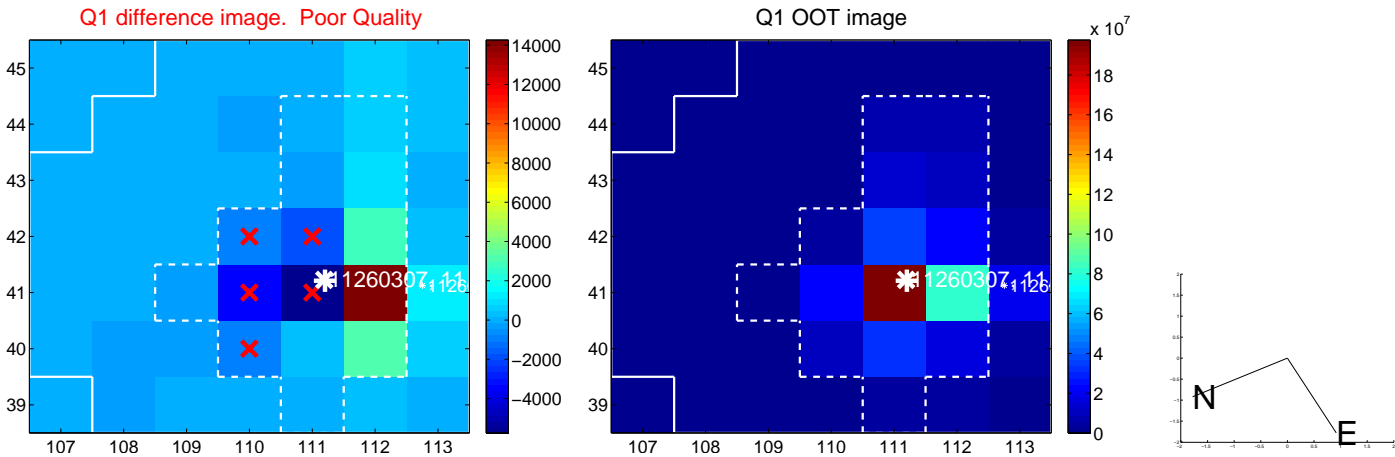
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.208 ± 0.462	0.45	0.187 ± 0.415	-0.092 ± 0.621
PRF-fit source offset from KIC position	0.479 ± 0.468	1.02	0.447 ± 0.440	0.172 ± 0.624
photometric centroid source offset	0.33 ± 0.19	1.73	0.30 ± 0.19	0.12 ± 0.18

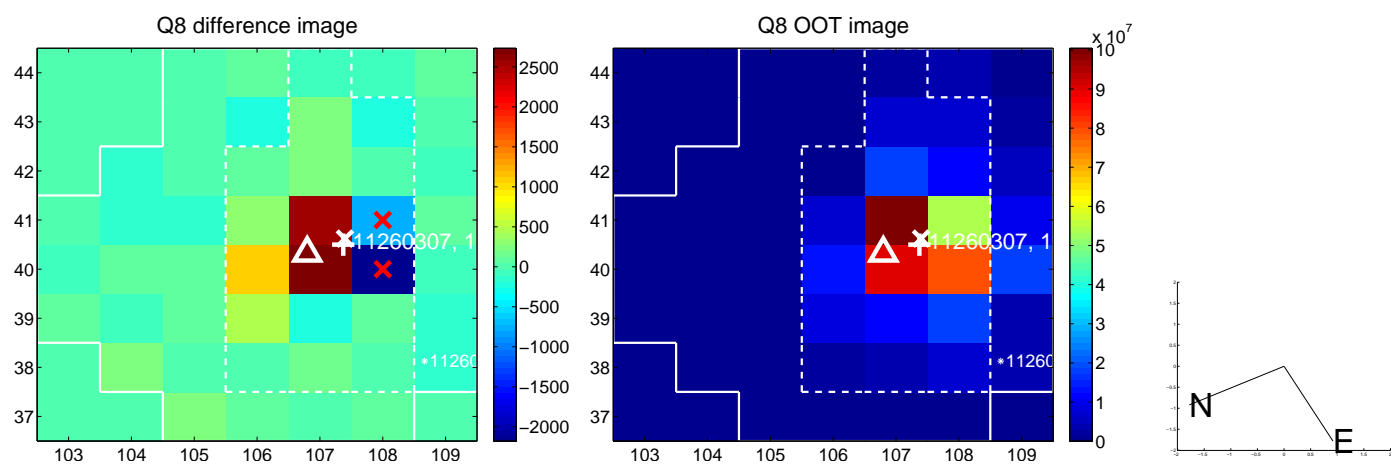
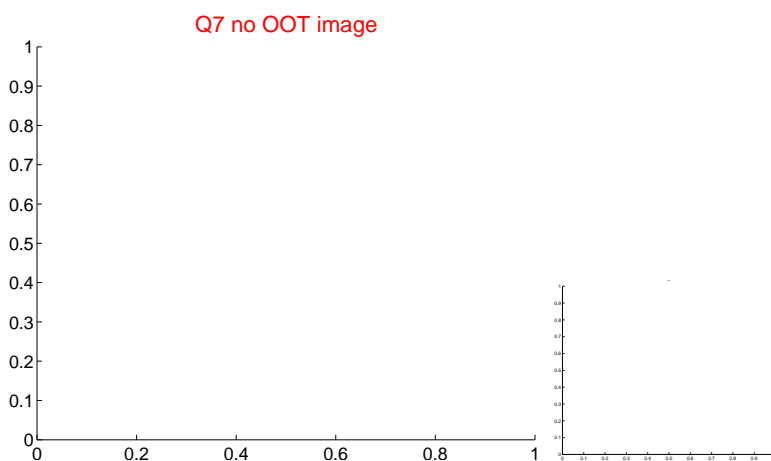
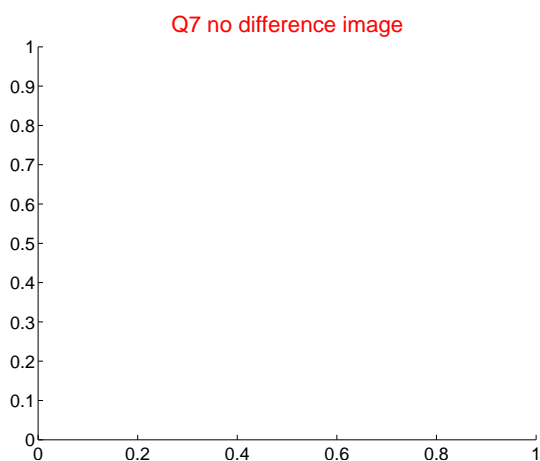
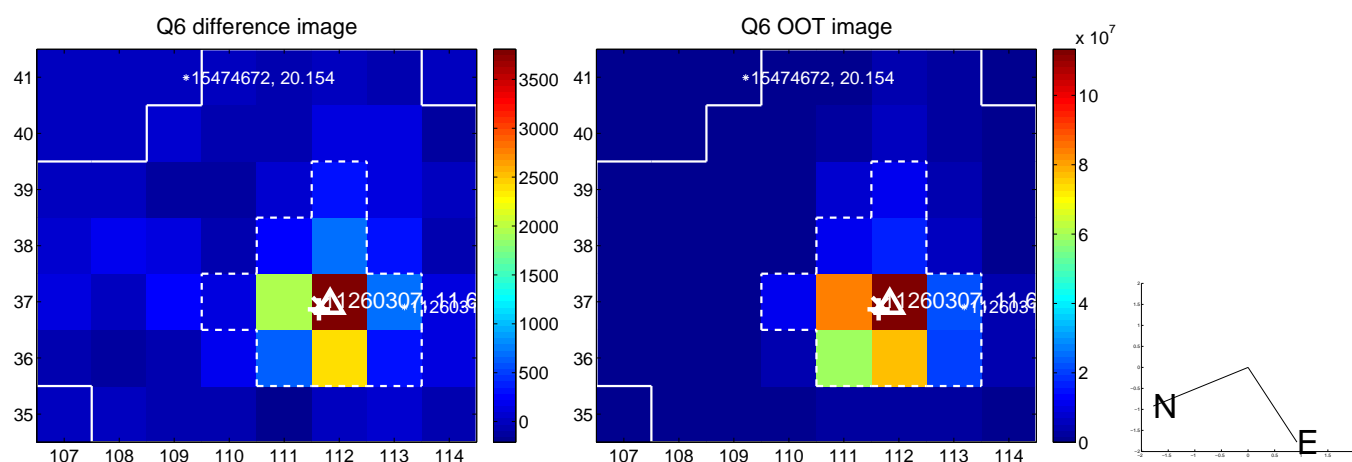
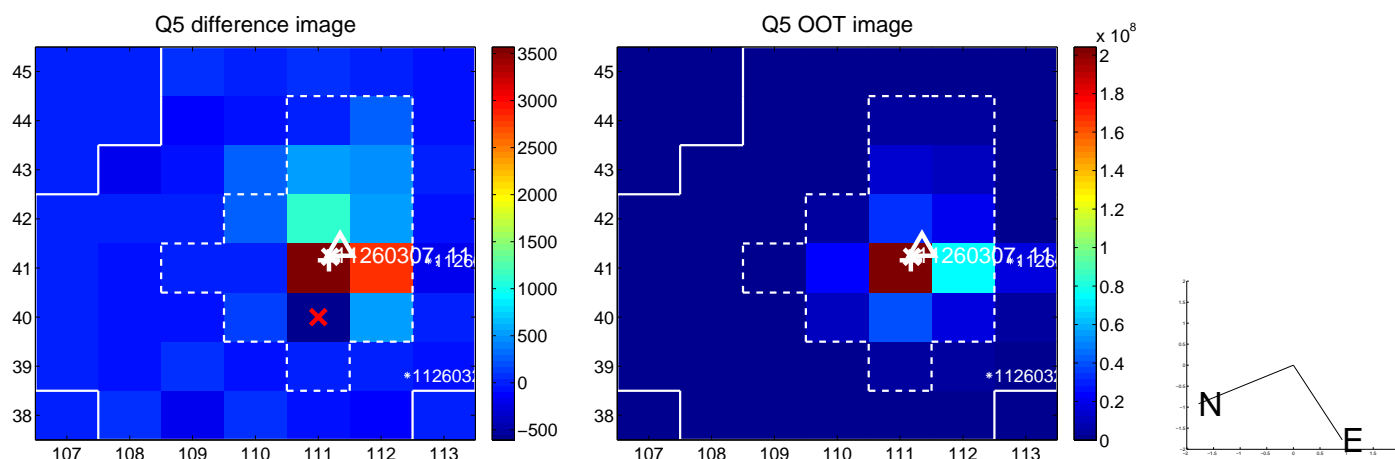


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

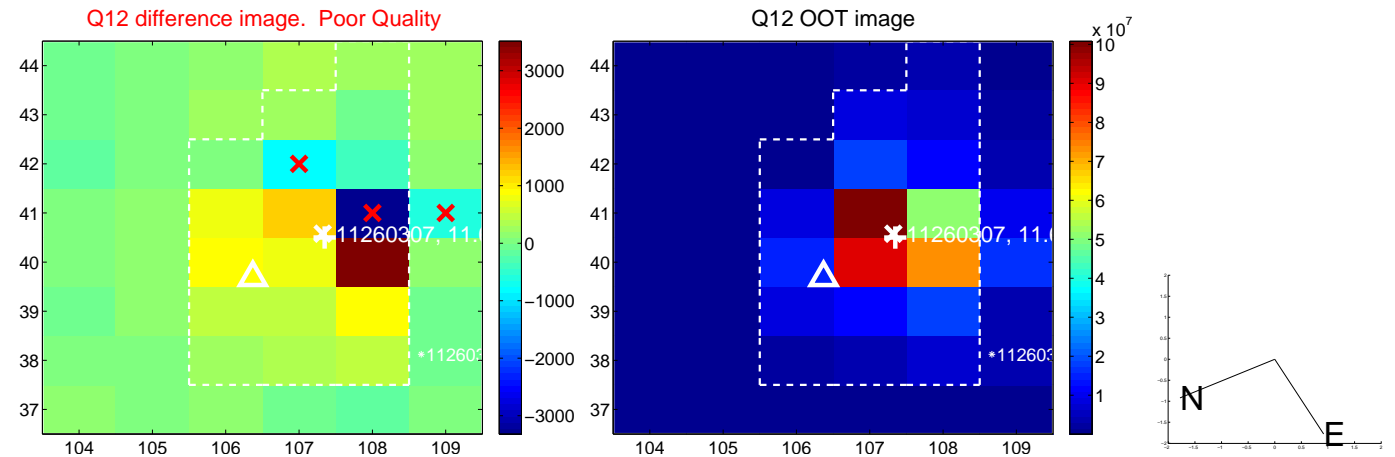
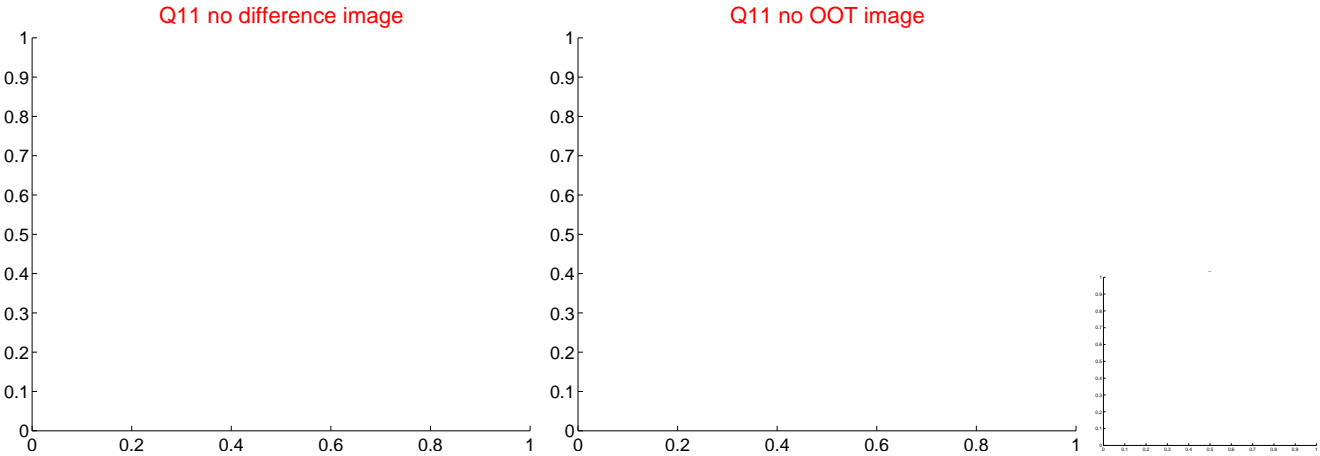
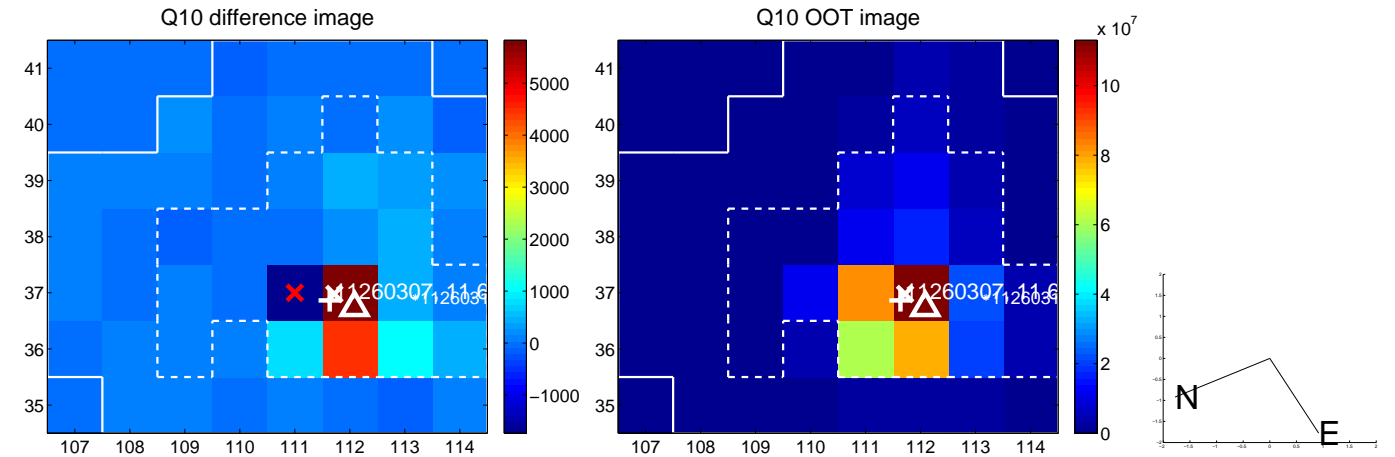
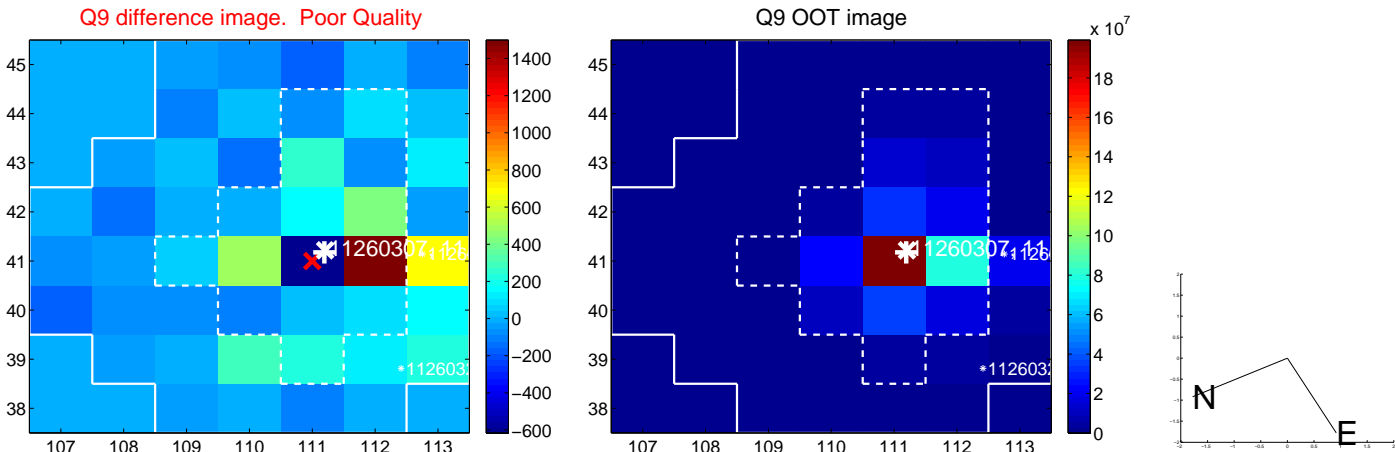
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



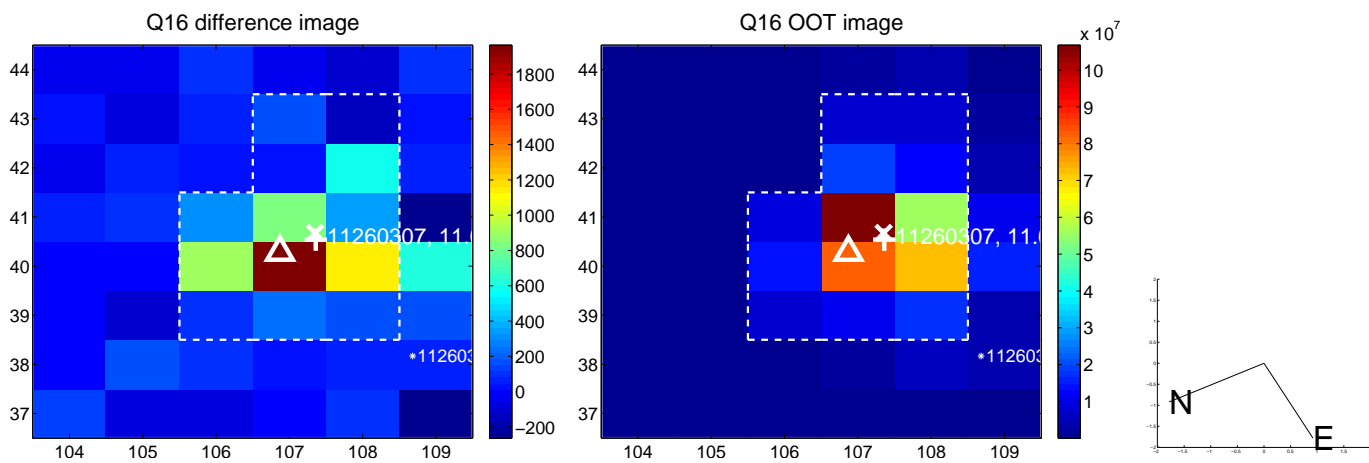
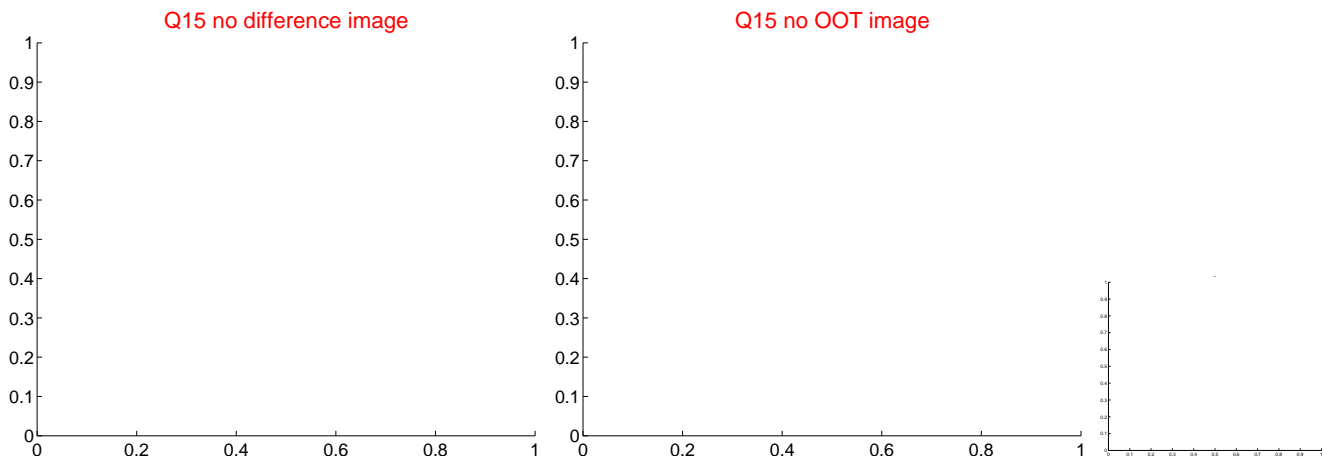
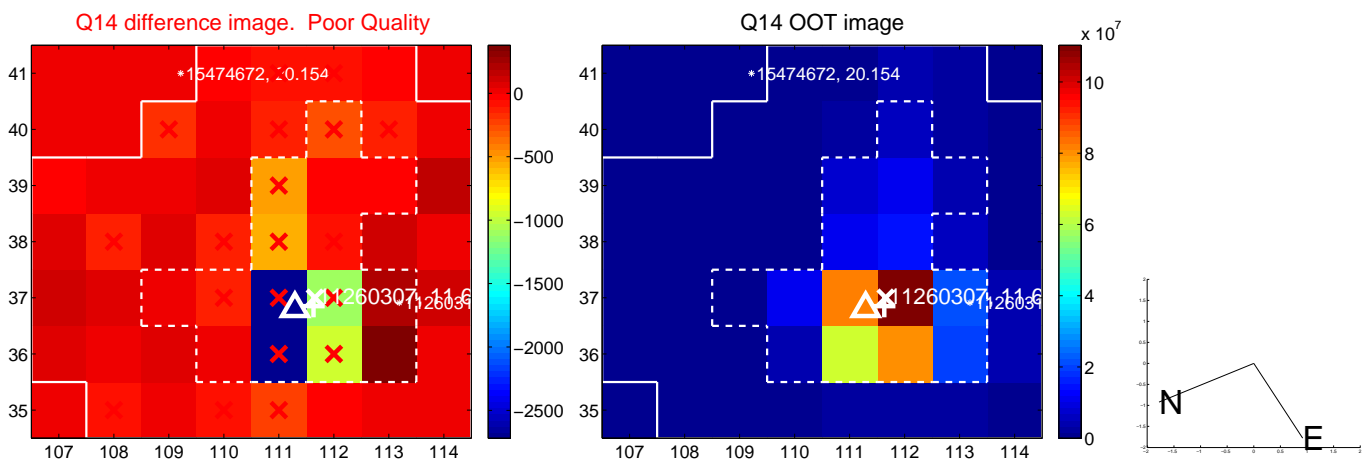
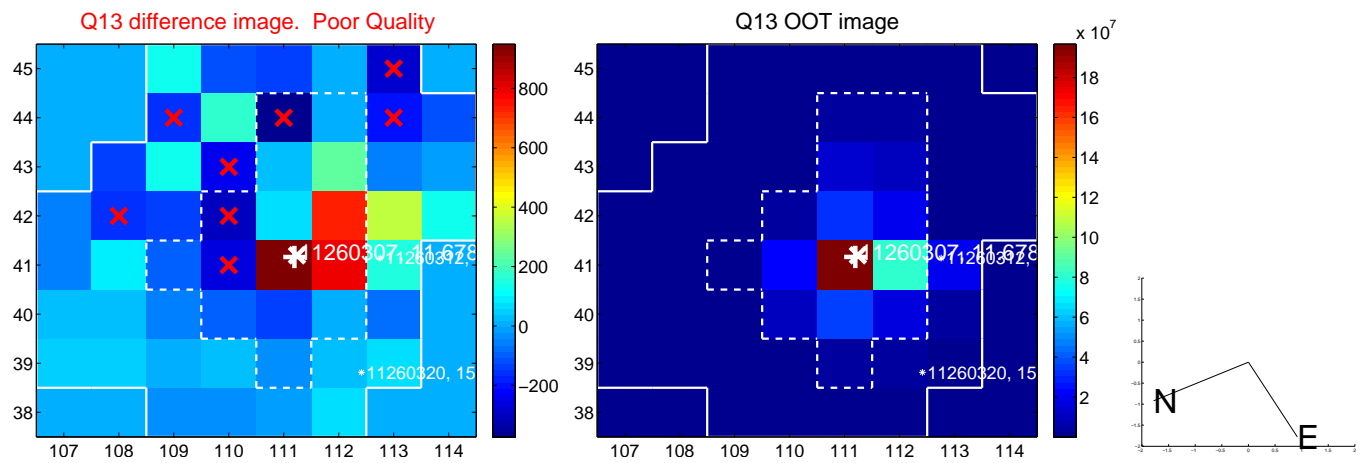
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



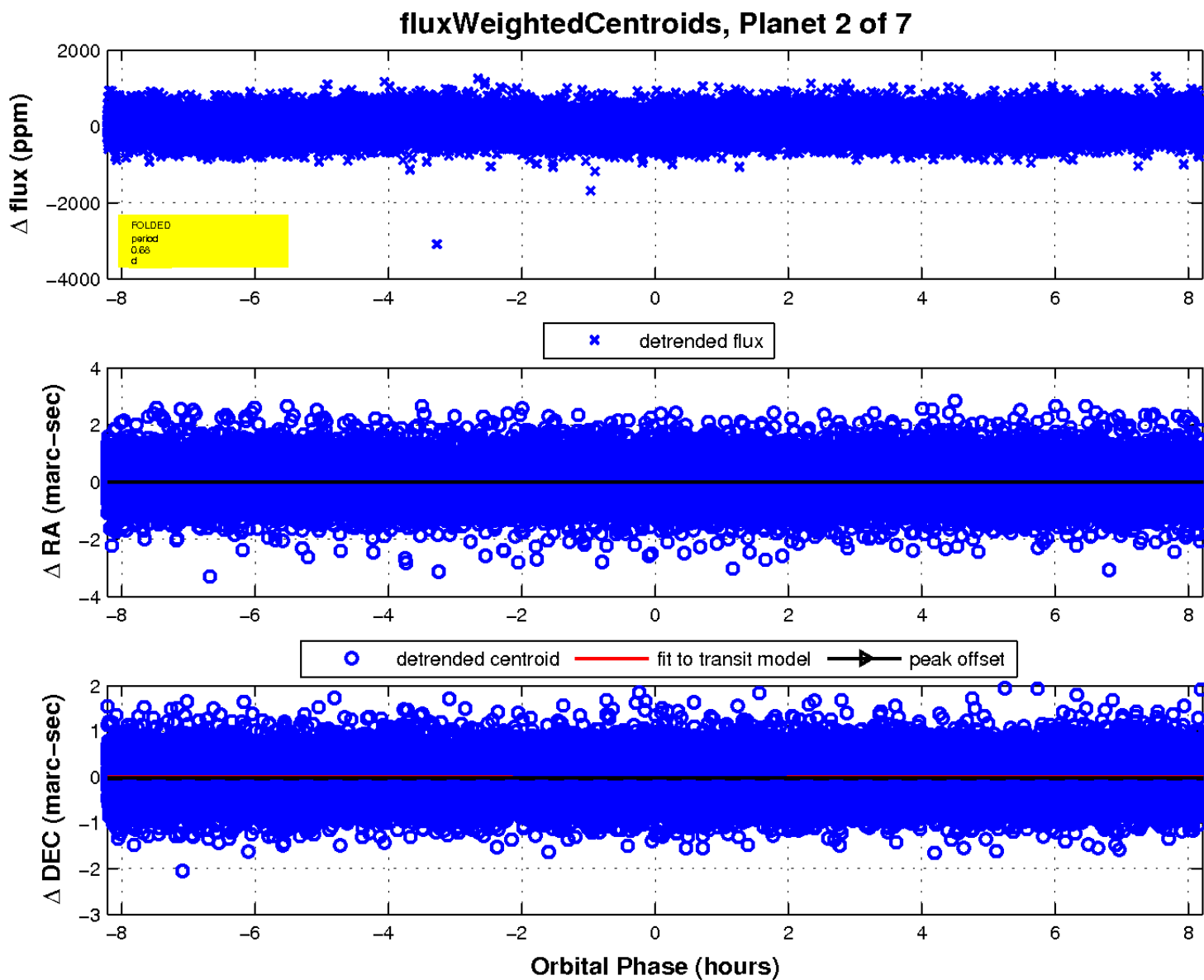
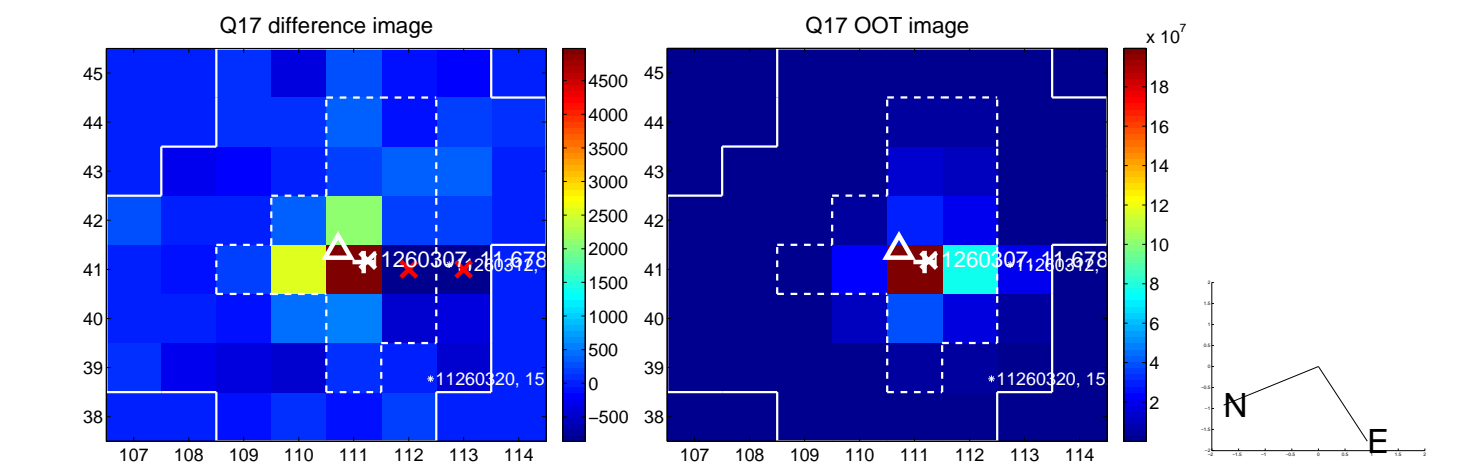
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



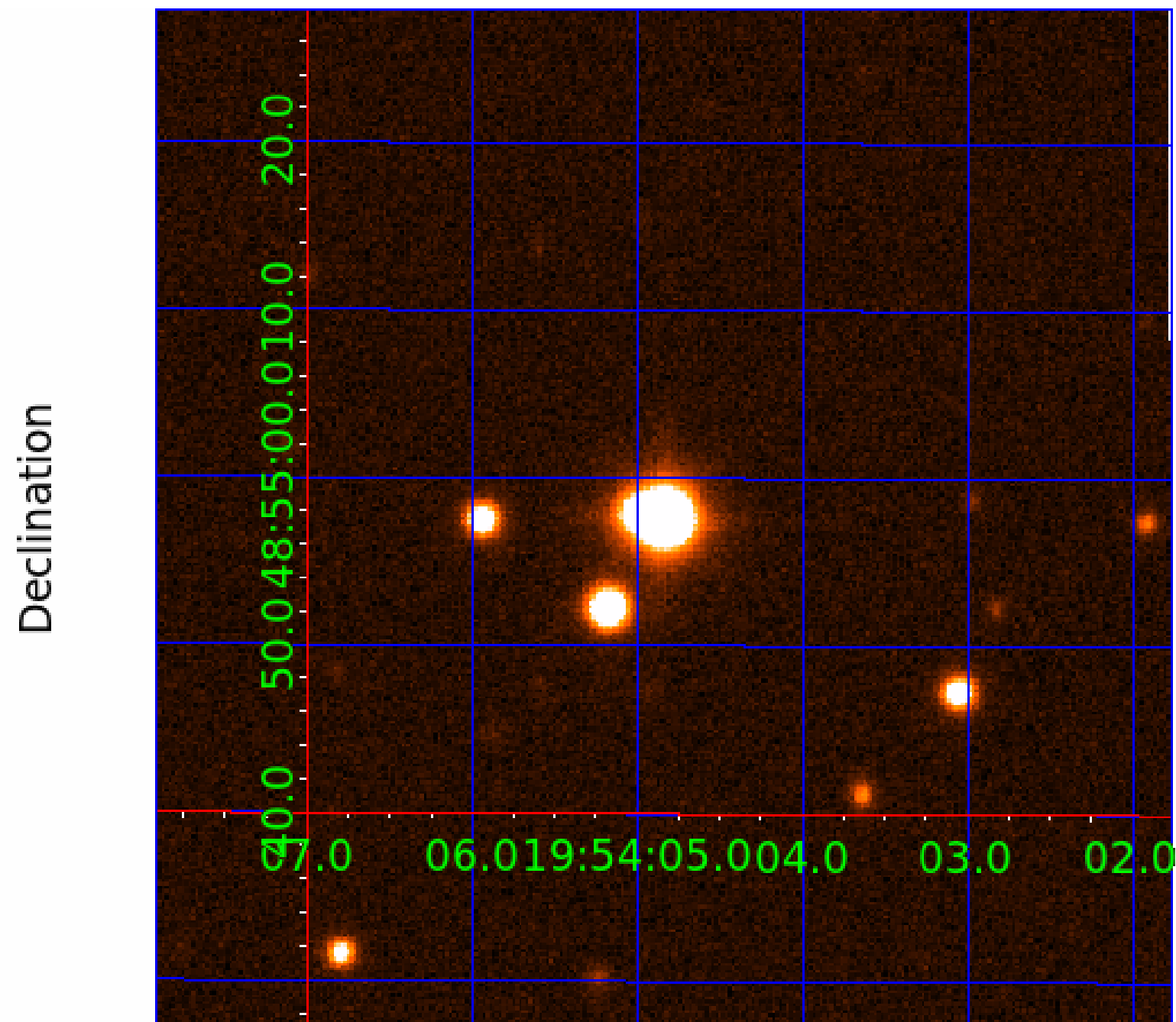
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 011260307

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})
011260307-01	OBS	No	0.684835	131.989925	66.8	2.816	14.4	16.6	1.99	7377	1.89	34412.96
011260307-02	OBS	No	0.684868	131.767432	60.3	4.246	14.0	13.8	1.99	7377	1.58	34410.74
011260307-03	OBS	No	4.317965	133.517470	307.8	1.414	10.3	10.0	1.99	7377	3.57	2954.37
011260307-04	OBS	No	4.560095	131.841772	223.2	1.493	9.9	7.8	1.99	7377	3.80	2747.08
011260307-05	OBS	No	4.915101	134.916809	310.3	1.328	9.8	8.2	1.99	7377	3.59	2485.76
011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011260307-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

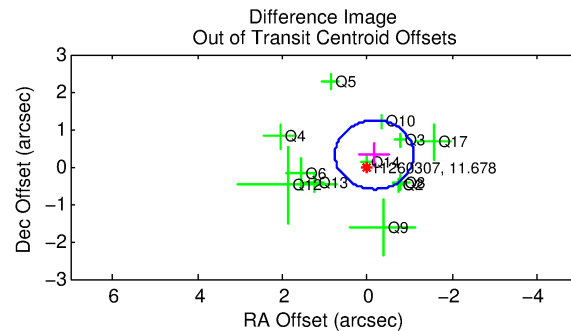
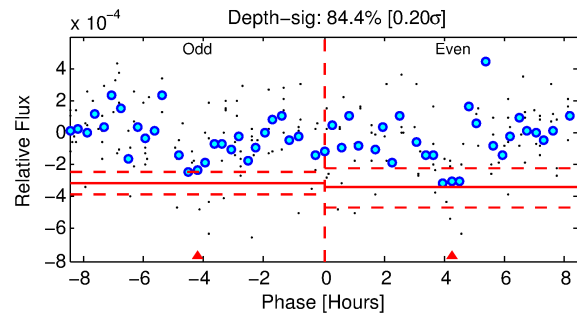
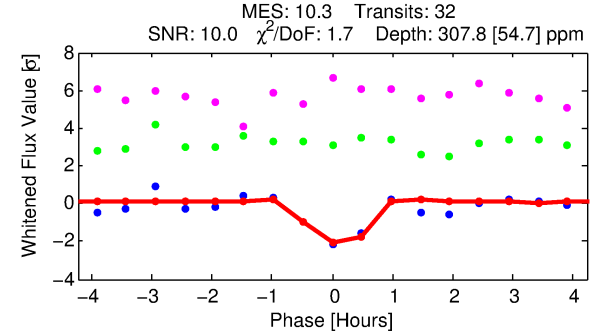
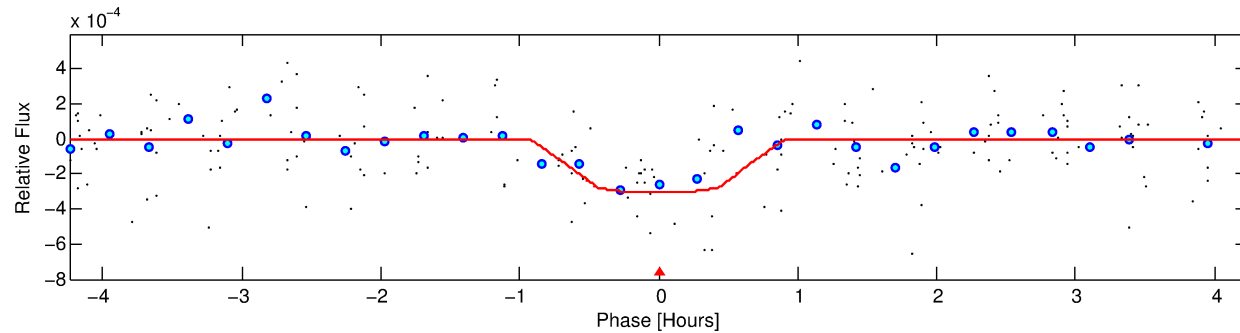
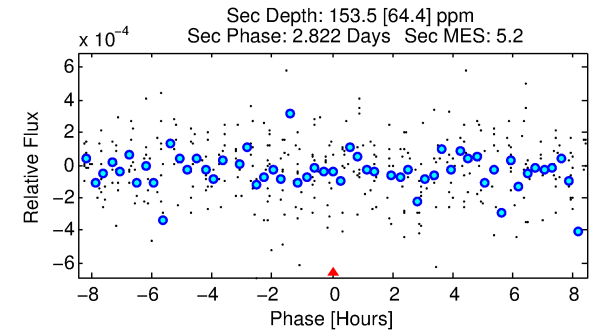
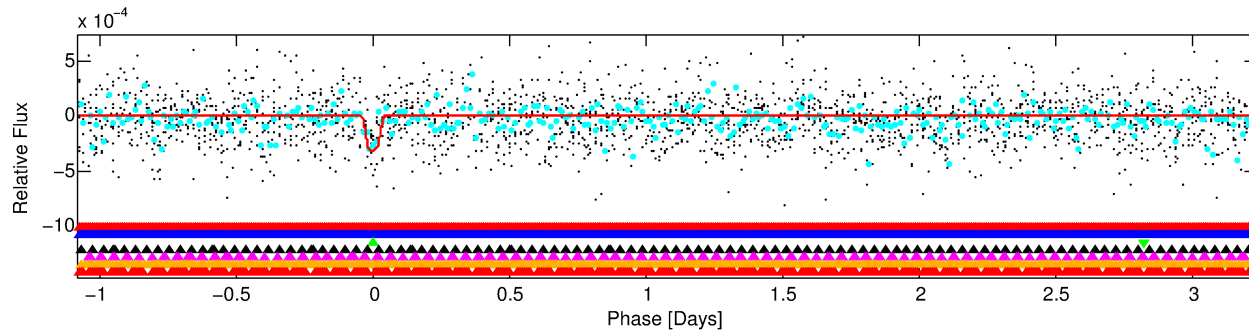
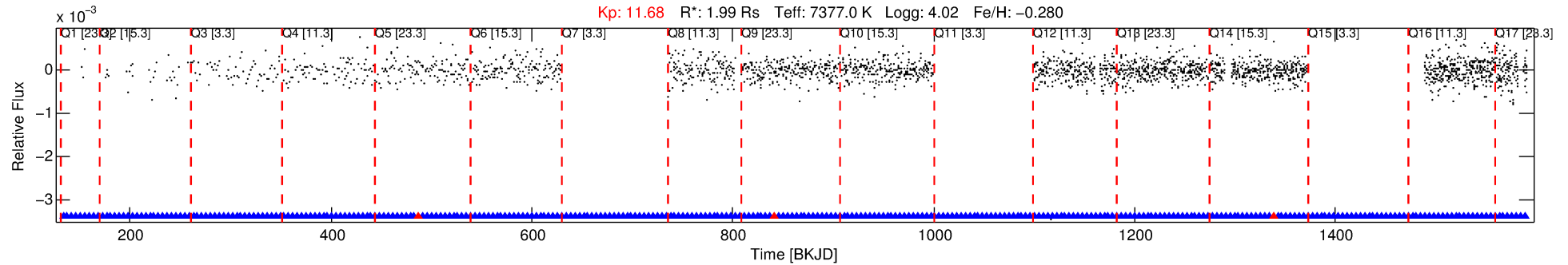
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-03

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 3 of 7 Period: 4.318 d



DV Fit Results:

Period = 4.31796 [0.00003] d
Epoch = 133.5175 [0.0048] BKJD
Rp/R* = 0.0165 [0.0178]
a/R* = 22.67 [144.00]
b = 0.30 [19.38]
Seff = 2954.37 [1299.24]
Teq = 1880 [207] K
Rp = 3.57 [4.00] Re
a = 0.0596 [0.0156] AU
Ag = 23.53 [52.78] [0.43σ]
Teffp = 6401 [3541] K [1.27σ]

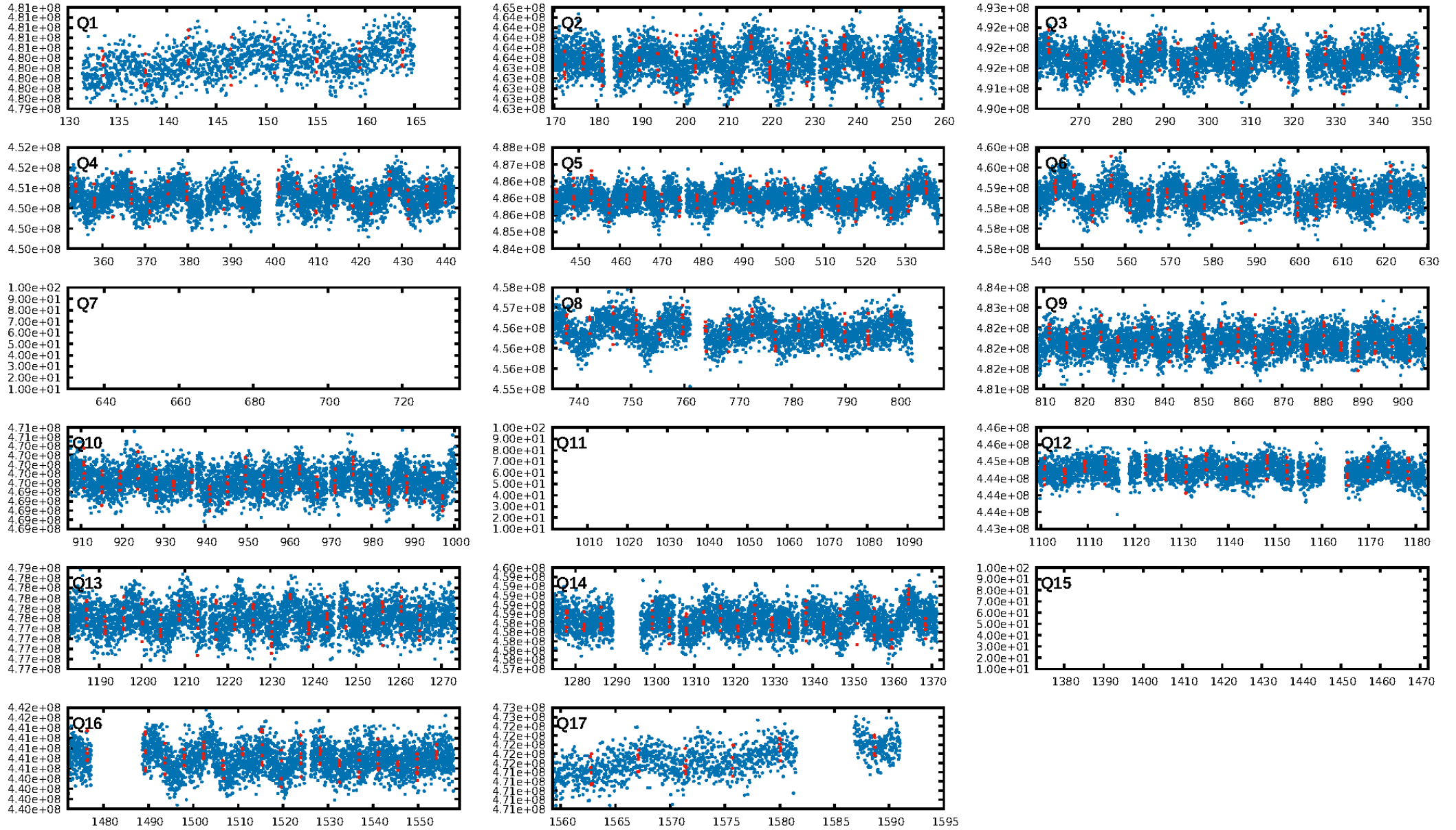
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [13.24σ]
LongPeriod-sig: 99.5% [2.83σ]
ModelChiSquare2-sig: 1.9%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 2.32e-10
RollingBand-fgt: 0.90 [28/31]
GhostDiagnostic-chr: -2.036
Centroid-sig: 59.9%
Centroid-so: 0.402 arcsec [2.80σ]
OotOffset-rm: 0.362 arcsec [1.18σ]
OotOffset-st: 4/1/3/4 [12]
KicOffset-rm: 0.509 arcsec [1.64σ]
KicOffset-st: 4/1/3/4 [12]
DiffImageQuality-fgm: 0.33 [4/12]
DiffImageOverlap-fno: 0.00 [0/14]

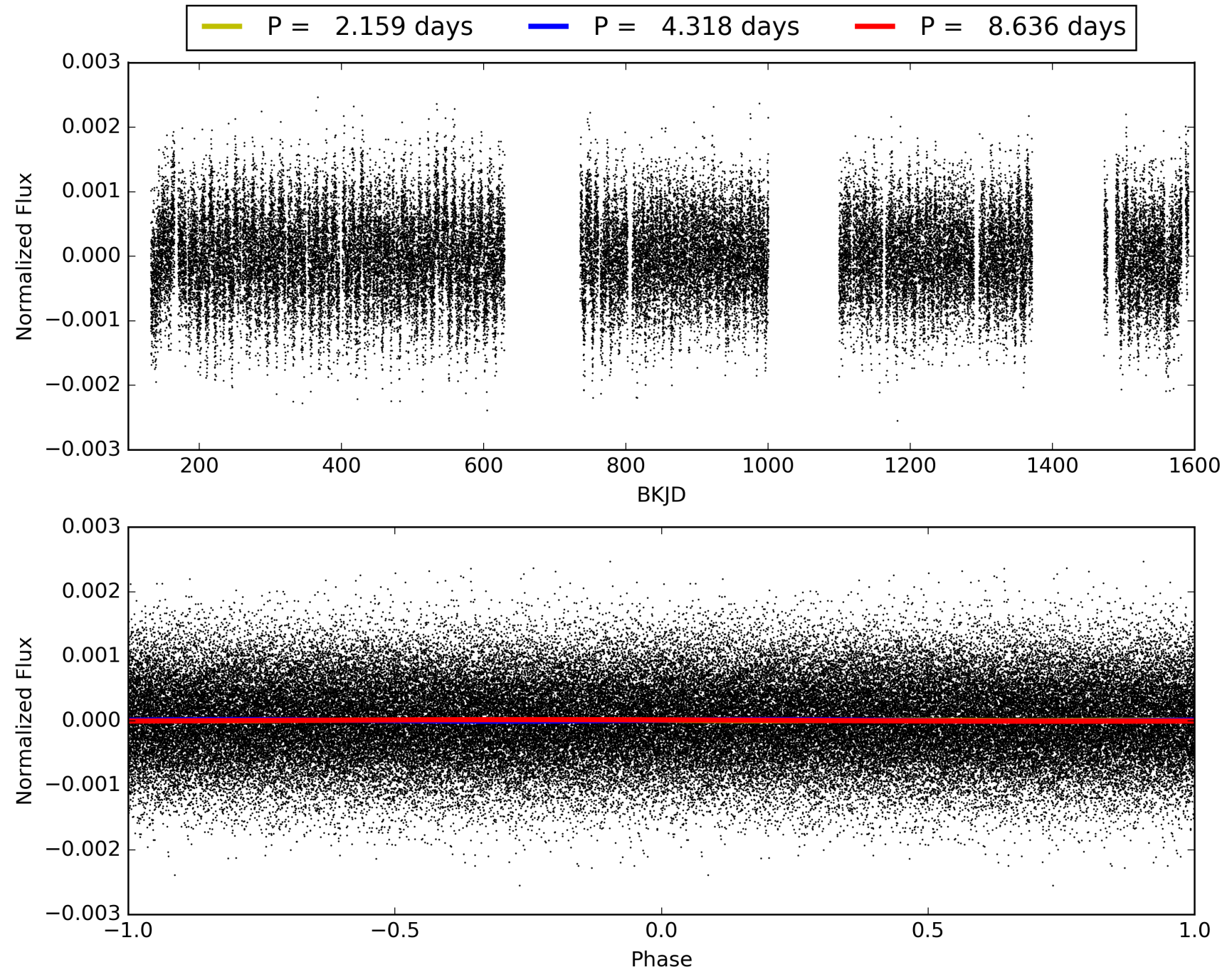
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 10:59:57 Z

