

KIC 006763132

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})
006763132-01	OBS	No	0.587785	131.579944	1043.0	2.000	310.7	-1.0	2.87	8009	9.38	107789.00

Robovetter Results

TCE	Run Type	Disp	Score	N	S	C	E	Comments
006763132-01	OBS	FP	0.00	1	0	0	0	SWEET_NTL—LPP_DV—LPP_ALT—CENT_NOFITS

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

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

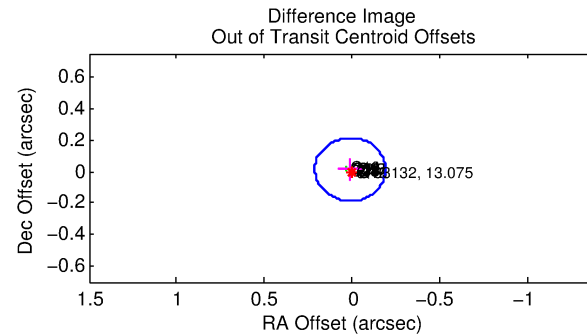
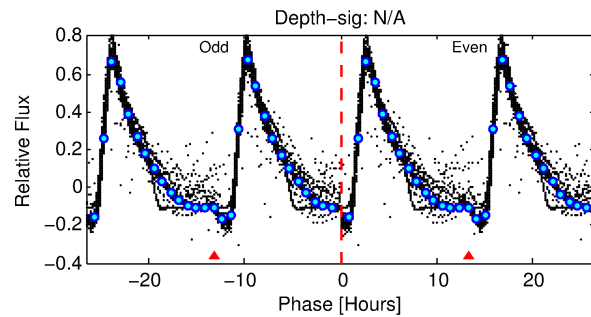
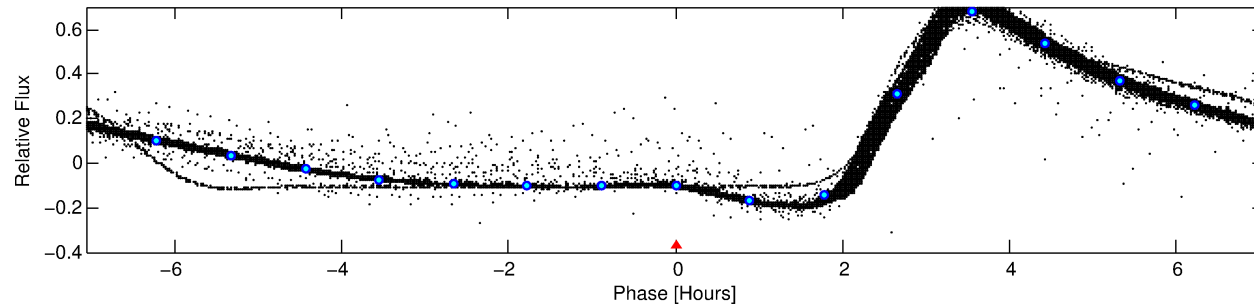
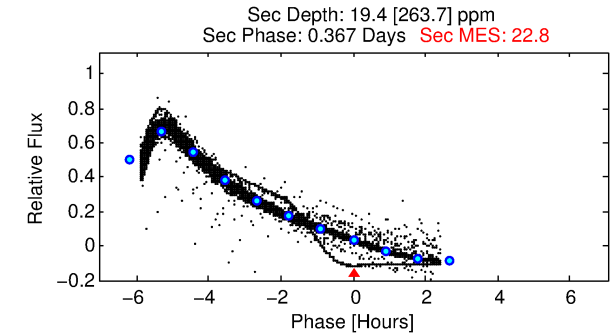
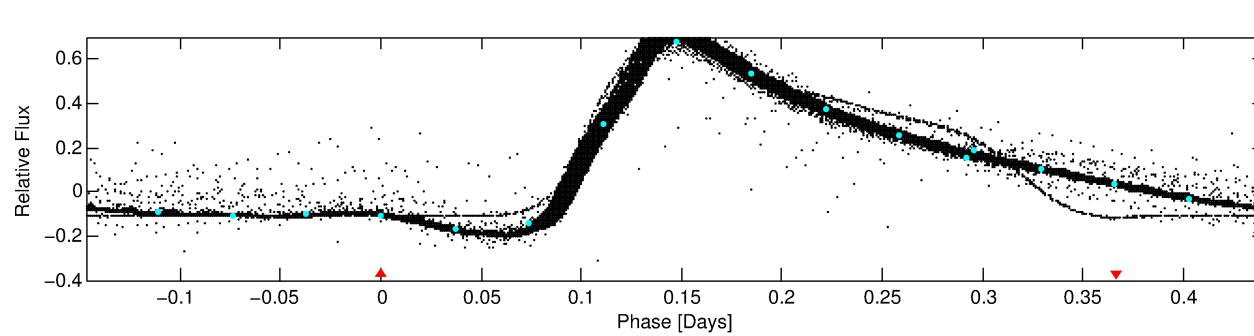
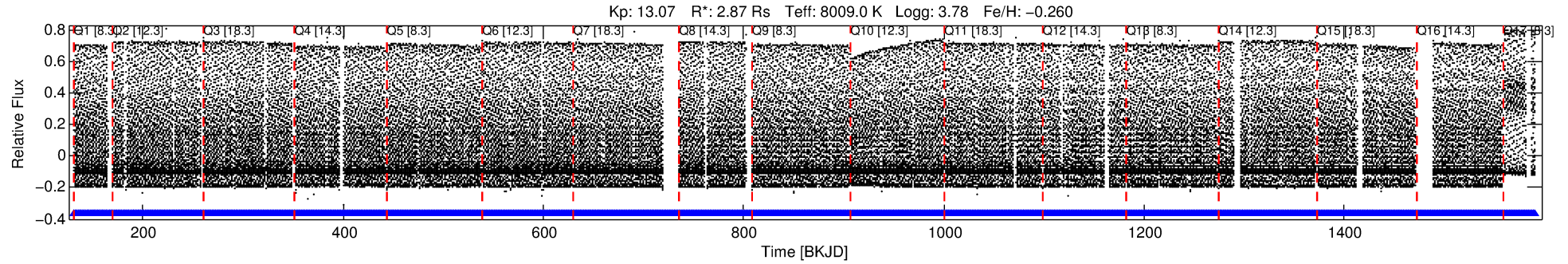
See http://exoplanetarchive.ipac.caltech.edu/docs/API_kepcandidate_columns.html#proj_disp_col for comment definitions.

Ephemeris Match Information For 006763132-01

No Significant Match Found

DV One-Page Summary

KIC: 6763132 Candidate: 1 of 1 Period: 0.588 d



TPS TCE Results:

Period = 0.58778 d
Epoch = 131.5799 BKJD

DV fit results are unavailable

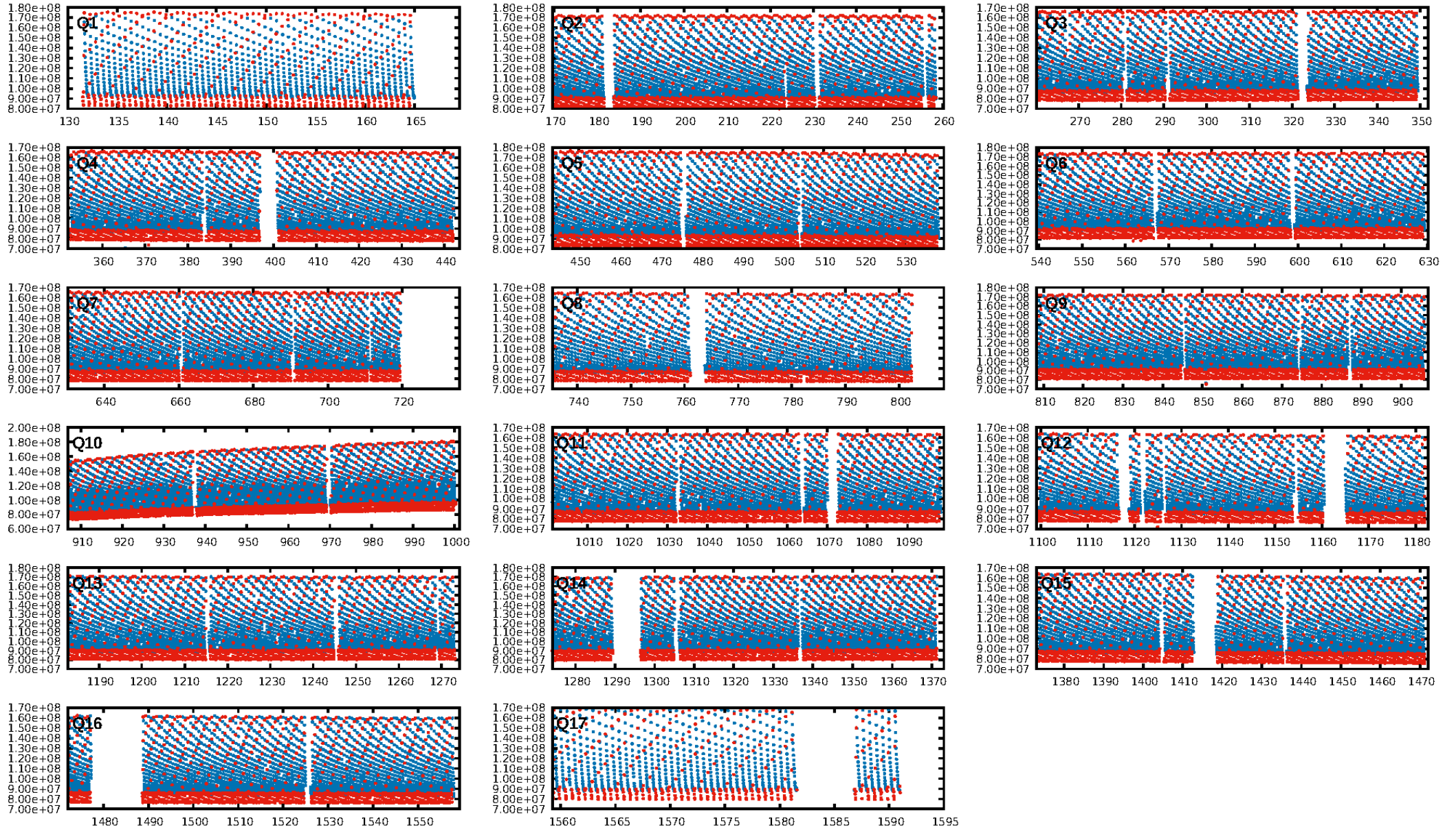
DV Diagnostic Results:

ShortPeriod-sig: N/A
LongPeriod-sig: N/A
ModelChiSquare2-sig: N/A
ModelChiSquareGof-sig: N/A
Bootstrap-pfa: 2.62e-91
RollingBand-fgt: 1.00 [2190/2190]
GhostDiagnostic-chr: N/A
Centroid-sig: N/A
Centroid-so: N/A
OotOffset-rm: 0.019 arcsec [0.28σ]
KicOffset-rm: 0.132 arcsec [1.95σ]
OotOffset-st: 4/4/4/5 [17]
KicOffset-st: 4/4/4/5 [17]
DiffImageQuality-fgm: 1.00 [17/17]
DiffImageOverlap-fno: 1.00 [17/17]

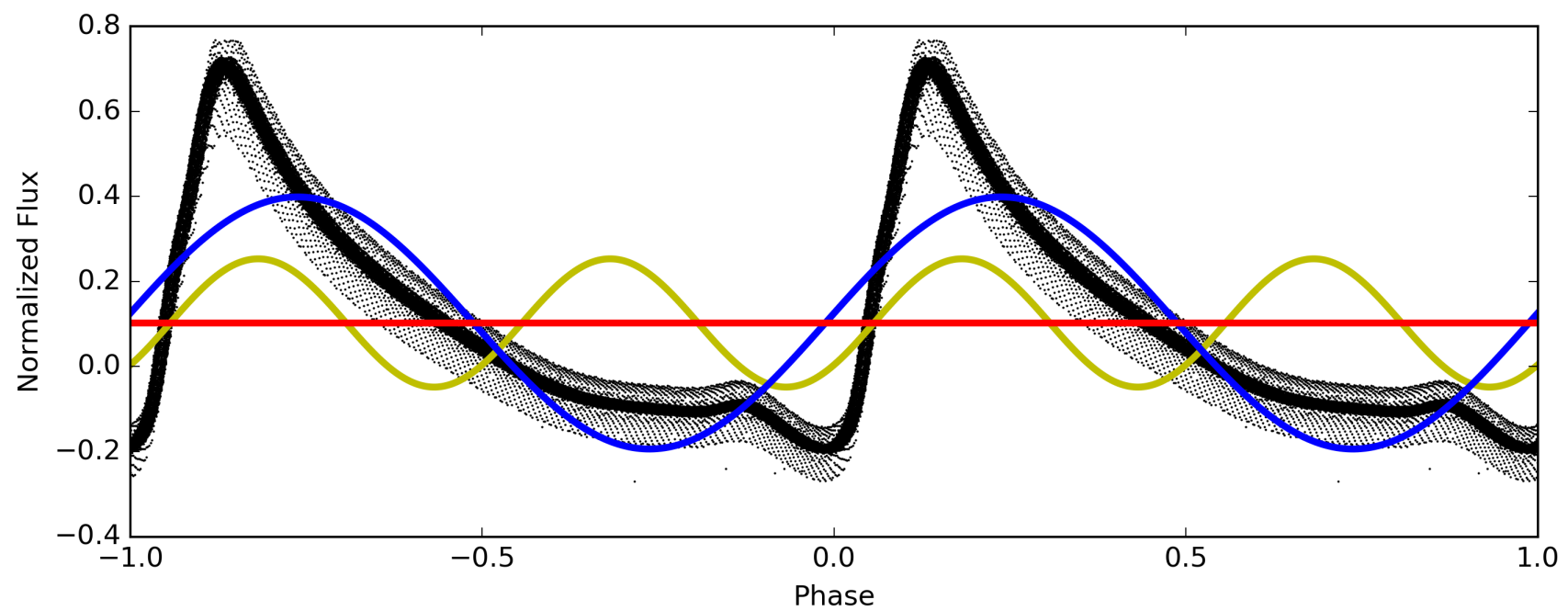
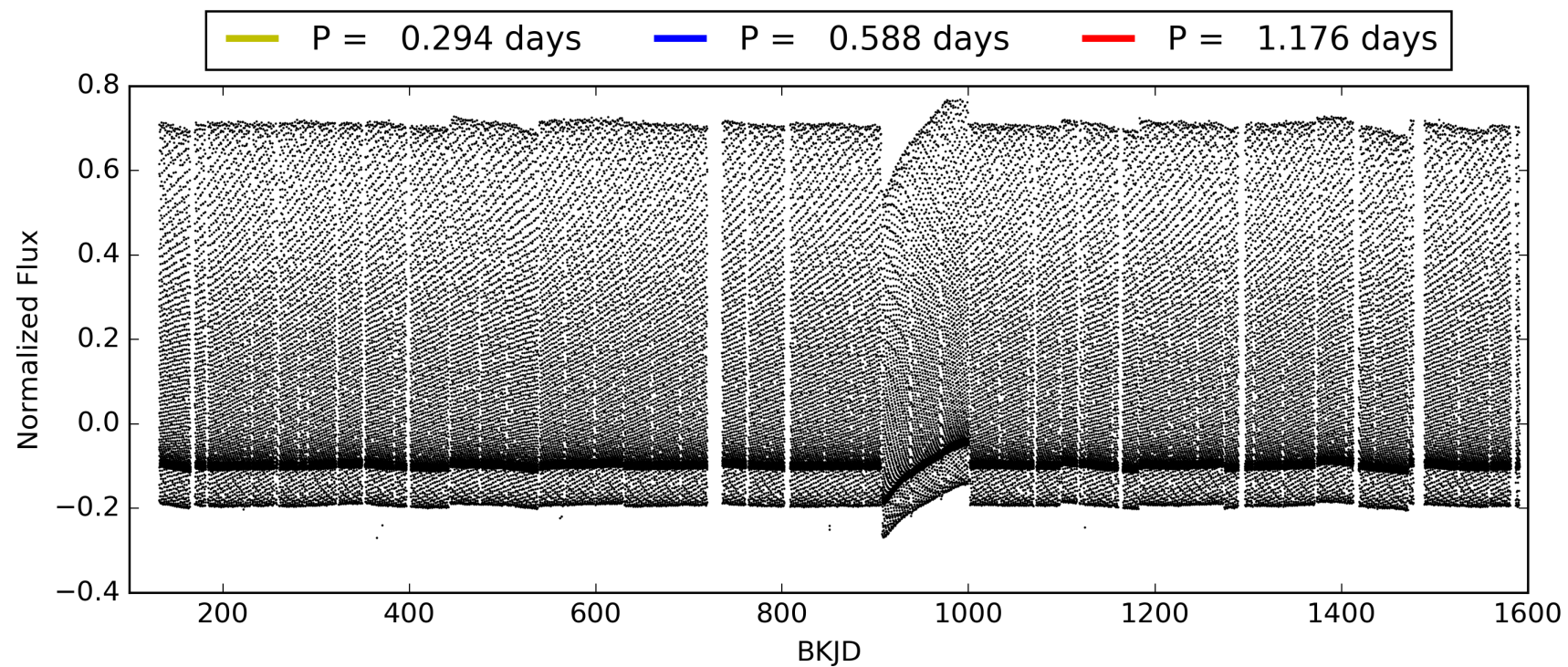
Software Revision: svn+ssh://murzim/repo/soc/tags/release/9.3.42@60958 -- Date Generated: 01-Feb-2016 14:18:24 Z

