KIC 006462185

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 ($S_\oplus$)
006462185-01	OBS	No	0.900689	131.915757	14.6	4.836	7.9	4.1	6.81	6474	2.66	0.00
006462185-02	OBS	No	100.930659	174.504608	697.2	11.738	7.9	7.7	6.81	6474	23.68	222.64
006462185-03	OBS	No	158.471318	175.512301	1304.8	13.459	8.1	8.1	6.81	6474	46.10	122.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006462185-01	OBS	FP	0.00	1	0	1	0	LPP_DV—MOD_NONUNIQ_DV—HALO_GHOST
006462185-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_ALT
006462185-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_FEW_DIFFS

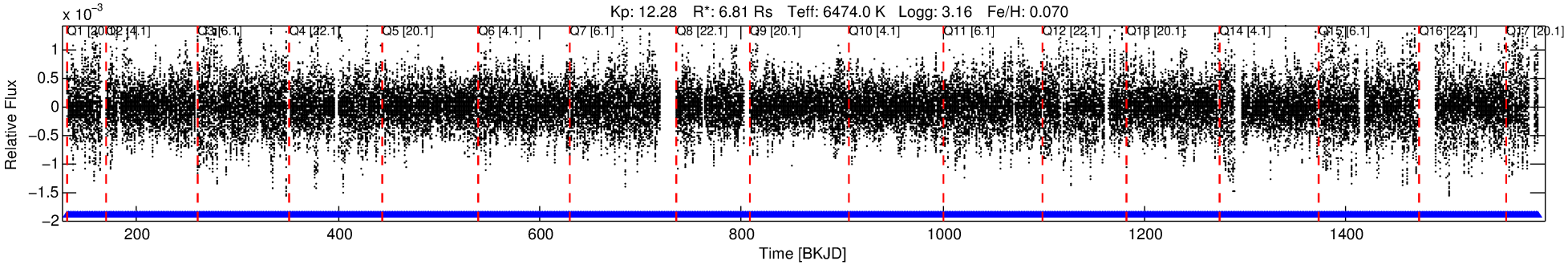
Notes: OBS = Observed. INJ = Injected. INV = Inverted. SCR = Scrambled.
N = Not Transit-Like. S = Stellar Eclipse. C = Centroid Offset. E = Ephemeris Match.
See `http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col` for comment definitions.

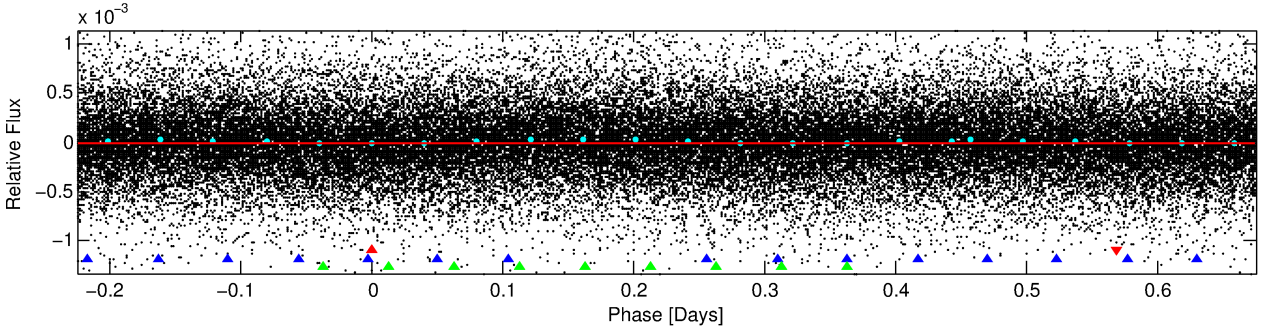
Ephemeris Match Information For 006462185-01

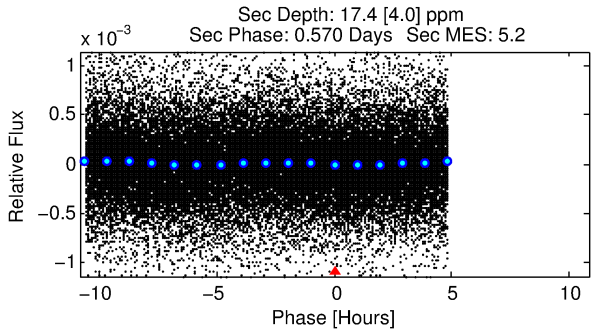
No Significant Match Found

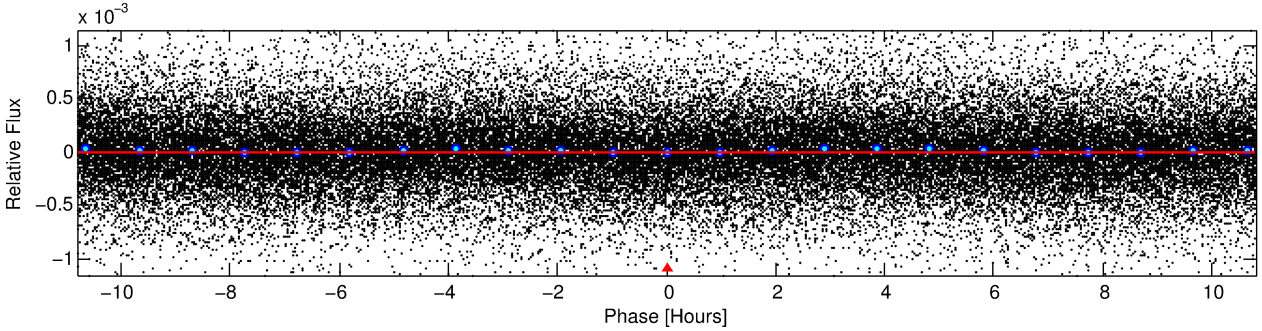
DV One-Page Summary

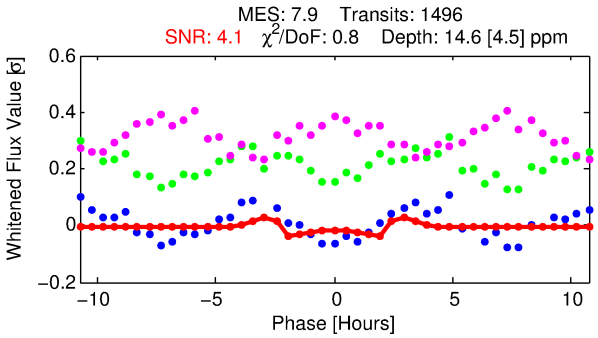
KIC: 6462185 Candidate: 1 of 3 Period: 0.901 d

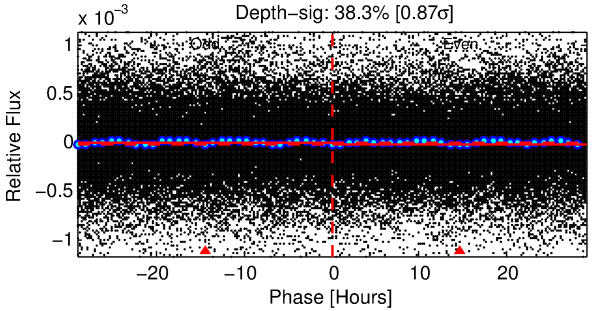


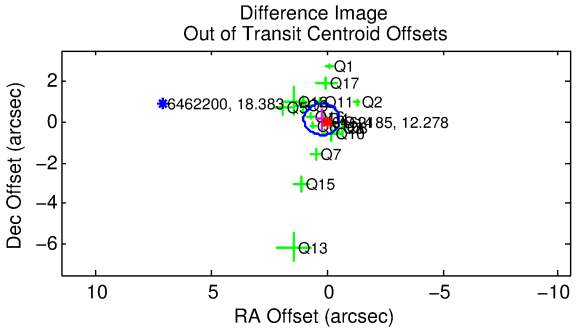












DV Fit Results:

Period = 0.90069 [0.00002] d
Epoch = 131.9158 [0.0041] BKJD
Rp/R* = 0.0036 [0.0016]
a/R* = 1.49 [1.96]
b = 0.38 [5.52]

Seff = N/A
Teq = N/A
Rp = 2.66 [1.79] Re
a = N/A

Ag = N/A
Teffp = N/A

DV Diagnostic Results:

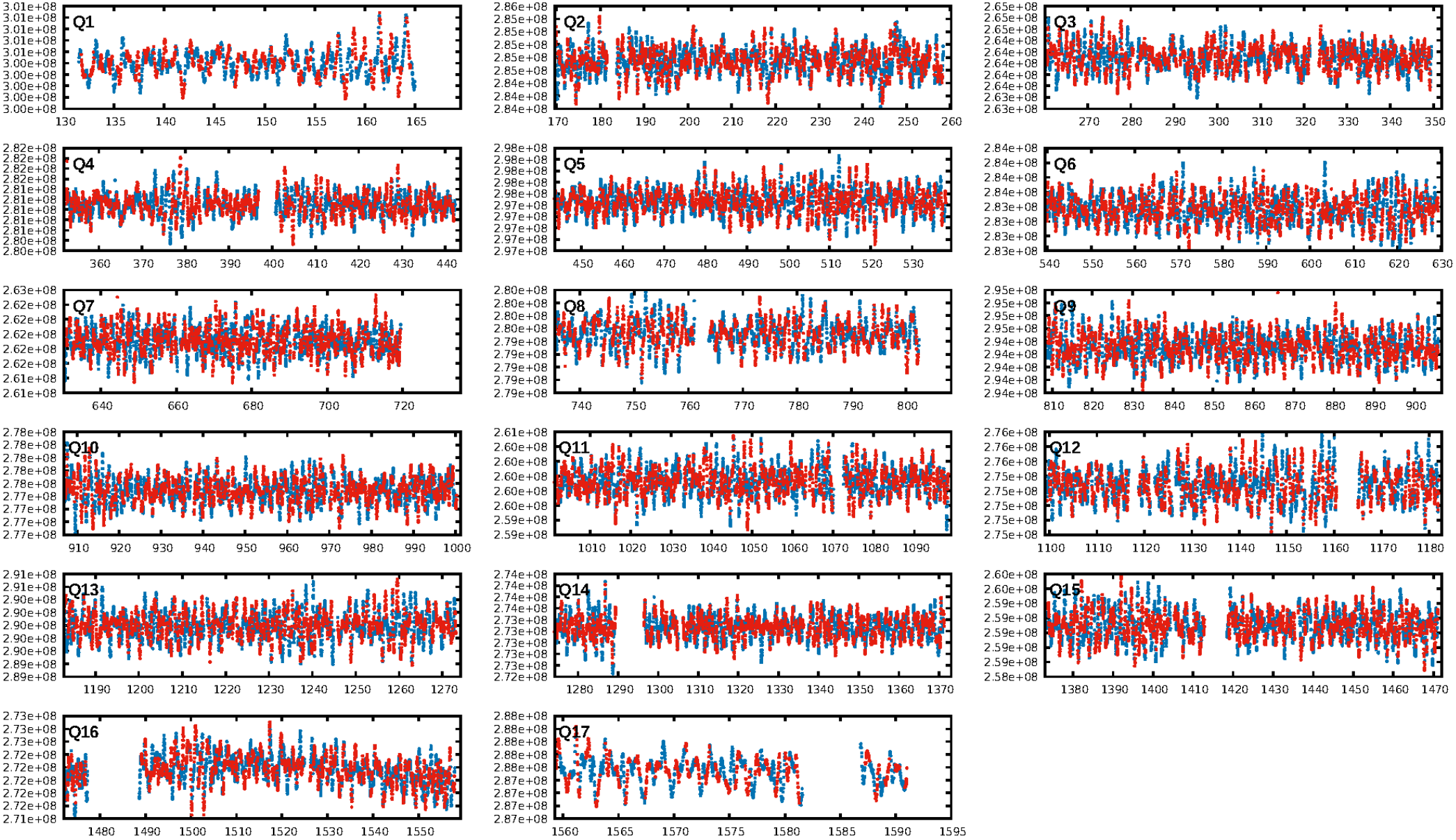
ShortPeriod−sig: N/A
LongPeriod−sig: 100.0% [189.11σ]
ModelChiSquare2−sig: N/A
ModelChiSquareGof−sig: N/A
Bootstrap−pfa: 2.11e−12
RollingBand−fgt: 1.00 [1429/1429]
GhostDiagnostic−chr: 0.1705

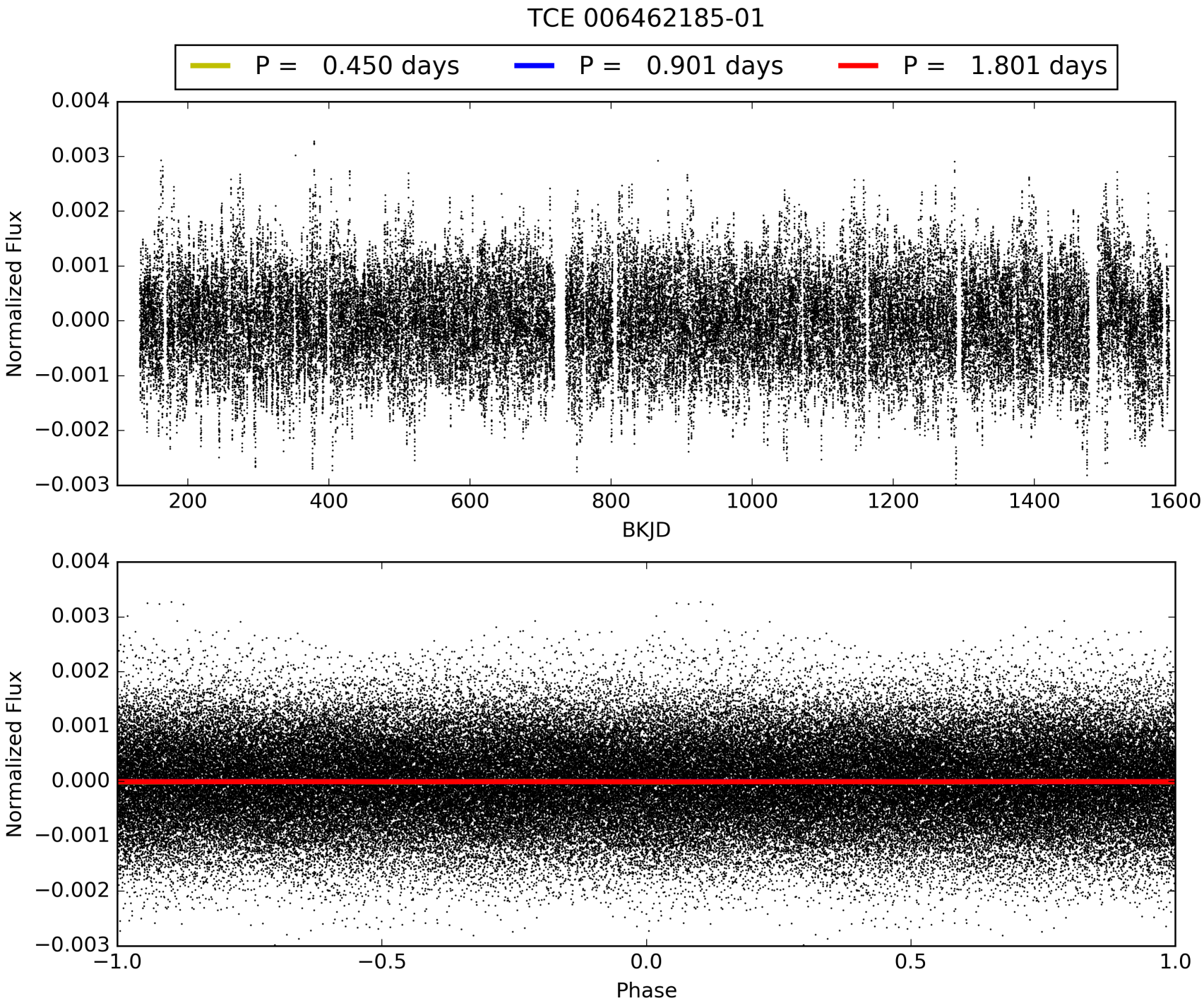
Centroid−sig: 1.2%
Centroid−so: 1.109 arcsec [1.58σ]
OotOffset−rm: 0.266 arcsec [1.04σ]
KicOffset−rm: 0.340 arcsec [1.33σ]
OotOffset−st: 4/4/4/5 [17]
KicOffset−st: 4/4/4/5 [17]
DiffImageQuality−fgm: 0.71 [12/17]
DiffImageOverlap−fno: 1.00 [17/17]

Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31−Jan−2016 03:21:02 Z

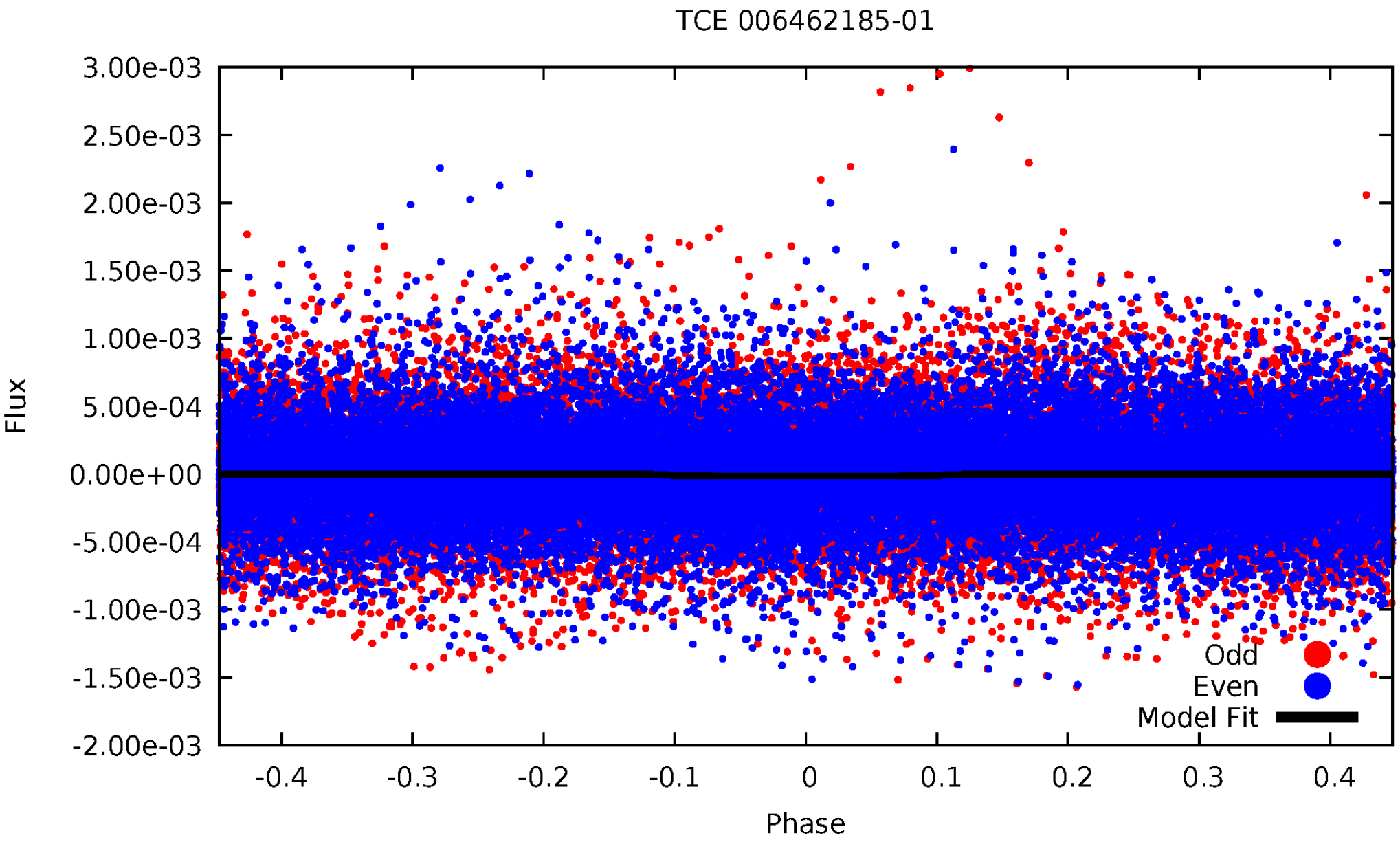
This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 006462185-01, PDC Light Curves

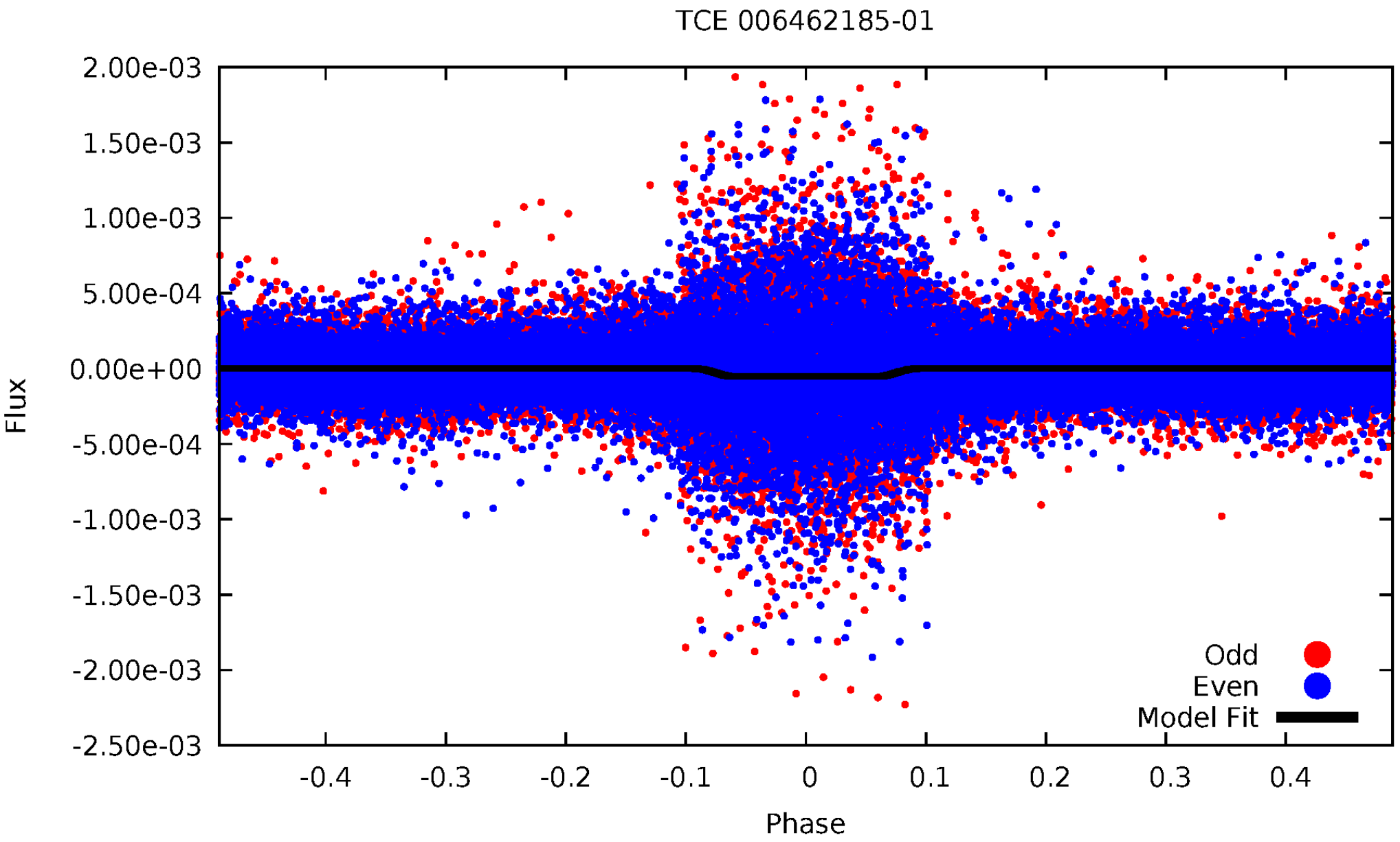



TCE 006462185-01
P = 0.450 days
P = 0.901 days
P = 1.801 days
Normalized Flux
BKJD
Normalized Flux
Phase

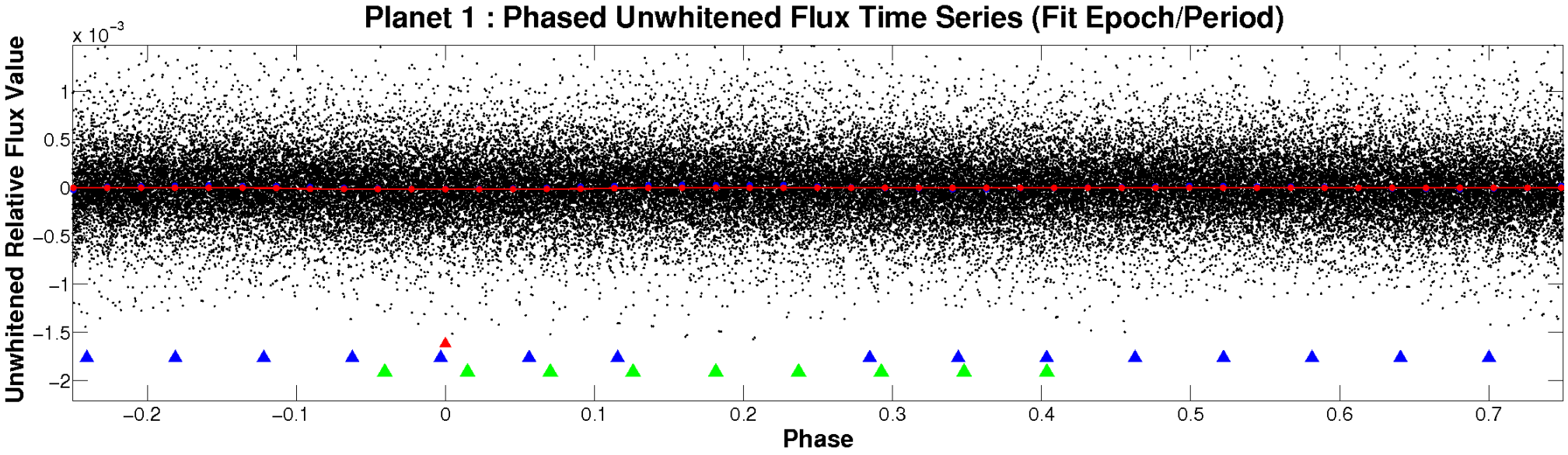
DV Odd/Even

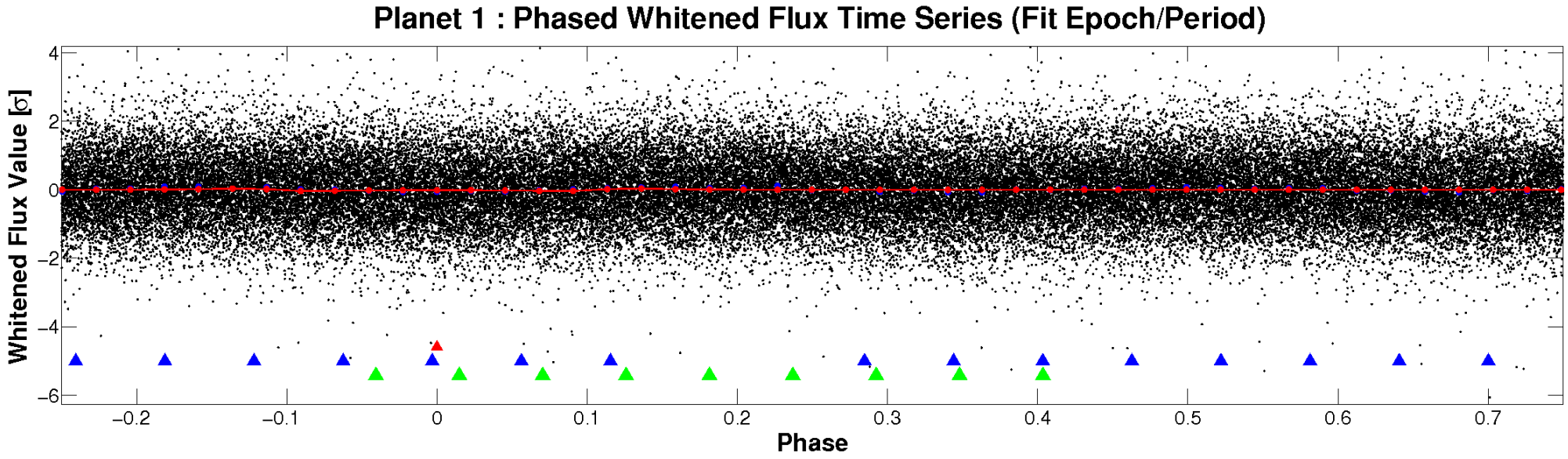

TCE 006462185-01
3.00e-03
2.50e-03
2.00e-03
1.50e-03
1.00e-03
5.00e-04
0.00e+00
-5.00e-04
-1.00e-03
-1.50e-03
-2.00e-03
Flux
-0.4
-0.3
-0.2
-0.1
0
0.1
0.2
0.3
0.4
Phase
Odd
Even
Model Fit

ALT Odd/Even


TCE 006462185-01
2.00e-03
1.50e-03
1.00e-03
5.00e-04
0.00e+00
-5.00e-04
-1.00e-03
-1.50e-03
-2.00e-03
-2.50e-03
Flux
-0.4
-0.3
-0.2
-0.1
0
0.1
0.2
0.3
0.4
Phase
Odd
Even
Model Fit