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

TCE 011260307-03, PDC Light Curves

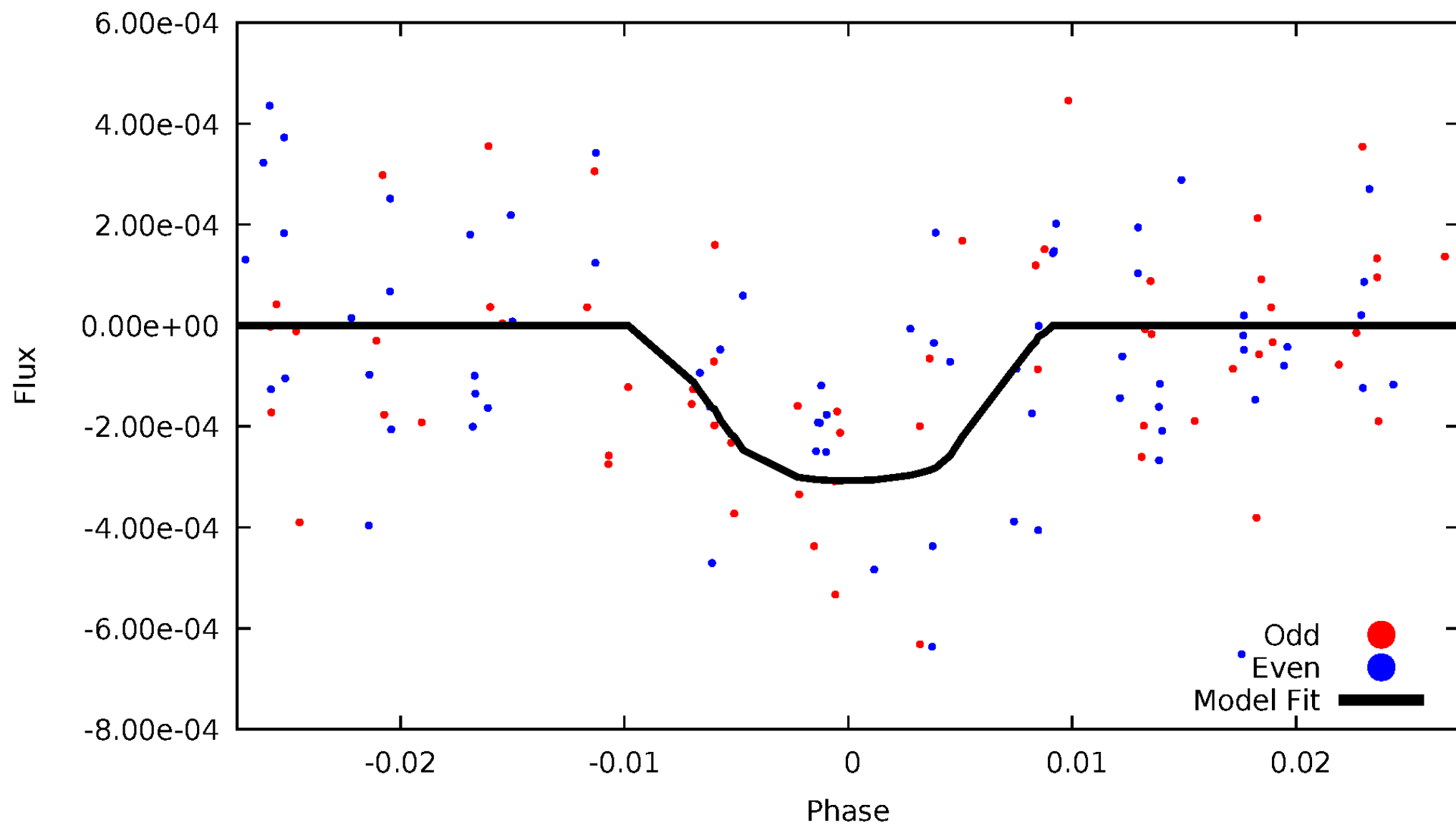


TCE 011260307-03



DV Odd/Even

TCE 011260307-03

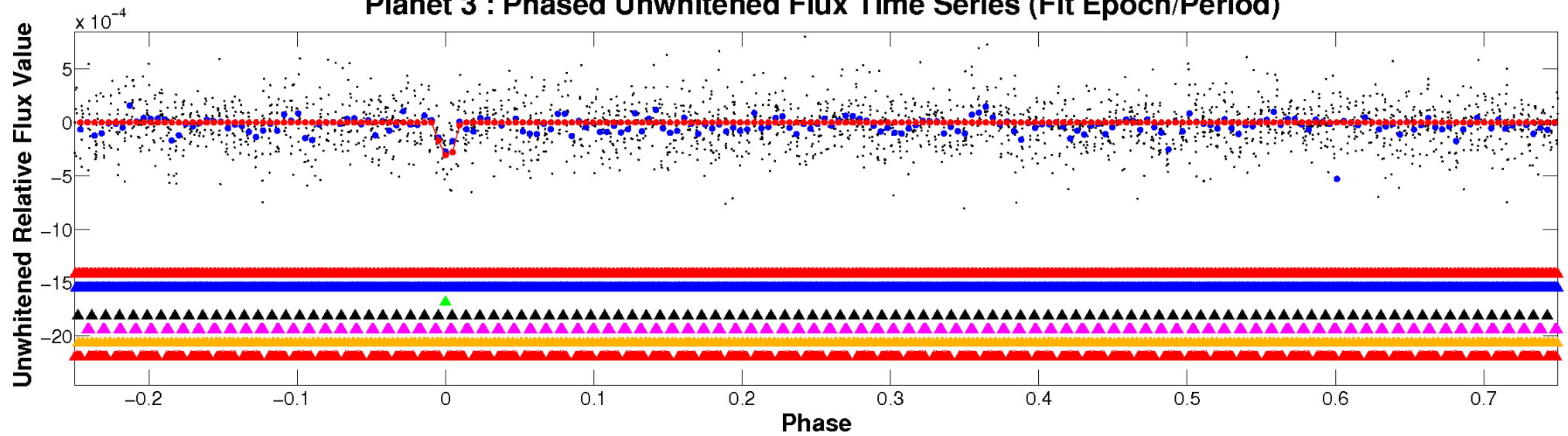


ALT Odd/Even

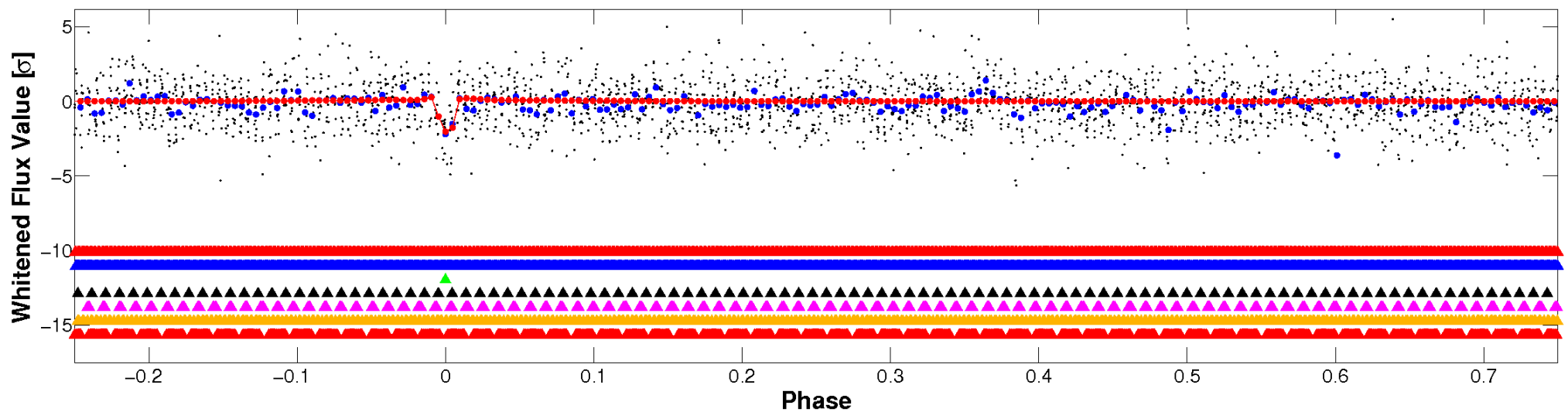
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

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

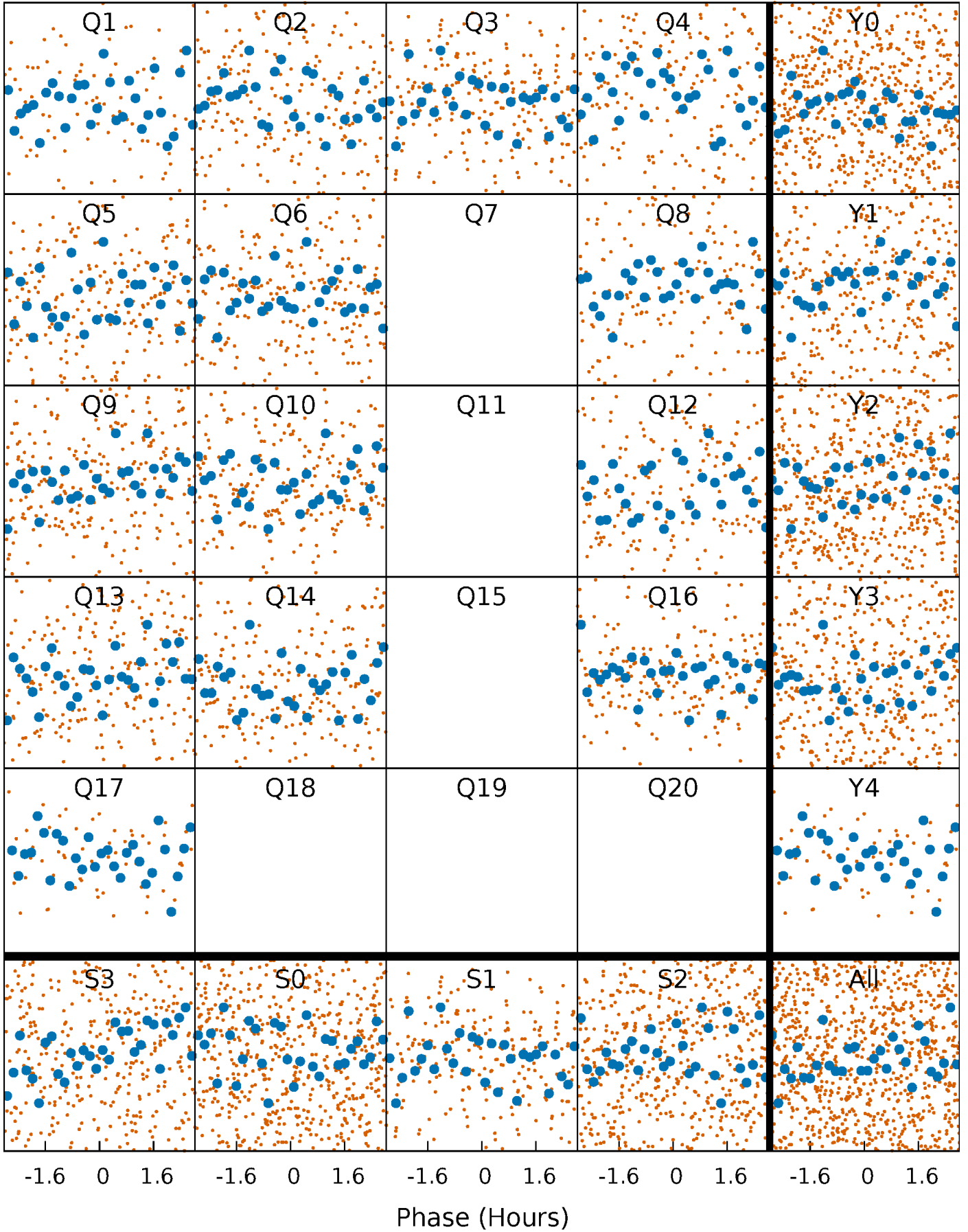


Planet 3 : Phased Whitened Flux Time Series (Fit Epoch/Period)



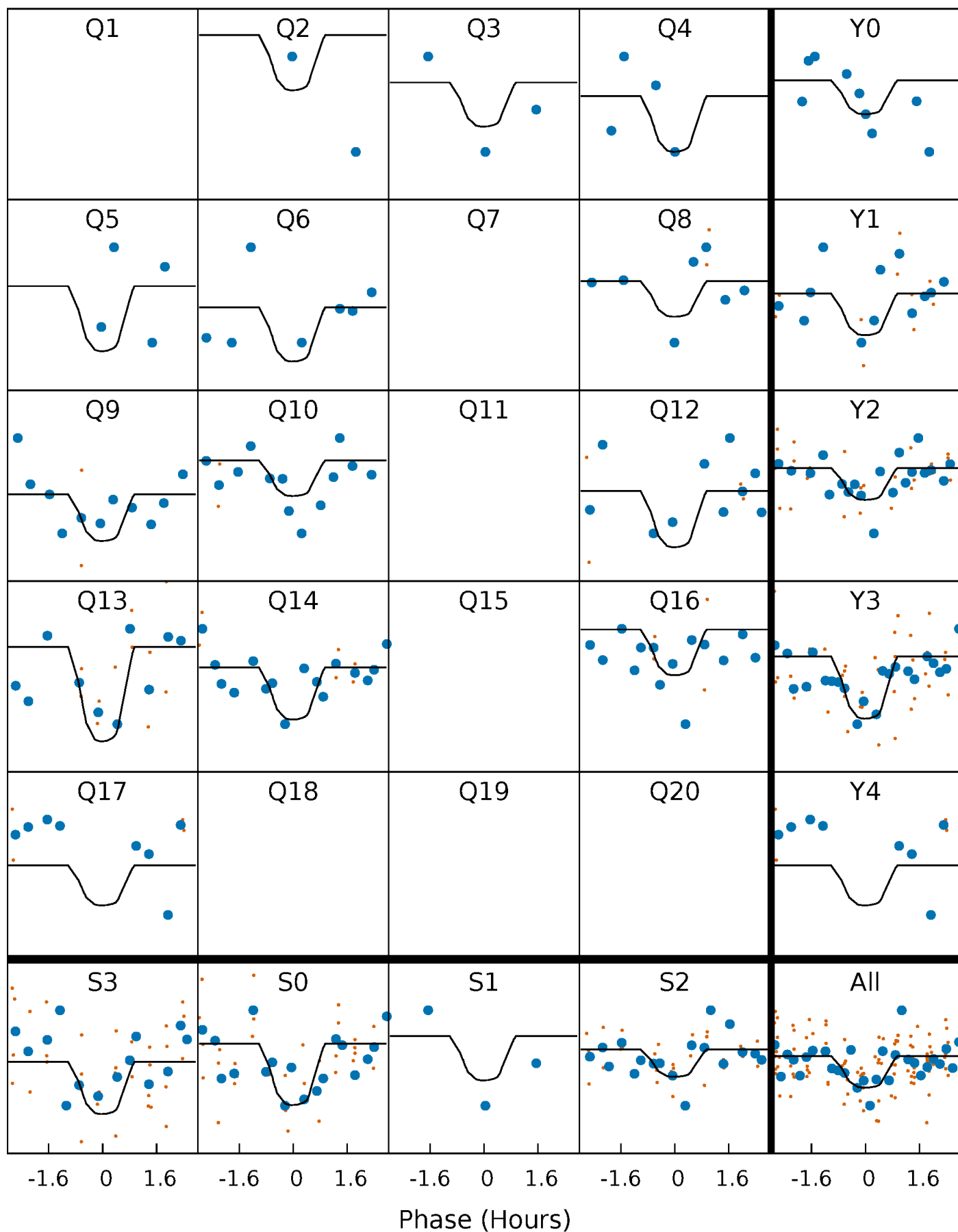
PDC Quarter-Phased Transit Curves

TCE 011260307-03 $P = 4.317965$ Days $T_0 = 133.517470$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 011260307-03 P= 4.317965 Days $T_0=133.517470$ (BKJD)

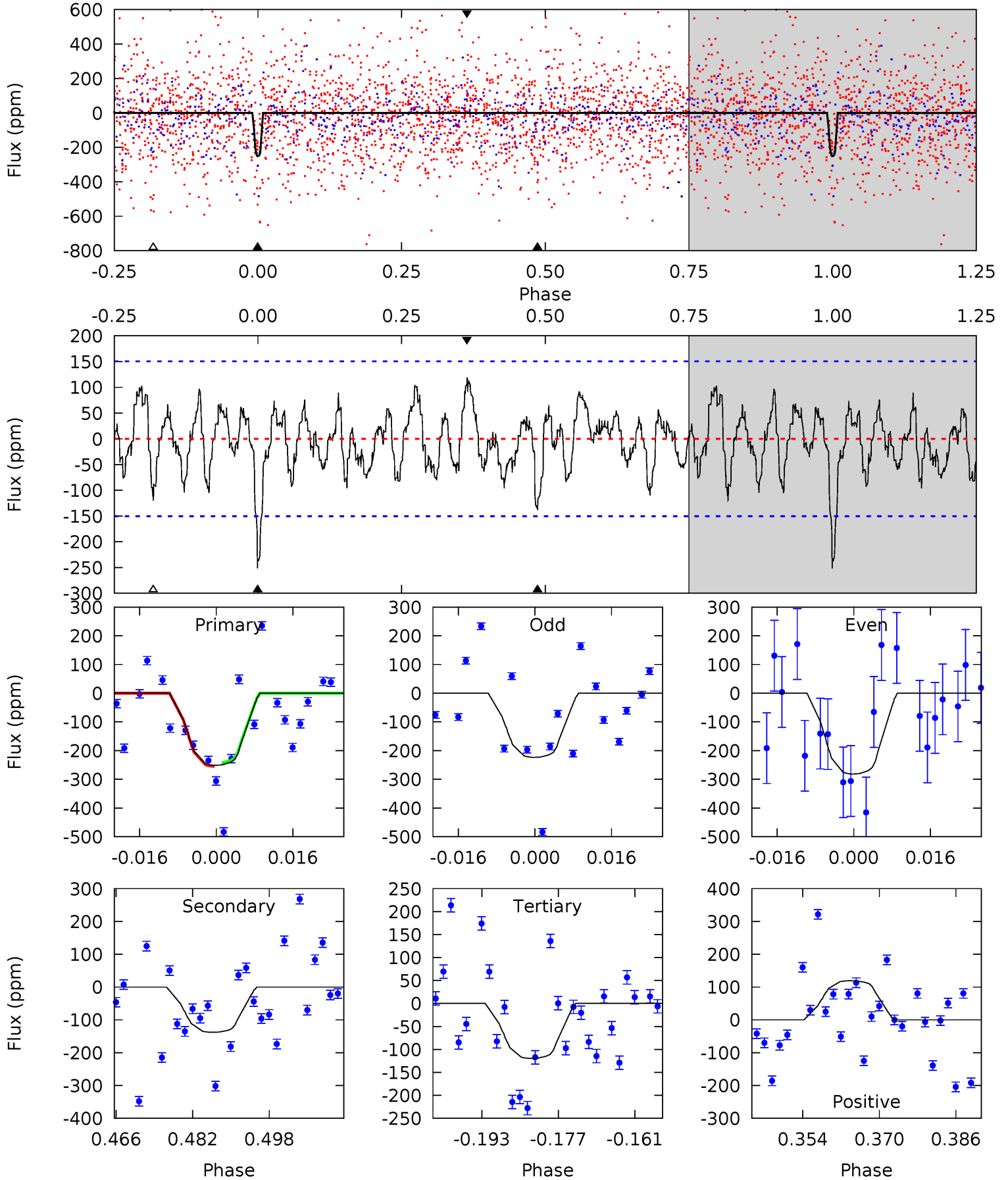


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

011260307-03, P = 4.317965 Days, E = 133.517470 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.24	4.52	3.93	3.91	4.93	2.41	1.55	4.32	4.33	0.60	0.61	0.96	0.88	0.32	0.19



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-03 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-138 ± 30	$4.33^{+3.32}_{-2.76}$	2610^{+194}_{-214}	5364^{+4332}_{-1101}	14^{+90}_{-10}
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 $A_{obs} \gg 1.0$

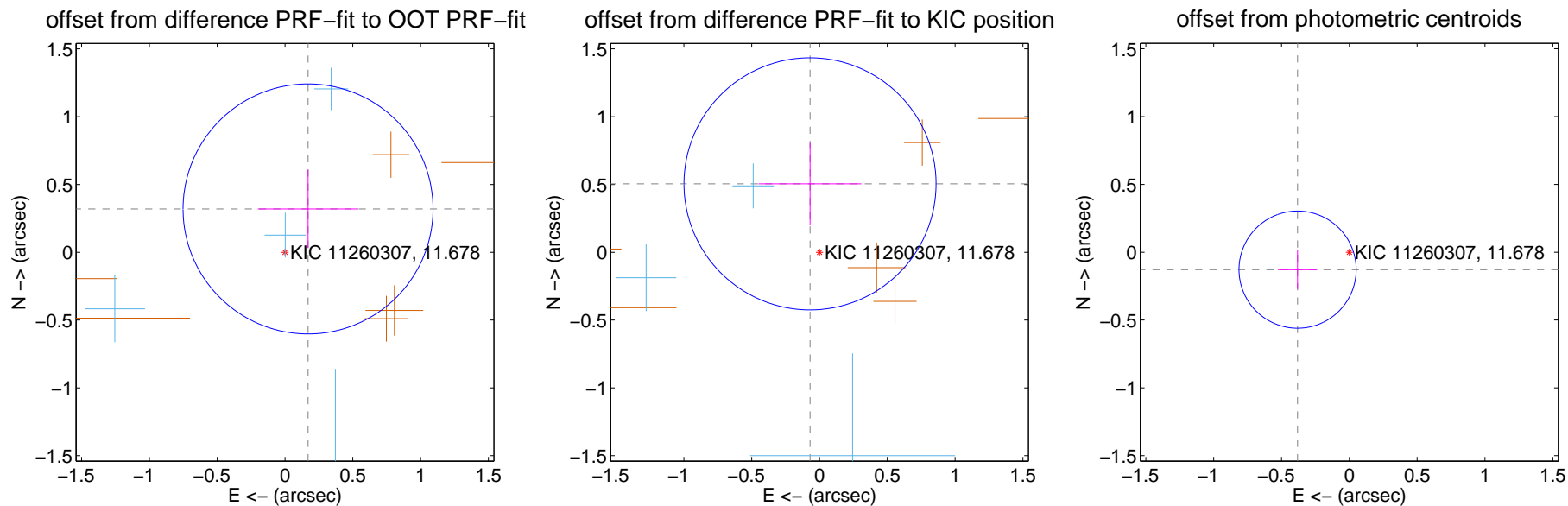
DV Centroid Data

Supplemental centroid analysis for 011260307-03. **Kepler magnitude: 11.68.** Transit SNR 9.99

There are 4 quarters with good PRF difference image offsets

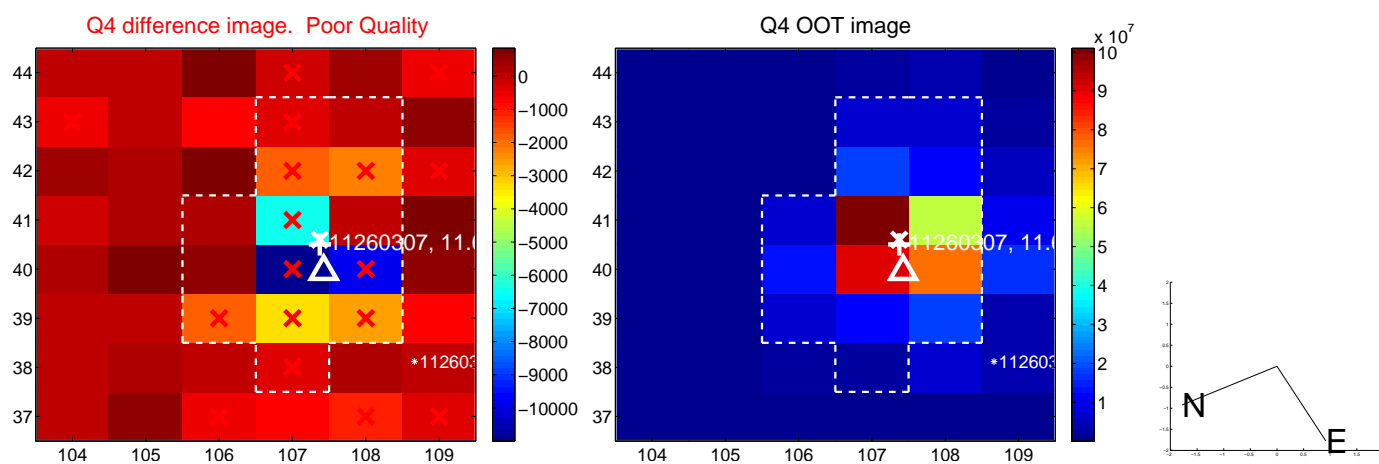
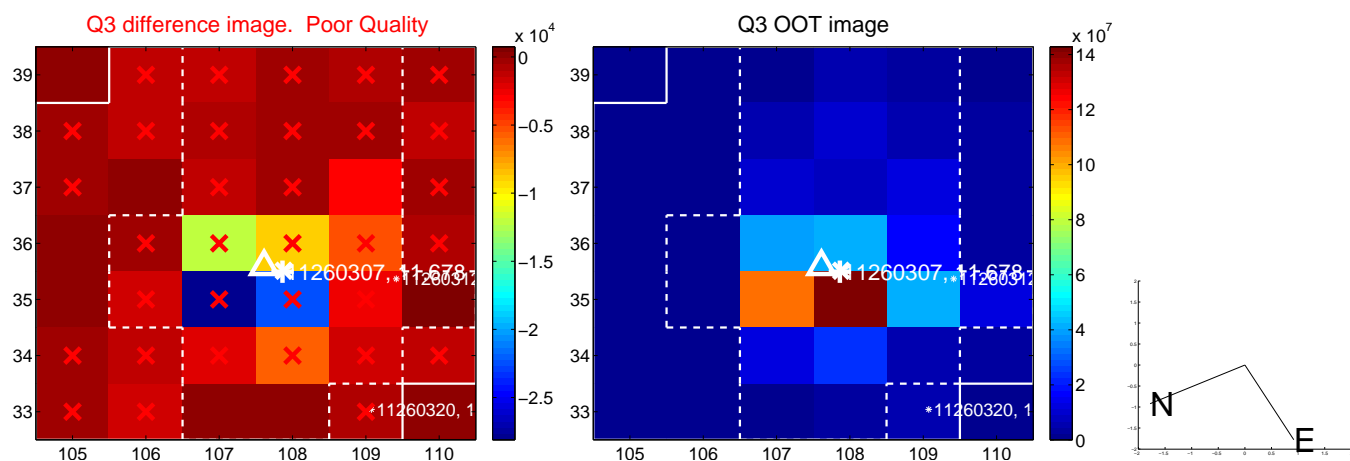
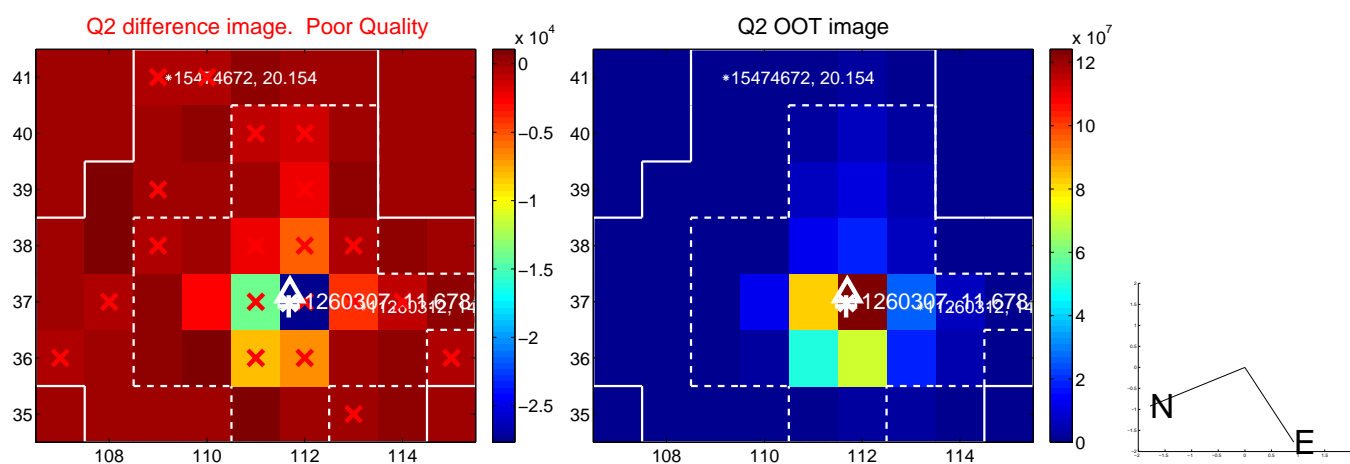
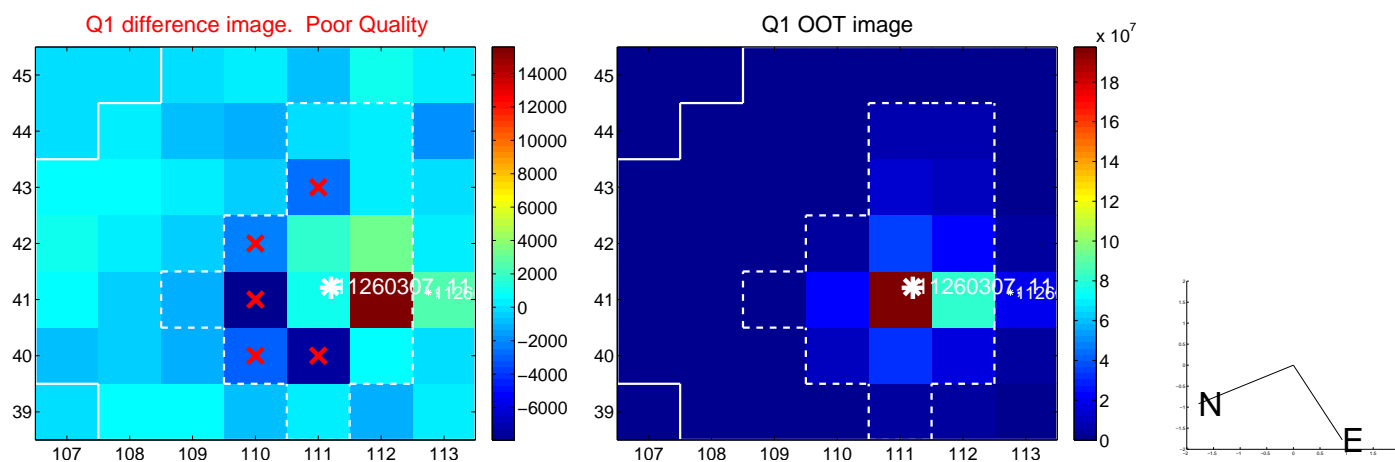
The direct PRF centroid is offset from the target star catalog position by about 0.33 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.362 ± 0.307	1.18	-0.170 ± 0.370	0.320 ± 0.289
PRF-fit source offset from KIC position	0.509 ± 0.310	1.64	0.070 ± 0.379	0.505 ± 0.302
photometric centroid source offset	0.40 ± 0.14	2.80	0.38 ± 0.14	-0.13 ± 0.14

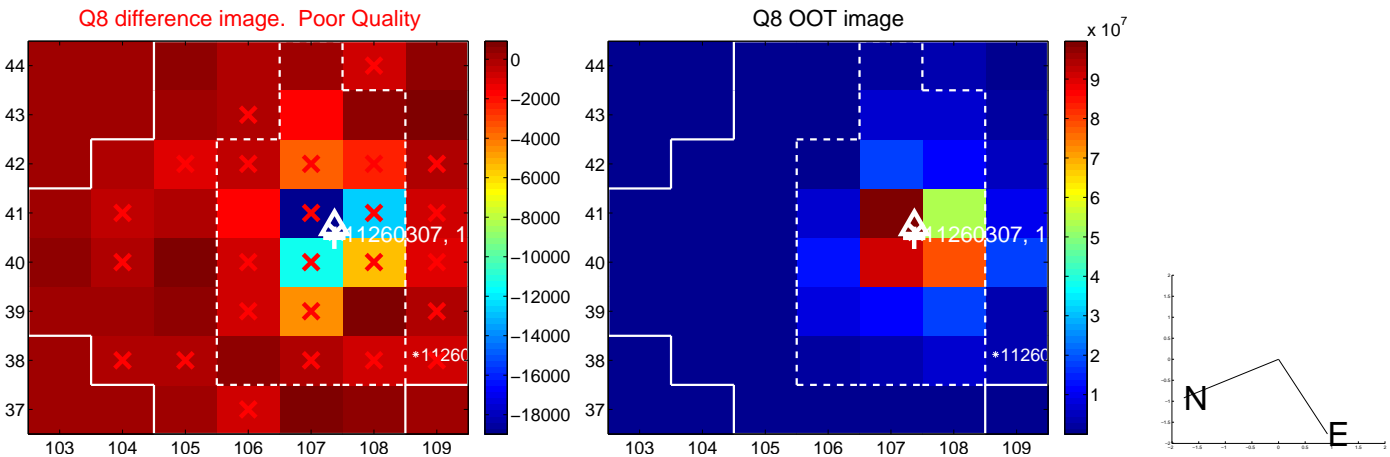
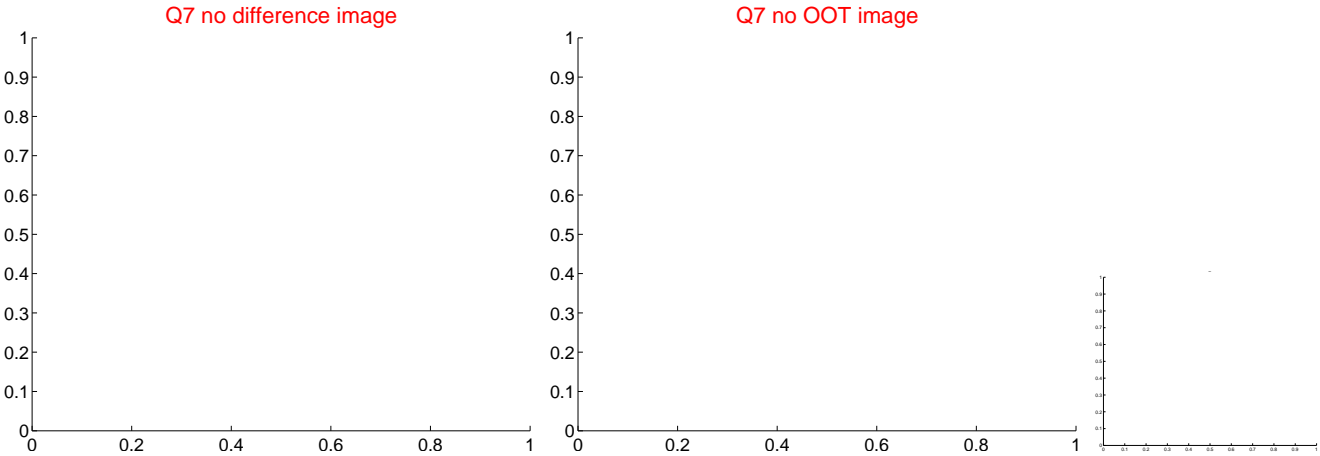
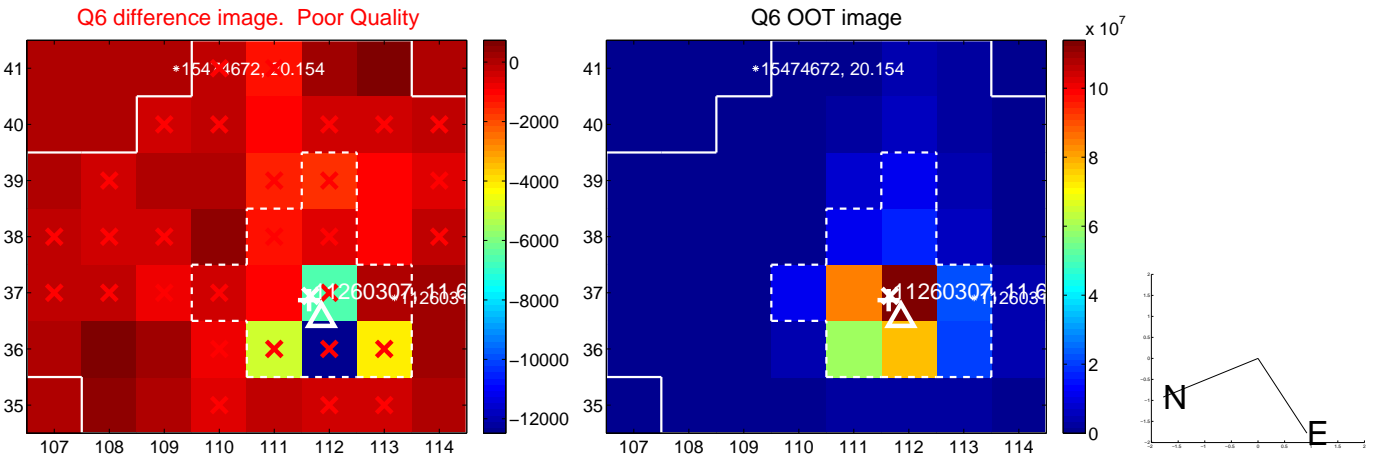
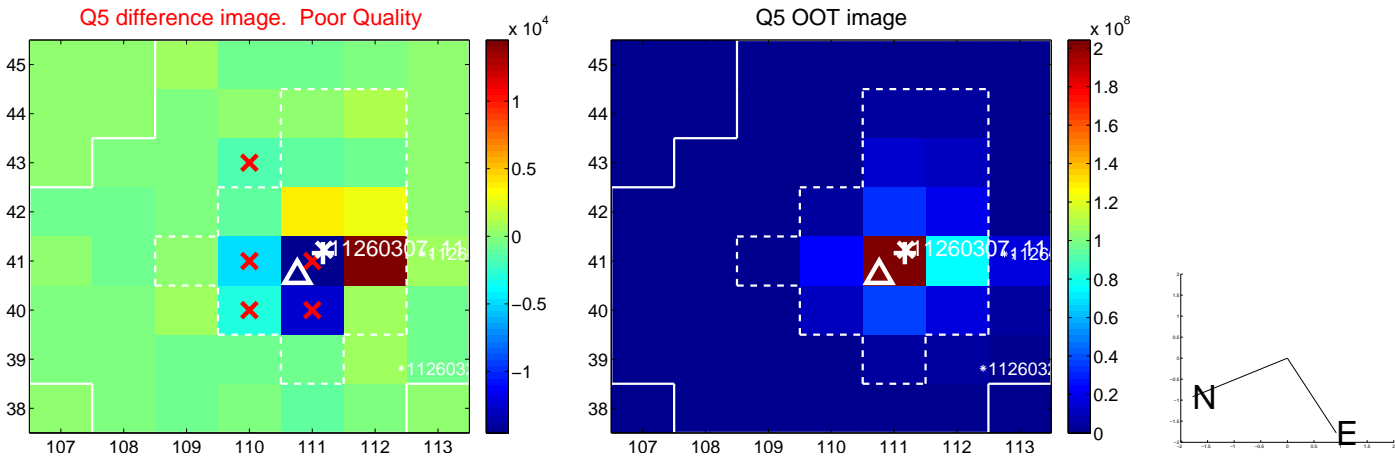


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

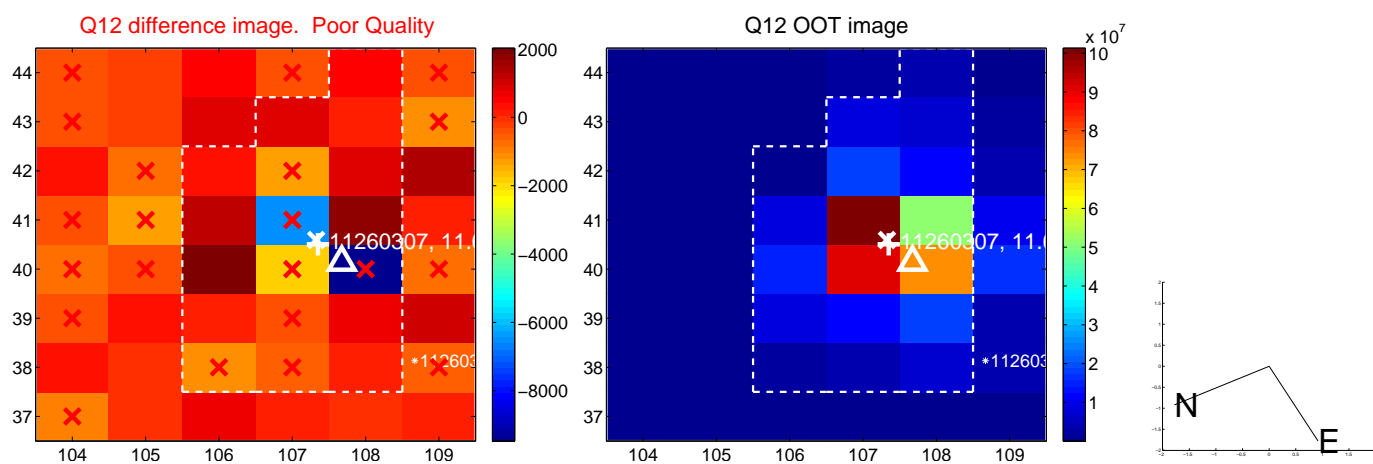
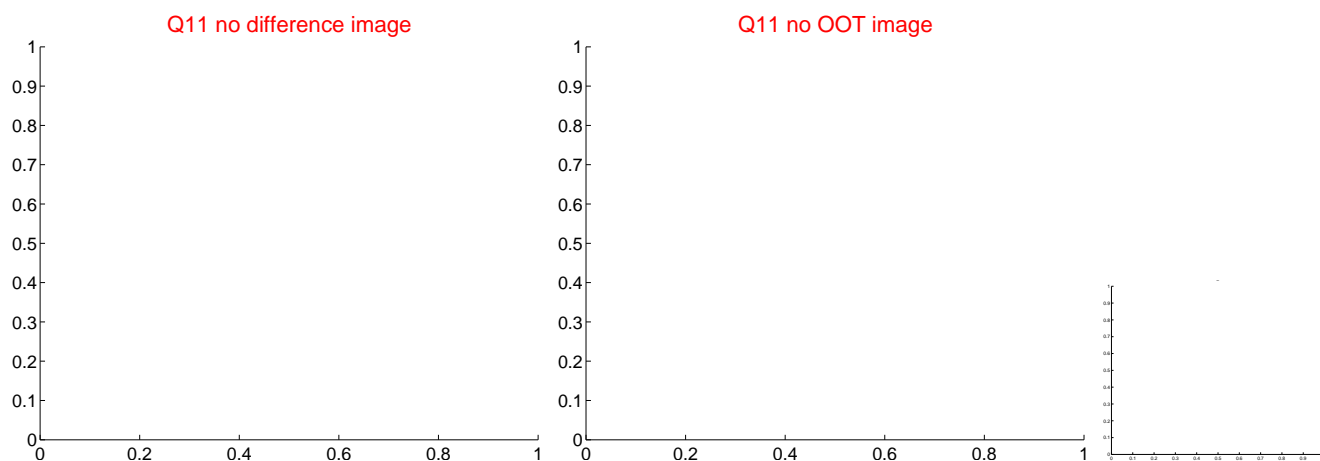
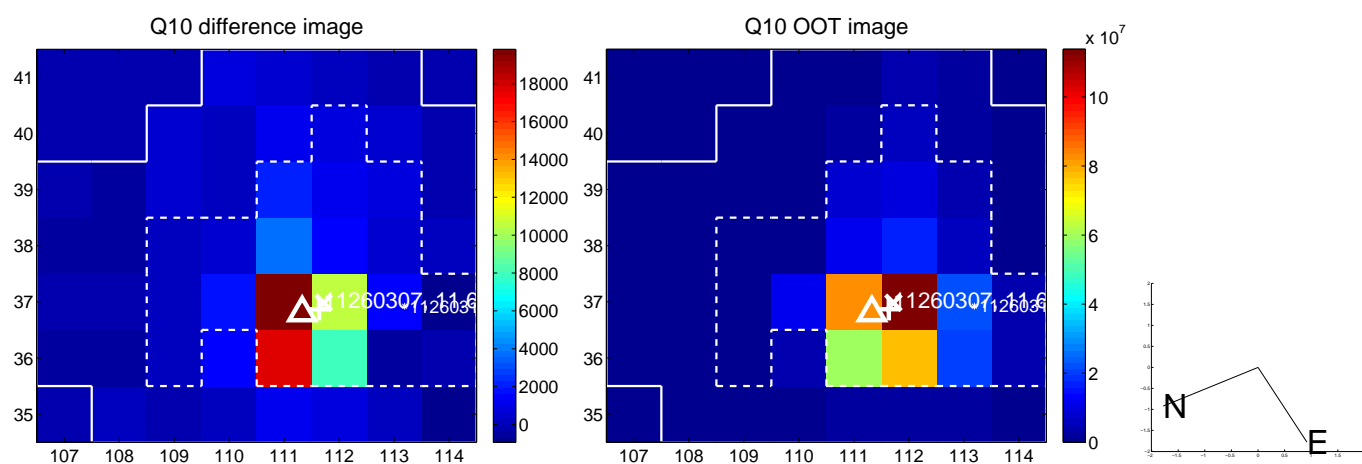
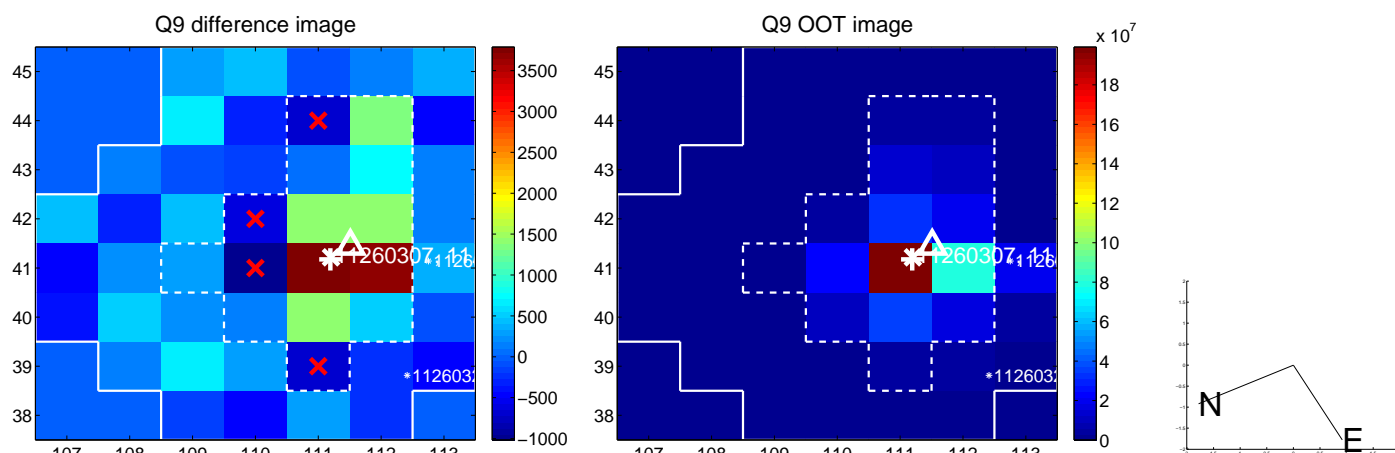
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



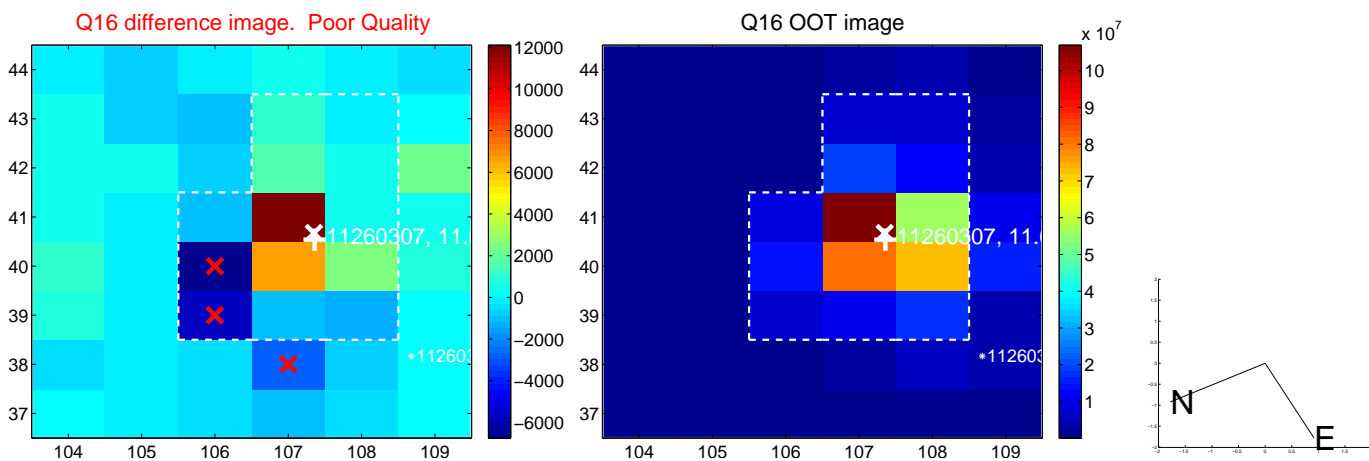
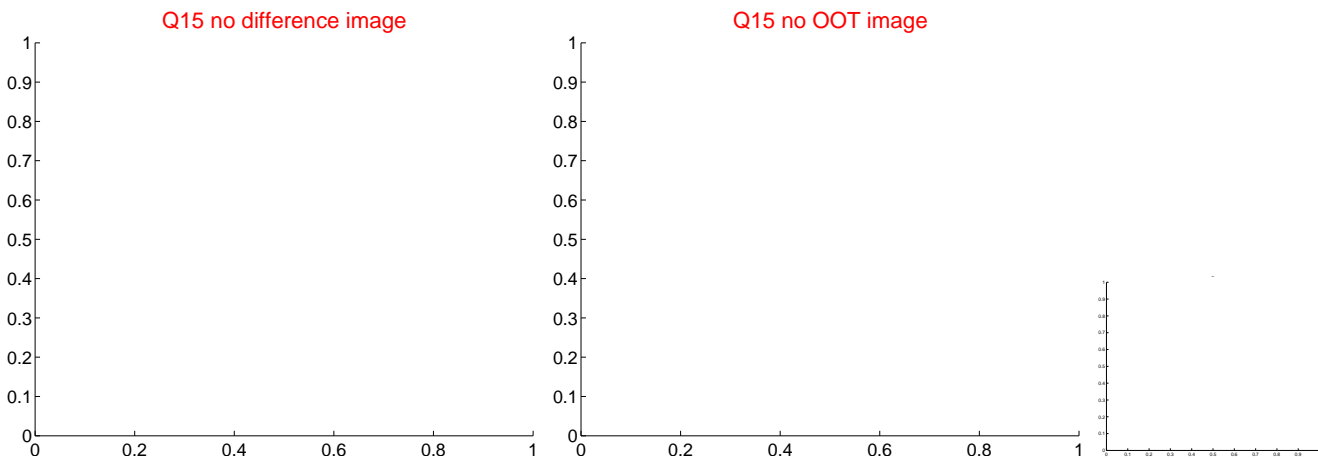
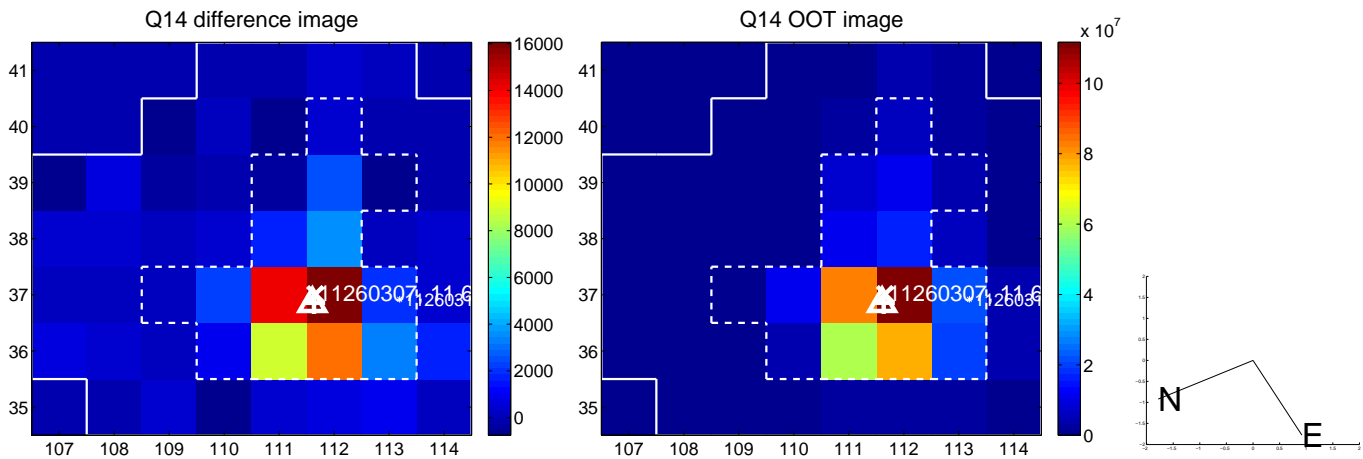
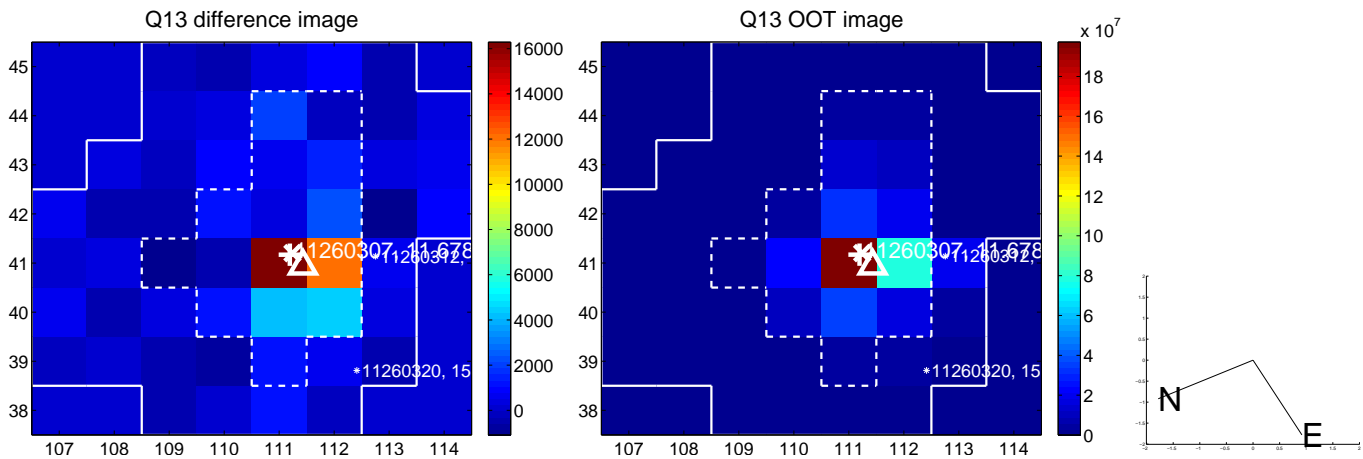
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



