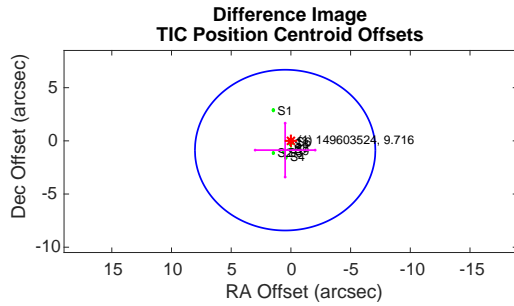
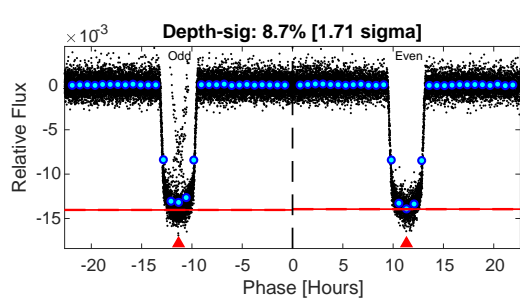
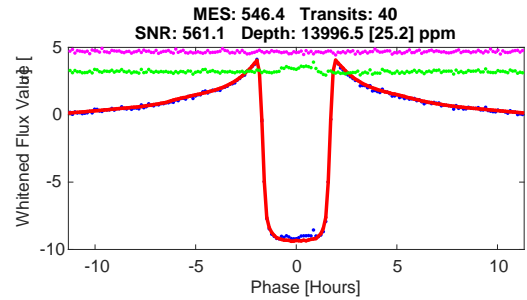
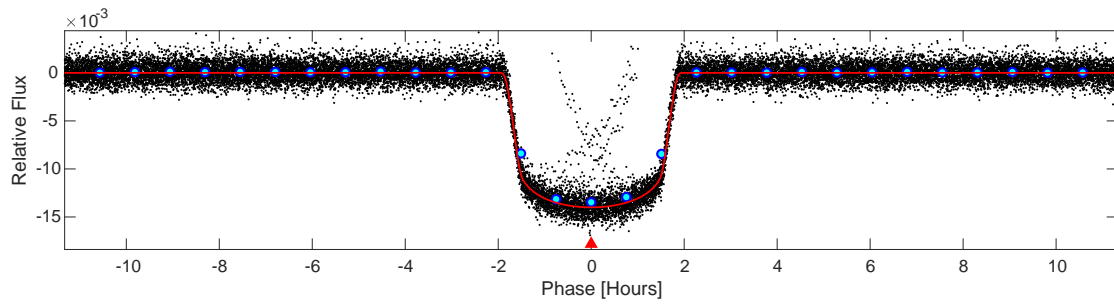
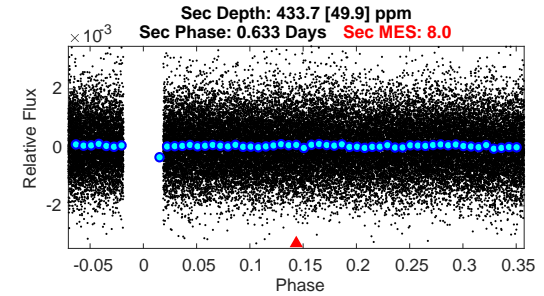
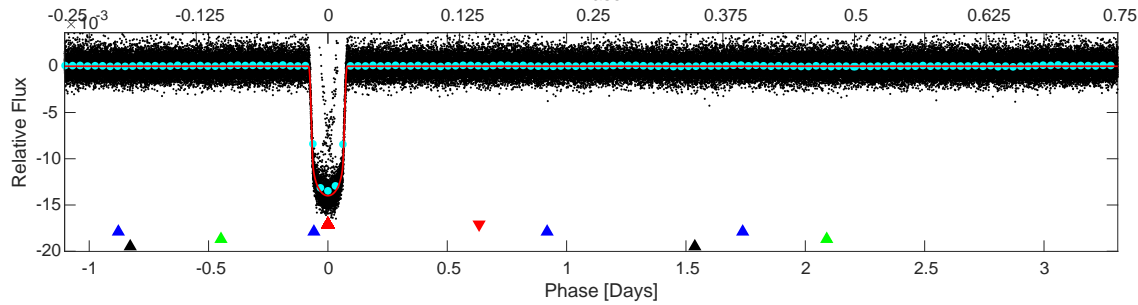
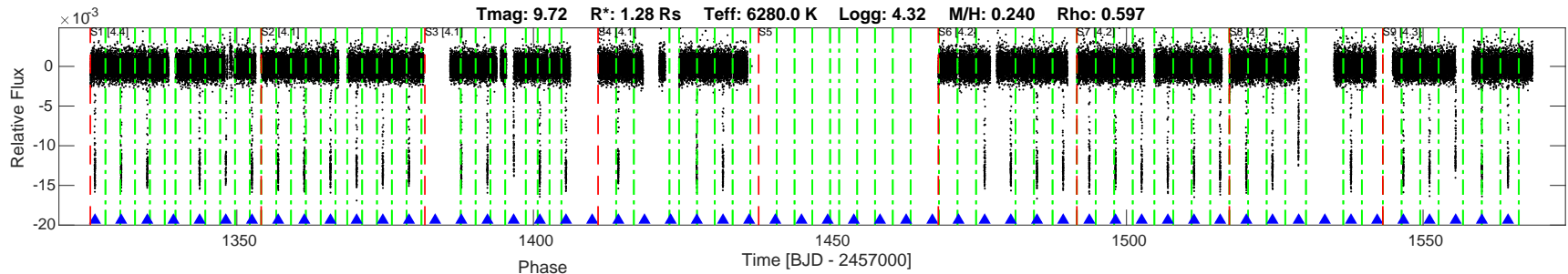


TIC: 149603524 Candidate: 1 of 4 Period: 4.412 d  
TOI: 102.01 Corr: 0.997

Tmag: 9.72 R\*: 1.28 Rs Teff: 6280.0 K Logg: 4.32 M/H: 0.240 Rho: 0.597



DV Fit Results:

Period = 4.41194 [0.00000] d  
Epoch = 1326.0788 [0.0001] BTJD  
Rp/R\* = 0.1103 [0.0002]  
a/R\* = 9.93 [0.08]  
b = 0.01 [0.75]  
Seff = 708.77 [0.00]  
Teq = 1316 [0] K  
Rp = 15.41 [0.03] Re  
a = 0.0568 [0.0000] AU  
Rho = 0.676 [0.017]  
Ag = 3.24 [0.37] [6.00 sigma]  
Tp = 2729 [79] K [17.98 sigma]

DV Diagnostic Results:

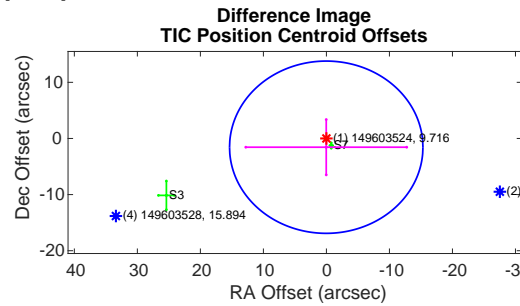
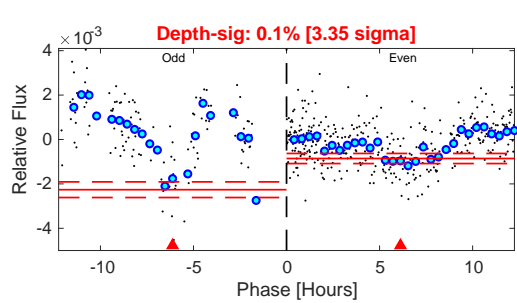
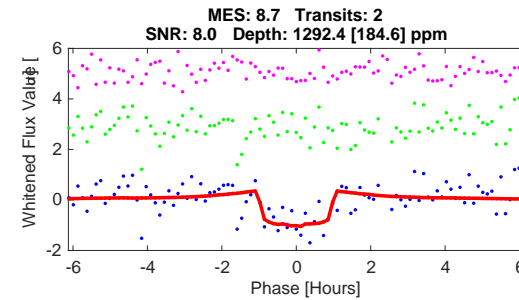
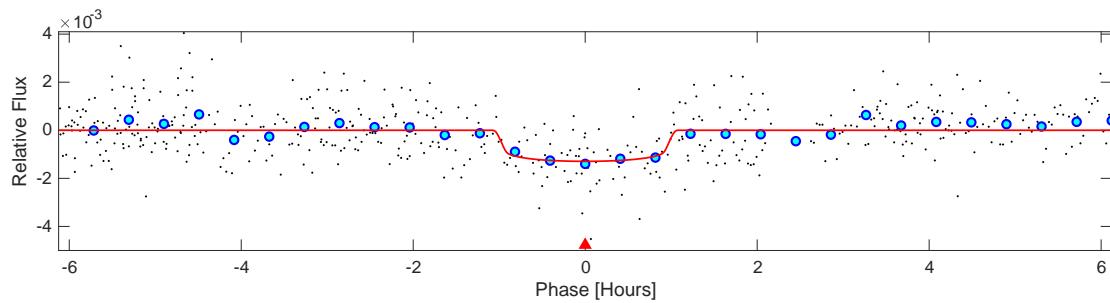
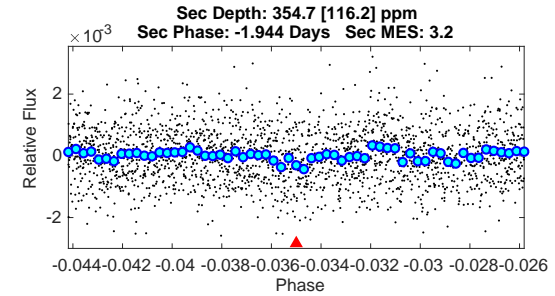
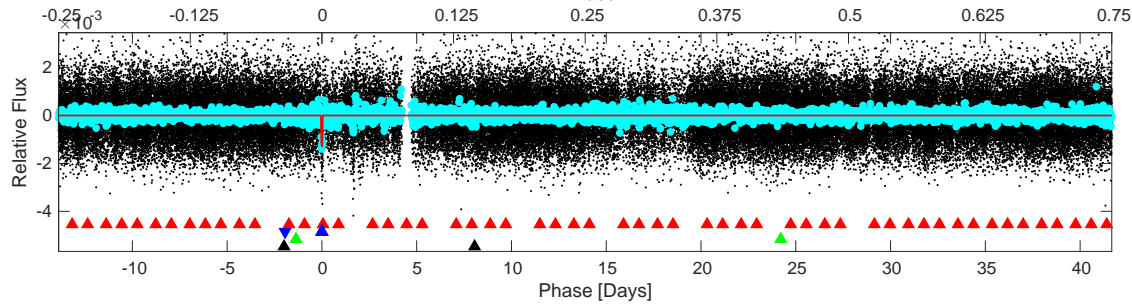
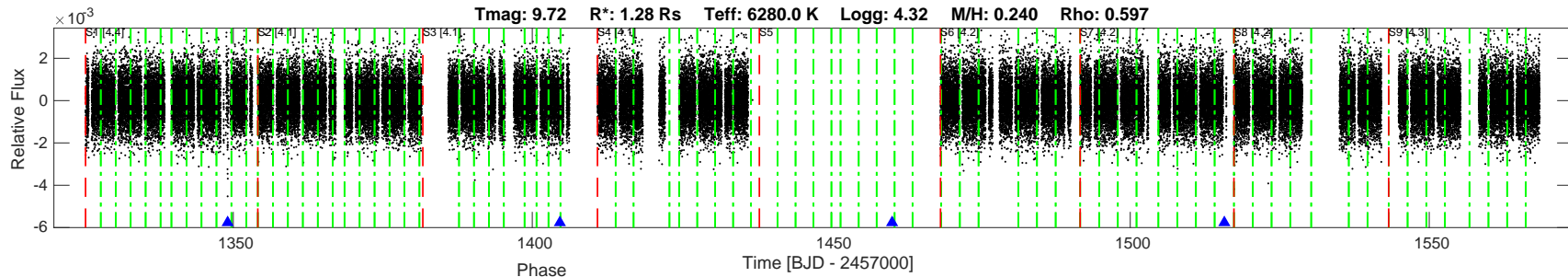
ShortPeriod-sig: N/A  
LongPeriod-sig: 100.0% [286.01 sigma]  
ModelChiSquare2-sig: 67.1%  
ModelChiSquareGof-sig: 100.0%  
Bootstrap-pfa: 0.00e+00  
GhostDiagnostic-chr: 4.005  
OotOffset-rm: 0.155 arcsec [0.06 sigma]  
TicOffset-rm: 0.995 arcsec [0.40 sigma]  
OotOffset-tot: 8  
TicOffset-tot: 8  
DiffImageQuality-fgm: 1.00 [8/8]  
DiffImageOverlap-fno: 1.00 [8/8]