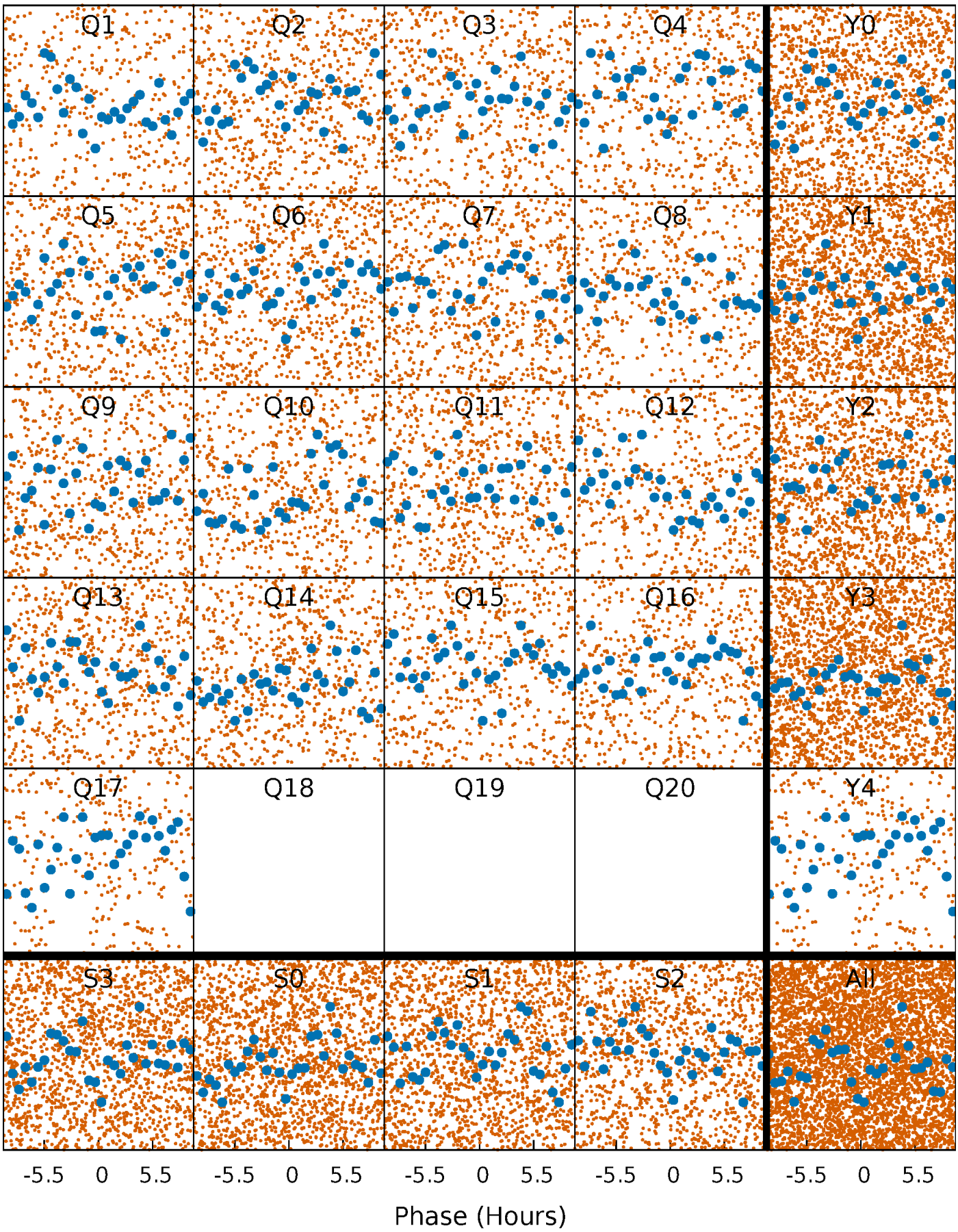
Non-Whitened Vs. Whitened Light Curve





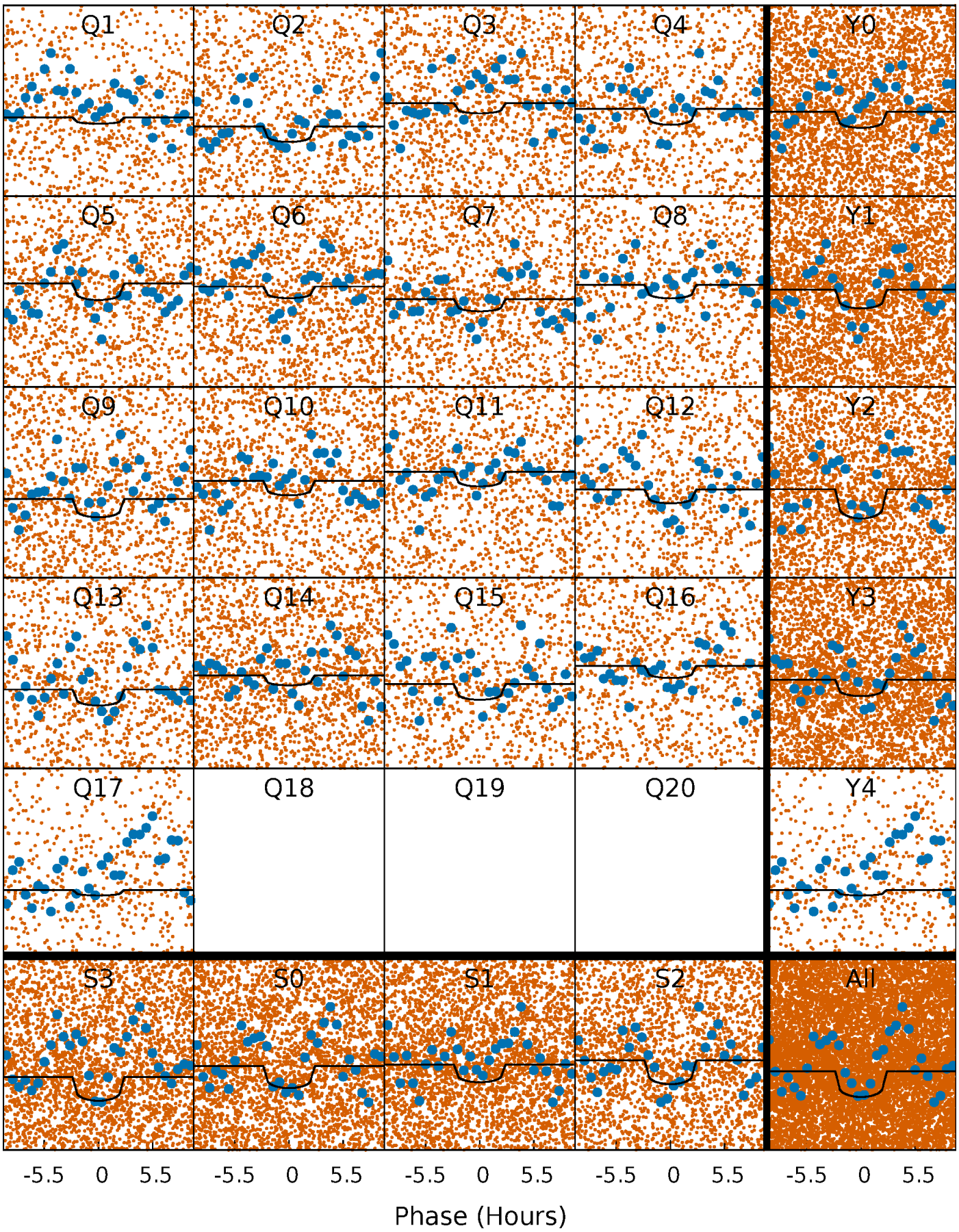
PDC Quarter-Phased Transit Curves

TCE 006462185-01 P= 0.900689 Days T_0=131.915757 (BKJD)



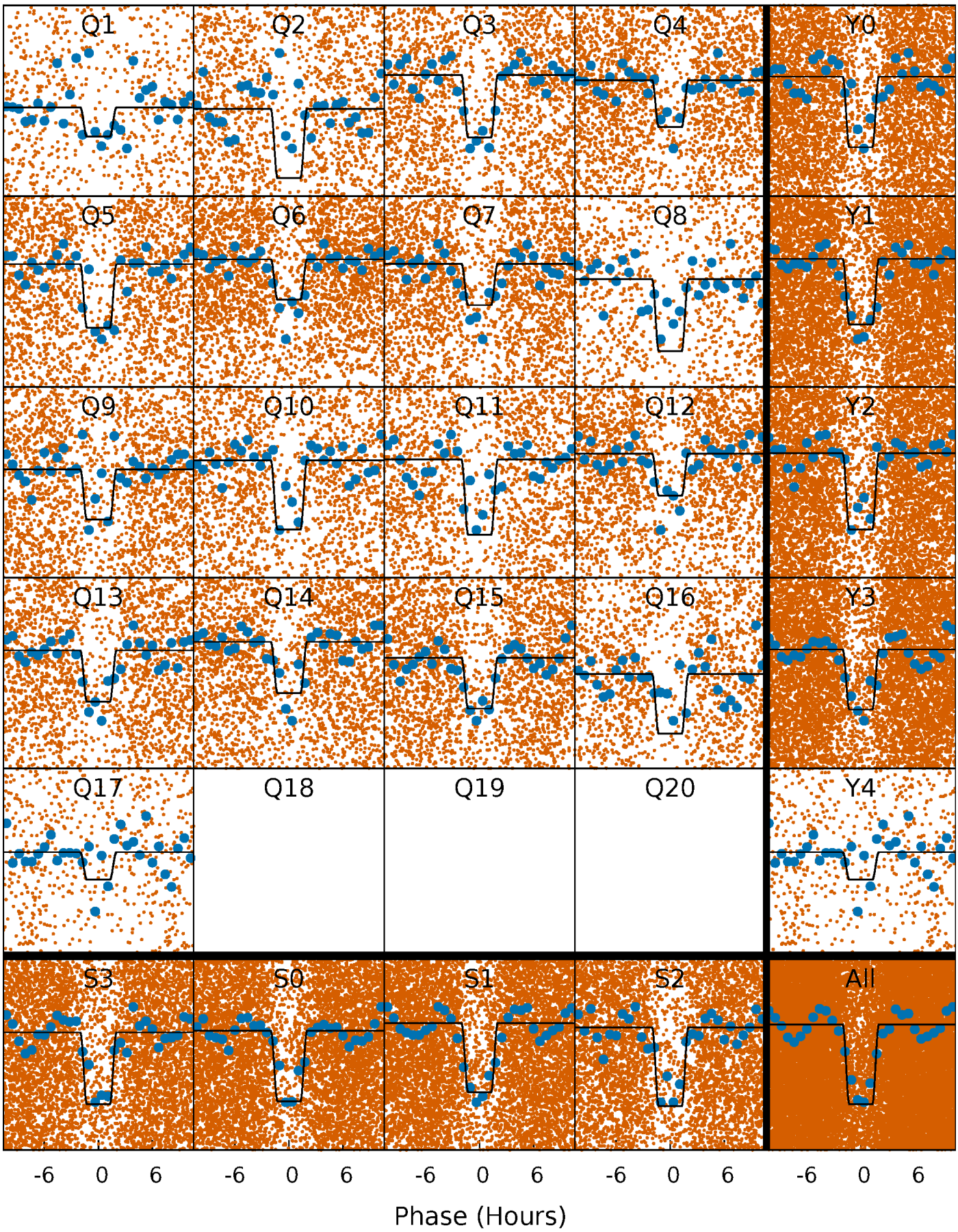
DV Quarter-Phased Transit Curves

TCE 006462185-01 P= 0.900689 Days T_0=131.915757 (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

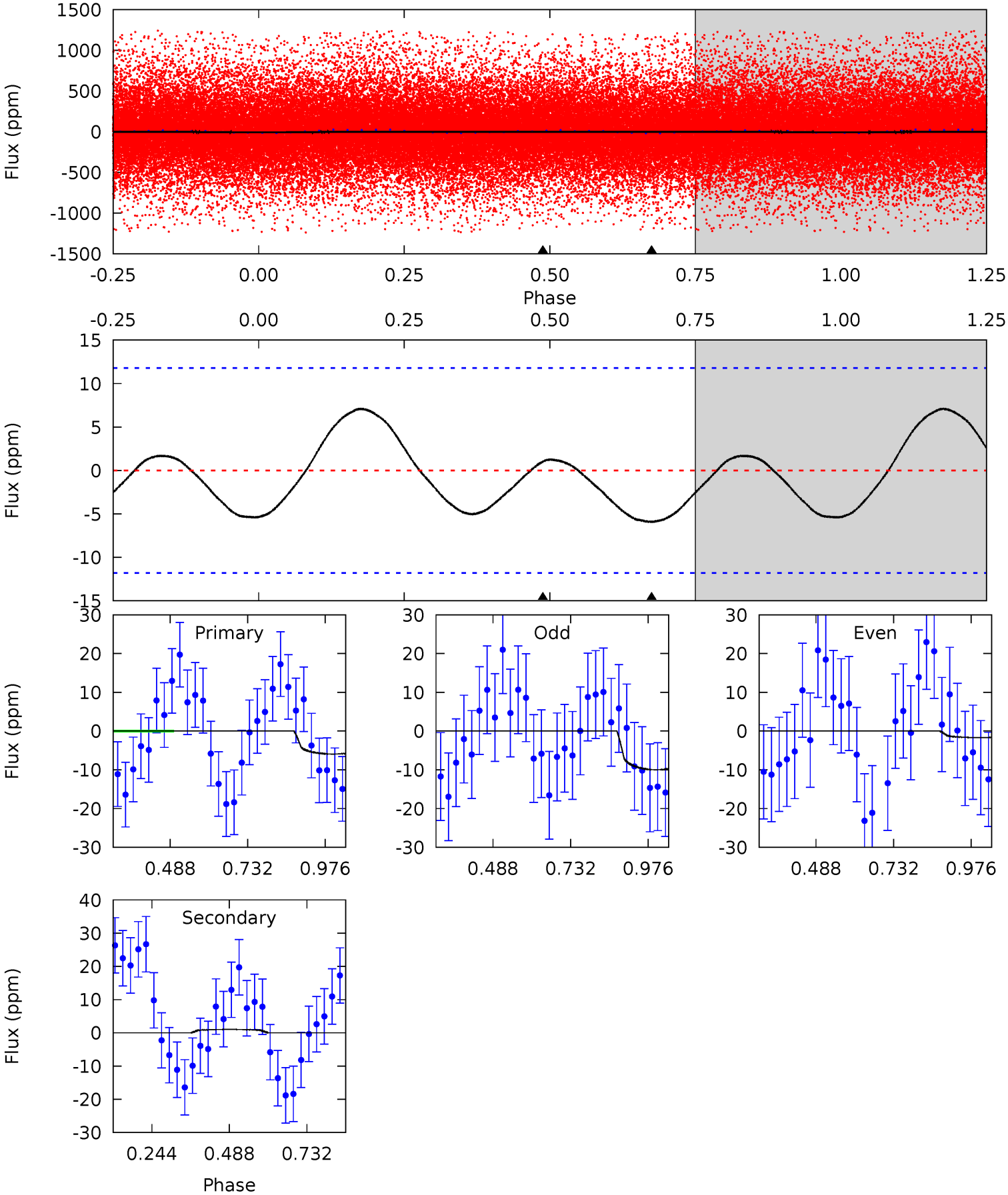
TCE 006462185-01 P= 0.900767 Days T_0=131.860588 (BKJD)



DV Model-Shift Uniqueness Test

006462185-01, P = 0.900689 Days, E = 131.015068 Days

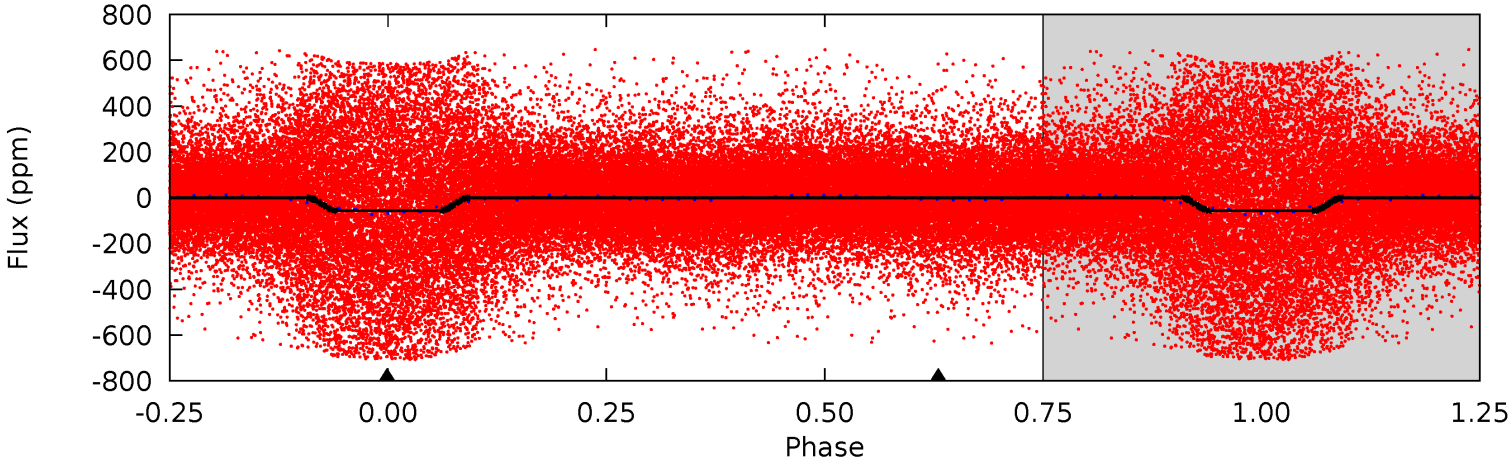
Pri	Sec	Ter	Pos	FA_1	FA_2	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
2.20	-0.38	0	0	4.37	1.17	1.76	2.20	2.20	-0.38	-0.38	1.56	0.38	0.54	0.42

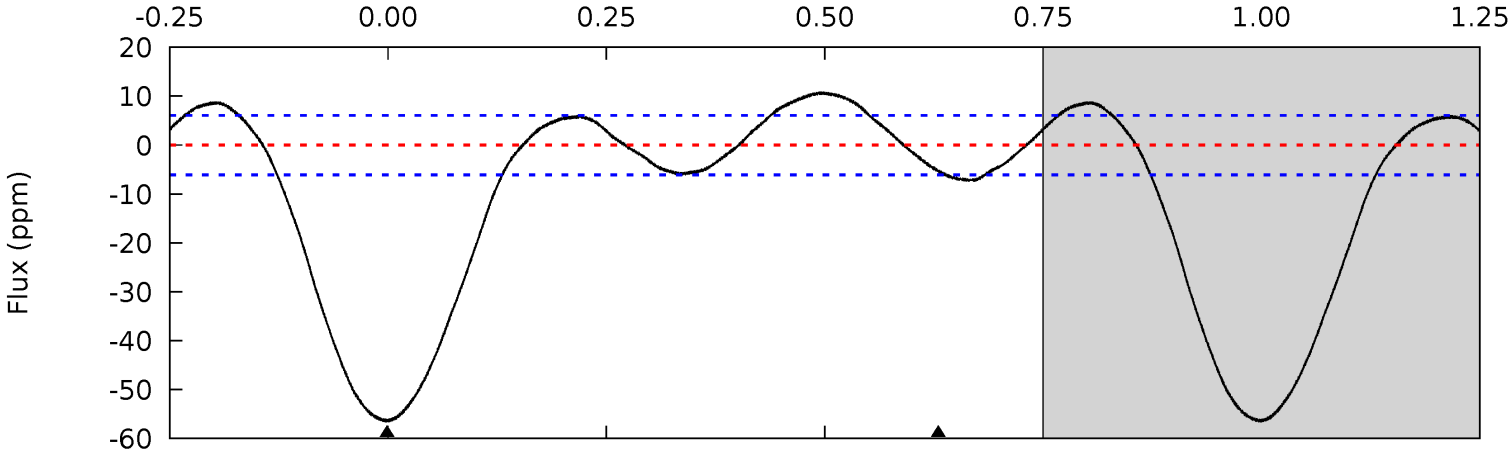


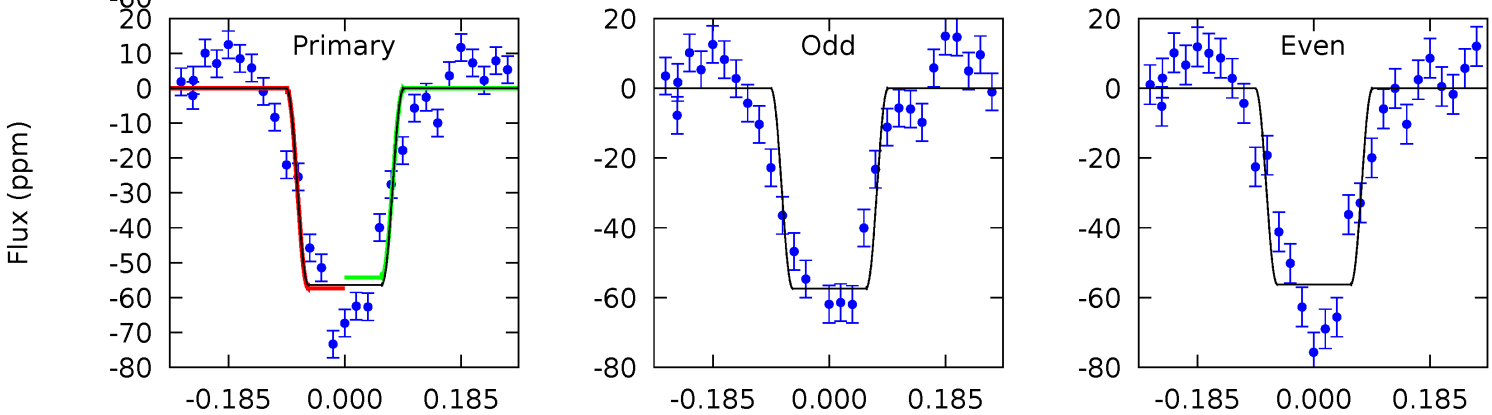
Alt Model-Shift Uniqueness Test

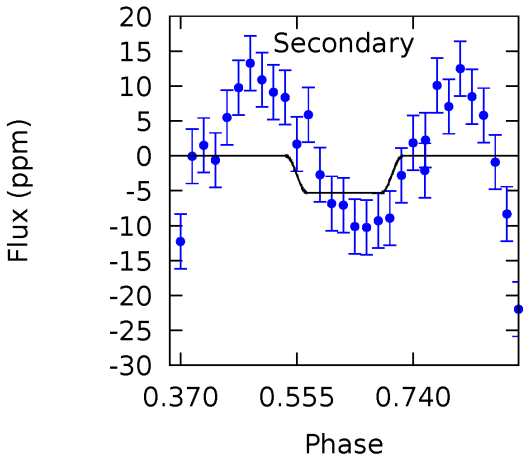
006462185-01, P = 0.900767 Days, E = 130.959821 Days

Pri	Sec	Ter	Pos	FA_1	FA_2	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
41.1	3.87	0	0	4.43	1.33	3.09	41.1	41.1	3.87	3.87	0.43	0.90	0.16	1.13









Stellar Parameters For KIC 006462185

	$T_{\rm eff}(K)$	$\log(g)$	[Fe/H]	R ($R_\odot$)	M($M_\odot$)	$p_\star$ (g·cm^{-3})
	6474^{+163}_{-163}	$3.162^{+0.512}_{-0.128}$	$0.070^{+0.250}_{-0.300}$	$6.809^{+1.550}_{-3.358}$	$2.454^{+0.292}_{-0.681}$	$0.011^{+0.059}_{-0.004}$
	+3%/-3%	+16%/-4%	+357%/-429%	+23%/-49%	+12%/-28%	+538%/-40%
Source	PHO1	FLK73	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 006462185-01 / KOI

Detrend	Depth (ppm)	R_p ($R_\oplus$)	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	1±3	$2.44^{+1.25}_{-1.14}$	6470^{+486}_{-868}	-5516^{+889}_{-764}	$-0.046^{+0.138}_{-0.249}$
Alt.	-5±1	$4.87^{+1.71}_{-1.51}$	6469^{+484}_{-887}	-4972^{+844}_{-483}	$0.071^{+0.081}_{-0.034}$

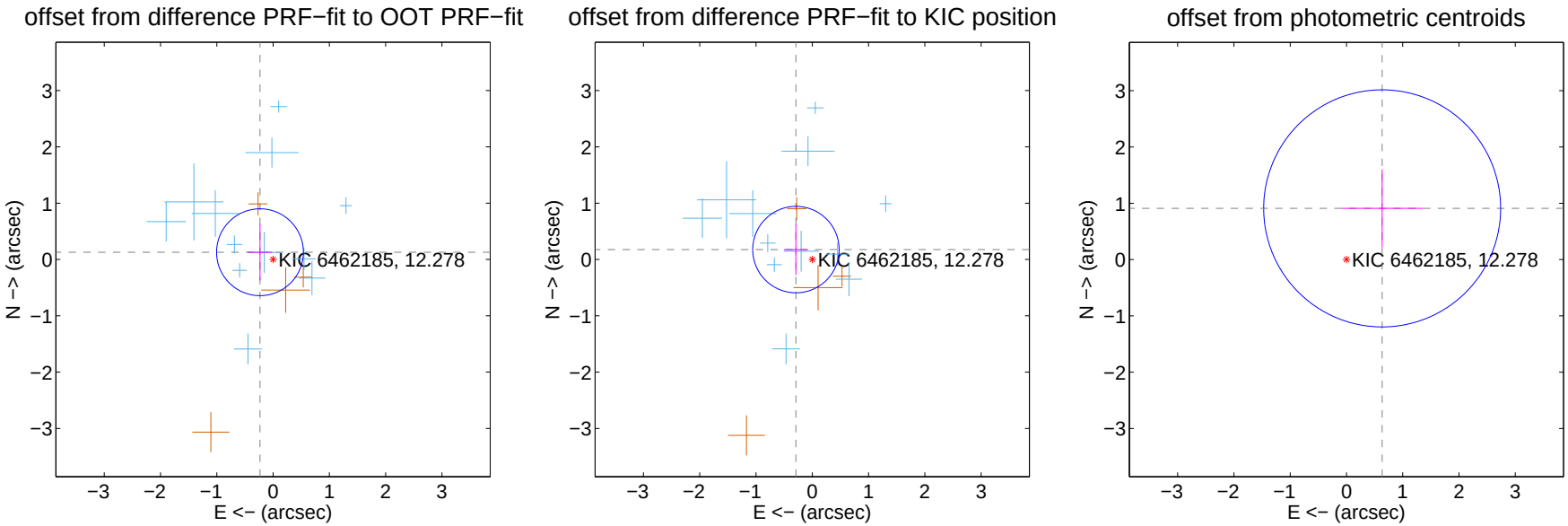
T_{max} = Theoretical Maximum Planetary Temperature
T_{obs} = Observed Planetary Temperature (Assuming A=0.3)
A_{obs} = Observed Albedo (Assuming T=0)

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

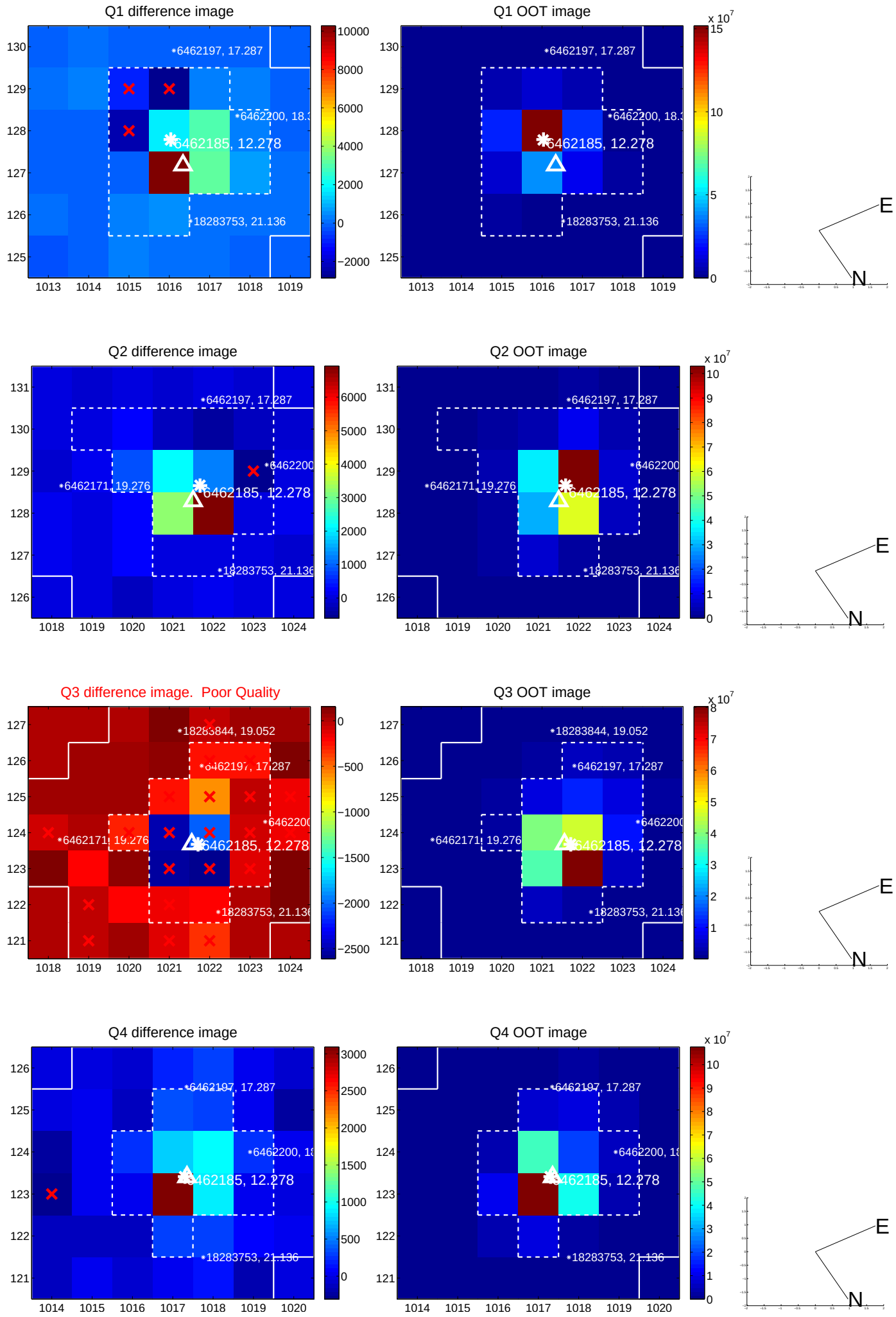
Supplemental centroid analysis for 006462185-01. Kepler magnitude: 12.28. Transit SNR 4.10
There are 12 quarters with good PRF difference image offsets
The direct PRF centroid is offset from the target star catalog position by about 0.06 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.266 ± 0.257	1.04	0.233 ± 0.219	0.129 ± 0.498
PRF-fit source offset from KIC position	0.340 ± 0.256	1.33	0.290 ± 0.211	0.176 ± 0.451
photometric centroid source offset	1.11 ± 0.70	1.58	-0.63 ± 0.72	0.91 ± 0.69