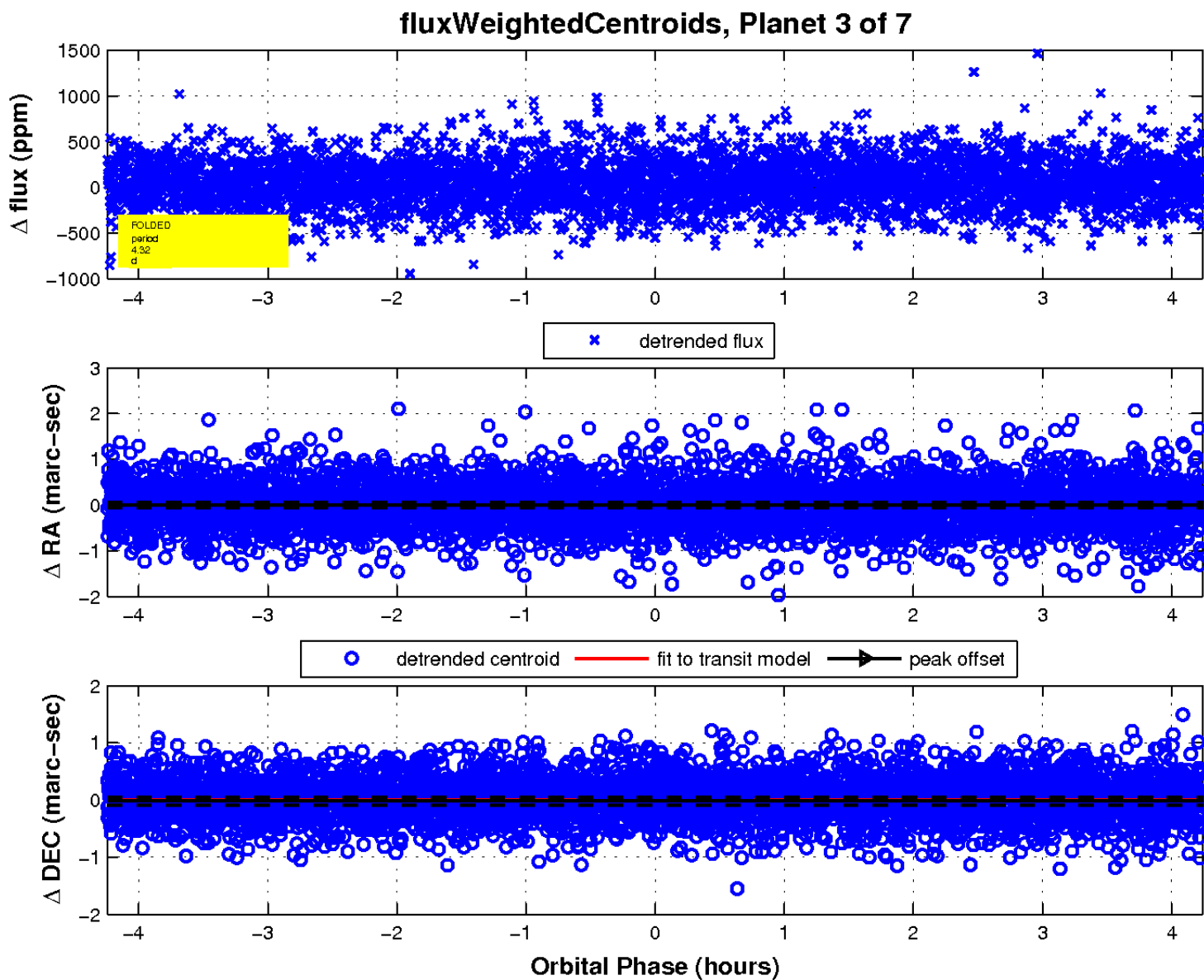
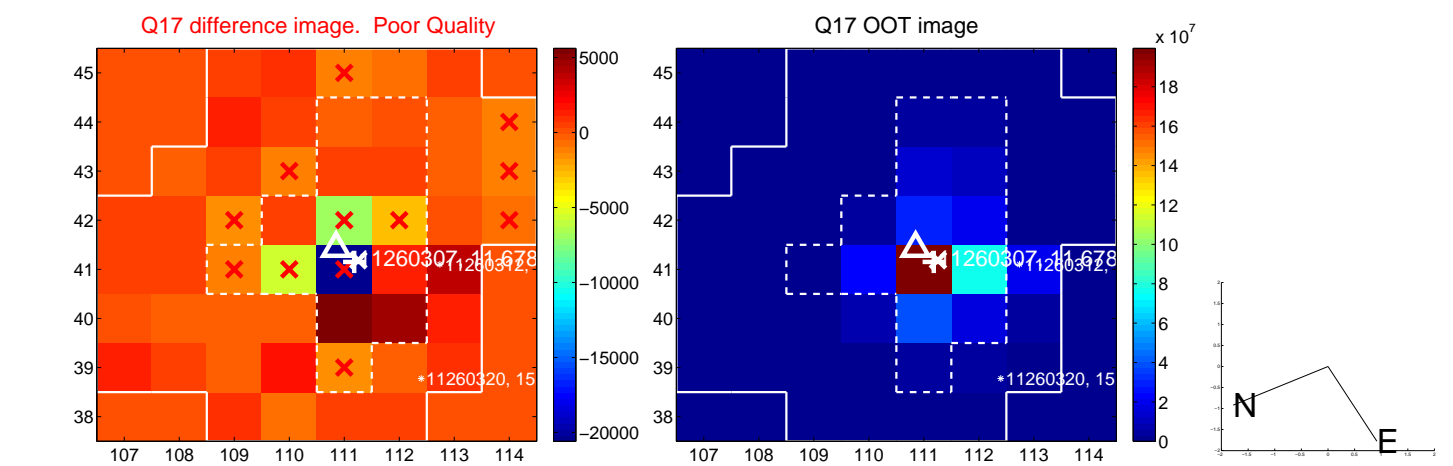
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



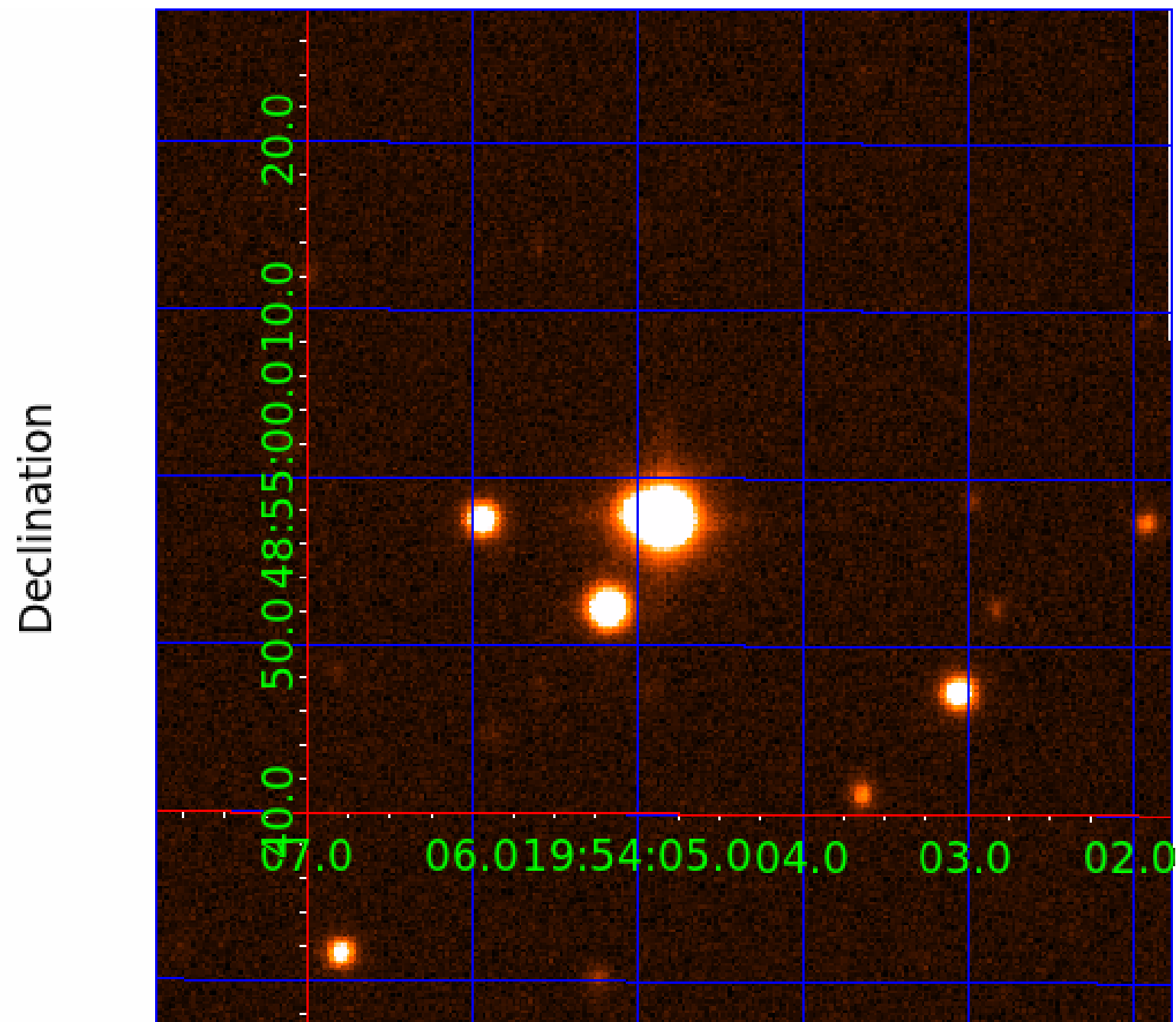
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



UKIRT Image



KIC 011260307

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})
011260307-01	OBS	No	0.684835	131.989925	66.8	2.816	14.4	16.6	1.99	7377	1.89	34412.96
011260307-02	OBS	No	0.684868	131.767432	60.3	4.246	14.0	13.8	1.99	7377	1.58	34410.74
011260307-03	OBS	No	4.317965	133.517470	307.8	1.414	10.3	10.0	1.99	7377	3.57	2954.37
011260307-04	OBS	No	4.560095	131.841772	223.2	1.493	9.9	7.8	1.99	7377	3.80	2747.08
011260307-05	OBS	No	4.915101	134.916809	310.3	1.328	9.8	8.2	1.99	7377	3.59	2485.76
011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011260307-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

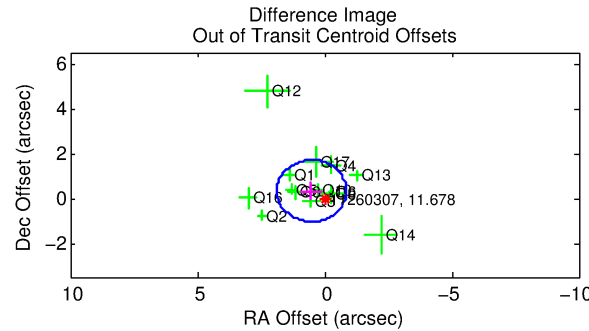
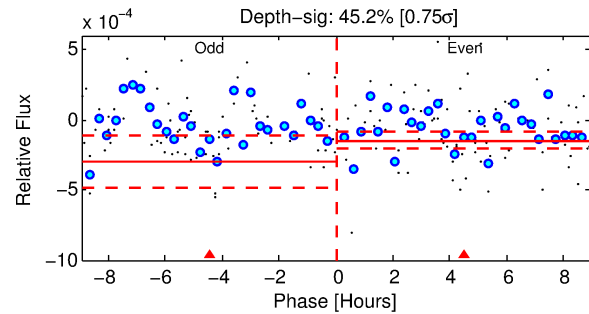
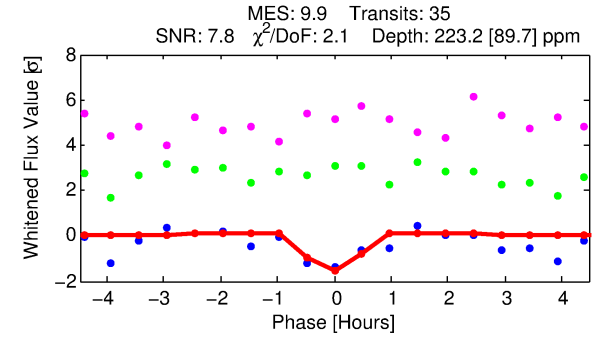
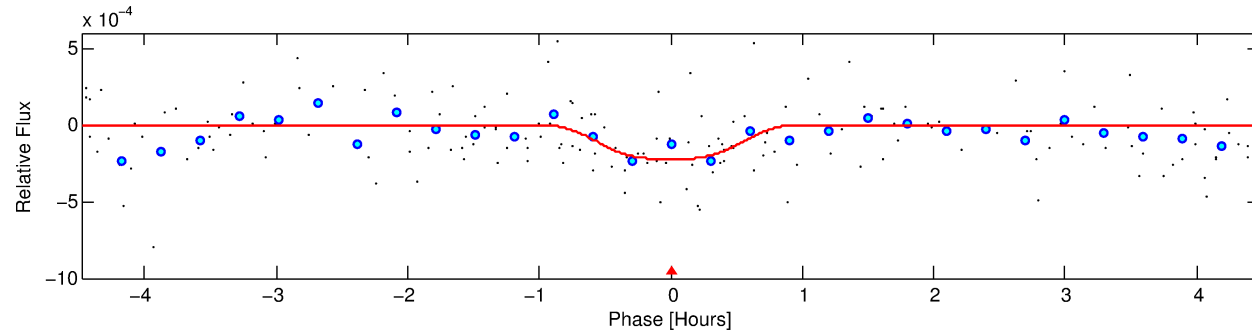
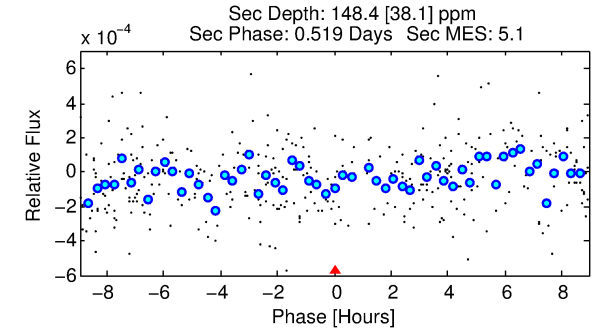
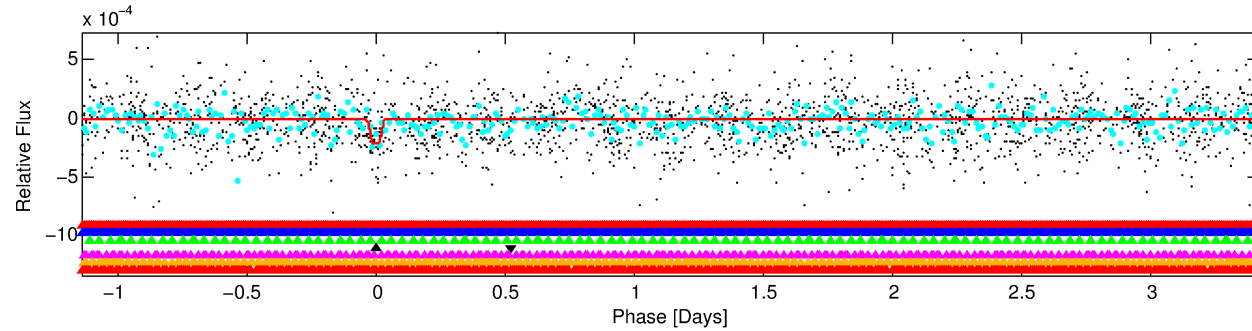
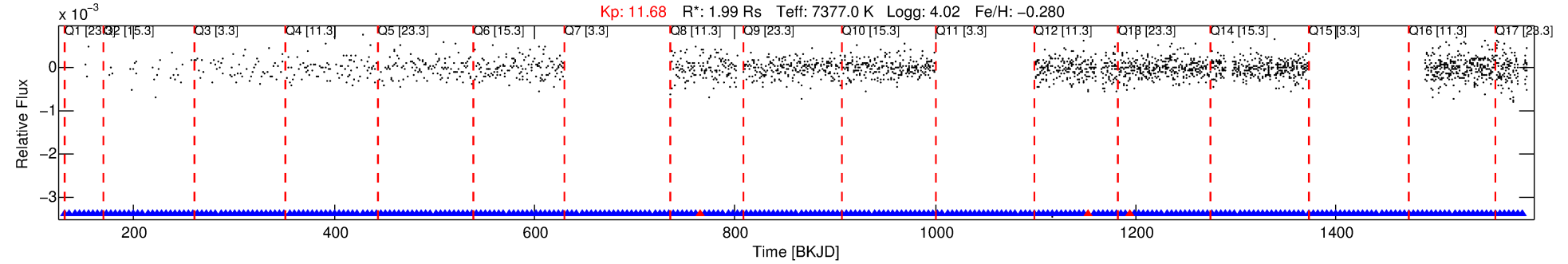
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-04

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 4 of 7 Period: 4.560 d



DV Fit Results:

Period = 4.56010 [0.00005] d
Epoch = 131.8418 [0.0077] BKJD
Rp/R* = 0.0175 [0.0064]
a/R* = 7.15 [11.26]
b = 0.97 [0.10]
Seff = 2747.08 [1208.09]
Teq = 1846 [203] K
Rp = 3.80 [1.75] Re
a = 0.0618 [0.0162] AU
Ag = 21.61 [18.83] [1.09σ]
Teffp = 6154 [1214] K [3.50σ]

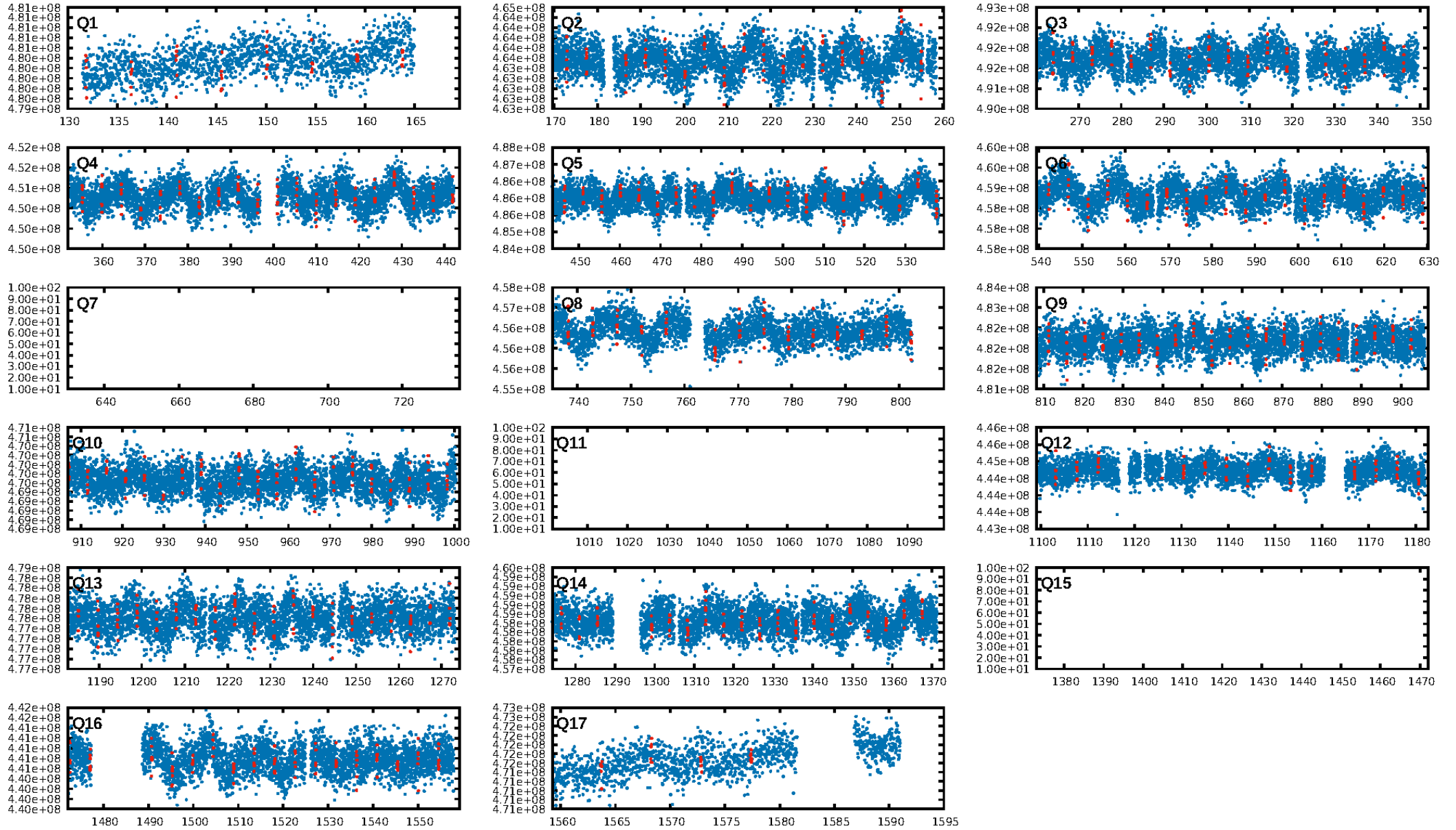
DV Diagnostic Results:

ShortPeriod-sig: 99.5% [2.83σ]
LongPeriod-sig: 100.0% [4.26σ]
ModelChiSquare2-sig: 0.0%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 2.92e-12
RollingBand-fgt: 0.91 [31/34]
GhostDiagnostic-chr: -1.044
Centroid-sig: 1.2%
Centroid-so: 0.509 arcsec [2.32σ]
OotOffset-rm: 0.614 arcsec [1.34σ]
OotOffset-st: 4/1/4/5 [14]
KicOffset-rm: 0.905 arcsec [2.08σ]
KicOffset-st: 4/1/4/5 [14]
DiffImageQuality-fgm: 0.64 [9/14]
DiffImageOverlap-fno: 0.00 [0/14]

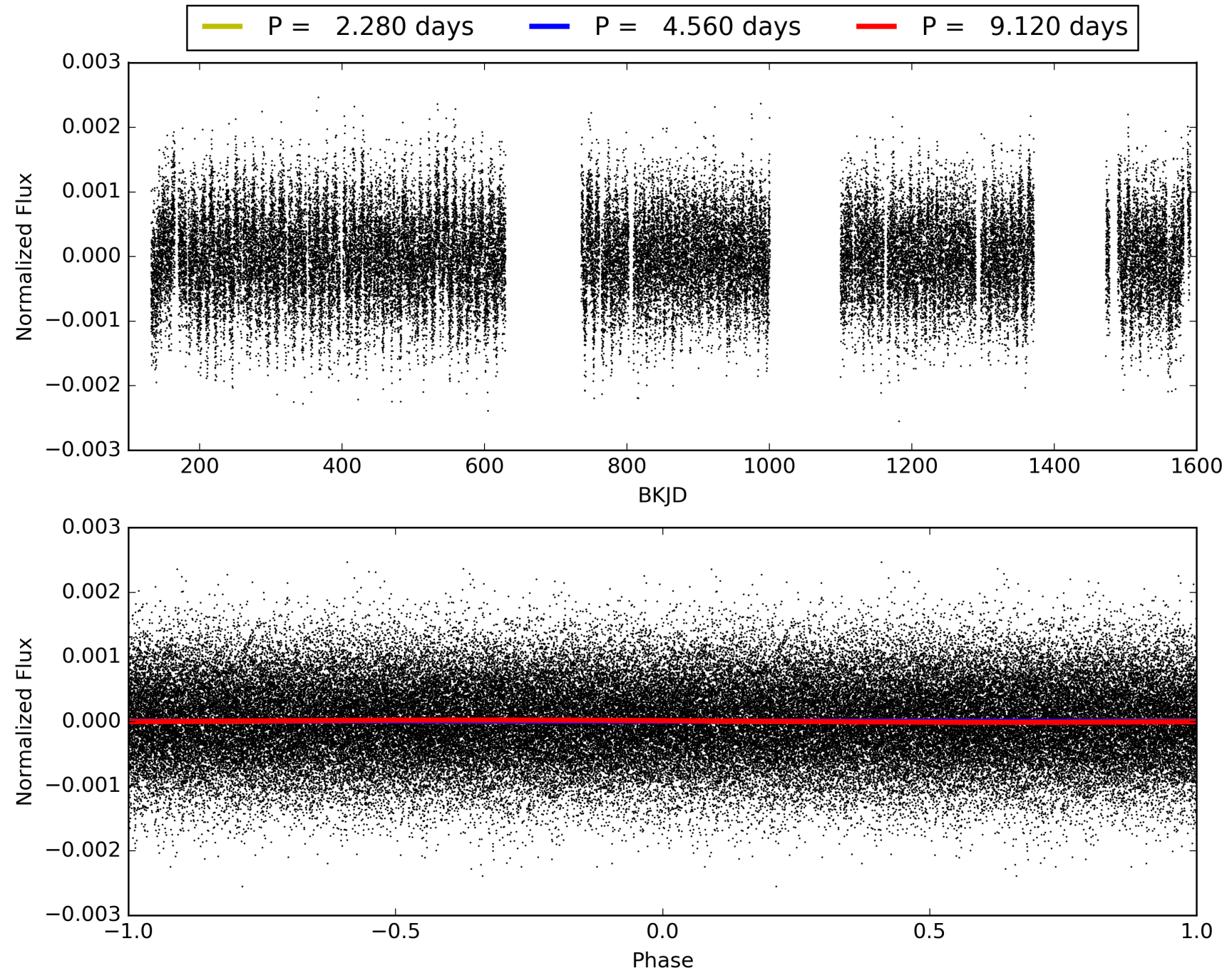
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:00:00 Z

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

TCE 011260307-04, PDC Light Curves

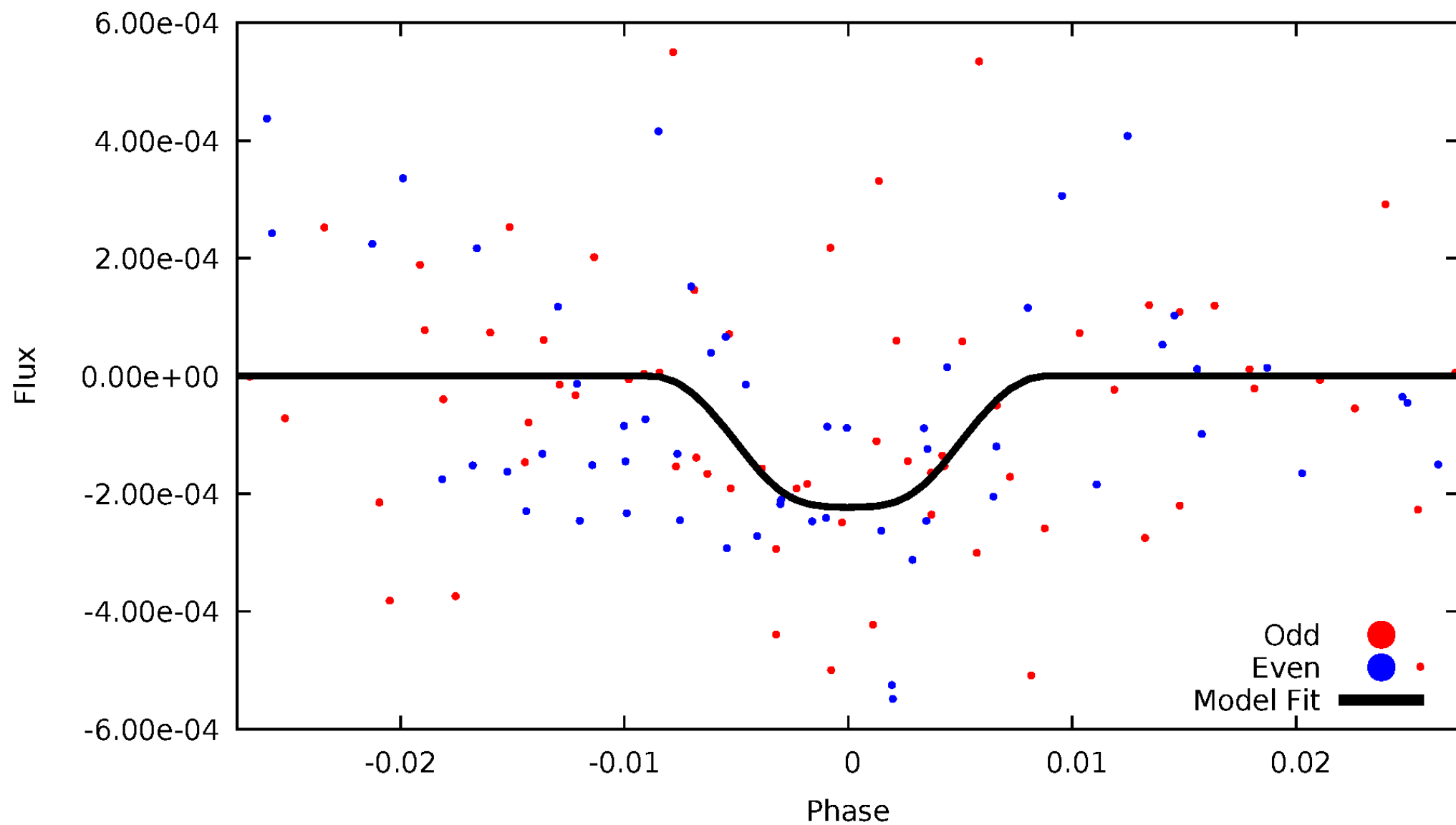


TCE 011260307-04



DV Odd/Even

TCE 011260307-04

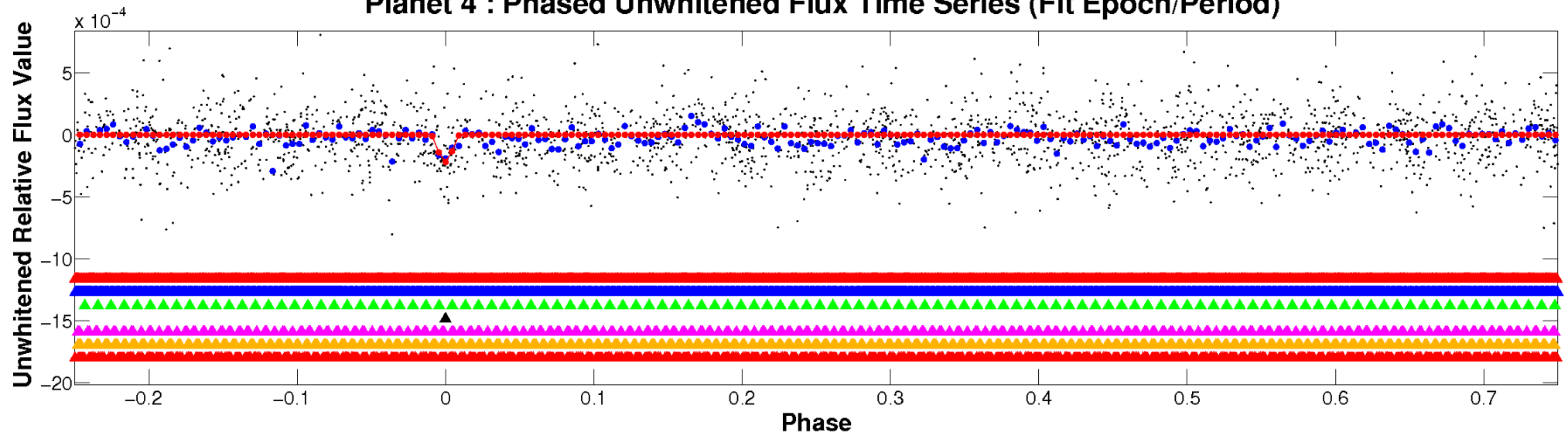


ALT Odd/Even

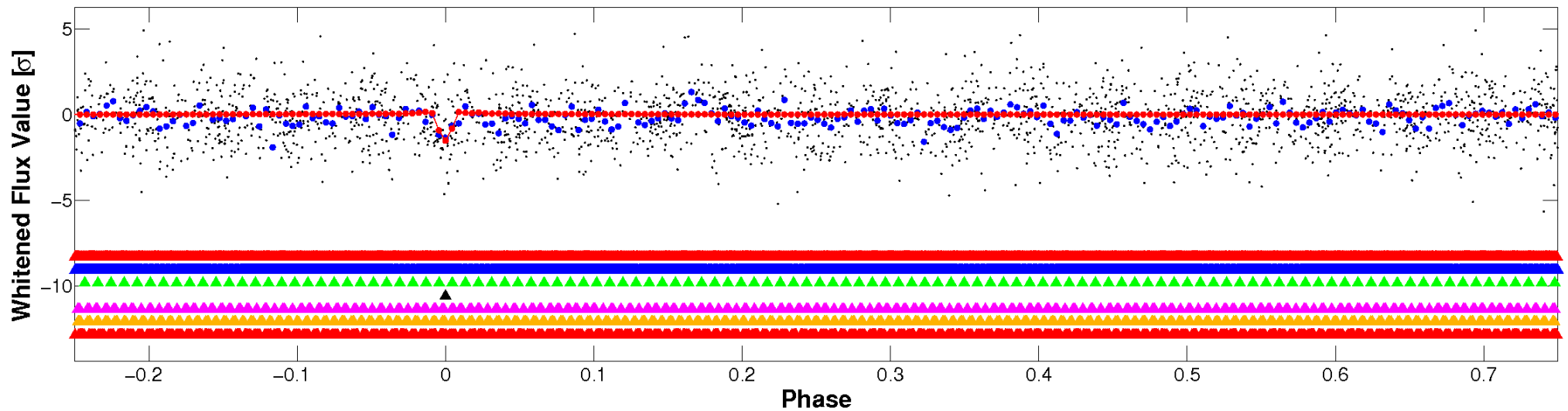
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

Planet 4 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

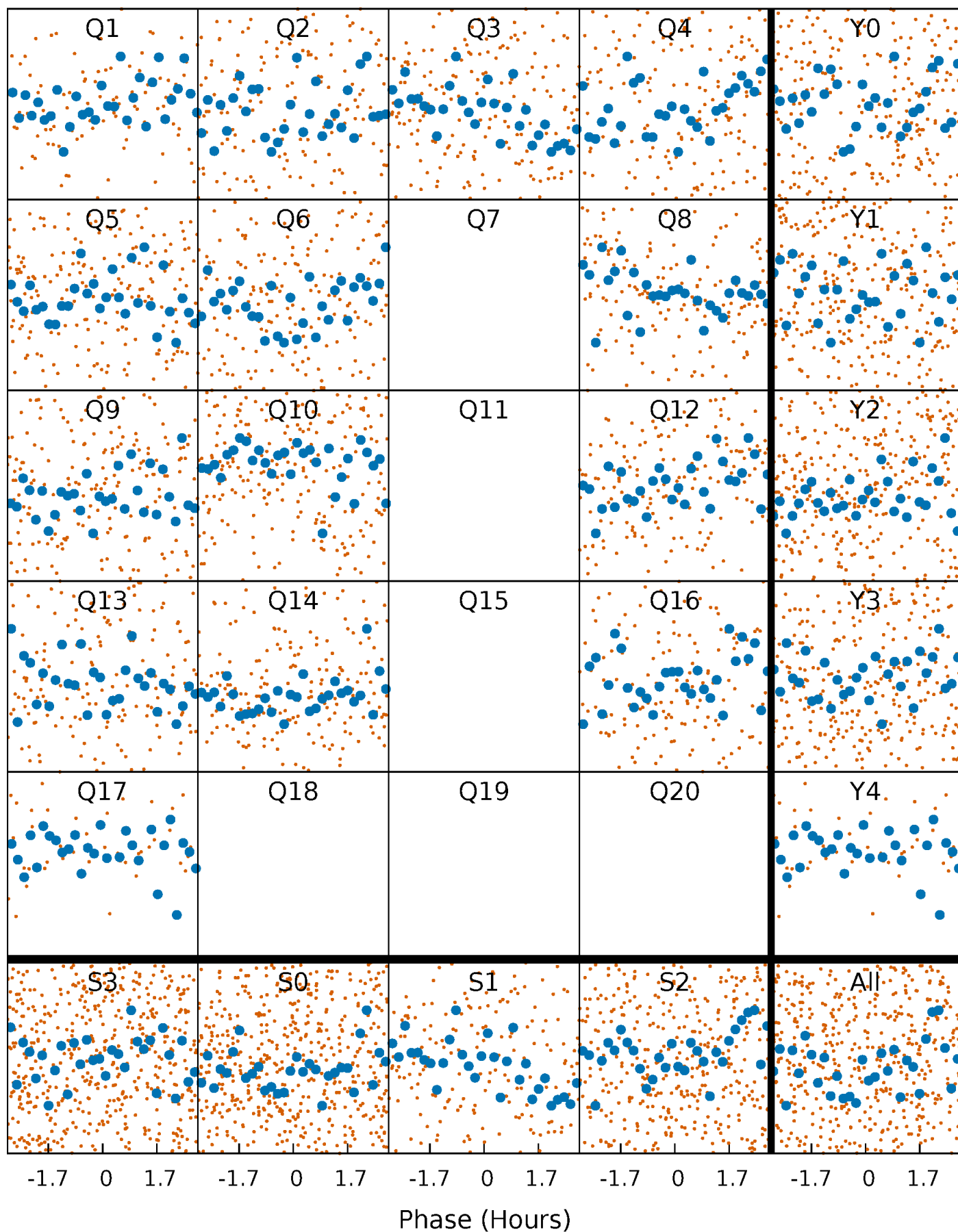


Planet 4 : Phased Whitened Flux Time Series (Fit Epoch/Period)



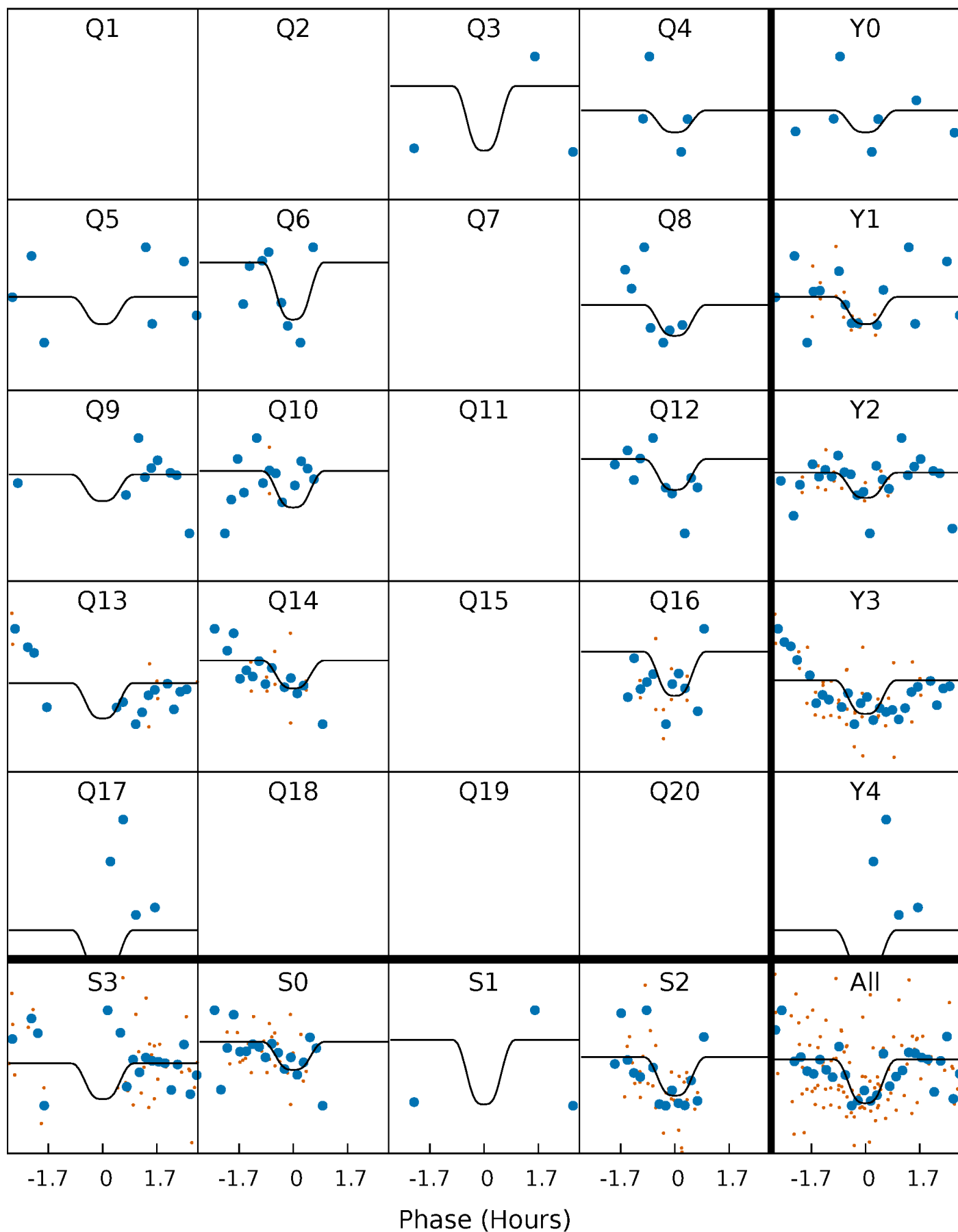
PDC Quarter-Phased Transit Curves

TCE 011260307-04 P= 4.560095 Days $T_0=131.841772$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 011260307-04 $P = 4.560095$ Days $T_0 = 131.841772$ (BKJD)

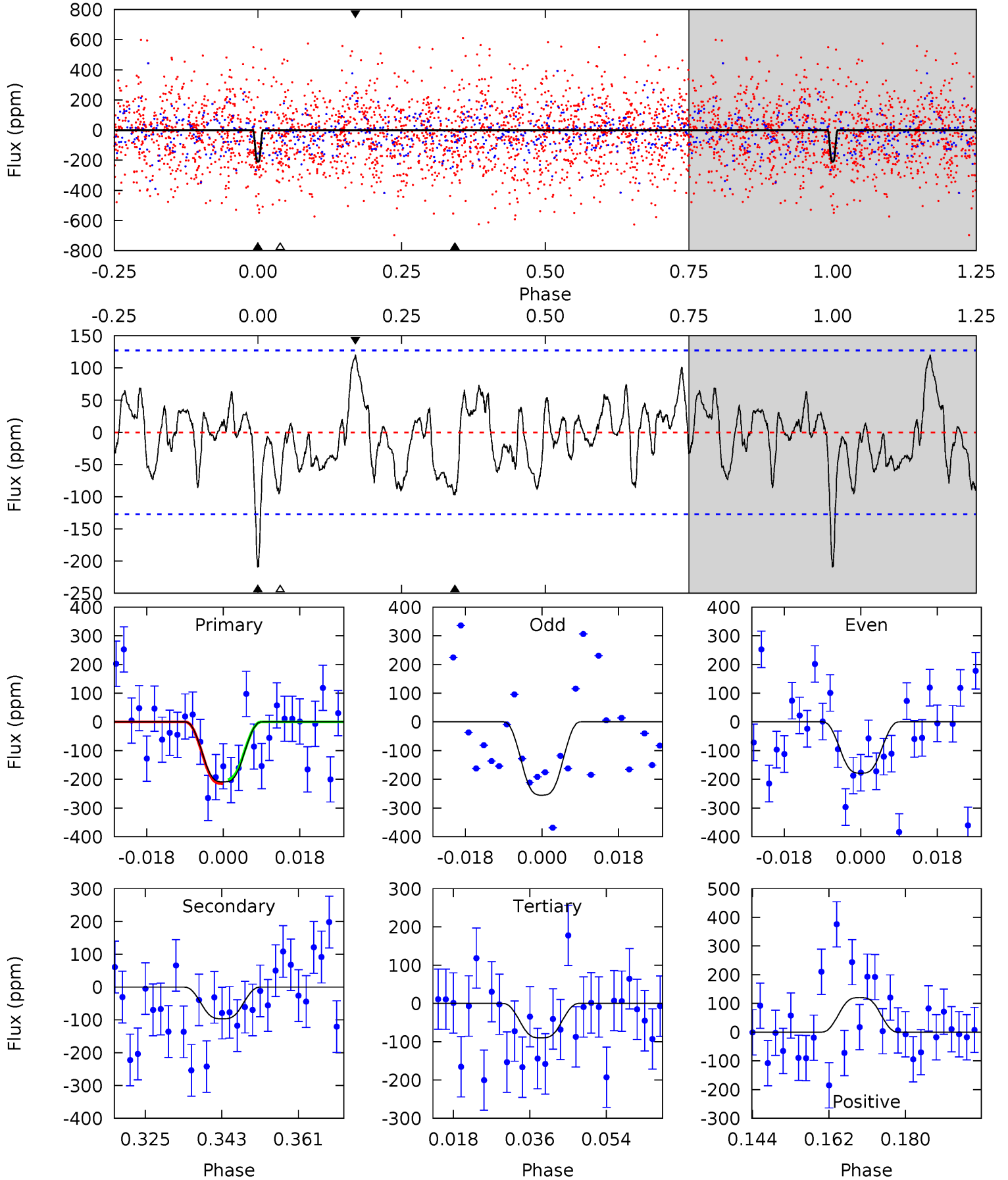


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

011260307-04, P = 4.560095 Days, E = 131.841772 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.09	3.75	3.48	4.66	4.91	2.36	1.63	4.61	3.43	0.27	-0.91	1.48	0.85	0.37	0.28



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-04 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-97 ± 26	$3.75^{+1.61}_{-1.42}$	2548^{+203}_{-199}	5393^{+1526}_{-739}	14^{+23}_{-8}
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 $A_{obs} \gg 1.0$

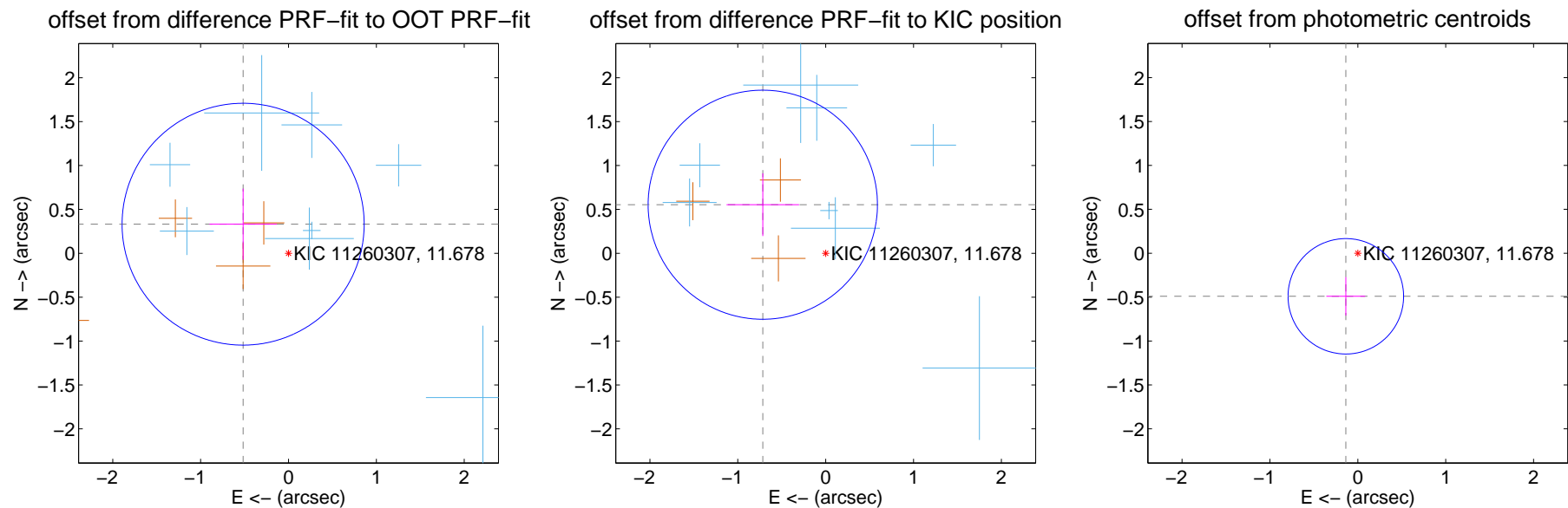
DV Centroid Data

Supplemental centroid analysis for 011260307-04. **Kepler magnitude: 11.68.** Transit SNR 7.82

There are 9 quarters with good PRF difference image offsets

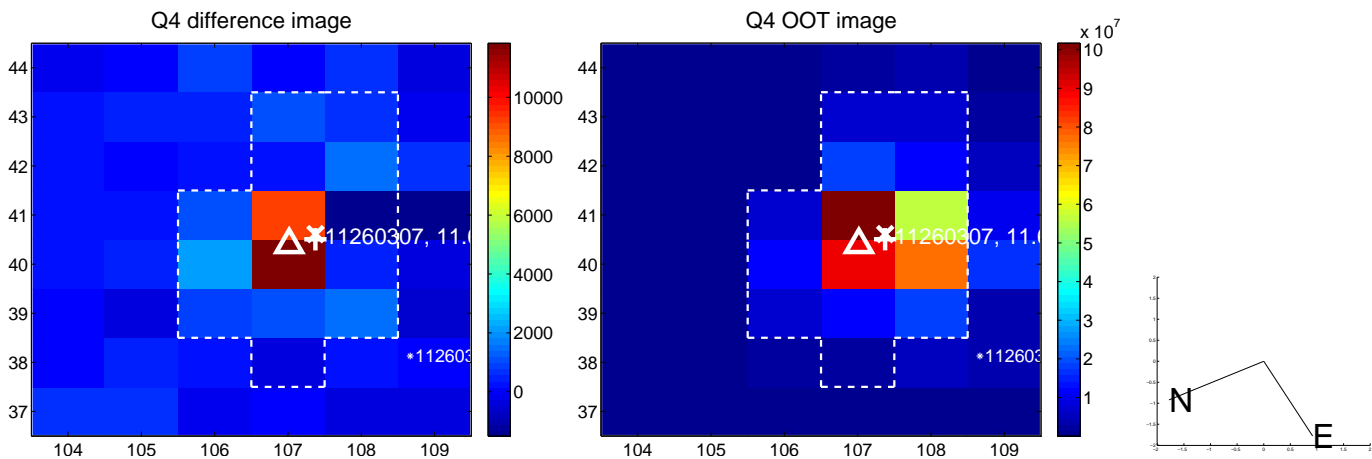
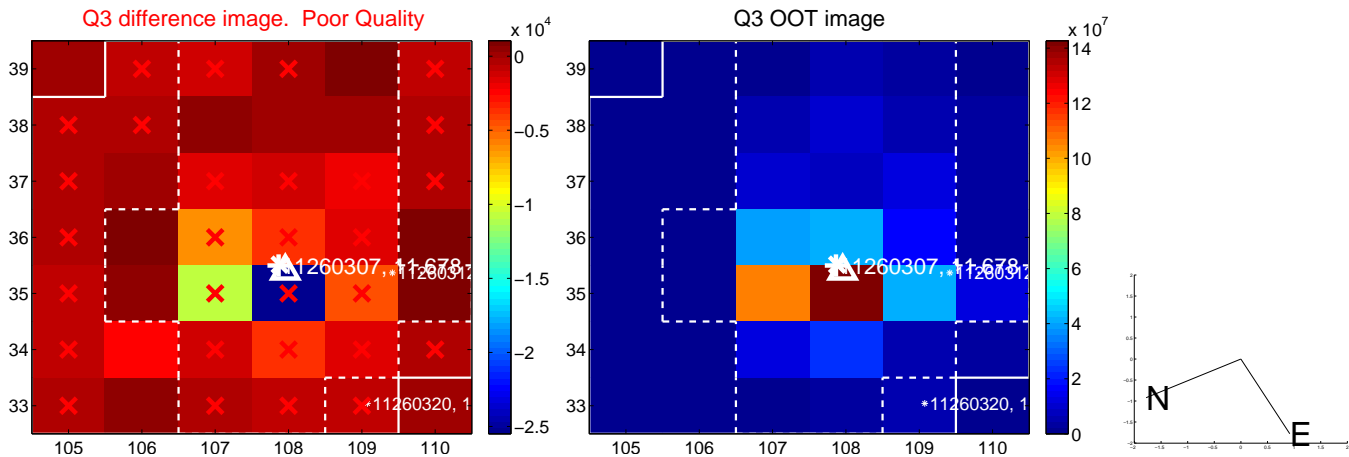
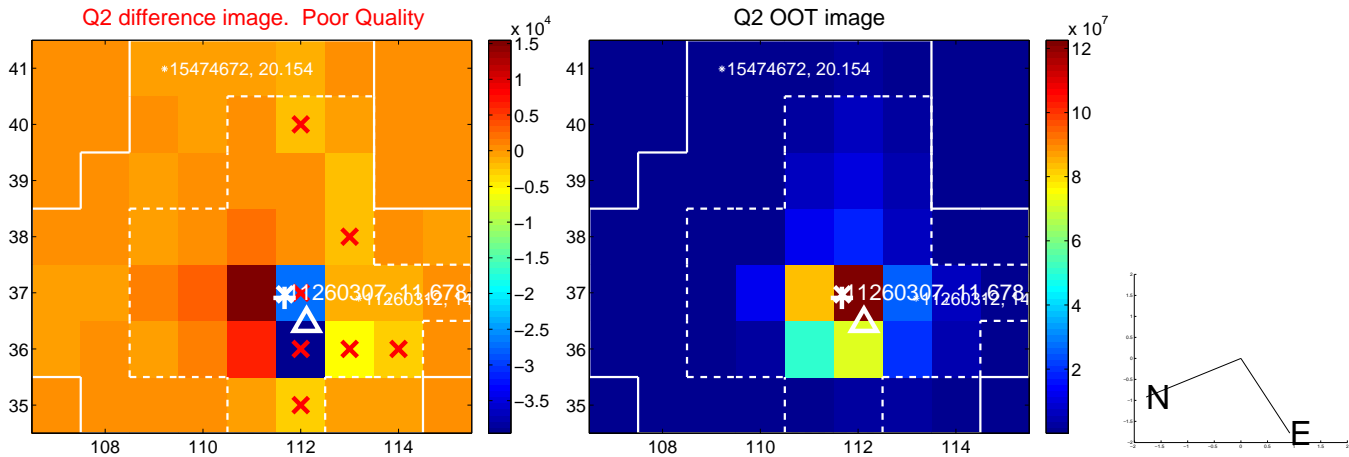
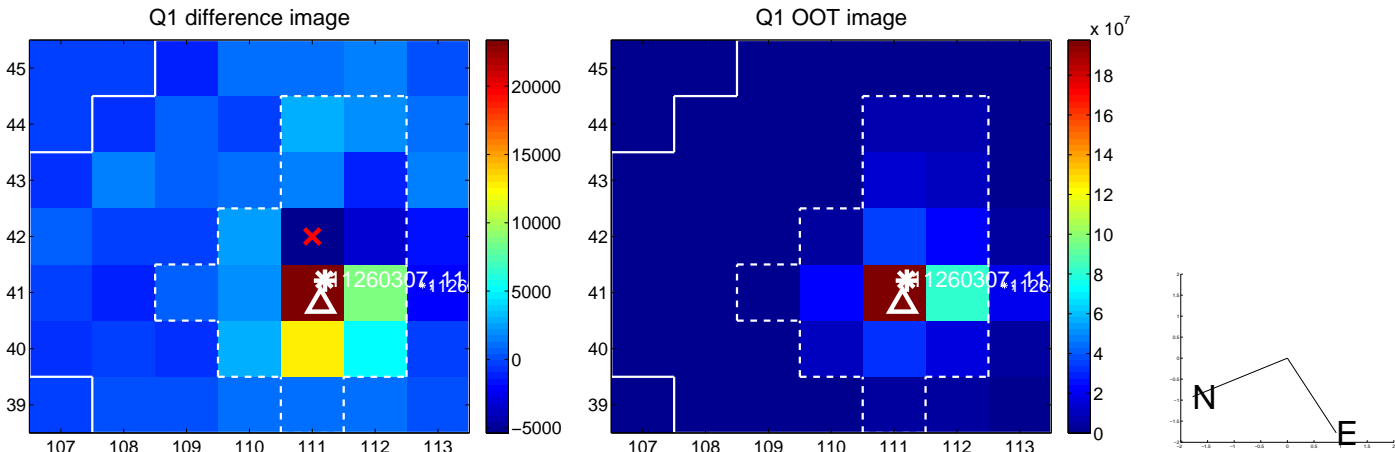
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.614 ± 0.459	1.34	0.517 ± 0.383	0.331 ± 0.406
PRF-fit source offset from KIC position	0.905 ± 0.435	2.08	0.716 ± 0.413	0.553 ± 0.358
photometric centroid source offset	0.51 ± 0.22	2.32	0.14 ± 0.22	-0.49 ± 0.22