Software Revision: spoc-3.3.65-20190425 -- Date Generated: 05-May-2019 22:53:43 Z

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

TIC: 149603524 Candidate: 2 of 4 Period: 55.559 d  
 TOI: 102 Corr: No Ephemeris Match

Tmag: 9.72 R\*: 1.28 Rs Teff: 6280.0 K Logg: 4.32 M/H: 0.240 Rho: 0.597



DV Fit Results:

Period = 55.55884 [0.00499] d  
 Epoch = 1349.0568 [0.0045] BTJD  
 Rp/R\* = 0.0337 [0.0233]  
 a/R\* = 207.64 [886.40]  
 b = 0.27 [14.92]  
 Seff = 24.19 [0.00]  
 Teq = 566 [0] K  
 Rp = 4.71 [3.26] Re  
 a = 0.3072 [0.0000] AU  
 Rho = 38.962 [498.990]  
 Ag = 831.04 [1181.49] [0.70 sigma]  
 Tp = 4696 [1669] K [2.47 sigma]

DV Diagnostic Results:

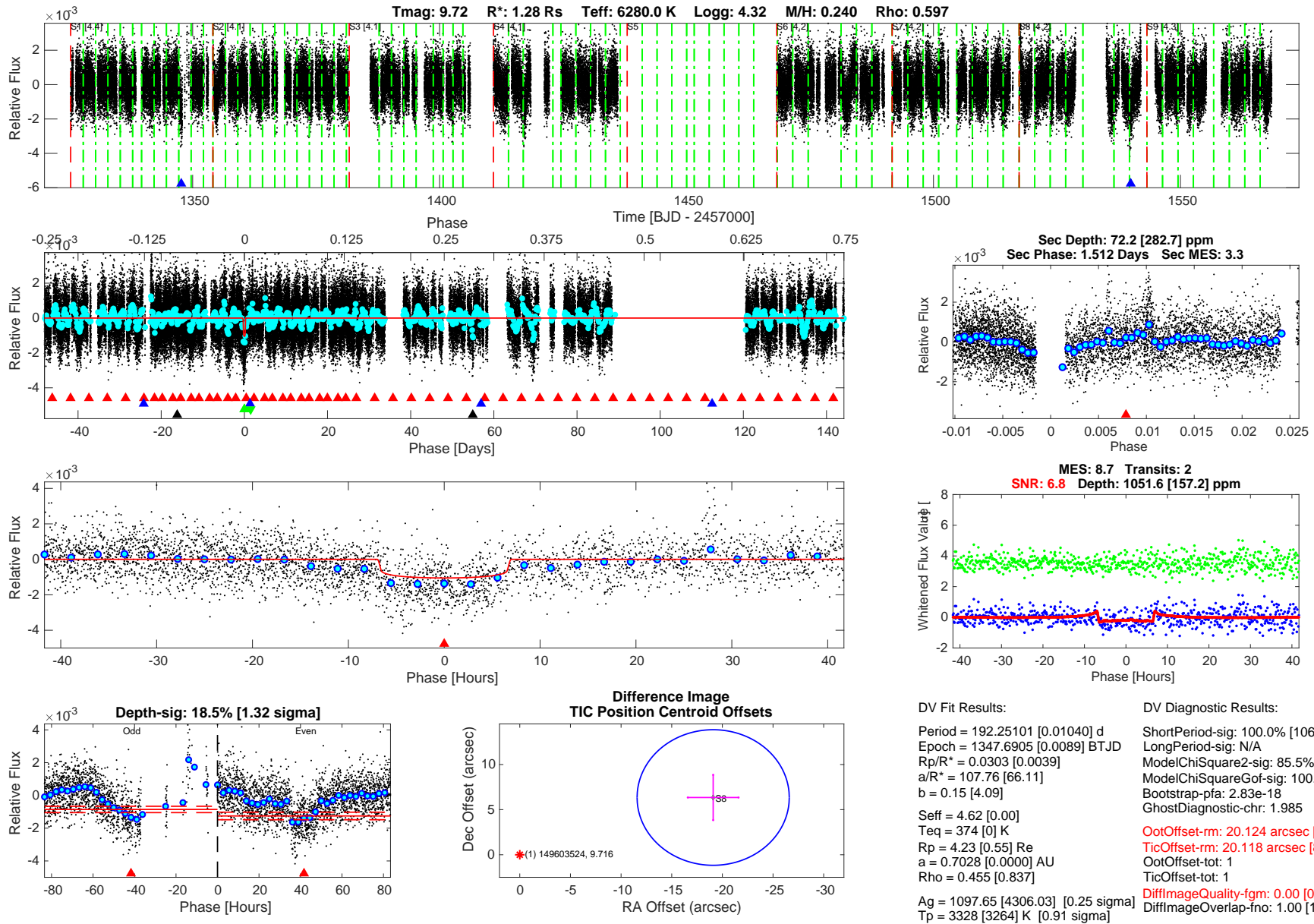
ShortPeriod-sig: 100.0% [286.01 sigma]  
 LongPeriod-sig: 100.0% [194.07 sigma]  
 ModelChiSquare2-sig: 25.0%  
 ModelChiSquareGof-sig: 100.0%  
 Bootstrap-pfa: 1.22e-11  
 GhostDiagnostic-chr: -0.957  
 OotOffset-rm: 0.999 arcsec [0.32 sigma]  
 TicOffset-rm: 1.559 arcsec [0.30 sigma]  
 OotOffset-tot: 2  
 TicOffset-tot: 2  
 DiffImageQuality-fgm: 0.50 [1/2]  
 DiffImageOverlap-fno: 0.50 [1/2]

Software Revision: spoc-3.3.65-20190425 -- Date Generated: 05-May-2019 22:54:02 Z

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

TIC: 149603524 Candidate: 3 of 4 Period: 192.251 d  
 TOI: 102 Corr: No Ephemeris Match

Tmag: 9.72 R\*: 1.28 Rs Teff: 6280.0 K Logg: 4.32 M/H: 0.240 Rho: 0.597



DV Fit Results:  
 Period = 192.25101 [0.01040] d  
 Epoch = 1347.6905 [0.0089] BTJD  
 Rp/R\* = 0.0303 [0.0039]  
 a/R\* = 107.76 [66.11]  
 b = 0.15 [4.09]  
 Seff = 4.62 [0.00]  
 Teq = 374 [0] K  
 Rp = 4.23 [0.55] Re  
 a = 0.7028 [0.0000] AU  
 Rho = 0.455 [0.837]  
 Ag = 1097.65 [4306.03] [0.25 sigma]  
 Tp = 3328 [3264] K [0.91 sigma]