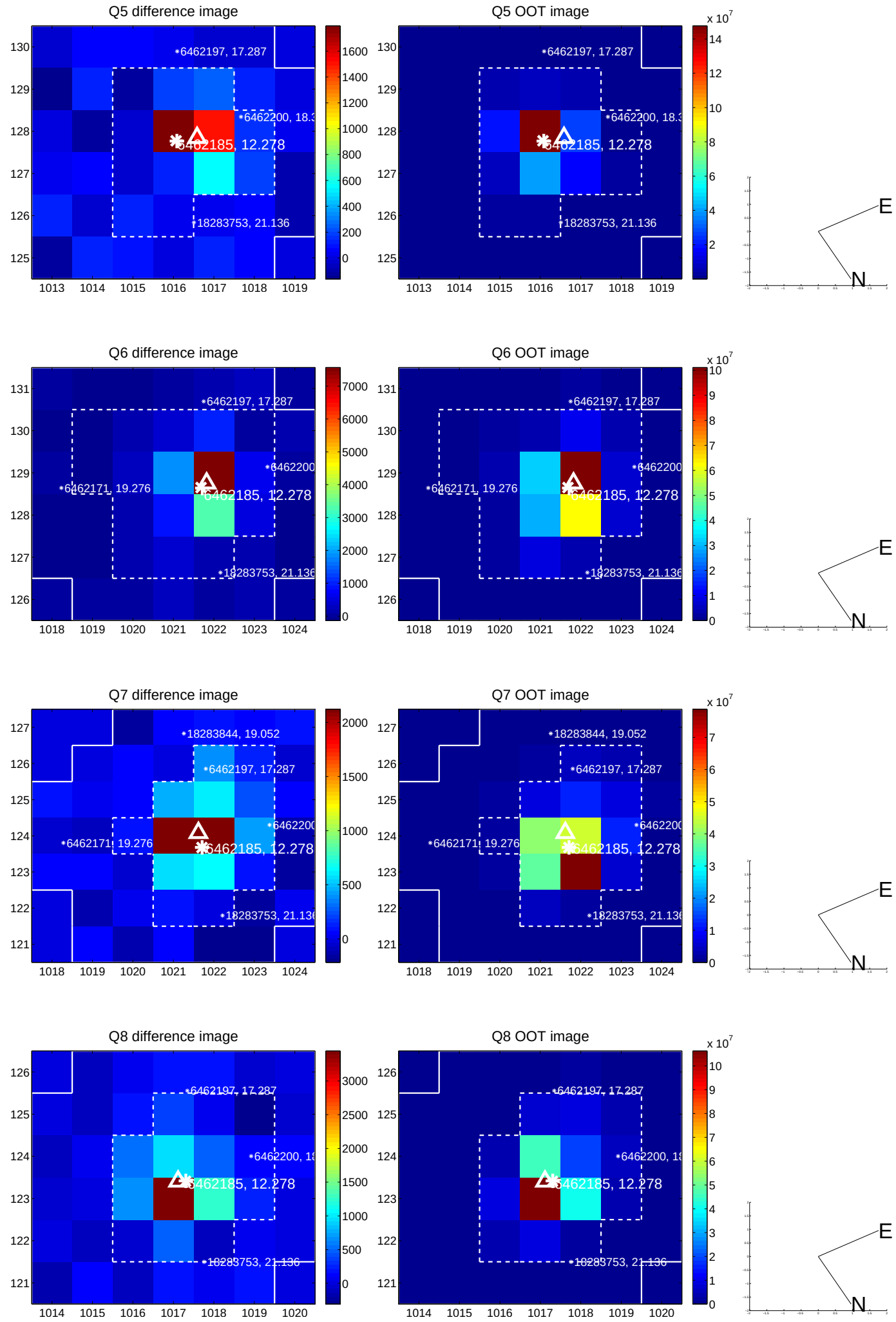


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one-σ uncertainty. Blue circle: three-σ. Red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

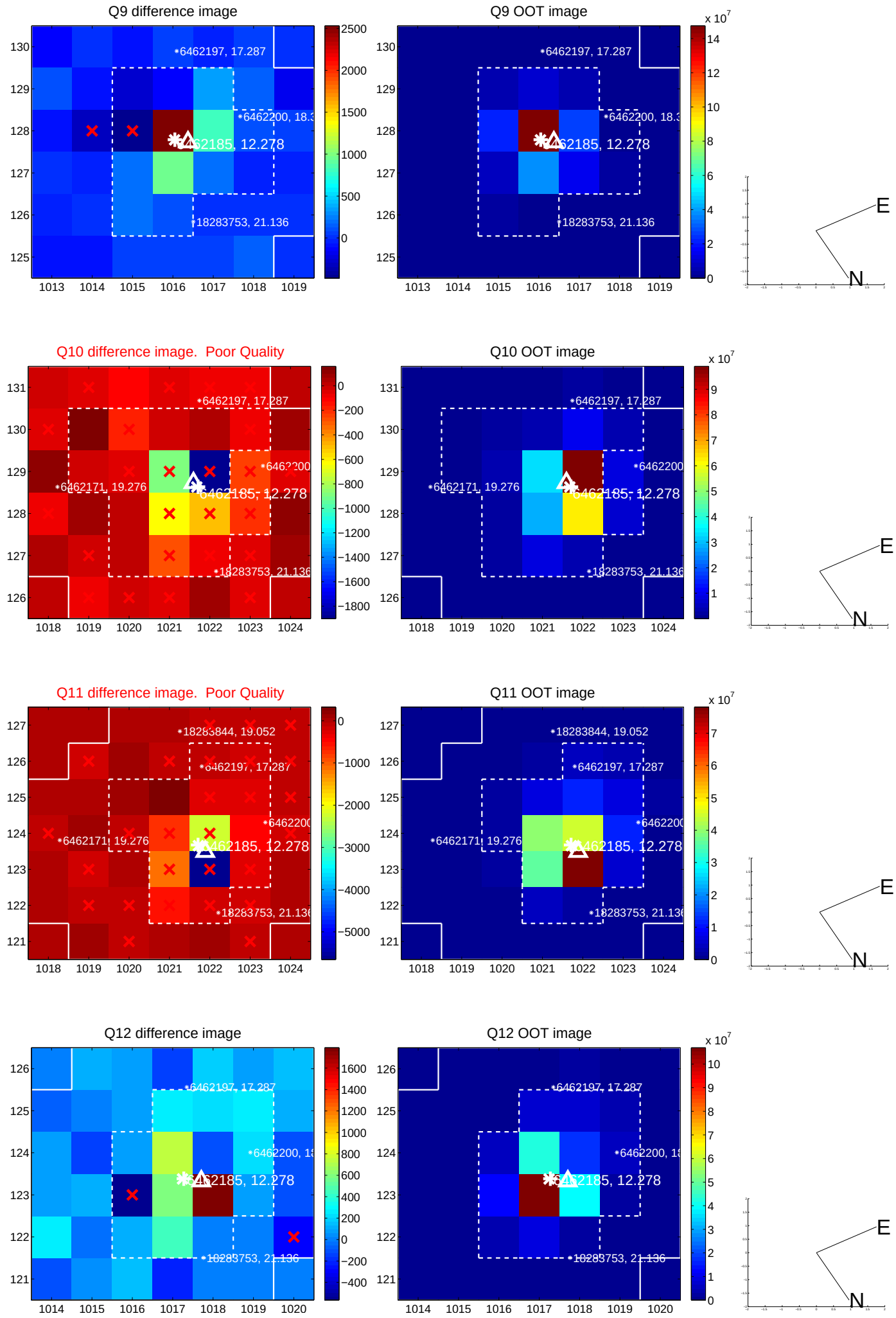
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.



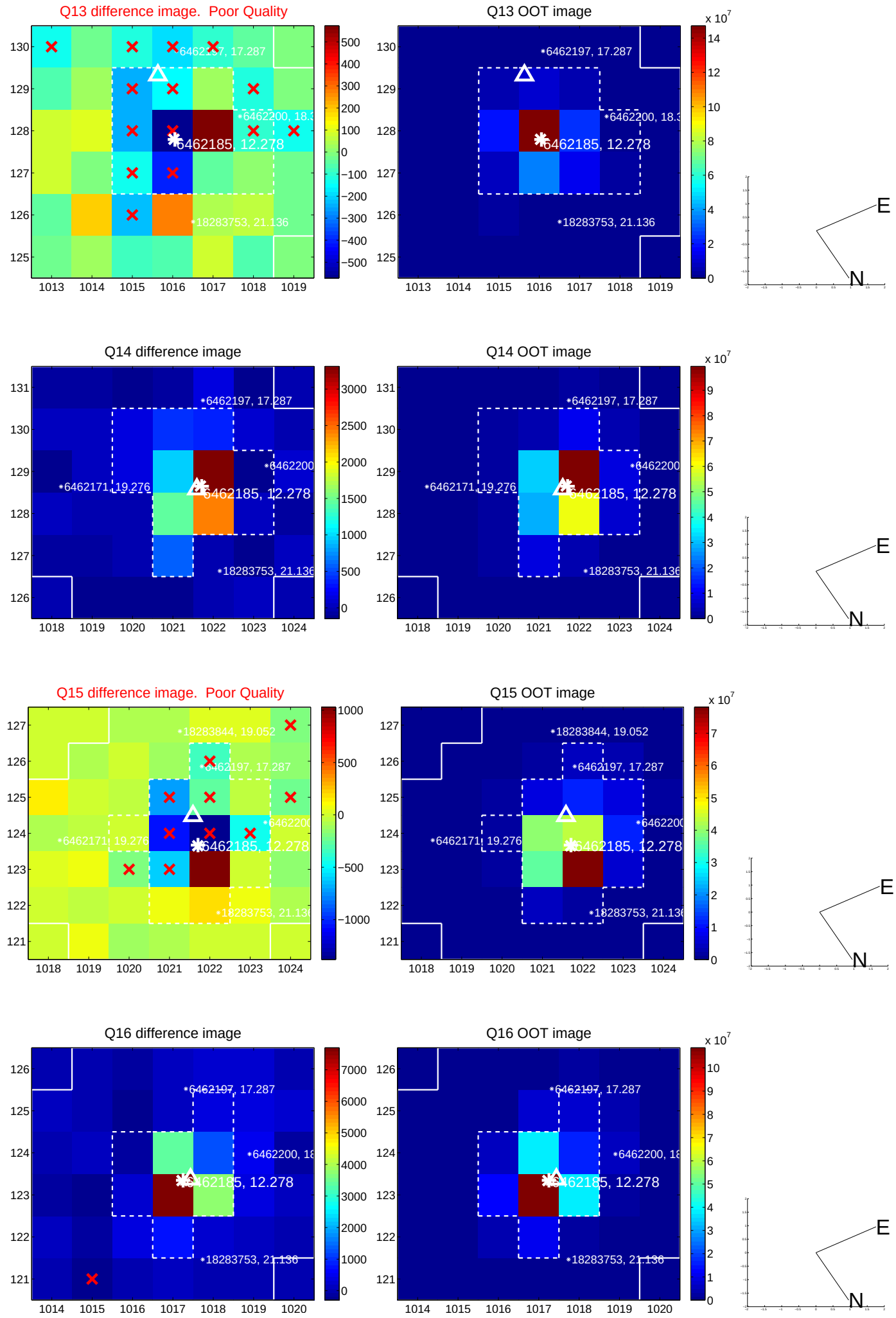
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.



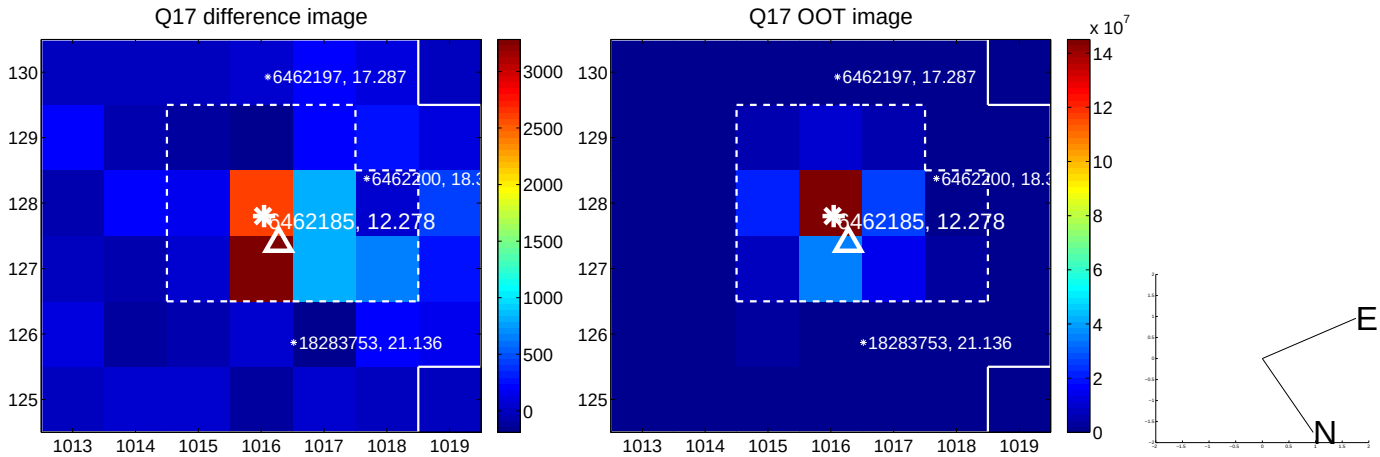
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

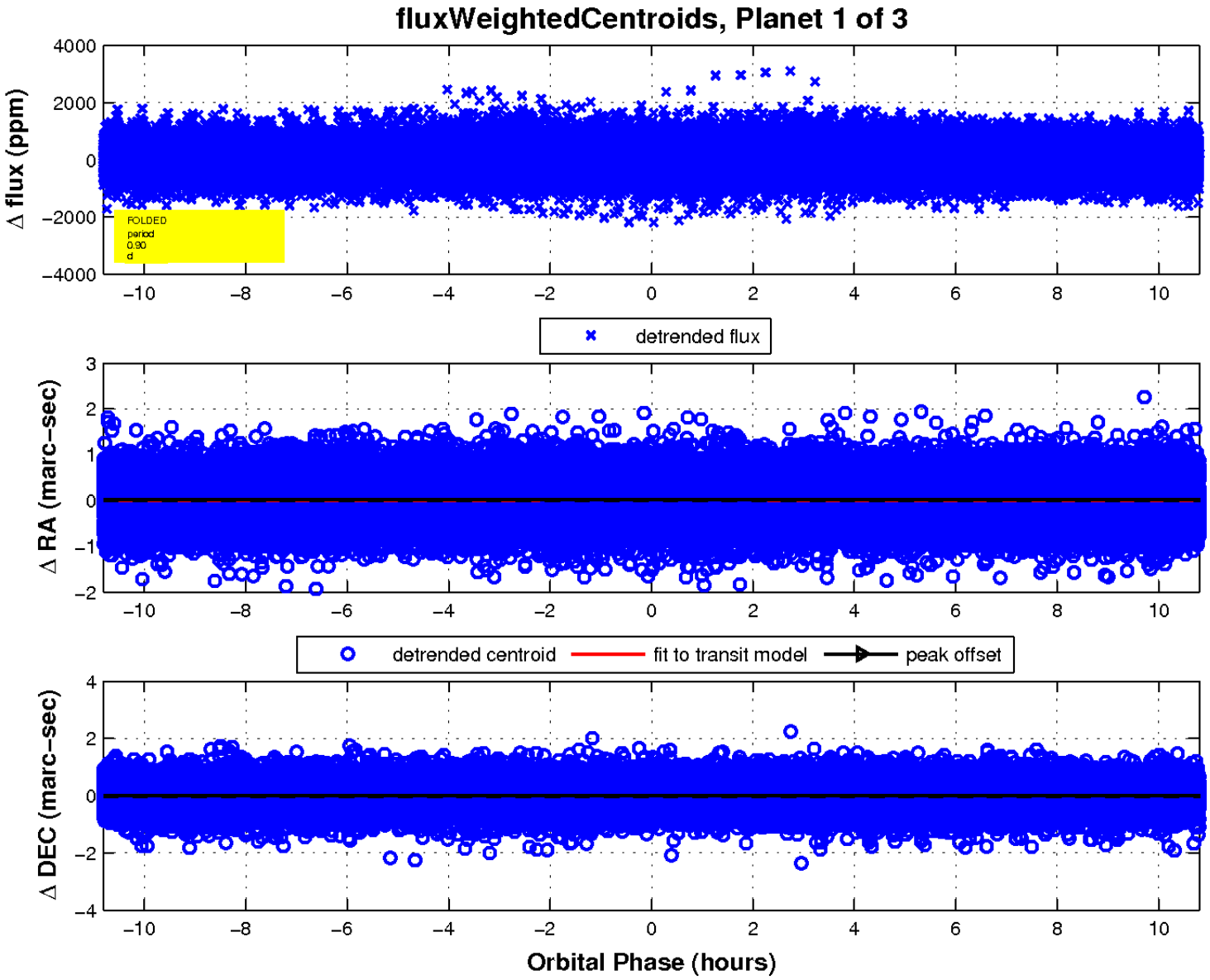


white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

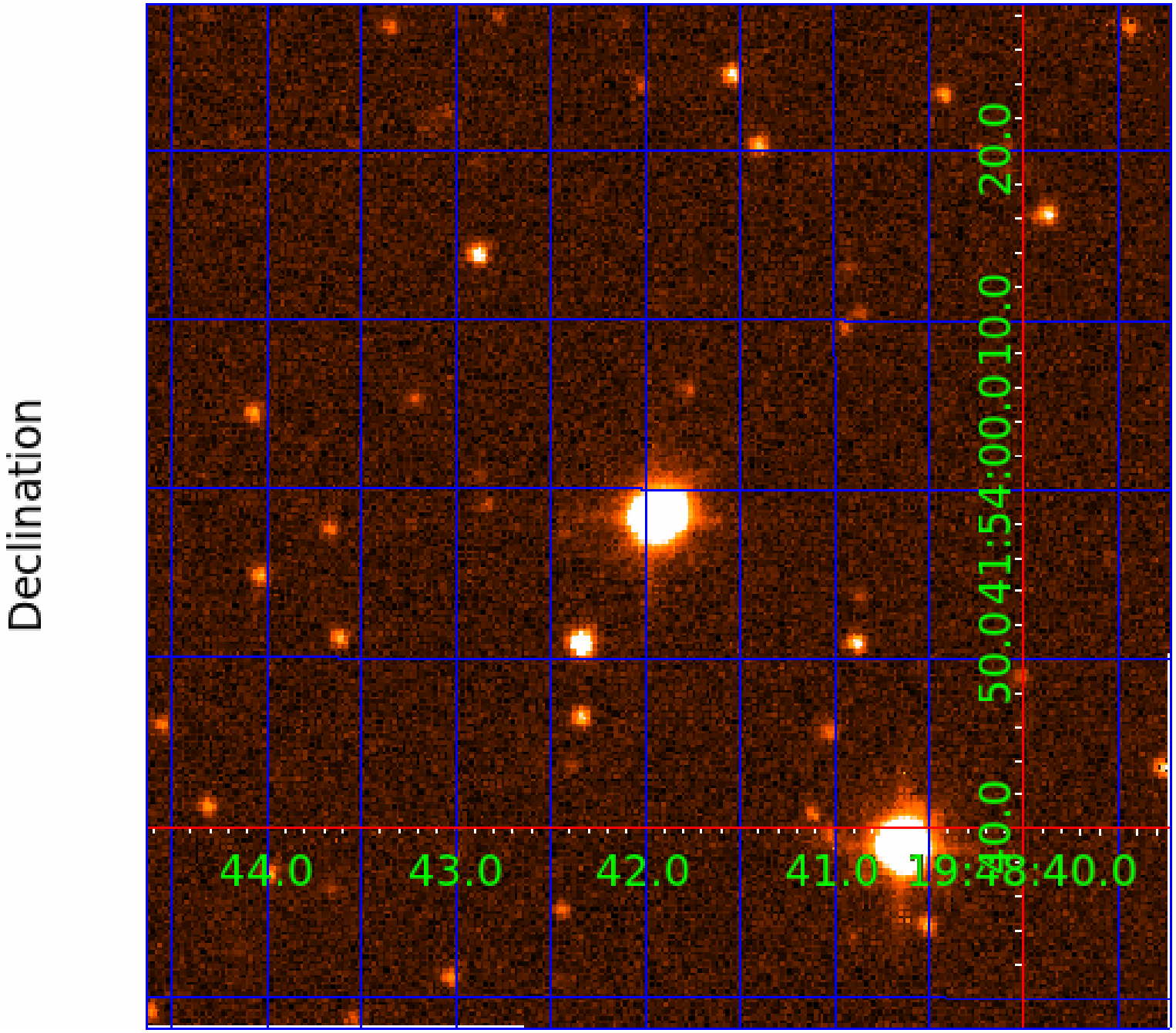


white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.





UKIRT Image



KIC 006462185

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 ($S_\oplus$)
006462185-01	OBS	No	0.900689	131.915757	14.6	4.836	7.9	4.1	6.81	6474	2.66	0.00
006462185-02	OBS	No	100.930659	174.504608	697.2	11.738	7.9	7.7	6.81	6474	23.68	222.64
006462185-03	OBS	No	158.471318	175.512301	1304.8	13.459	8.1	8.1	6.81	6474	46.10	122.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006462185-01	OBS	FP	0.00	1	0	1	0	LPP_DV—MOD_NONUNIQ_DV—HALO_GHOST
006462185-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_ALT
006462185-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_FEW_DIFFS

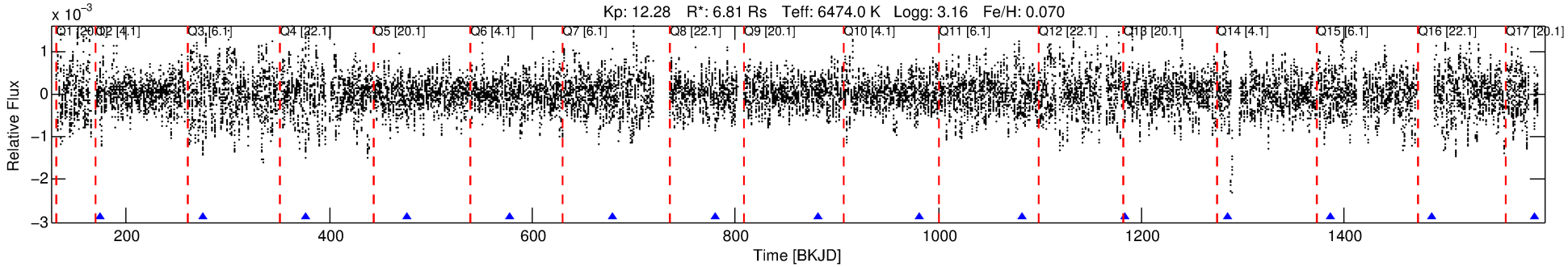
Notes: OBS = Observed. INJ = Injected. INV = Inverted. SCR = Scrambled.
N = Not Transit-Like. S = Stellar Eclipse. C = Centroid Offset. E = Ephemeris Match.
See `http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col` for comment definitions.

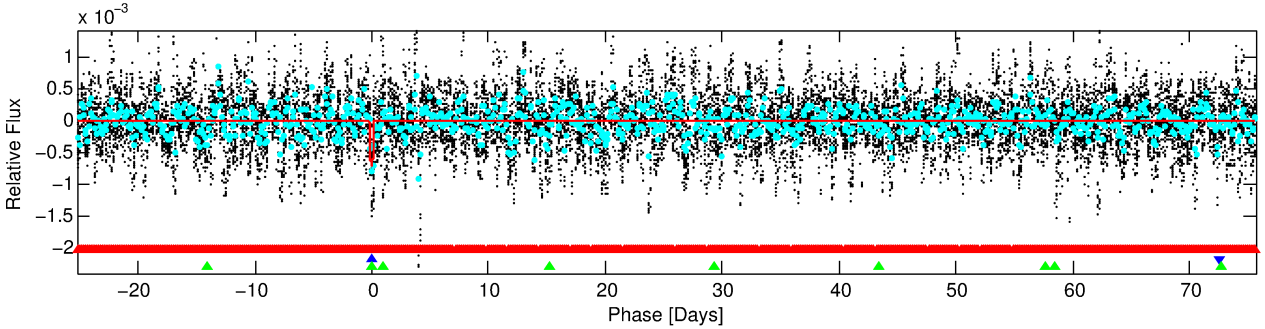
Ephemeris Match Information For 006462185-02

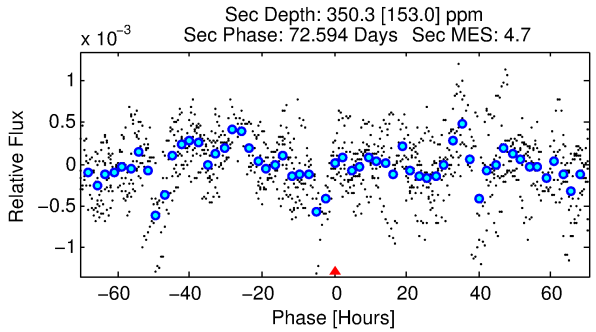
No Significant Match Found

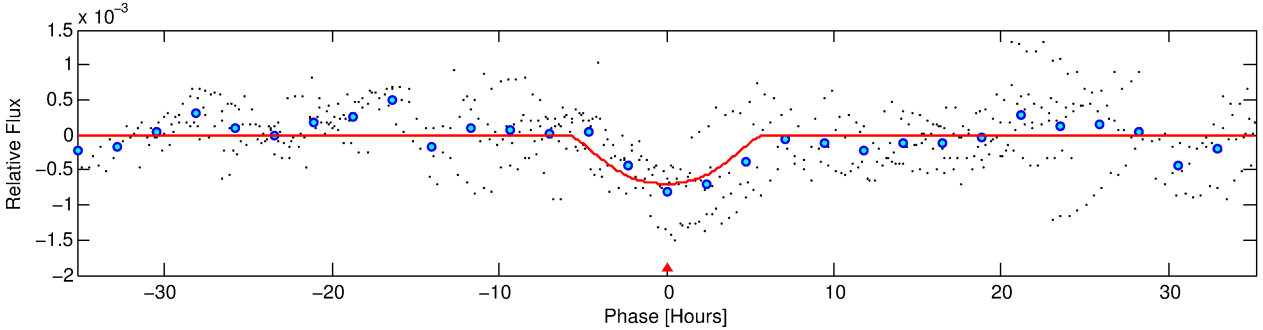
DV One-Page Summary

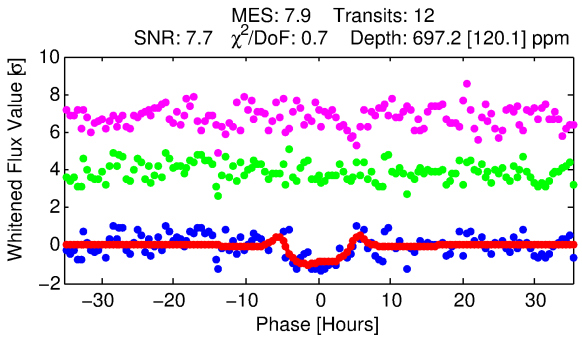
KIC: 6462185 Candidate: 2 of 3 Period: 100.931 d

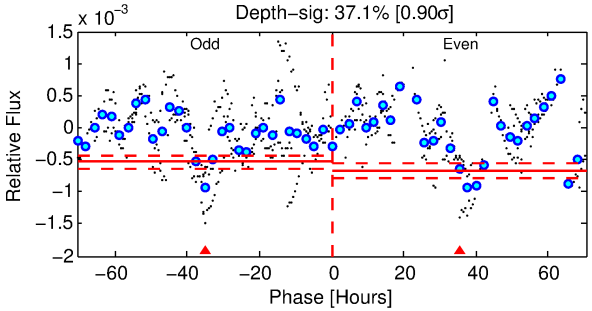


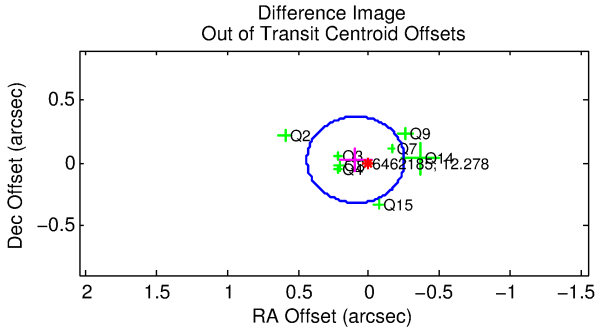












DV Fit Results:

Period = 100.93066 [0.00371] d
Epoch = 174.5046 [0.0209] BKJD
Rp/R* = 0.0319 [0.0045]
a/R* = 22.83 [2.42]
b = 0.97 [0.01]

Seff = 222.64 [191.00]
Teq = 985 [211] K
Rp = 23.67 [12.14] Re
a = 0.5725 [0.2933] AU

Ag = 112.70 [112.42] [0.99σ]
Teffp = 4962 [656] K [5.77σ]

DV Diagnostic Results:

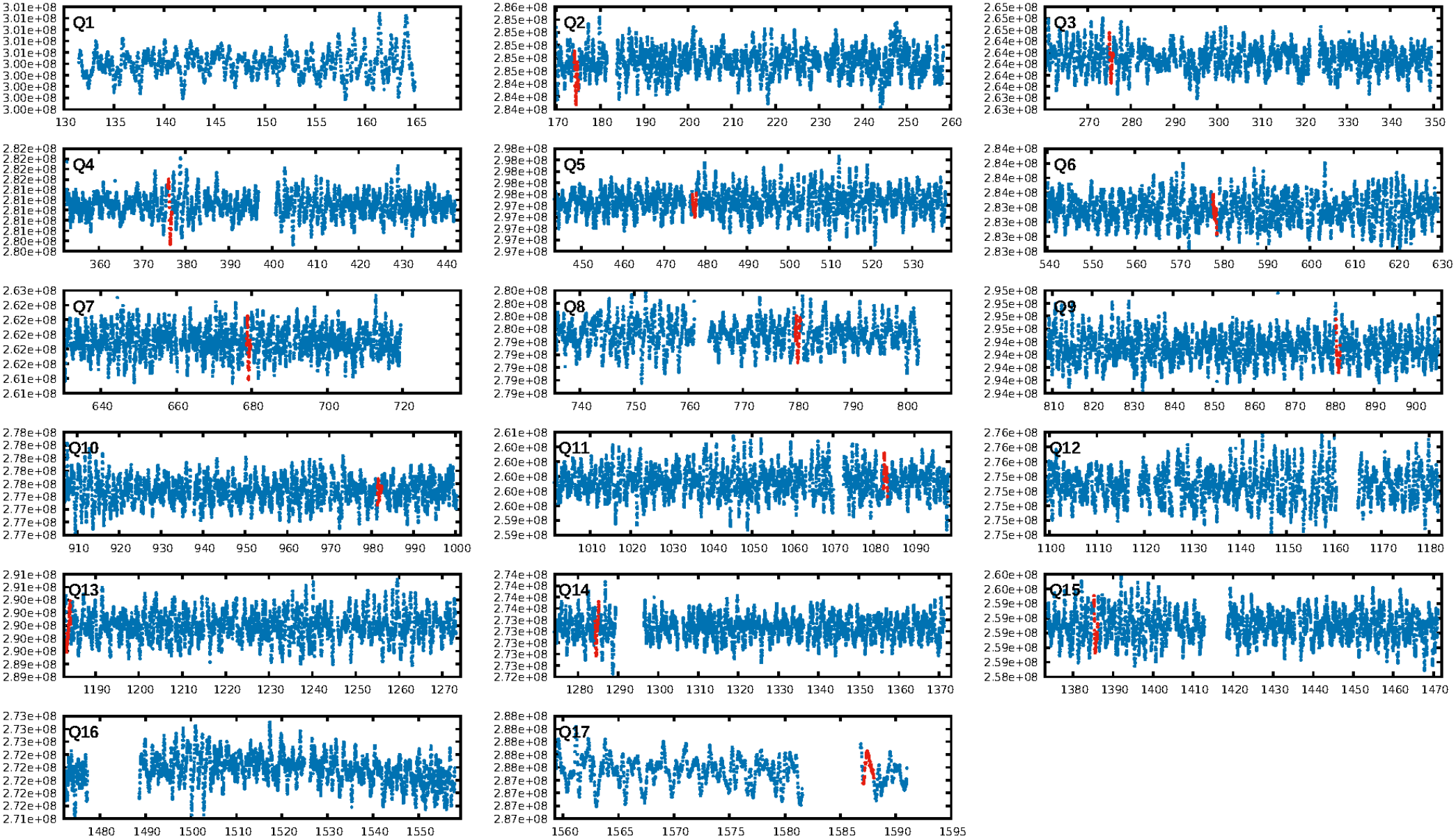
ShortPeriod−sig: 100.0% [189.11σ]
LongPeriod−sig: 100.0% [77.33σ]
ModelChiSquare2−sig: 65.5%
ModelChiSquareGof−sig: 100.0%
Bootstrap−pfa: 2.42e−09
RollingBand−fgt: 1.00 [11/11]
GhostDiagnostic−chr: 0.8162