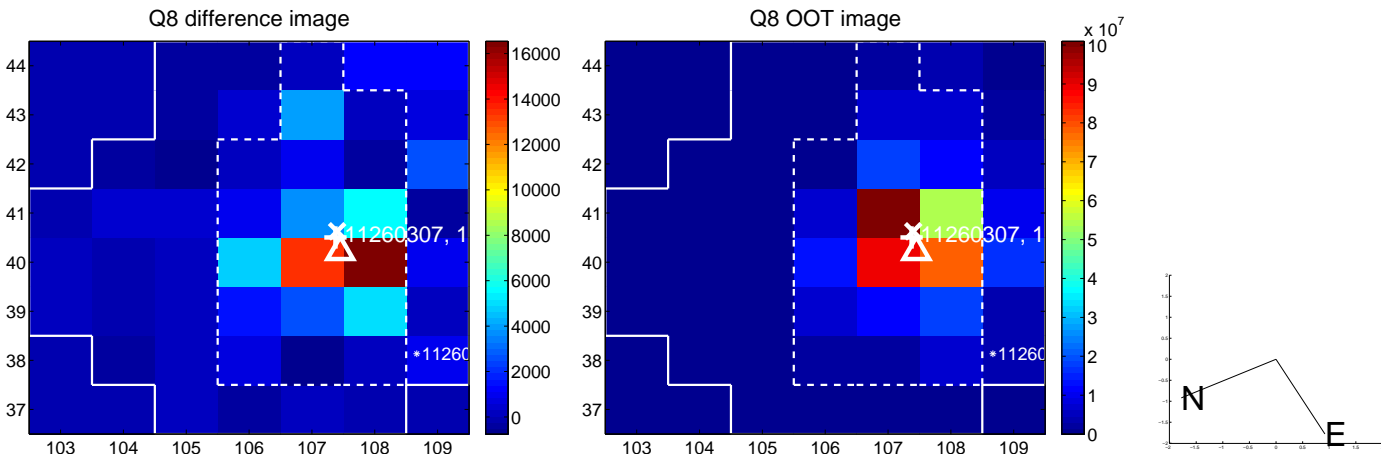
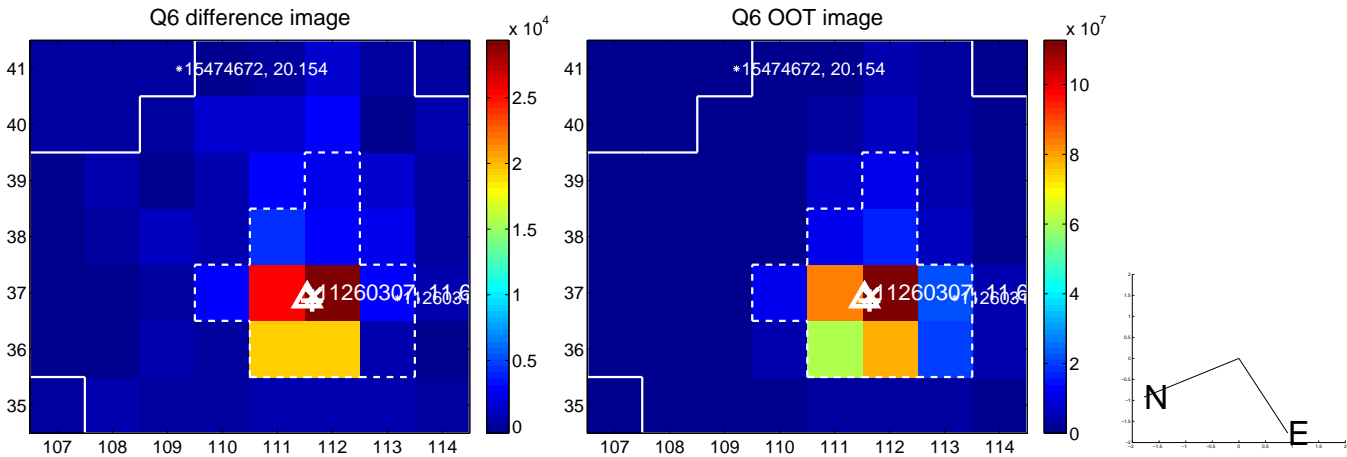
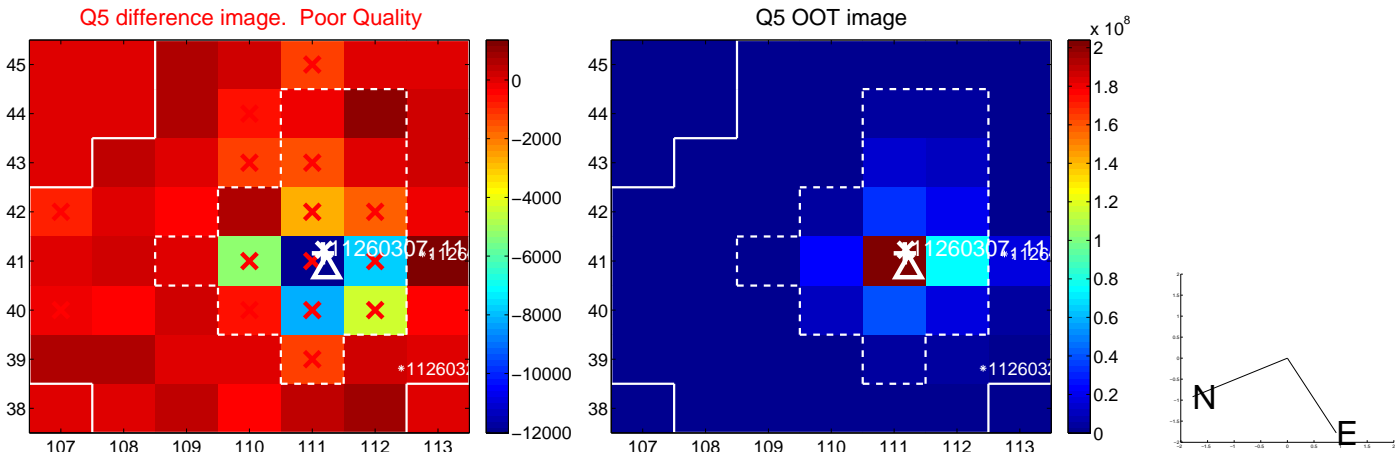


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

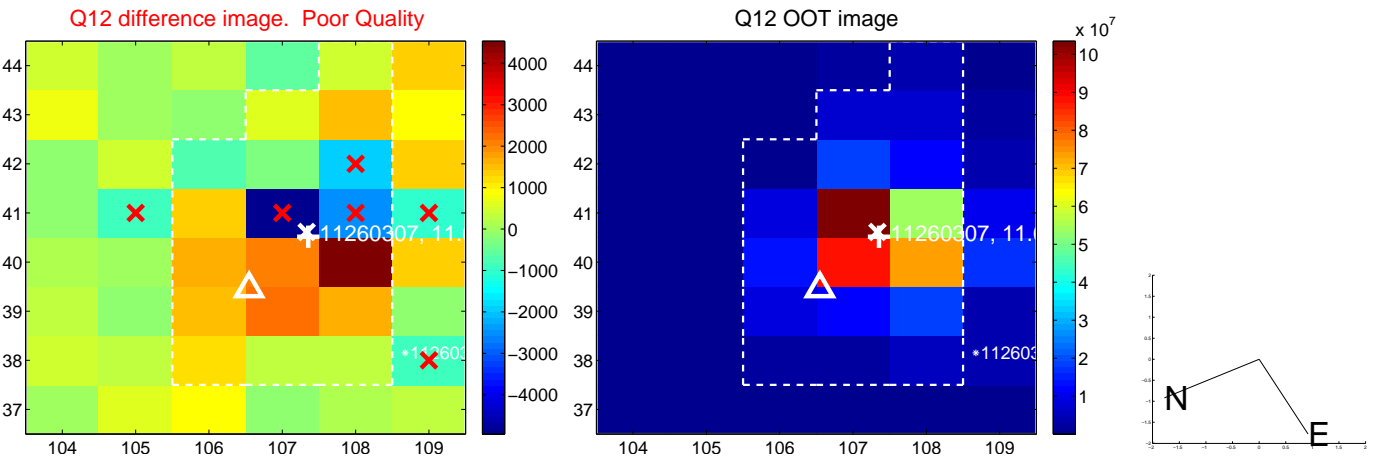
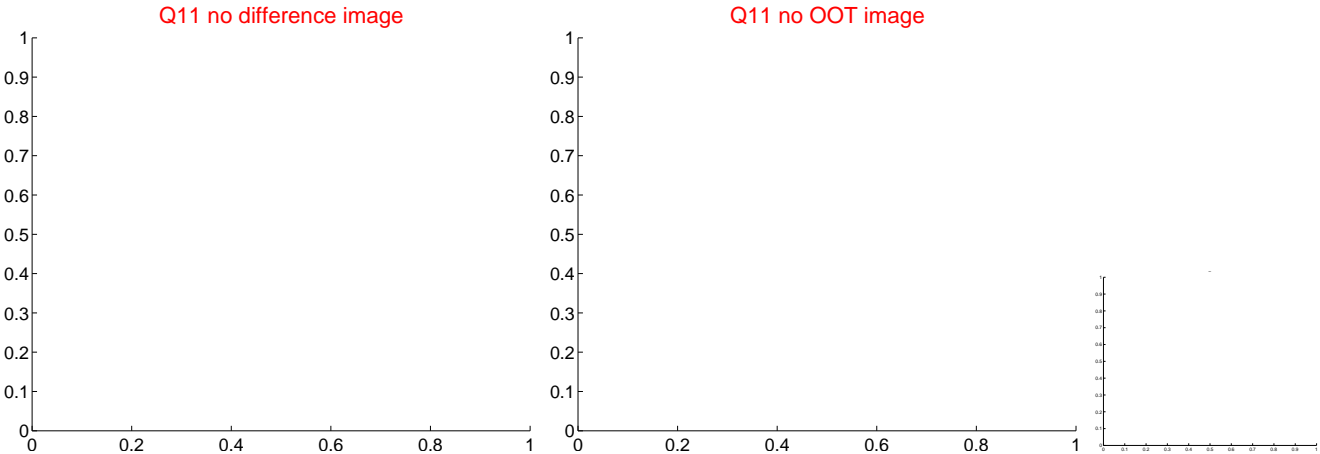
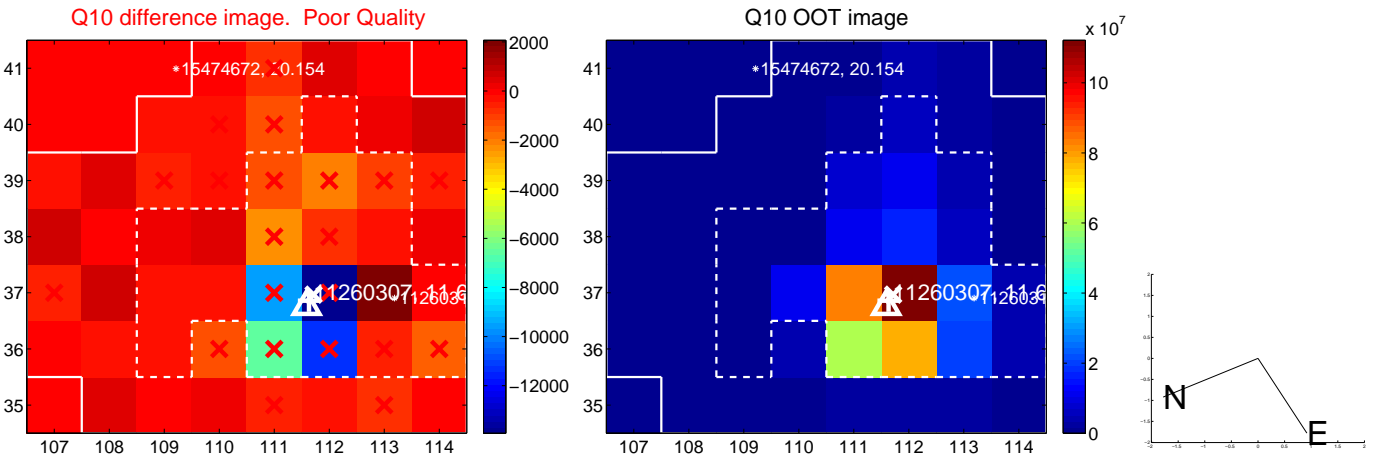
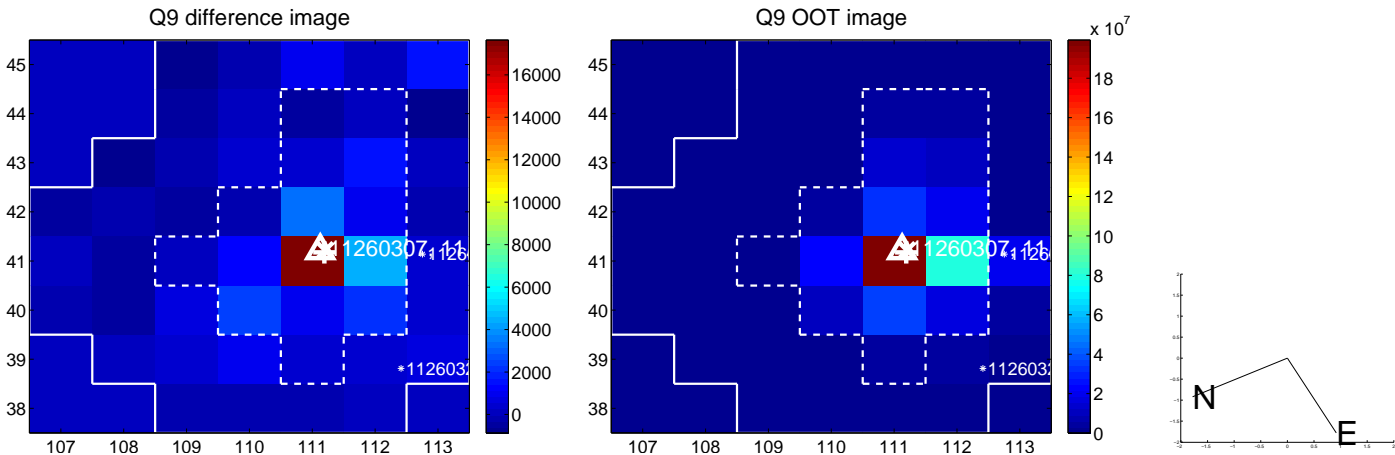
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



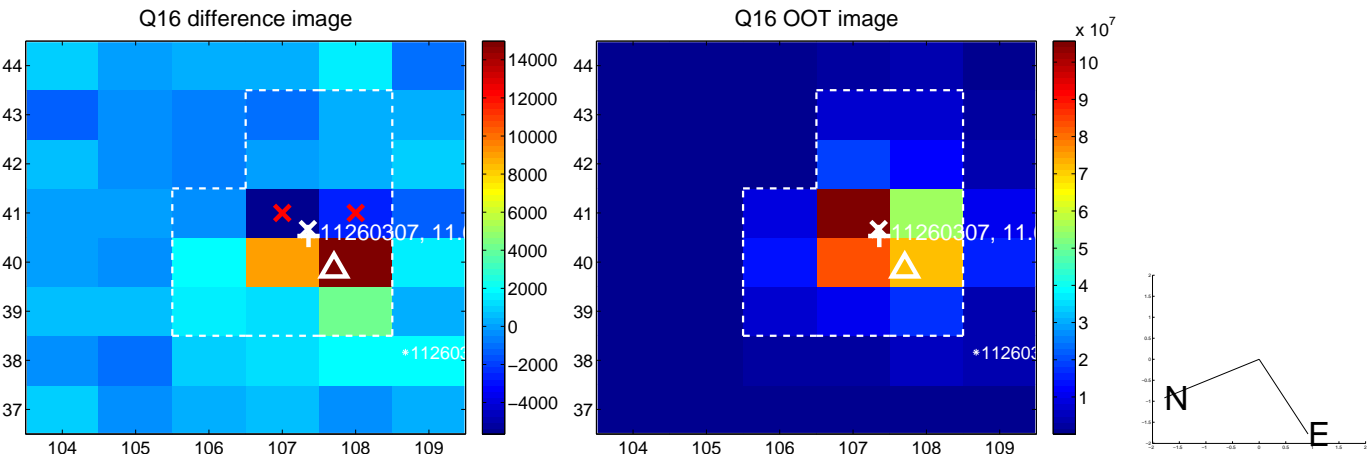
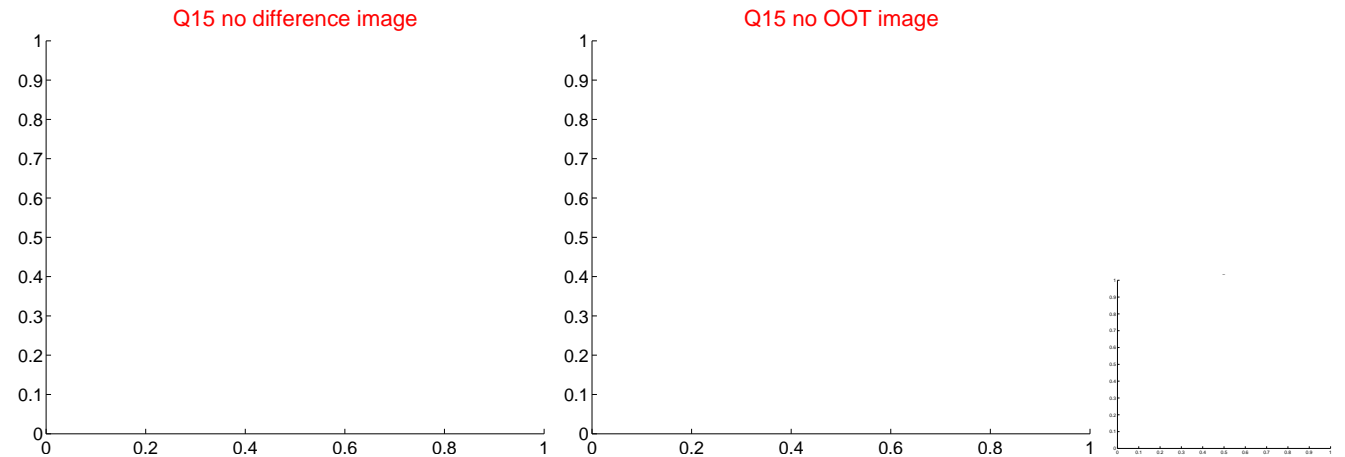
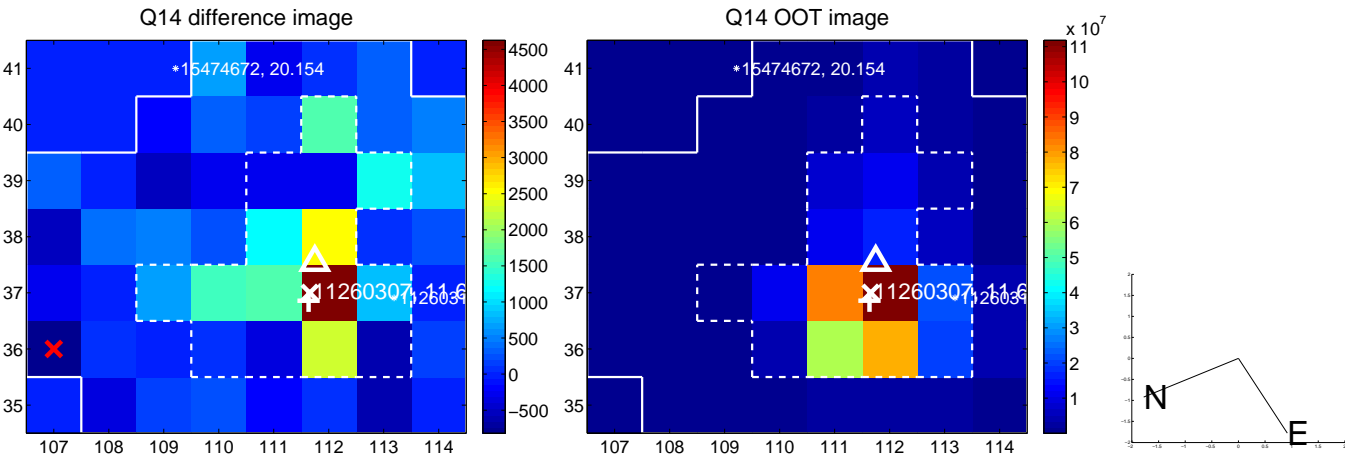
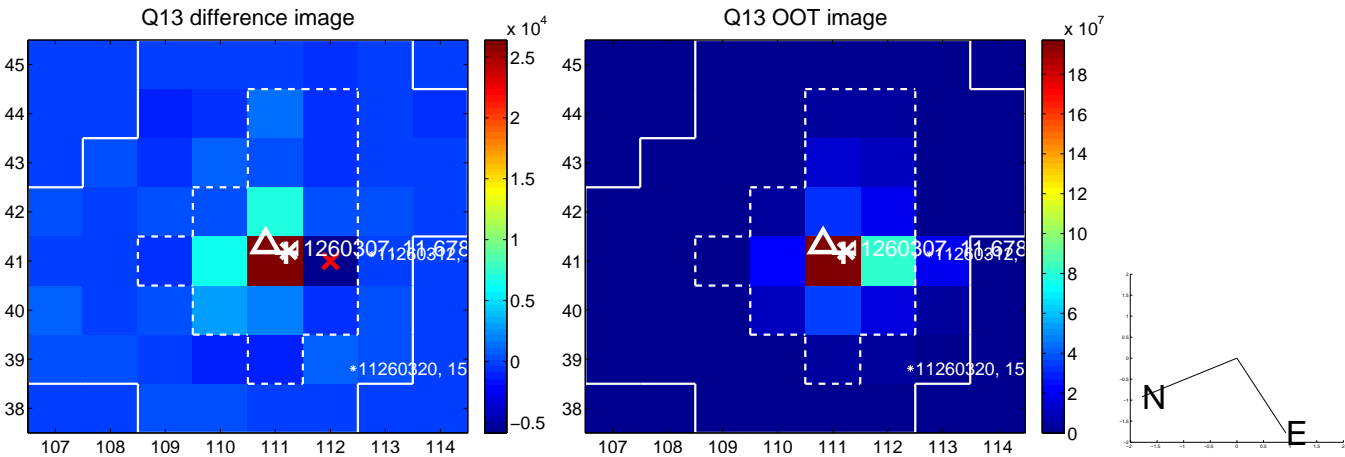
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



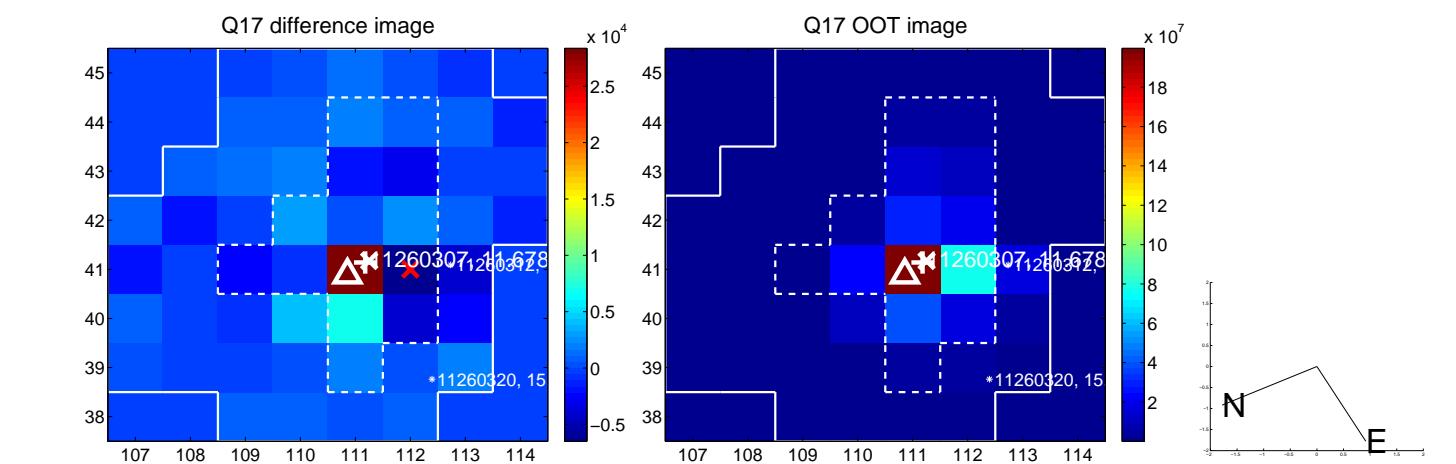
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



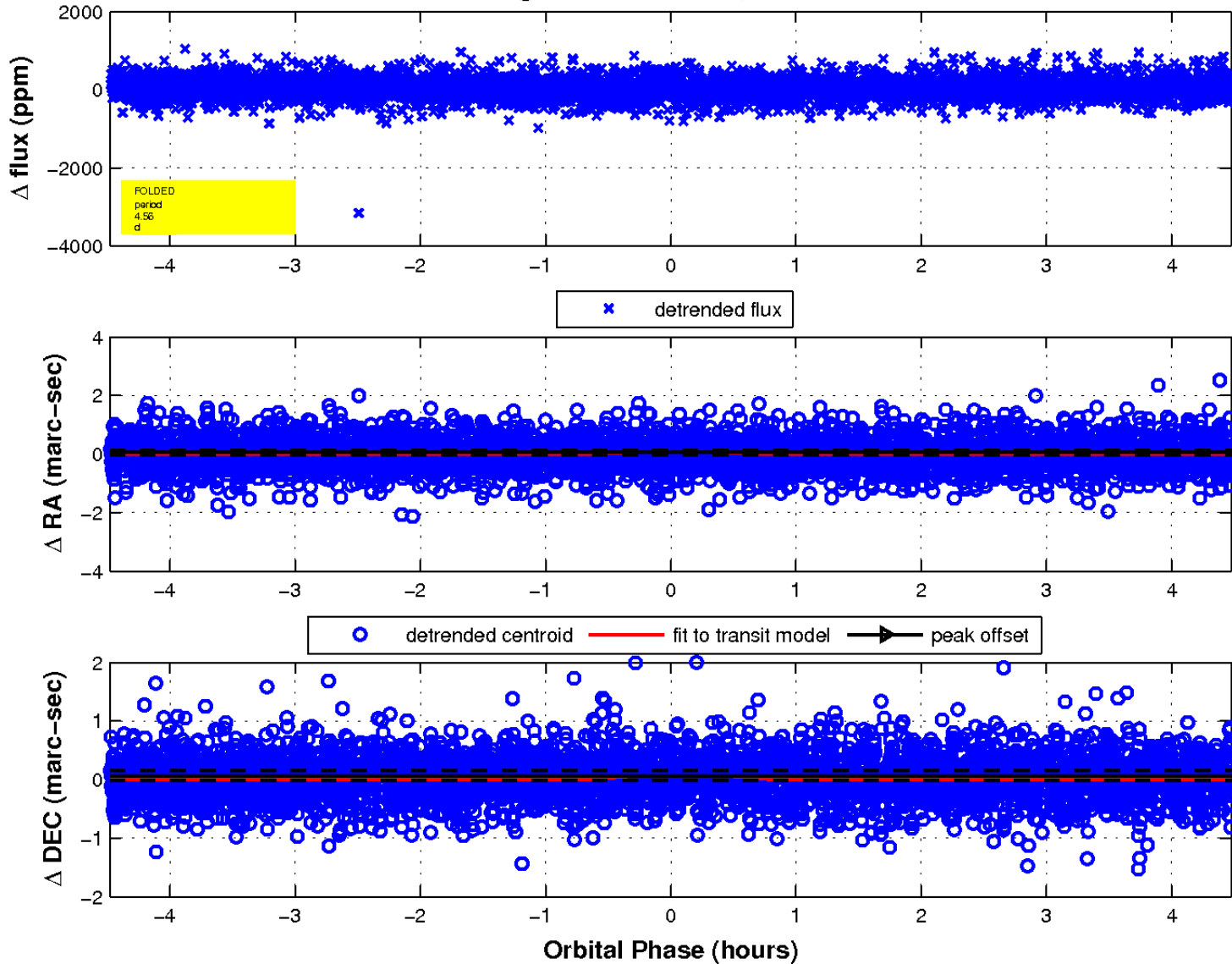
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



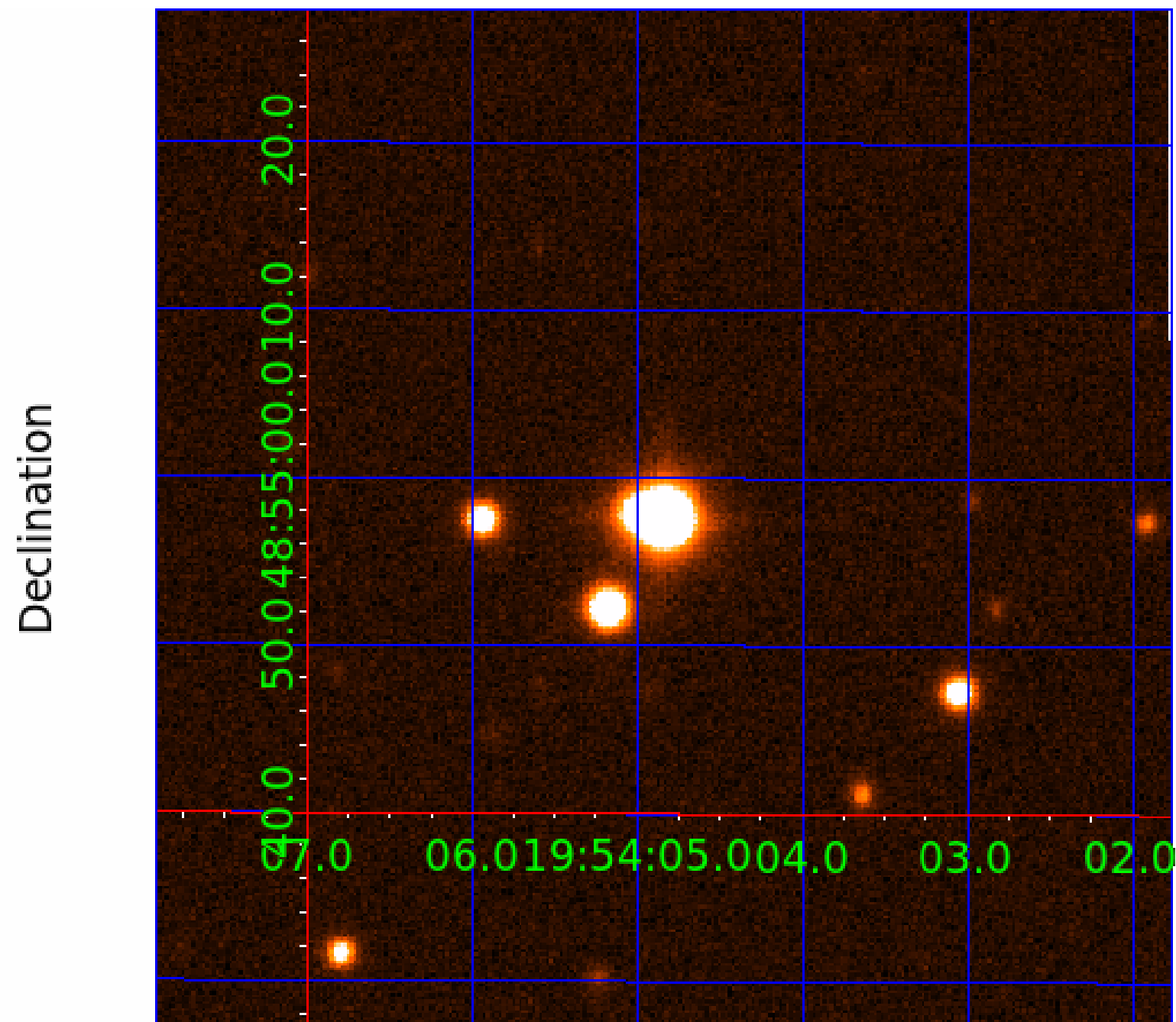
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



fluxWeightedCentroids, Planet 4 of 7



UKIRT Image



KIC 011260307

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})
011260307-01	OBS	No	0.684835	131.989925	66.8	2.816	14.4	16.6	1.99	7377	1.89	34412.96
011260307-02	OBS	No	0.684868	131.767432	60.3	4.246	14.0	13.8	1.99	7377	1.58	34410.74
011260307-03	OBS	No	4.317965	133.517470	307.8	1.414	10.3	10.0	1.99	7377	3.57	2954.37
011260307-04	OBS	No	4.560095	131.841772	223.2	1.493	9.9	7.8	1.99	7377	3.80	2747.08
011260307-05	OBS	No	4.915101	134.916809	310.3	1.328	9.8	8.2	1.99	7377	3.59	2485.76
011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011260307-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

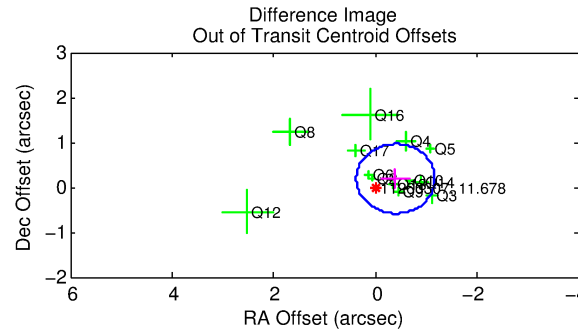
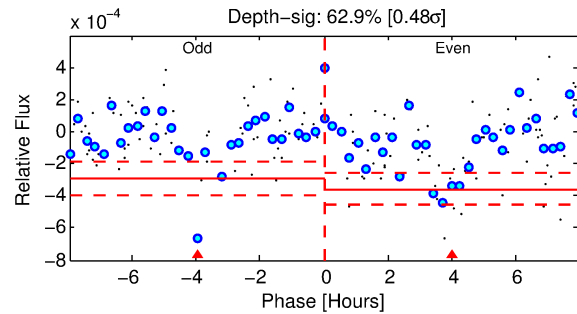
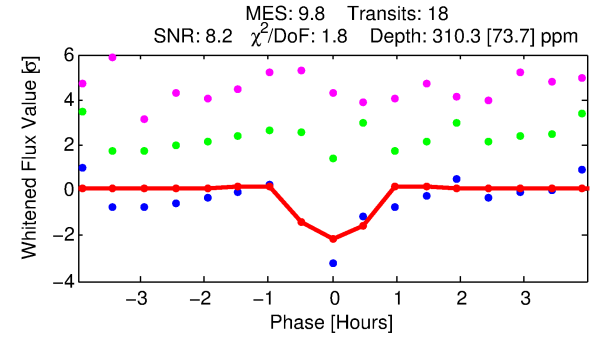
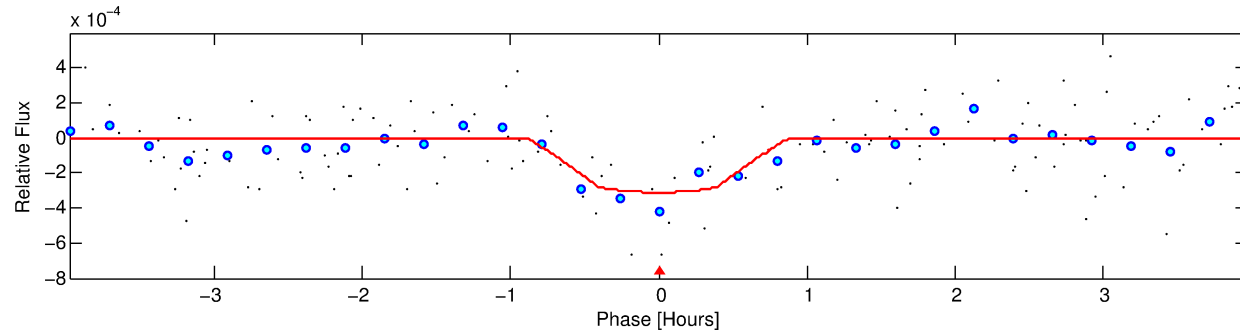
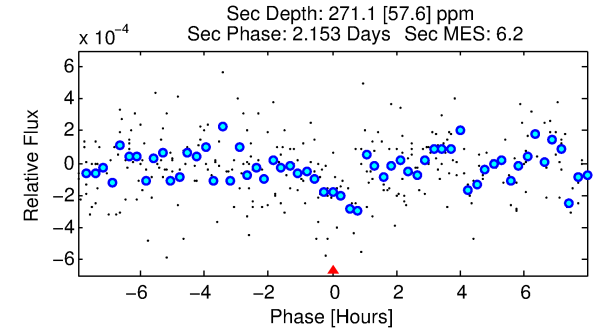
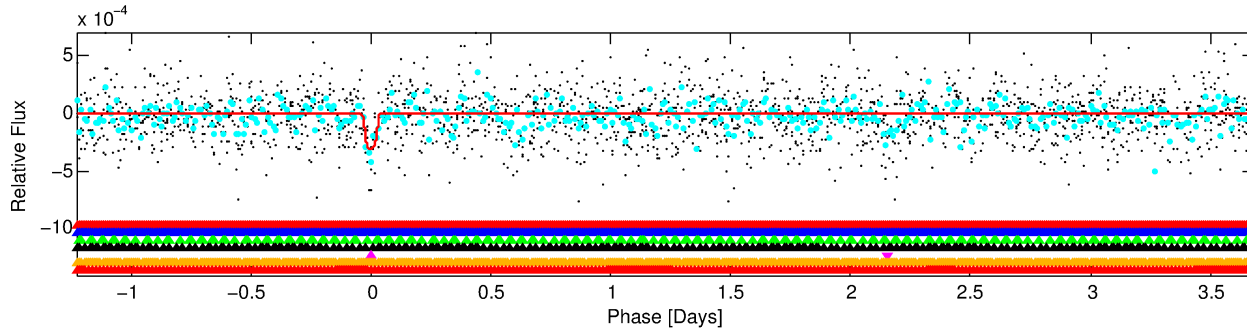
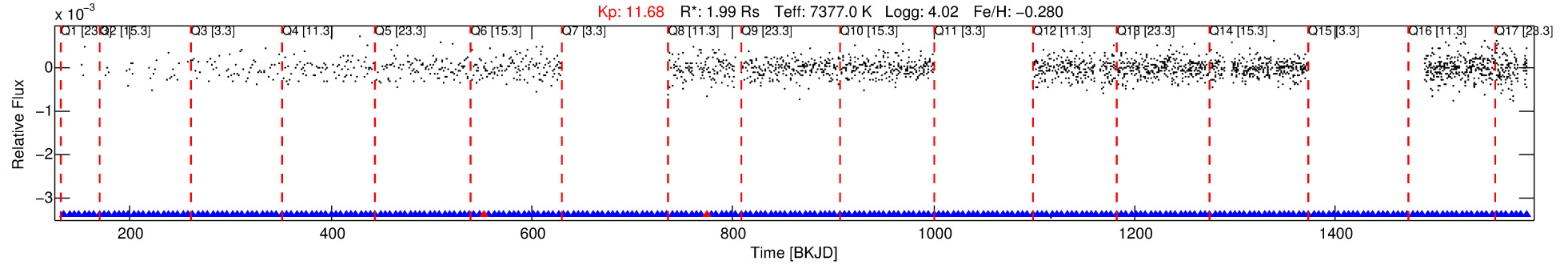
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-05

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 5 of 7 Period: 4.915 d



DV Fit Results:

Period = 4.91510 [0.00005] d
Epoch = 134.9168 [0.0068] BKJD
Rp/R* = 0.0165 [0.0374]
a/R* = 27.44 [363.61]
b = 0.30 [39.66]
Seff = 2485.76 [1093.17]
Teq = 1800 [198] K
Rp = 3.59 [8.19] Re
a = 0.0650 [0.0170] AU
Ag = 48.90 [222.64] [0.22σ]
Teffp = 7361 [8351] K [0.67σ]

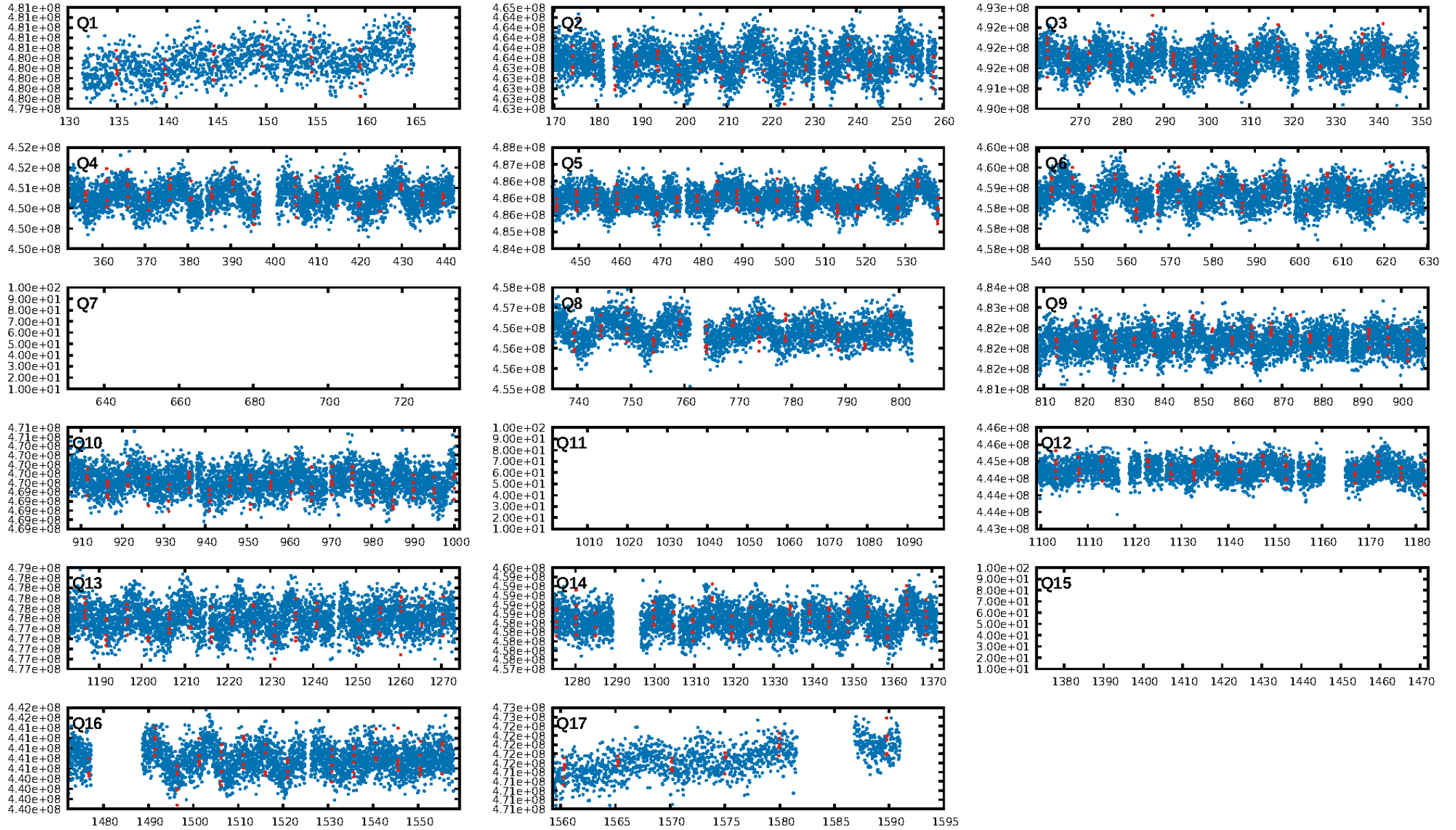
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [4.26σ]
LongPeriod-sig: N/A
ModelChiSquare2-sig: 2.1%
ModelChiSquareGof-sig: 99.9%
Bootstrap-pfa: 1.72e-09
RollingBand-fgt: 0.88 [15/17]
GhostDiagnostic-chr: 0.3931
Centroid-sig: 13.3%
Centroid-so: 0.180 arcsec [1.15σ]
OotOffset-rm: 0.435 arcsec [1.69σ]
OotOffset-st: 4/1/4/4 [13]
KicOffset-rm: 0.519 arcsec [2.50σ]
KicOffset-st: 4/1/4/4 [13]
DiffImageQuality-fgm: 0.46 [6/13]
DiffImageOverlap-fno: 0.00 [0/14]

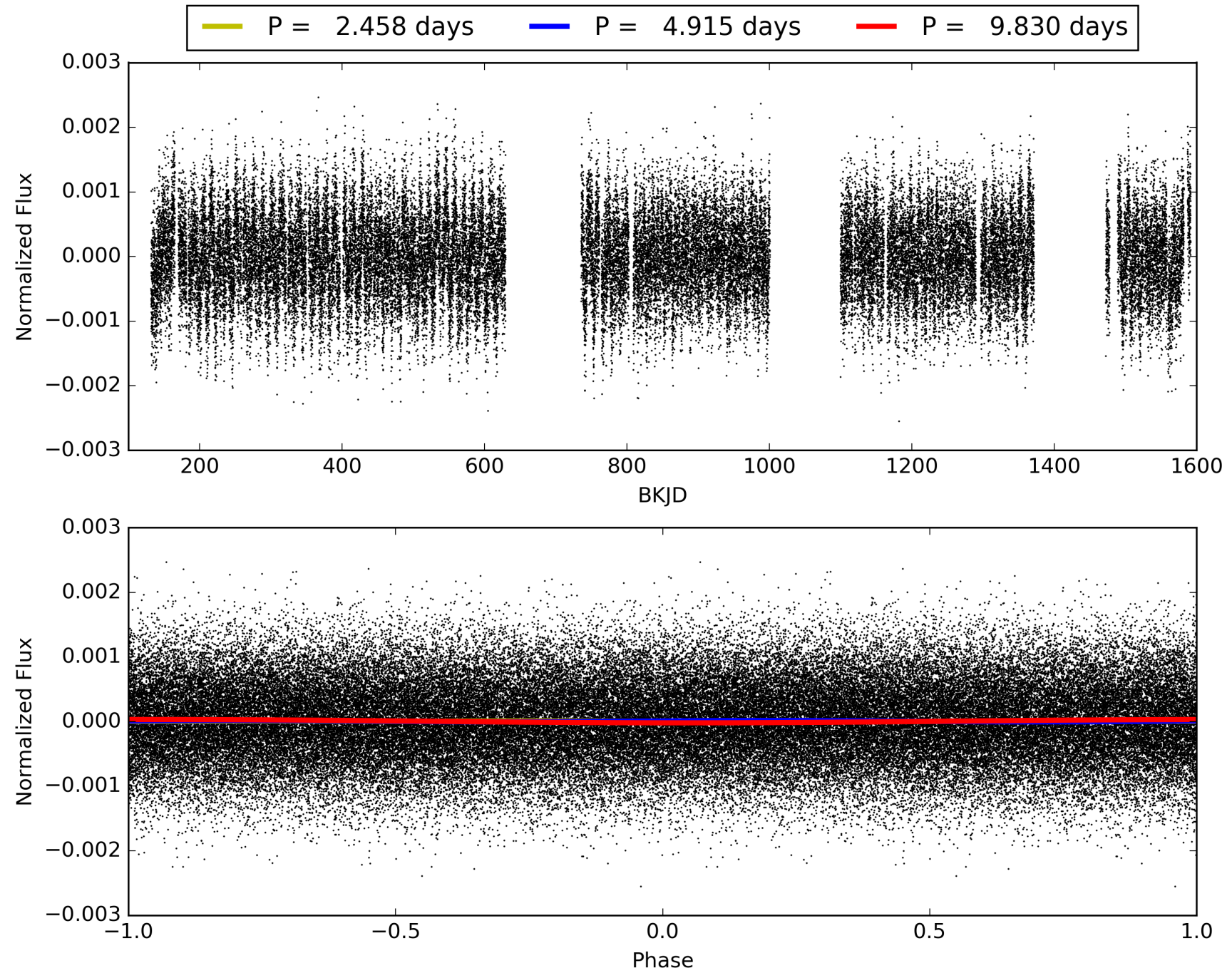
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:00:03 Z

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

TCE 011260307-05, PDC Light Curves

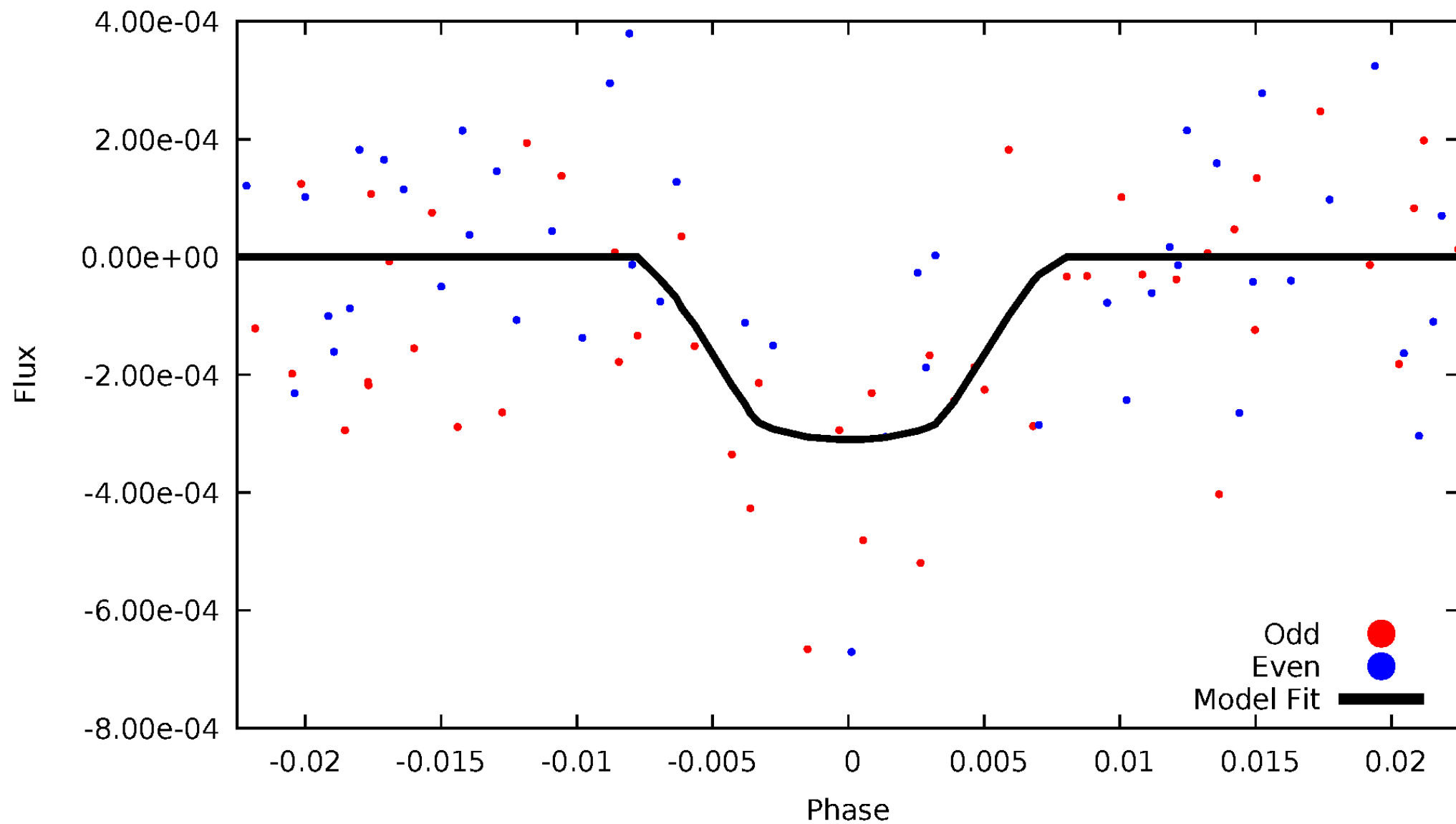


TCE 011260307-05



DV Odd/Even

TCE 011260307-05

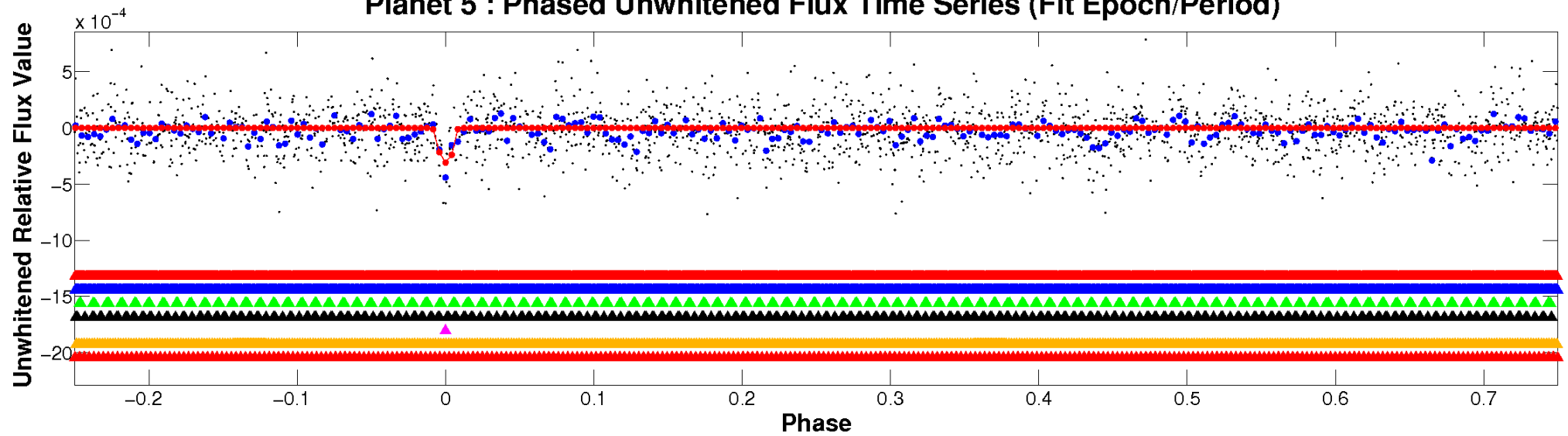


ALT Odd/Even

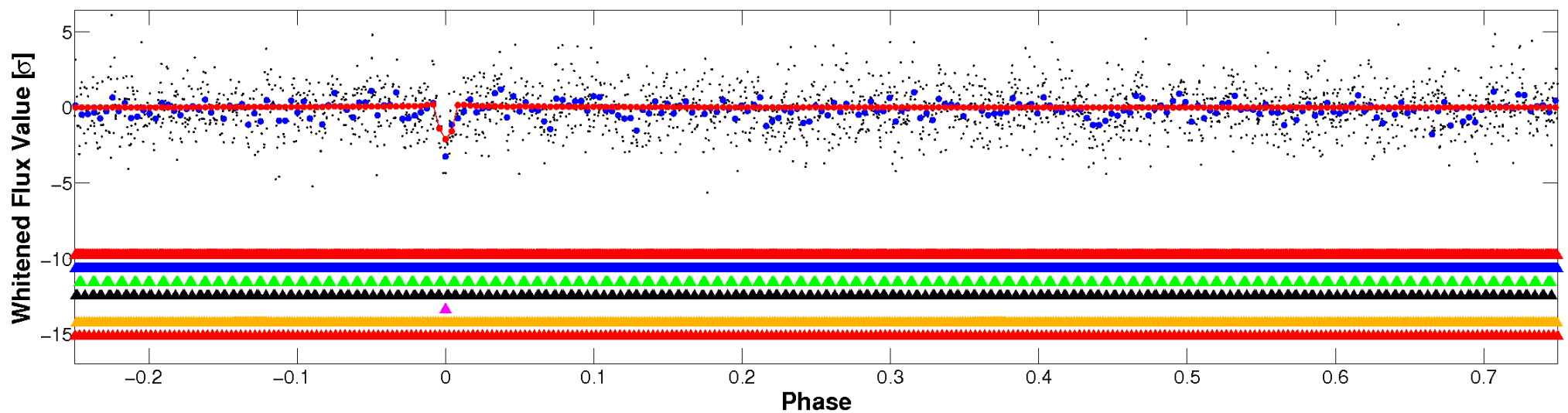
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