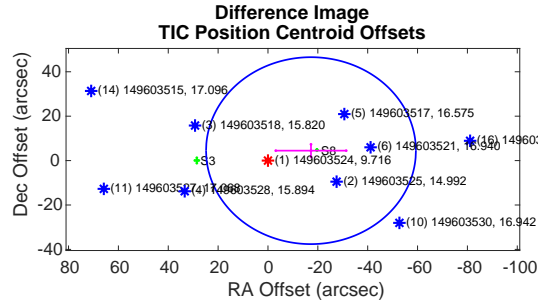
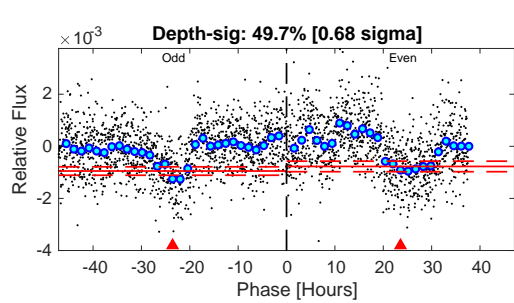
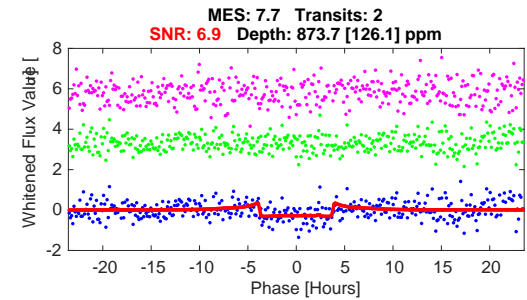
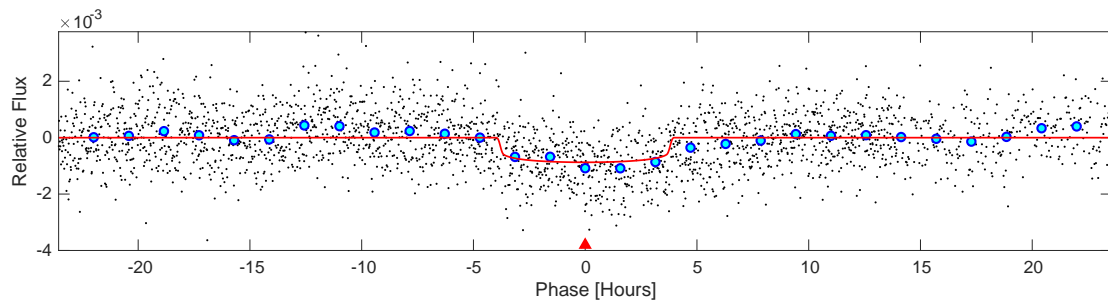
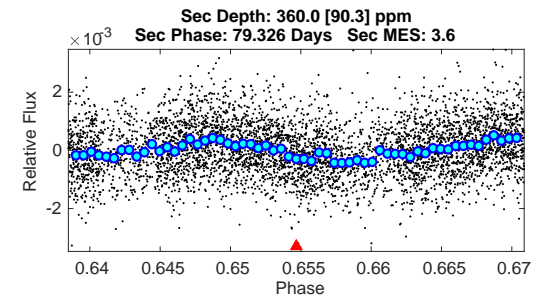
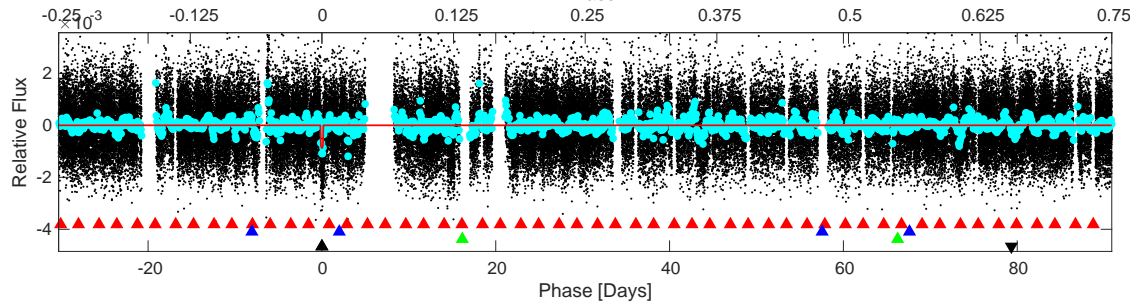
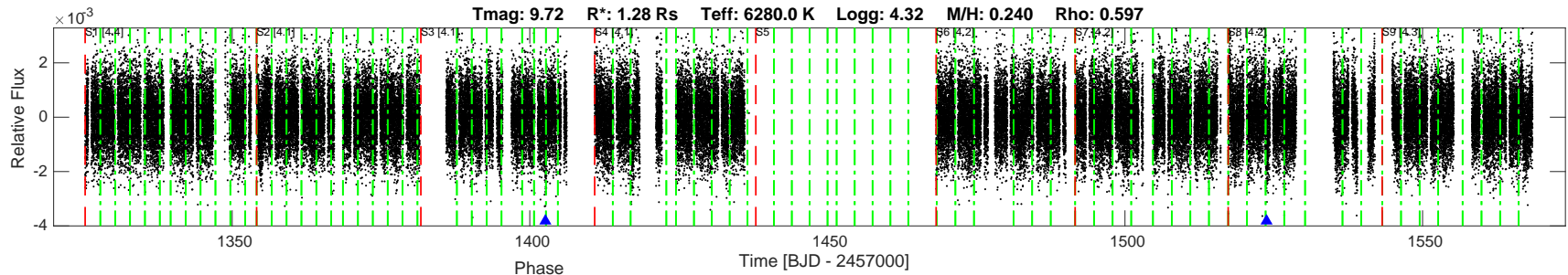
DV Diagnostic Results:  
 ShortPeriod-sig: 100.0% [106.87 sigma]  
 LongPeriod-sig: N/A  
 ModelChiSquare2-sig: 85.5%  
 ModelChiSquareGof-sig: 100.0%  
 Bootstrap-pfa: 2.83e-18  
 GhostDiagnostic-chr: 1.985  
 OotOffset-rm: 20.124 arcsec [7.99 sigma]  
 TicOffset-rm: 20.118 arcsec [8.03 sigma]  
 OotOffset-tot: 1  
 TicOffset-tot: 1  
 DiffImageQuality-fgm: 0.00 [0/1]  
 DiffImageOverlap-fno: 1.00 [1/1]

Software Revision: spoc-3.3.65-20190425 -- Date Generated: 05-May-2019 22:54:17 Z

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

TIC: 149603524 Candidate: 4 of 4 Period: 121.169 d  
 TOI: 102 Corr: No Ephemeris Match

Tmag: 9.72 R\*: 1.28 Rs Teff: 6280.0 K Logg: 4.32 M/H: 0.240 Rho: 0.597



DV Fit Results:

Period = 121.16891 [0.00780] d  
 Epoch = 1402.6188 [0.0043] BTJD  
 Rp/R\* = 0.0277 [0.0050]  
 a/R\* = 116.31 [115.15]  
 b = 0.29 [3.18]  
 Seff = 8.55 [0.00]  
 Teq = 436 [0] K  
 Rp = 3.87 [0.70] Re  
 a = 0.5166 [0.0000] AU  
 Rho = 1.440 [4.276]  
 Ag = 3523.27 [1544.63] [2.28 sigma]  
 Tp = 5196 [569] K [8.36 sigma]

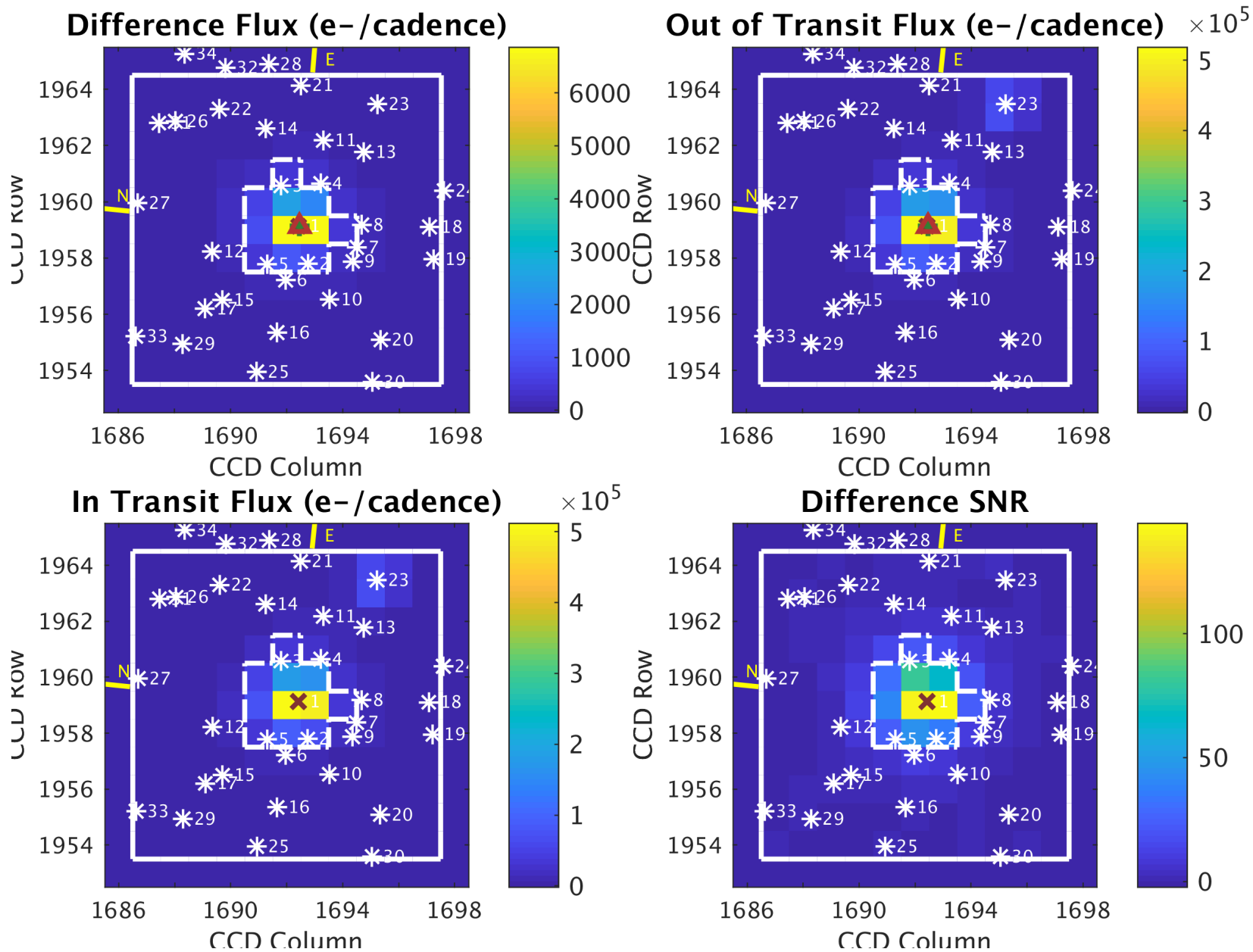
DV Diagnostic Results:

ShortPeriod-sig: 100.0% [194.07 sigma]  
 LongPeriod-sig: 100.0% [106.87 sigma]  
 ModelChiSquare2-sig: 90.7%  
 ModelChiSquareGof-sig: 100.0%  
 Bootstrap-pfa: 2.27e-09  
 GhostDiagnostic-chr: -2.749  
 OotOffset-rm: 13.245 arcsec [0.60 sigma]  
 TicOffset-rm: 17.825 arcsec [1.27 sigma]  
 OotOffset-tot: 2  
 TicOffset-tot: 2  
 DiffImageQuality-fgm: 0.00 [0/2]  
 DiffImageOverlap-fno: 1.00 [2/2]

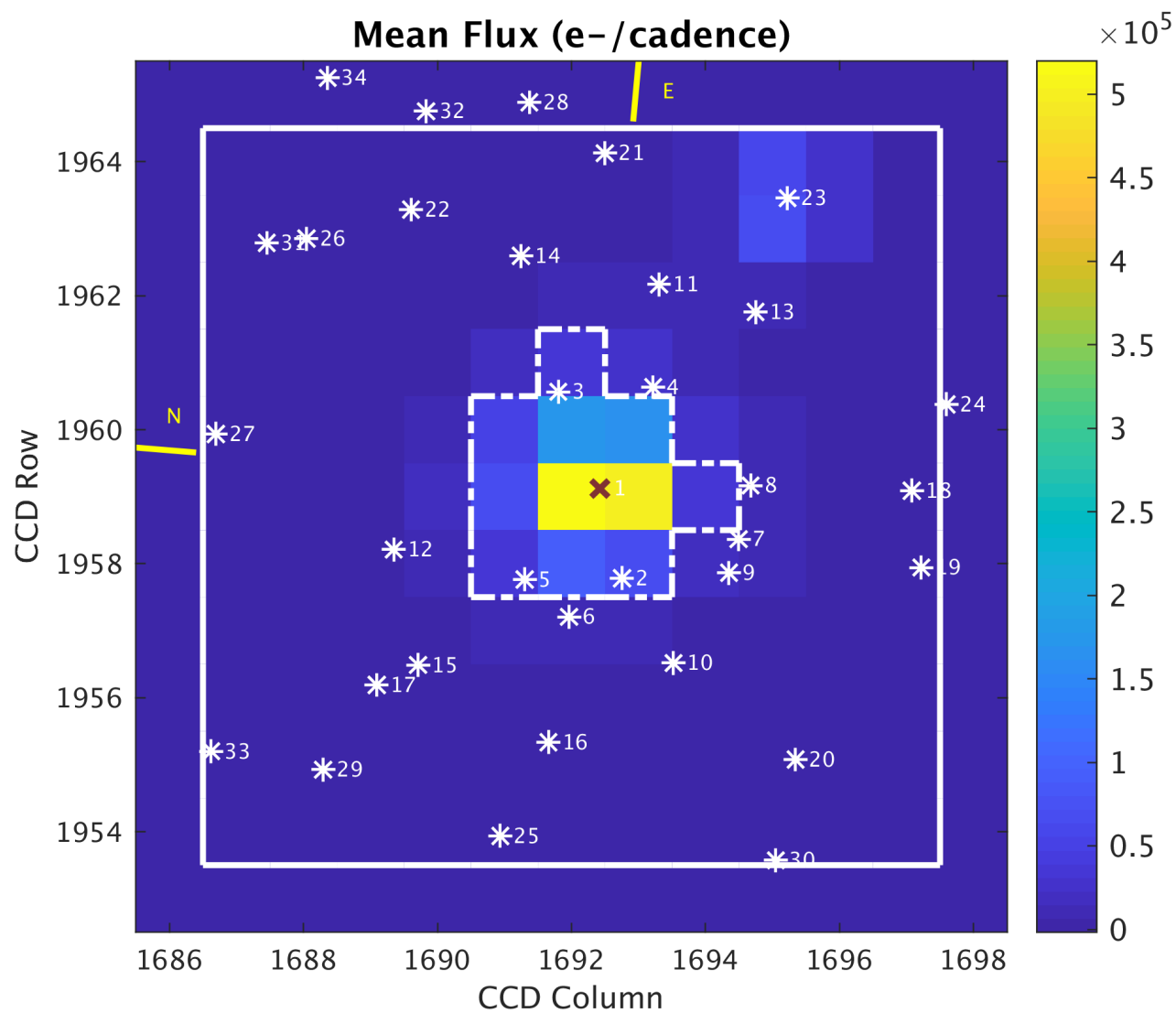
Software Revision: spoc-3.3.65-20190425 -- Date Generated: 05-May-2019 22:54:32 Z

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

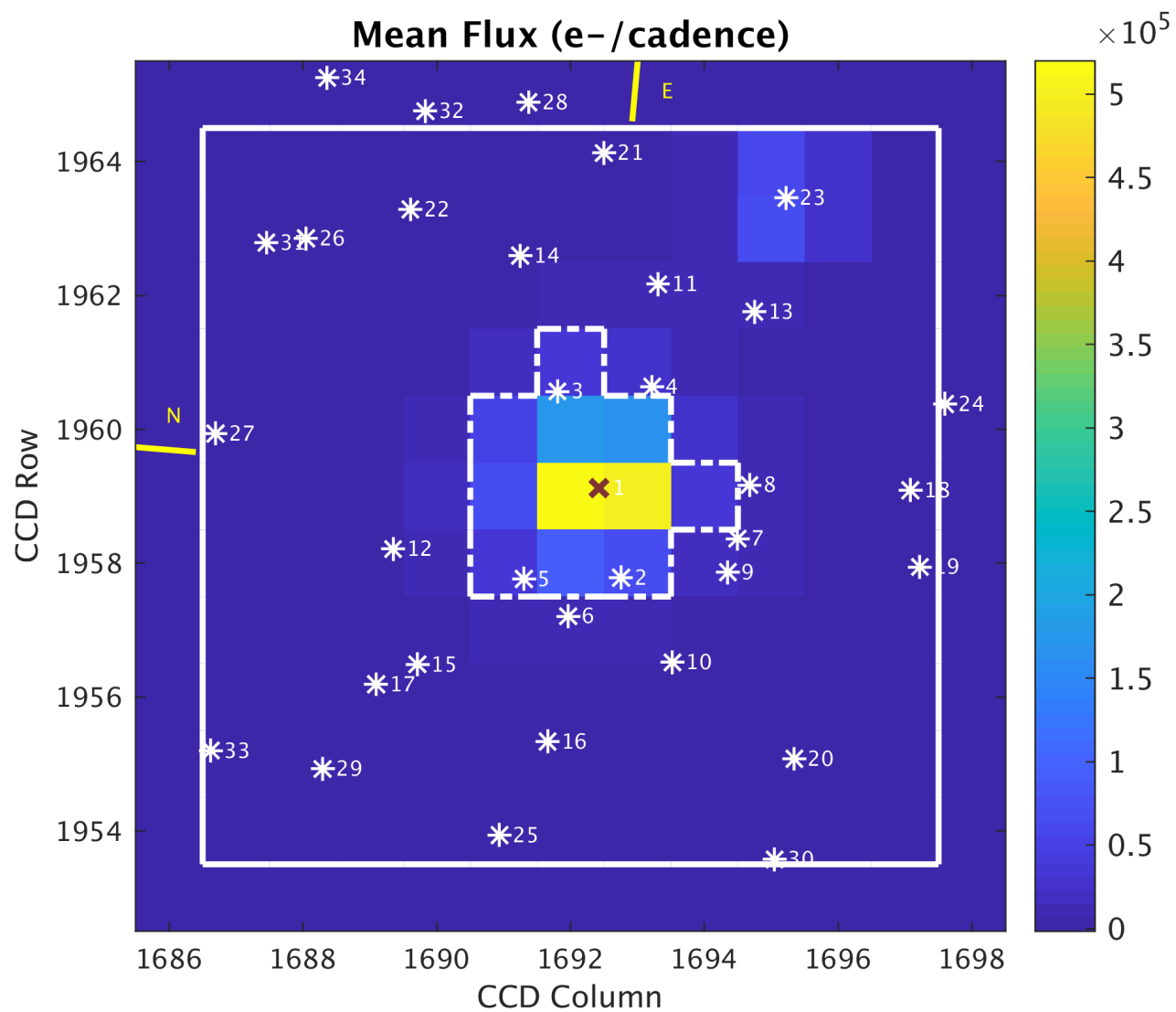
## Planet Candidate 1 / Sector 9 / Target Pixel Table 152