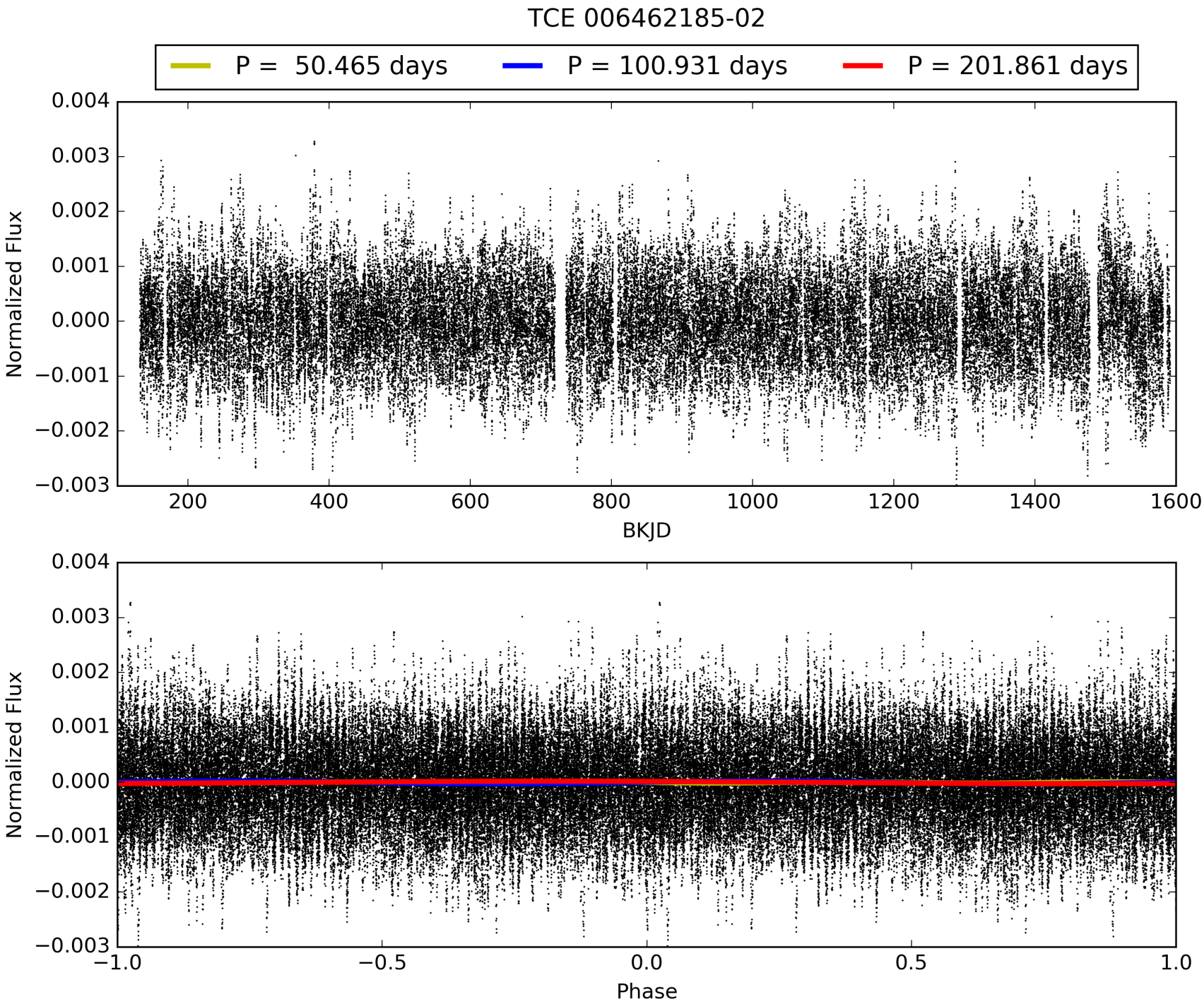
Centroid−sig: 35.9%
Centroid−so: 0.300 arcsec [1.92σ]
OotOffset−rm: 0.096 arcsec [0.83σ]
KicOffset−rm: 0.126 arcsec [1.11σ]
OotOffset−st: 2/3/2/1 [8]
KicOffset−st: 2/3/2/1 [8]
DiffImageQuality−fgm: 1.00 [8/8]
DiffImageOverlap−fno: 0.00 [0/10]

Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31−Jan−2016 03:21:13 Z

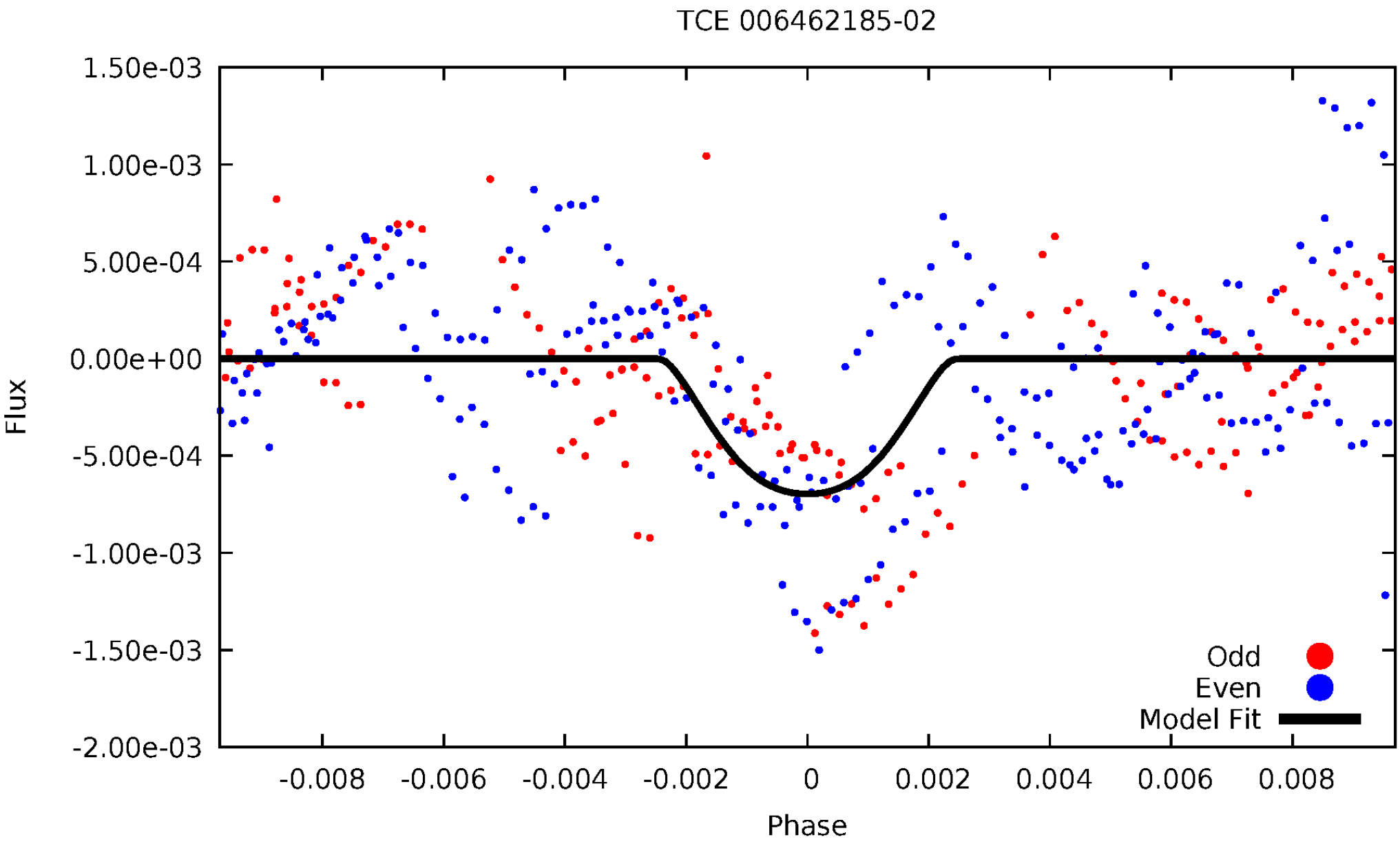
This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 006462185-02, PDC Light Curves

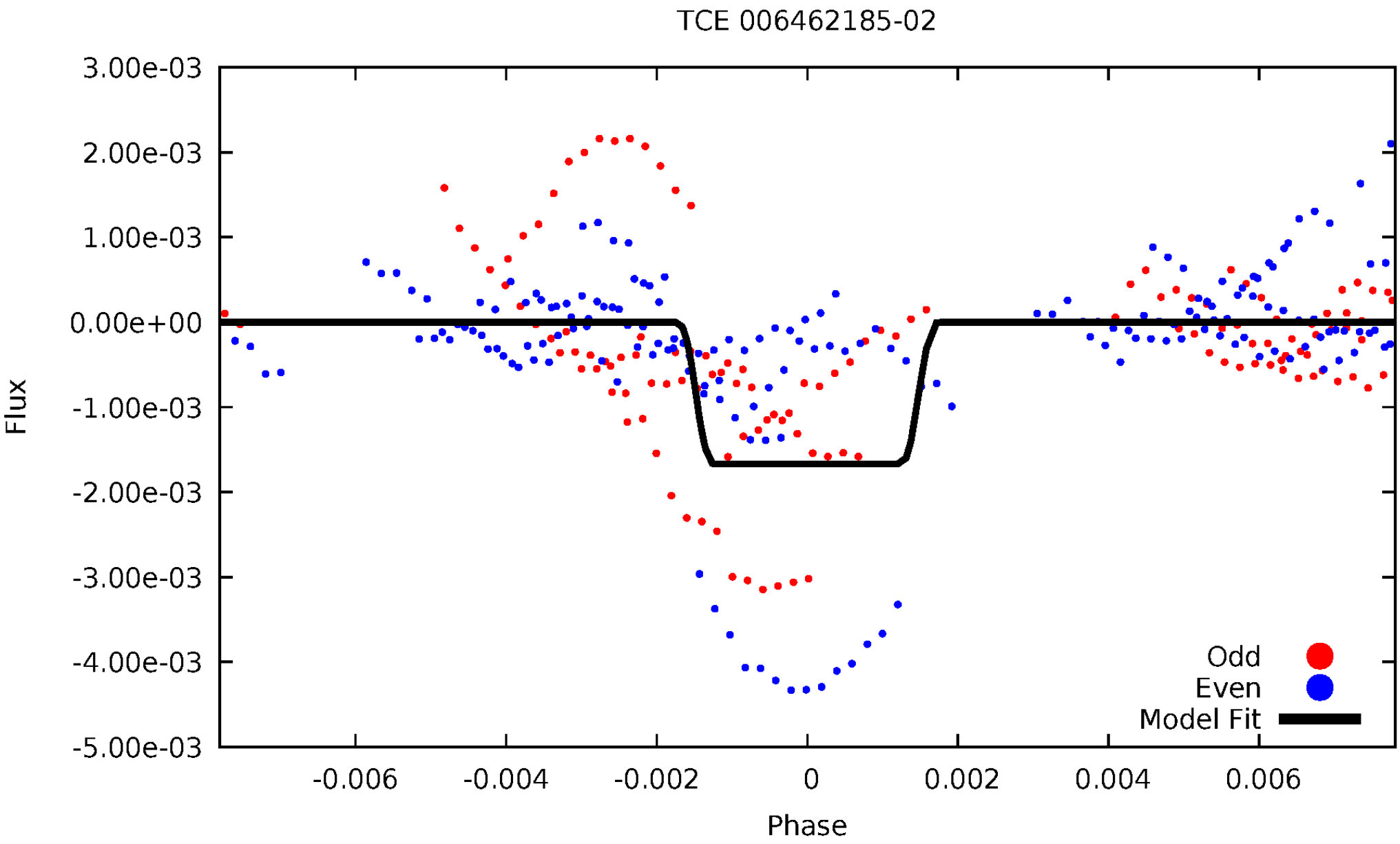



TCE 006462185-02
P = 50.465 days
P = 100.931 days
P = 201.861 days
Normalized Flux
BKJD
Phase

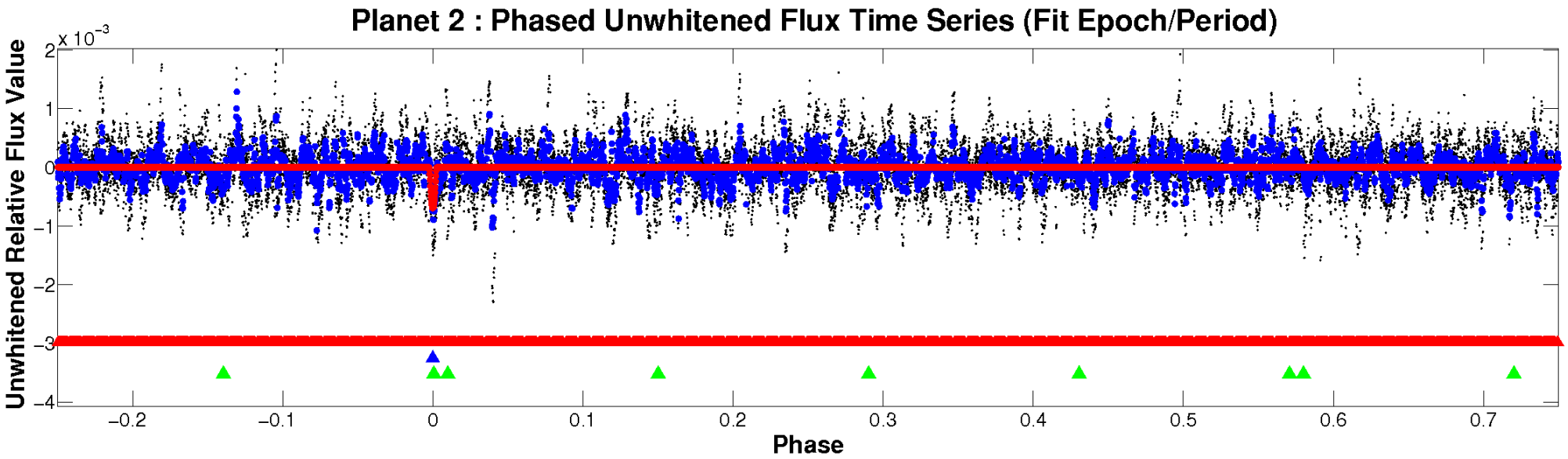
DV Odd/Even

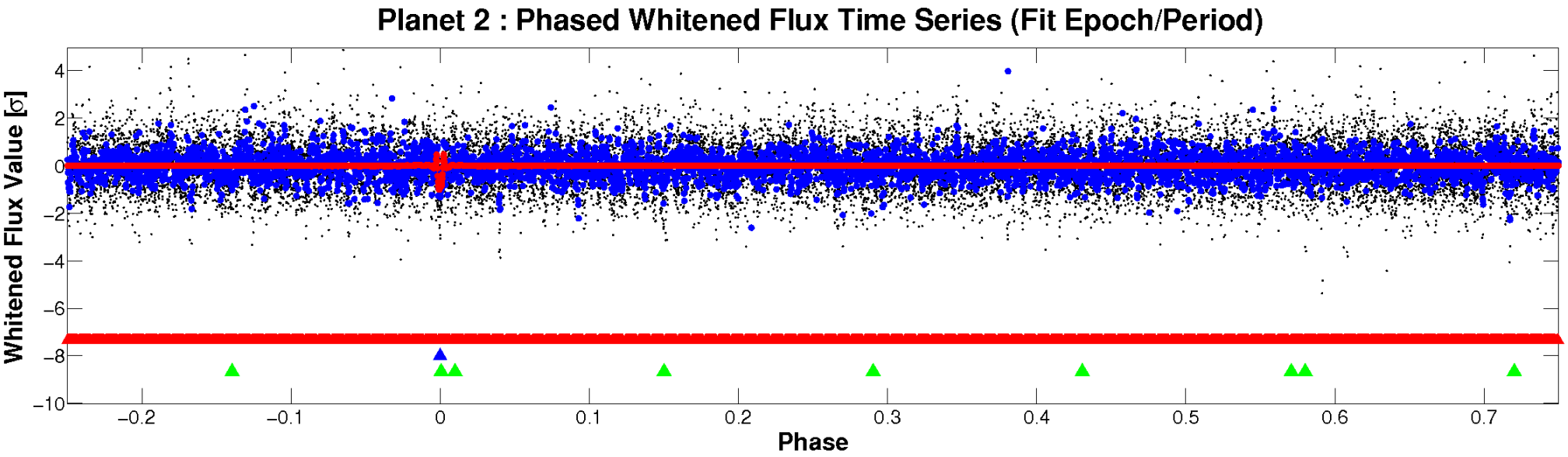

TCE 006462185-02
1.50e-03
1.00e-03
5.00e-04
0.00e+00
-5.00e-04
-1.00e-03
-1.50e-03
-2.00e-03
Flux
-0.008
-0.006
-0.004
-0.002
0
0.002
0.004
0.006
0.008
Phase
Odd
Even
Model Fit

ALT Odd/Even


TCE 006462185-02
3.00e-03
2.00e-03
1.00e-03
0.00e+00
-1.00e-03
-2.00e-03
-3.00e-03
-4.00e-03
-5.00e-03
Flux
-0.006
-0.004
-0.002
0
0.002
0.004
0.006
Phase
Odd
Even
Model Fit

Non-Whitened Vs. Whitened Light Curve



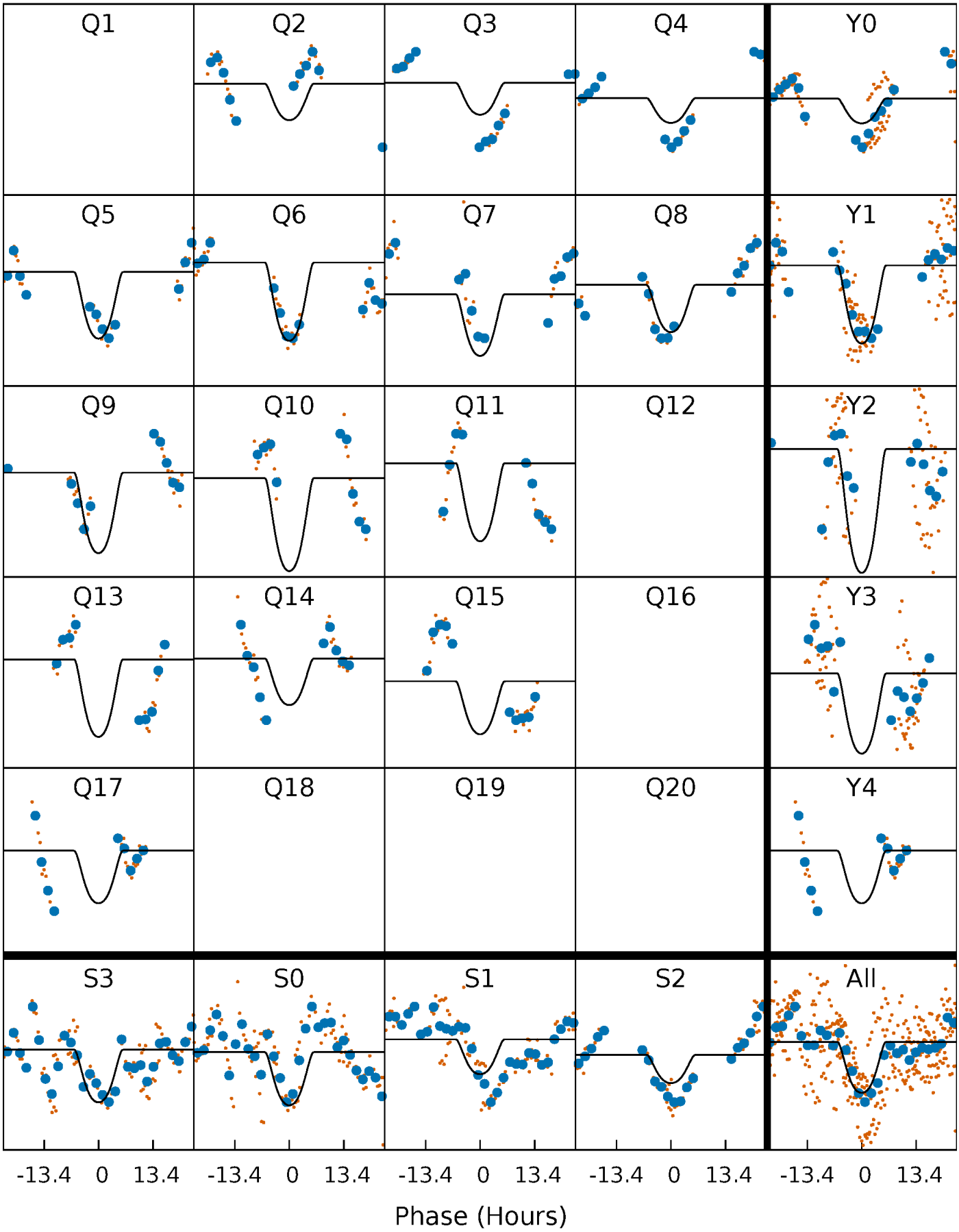


PDC Quarter-Phased Transit Curves

TCE 006462185-02 P=100.930659 Days T_0=174.504608 (BKJD)

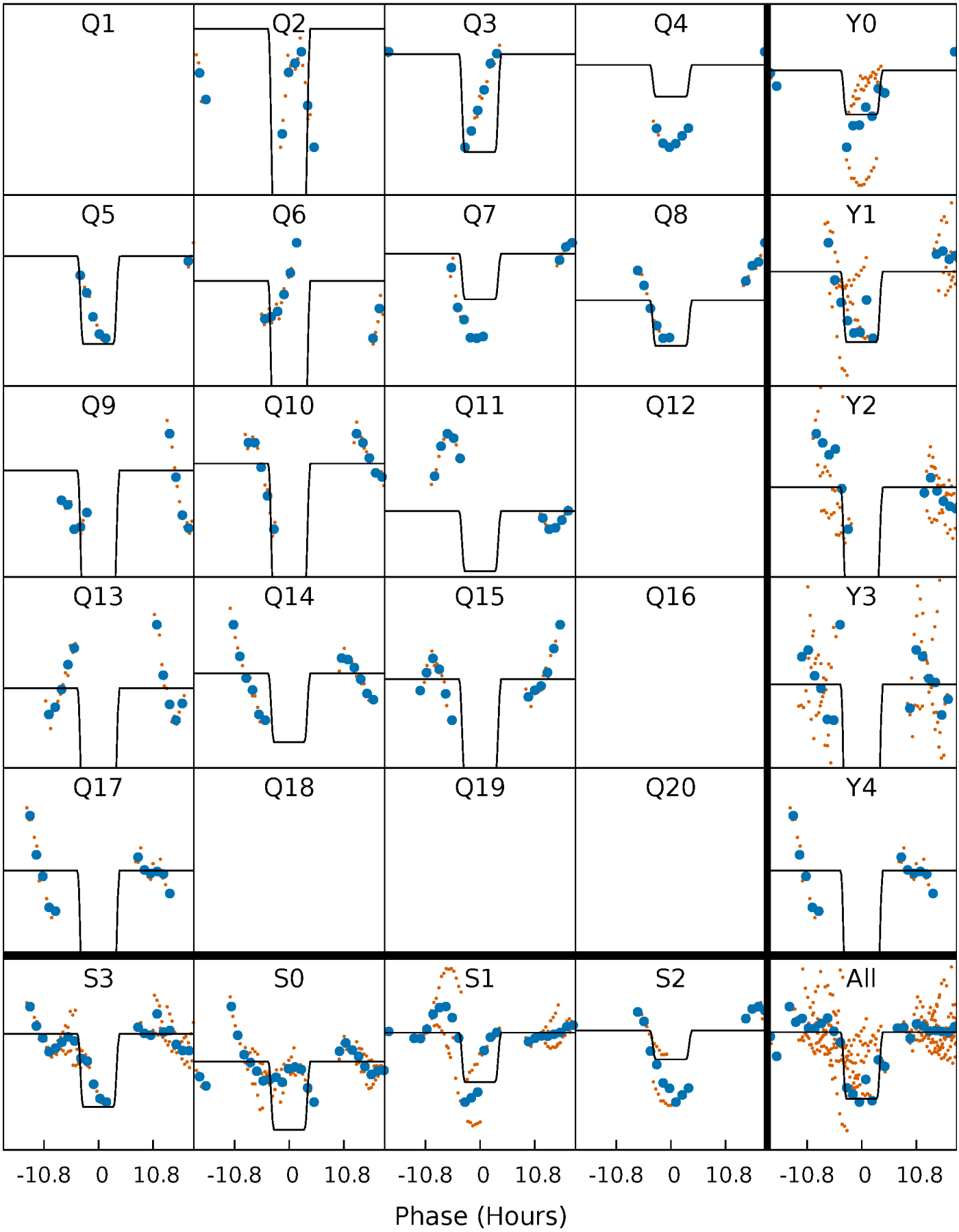
DV Quarter-Phased Transit Curves

TCE 006462185-02 P=100.930659 Days T_0=174.504608 (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

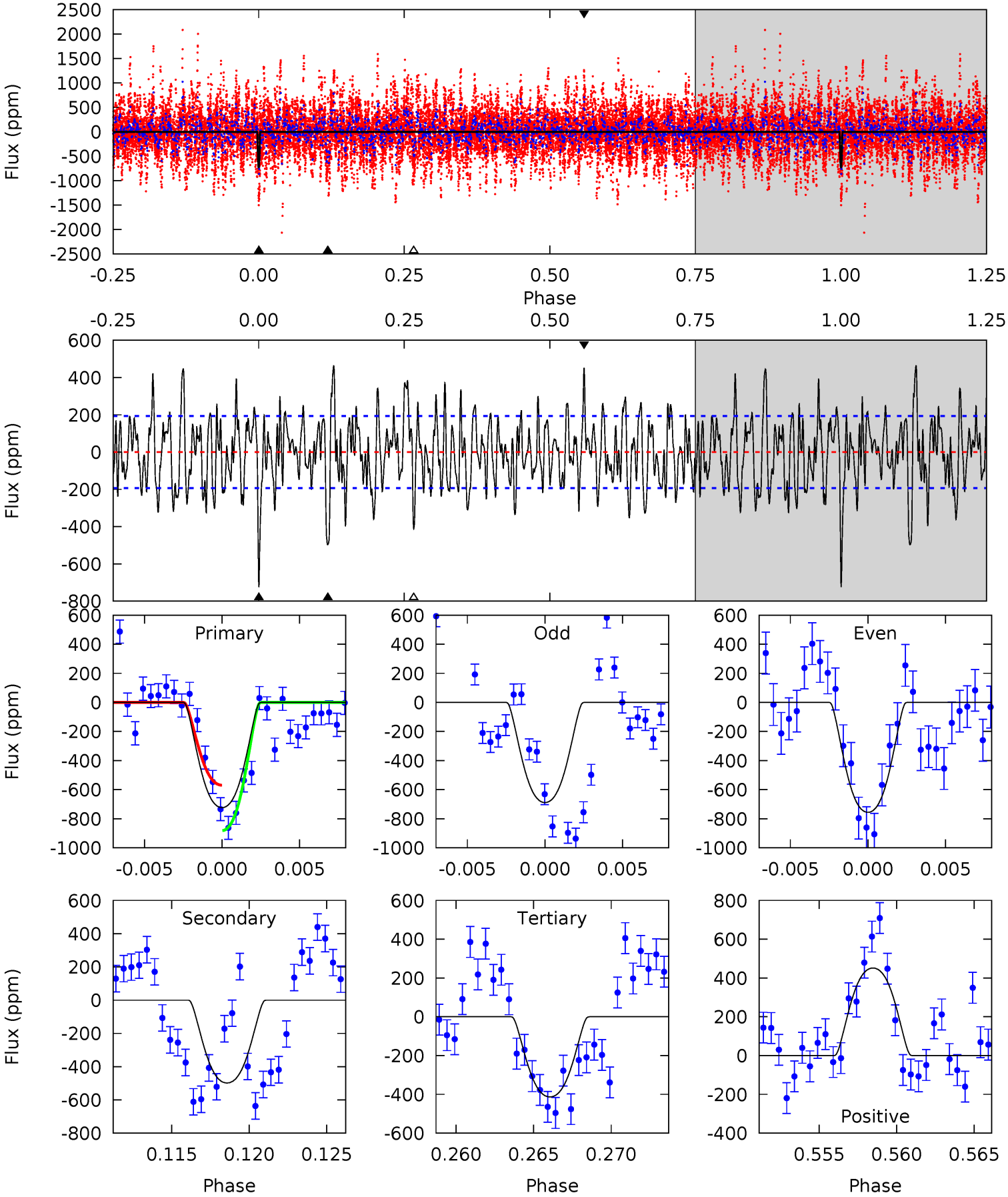
TCE 006462185-02 P=100.914619 Days T_0=174.639564 (BKJD)



DV Model-Shift Uniqueness Test

006462185-02, P = 100.930659 Days, E = 73.573949 Days

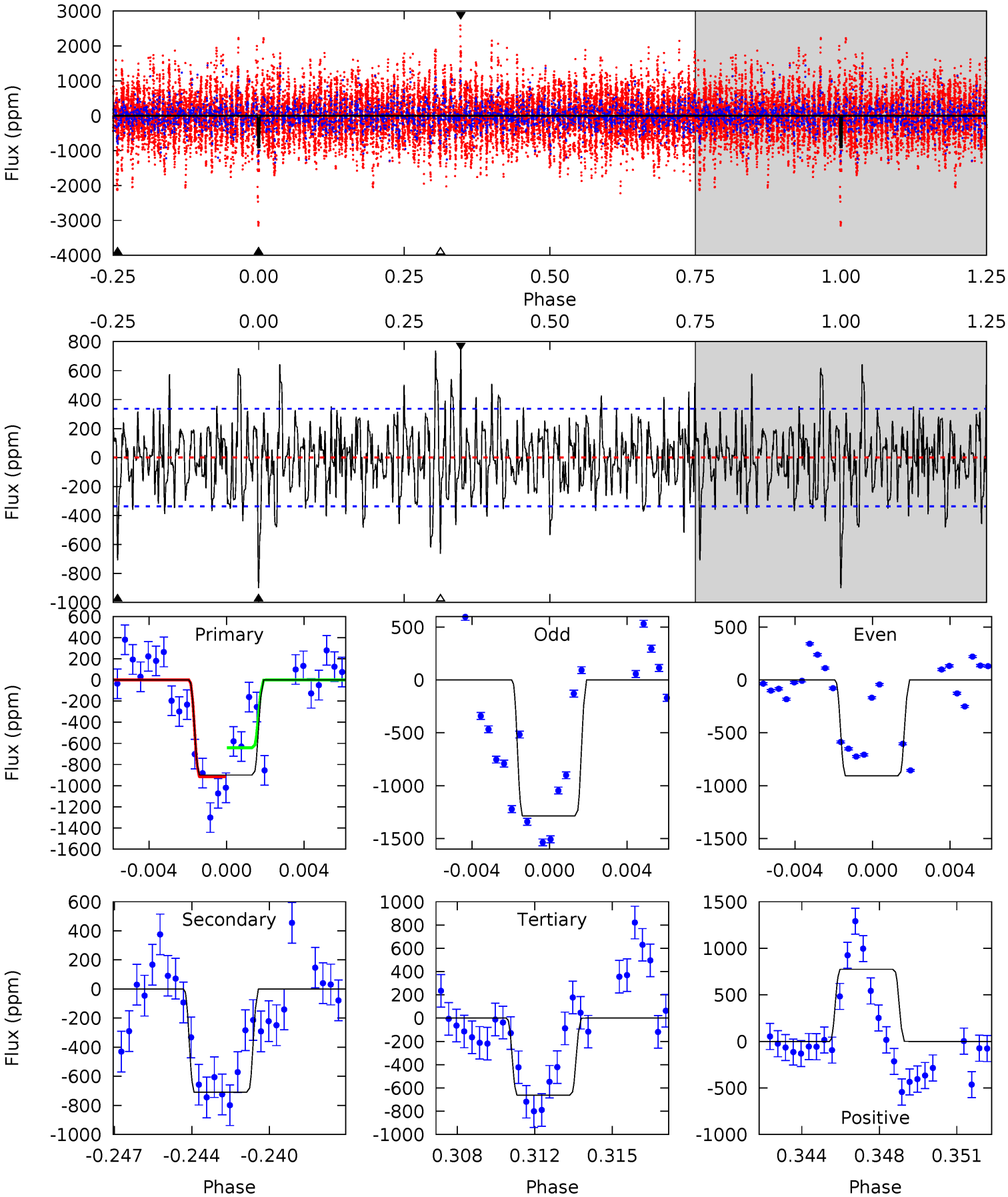
Pri	Sec	Ter	Pos	FA_1	FA_2	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
19.3	13.3	11.0	12.1	5.16	2.81	4.18	8.30	7.28	2.27	1.25	0.89	0.06	0.39	4.15