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

TCE 006763132-01, PDC Light Curves

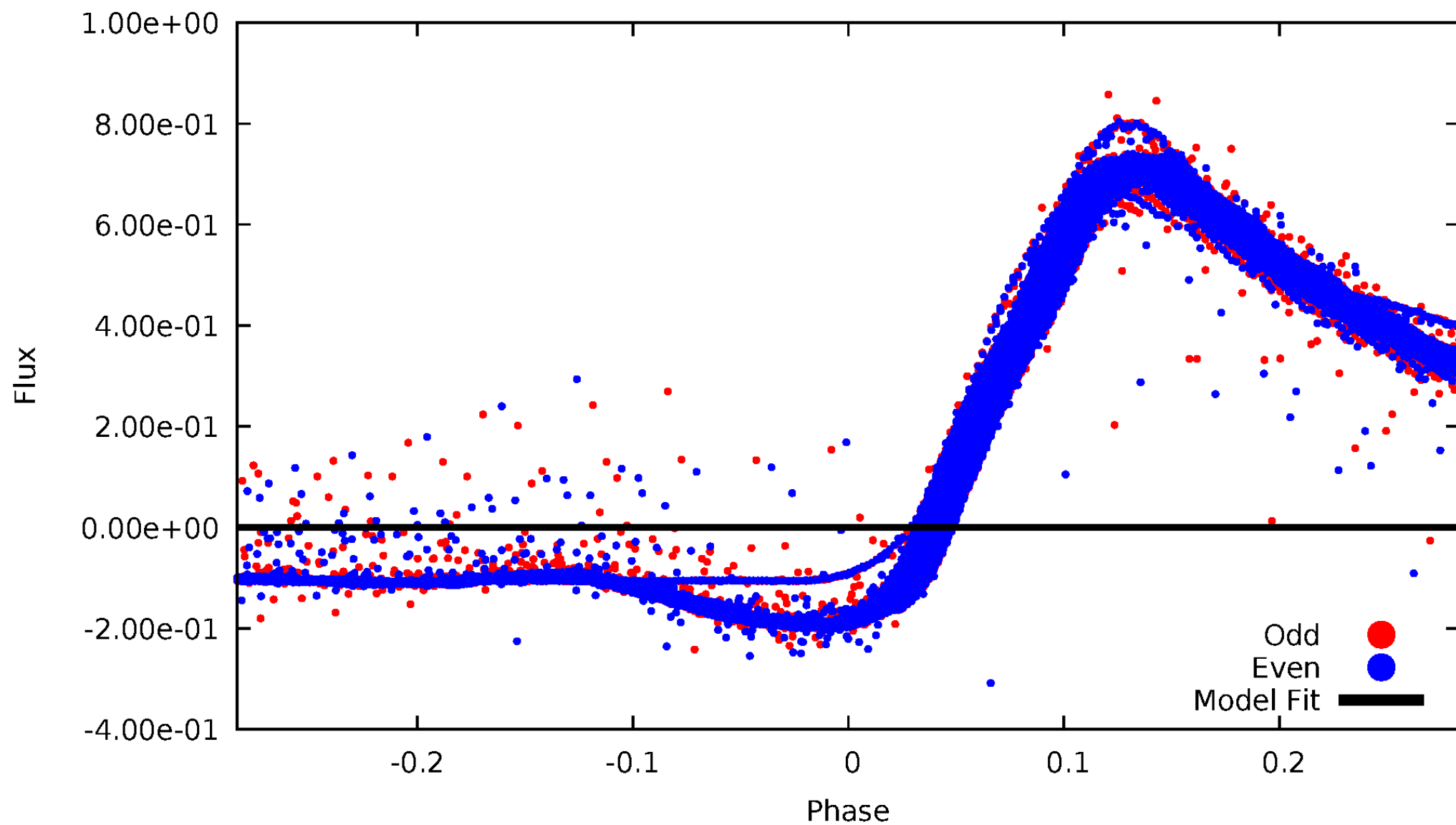


TCE 006763132-01



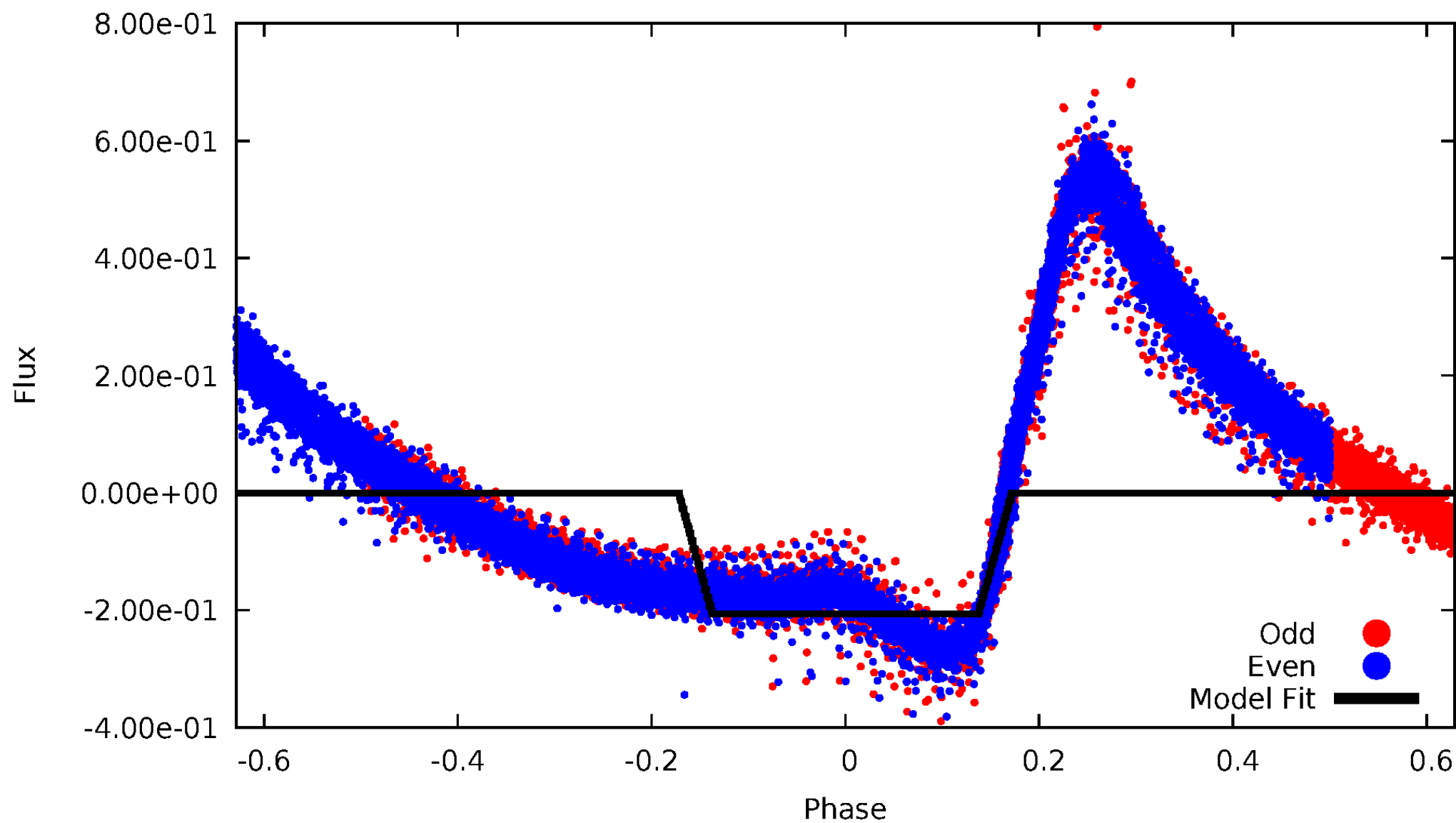
DV Odd/Even

TCE 006763132-01



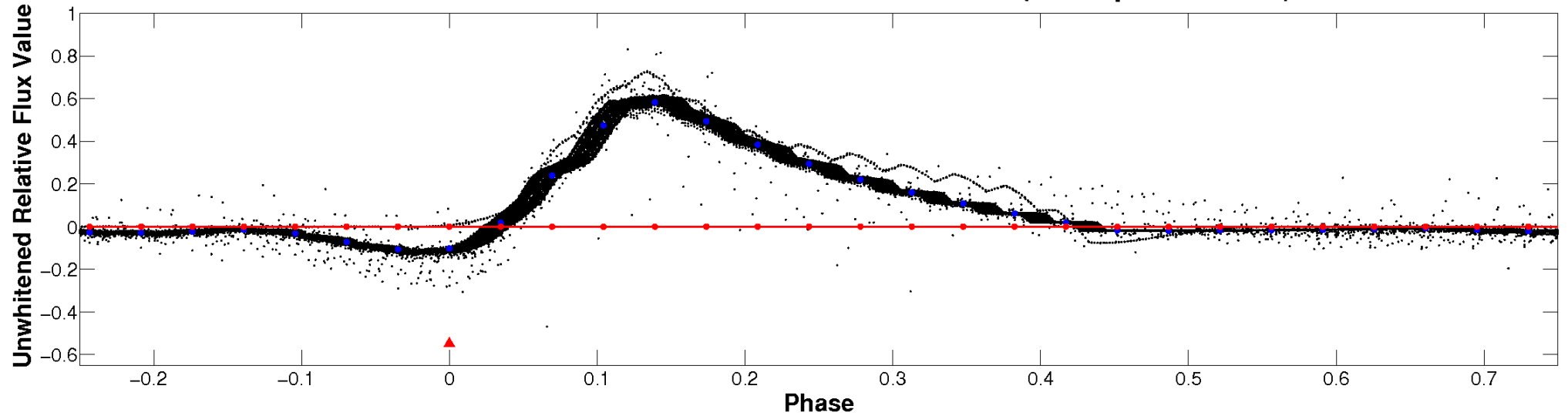