Planet 5 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

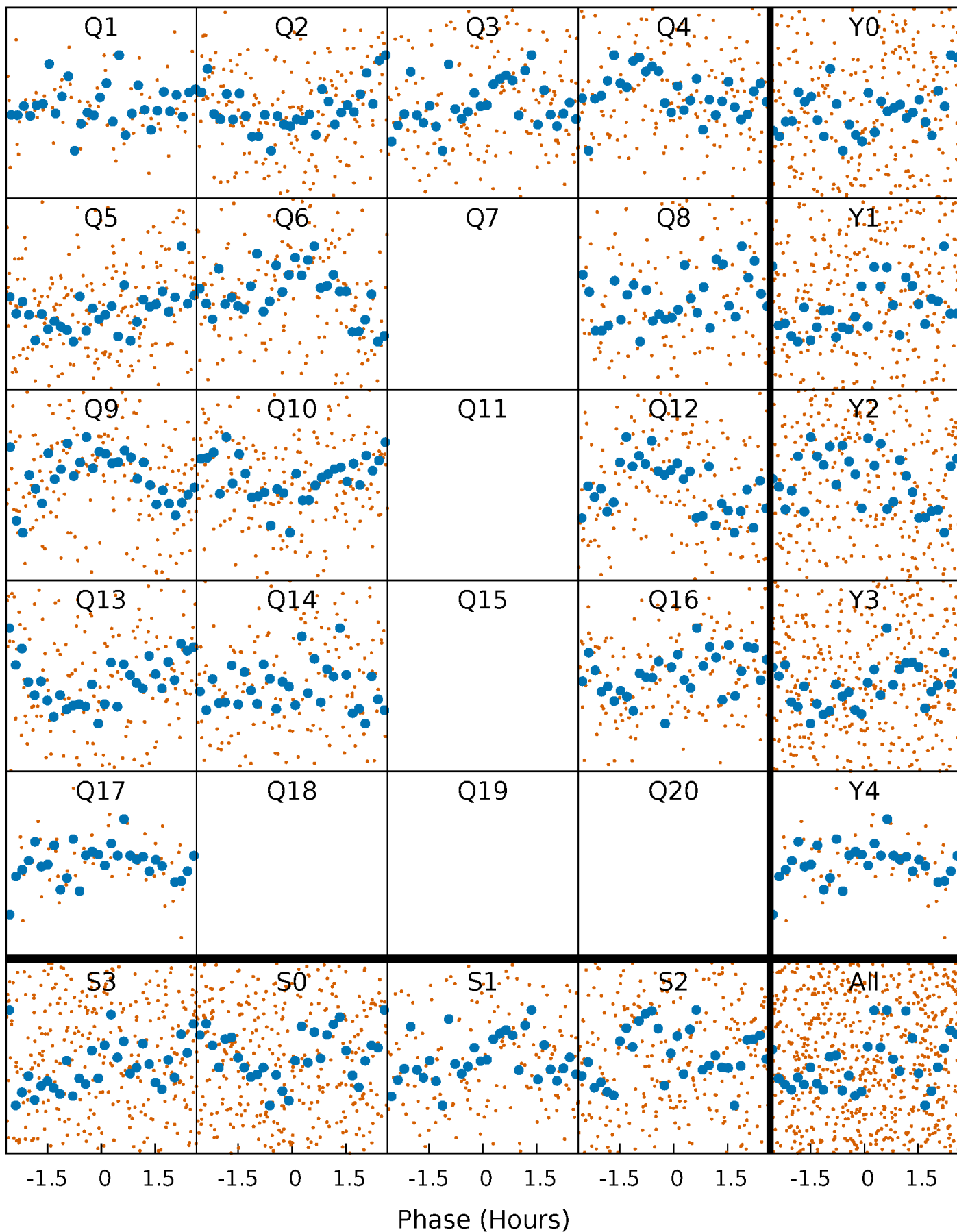


Planet 5 : Phased Whitened Flux Time Series (Fit Epoch/Period)



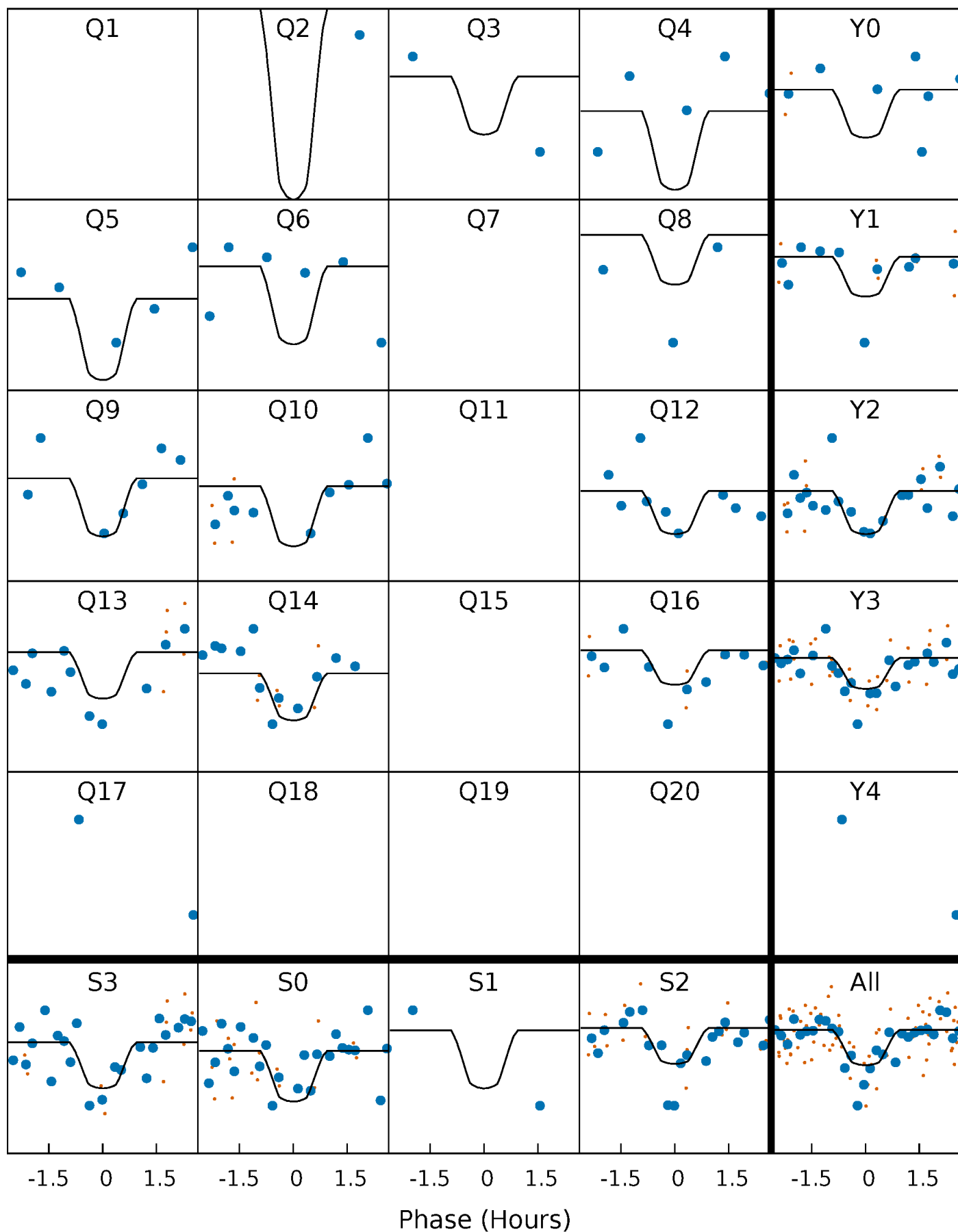
PDC Quarter-Phased Transit Curves

TCE 011260307-05 P= 4.915101 Days $T_0=134.916809$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 011260307-05 $P = 4.915101$ Days $T_0 = 134.916809$ (BKJD)

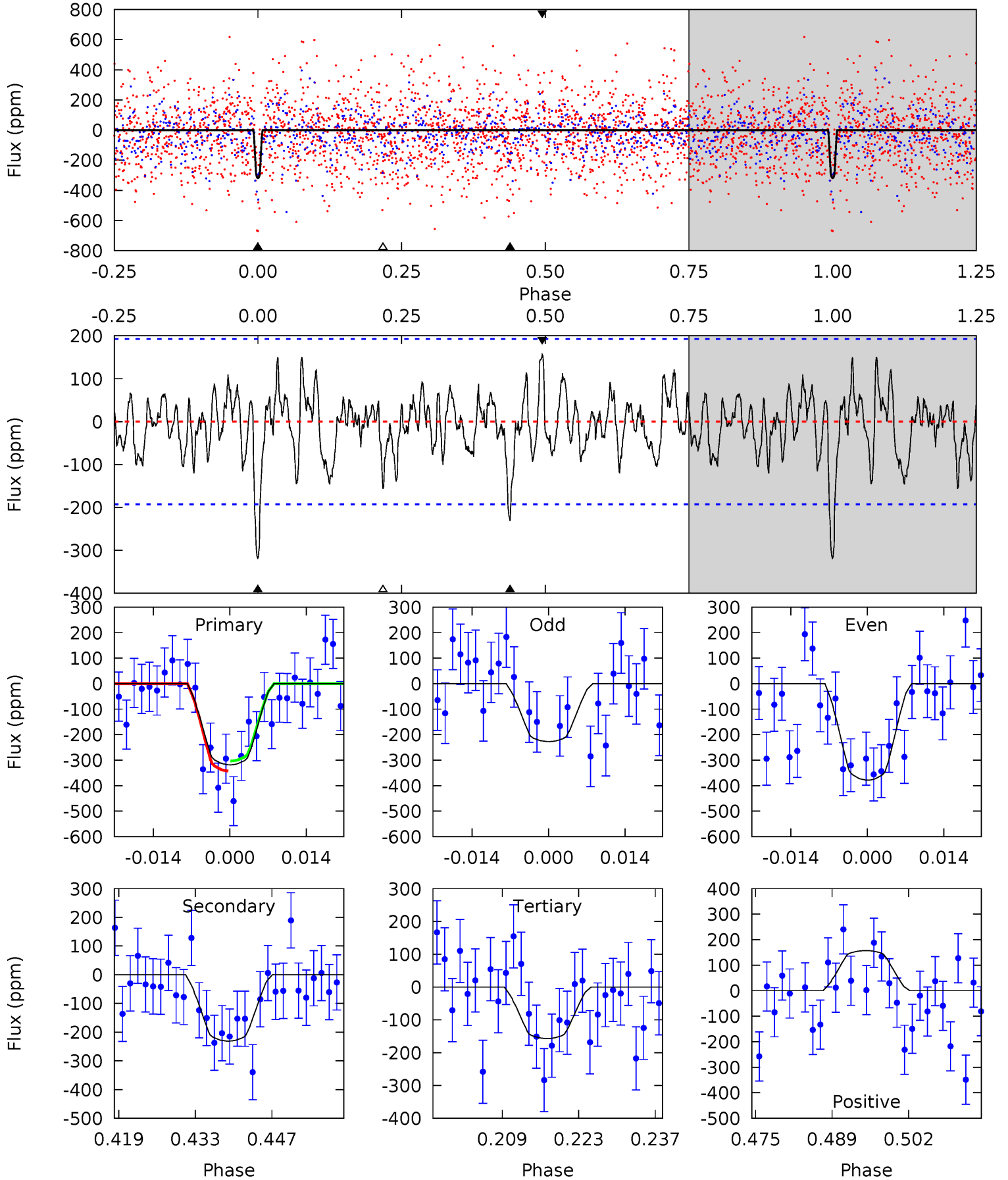


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

011260307-05, P = 4.915101 Days, E = 134.916809 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.20	5.95	4.04	4.04	4.96	2.46	1.45	4.16	4.15	1.91	1.91	1.86	1.41	0.33	0.51



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-05 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-231 ± 39	$6.78^{+7.21}_{-4.61}$	2501^{+177}_{-202}	5018^{+4084}_{-1204}	12^{+103}_{-9}
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 $A_{obs} \gg 1.0$

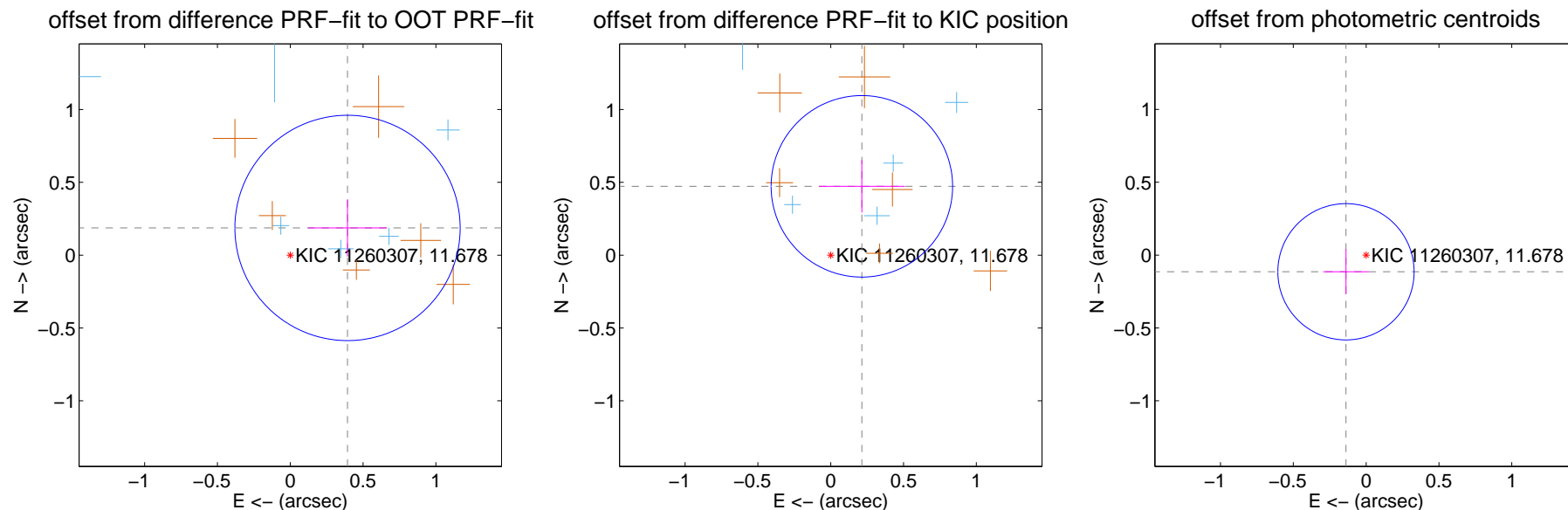
DV Centroid Data

Supplemental centroid analysis for 011260307-05. **Kepler magnitude: 11.68.** Transit SNR 8.22

There are 6 quarters with good PRF difference image offsets

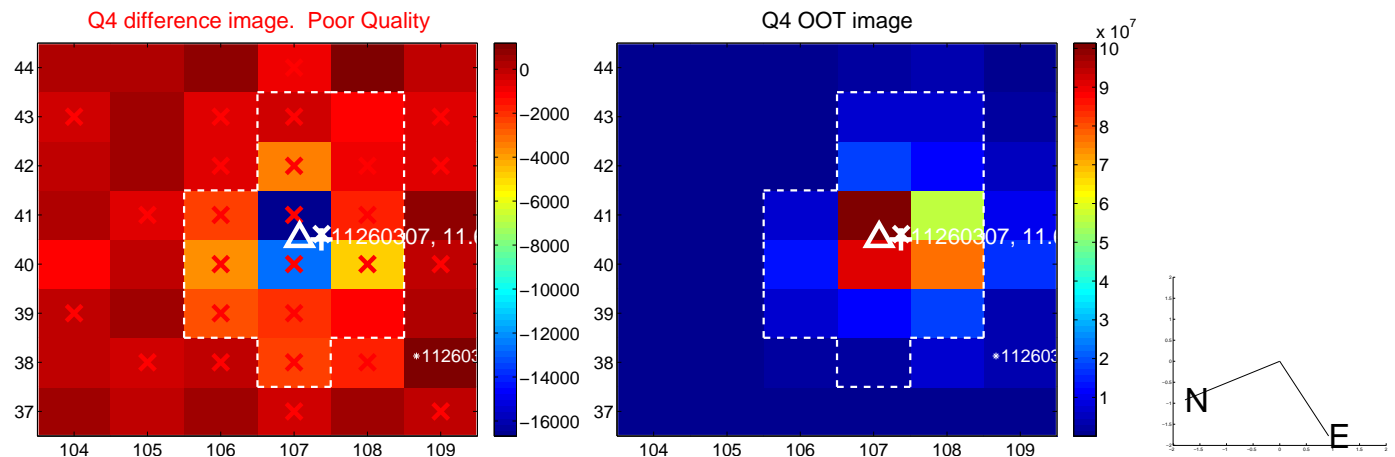
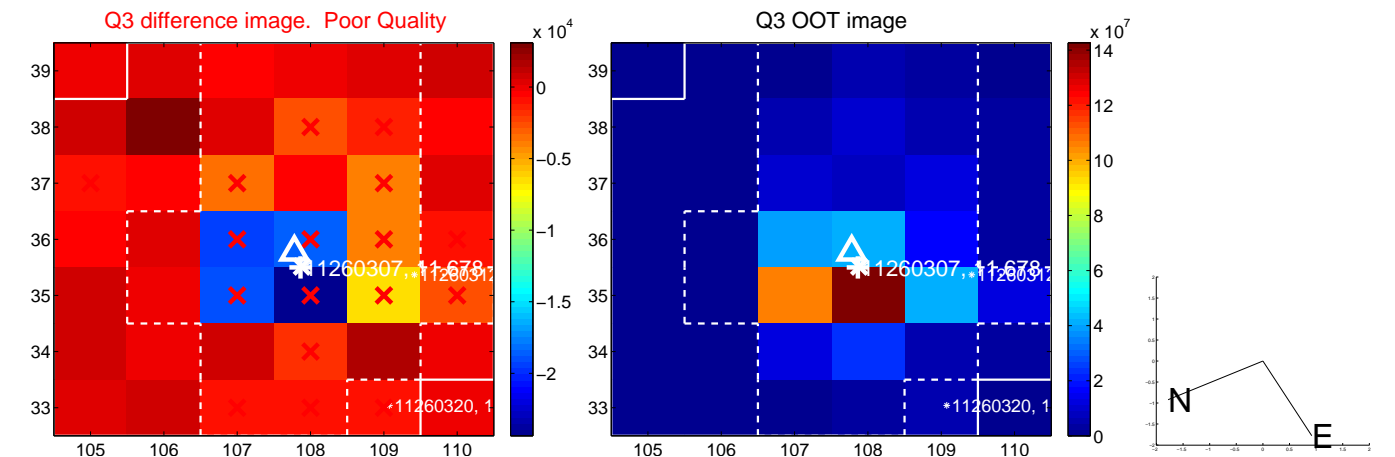
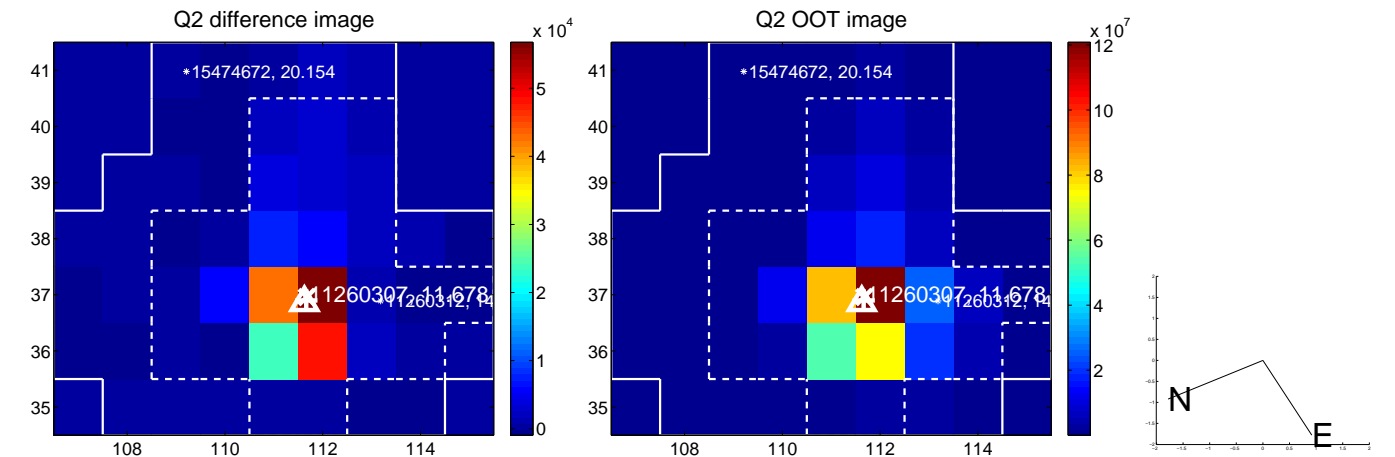
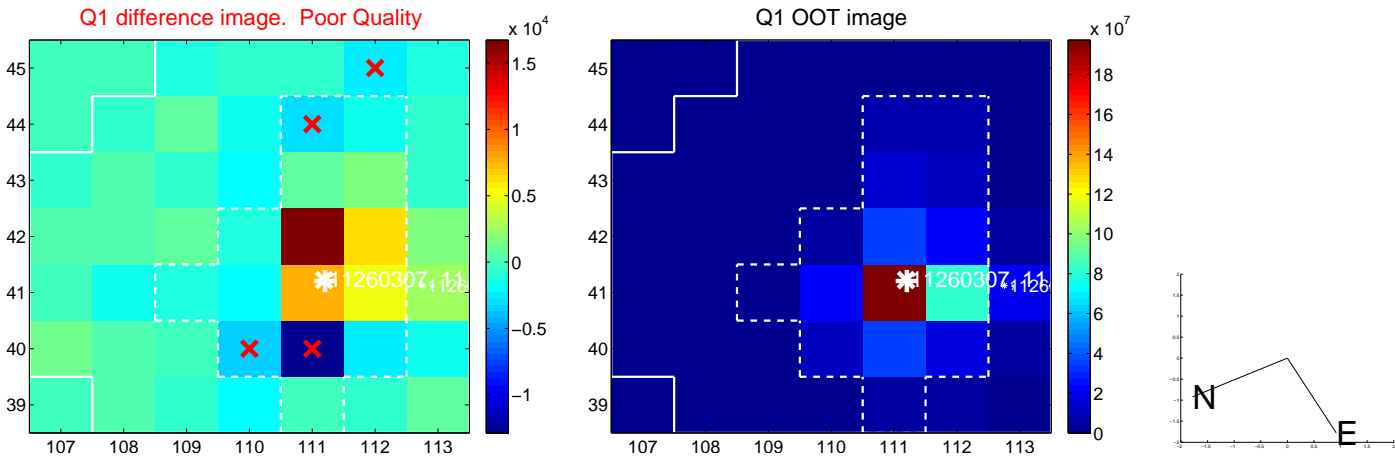
The direct PRF centroid is offset from the target star catalog position by about 0.31 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.435 ± 0.258	1.69	-0.393 ± 0.271	0.187 ± 0.196
PRF-fit source offset from KIC position	0.519 ± 0.208	2.50	-0.214 ± 0.295	0.473 ± 0.180
photometric centroid source offset	0.18 ± 0.16	1.15	0.14 ± 0.16	-0.11 ± 0.15

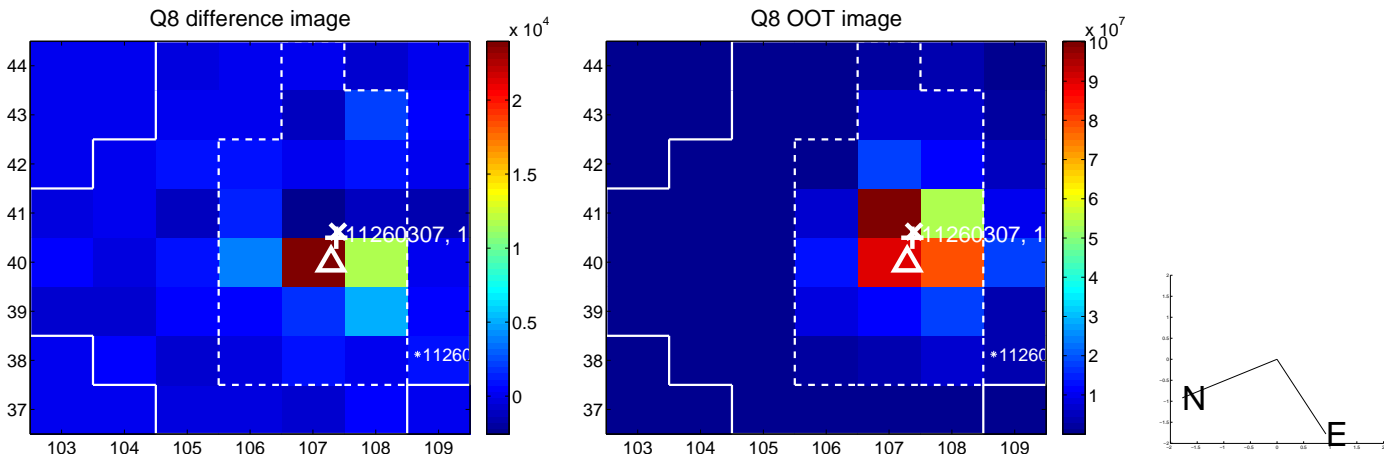
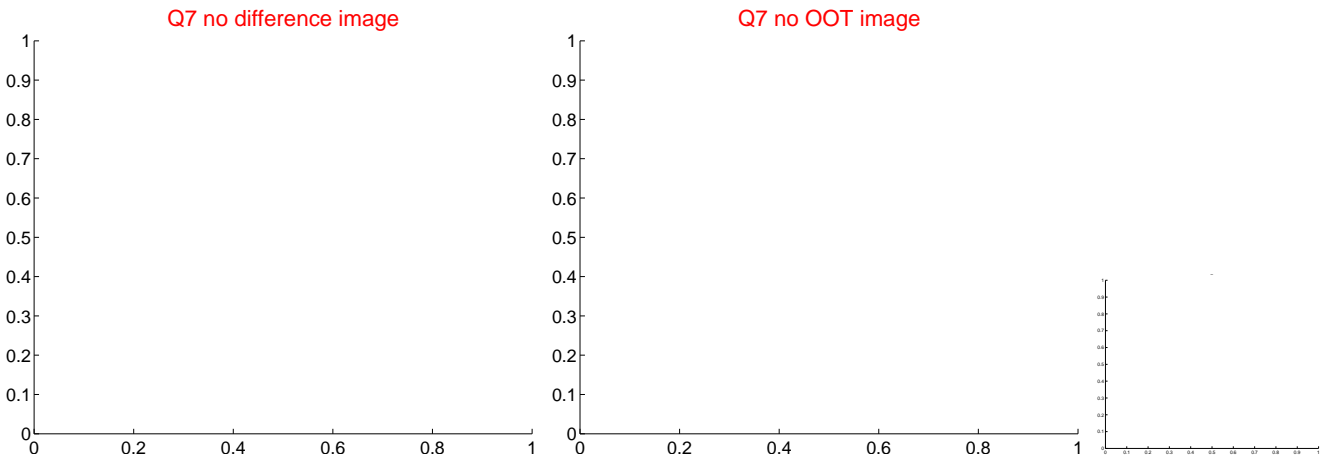
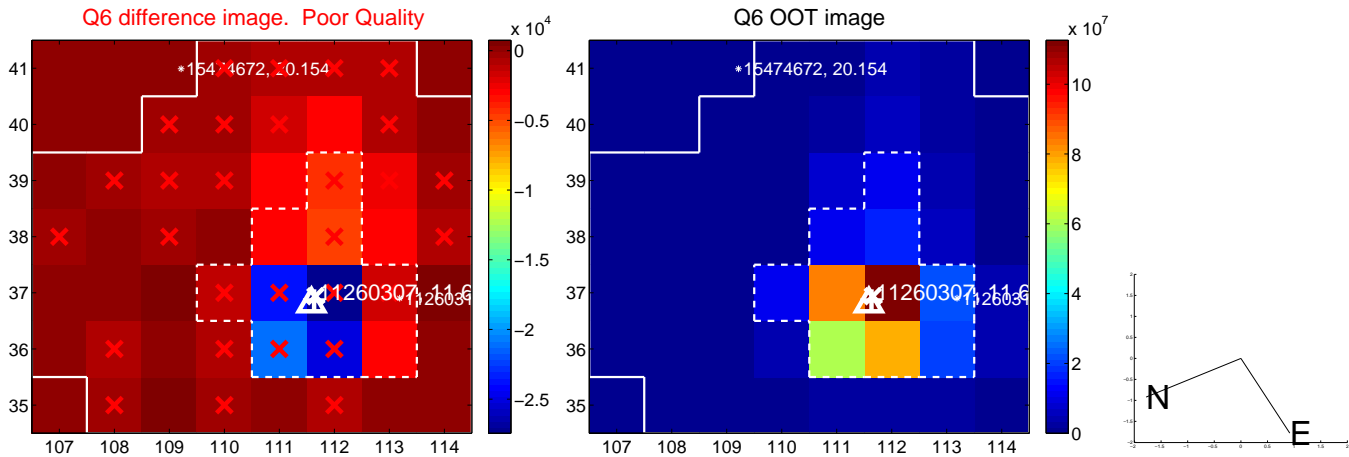
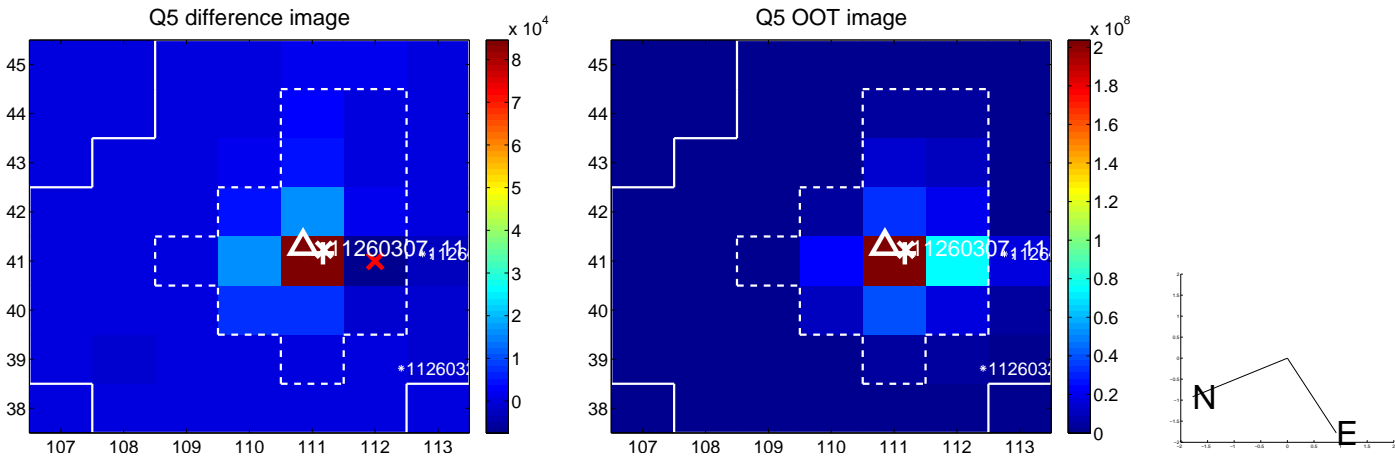


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

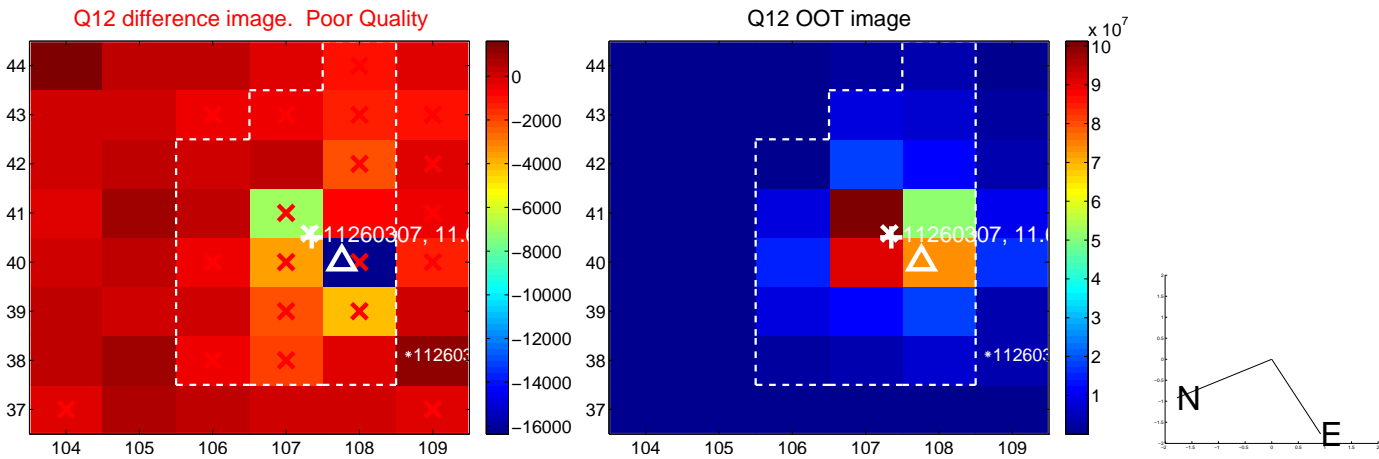
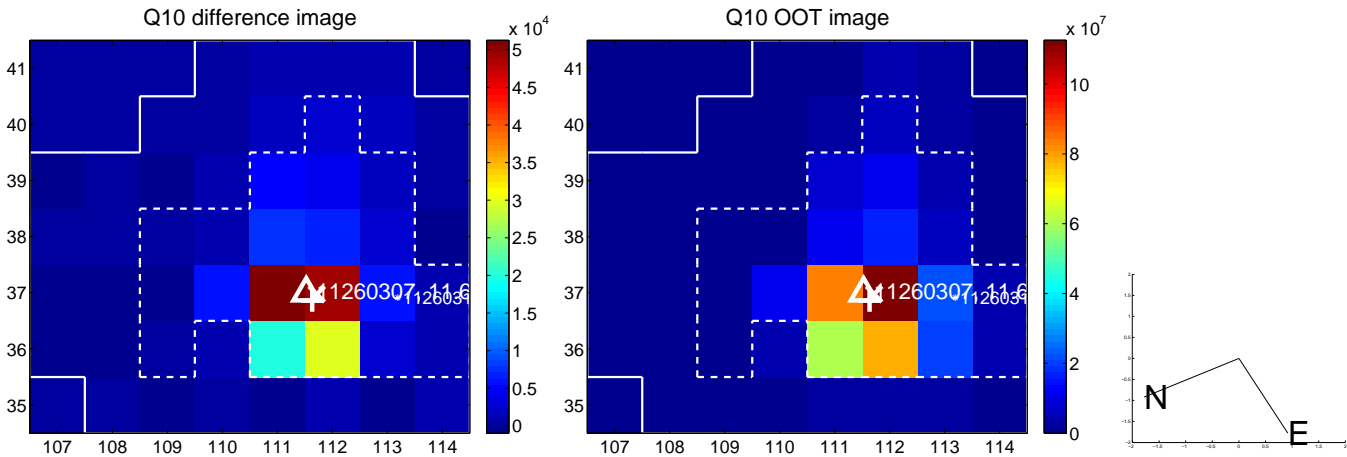
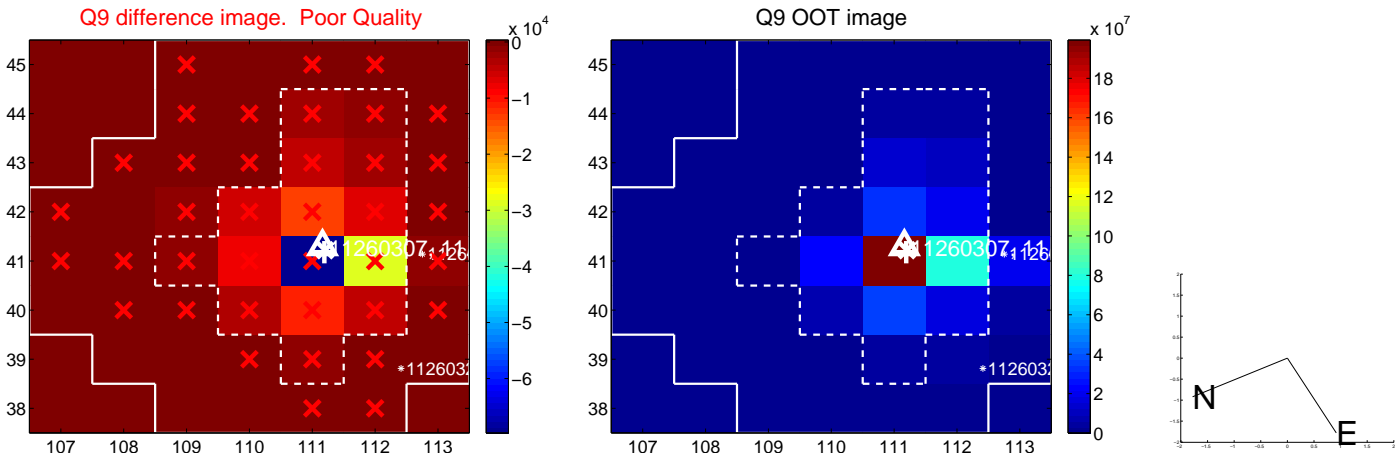
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



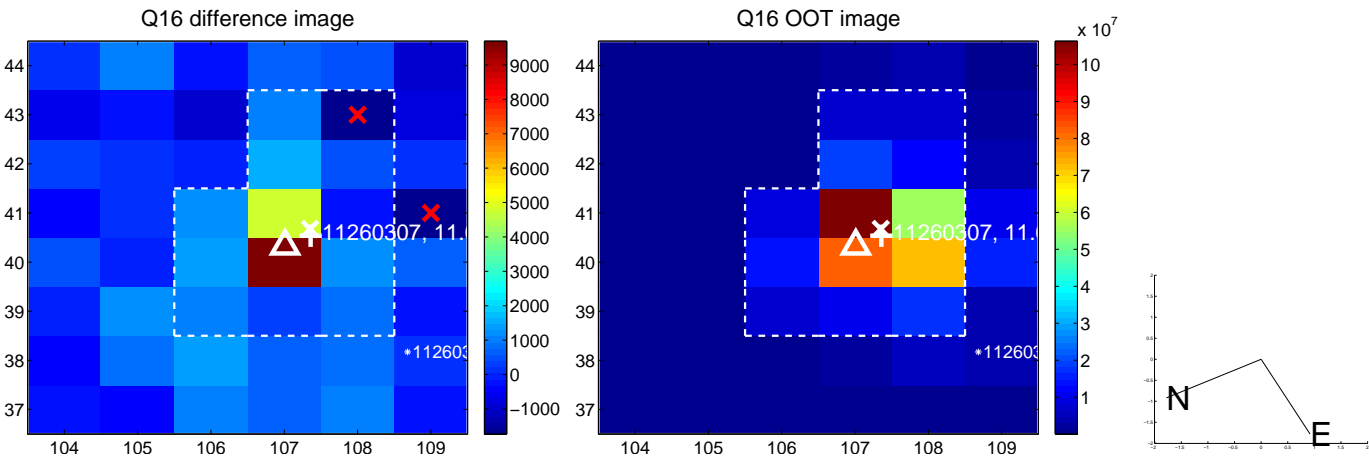
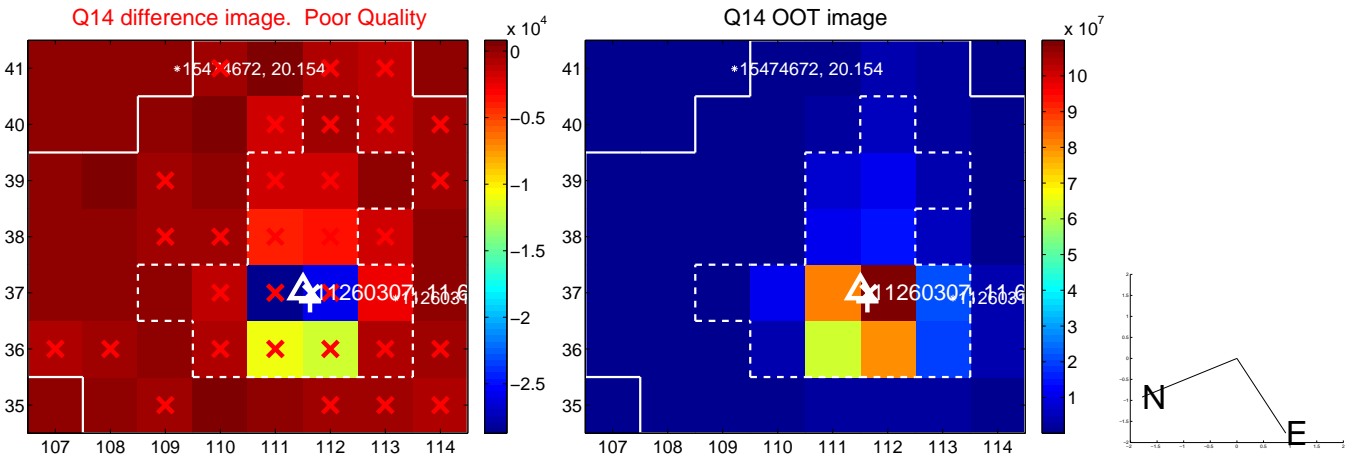
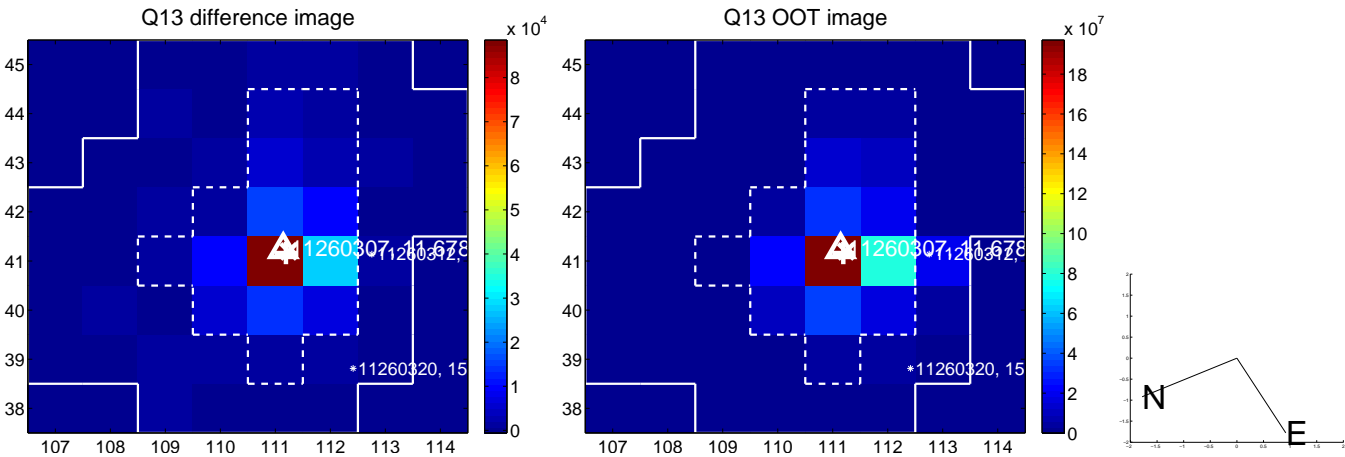
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



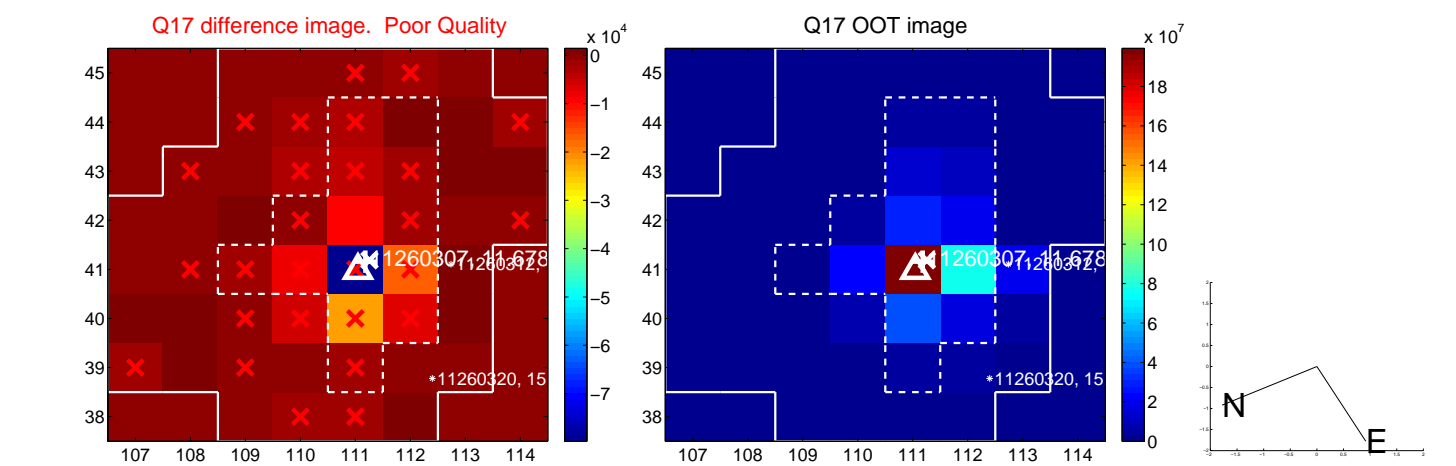
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



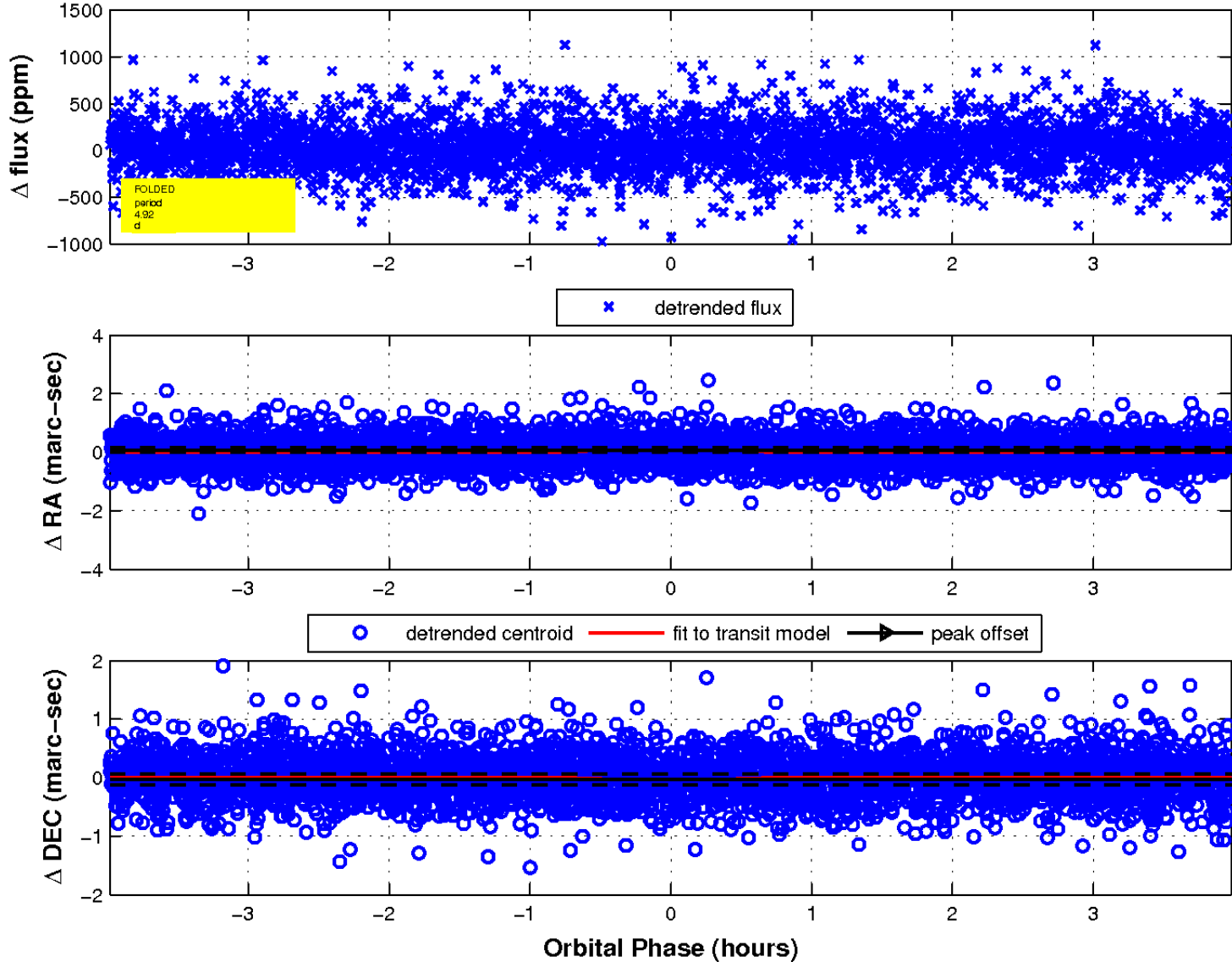
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