Alt Model-Shift Uniqueness Test

006462185-02, P = 100.914619 Days, E = 73.724945 Days

Pri	Sec	Ter	Pos	FA_1	FA_2	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
14.0	11.0	10.3	12.0	5.22	2.91	2.98	3.68	1.95	0.73	-1.00	3.05	1.56	0.46	0



Stellar Parameters For KIC 006462185

	$T_{\rm eff}(K)$	$\log(g)$	[Fe/H]	R ($R_\odot$)	M($M_\odot$)	$p_\star$ (g·cm^{-3})
	6474^{+163}_{-163}	$3.162^{+0.512}_{-0.128}$	$0.070^{+0.250}_{-0.300}$	$6.809^{+1.550}_{-3.358}$	$2.454^{+0.292}_{-0.681}$	$0.011^{+0.059}_{-0.004}$
	+3%/-3%	+16%/-4%	+357%/-429%	+23%/-49%	+12%/-28%	+538%/-40%
Source	PHO1	FLK73	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 006462185-02 / KOI

Detrend	Depth (ppm)	R_p ($R_\oplus$)	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-498±37	$21.67^{+5.27}_{-5.69}$	1337^{+109}_{-164}	5457^{+428}_{-338}	188^{+145}_{-65}
Alt.	-710±64	$28.08^{+6.25}_{-7.70}$	1340^{+102}_{-176}	5262^{+344}_{-287}	159^{+140}_{-52}

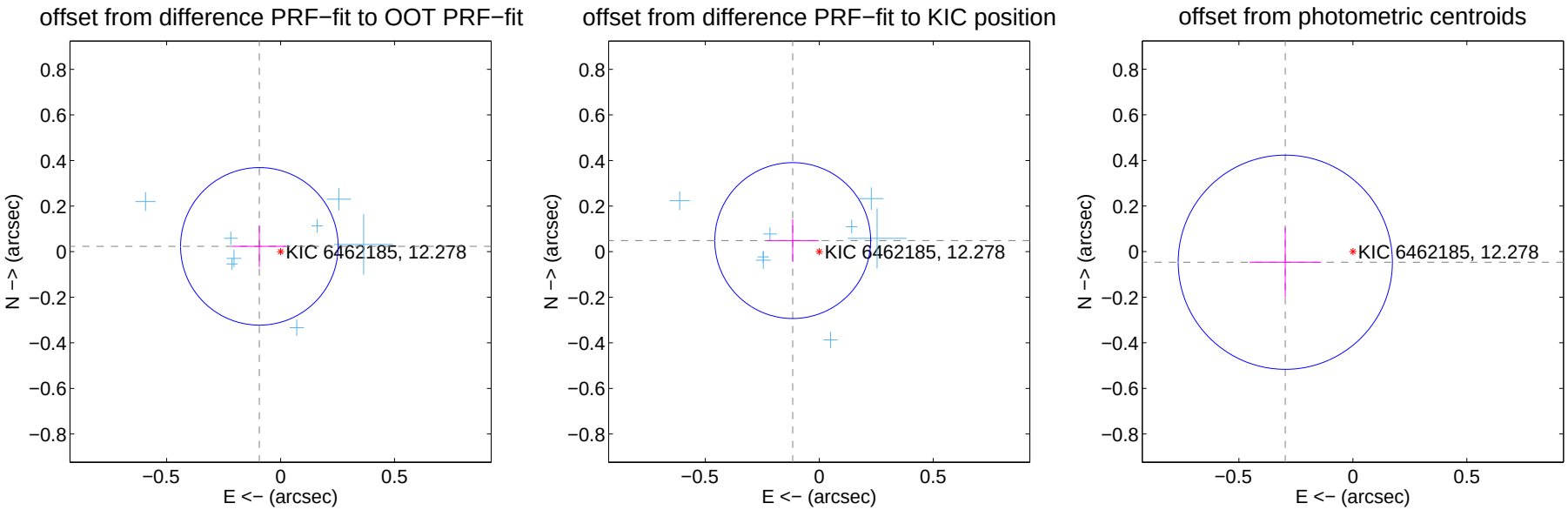
T_{max} = Theoretical Maximum Planetary Temperature
T_{obs} = Observed Planetary Temperature (Assuming A=0.3)
A_{obs} = Observed Albedo (Assuming T=0)

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

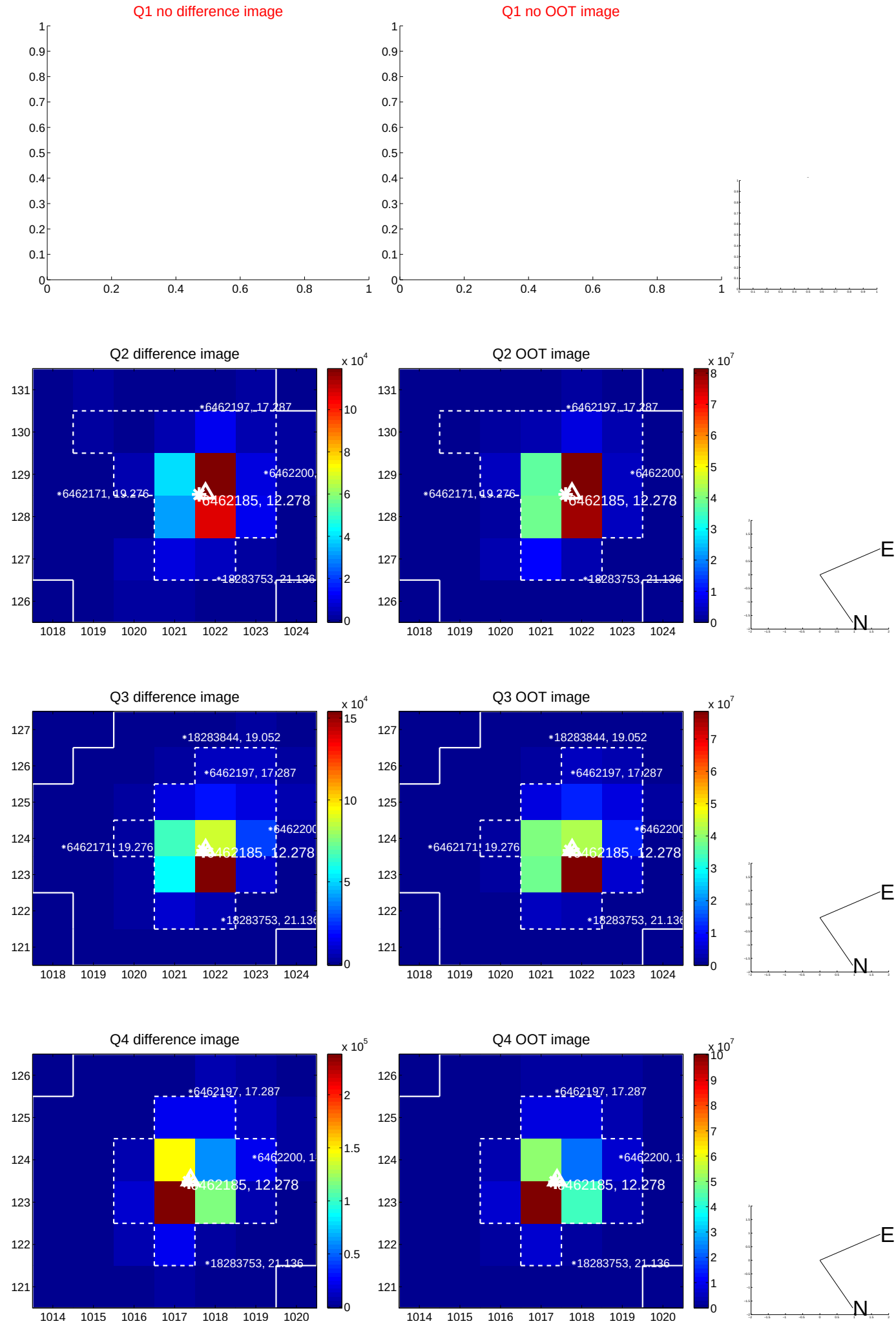
Supplemental centroid analysis for 006462185-02. Kepler magnitude: 12.28. Transit SNR 7.71
There are 8 quarters with good PRF difference image offsets
The direct PRF centroid is offset from the target star catalog position by about 0.06 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.096 ± 0.115	0.83	0.093 ± 0.117	0.023 ± 0.090
PRF-fit source offset from KIC position	0.126 ± 0.114	1.11	0.116 ± 0.114	0.049 ± 0.093
photometric centroid source offset	0.30 ± 0.16	1.92	0.30 ± 0.16	-0.05 ± 0.15

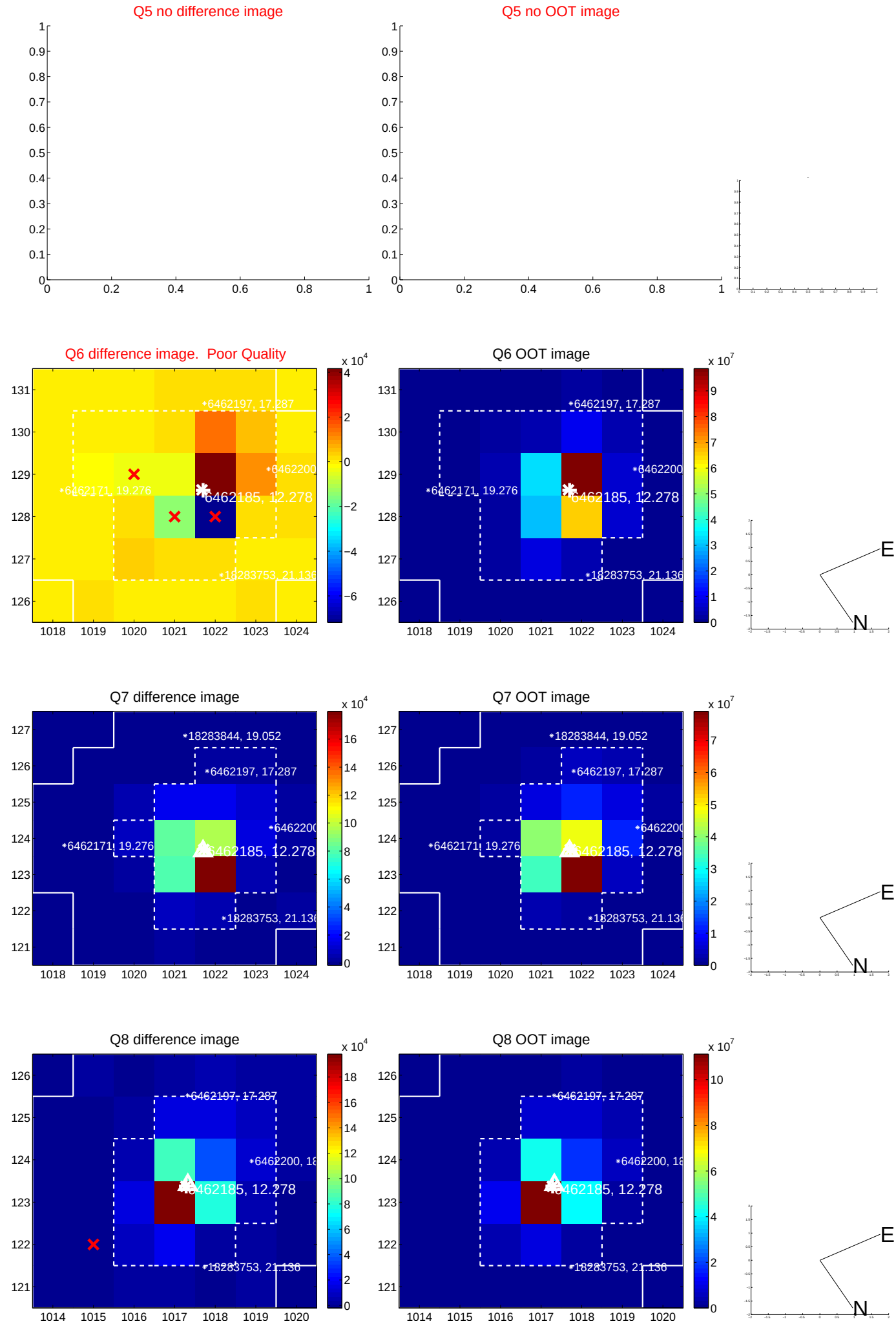


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one-σ uncertainty. Blue circle: three-σ. Red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

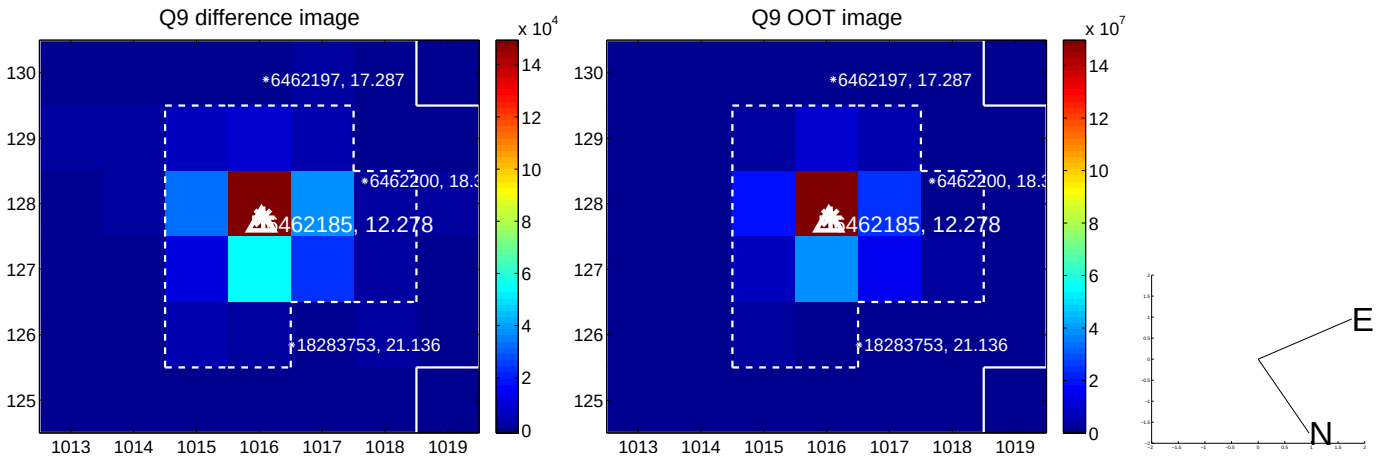
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

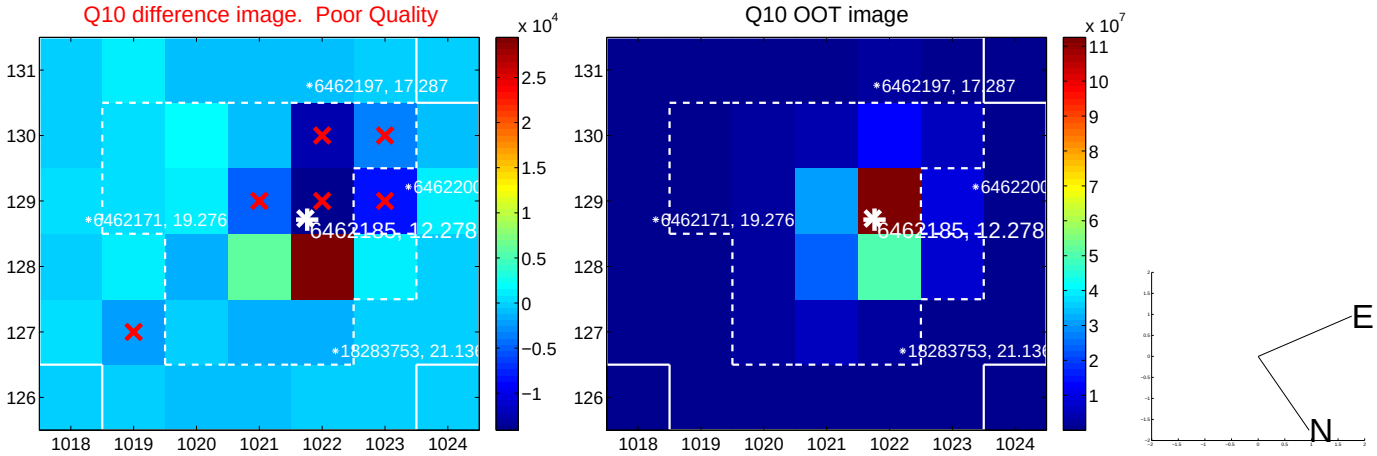


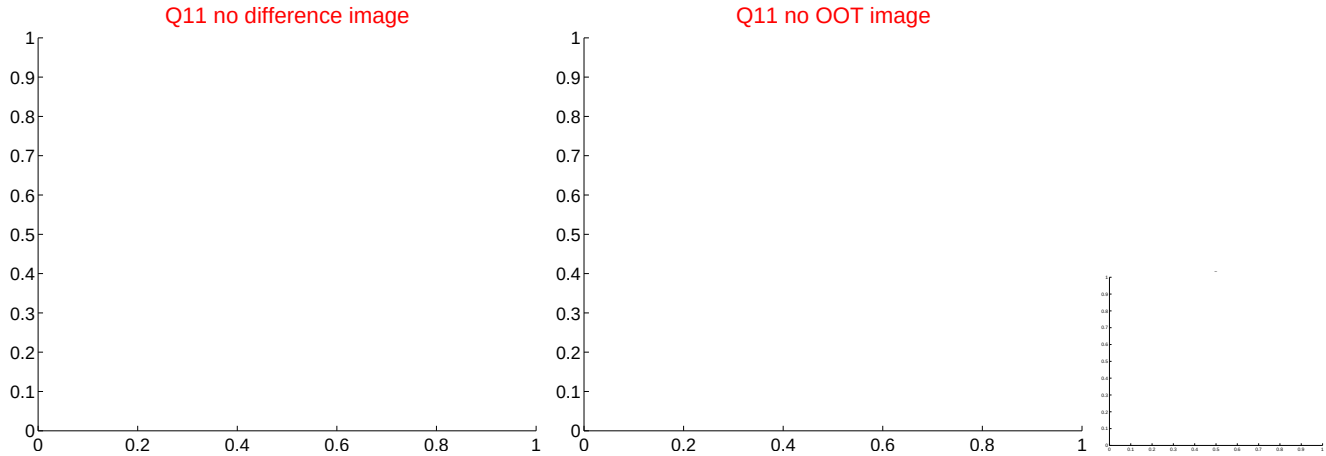
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.

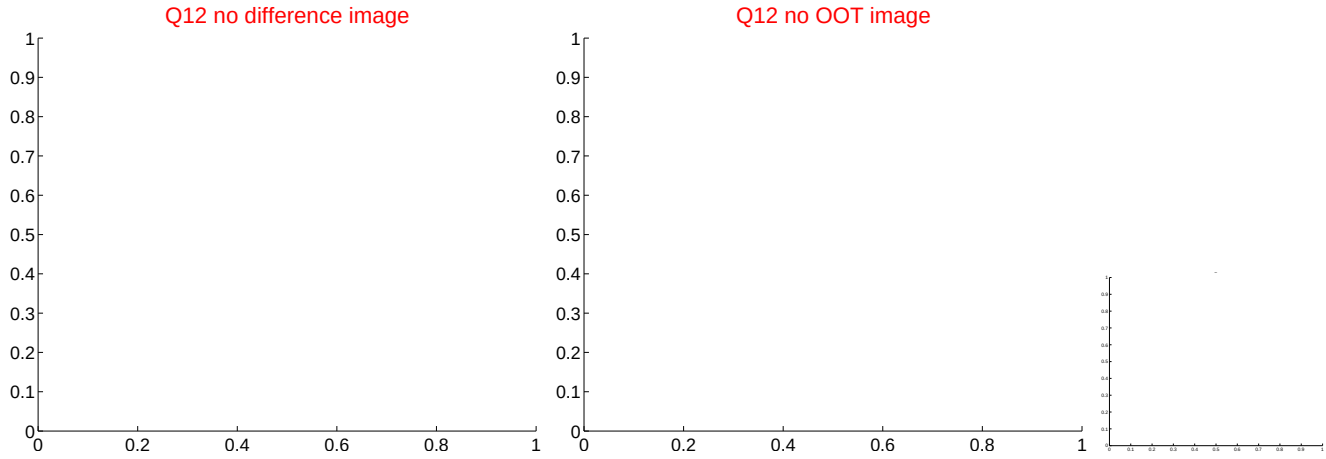


white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.

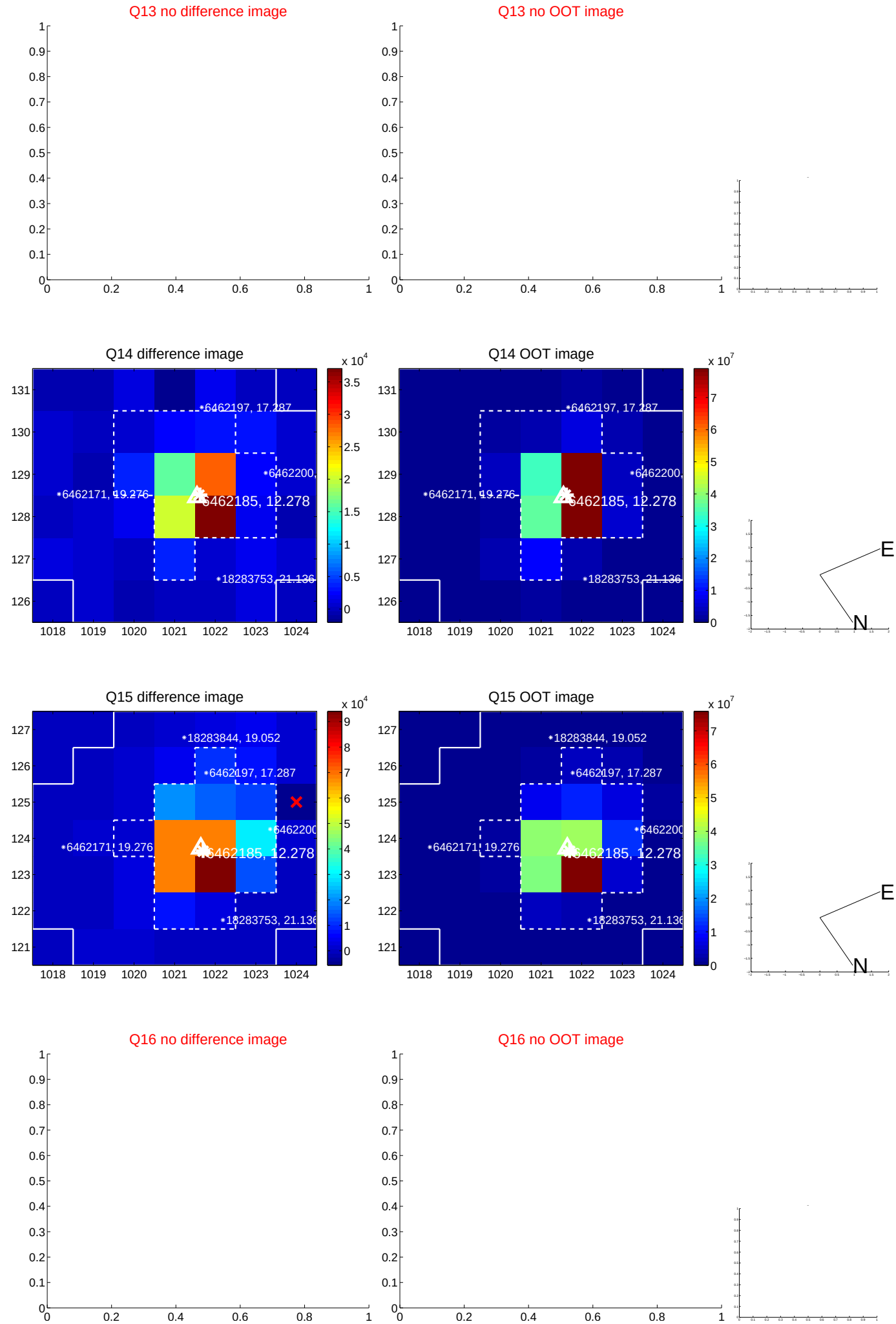




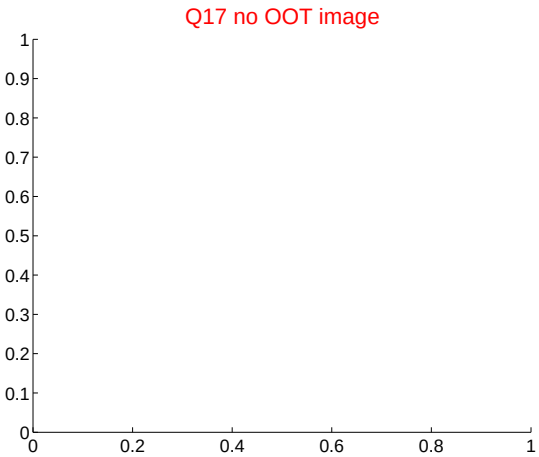


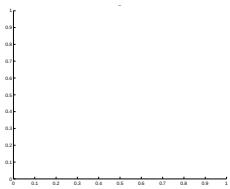


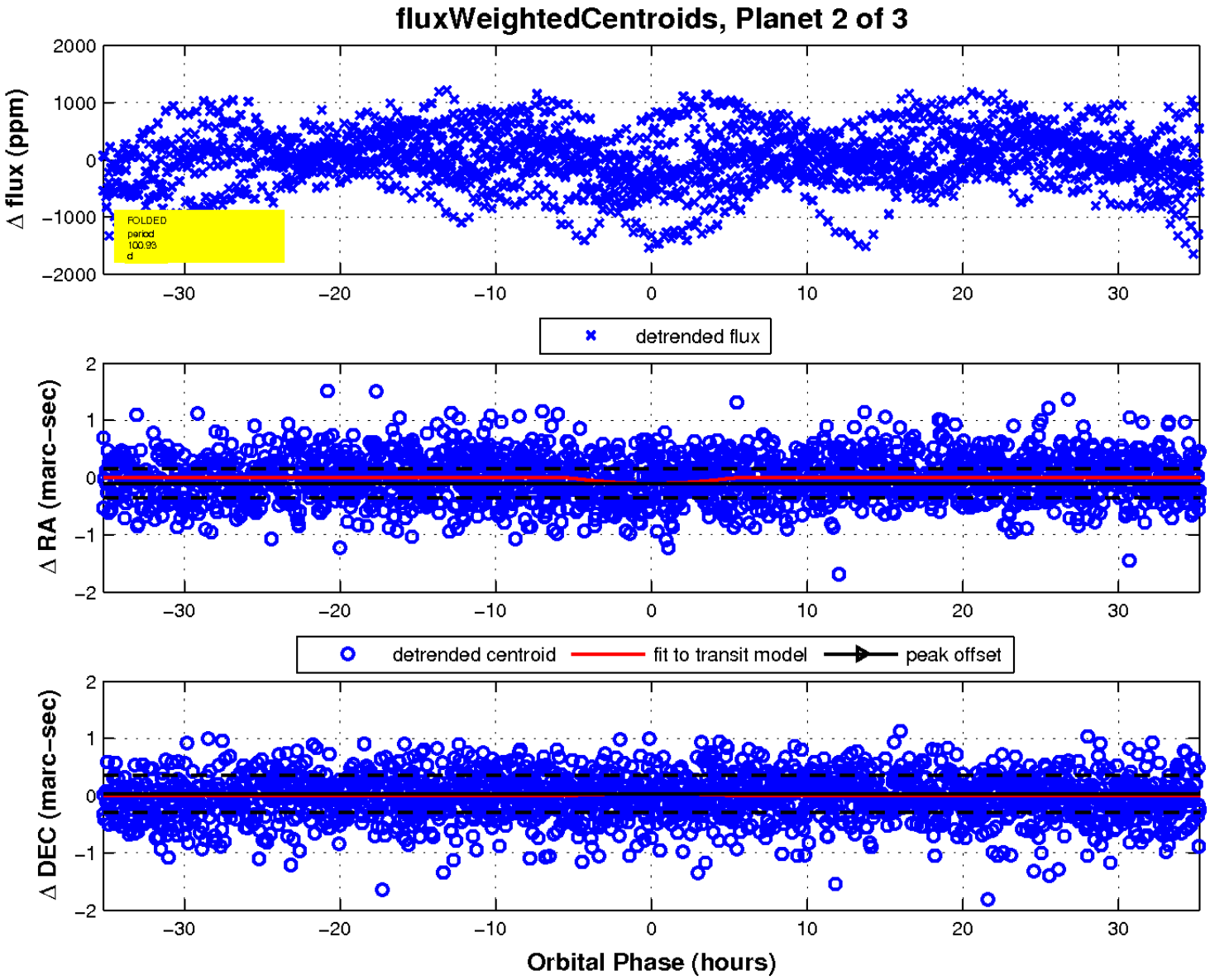
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ✕: large negative pixel value.