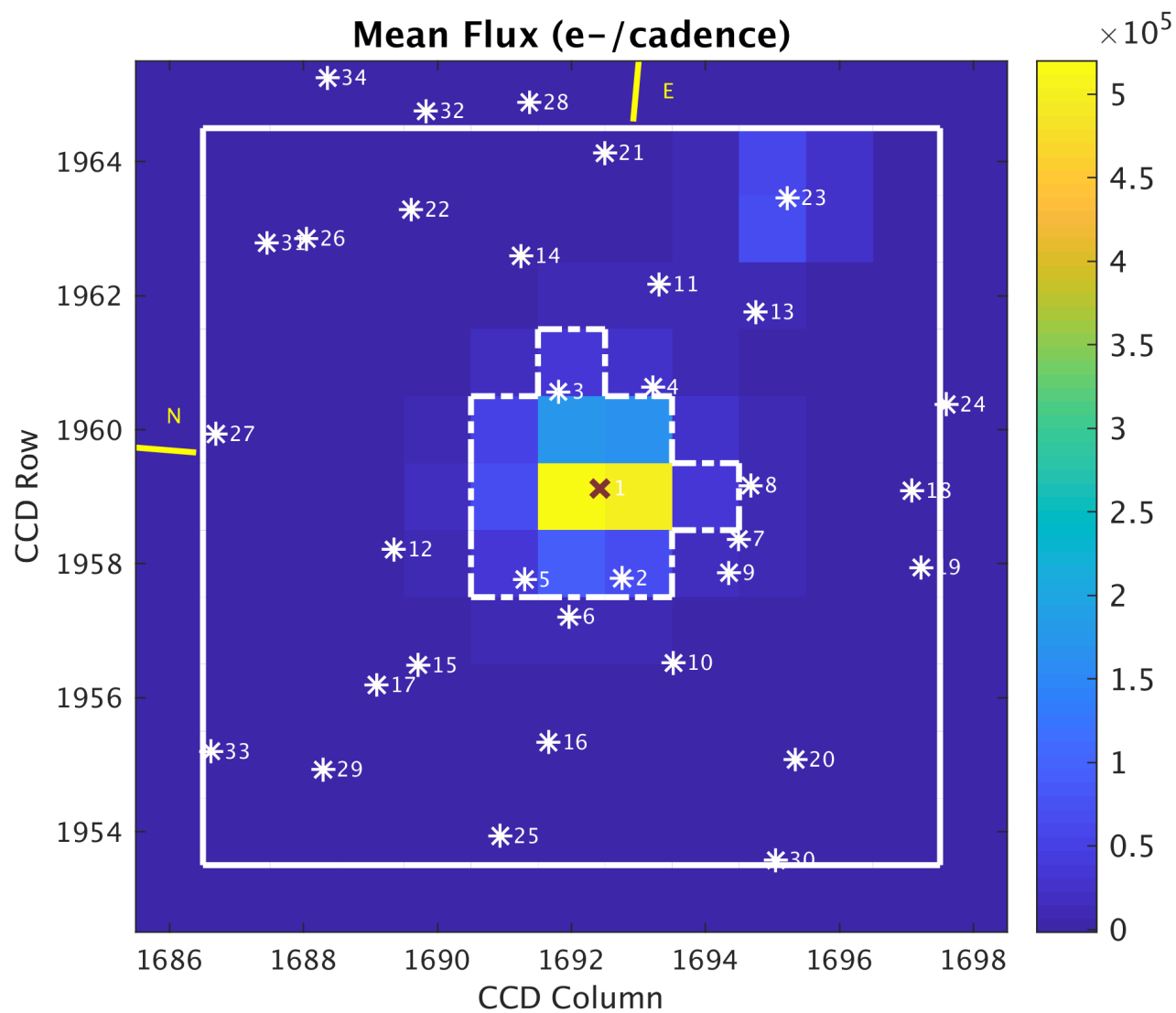
**Direct Image**  
**Planet Candidate 2 / Sector 9 / Target Pixel Table 152**