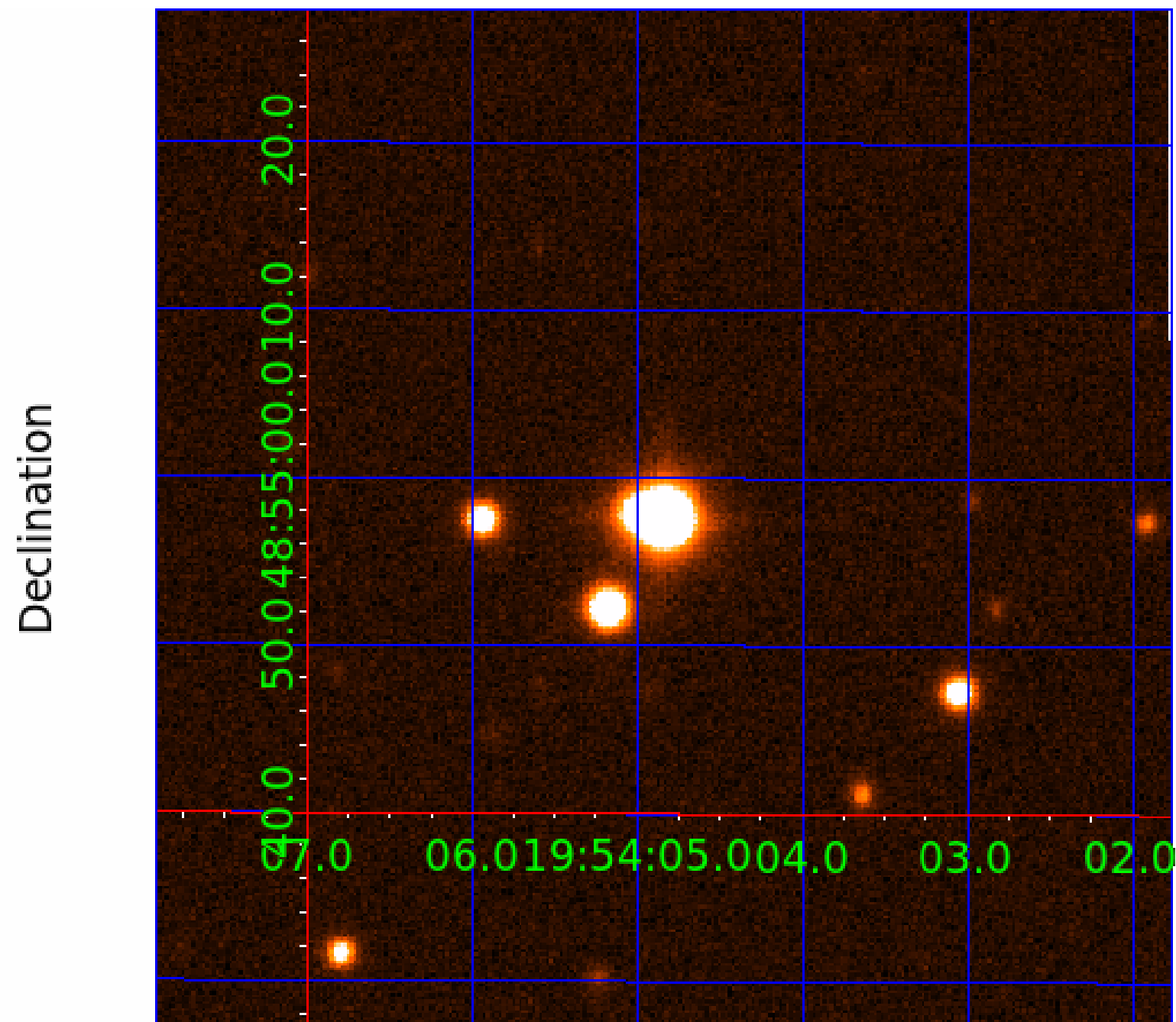
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



fluxWeightedCentroids, Planet 5 of 7



UKIRT Image



KIC 011260307

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})
011260307-01	OBS	No	0.684835	131.989925	66.8	2.816	14.4	16.6	1.99	7377	1.89	34412.96
011260307-02	OBS	No	0.684868	131.767432	60.3	4.246	14.0	13.8	1.99	7377	1.58	34410.74
011260307-03	OBS	No	4.317965	133.517470	307.8	1.414	10.3	10.0	1.99	7377	3.57	2954.37
011260307-04	OBS	No	4.560095	131.841772	223.2	1.493	9.9	7.8	1.99	7377	3.80	2747.08
011260307-05	OBS	No	4.915101	134.916809	310.3	1.328	9.8	8.2	1.99	7377	3.59	2485.76
011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011260307-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

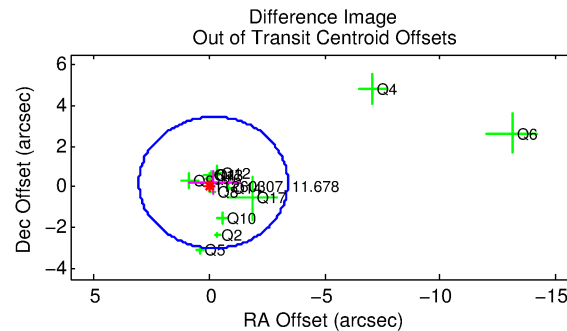
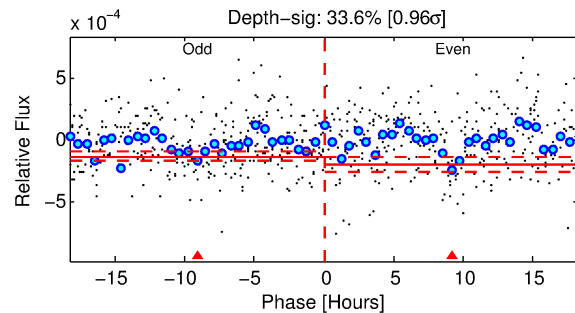
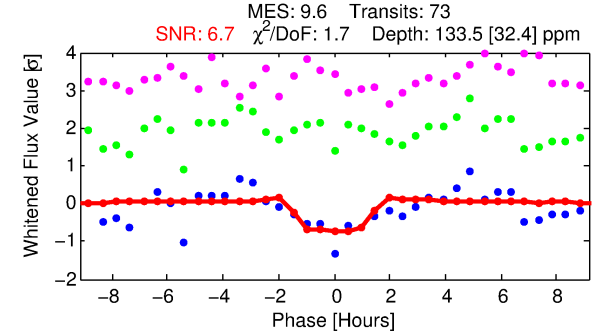
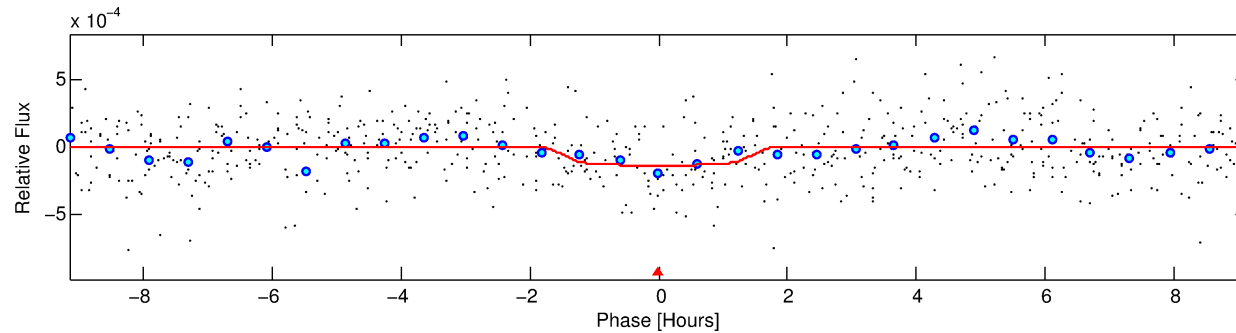
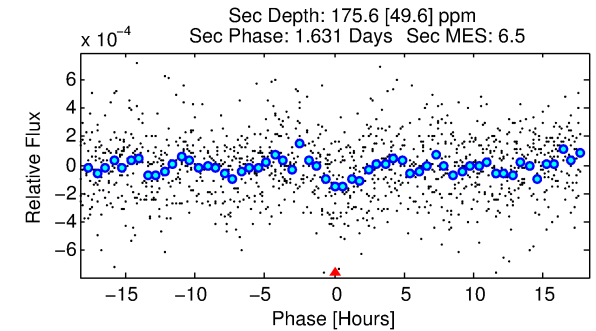
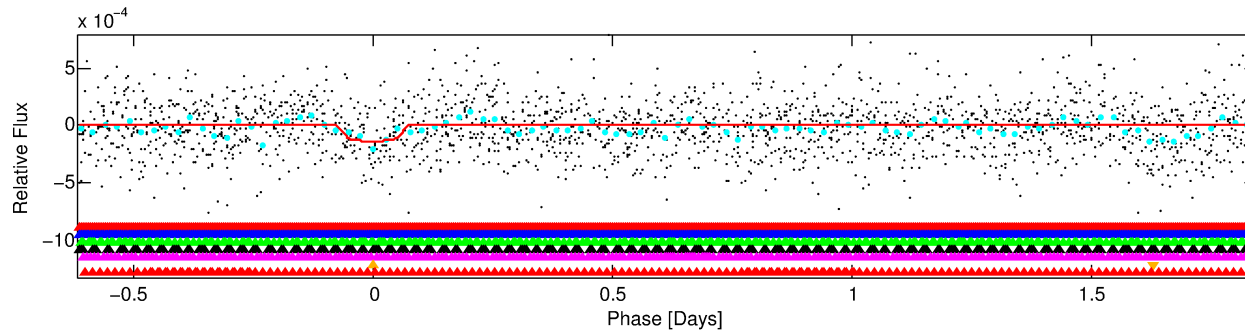
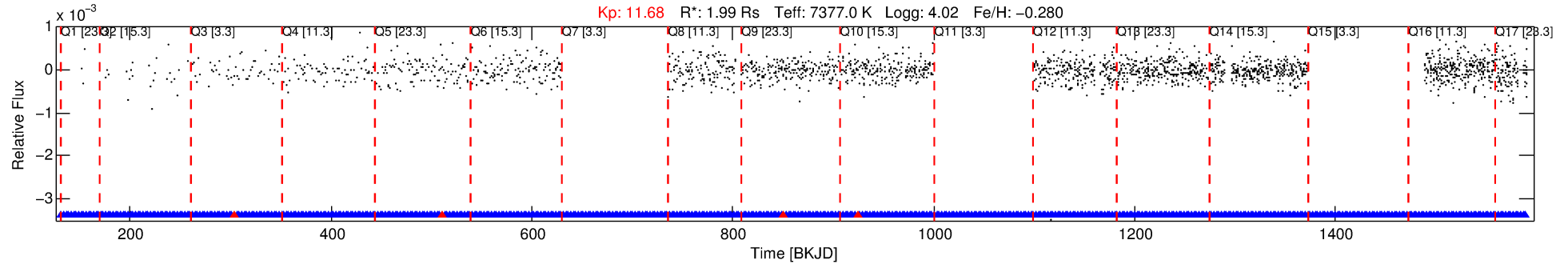
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-06

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 6 of 7 Period: 2.462 d



DV Fit Results:

Period = 2.46187 [0.00003] d
Epoch = 131.7565 [0.0075] BKJD
Rp/R* = 0.0110 [0.0138]
a/R* = 5.48 [39.01]
b = 0.49 [11.36]
Seff = 6249.07 [2748.16]
Teq = 2267 [249] K
Rp = 2.38 [3.08] Re
a = 0.0410 [0.0107] AU
Ag = 28.58 [73.44] [0.38σ]
Teffp = 8104 [5153] K [1.13σ]

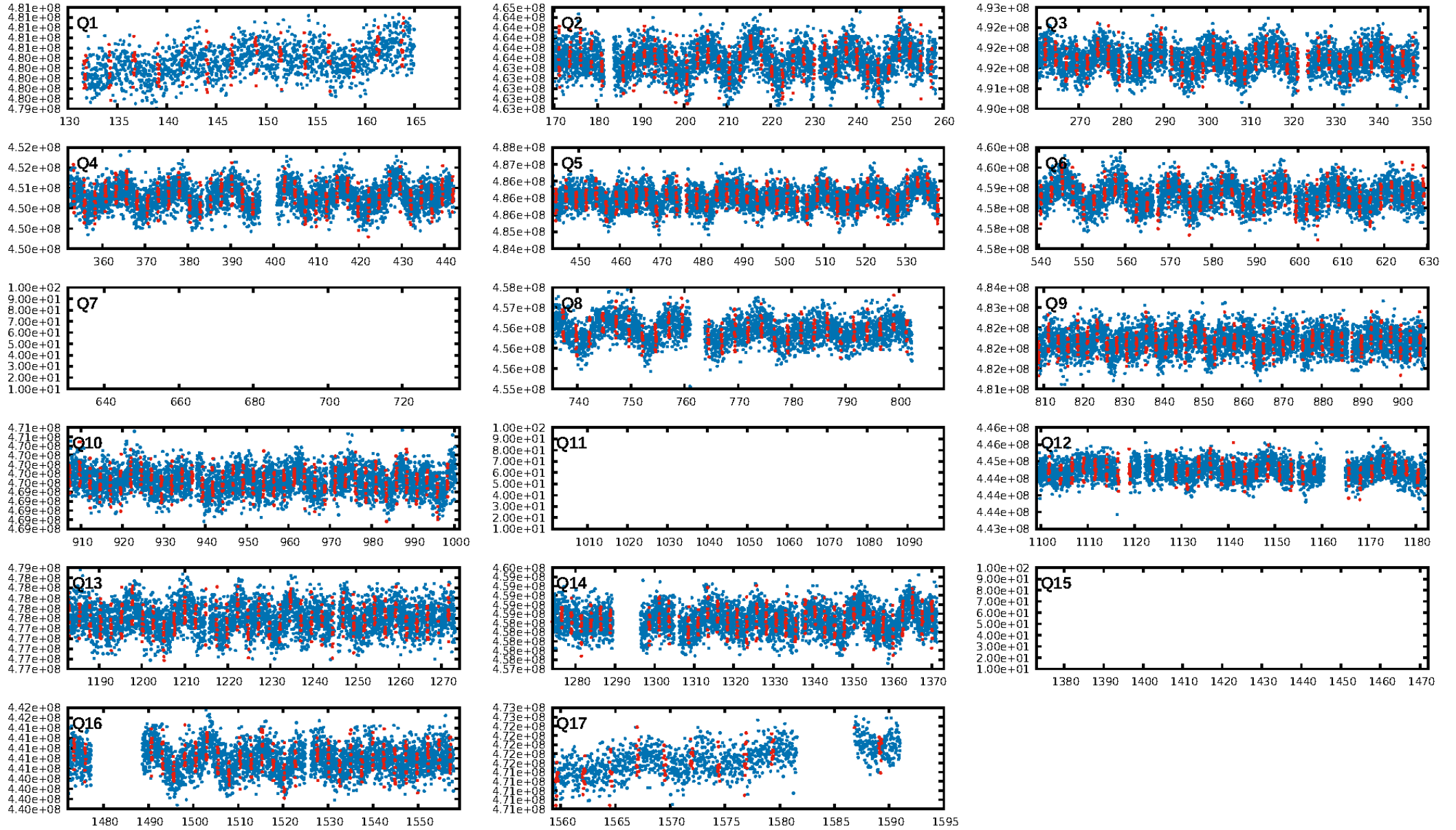
DV Diagnostic Results:

ShortPeriod-sig: 99.9% [3.22σ]
LongPeriod-sig: 100.0% [13.24σ]
ModelChiSquare2-sig: 0.1%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 1.37e-11
RollingBand-fgt: 0.94 [65/69]
GhostDiagnostic-chr: -0.4174
Centroid-sig: 5.5%
Centroid-so: 0.500 arcsec [2.68σ]
OotOffset-rm: 0.293 arcsec [0.27σ]
OotOffset-st: 4/0/4/5 [13]
KicOffset-rm: 0.480 arcsec [1.08σ]
KicOffset-st: 4/0/4/5 [13]
DiffImageQuality-fgm: 0.62 [8/13]
DiffImageOverlap-fno: 0.00 [0/14]

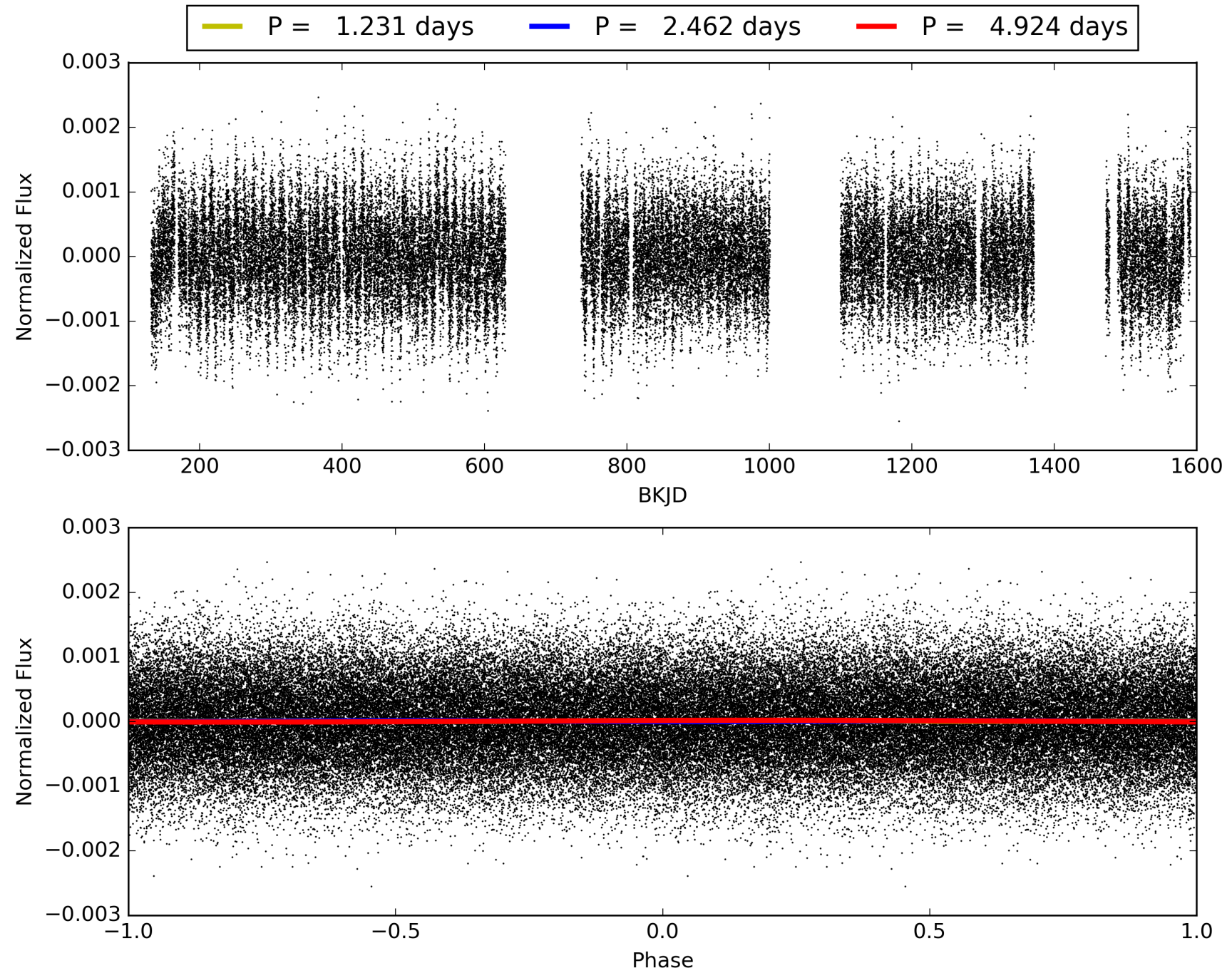
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:00:07 Z

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

TCE 011260307-06, PDC Light Curves

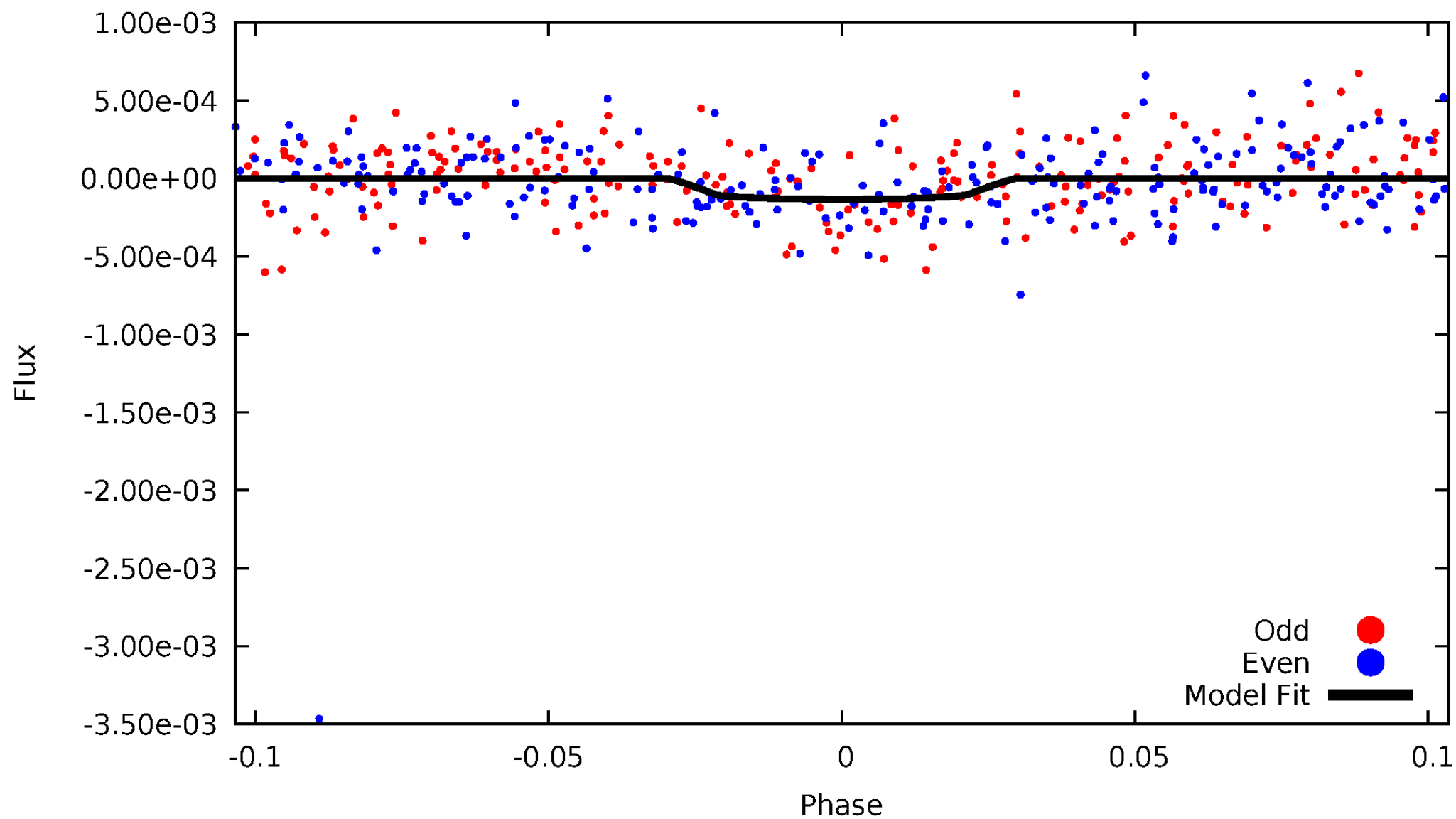


TCE 011260307-06



DV Odd/Even

TCE 011260307-06

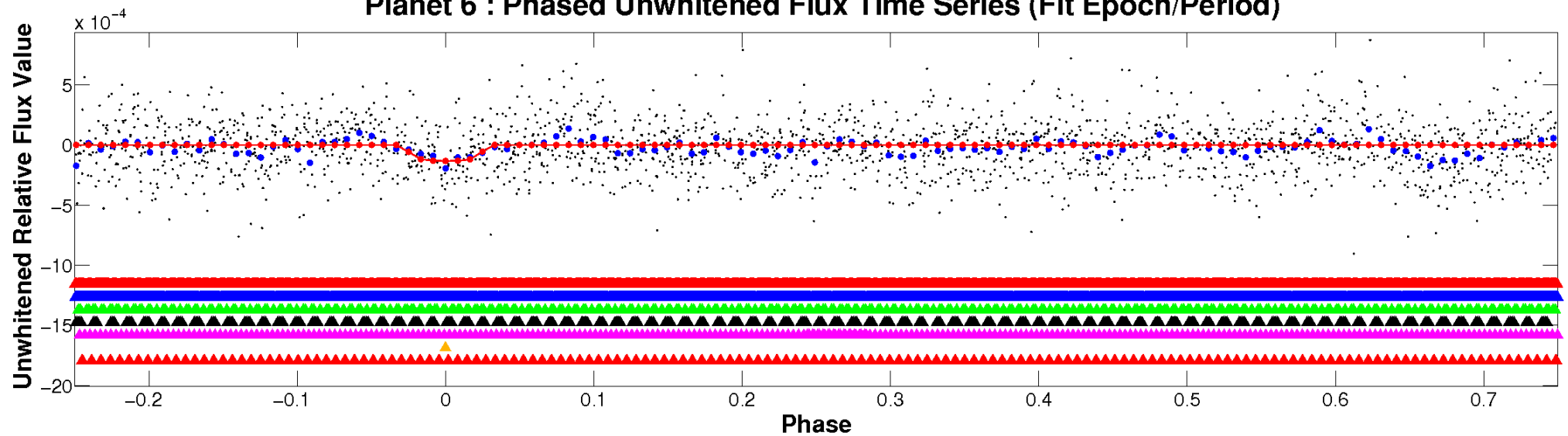


ALT Odd/Even

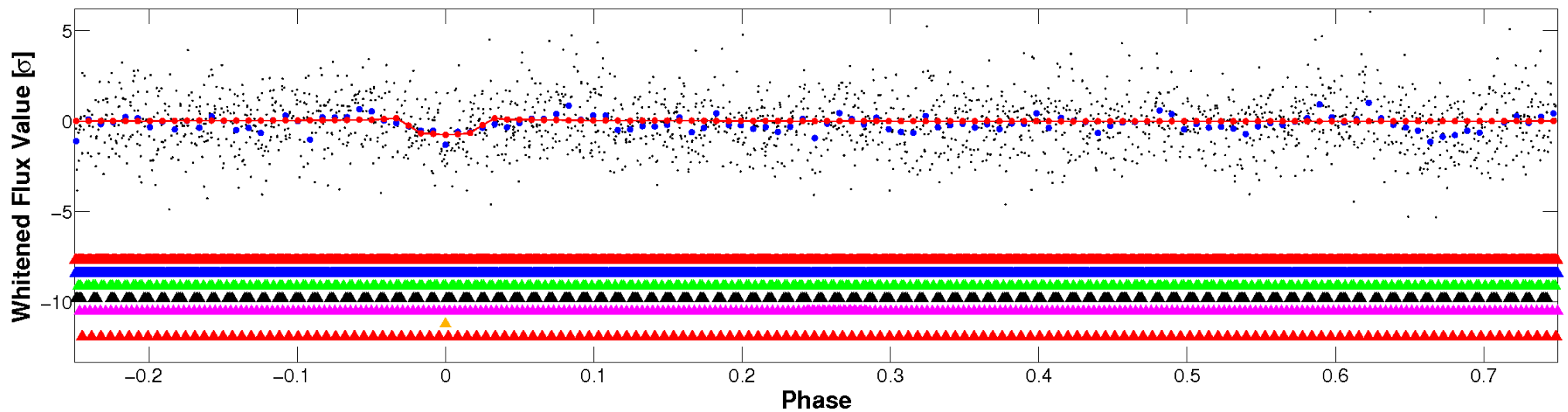
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

Planet 6 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

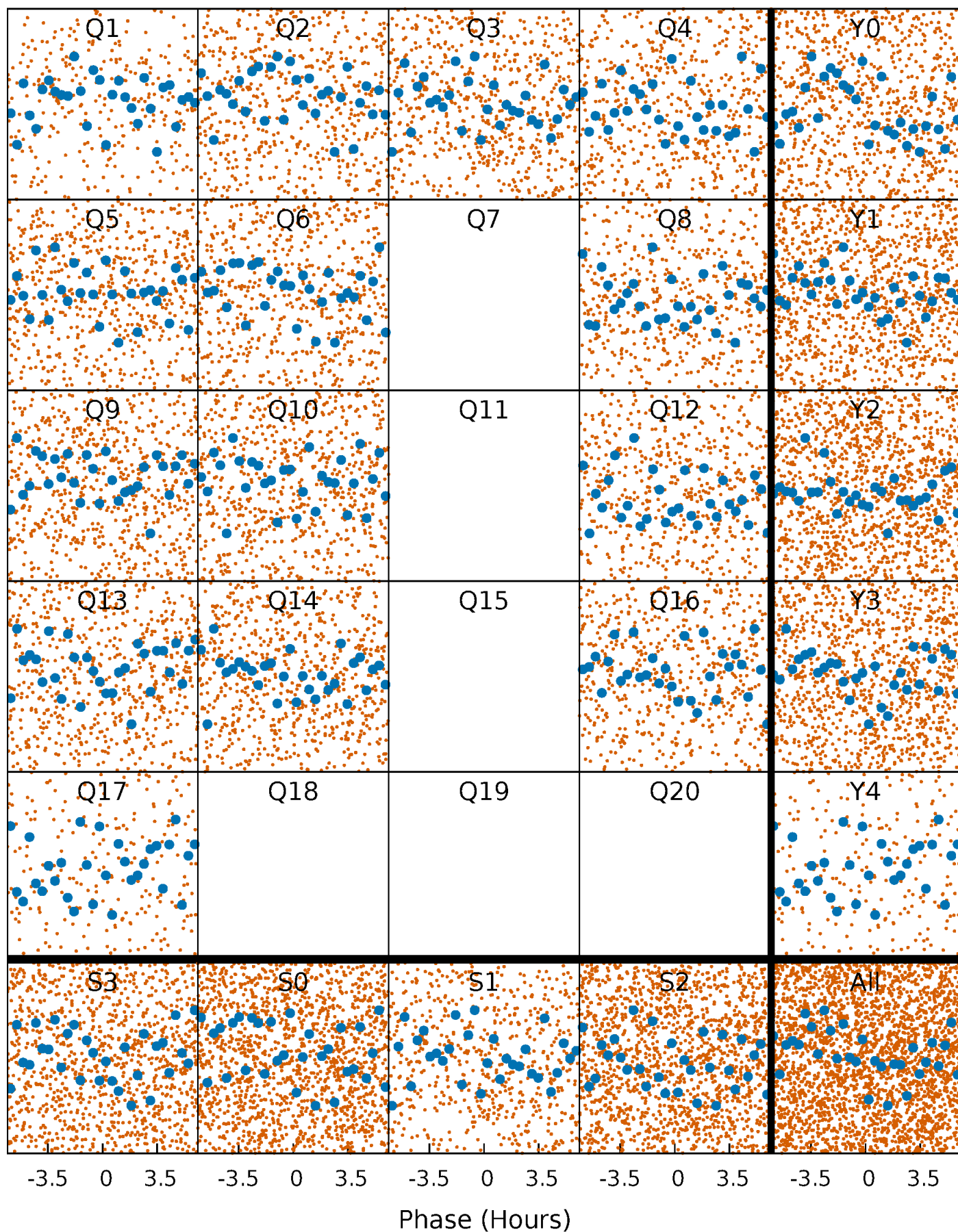


Planet 6 : Phased Whitened Flux Time Series (Fit Epoch/Period)



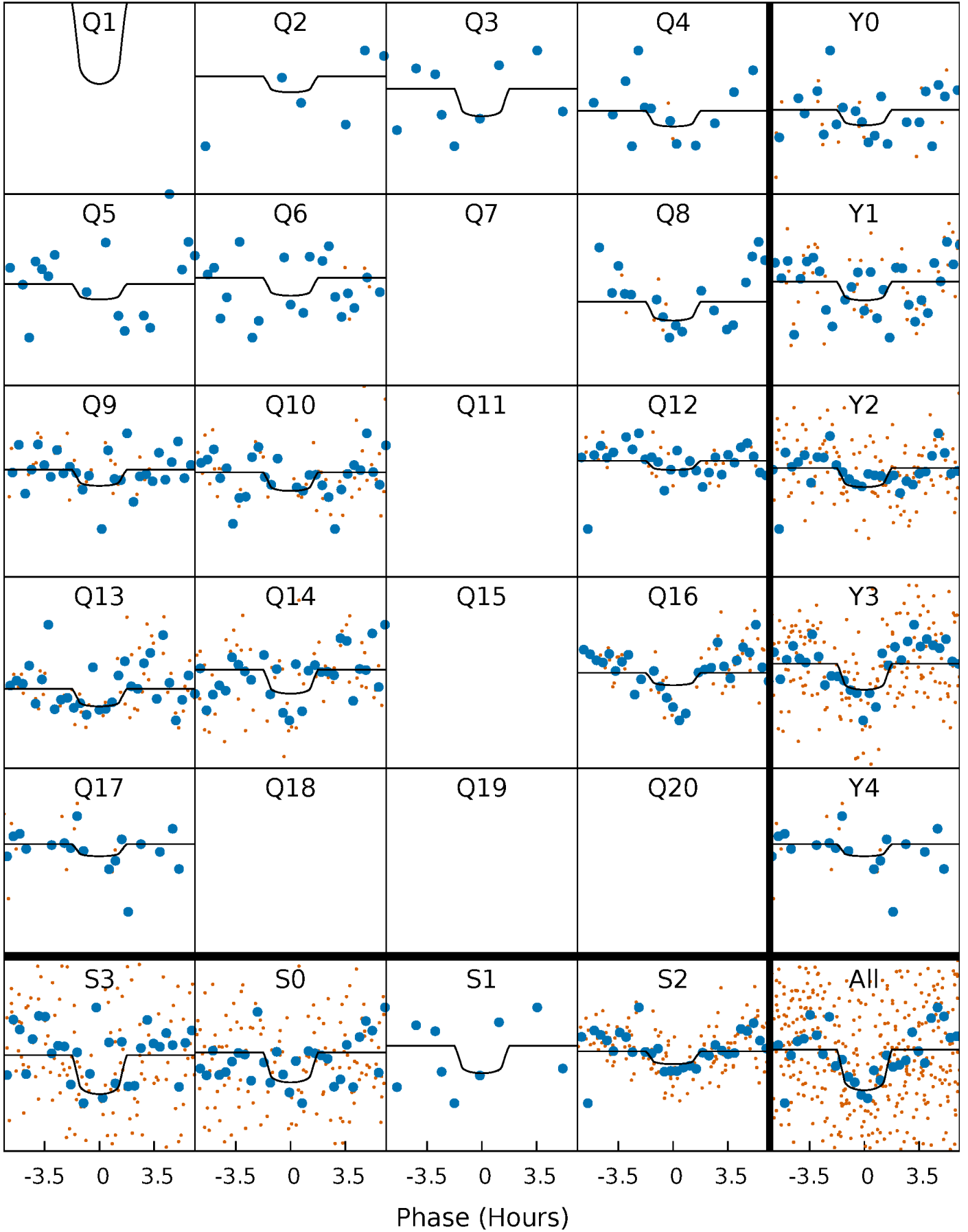
PDC Quarter-Phased Transit Curves

TCE 011260307-06 P= 2.461874 Days $T_0=131.756509$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 011260307-06 $P = 2.461874$ Days $T_0 = 131.756509$ (BKJD)

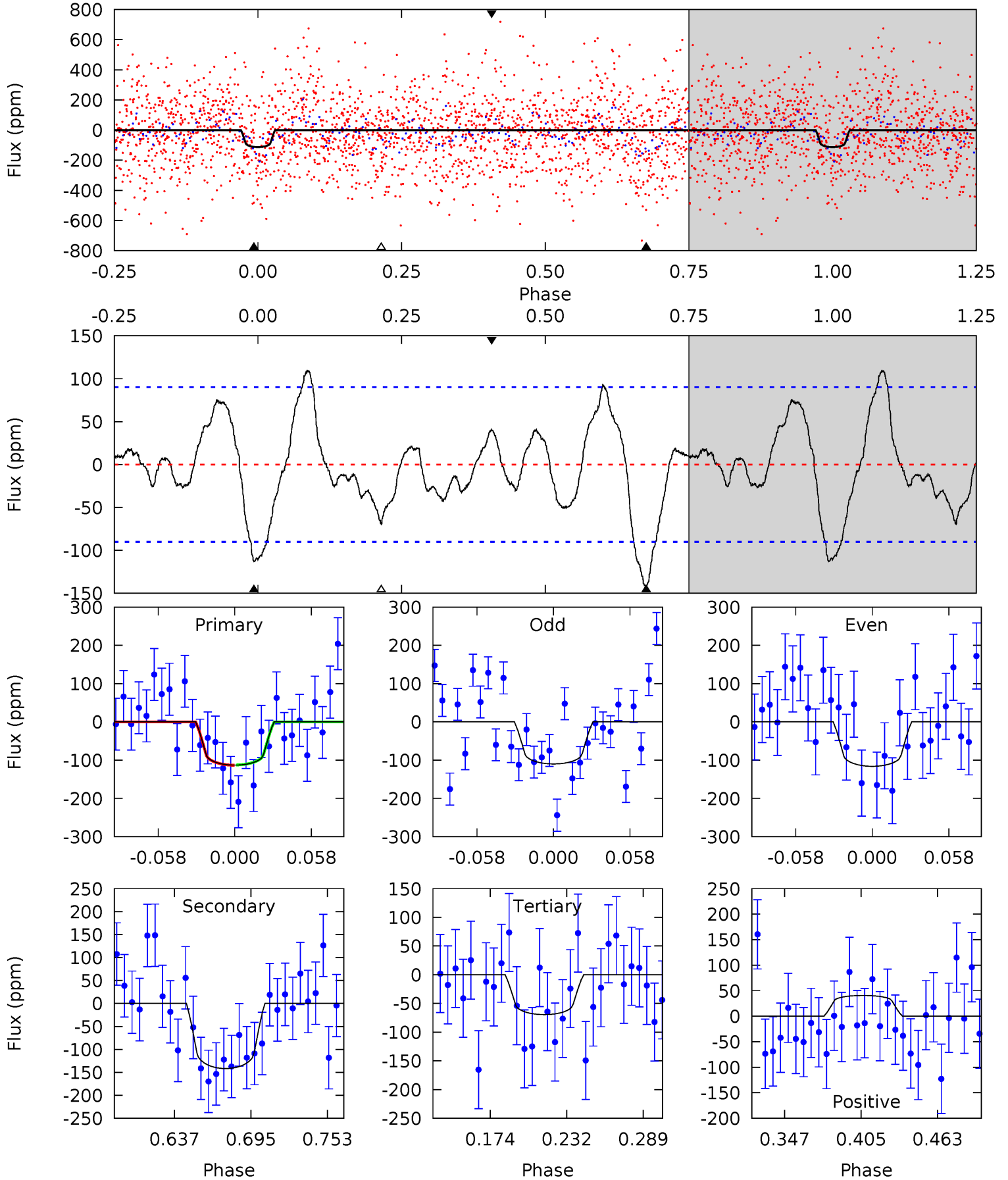


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

011260307-06, P = 2.461874 Days, E = 131.756509 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
5.87	7.36	3.60	2.11	4.68	1.90	1.98	2.27	3.76	3.76	5.24	0.16	1.07	0.44	0.02



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-06 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{max} (K)$	$T_{obs} (K)$	A_{obs}
DV	-142±19	$3.15^{+2.74}_{-2.02}$	3129^{+247}_{-238}	6491^{+5881}_{-1638}	13^{+86}_{-9}
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 $A_{obs} \gg 1.0$

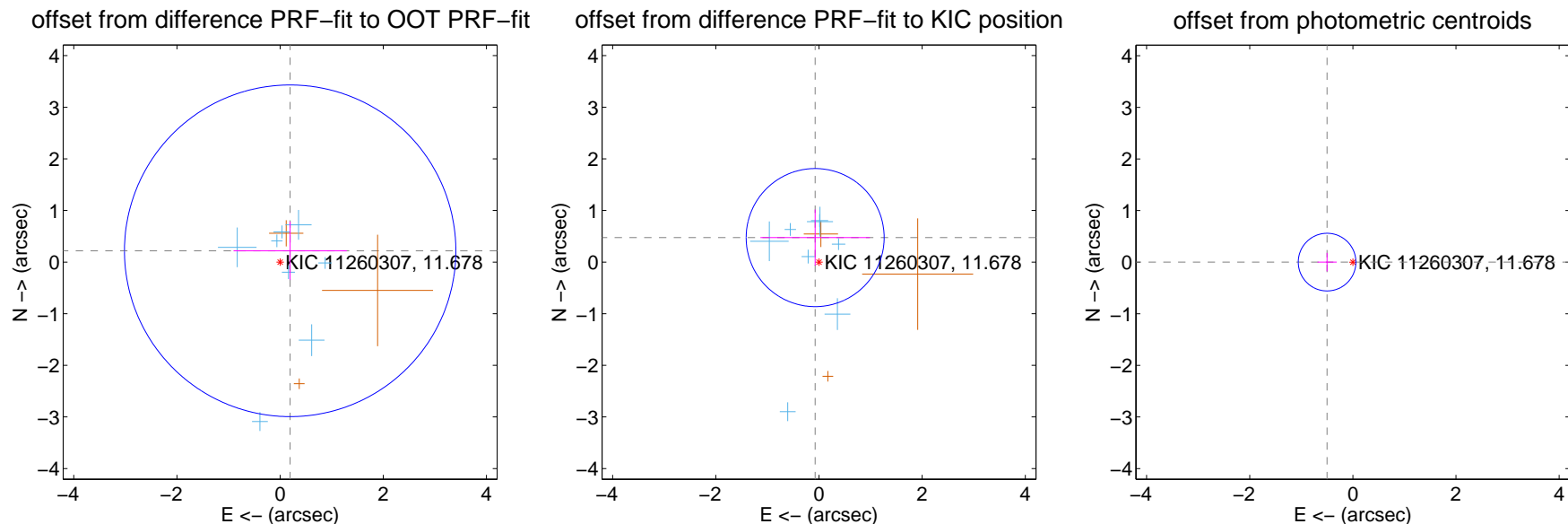
DV Centroid Data

Supplemental centroid analysis for 011260307-06. **Kepler magnitude: 11.68.** Transit SNR 6.68

There are 8 quarters with good PRF difference image offsets

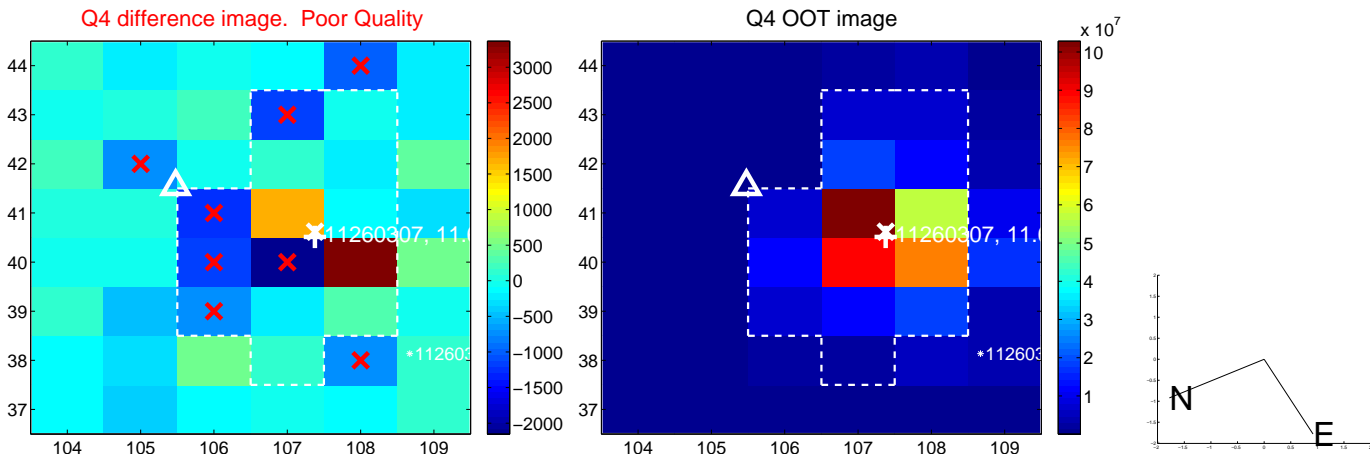
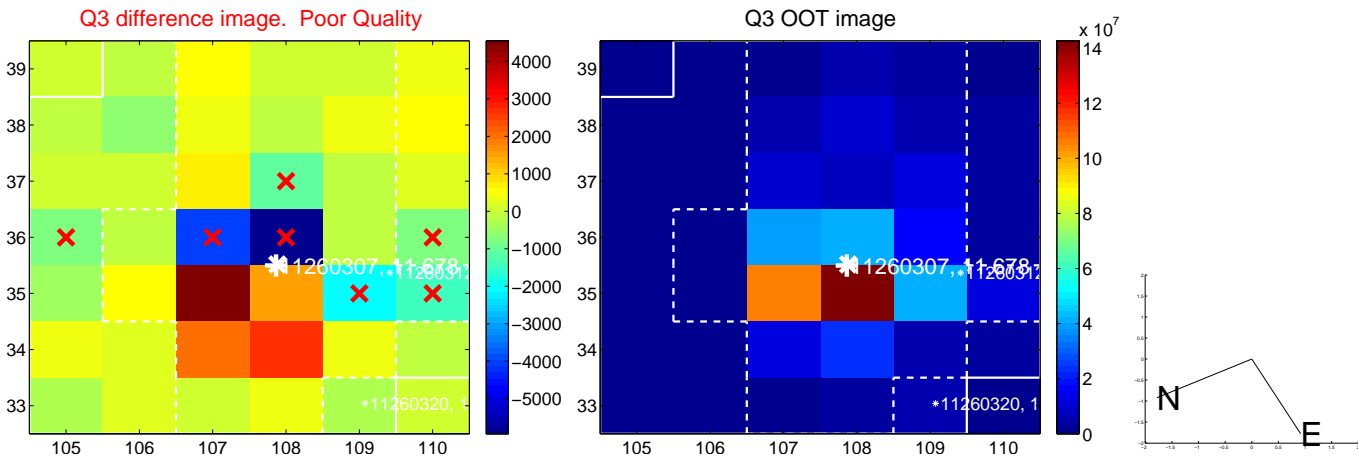
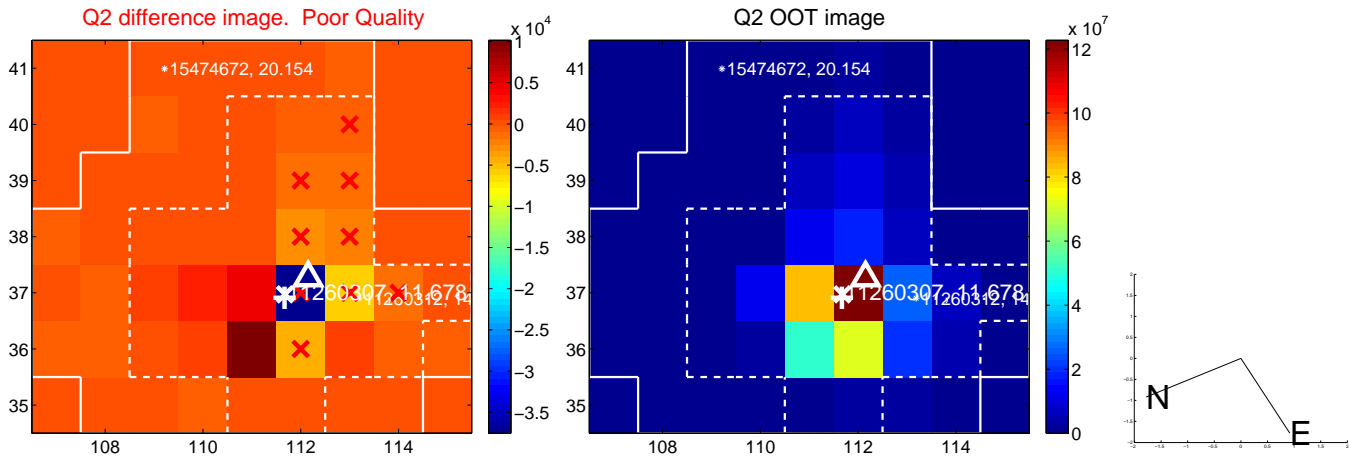
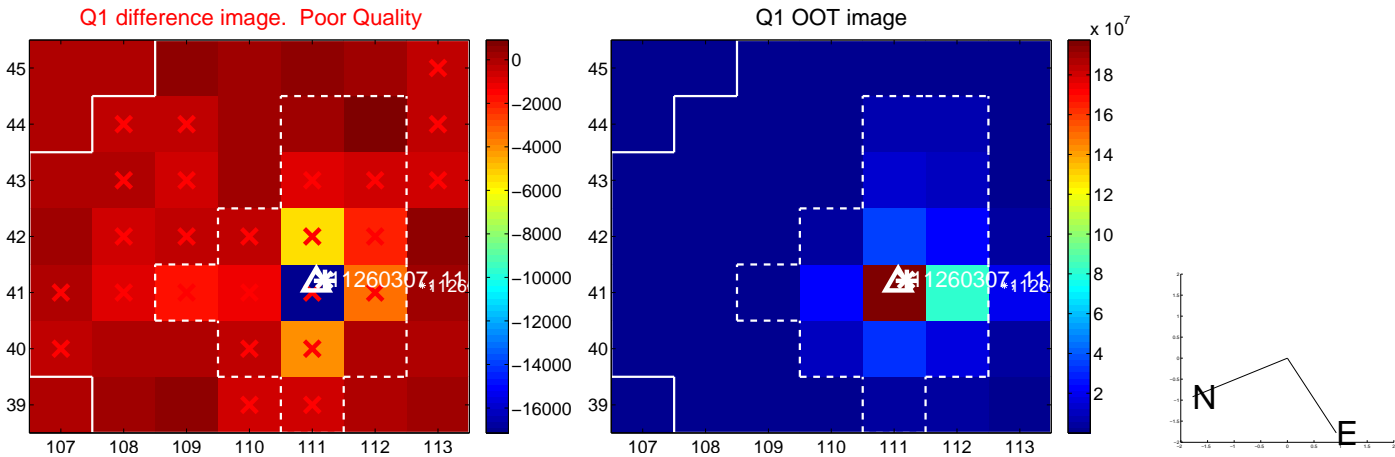
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.293 ± 1.071	0.27	-0.195 ± 1.098	0.219 ± 0.566
PRF-fit source offset from KIC position	0.480 ± 0.446	1.08	0.074 ± 1.061	0.475 ± 0.543
photometric centroid source offset	0.50 ± 0.19	2.68	0.50 ± 0.19	0.00 ± 0.18

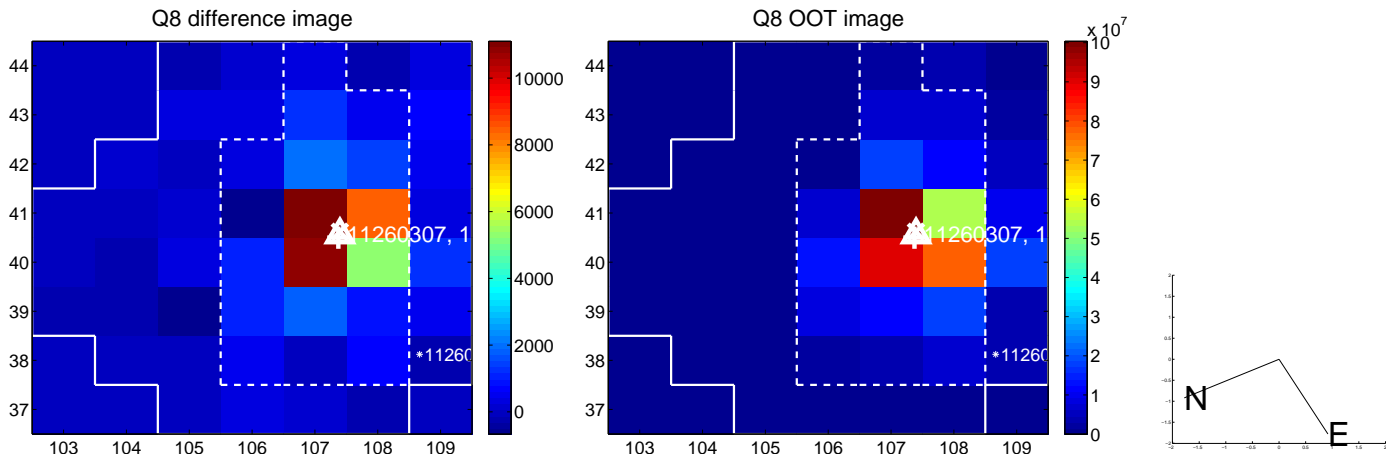
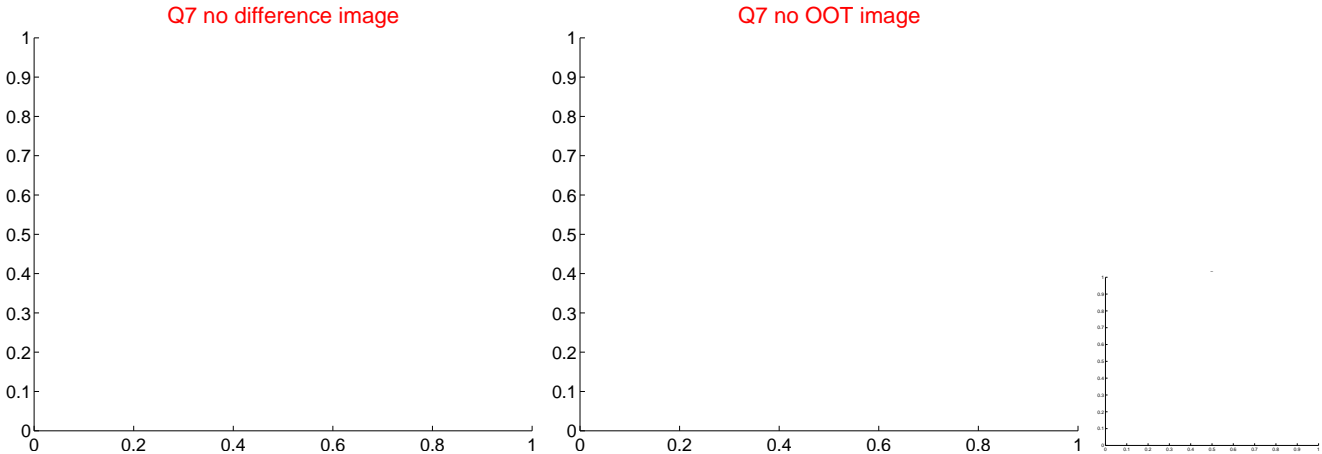
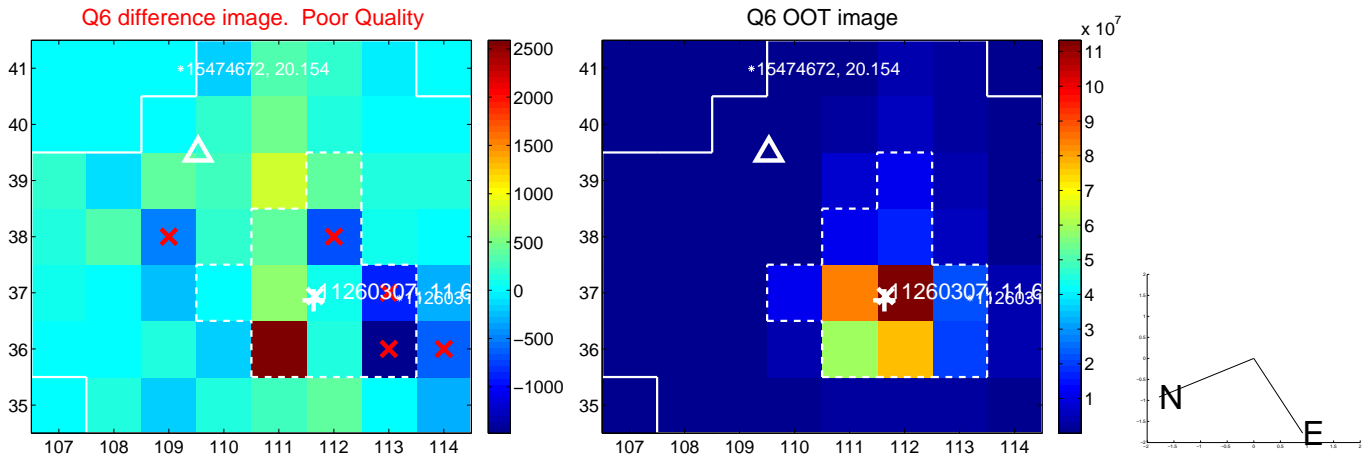
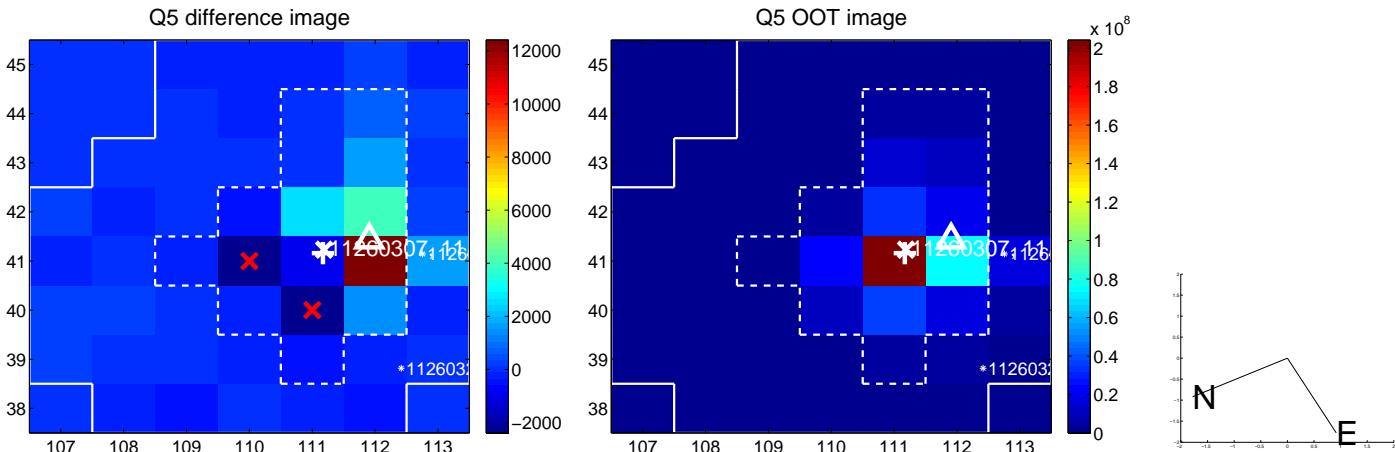