ALT Odd/Even

TCE 006763132-01

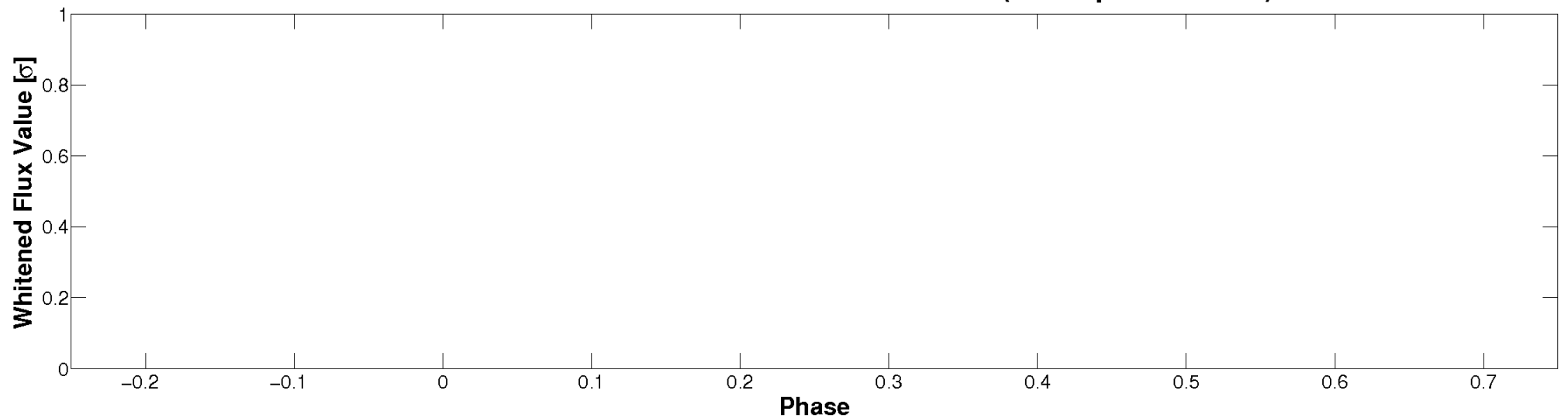


Non-Whitened Vs. Whitened Light Curve

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

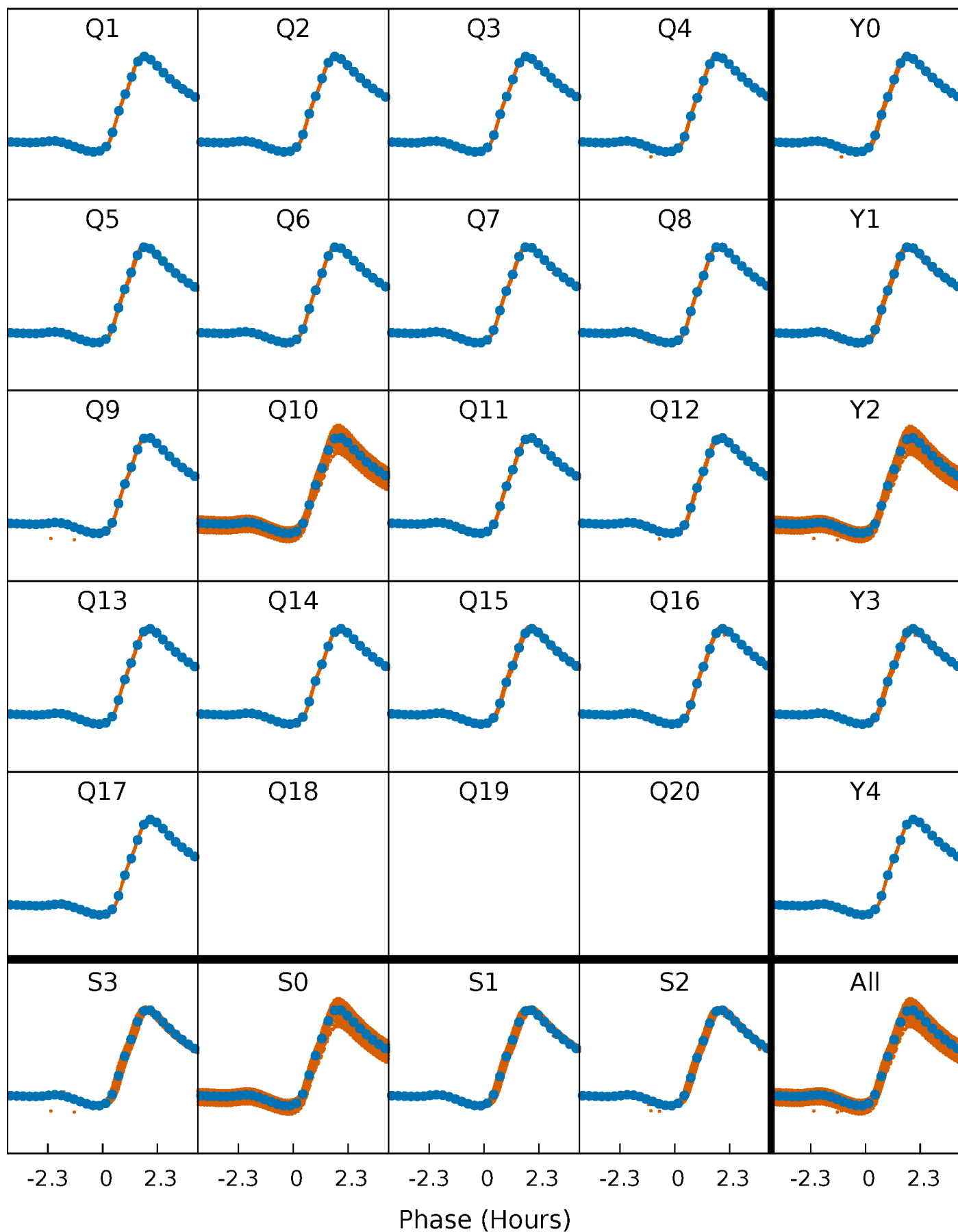


Planet 1 : Phased Whitened Flux Time Series (TPS Epoch/Period)