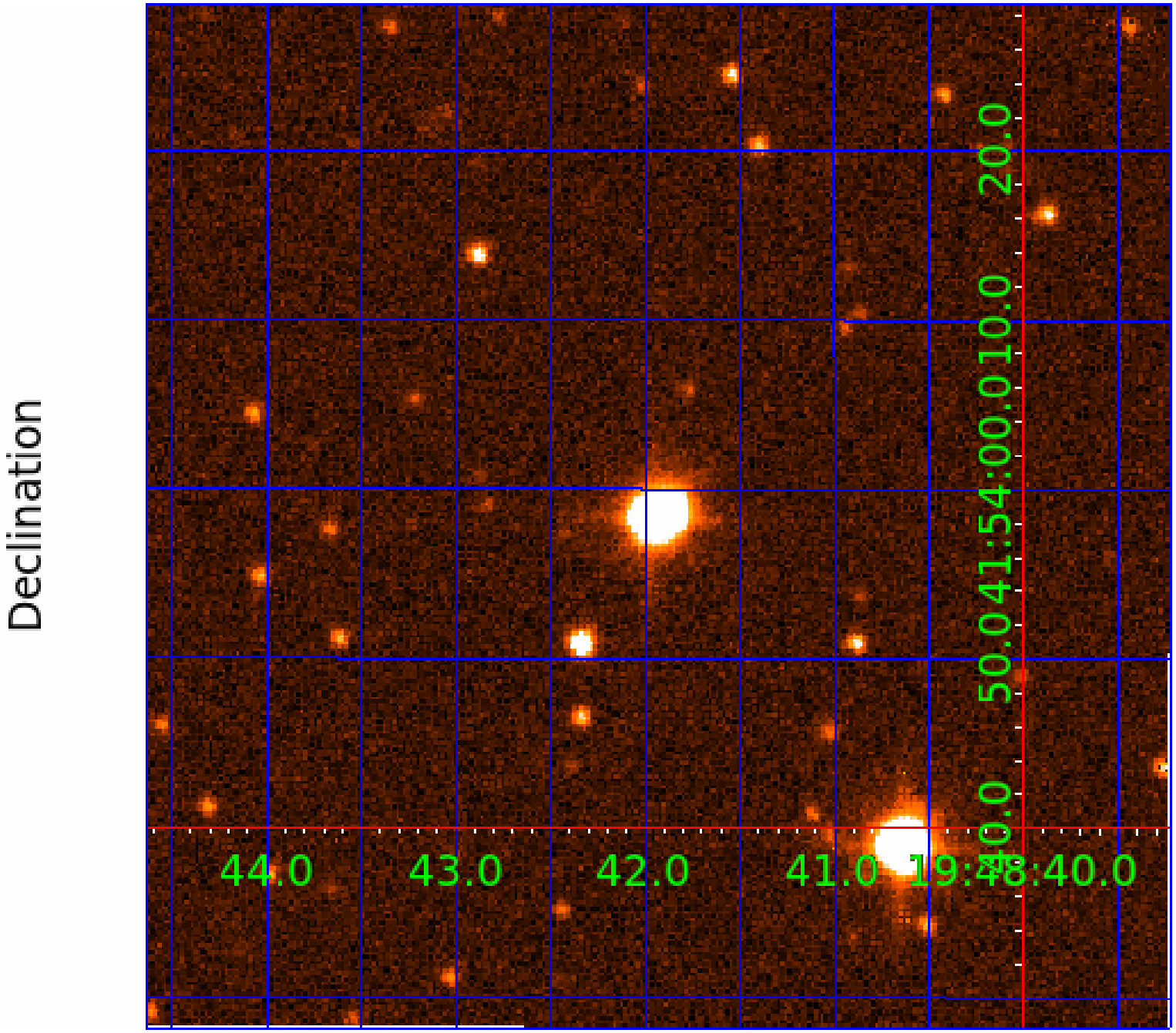
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.







UKIRT Image



KIC 006462185

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 ($S_\oplus$)
006462185-01	OBS	No	0.900689	131.915757	14.6	4.836	7.9	4.1	6.81	6474	2.66	0.00
006462185-02	OBS	No	100.930659	174.504608	697.2	11.738	7.9	7.7	6.81	6474	23.68	222.64
006462185-03	OBS	No	158.471318	175.512301	1304.8	13.459	8.1	8.1	6.81	6474	46.10	122.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006462185-01	OBS	FP	0.00	1	0	1	0	LPP_DV—MOD_NONUNIQ_DV—HALO_GHOST
006462185-02	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE—TRANS_GAPPED—LPP_DV—MOD_NONUNIQ_ALT
006462185-03	OBS	FP	0.00	1	0	0	0	INDIV_TRANS_RUBBLE_MARSHALL—LPP_DV—ALL_TRANS_CHASES—MOD_NONUNIQ_ALT—MOD_TER_ALT—MOD_POS_ALT—CENT_FEW_DIFFS

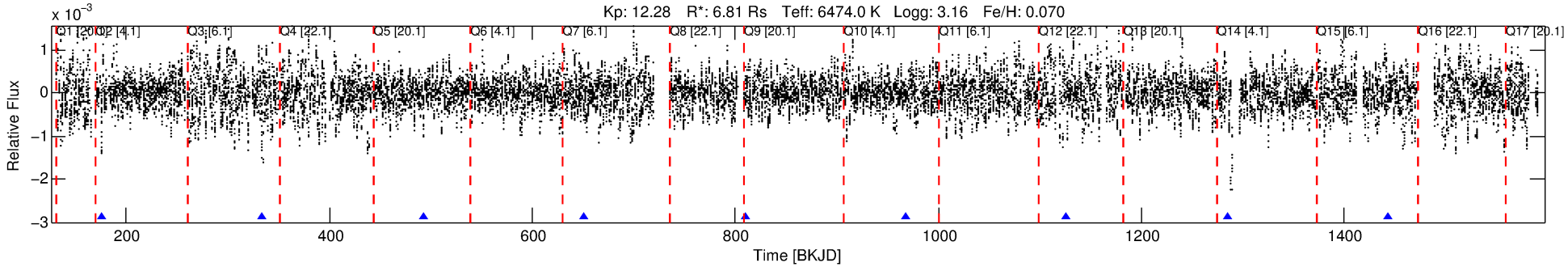
Notes: OBS = Observed. INJ = Injected. INV = Inverted. SCR = Scrambled.
N = Not Transit-Like. S = Stellar Eclipse. C = Centroid Offset. E = Ephemeris Match.
See `http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col` for comment definitions.

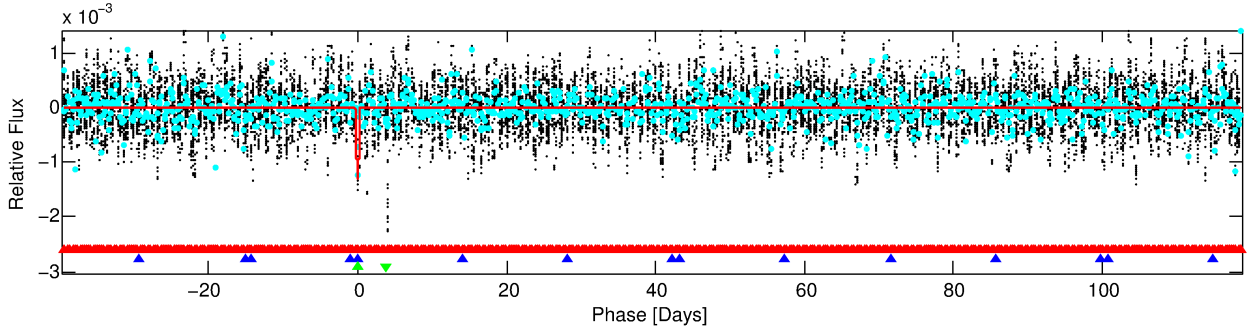
Ephemeris Match Information For 006462185-03

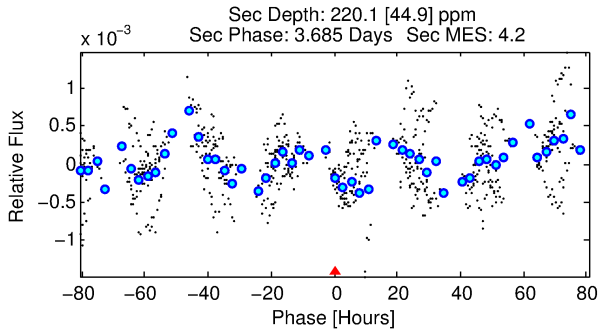
No Significant Match Found

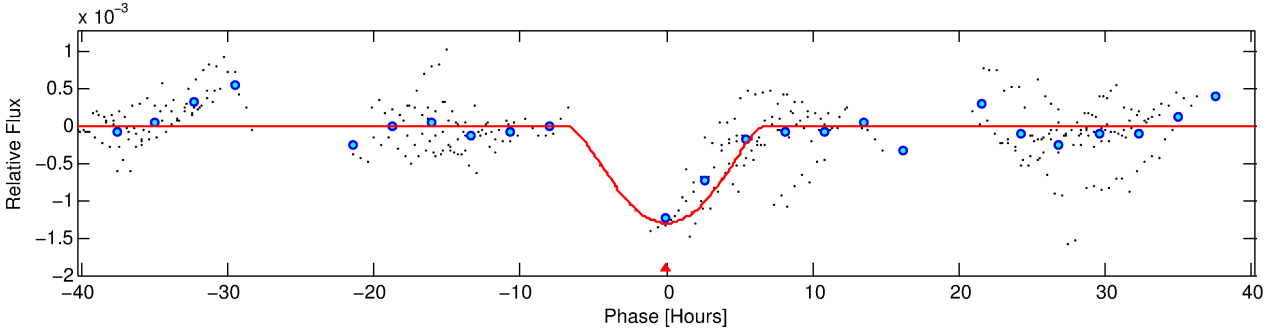
DV One-Page Summary

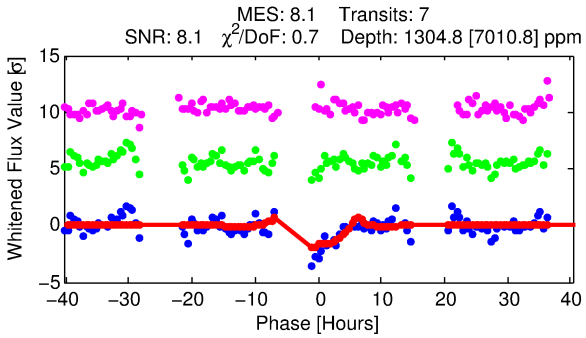
KIC: 6462185 Candidate: 3 of 3 Period: 158.471 d

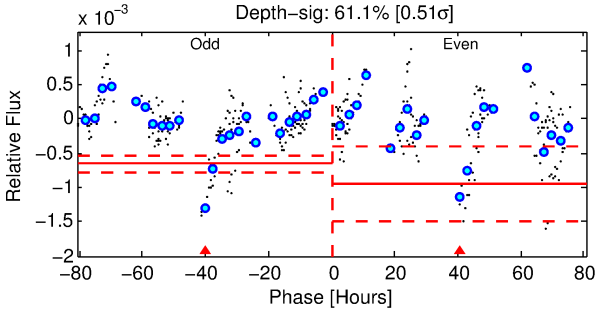


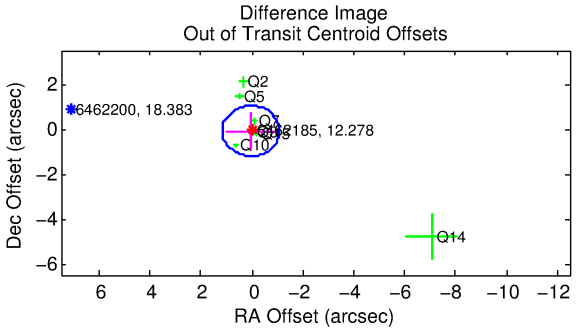












DV Fit Results:

Period = 158.47132 [0.00548] d
Epoch = 175.5123 [0.0345] BKJD
Rp/R* = 0.0620 [0.0799]
a/R* = 32.19 [8.56]
b = 1.00 [0.11]

Seff = 122.00 [104.66]
Teq = 847 [182] K
Rp = 46.10 [63.54] Re
a = 0.7734 [0.3963] AU

Ag = 34.08 [92.66] [0.36σ]
Teffp = 3166 [2045] K [1.13σ]

DV Diagnostic Results:

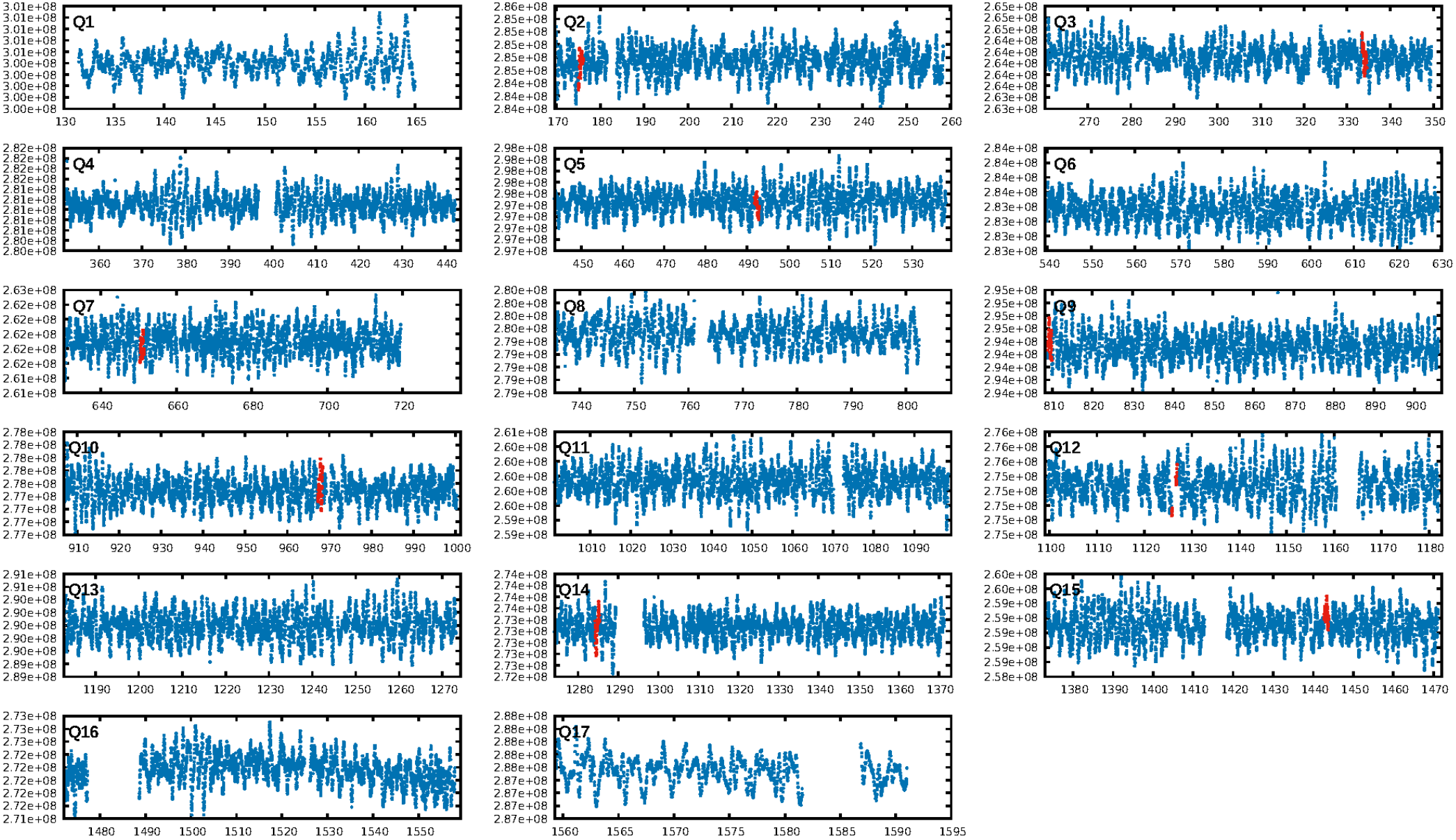
ShortPeriod−sig: 100.0% [77.33σ]
LongPeriod−sig: N/A
ModelChiSquare2−sig: 66.4%
ModelChiSquareGof−sig: 100.0%
Bootstrap−pfa: 1.19e−09
RollingBand−fgt: 1.00 [7/7]
GhostDiagnostic−chr: 0.9071

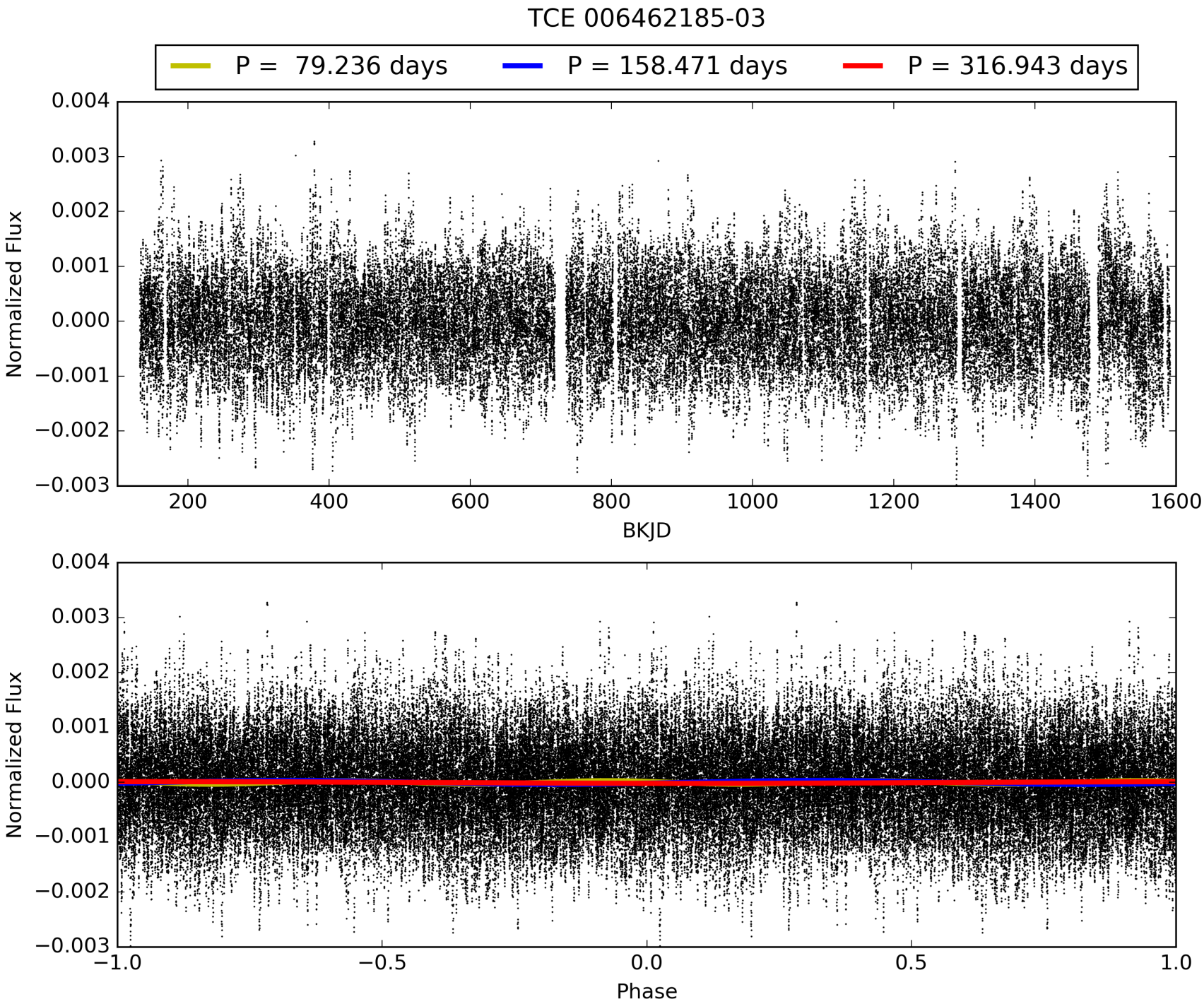
Centroid−sig: 0.1%
Centroid−so: 0.281 arcsec [2.43σ]
OotOffset−rm: 0.101 arcsec [0.27σ]
KicOffset−rm: 0.126 arcsec [0.40σ]
OotOffset−st: 3/3/0/1 [7]
KicOffset−st: 3/3/0/1 [7]
DiffImageQuality−fgm: 0.29 [2/7]
DiffImageOverlap−fno: 0.00 [0/7]

Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 31−Jan−2016 03:21:18 Z

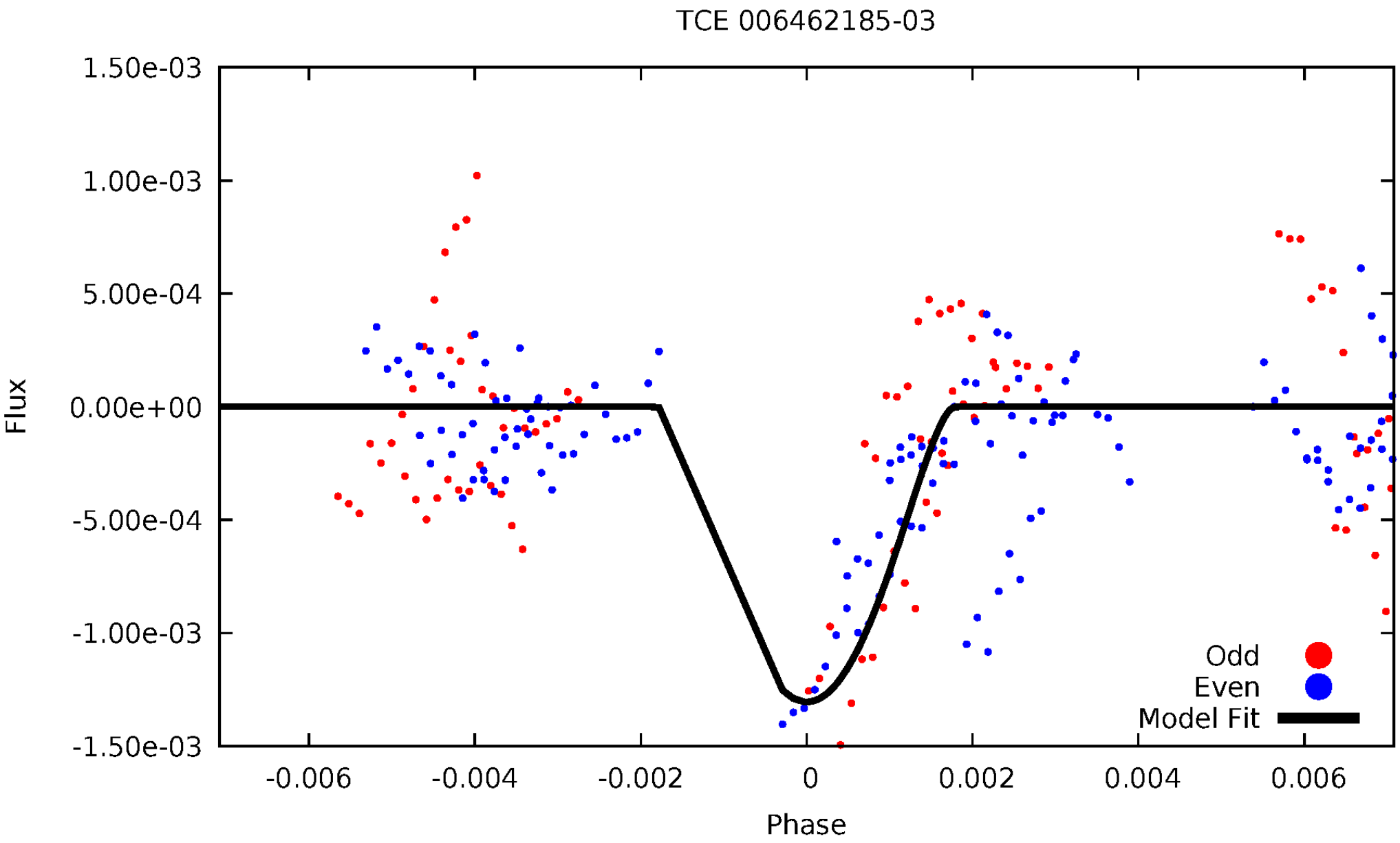
This Data Validation Report Summary was produced in the Kepler Science Operations Center Pipeline at NASA Ames Research Center

TCE 006462185-03, PDC Light Curves

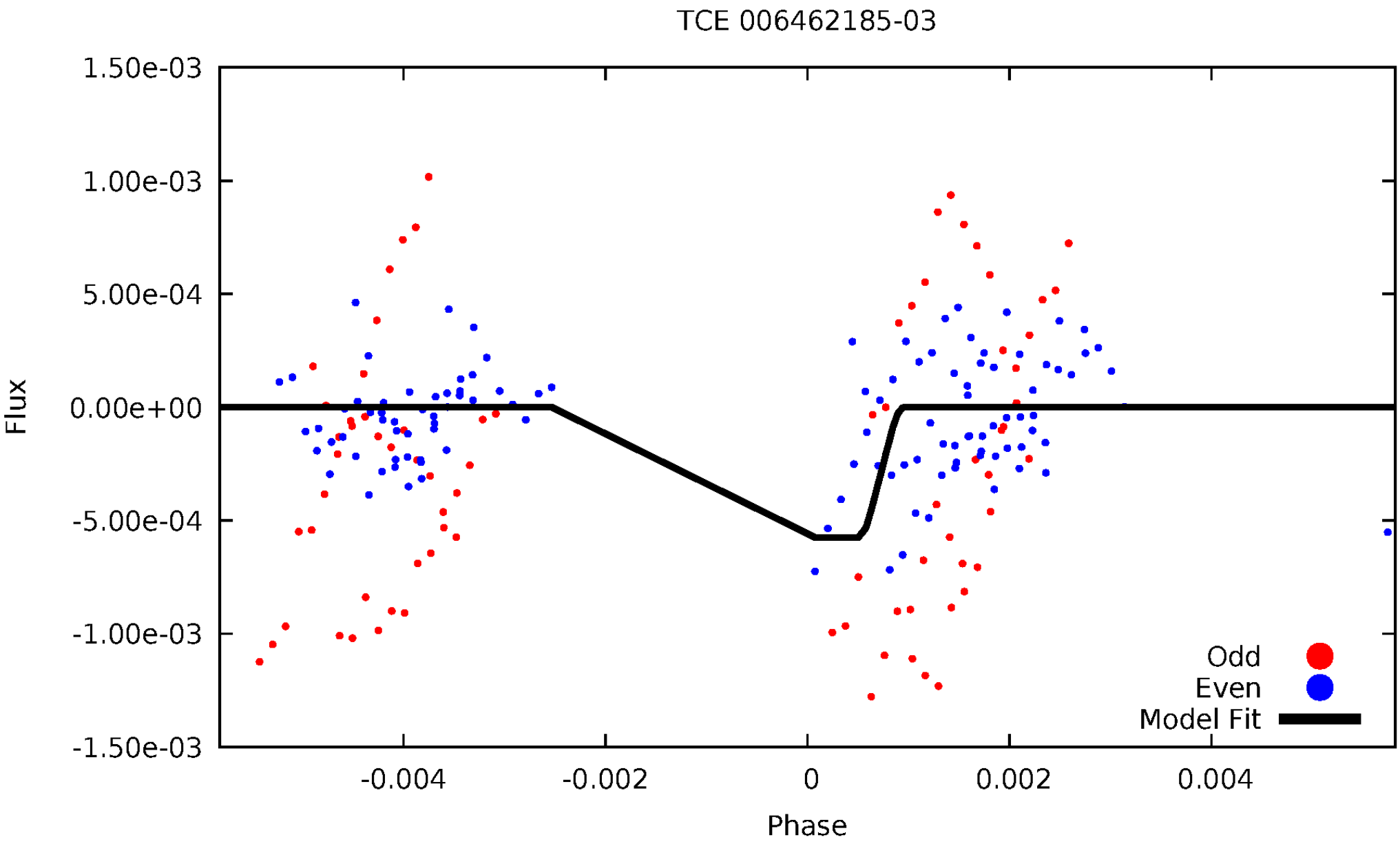



TCE 006462185-03
P = 79.236 days
P = 158.471 days
P = 316.943 days
Normalized Flux
BKJD
Normalized Flux
Phase

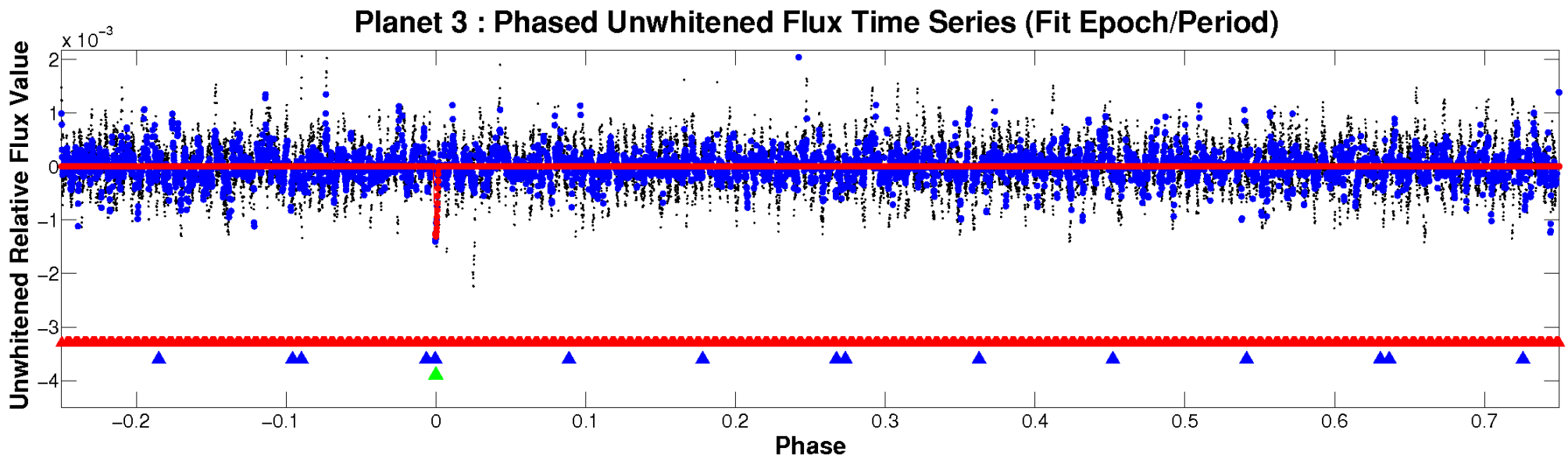
DV Odd/Even

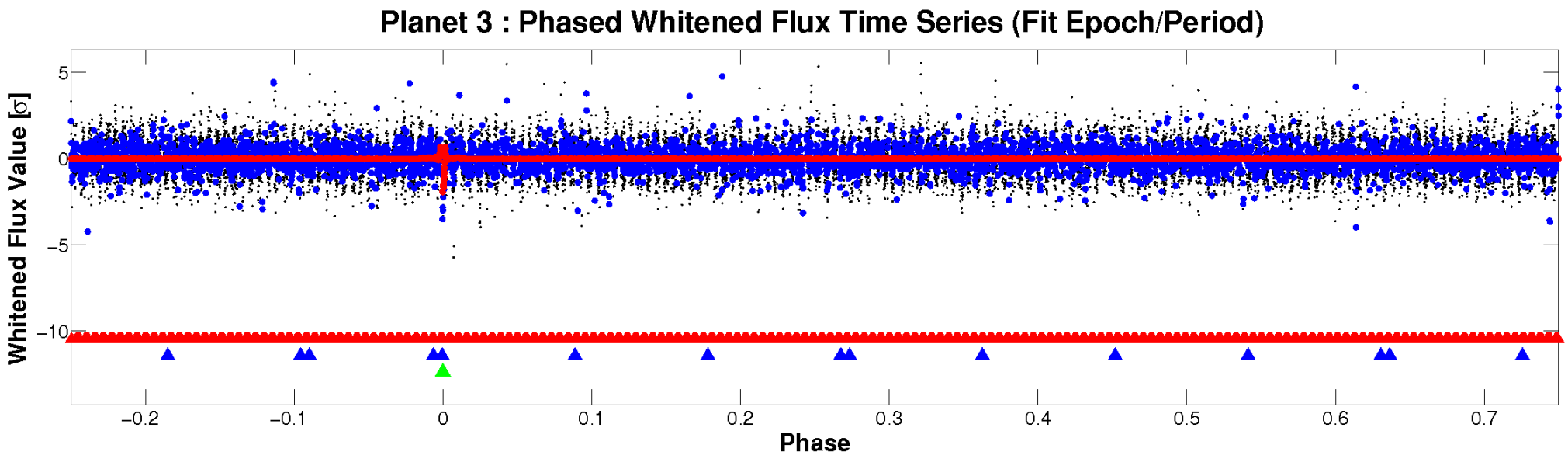

TCE 006462185-03
1.50e-03
1.00e-03
5.00e-04
0.00e+00
-5.00e-04
-1.00e-03
-1.50e-03
Flux
-0.006
-0.004
-0.002
0
0.002
0.004
0.006
Phase
Odd
Even
Model Fit