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

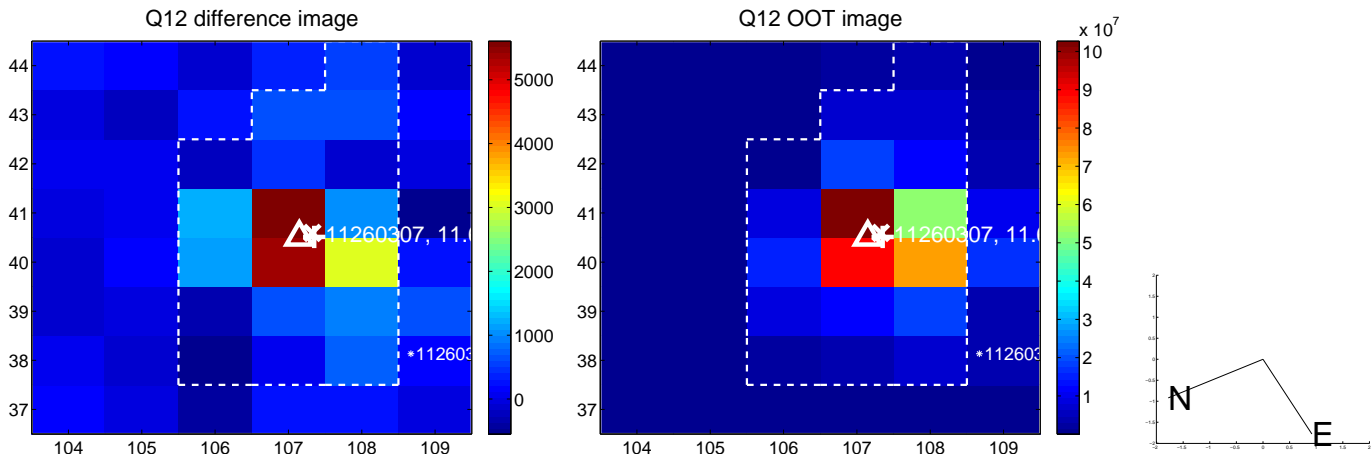
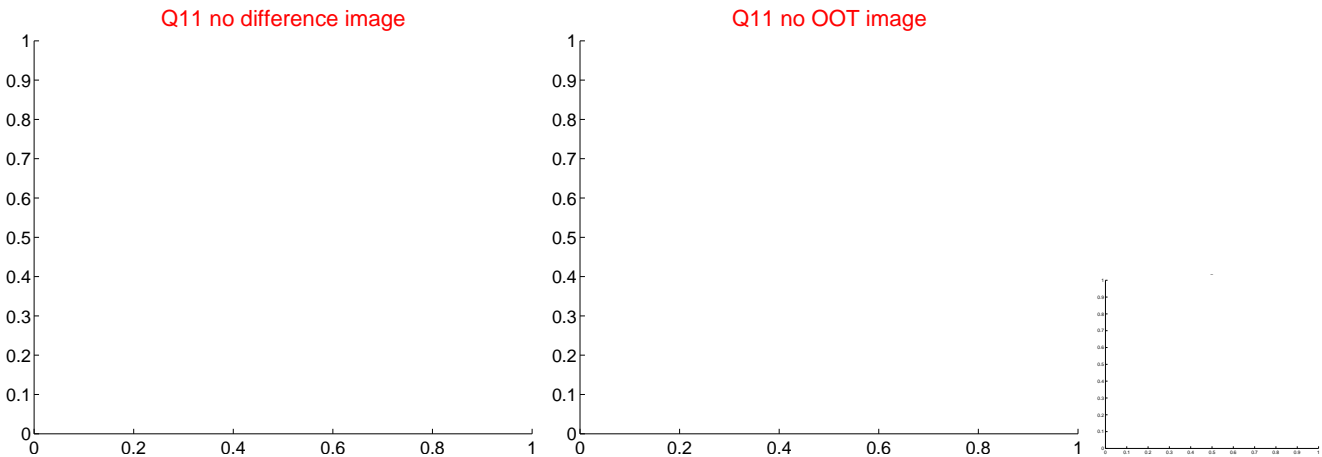
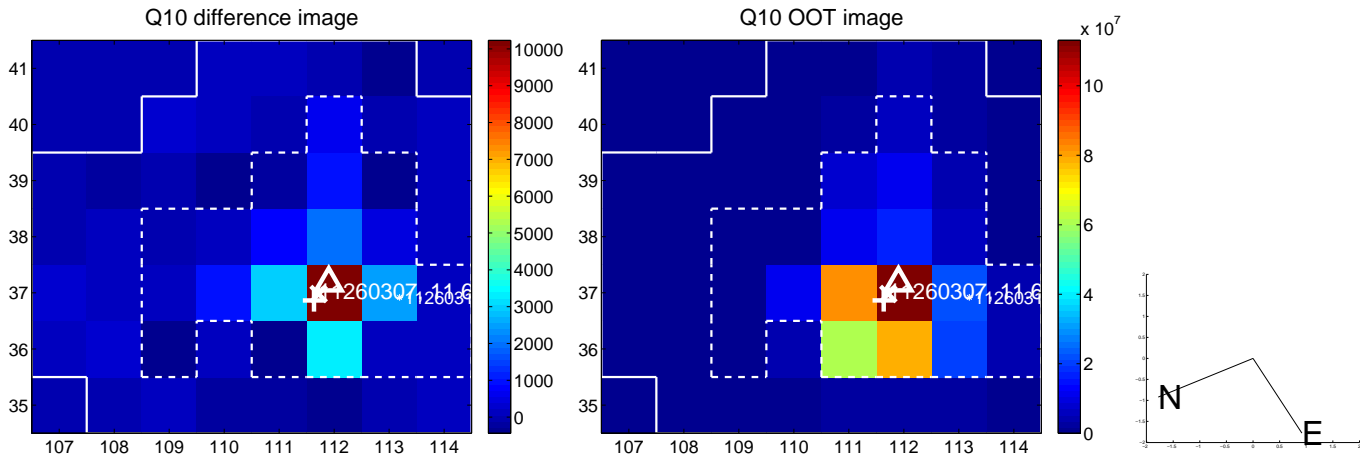
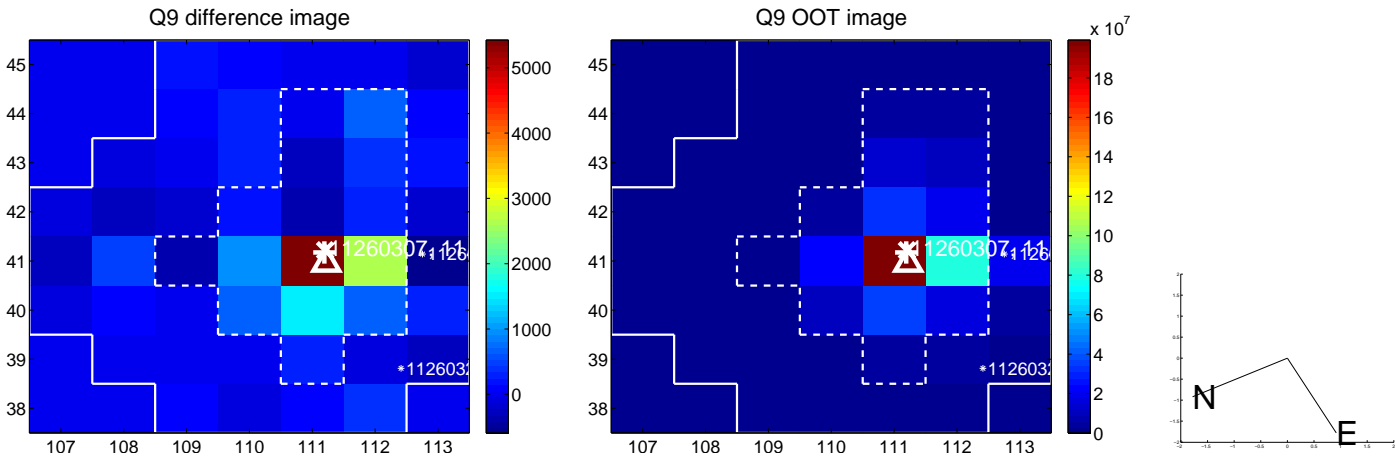
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



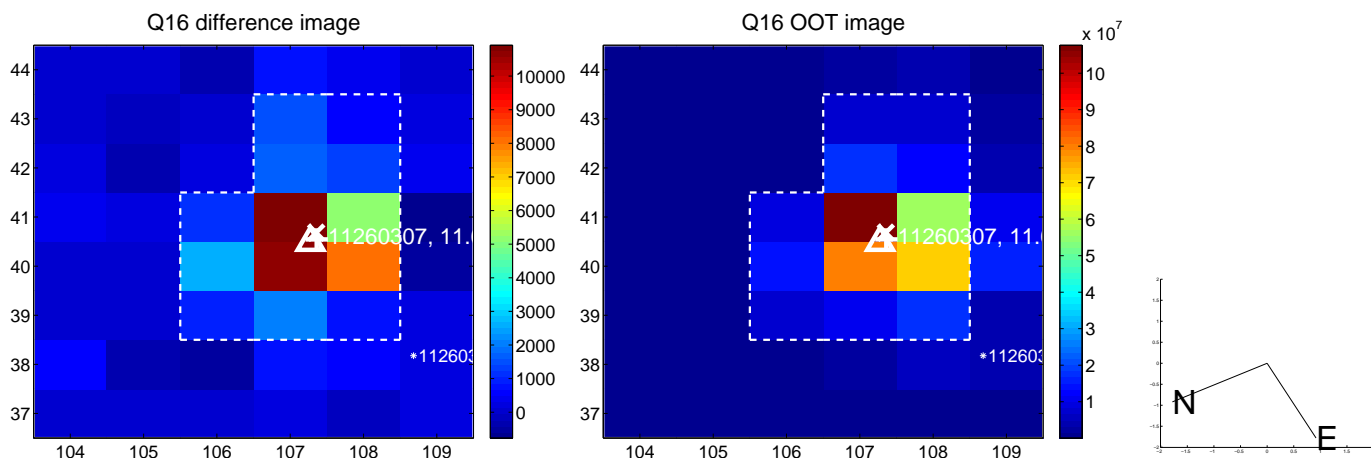
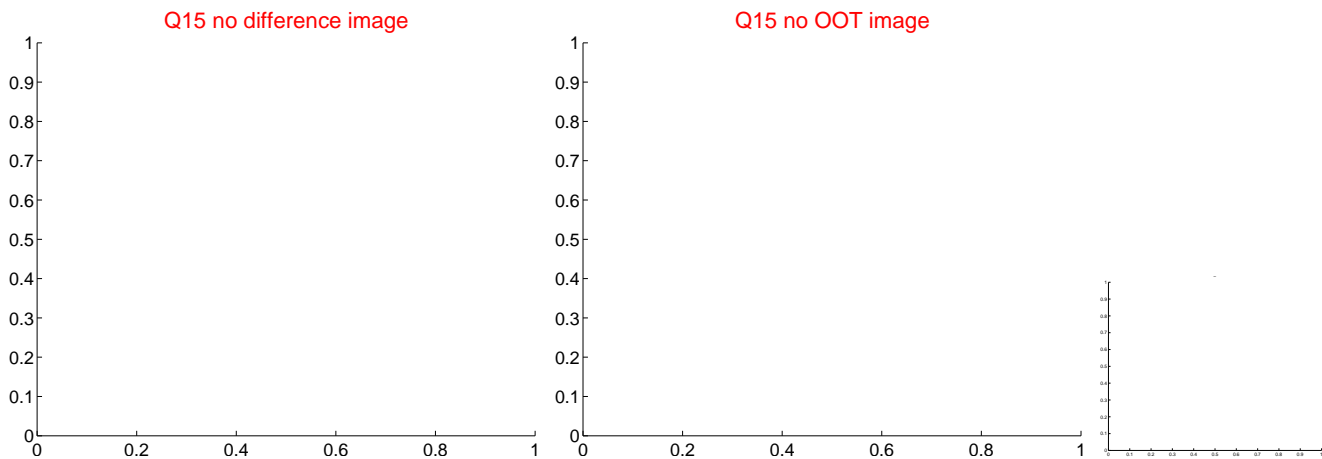
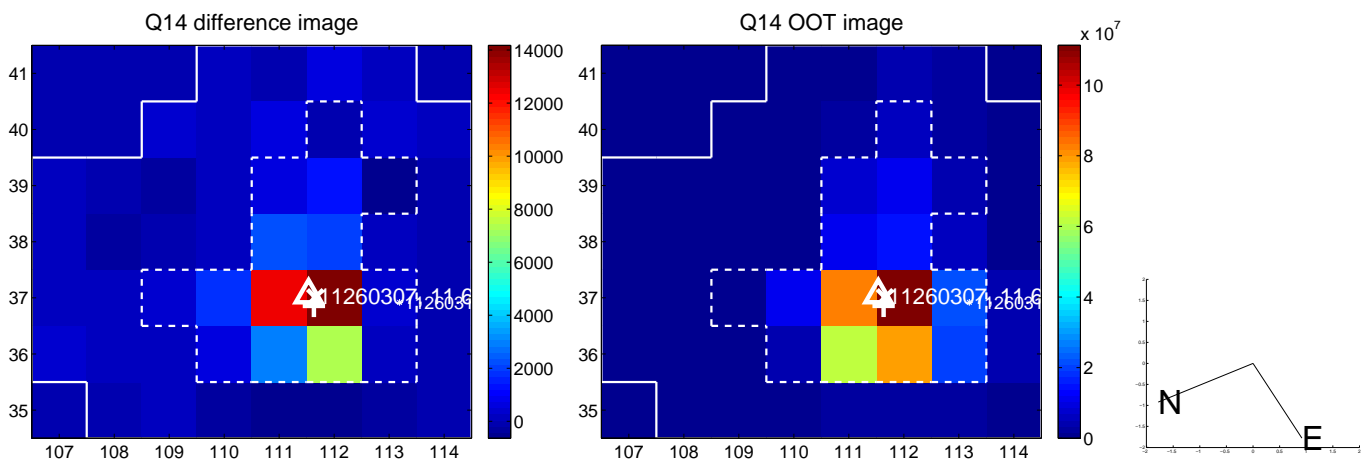
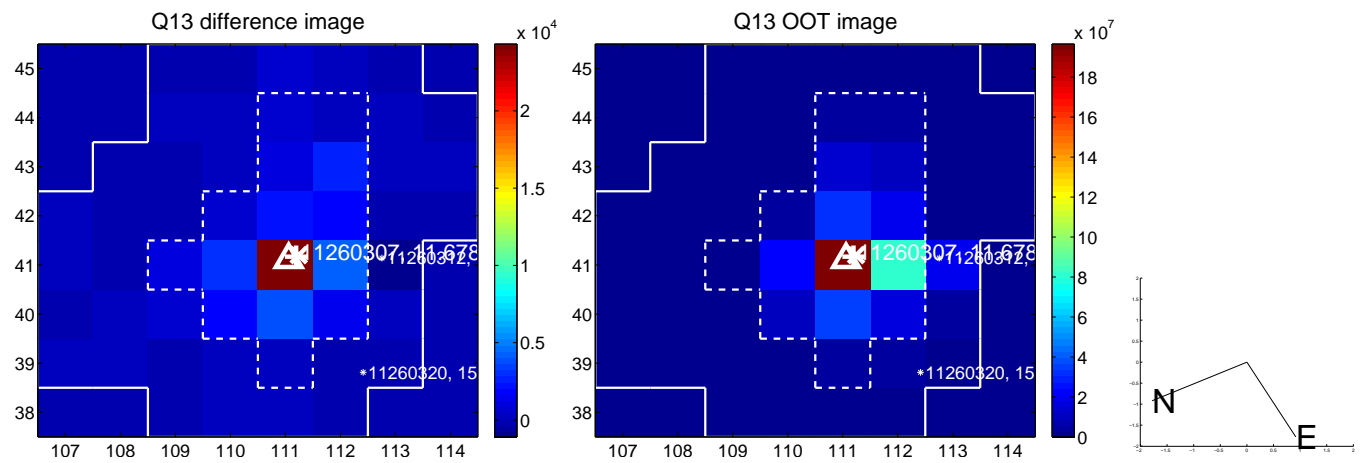
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



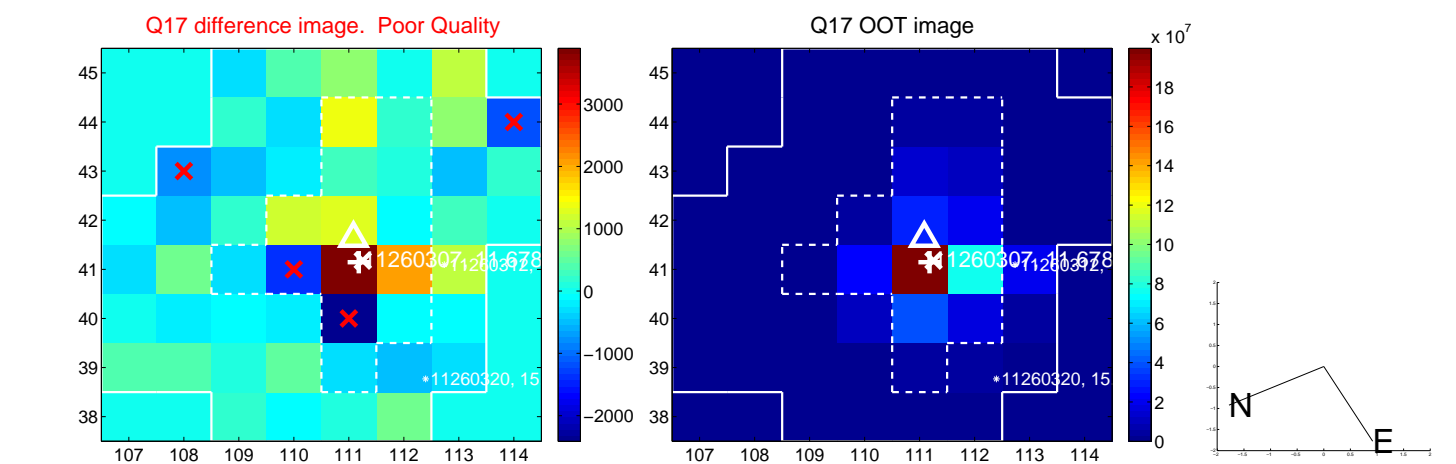
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



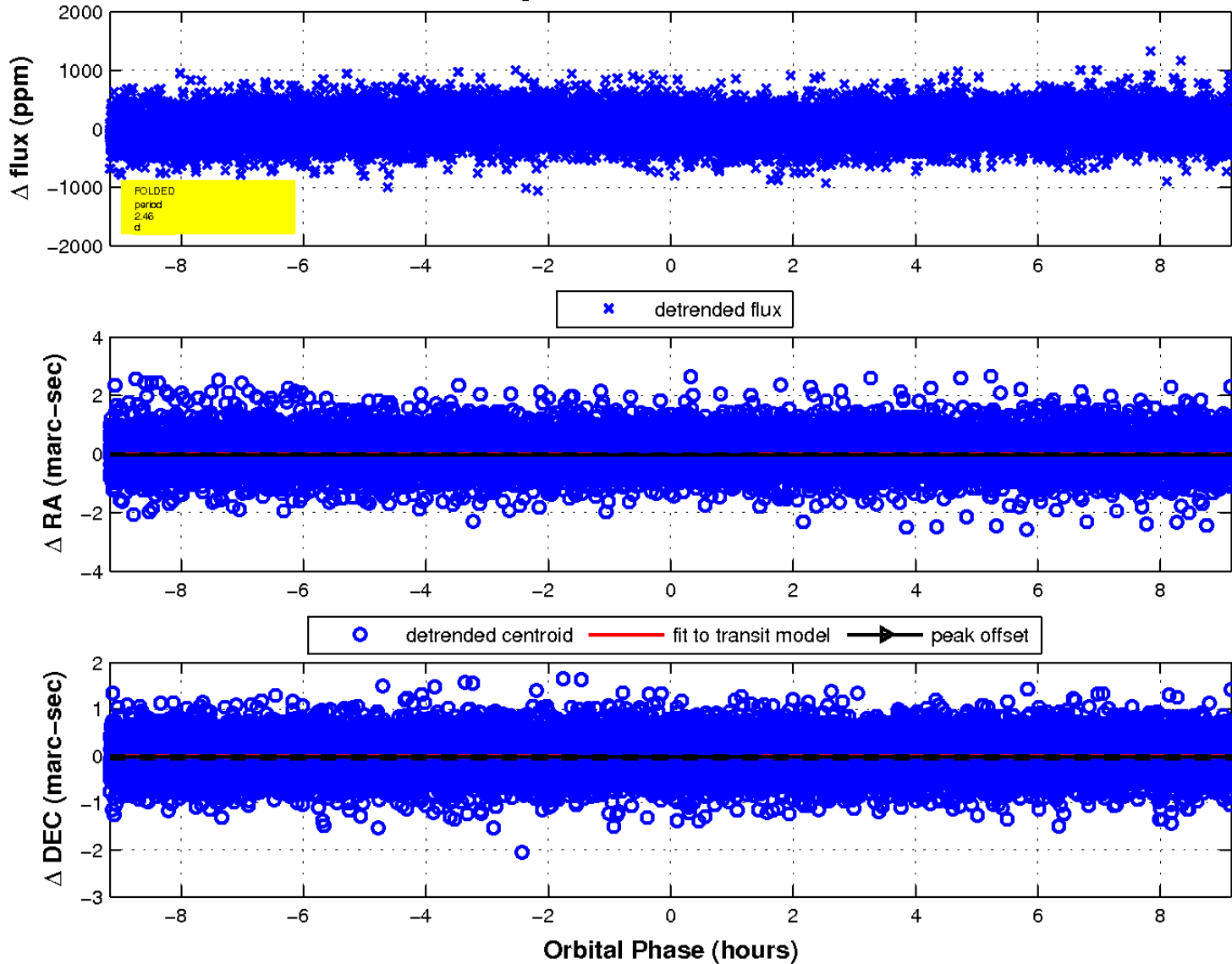
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



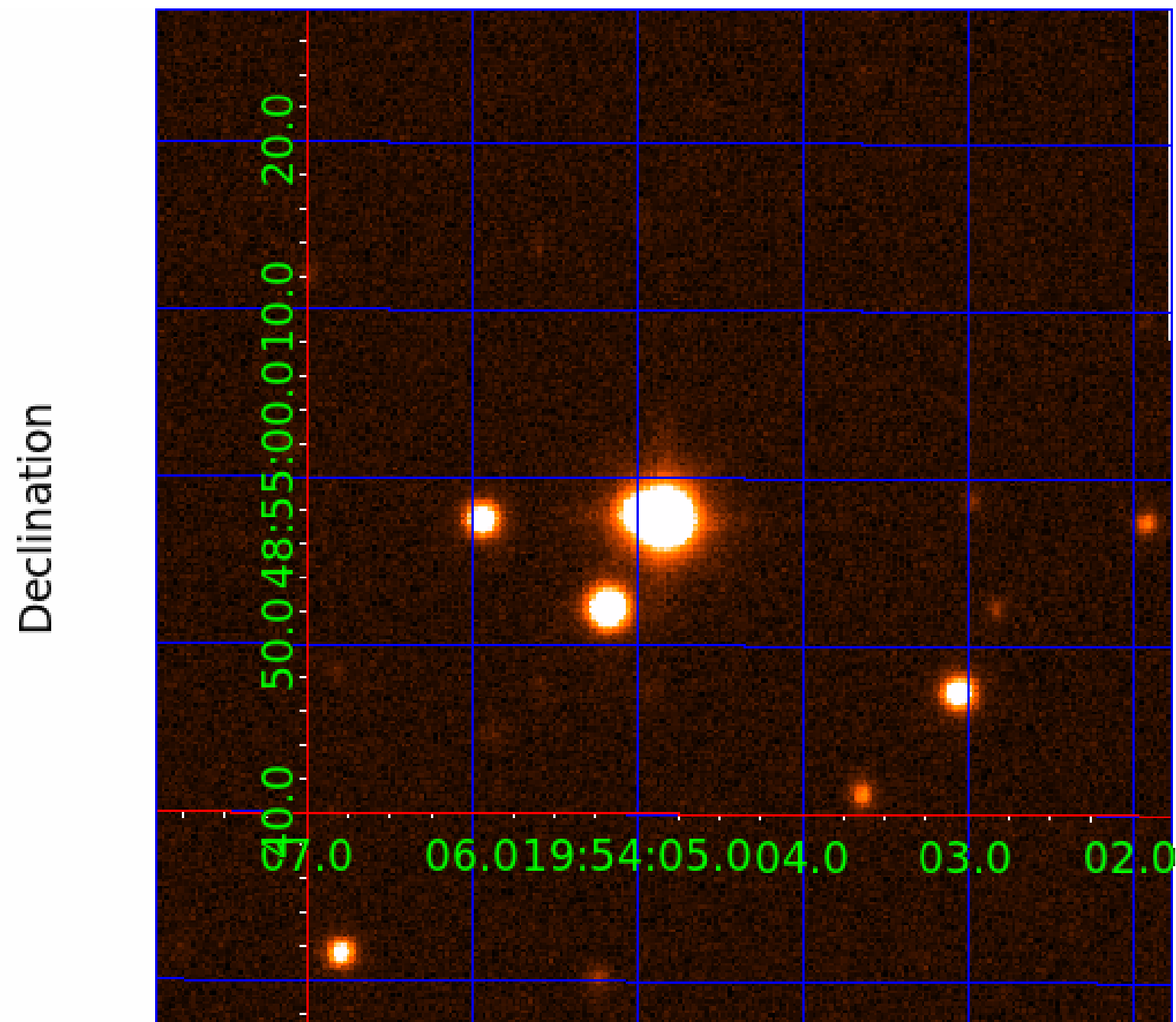
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



fluxWeightedCentroids, Planet 6 of 7



UKIRT Image



KIC 011260307

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})
011260307-01	OBS	No	0.684835	131.989925	66.8	2.816	14.4	16.6	1.99	7377	1.89	34412.96
011260307-02	OBS	No	0.684868	131.767432	60.3	4.246	14.0	13.8	1.99	7377	1.58	34410.74
011260307-03	OBS	No	4.317965	133.517470	307.8	1.414	10.3	10.0	1.99	7377	3.57	2954.37
011260307-04	OBS	No	4.560095	131.841772	223.2	1.493	9.9	7.8	1.99	7377	3.80	2747.08
011260307-05	OBS	No	4.915101	134.916809	310.3	1.328	9.8	8.2	1.99	7377	3.59	2485.76
011260307-06	OBS	No	2.461874	131.756509	133.5	3.054	9.6	6.7	1.99	7377	2.38	6249.07
011260307-07	OBS	No	2.010013	132.384024	222.7	1.409	9.3	9.1	1.99	7377	3.04	8189.14

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
011260307-01	OBS	FP	0.00	1	0	0	0	LPP_DV—LPP_ALT—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT
011260307-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_SKYE_ZUMA—LPP_DV—MOD_NONUNIQ_DV—MOD_NONUNIQ_ALT—SAME_NTL_PERIOD
011260307-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-04	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-05	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—MOD_NONUNIQ_DV
011260307-06	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_ZUMA—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_DV
011260307-07	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—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.

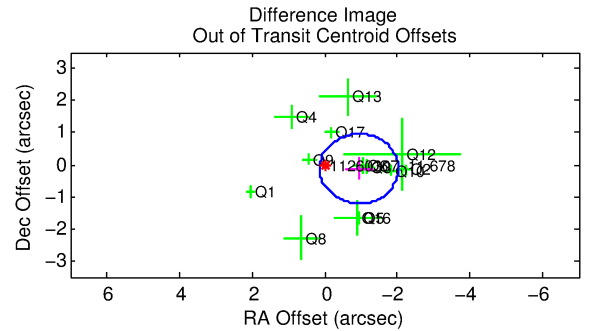
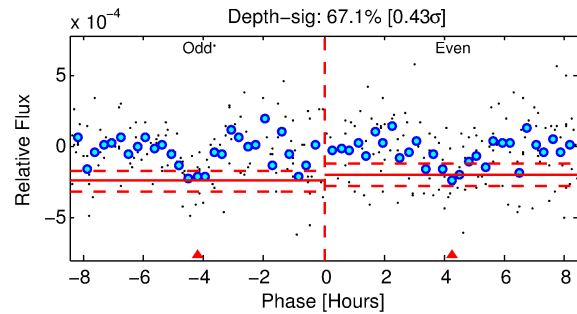
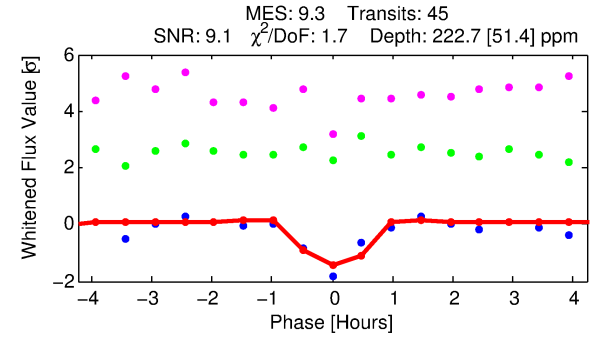
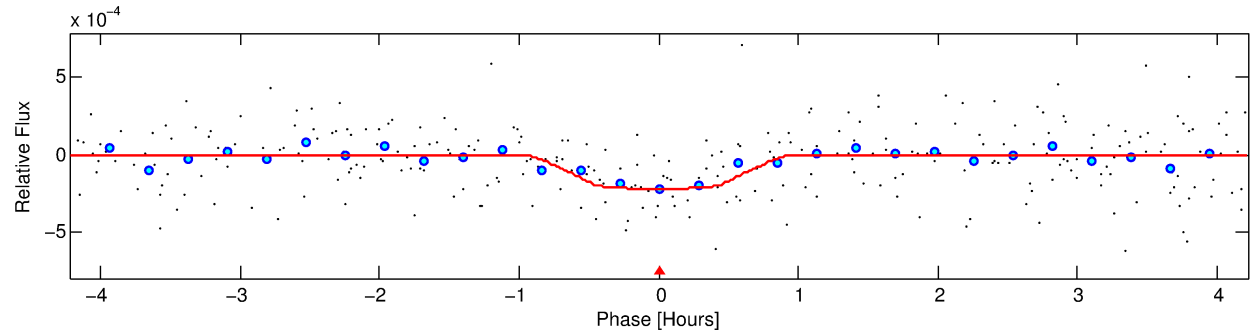
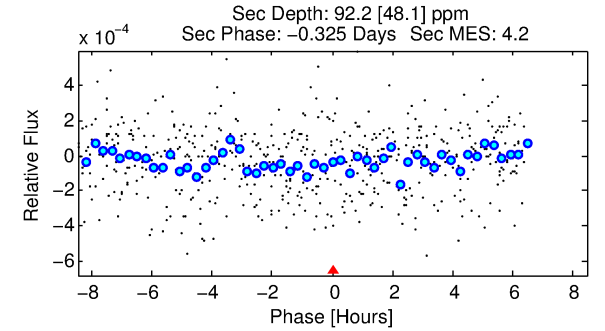
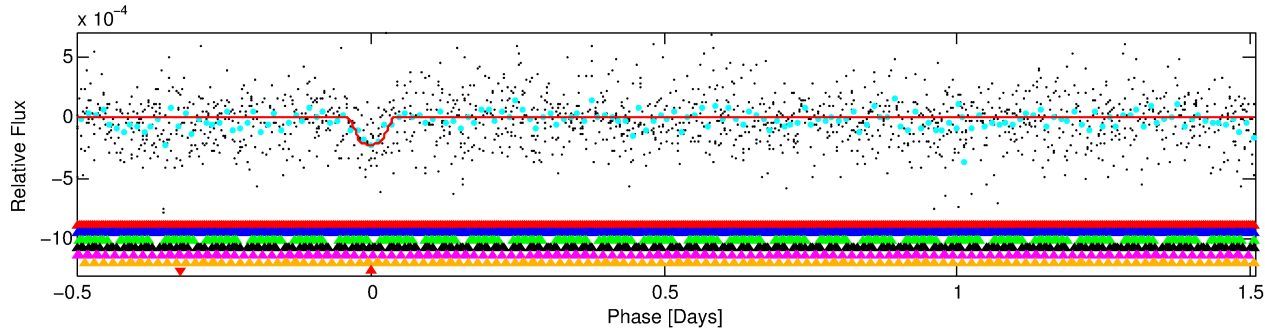
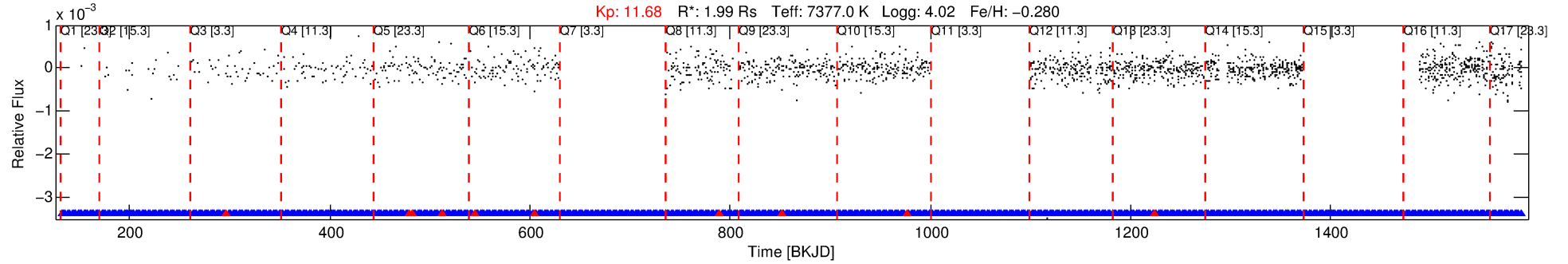
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 011260307-07

No Significant Match Found

DV One-Page Summary

KIC: 11260307 Candidate: 7 of 7 Period: 2.010 d



DV Fit Results:

Period = 2.01001 [0.00002] d
Epoch = 132.3840 [0.0036] BKJD
Rp/R* = 0.0140 [0.0168]
a/R* = 10.60 [74.67]
b = 0.29 [22.15]
Seff = 8189.14 [3601.35]
Teq = 2426 [267] K
Rp = 3.04 [3.75] Re
a = 0.0358 [0.0094] AU
Ag = 7.05 [17.57] [0.34σ]
Teffp = 6111 [3767] K [0.98σ]

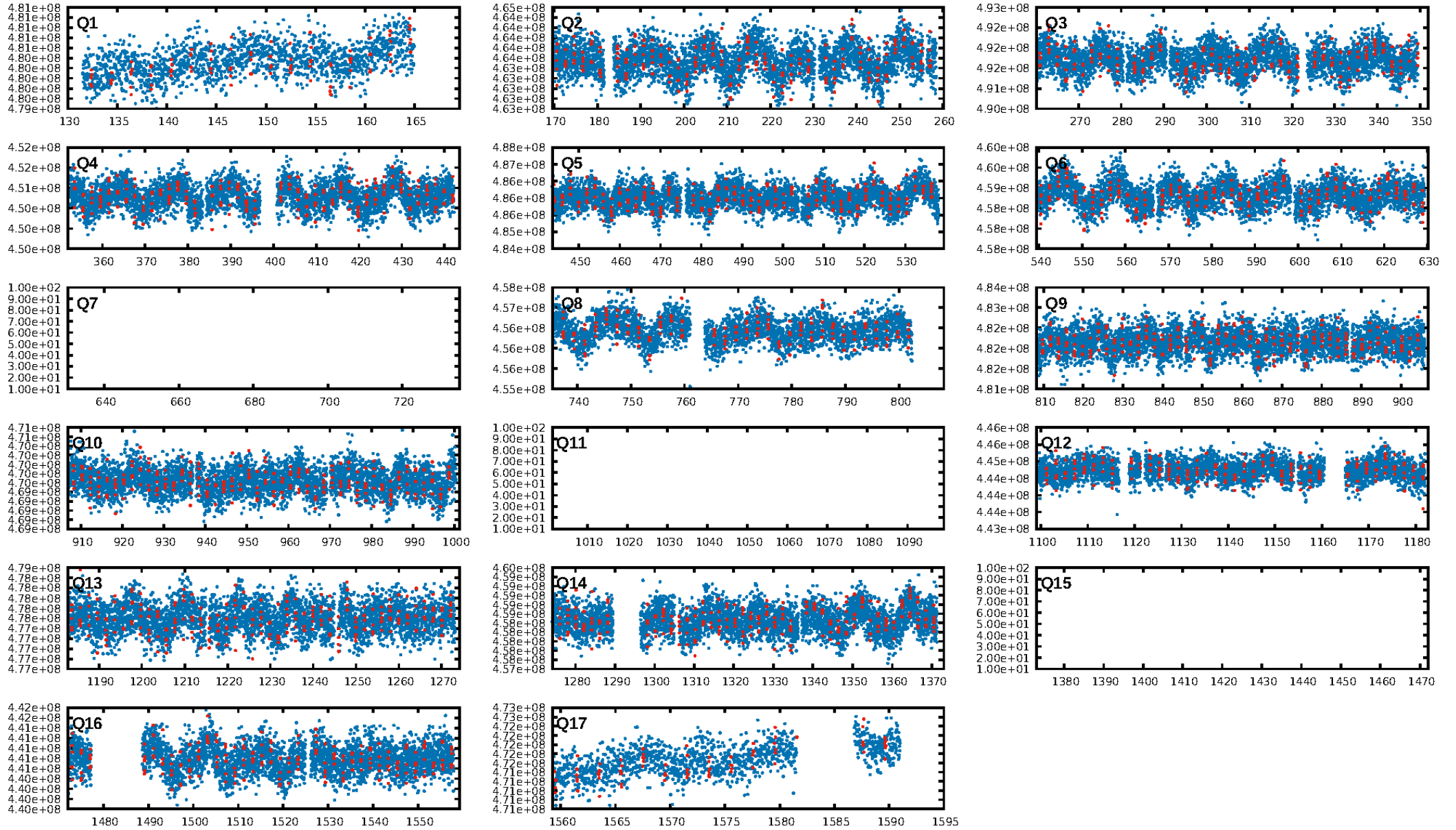
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [7.11σ]
LongPeriod-sig: 99.9% [3.22σ]
ModelChiSquare2-sig: 0.0%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 1.97e-07
RollingBand-fgt: 0.76 [32/42]
GhostDiagnostic-chr: 6.916
Centroid-sig: 1.0%
Centroid-so: 0.232 arcsec [1.74σ]
OotOffset-rm: 0.951 arcsec [2.63σ]
KicOffset-rm: 0.805 arcsec [2.24σ]
OotOffset-st: 3/1/4/5 [13]
KicOffset-st: 3/1/4/5 [13]
DiffImageQuality-fgm: 0.92 [12/13]
DiffImageOverlap-fno: 0.00 [0/14]

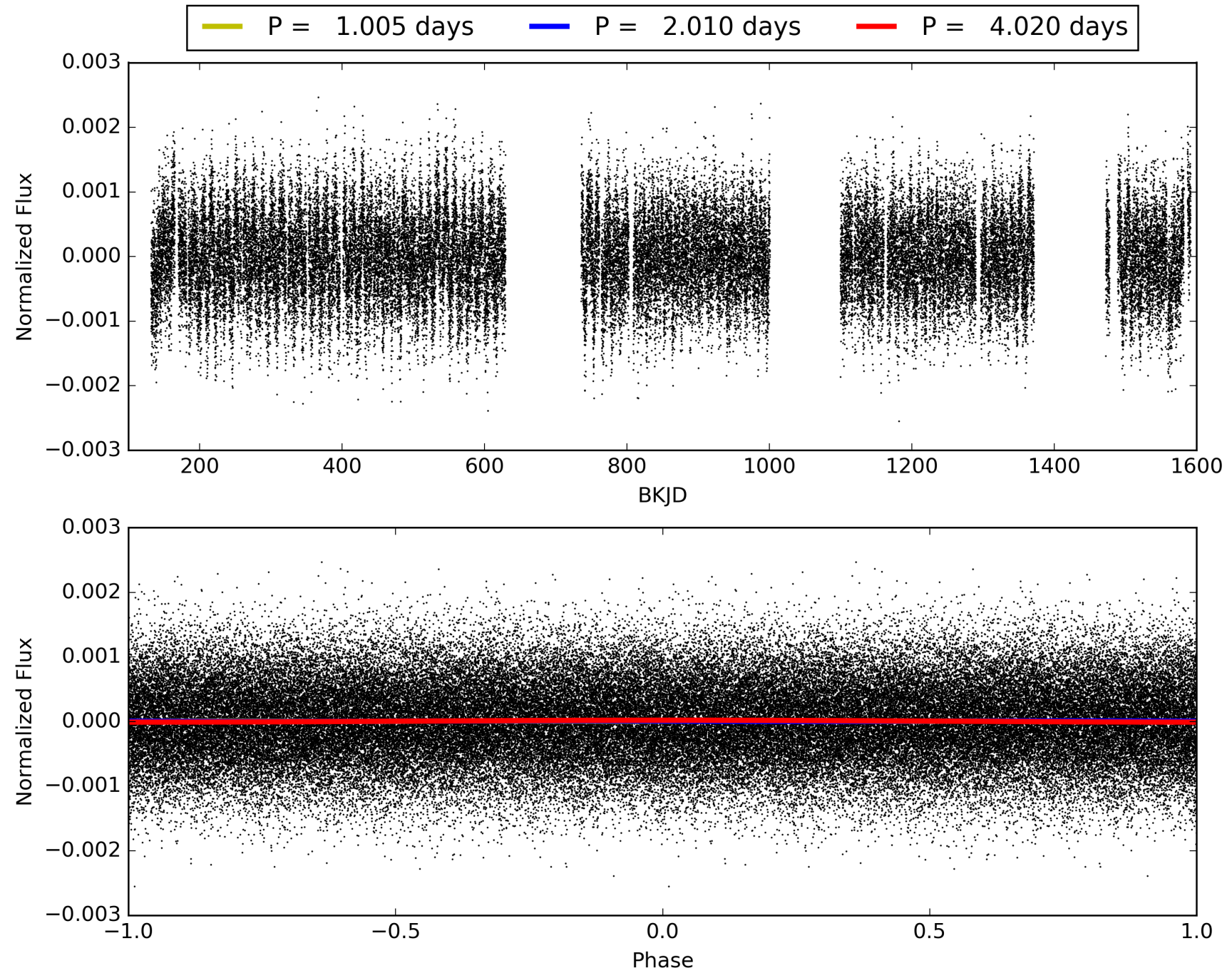
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 11:00:10 Z

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

TCE 011260307-07, PDC Light Curves

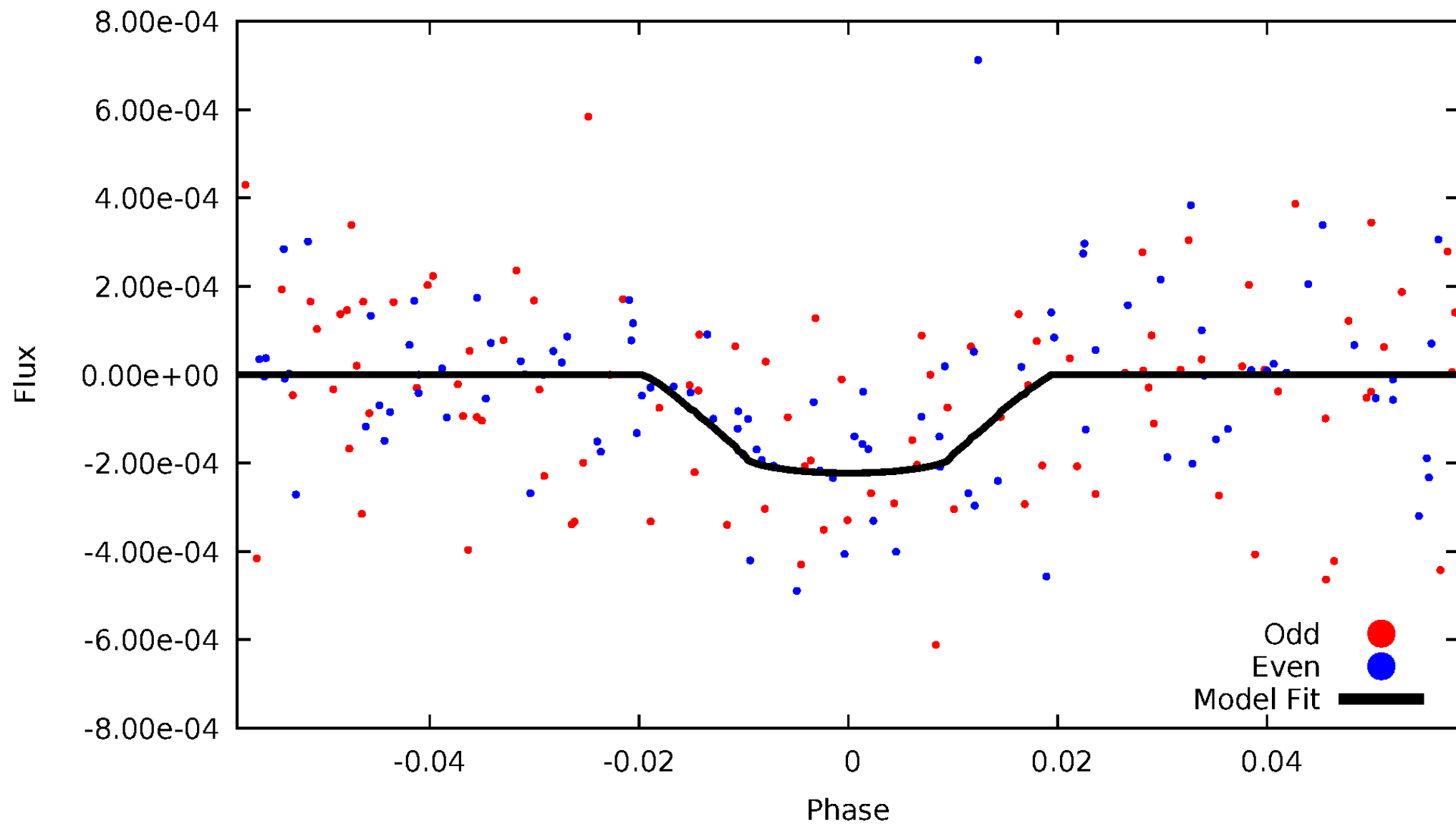


TCE 011260307-07



DV Odd/Even

TCE 011260307-07

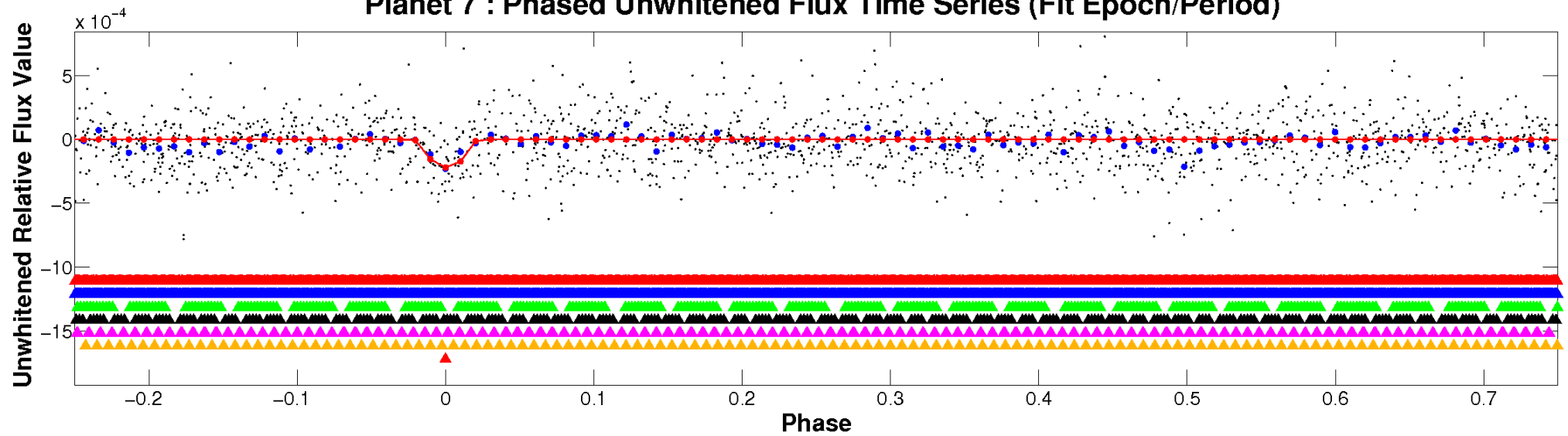


ALT Odd/Even

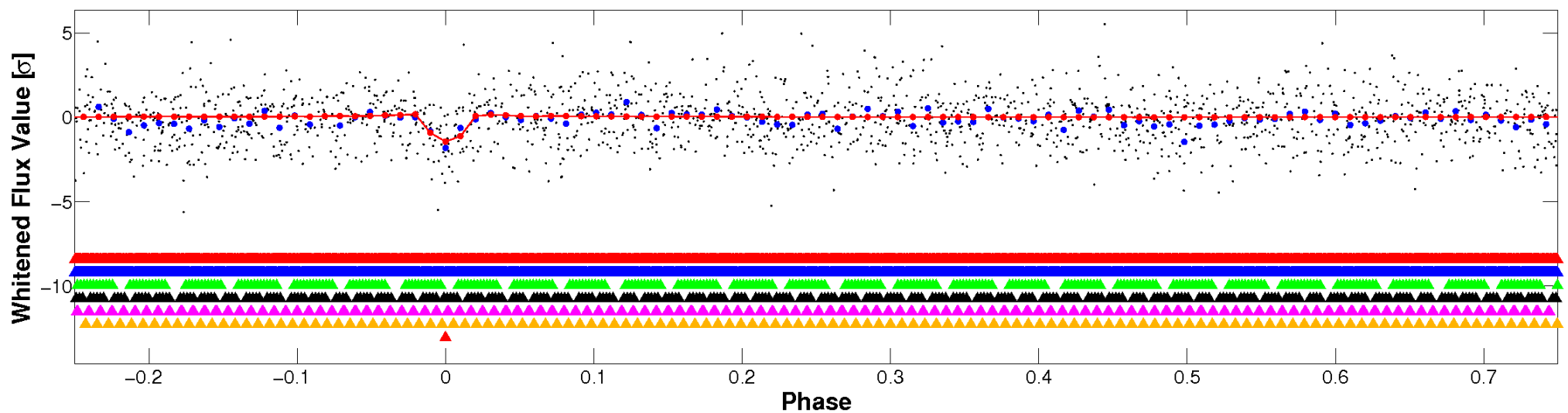
This plot does not exist for this TCE.