**Direct Image**  
**Planet Candidate 3 / Sector 9 / Target Pixel Table 152**

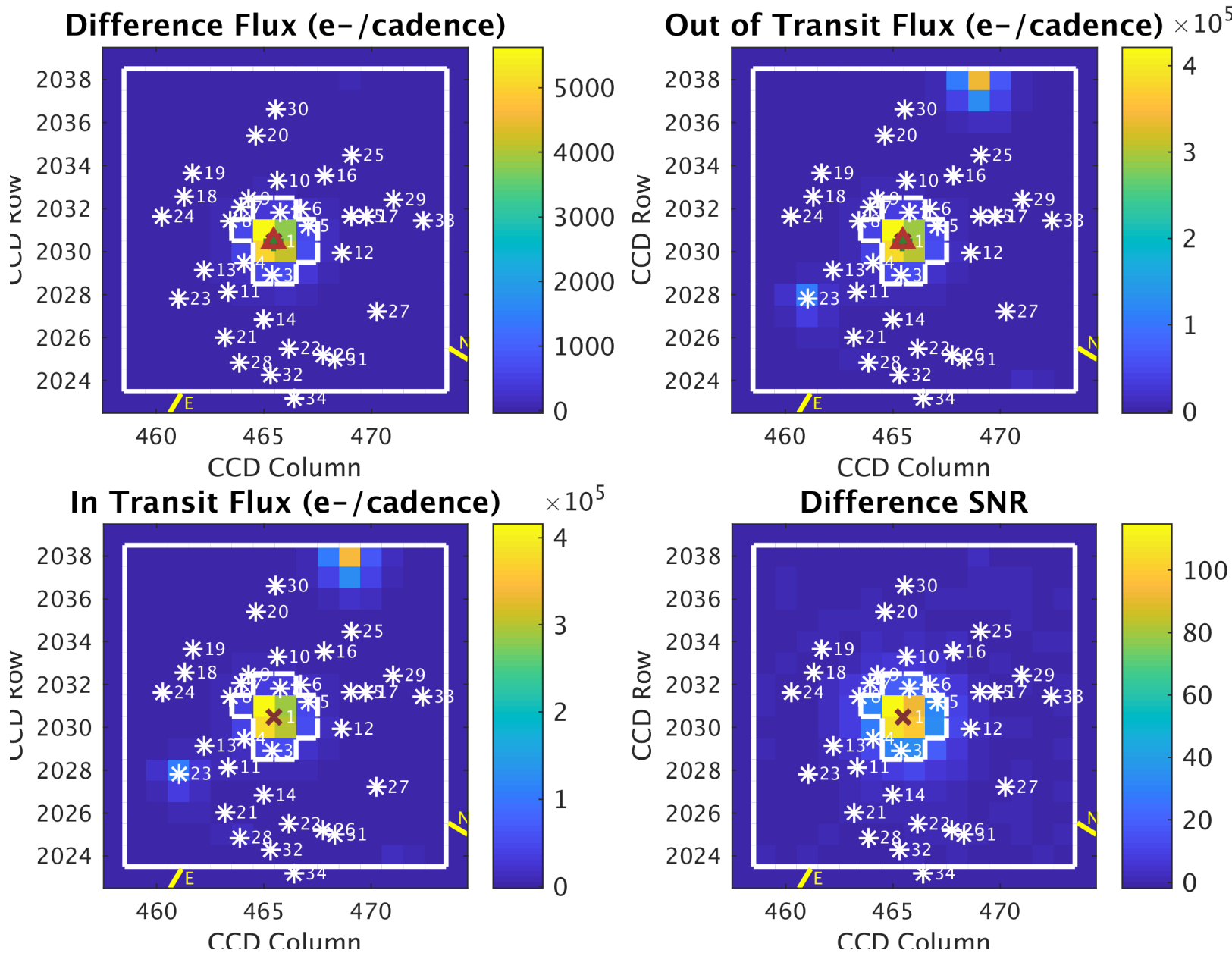


**Direct Image**  
**Planet Candidate 4 / Sector 9 / Target Pixel Table 152**

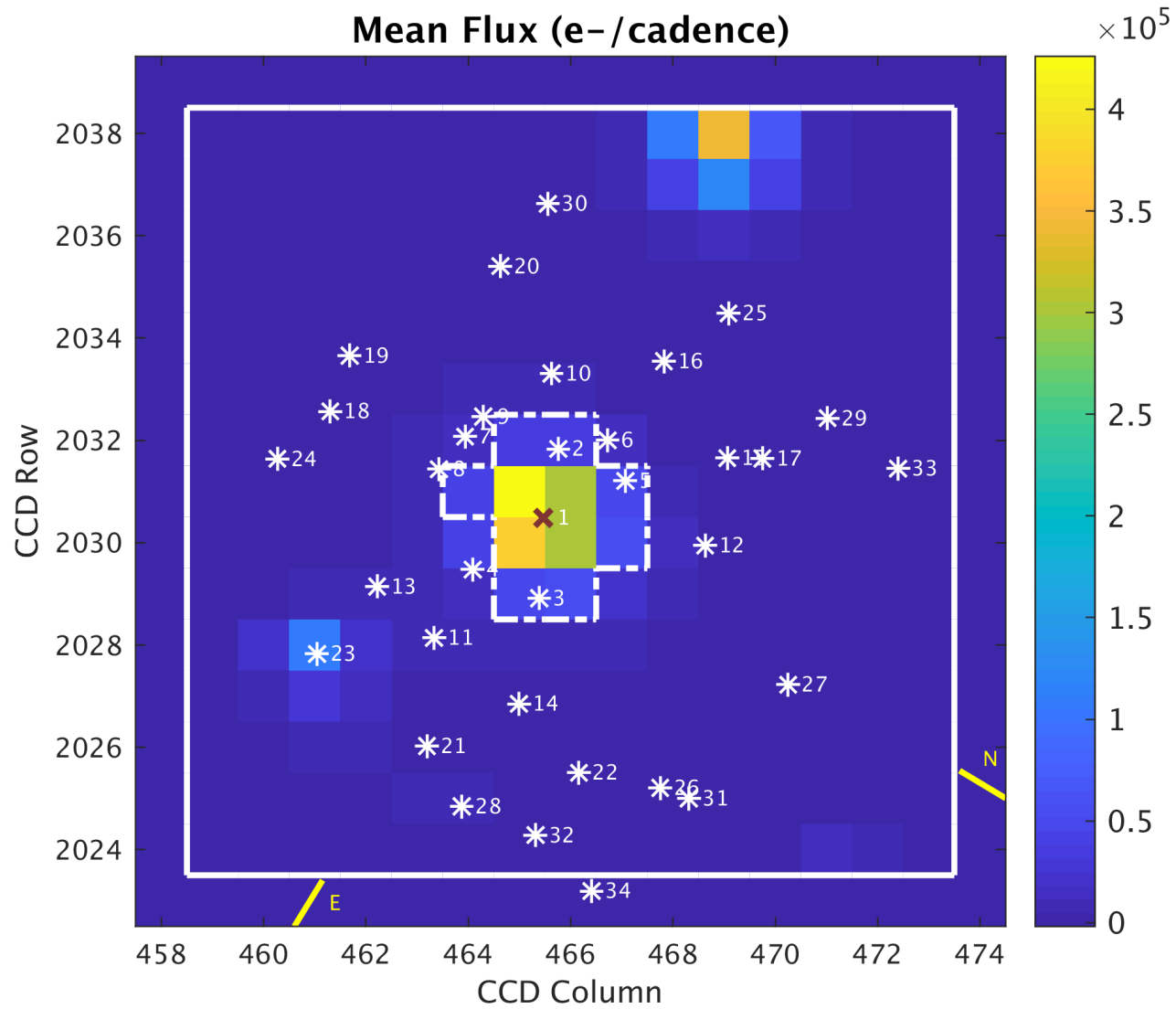




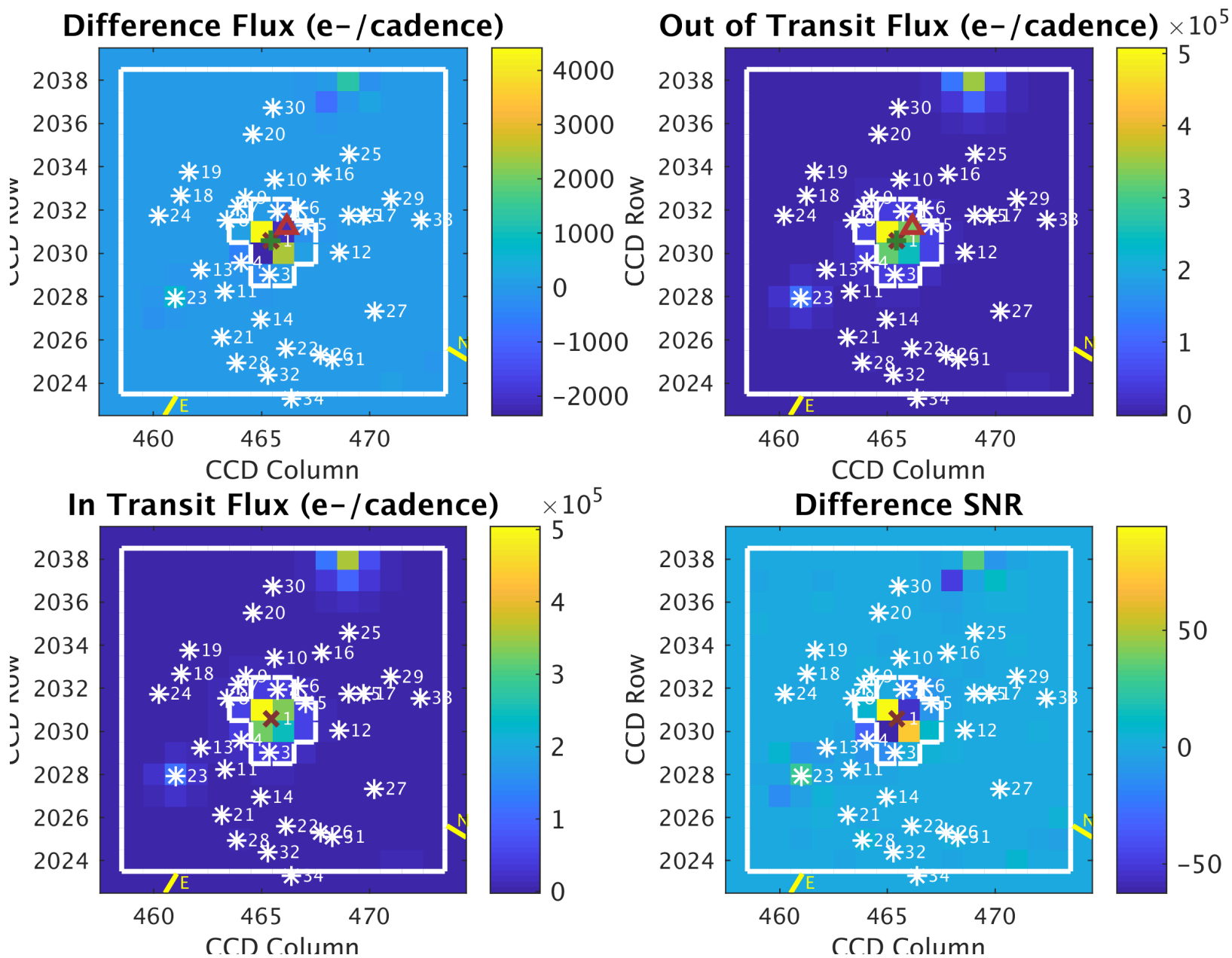
## Planet Candidate 1 / Sector 8 / Target Pixel Table 148



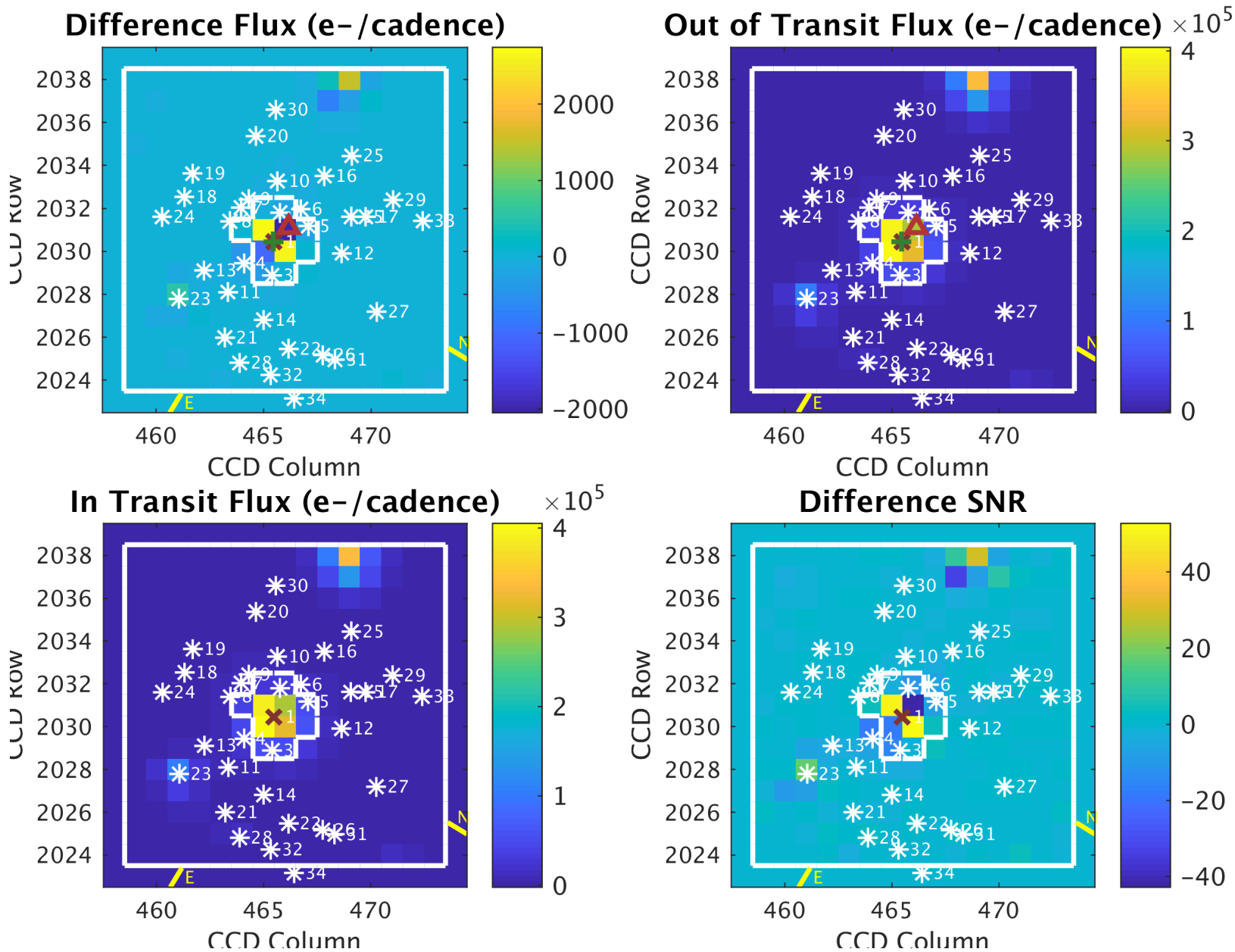
**Direct Image**  
**Planet Candidate 2 / Sector 8 / Target Pixel Table 148**