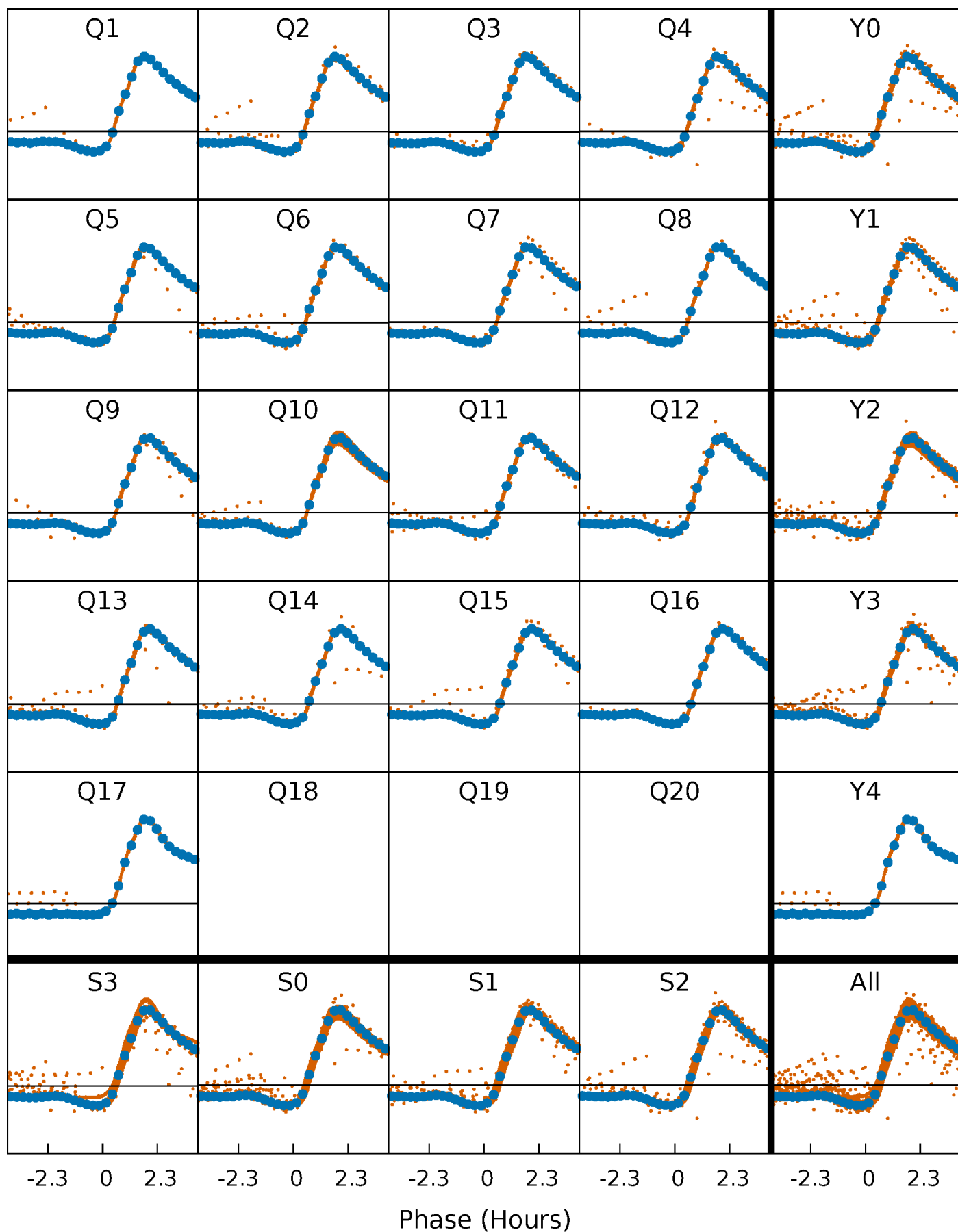
PDC Quarter-Phased Transit Curves

TCE 006763132-01 P= 0.587785 Days $T_0=131.579944$ (BKJD)



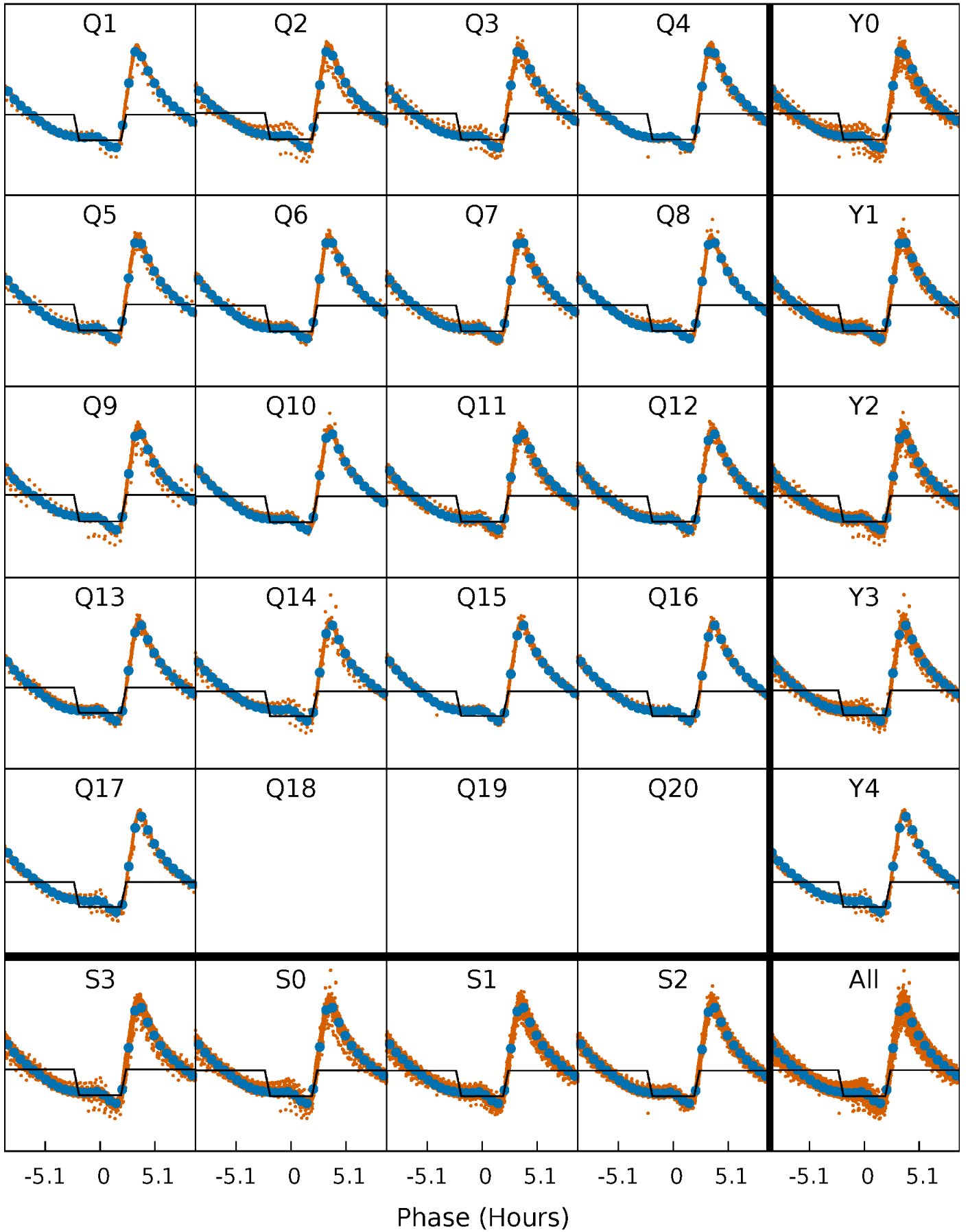
DV Quarter-Phased Transit Curves

TCE 006763132-01 P= 0.587785 Days $T_0=131.579944$ (BKJD)



Alt. Detrend Quarter-Phased Transit Curves

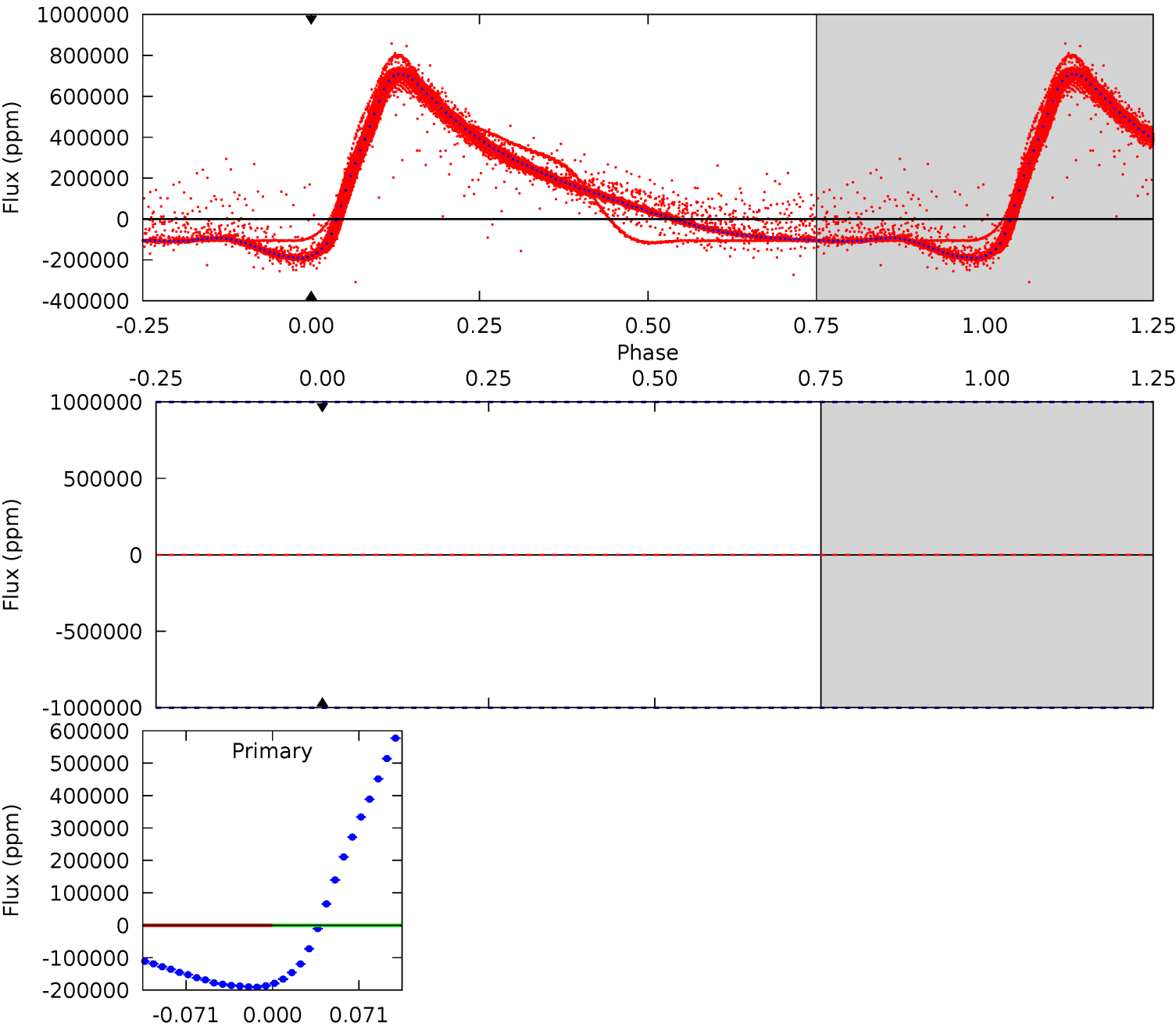
TCE 006763132-01 P= 0.587785 Days $T_0=131.510880$ (BKJD)