Non-Whitened Vs. Whitened Light Curve

Planet 7 : Phased Unwhitened Flux Time Series (Fit Epoch/Period)

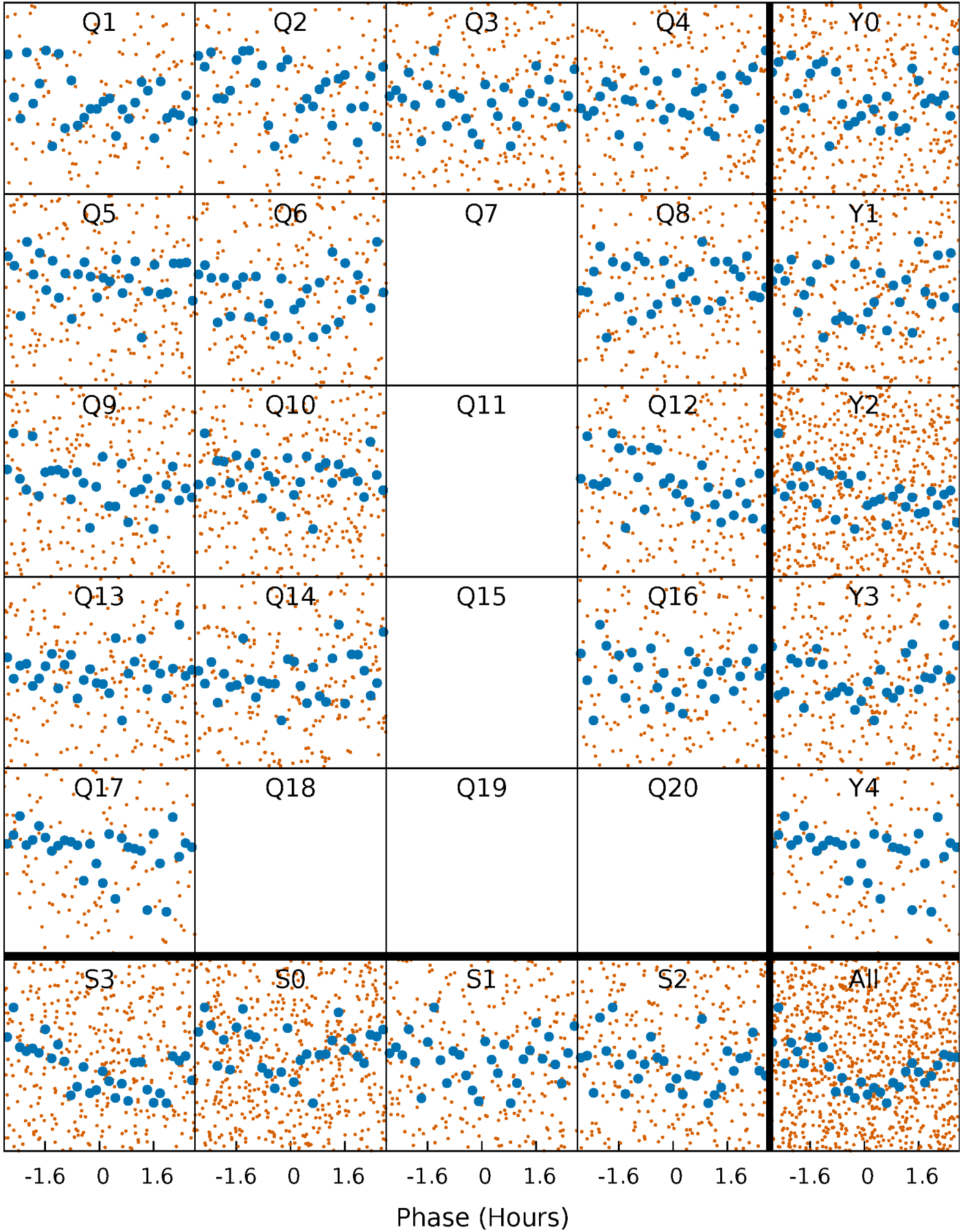


Planet 7 : Phased Whitened Flux Time Series (Fit Epoch/Period)



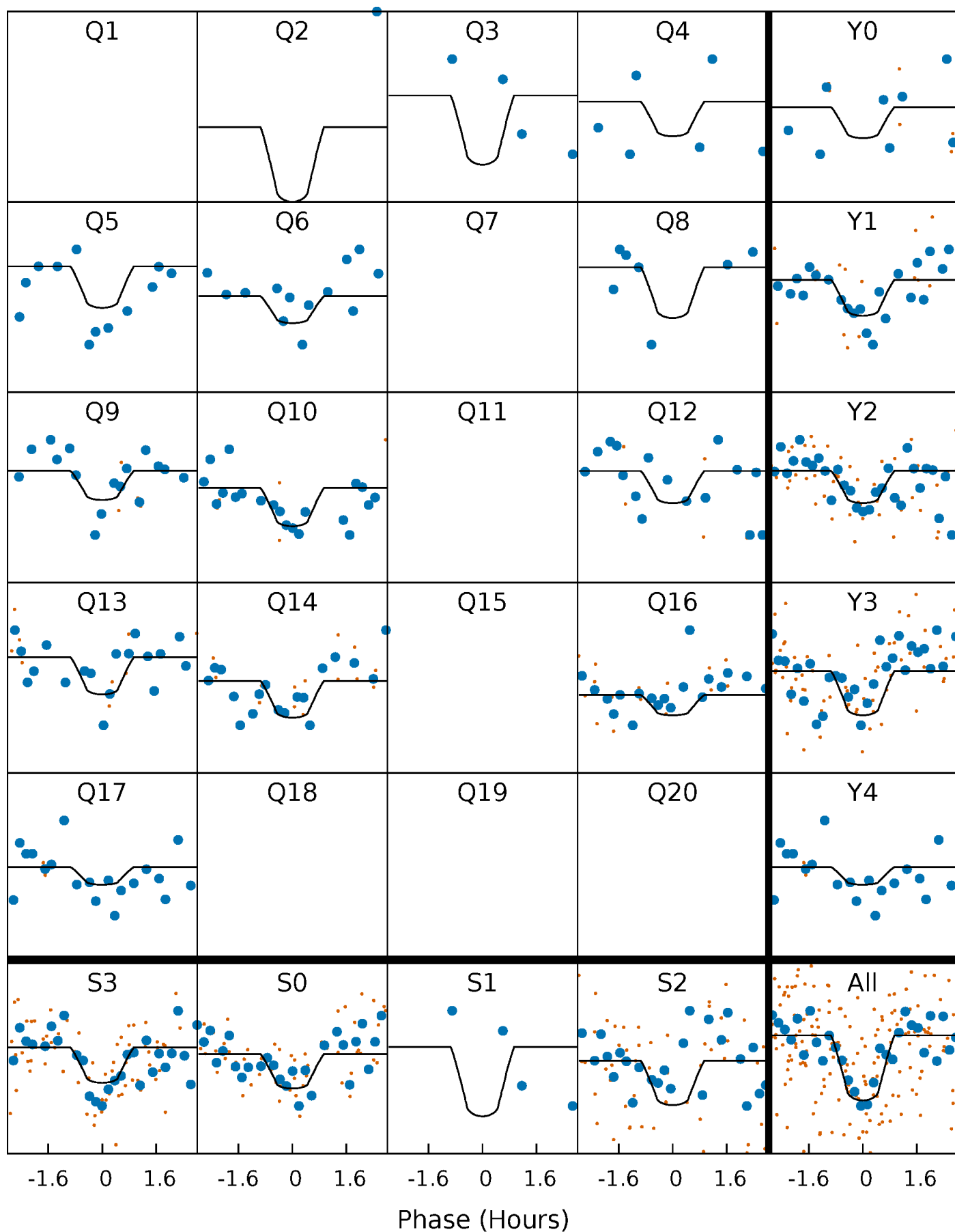
PDC Quarter-Phased Transit Curves

TCE 011260307-07 P= 2.010013 Days $T_0=132.384024$ (BKJD)



DV Quarter-Phased Transit Curves

TCE 011260307-07 $P = 2.010013$ Days $T_0 = 132.384024$ (BKJD)

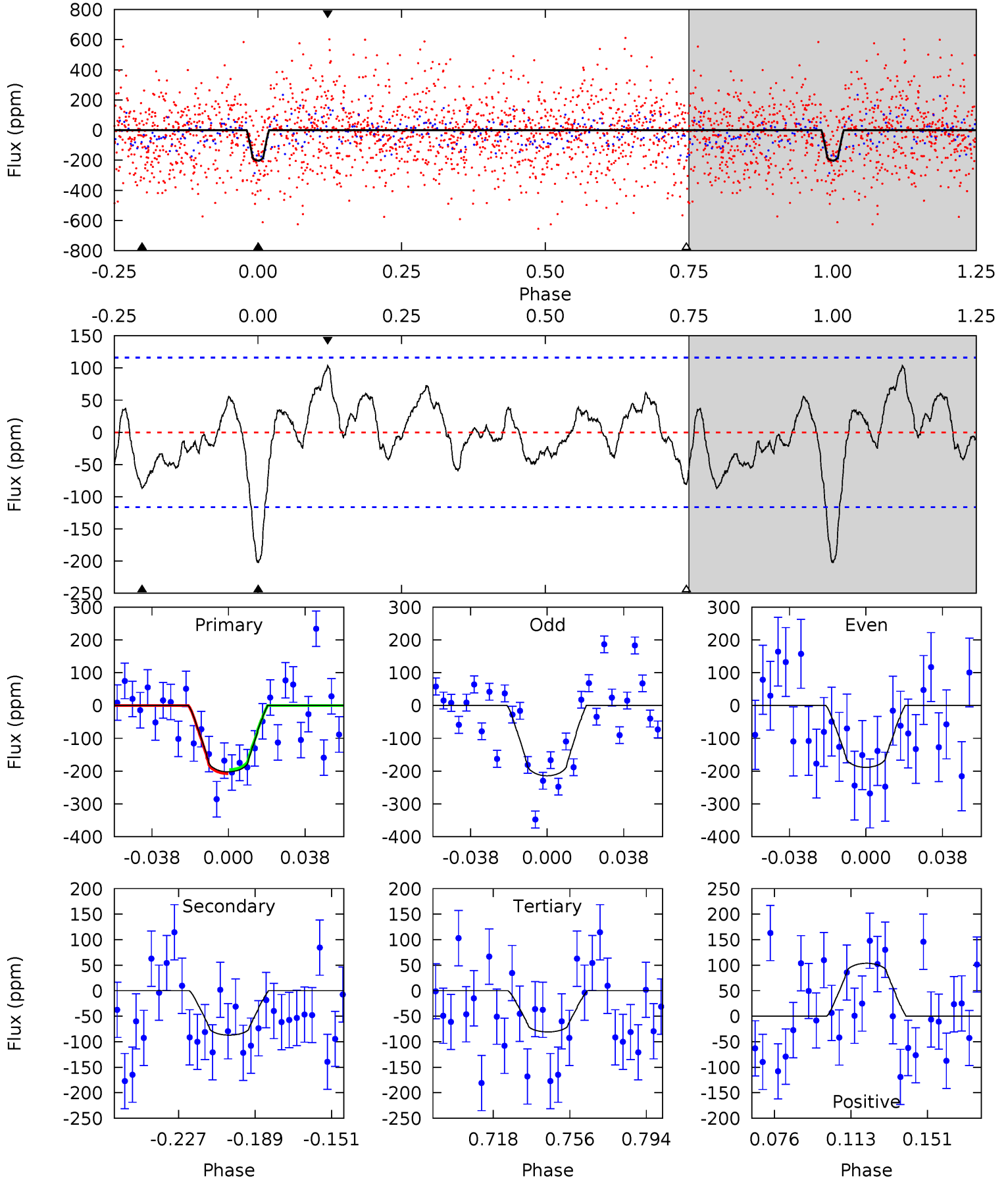


This plot does not exist for this TCE.

DV Model-Shift Uniqueness Test

011260307-07, P = 2.010013 Days, E = 132.384024 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
8.30	3.57	3.32	4.26	4.76	2.08	1.50	4.99	4.05	0.26	-0.68	0.54	0.99	0.34	0.24



Alt Model-Shift Uniqueness Test

This plot does not exist for this TCE.

Stellar Parameters For KIC 011260307

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	$R (R_{\odot})$	$M(M_{\odot})$	$p_{\star} (\text{g}\cdot\text{cm}^{-3})$
	7377^{+232}_{-310}	$4.021^{+0.234}_{-0.156}$	$-0.280^{+0.250}_{-0.350}$	$1.989^{+0.567}_{-0.567}$	$1.514^{+0.220}_{-0.269}$	$0.271^{+0.390}_{-0.122}$
	+3%/-4%	+6%/-4%	+89%/-125%	+29%/-29%	+15%/-18%	+144%/-45%
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 011260307-07 / KOI

Detrend	Depth (ppm)	$R_p (R_{\oplus})$	$T_{\text{max}} (K)$	$T_{\text{obs}} (K)$	A_{obs}
DV	-87 ± 24	$3.67^{+3.33}_{-2.42}$	3357^{+268}_{-292}	5205^{+4295}_{-1270}	$4.370^{+31.555}_{-3.183}$
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 $A_{\text{obs}} \gg 1.0$

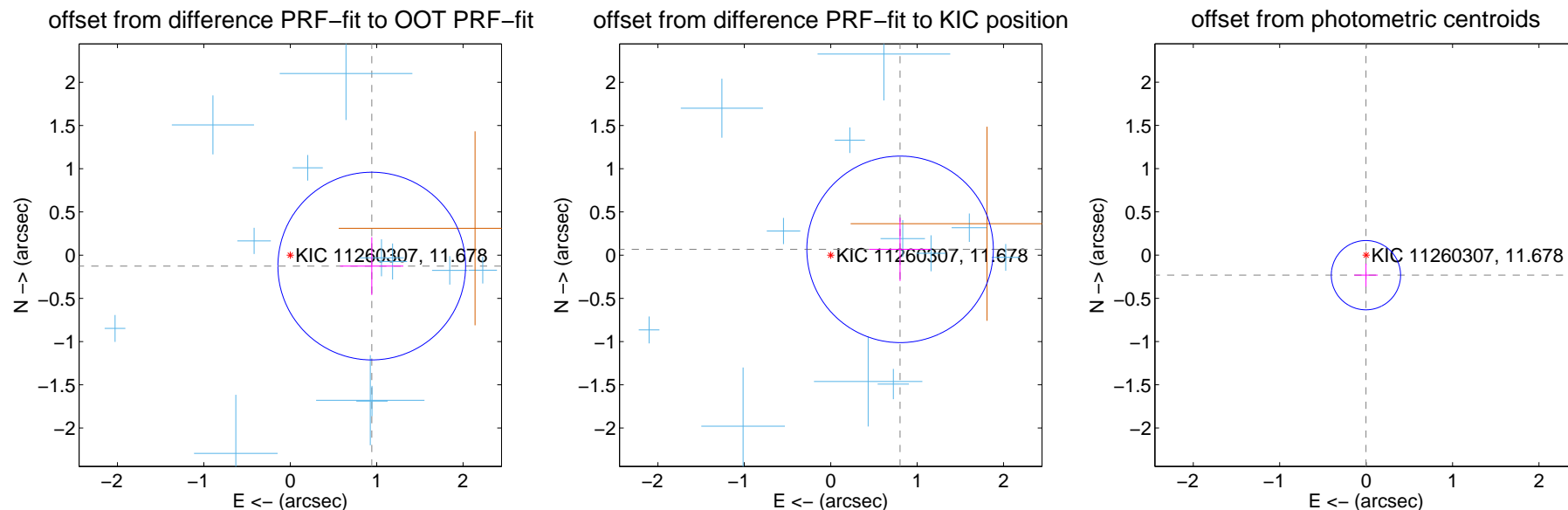
DV Centroid Data

Supplemental centroid analysis for 011260307-07. **Kepler magnitude: 11.68.** Transit SNR 9.10

There are 12 quarters with good PRF difference image offsets

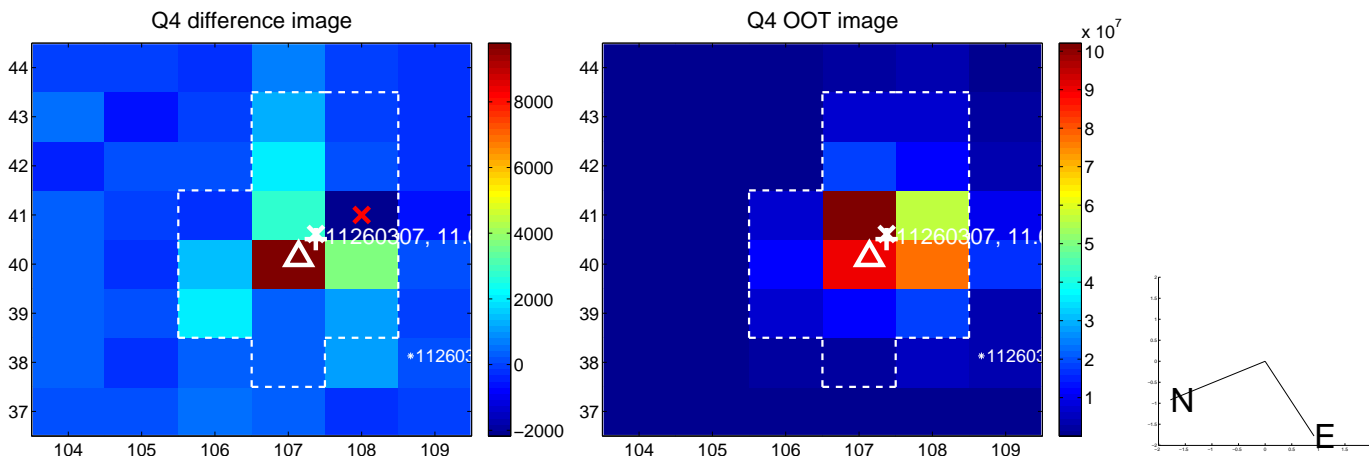
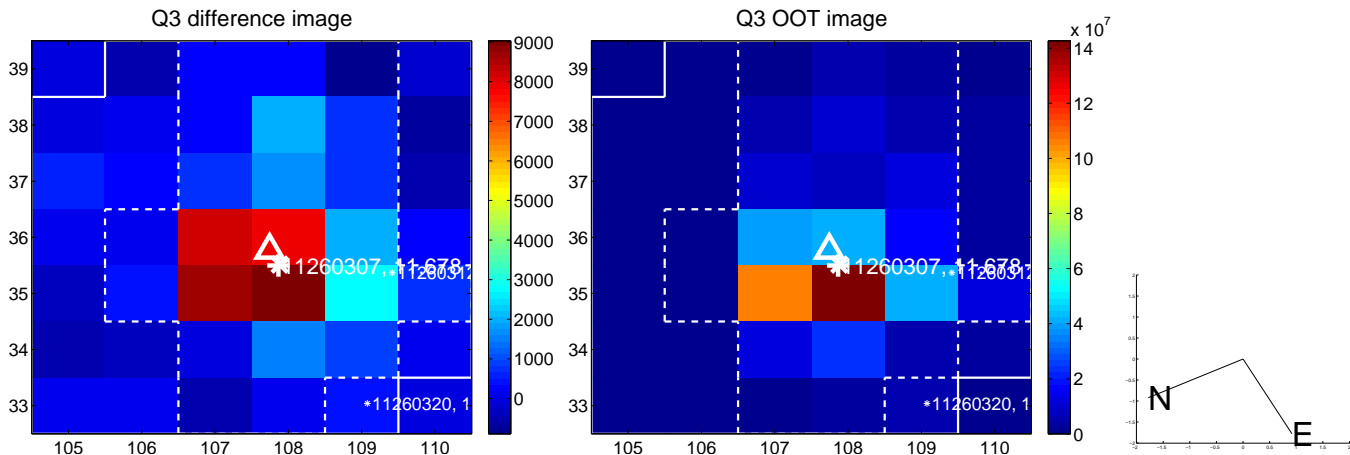
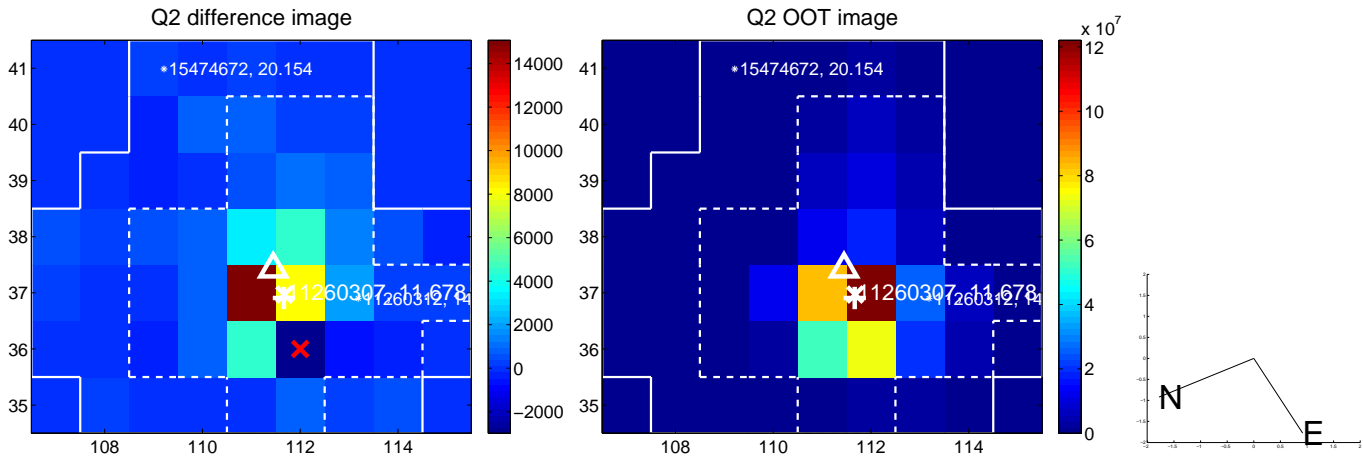
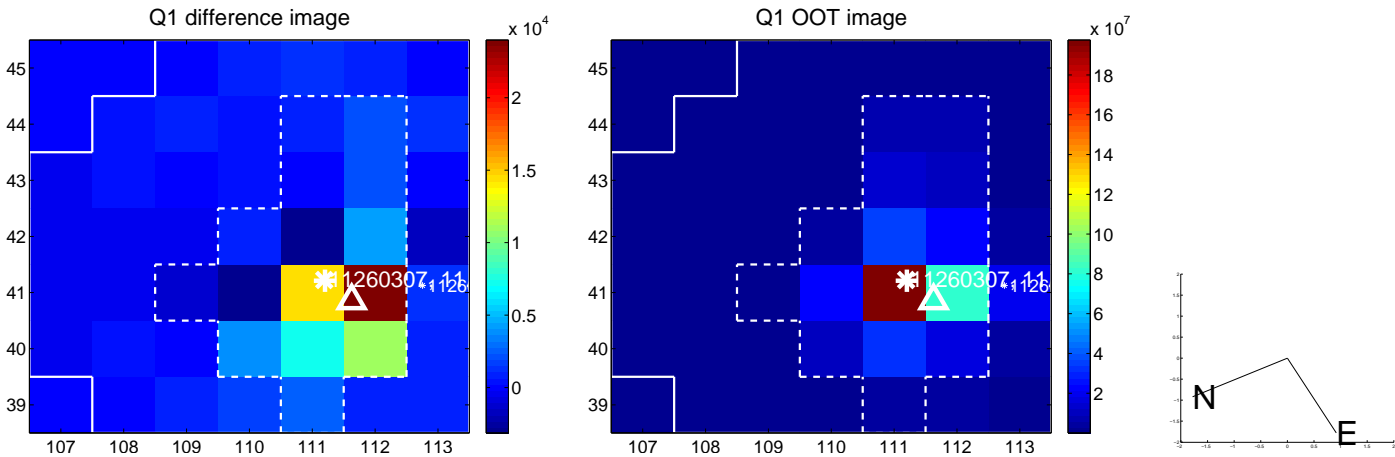
The direct PRF centroid is offset from the target star catalog position by about 0.32 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.951 ± 0.362	2.63	-0.943 ± 0.366	-0.126 ± 0.334
PRF-fit source offset from KIC position	0.805 ± 0.360	2.24	-0.803 ± 0.356	0.067 ± 0.366
photometric centroid source offset	0.23 ± 0.13	1.74	0.00 ± 0.14	-0.23 ± 0.13

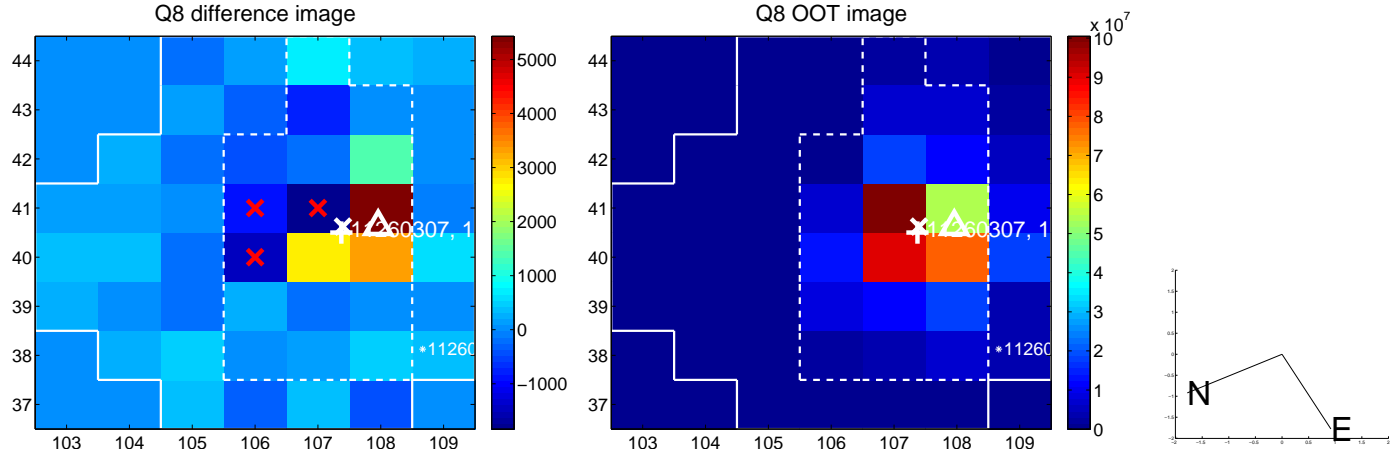
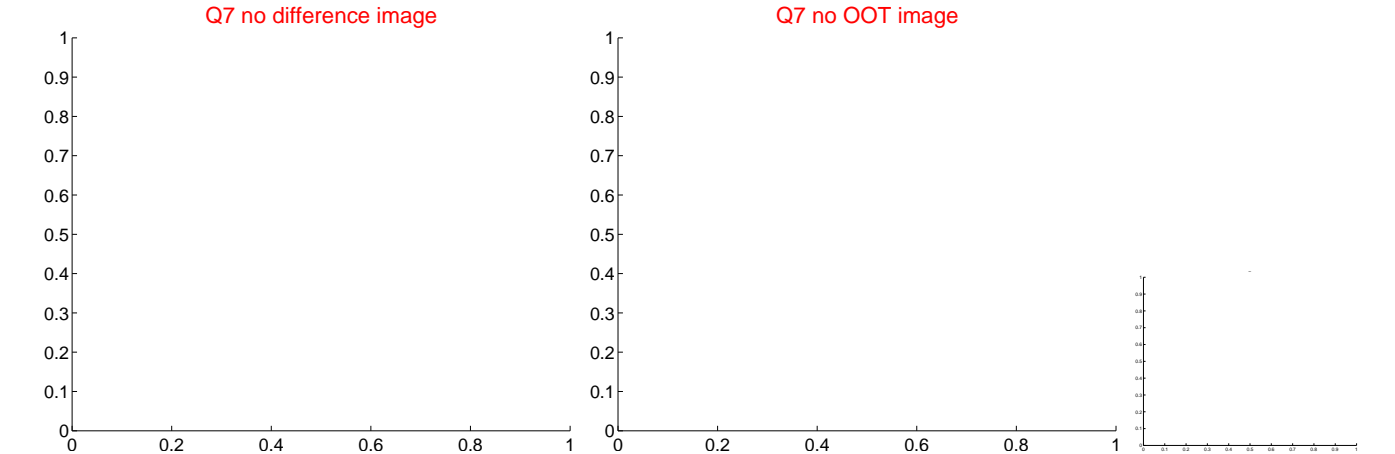
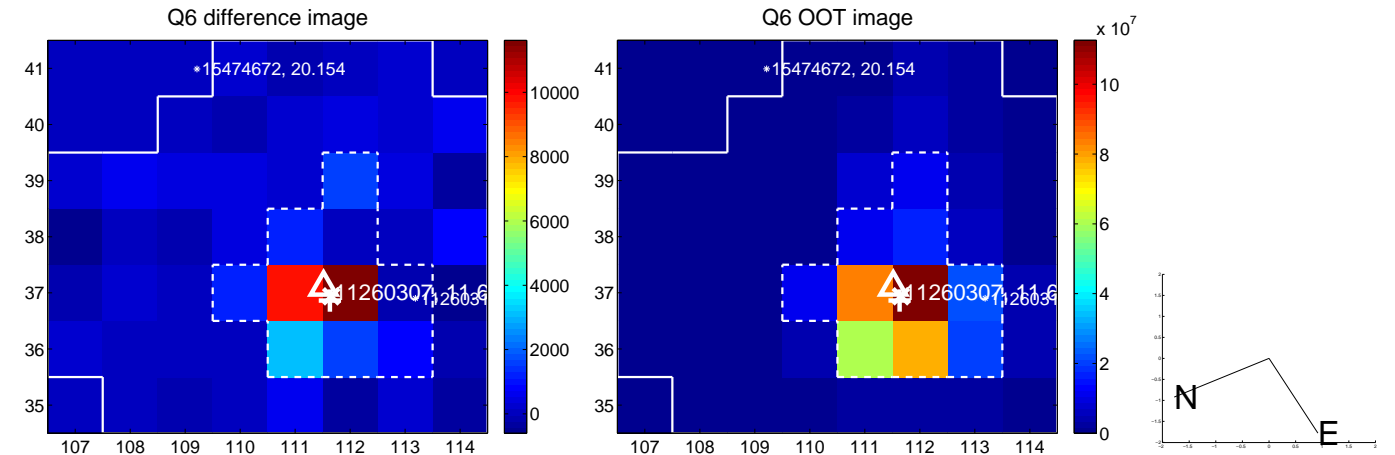
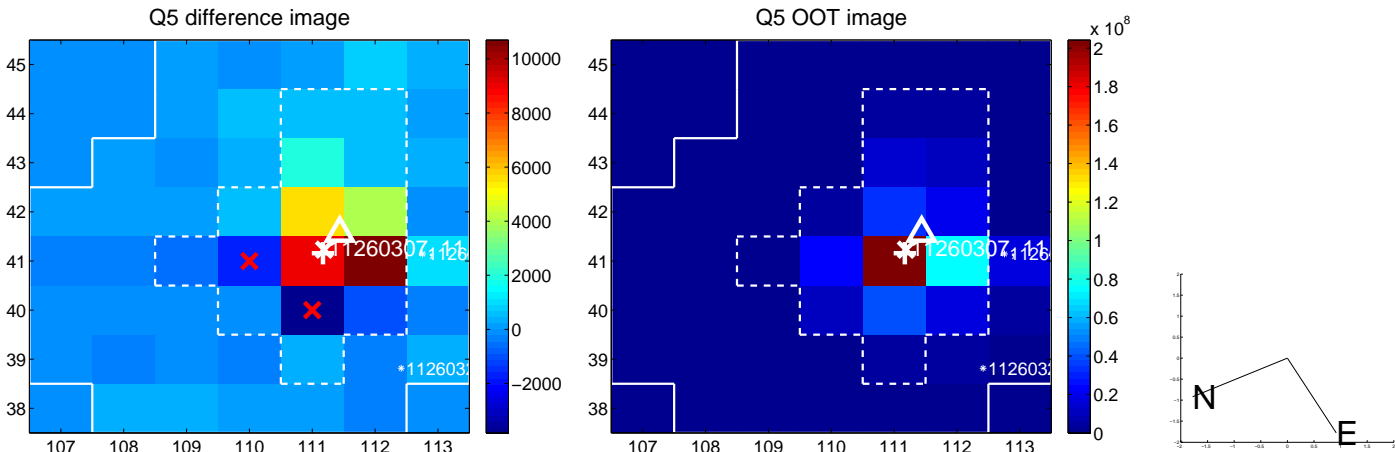


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. **Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets;** magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three-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

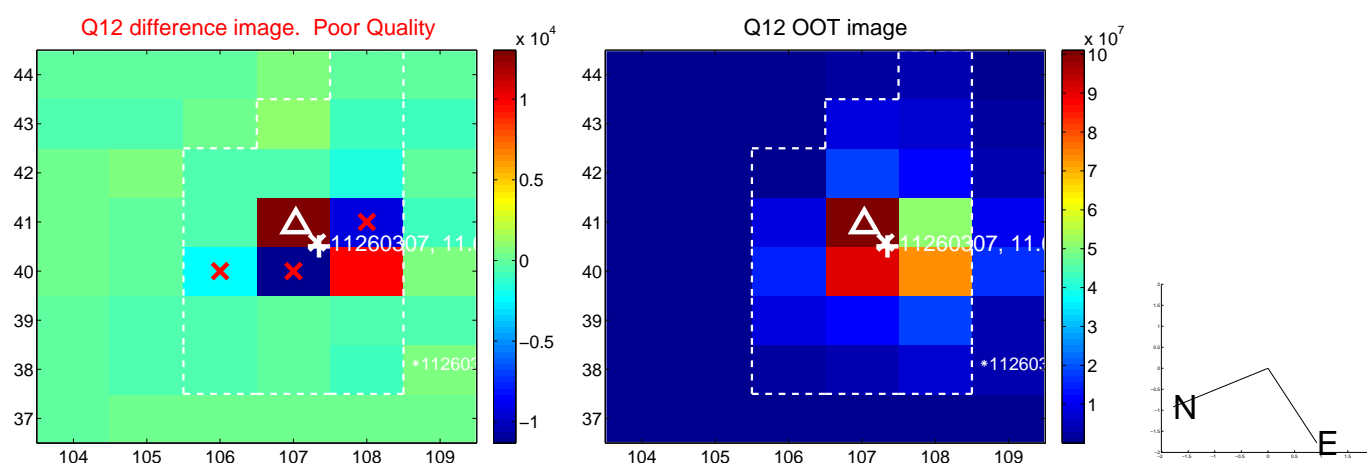
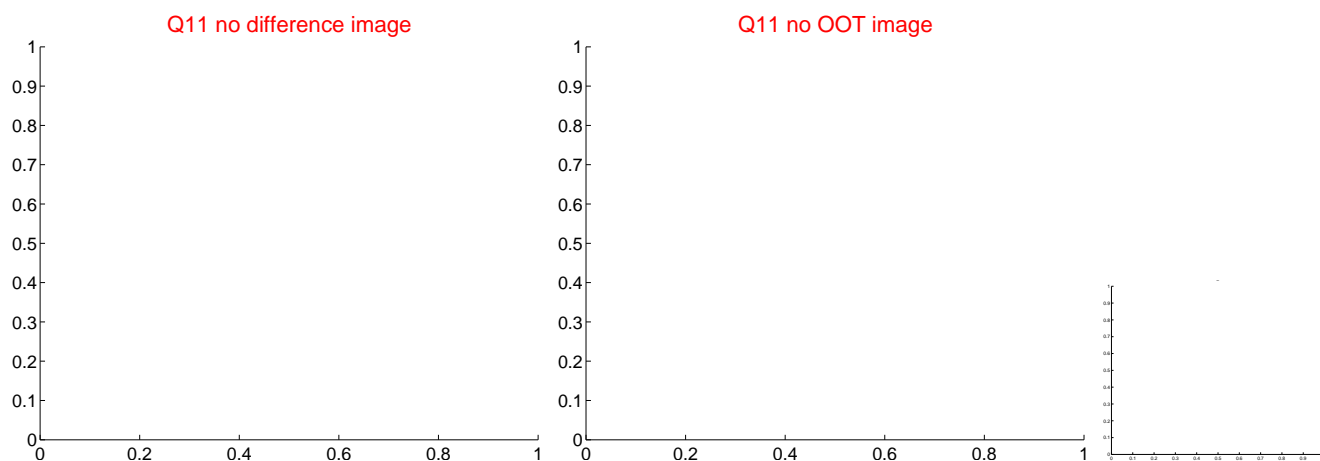
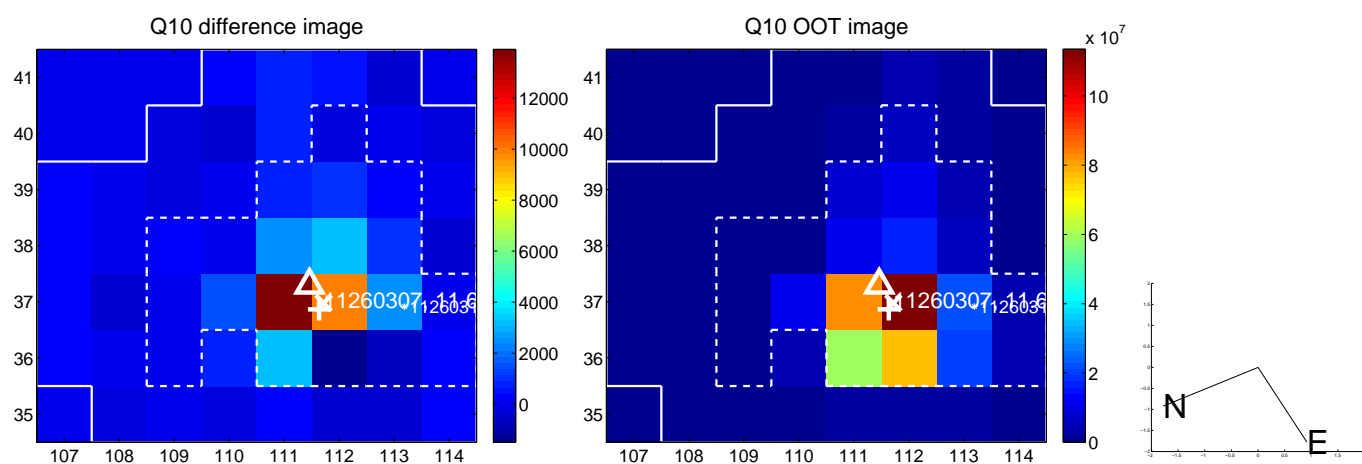
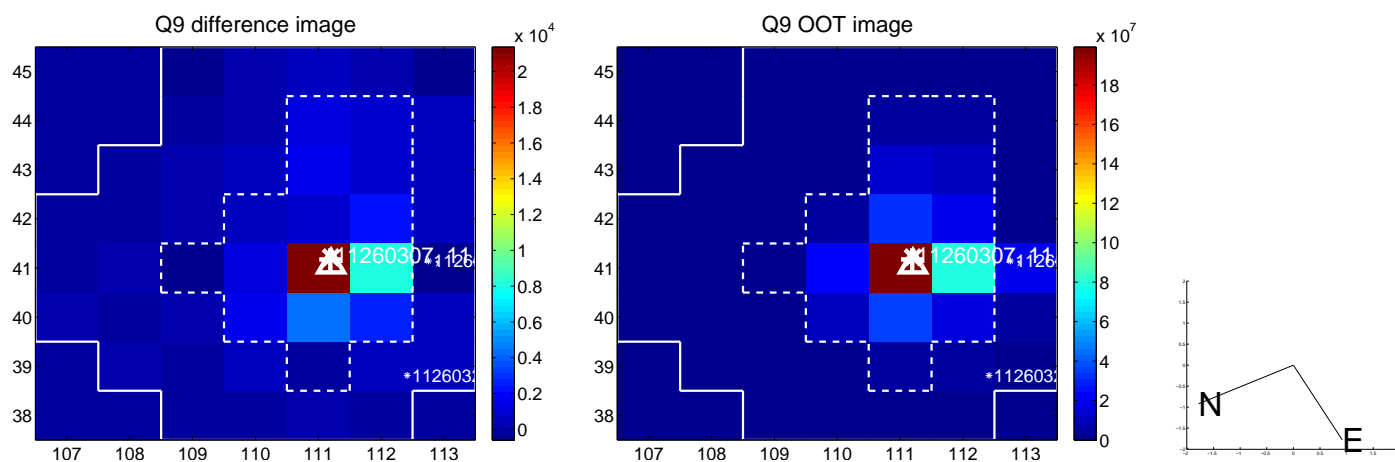
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



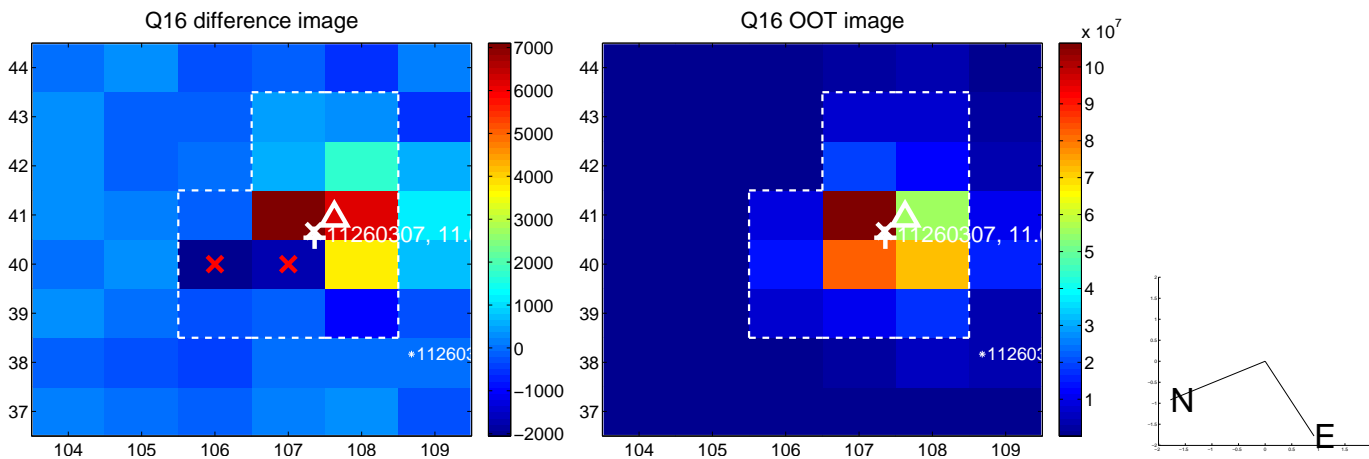
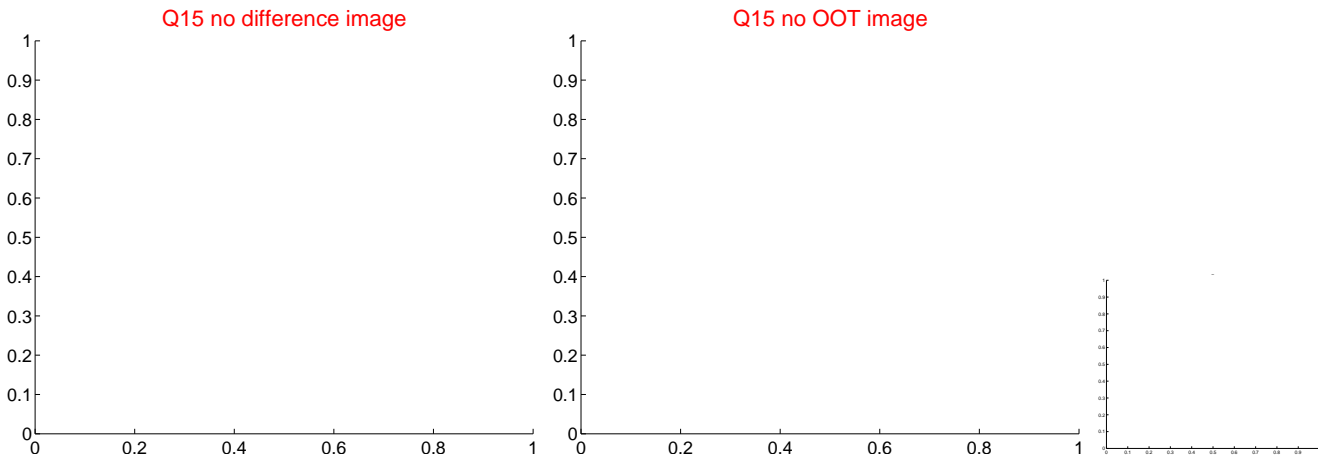
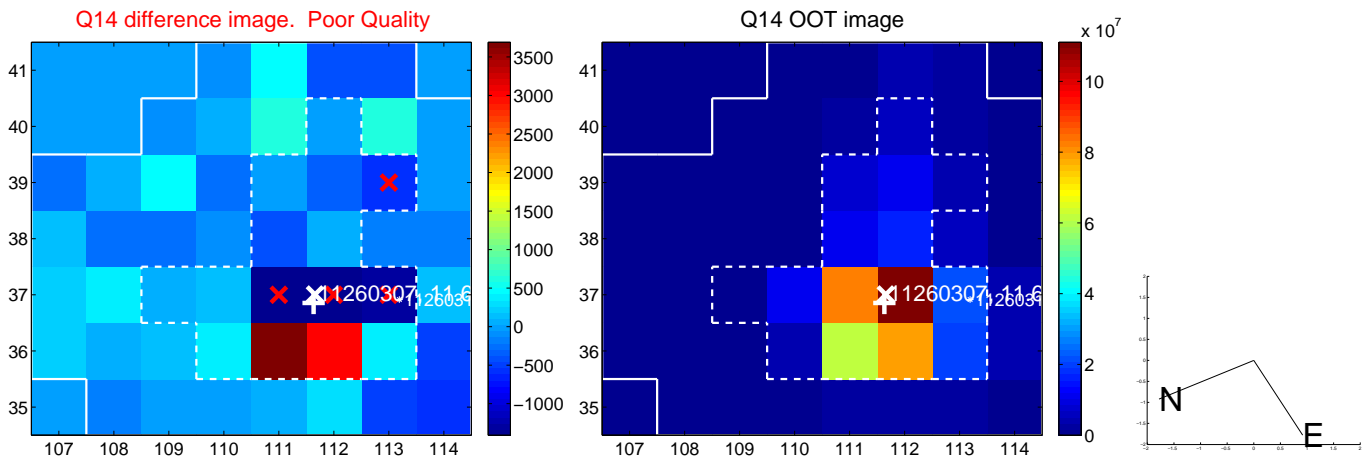
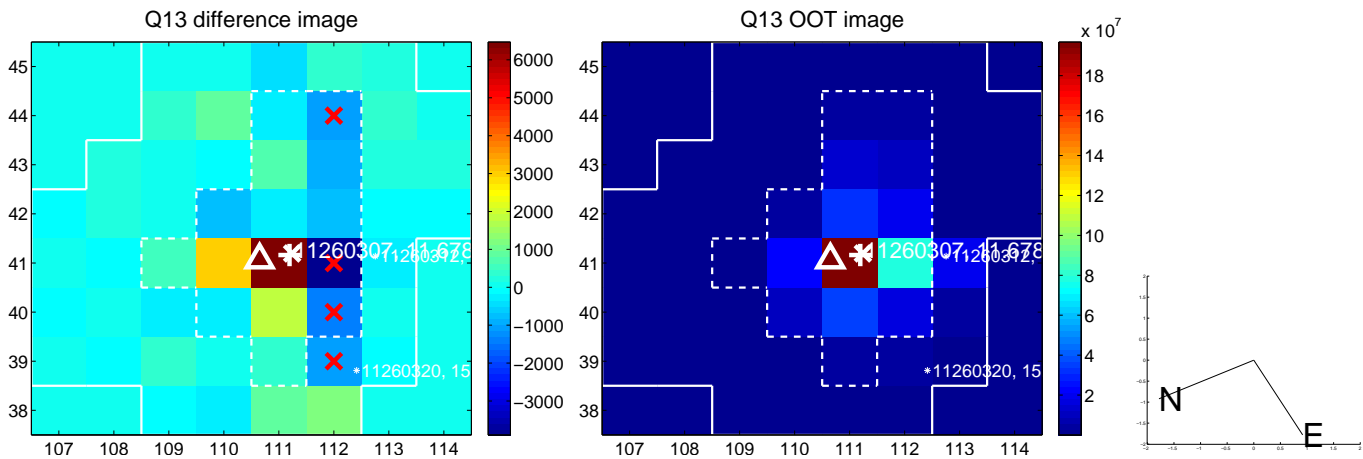
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



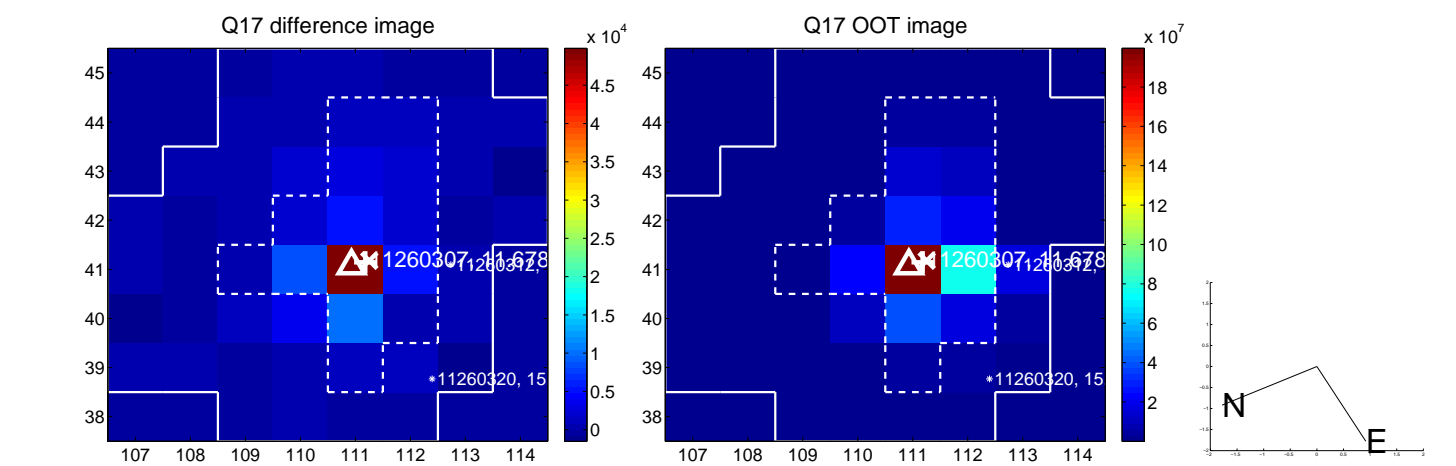
white \times : KIC target position; $+$: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



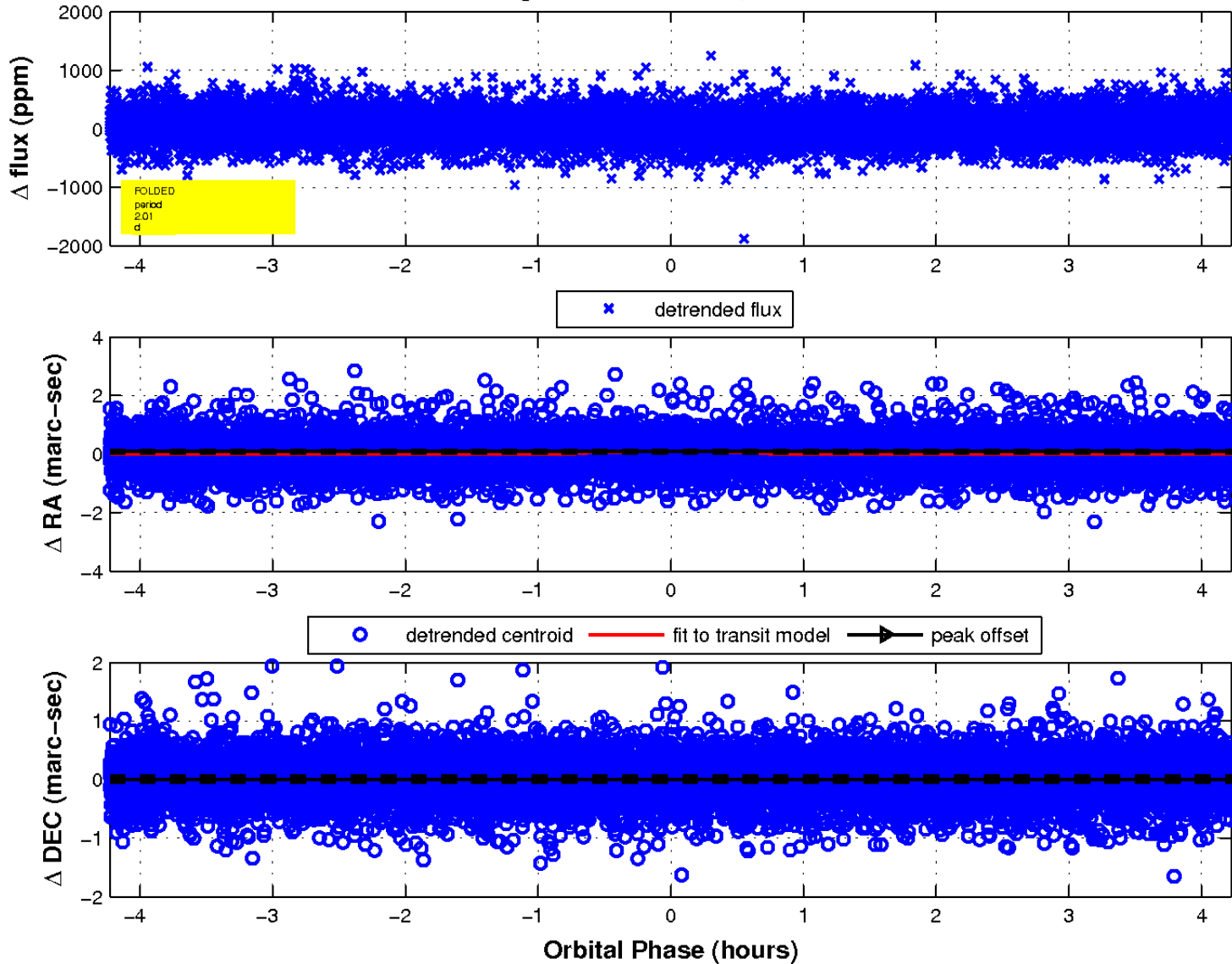
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



fluxWeightedCentroids, Planet 7 of 7



UKIRT Image