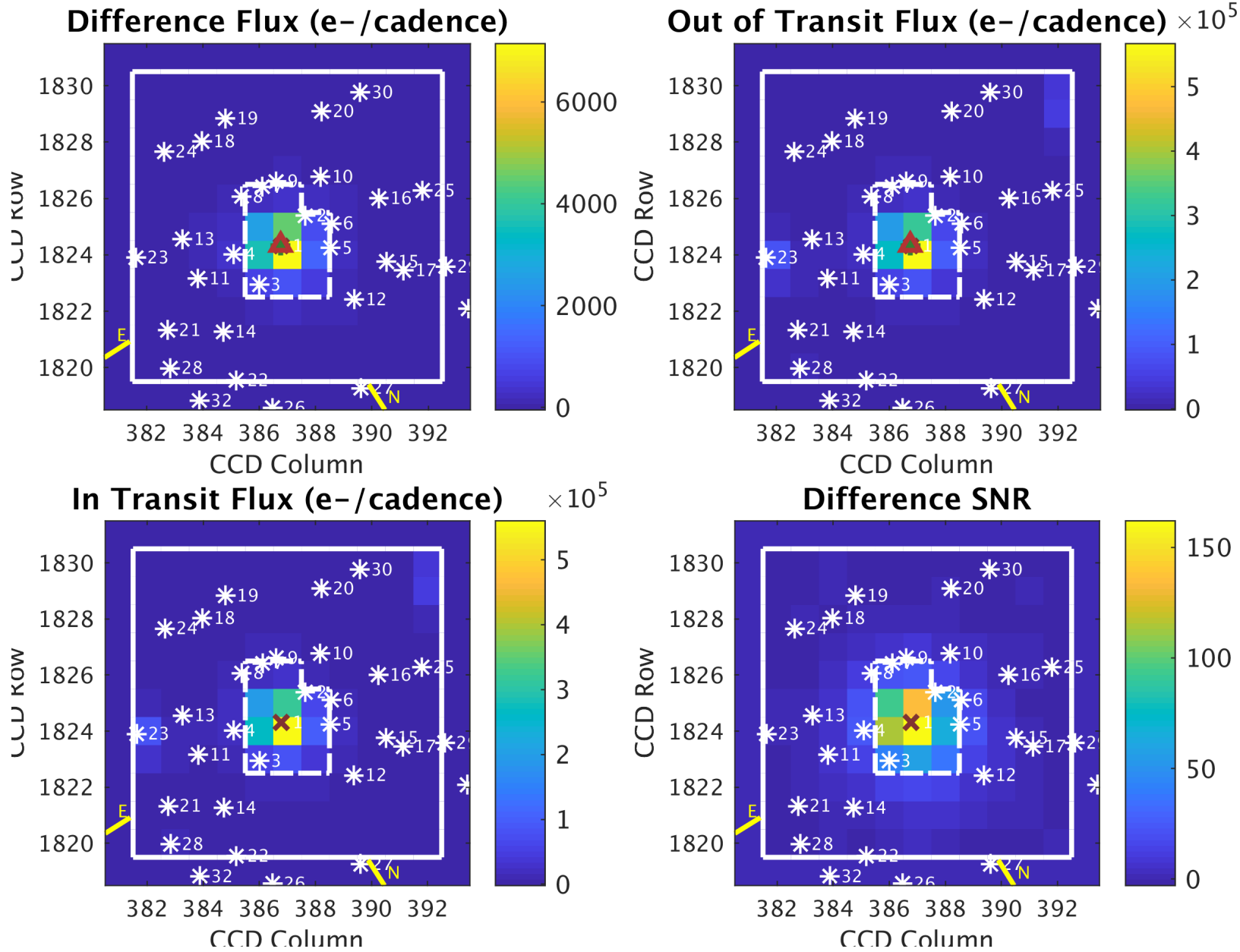
## Planet Candidate 3 / Sector 8 / Target Pixel Table 148



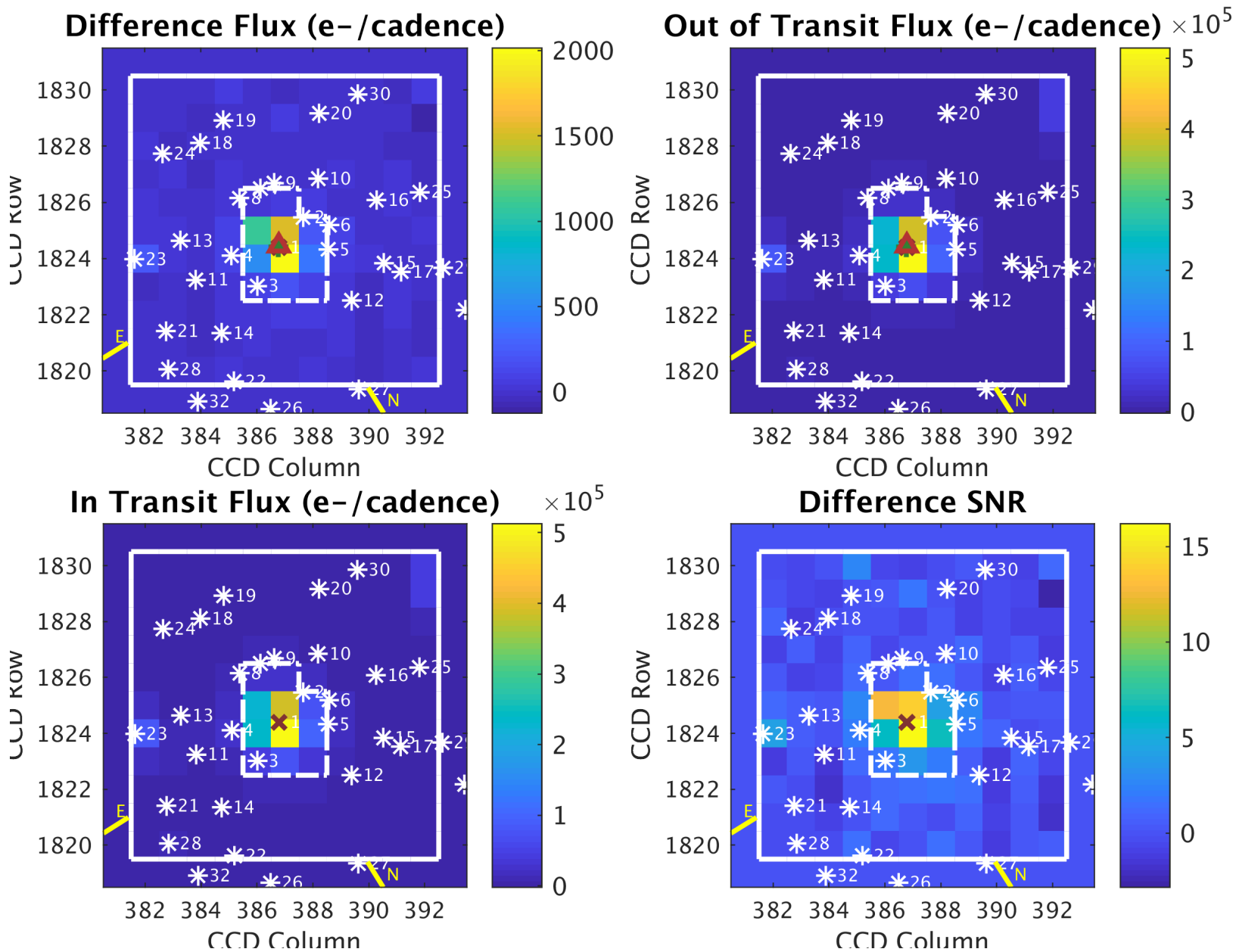
## Planet Candidate 4 / Sector 8 / Target Pixel Table 148



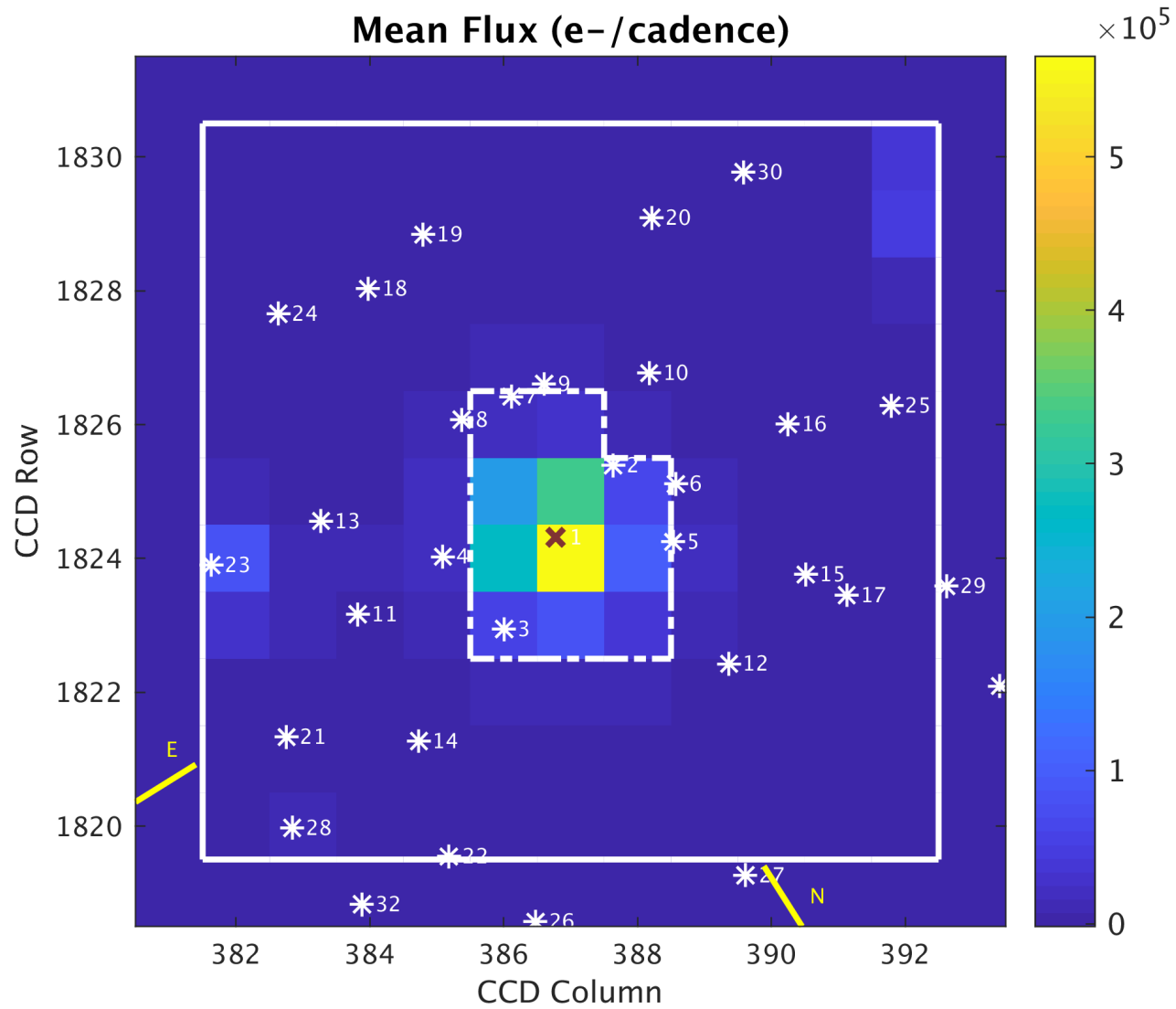
## Planet Candidate 1 / Sector 7 / Target Pixel Table 145