DV Model-Shift Uniqueness Test

006763132-01, P = 0.587785 Days, E = 130.992159 Days

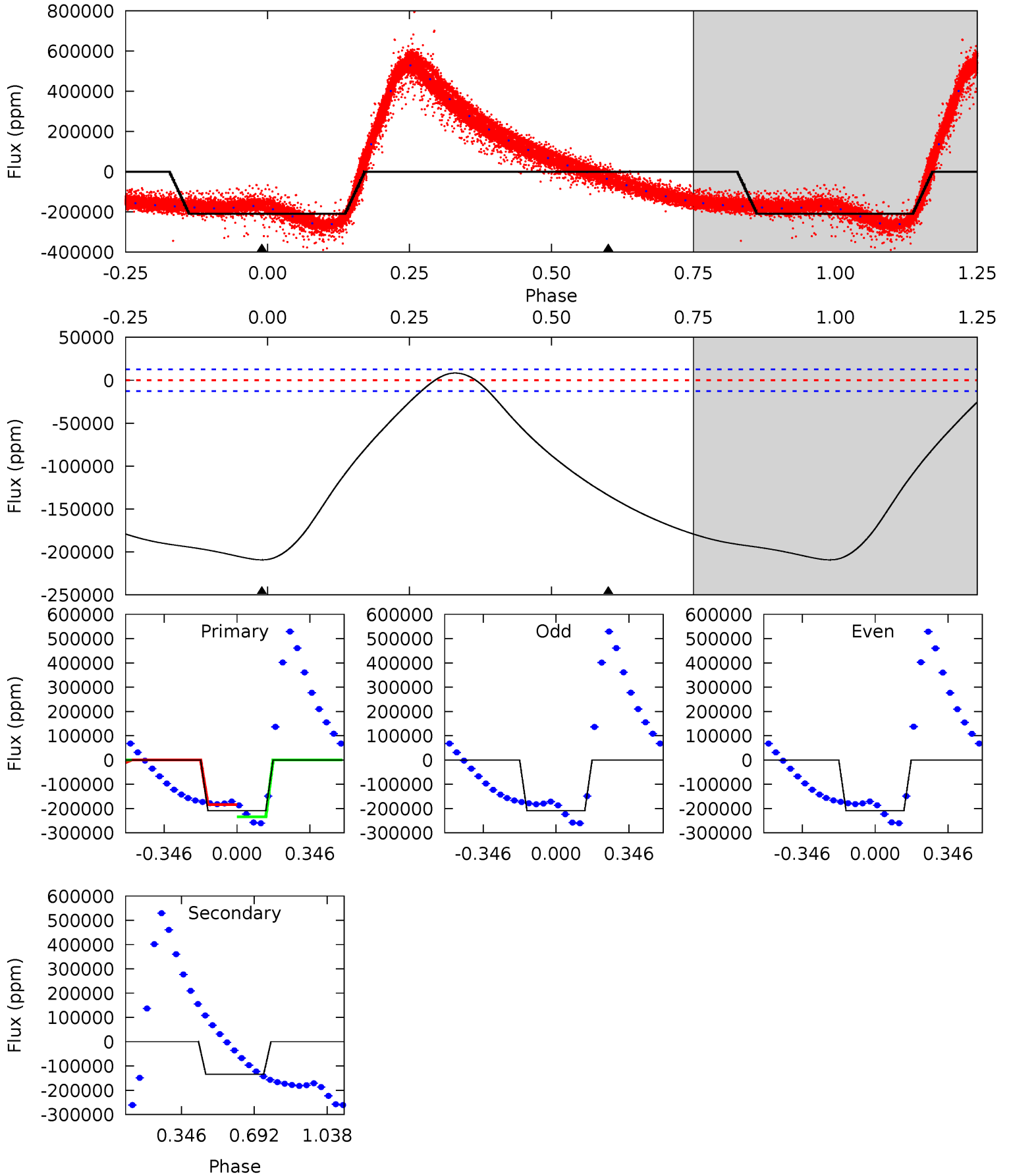
Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
0	0	0	0	1.00	1.00	1.00	0	0	0	0	0	0	0	0



Alt Model-Shift Uniqueness Test

006763132-01, P = 0.587785 Days, E = 131.510880 Days

Pri	Sec	Ter	Pos	FA ₁	FA ₂	F _{Red}	Pri-Ter	Pri-Pos	Sec-Ter	Sec-Pos	Odd-Evn	DMM	Shape	TAT
71.0	45.5	0	0	4.30	0.94	4.00	71.0	71.0	45.5	45.5	0.07	0.99	0.04	9.82



Stellar Parameters For KIC 006763132

	$T_{\text{eff}}(K)$	$\log(g)$	[Fe/H]	R (R_{\odot})	$M(M_{\odot})$	p_{\star} ($\text{g}\cdot\text{cm}^{-3}$)
	8009^{+223}_{-335}	$3.784^{+0.399}_{-0.070}$	$-0.260^{+0.200}_{-0.300}$	$2.874^{+0.314}_{-1.256}$	$1.834^{+0.094}_{-0.377}$	$0.109^{+0.385}_{-0.026}$
	+3%/-4%	+11%/-2%	+77%/-115%	+11%/-44%	+5%/-21%	+354%/-24%
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 006763132-01 / KOI

Detrend	Depth (ppm)	R_p (R_{\oplus})	T_{max} (K)	T_{obs} (K)	A_{obs}
DV	0 ± 1000000	$21.68^{+25.35}_{-15.17}$	6242^{+413}_{-645}	4601^{+46807}_{-44431}	$0.487^{+64.048}_{-55.574}$
Alt.	-133980 ± 2946	$129.28^{+38.67}_{-37.91}$	6254^{+397}_{-694}	6857^{+1294}_{-958}	$1.426^{+1.446}_{-0.582}$

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 $A_{obs} \gg 1.0$

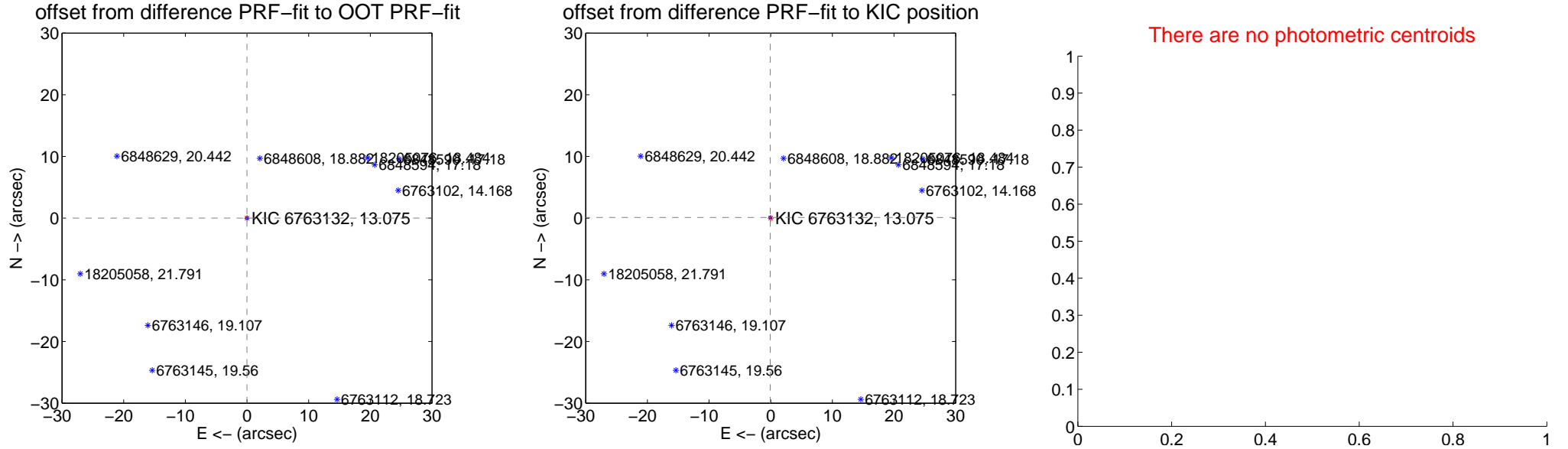
DV Centroid Data

Supplemental centroid analysis for 006763132-01. Kepler magnitude: 13.07. Transit SNR -1.00