ALT Odd/Even


TCE 006462185-03
1.50e-03
1.00e-03
5.00e-04
0.00e+00
-5.00e-04
-1.00e-03
-1.50e-03
Flux
-0.004
-0.002
0
0.002
0.004
Phase
Odd
Even
Model Fit

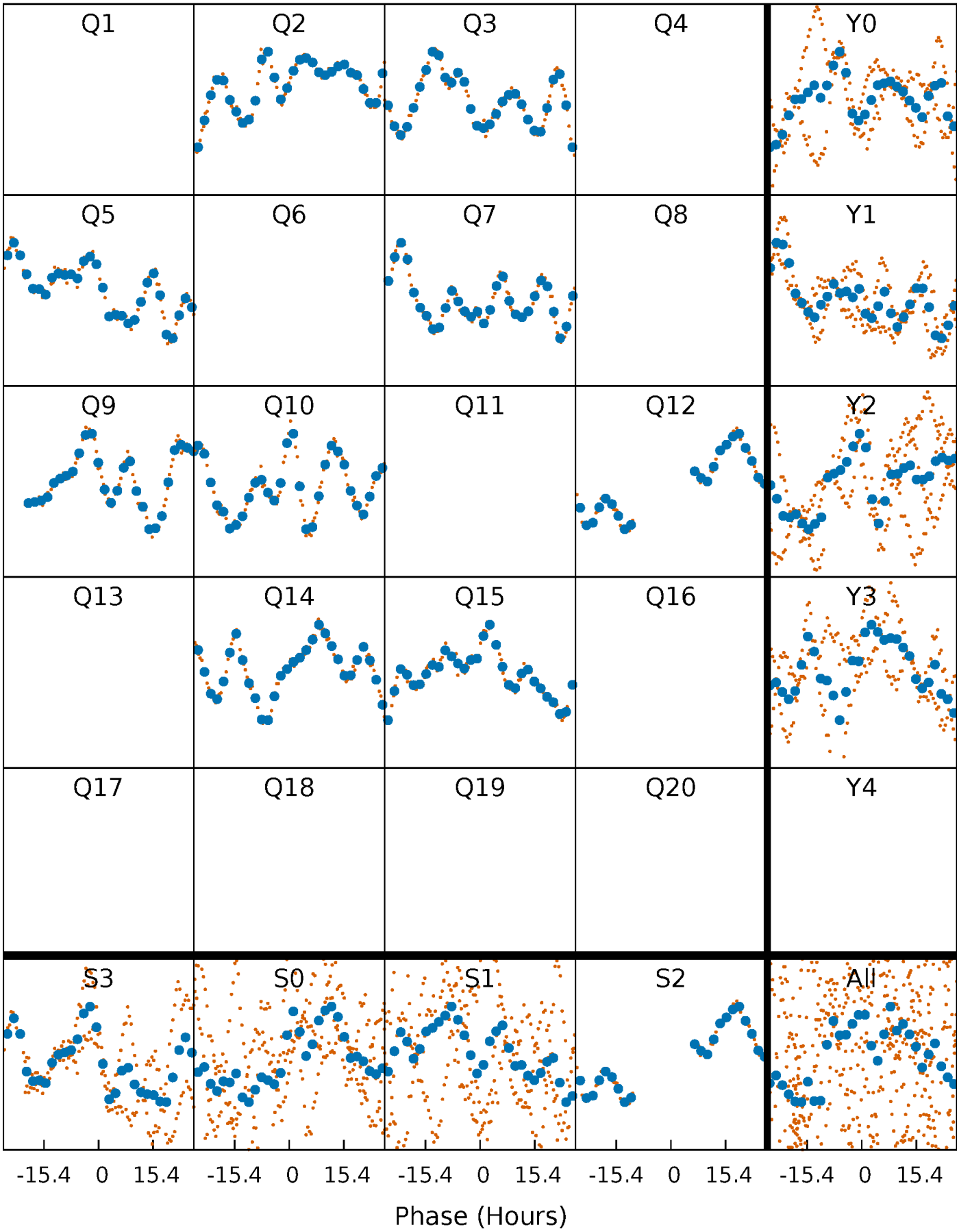
Non-Whitened Vs. Whitened Light Curve





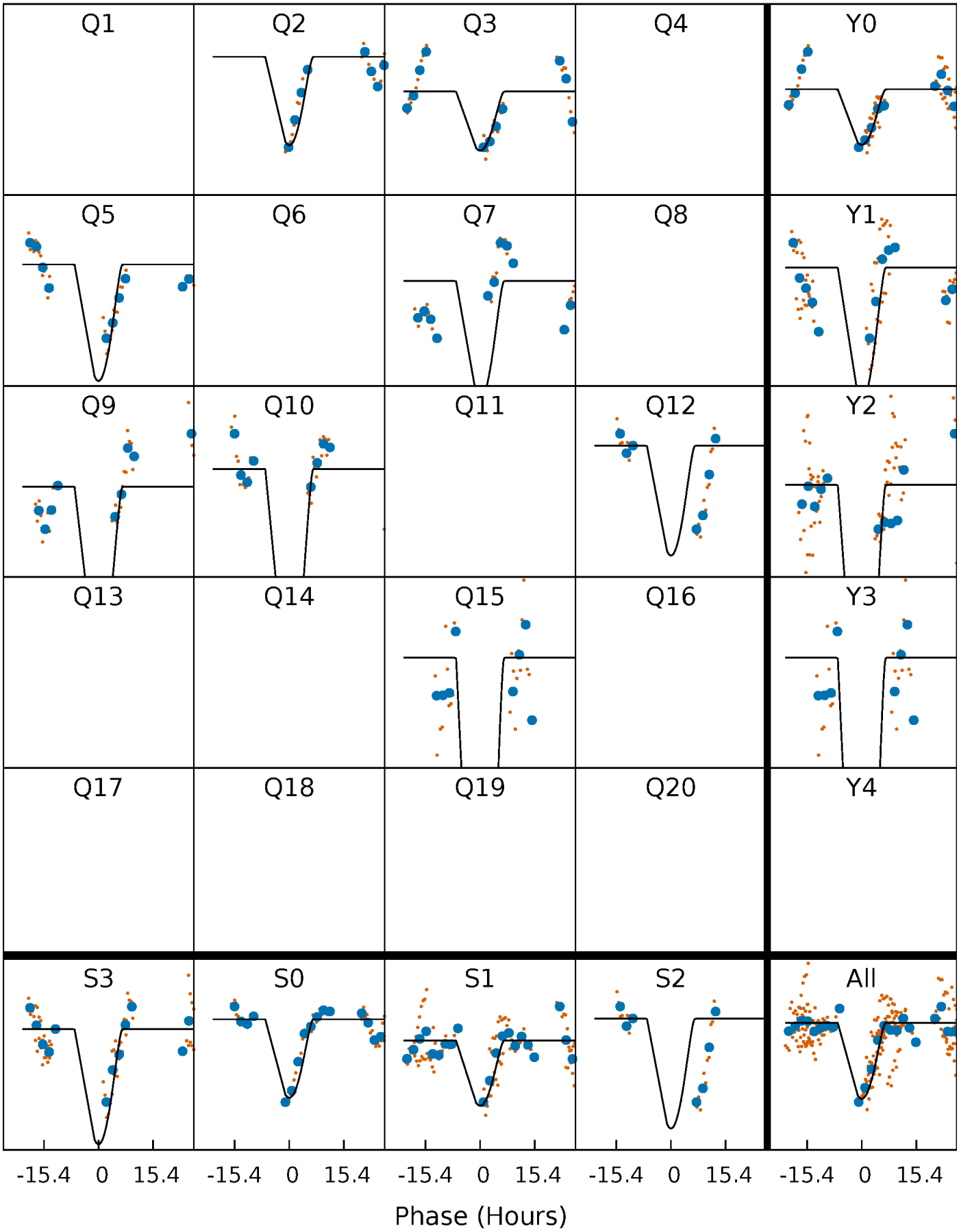
PDC Quarter-Phased Transit Curves

TCE 006462185-03 P=158.471318 Days T_0=175.512301 (BKJD)



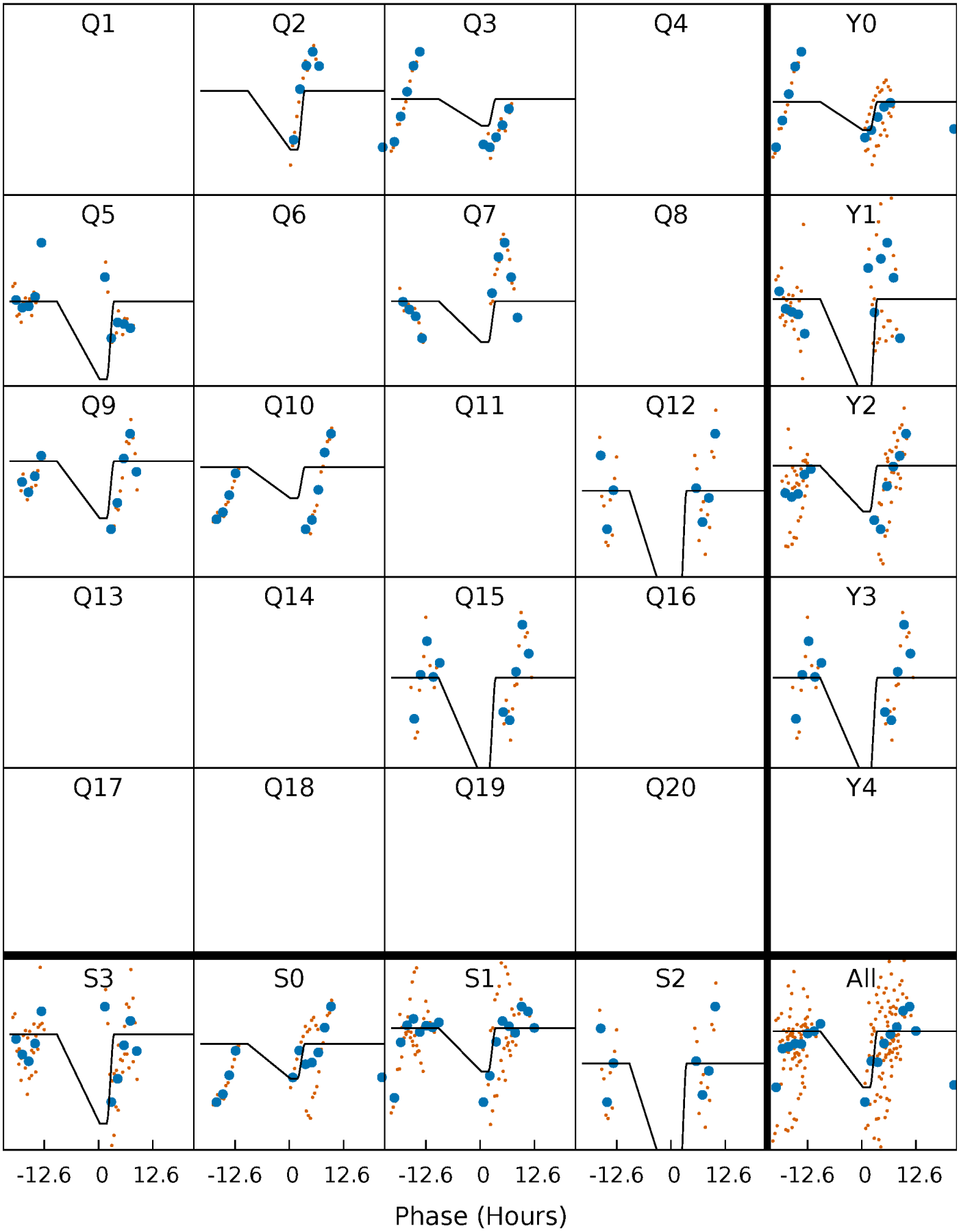
DV Quarter-Phased Transit Curves

TCE 006462185-03 P=158.471318 Days T_0=175.512301 (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

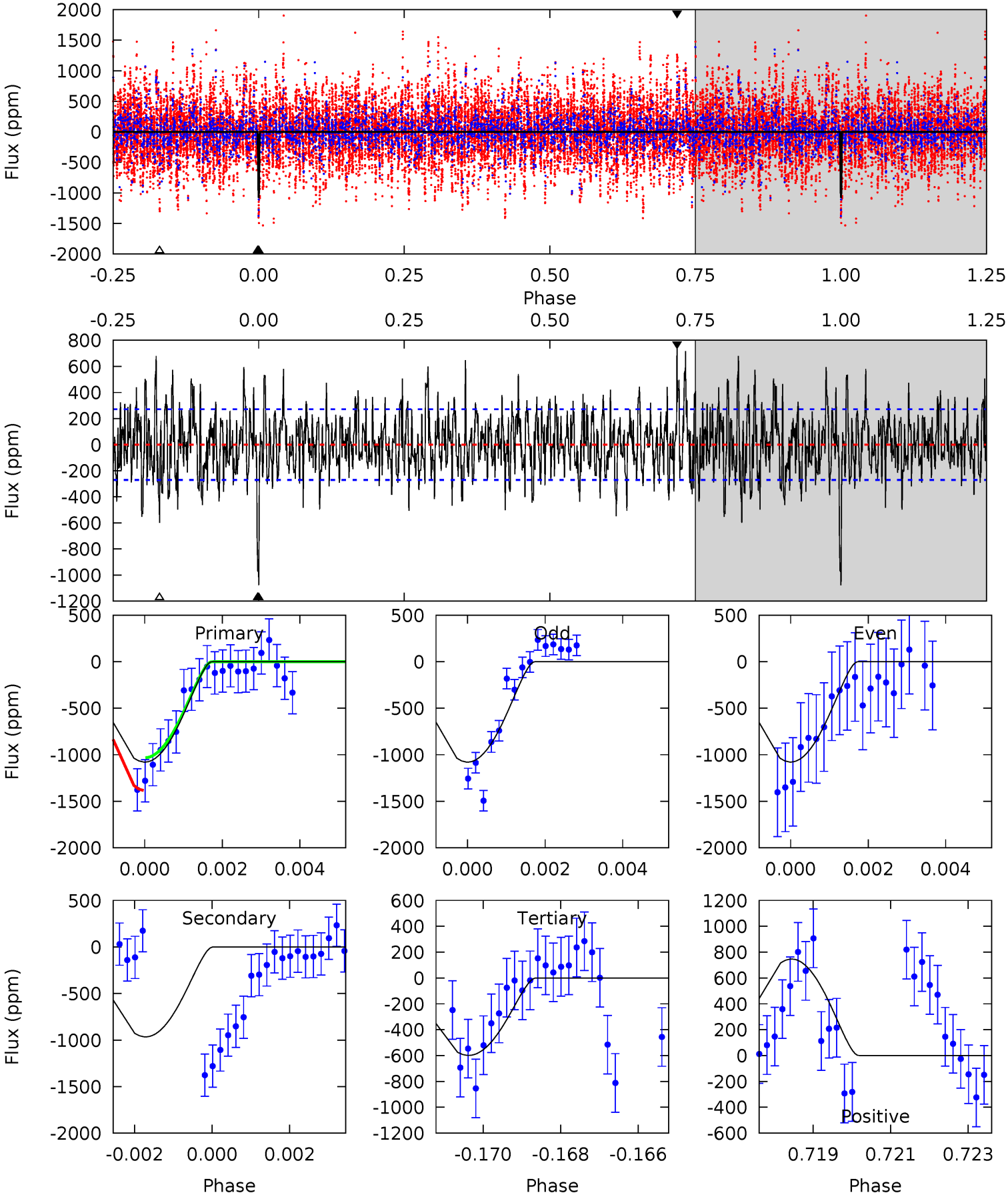
TCE 006462185-03 P=158.493411 Days T_0=175.454836 (BKJD)



DV Model-Shift Uniqueness Test

006462185-03, P = 158.471318 Days, E = 17.040983 Days

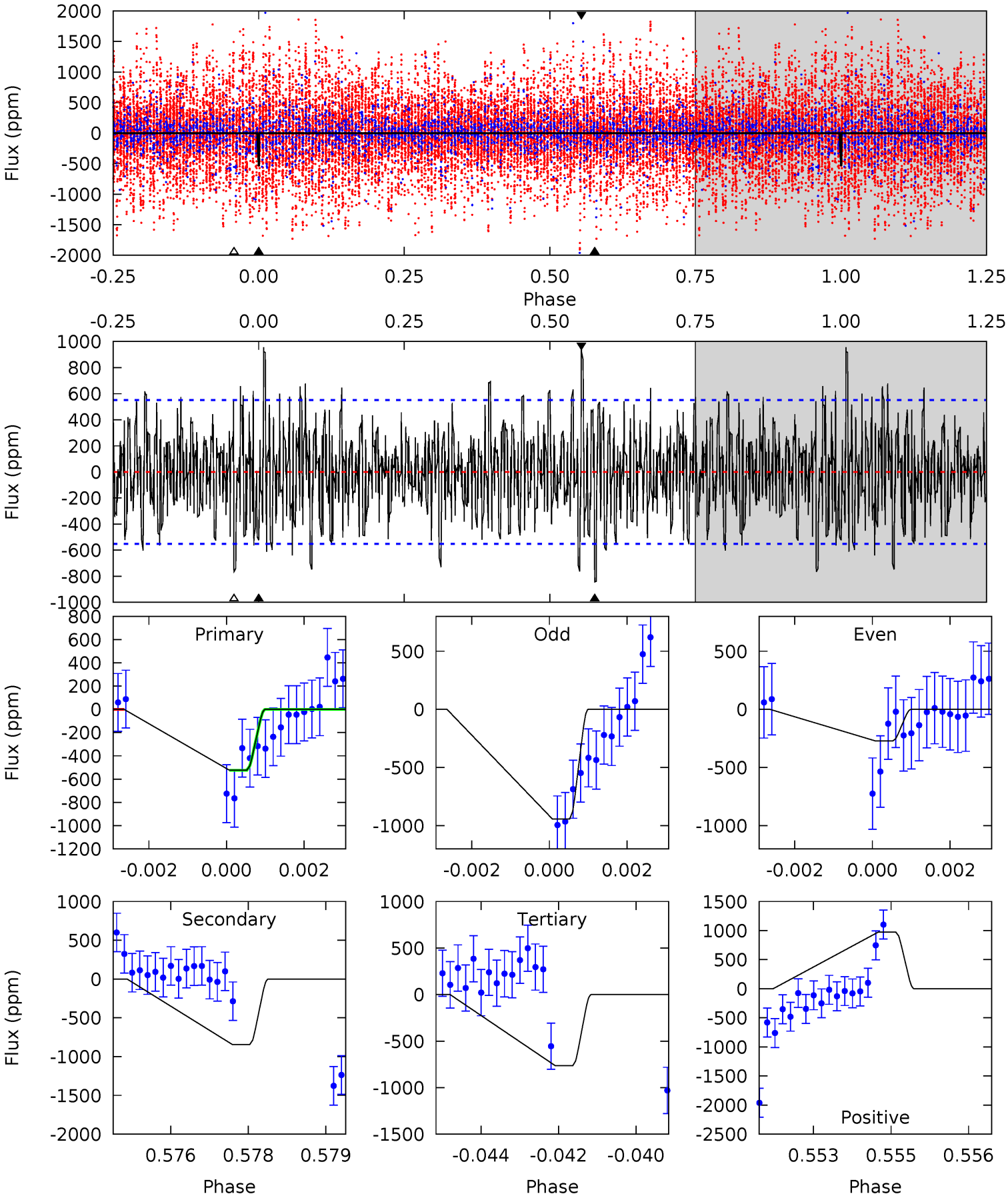
Pri	Sec	Ter	Pos	FA_1	FA_2	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
21.1	18.9	11.7	14.6	5.32	3.08	3.62	9.41	6.51	7.19	4.30	0.01	0.87	0.41	1.25



Alt Model-Shift Uniqueness Test

006462185-03, P = 158.493411 Days, E = 16.961425 Days

Pri	Sec	Ter	Pos	FA_1	FA_2	F_{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
5.06	8.17	7.40	9.43	5.33	3.10	1.93	-2.33	-4.37	0.77	-1.27	3.18	2.26	0.54	0



Stellar Parameters For KIC 006462185

	$T_{\rm eff}(K)$	$\log(g)$	[Fe/H]	R ($R_\odot$)	M($M_\odot$)	$p_\star$ (g·cm^{-3})
	6474^{+163}_{-163}	$3.162^{+0.512}_{-0.128}$	$0.070^{+0.250}_{-0.300}$	$6.809^{+1.550}_{-3.358}$	$2.454^{+0.292}_{-0.681}$	$0.011^{+0.059}_{-0.004}$
	+3%/-3%	+16%/-4%	+357%/-429%	+23%/-49%	+12%/-28%	+538%/-40%
Source	PHO1	FLK73	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 006462185-03 / KOI

Detrend	Depth (ppm)	R_p ($R_\oplus$)	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	-966±51	$54.40^{+50.37}_{-33.88}$	1155^{+87}_{-156}	4168^{+2329}_{-724}	107^{+644}_{-78}
Alt.	-844±103	$39.64^{+46.11}_{-27.46}$	1154^{+93}_{-154}	4588^{+3624}_{-1012}	170^{+1831}_{-133}

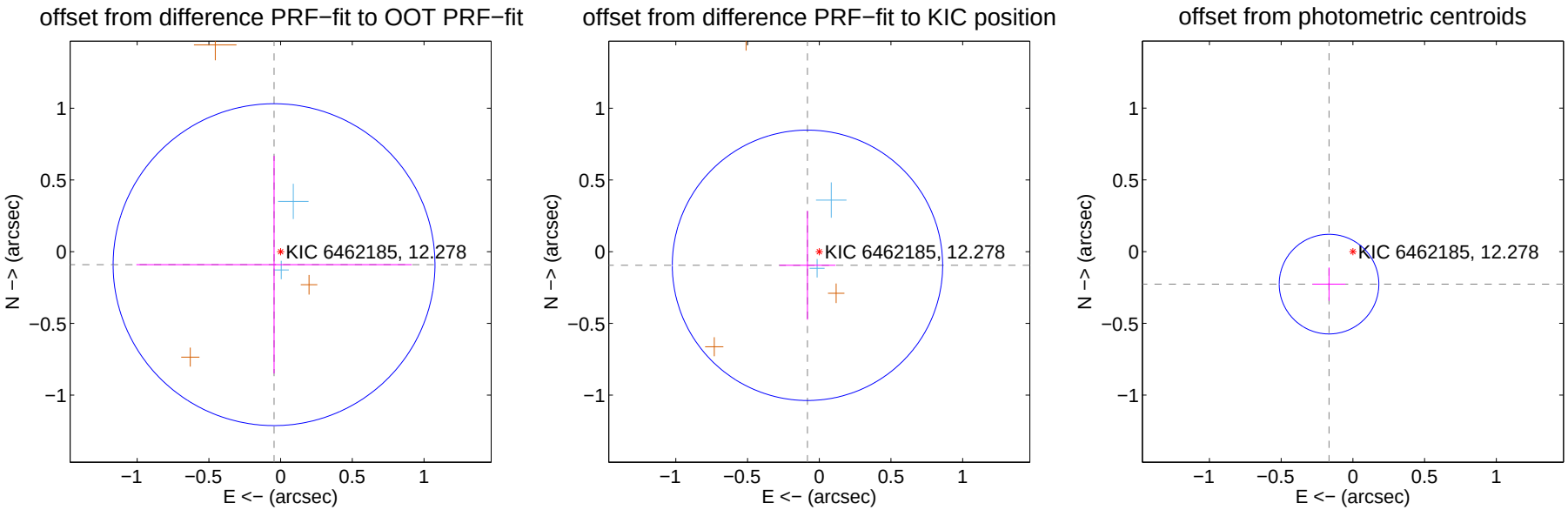
T_{max} = Theoretical Maximum Planetary Temperature
T_{obs} = Observed Planetary Temperature (Assuming A=0.3)
A_{obs} = Observed Albedo (Assuming T=0)

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

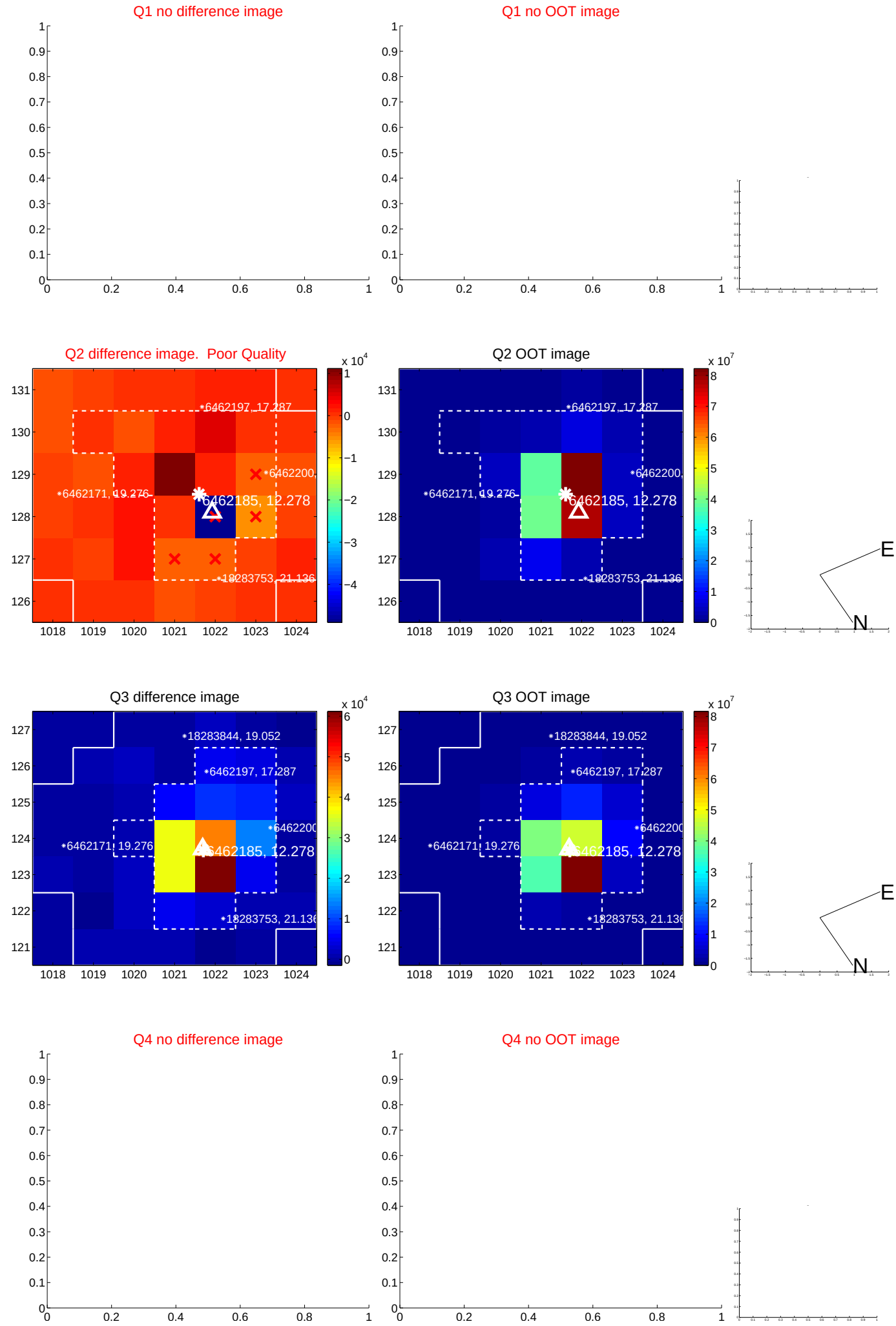
Supplemental centroid analysis for 006462185-03. Kepler magnitude: 12.28. Transit SNR 8.07
There are 2 quarters with good PRF difference image offsets
The direct PRF centroid is offset from the target star catalog position by about 0.10 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.101 ± 0.374	0.27	0.046 ± 0.960	-0.091 ± 0.759
PRF-fit source offset from KIC position	0.126 ± 0.314	0.40	0.082 ± 0.196	-0.095 ± 0.379
photometric centroid source offset	0.28 ± 0.12	2.43	0.17 ± 0.11	-0.23 ± 0.12

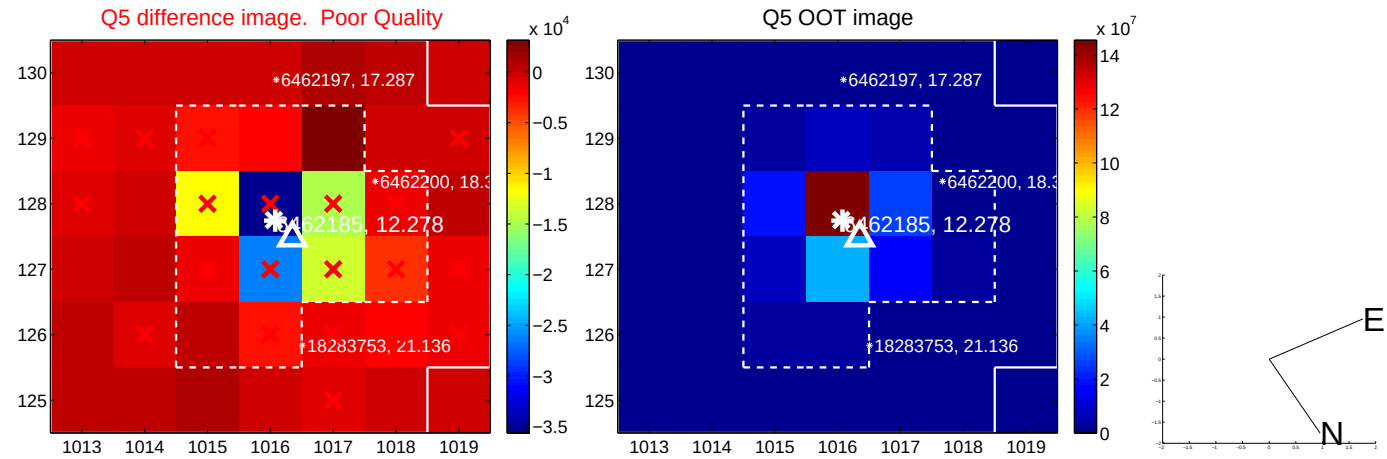


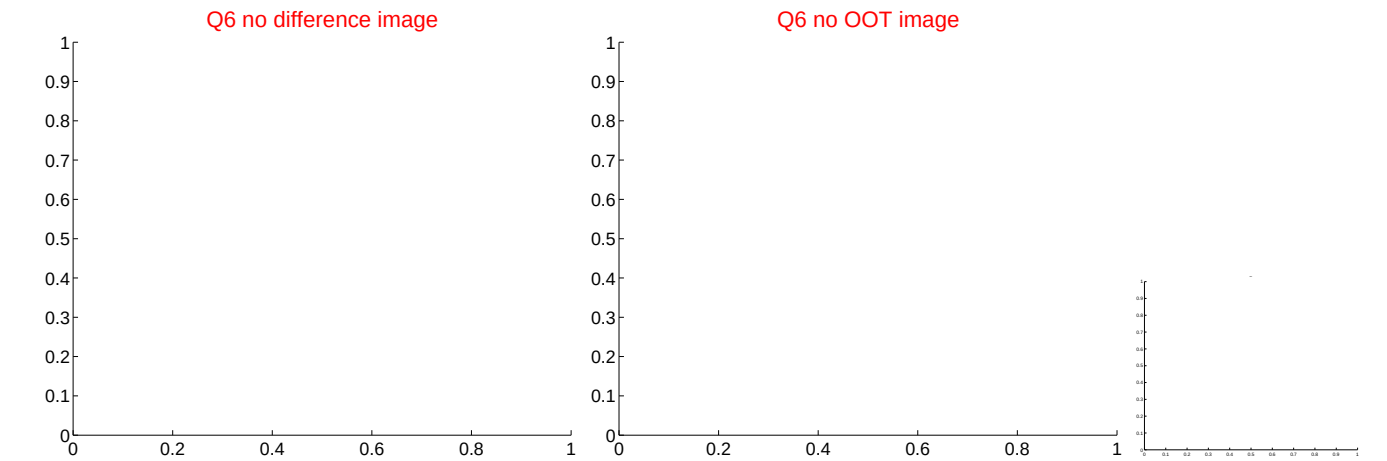
Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one-σ uncertainty. Blue circle: three-σ. Red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

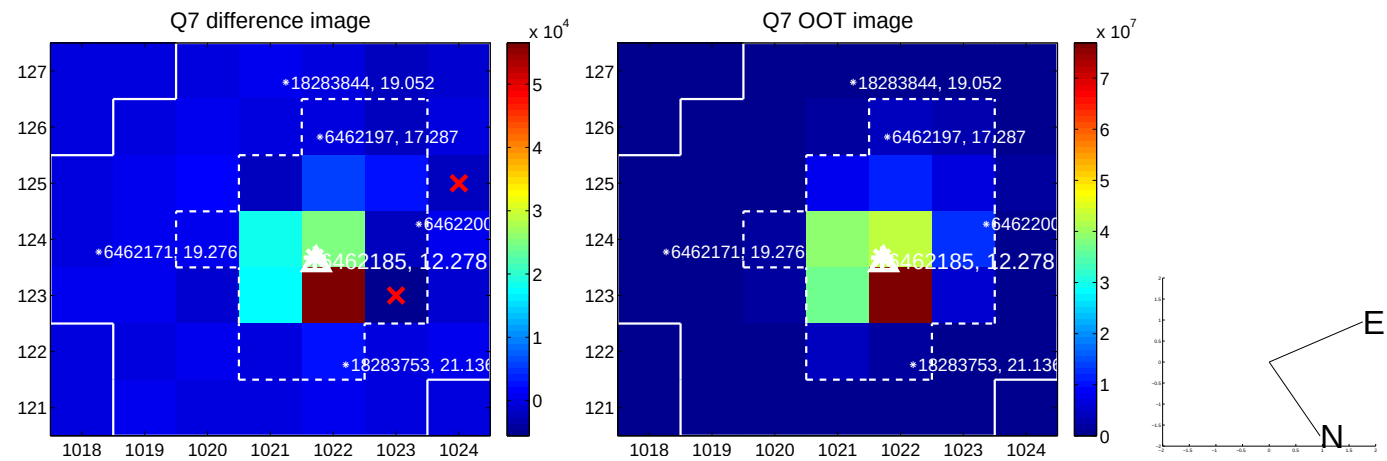
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

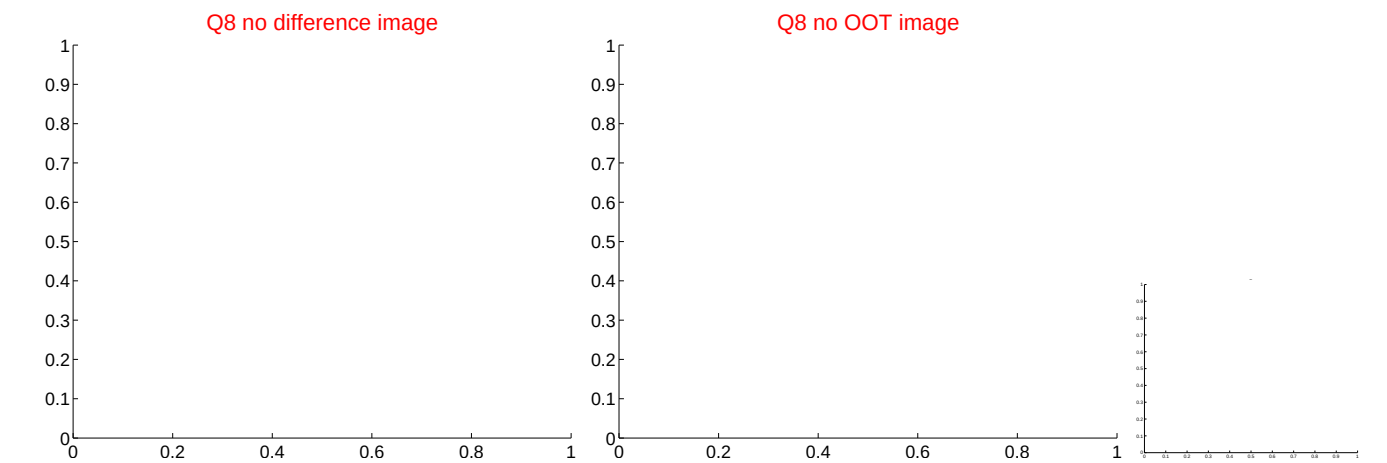


white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

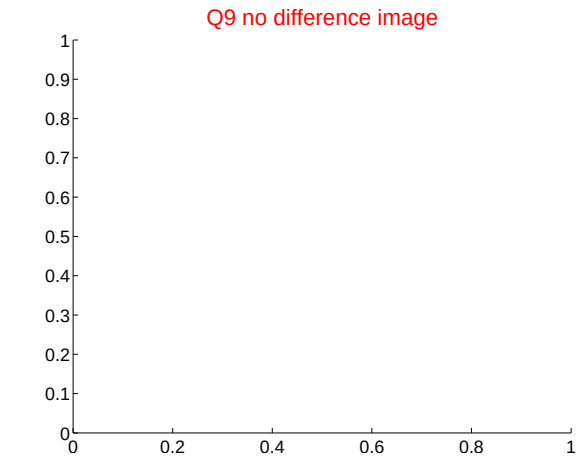


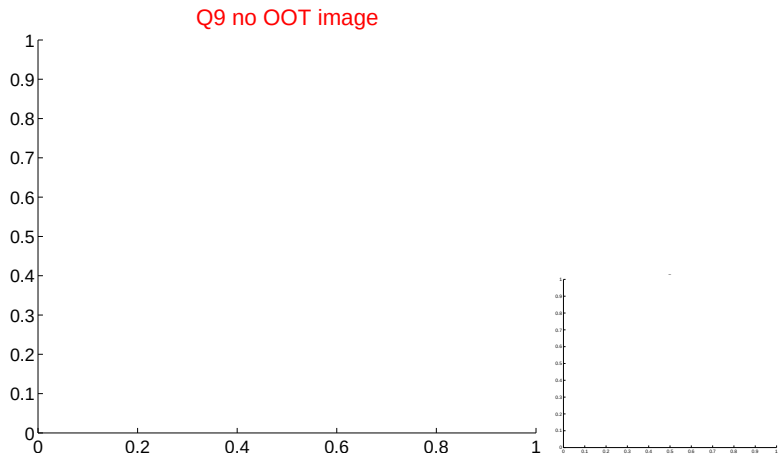


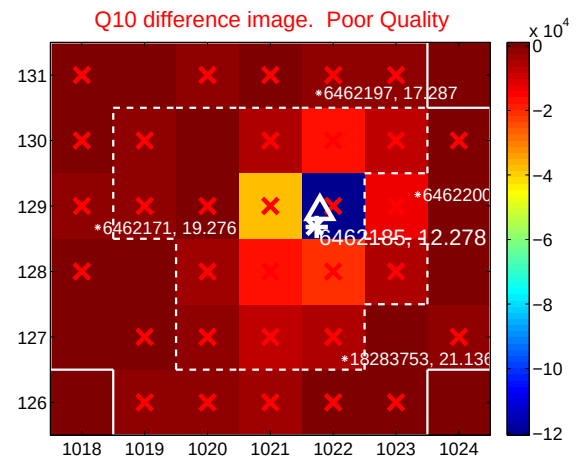


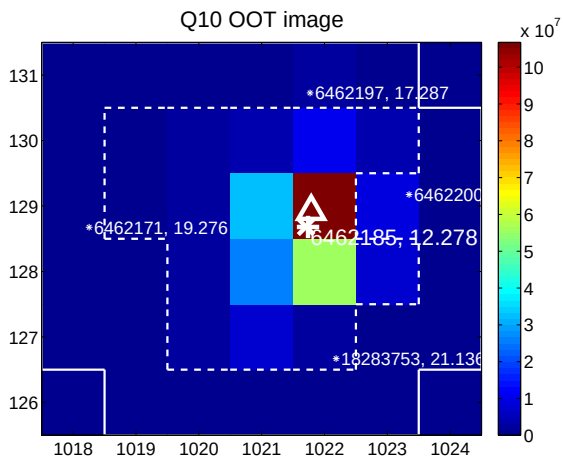


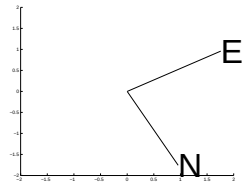
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

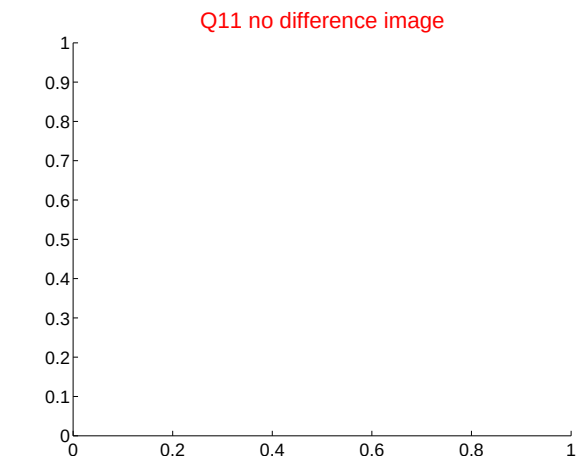


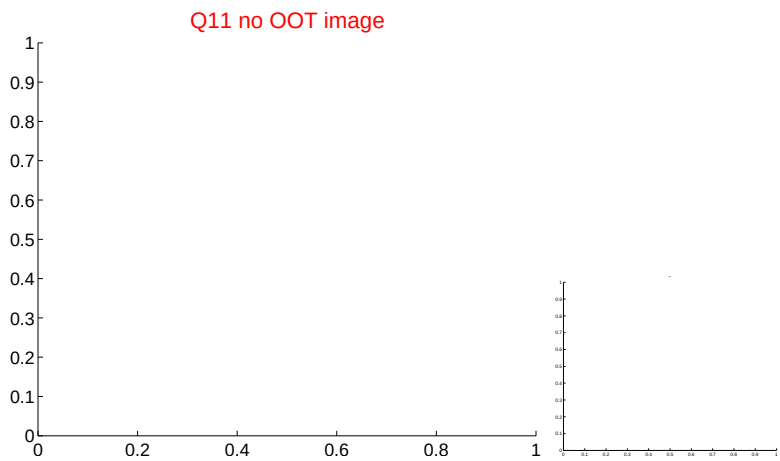


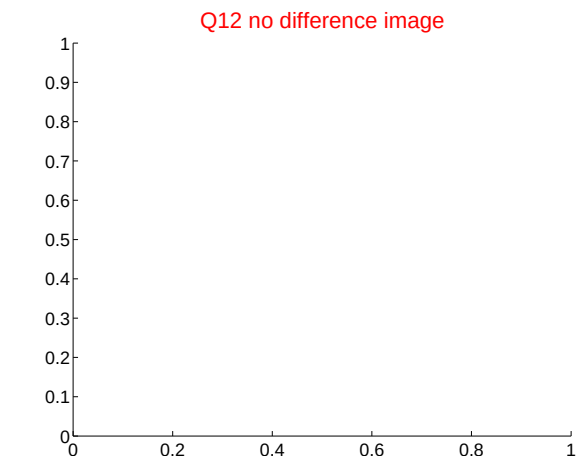


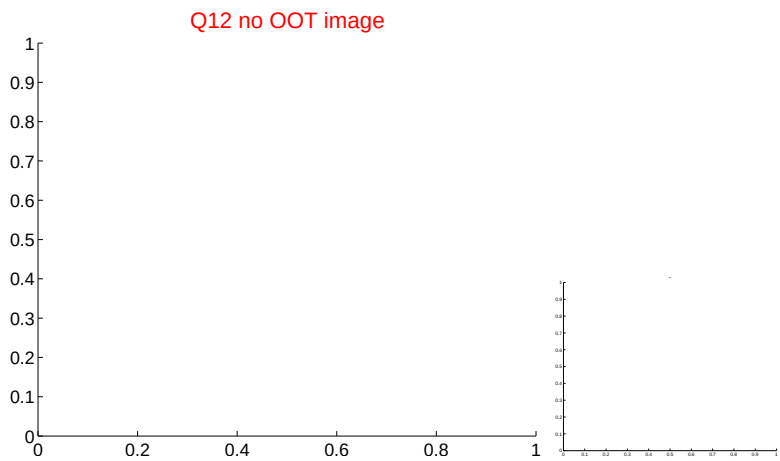




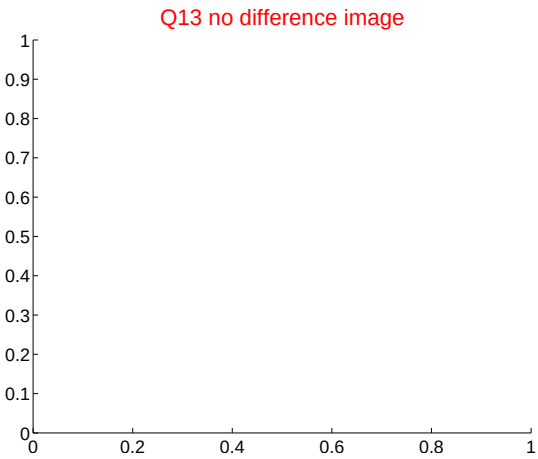


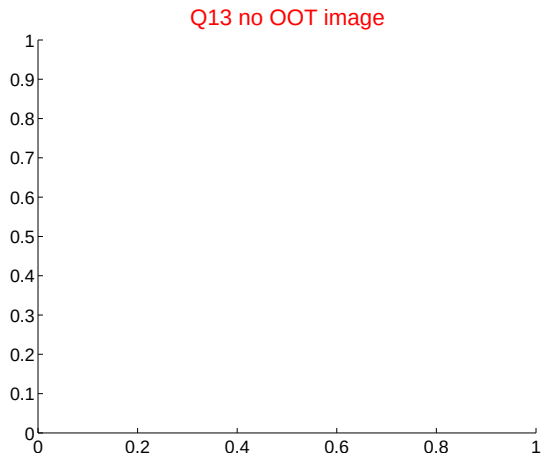


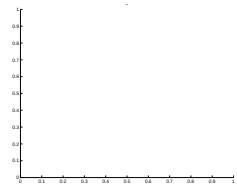


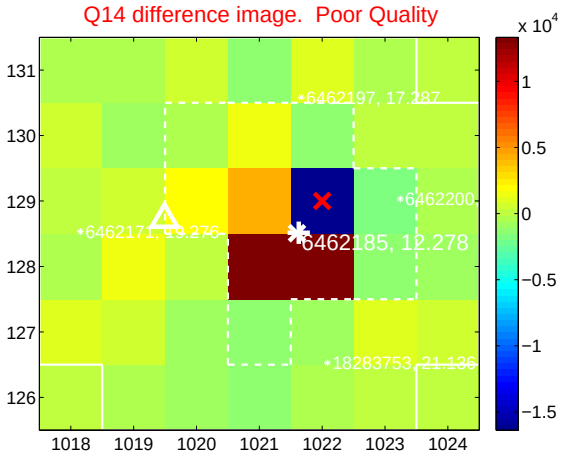


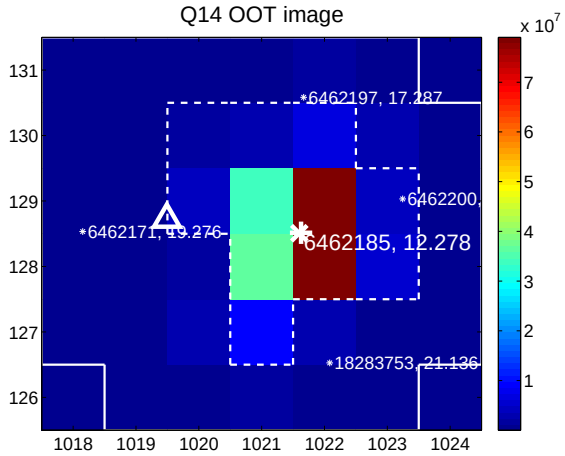
white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.

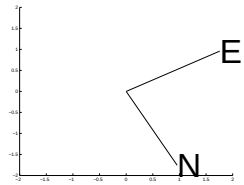


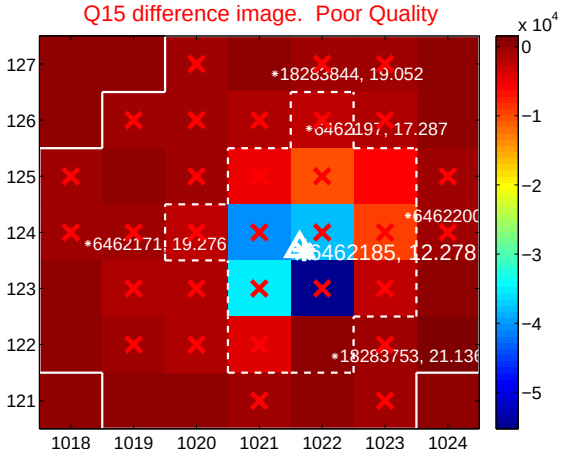


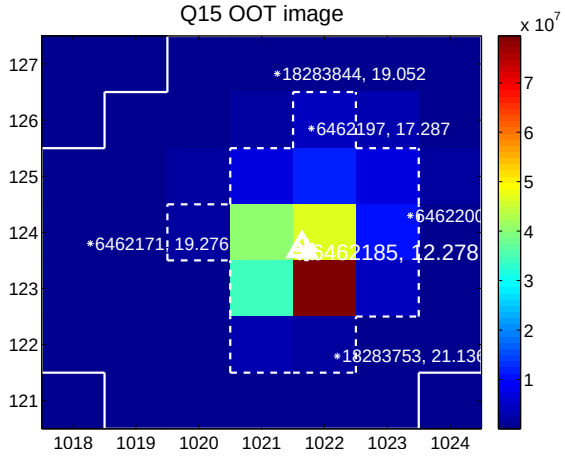


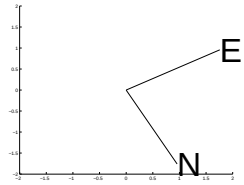


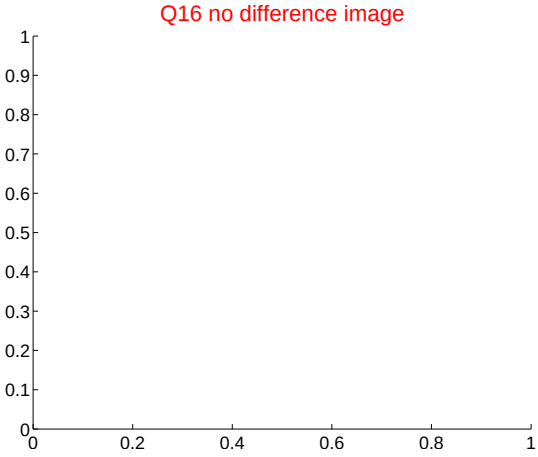


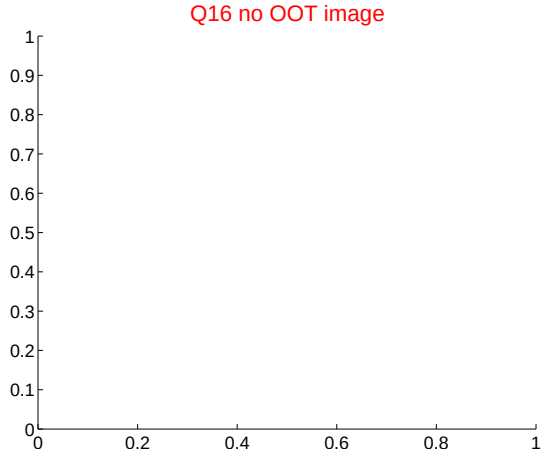


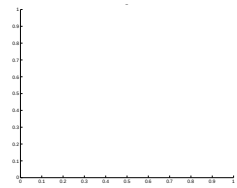




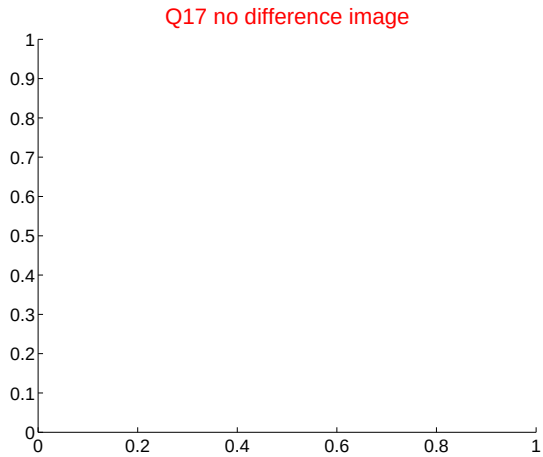


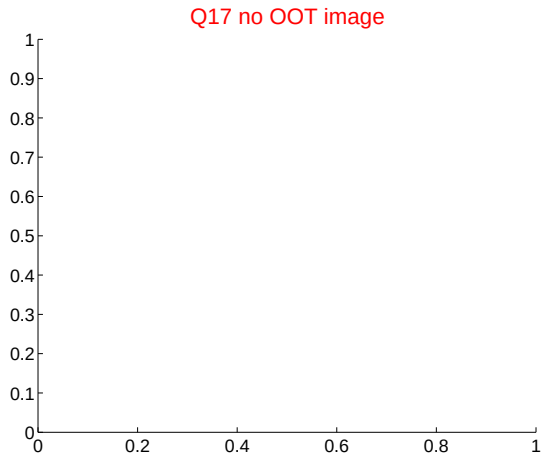


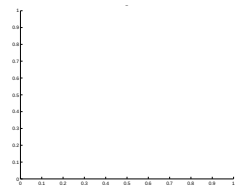


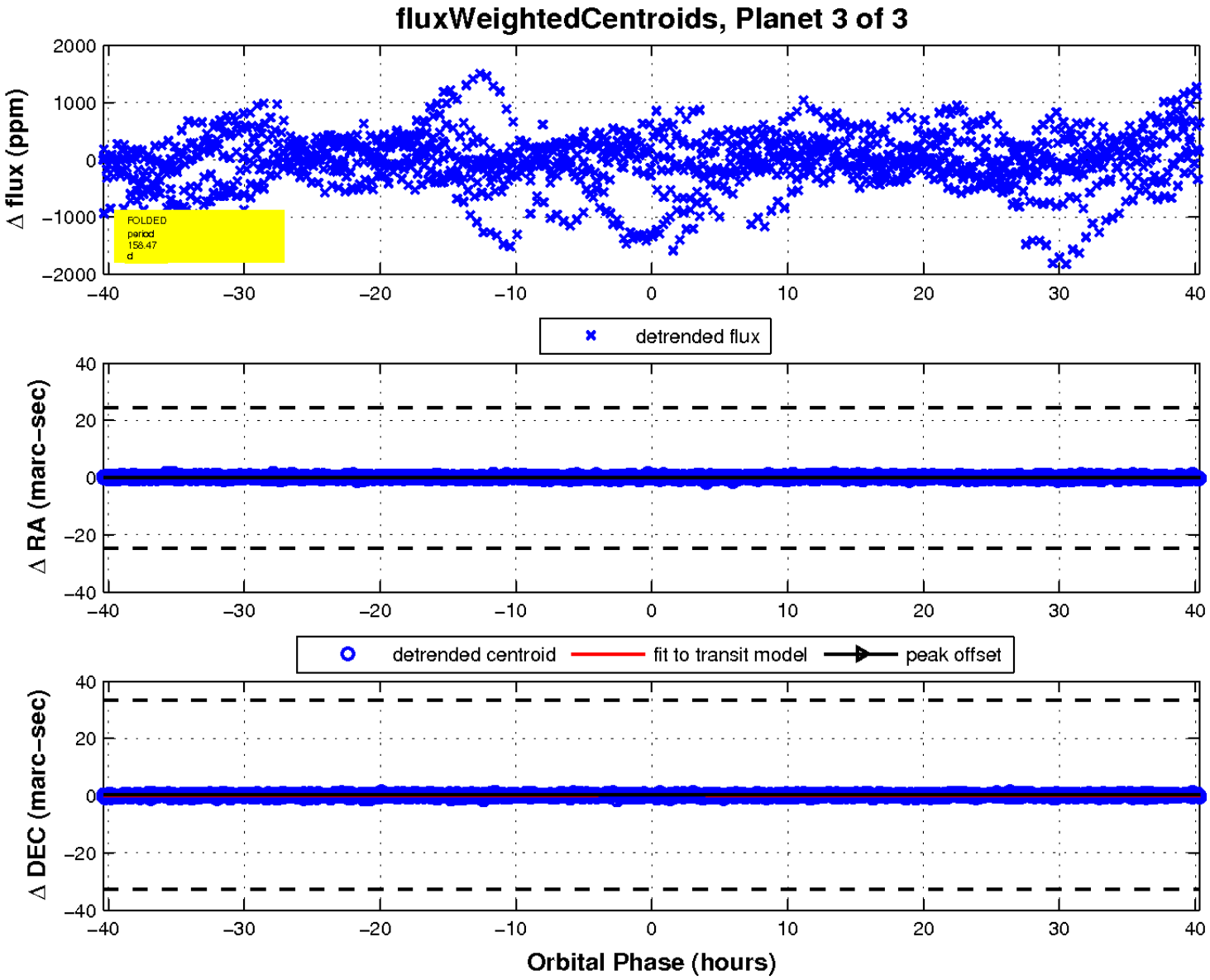
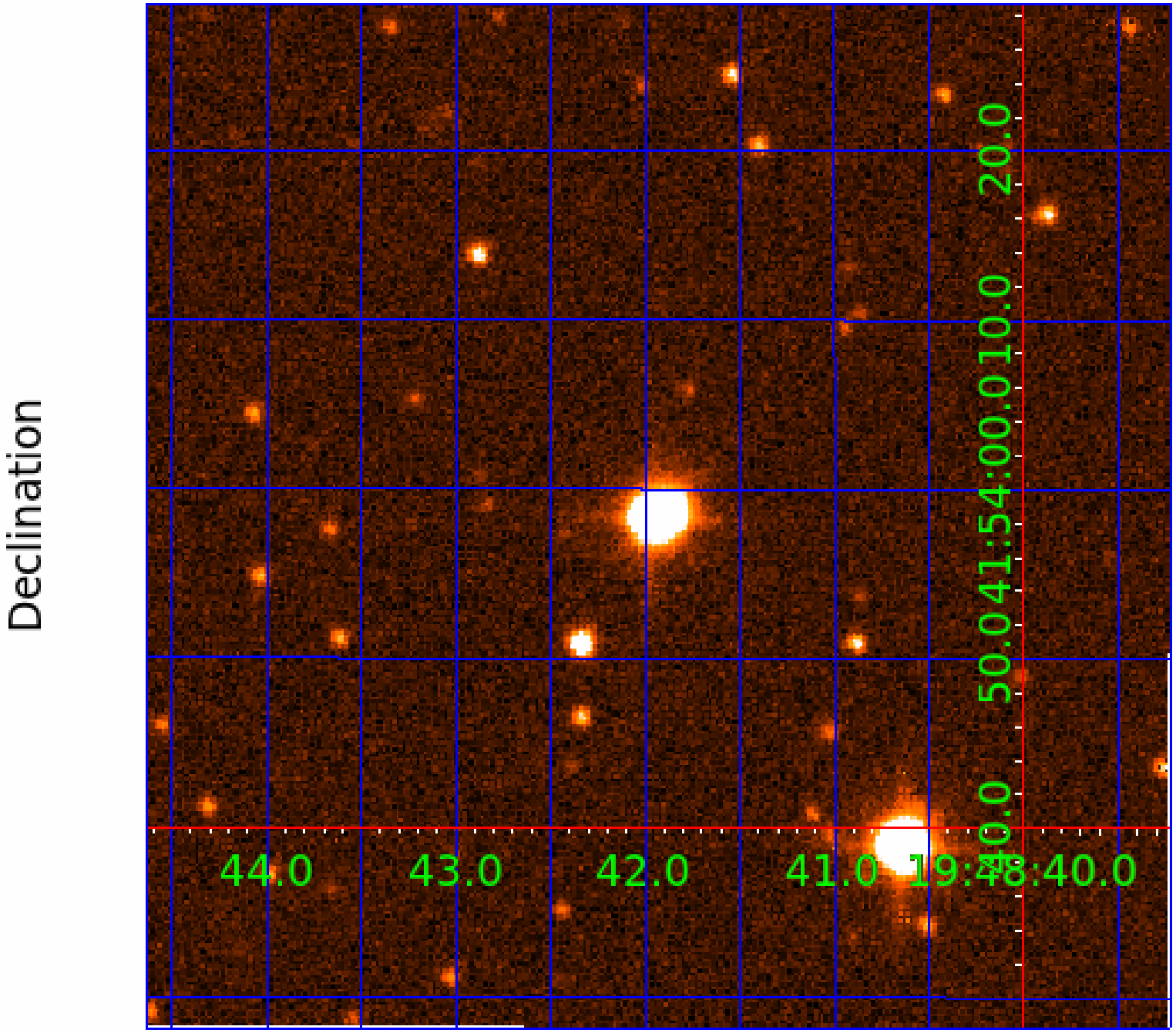


white ×: KIC target position; +: OOT centroid; △: difference centroid. red ×: large negative pixel value.









UKIRT Image