There are 17 quarters with good PRF difference image offsets

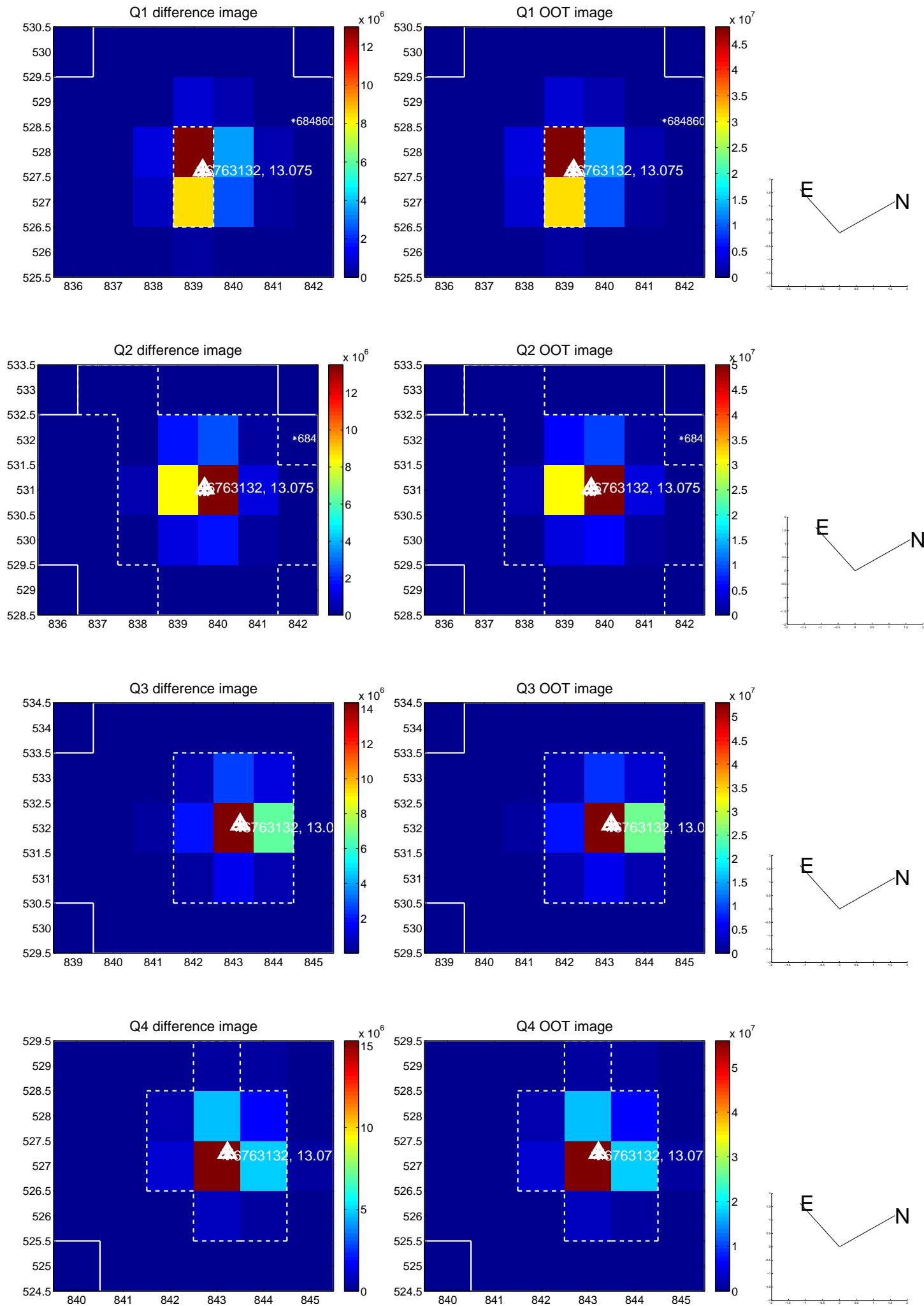
The direct PRF centroid is offset from the target star catalog position by about 0.15 arcsec

	Distance in arcsec	Distance / σ	Δ RA	Δ Dec
PRF-fit source offset from OOT	0.019 ± 0.067	0.28	0.012 ± 0.067	0.014 ± 0.067
PRF-fit source offset from KIC position	0.132 ± 0.068	1.95	0.080 ± 0.067	0.105 ± 0.068
photometric centroid source offset	—	—	—	—

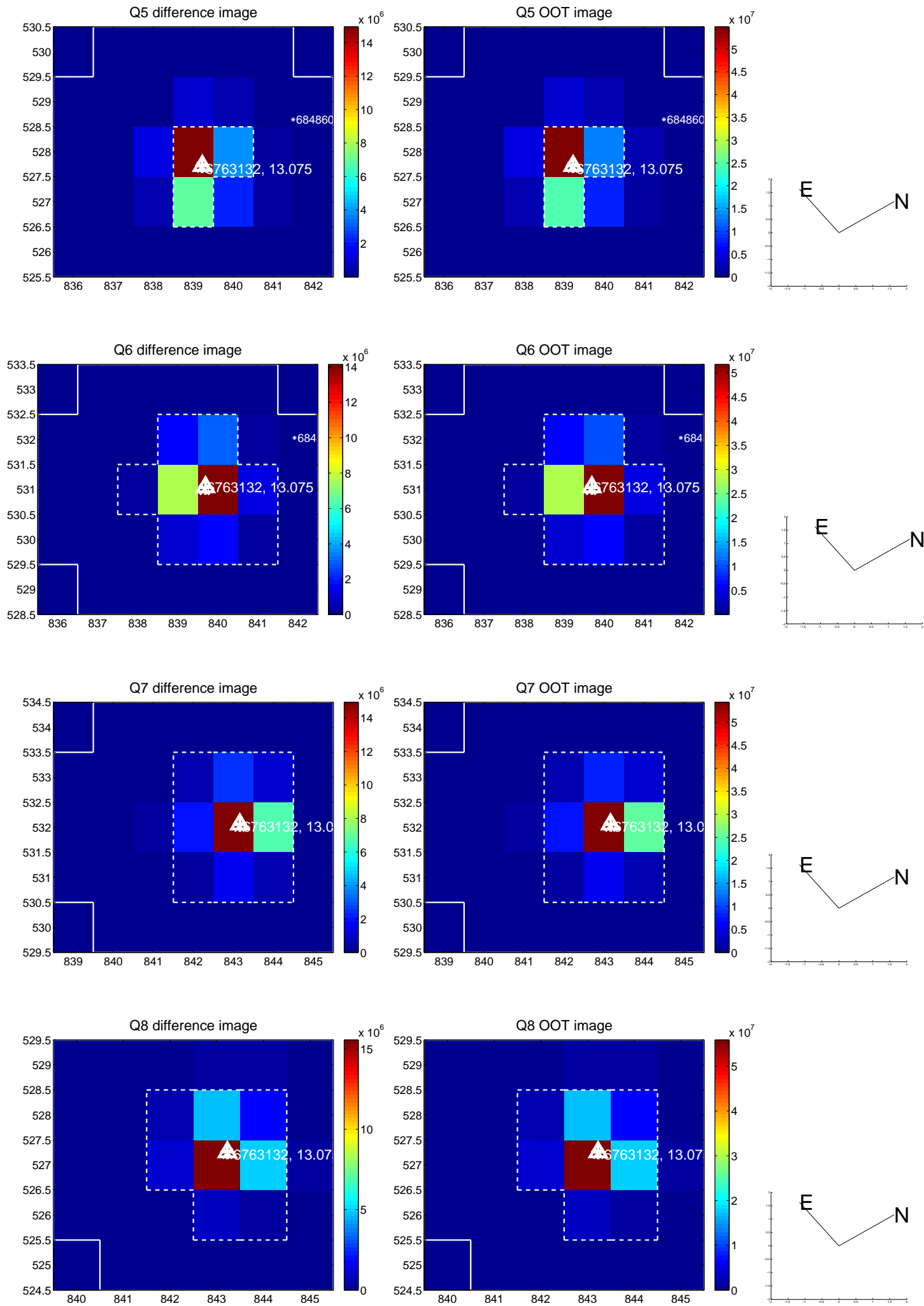


Centroid source offsets from the target star reconstructed from PRF and photometric centroids. Sky blue crosses: good quarterly centroid offsets; Vermillion crosses: bad quarterly centroid offsets; magenta cross: average over quarters. Length of the crosses: one- σ uncertainty. Blue circle: three- σ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

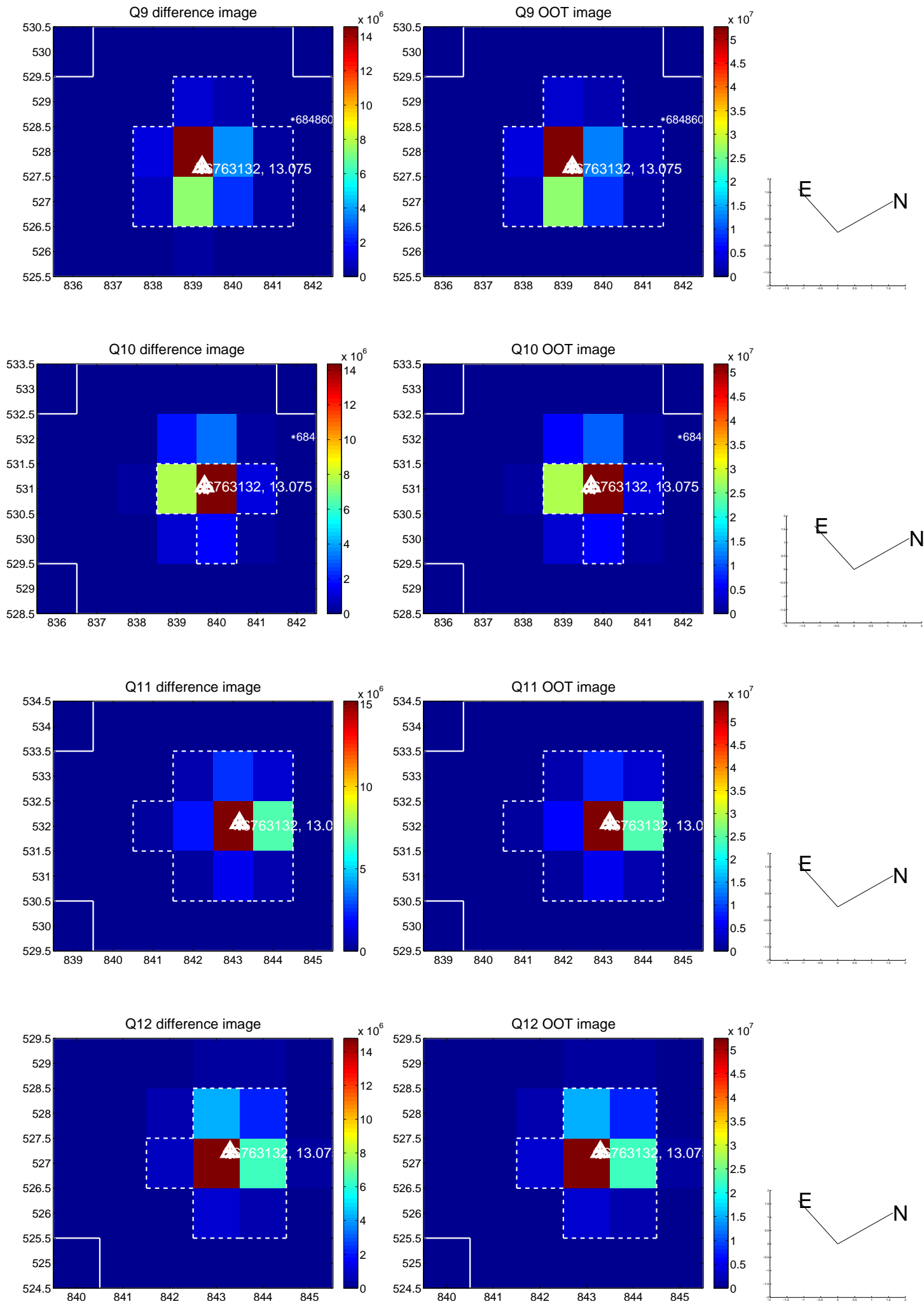
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



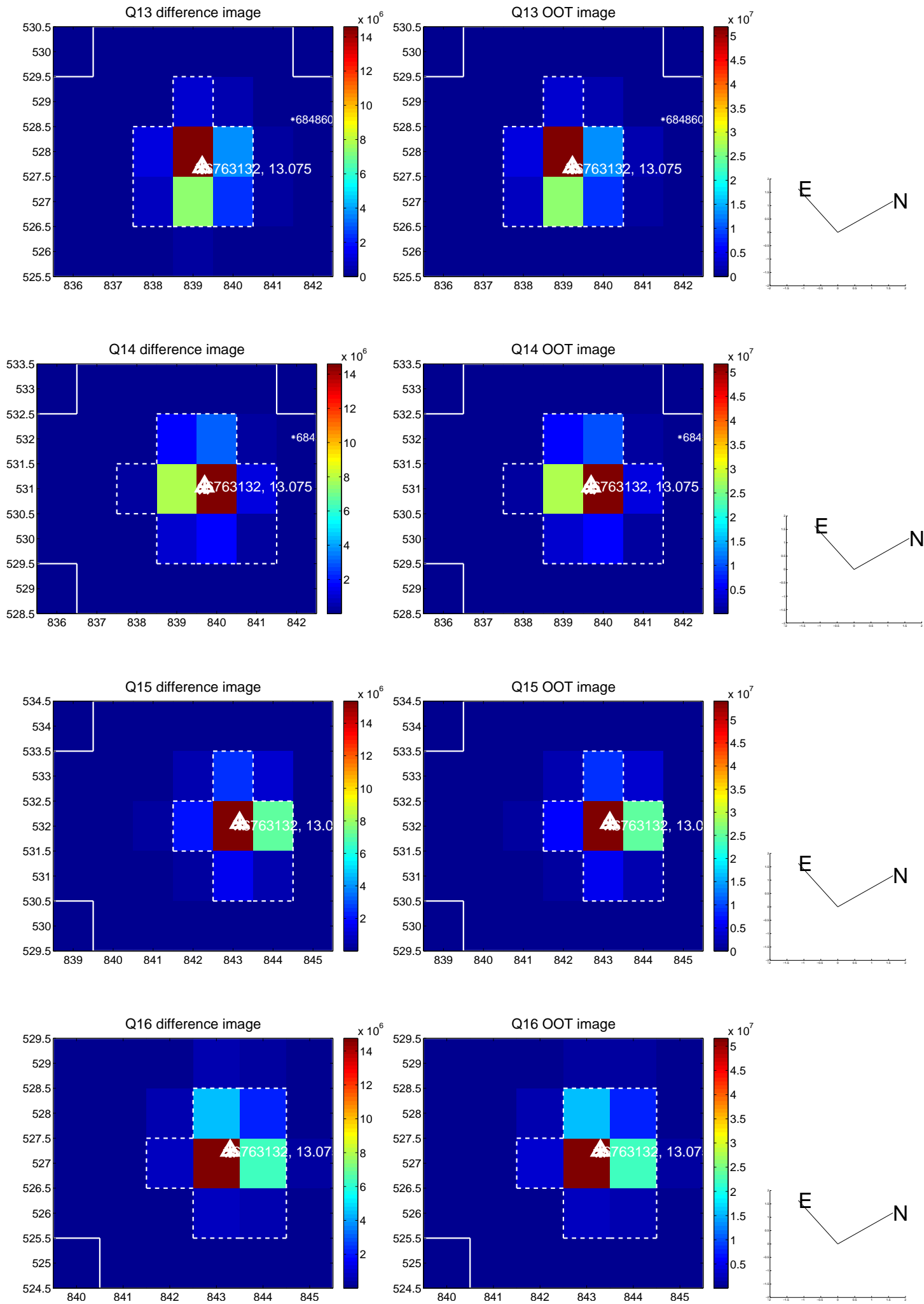
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



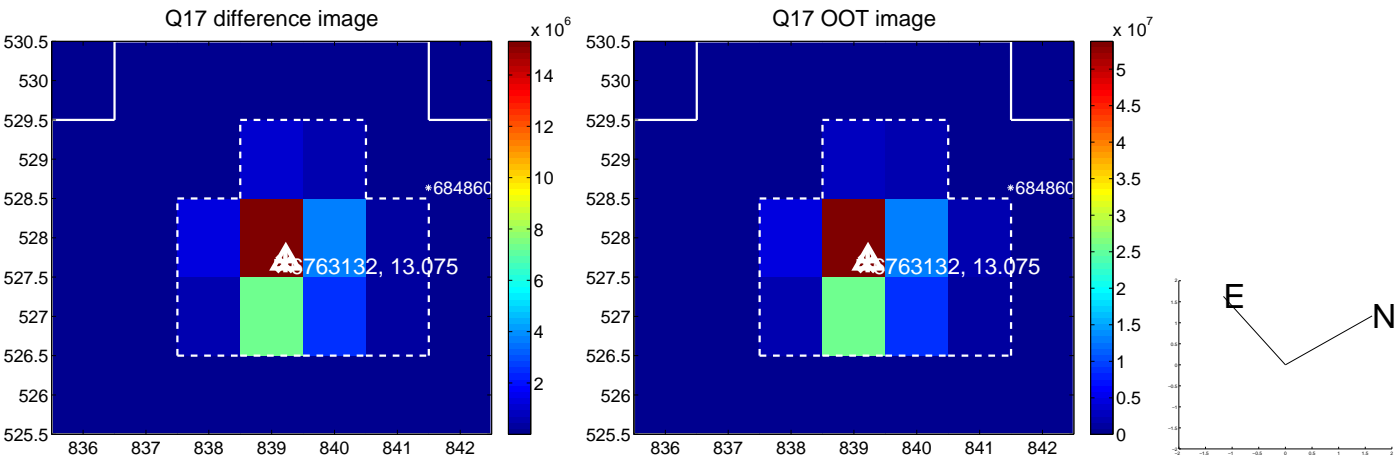
white \times : KIC target position; +: OOT centroid; \triangle : difference centroid. red \times : large negative pixel value.



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



folded centroid time series figure for this object.

UKIRT Image

Declination