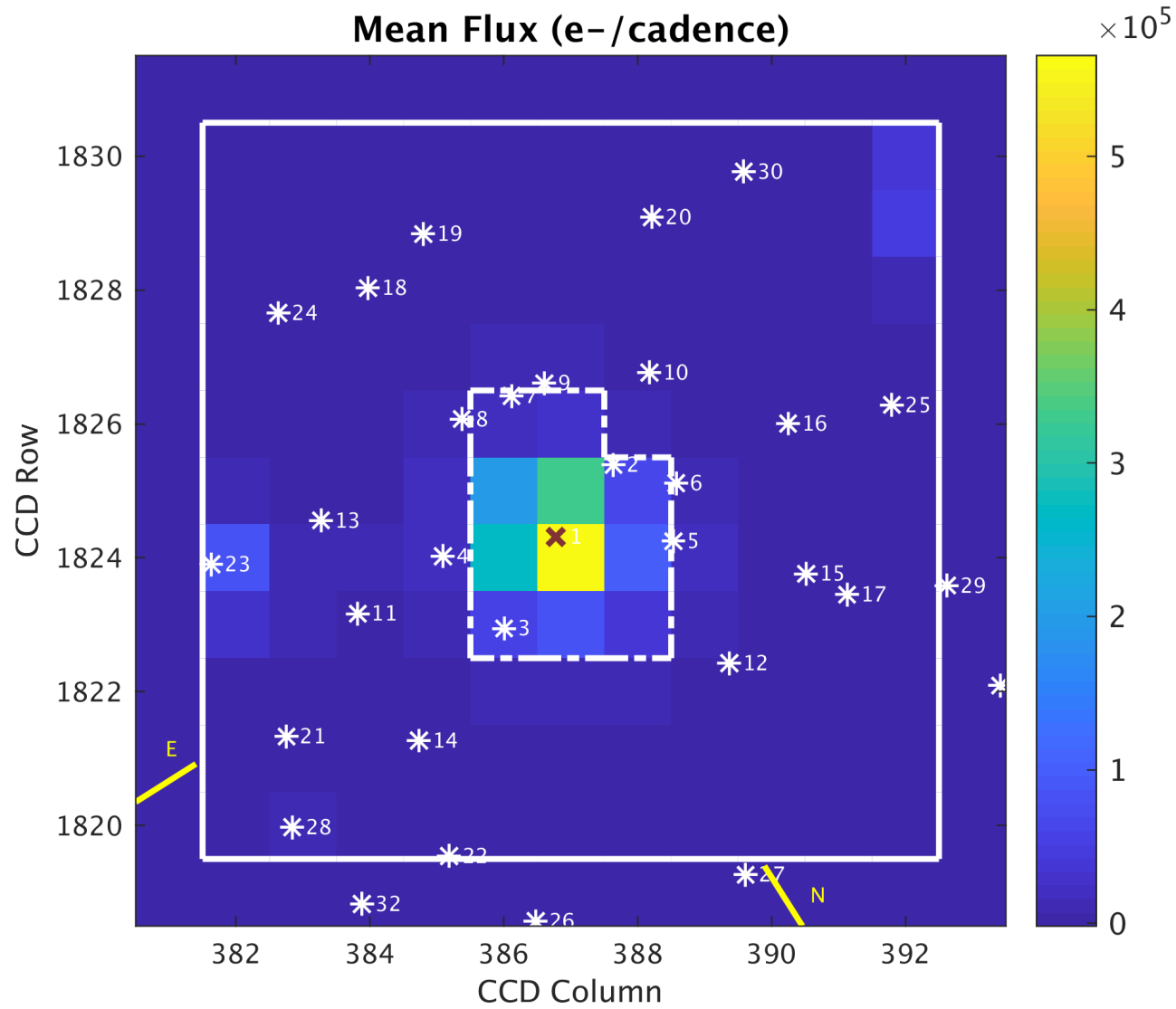
## Planet Candidate 2 / Sector 7 / Target Pixel Table 145



**Direct Image**  
**Planet Candidate 3 / Sector 7 / Target Pixel Table 145**



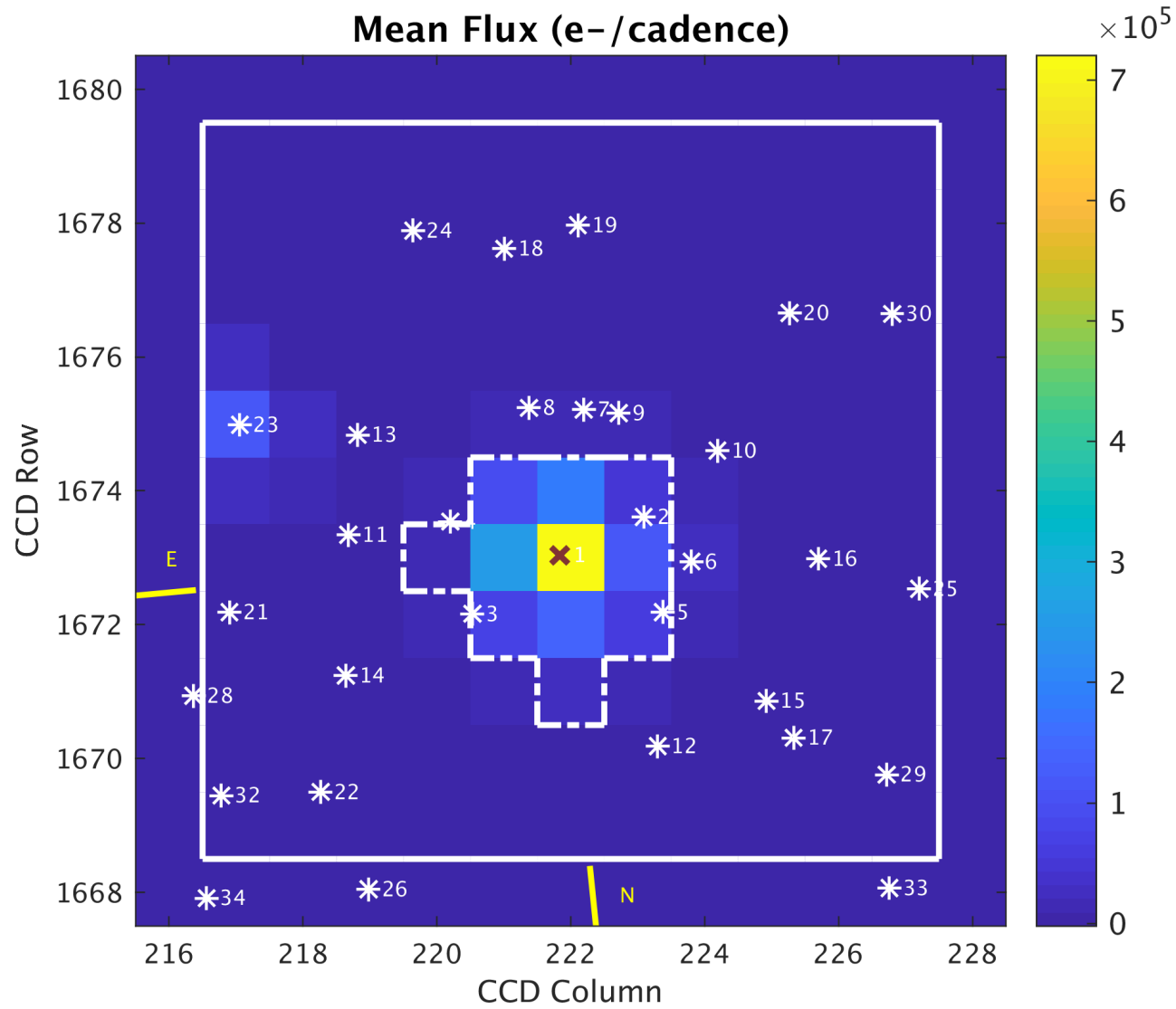
**Direct Image**  
**Planet Candidate 4 / Sector 7 / Target Pixel Table 145**



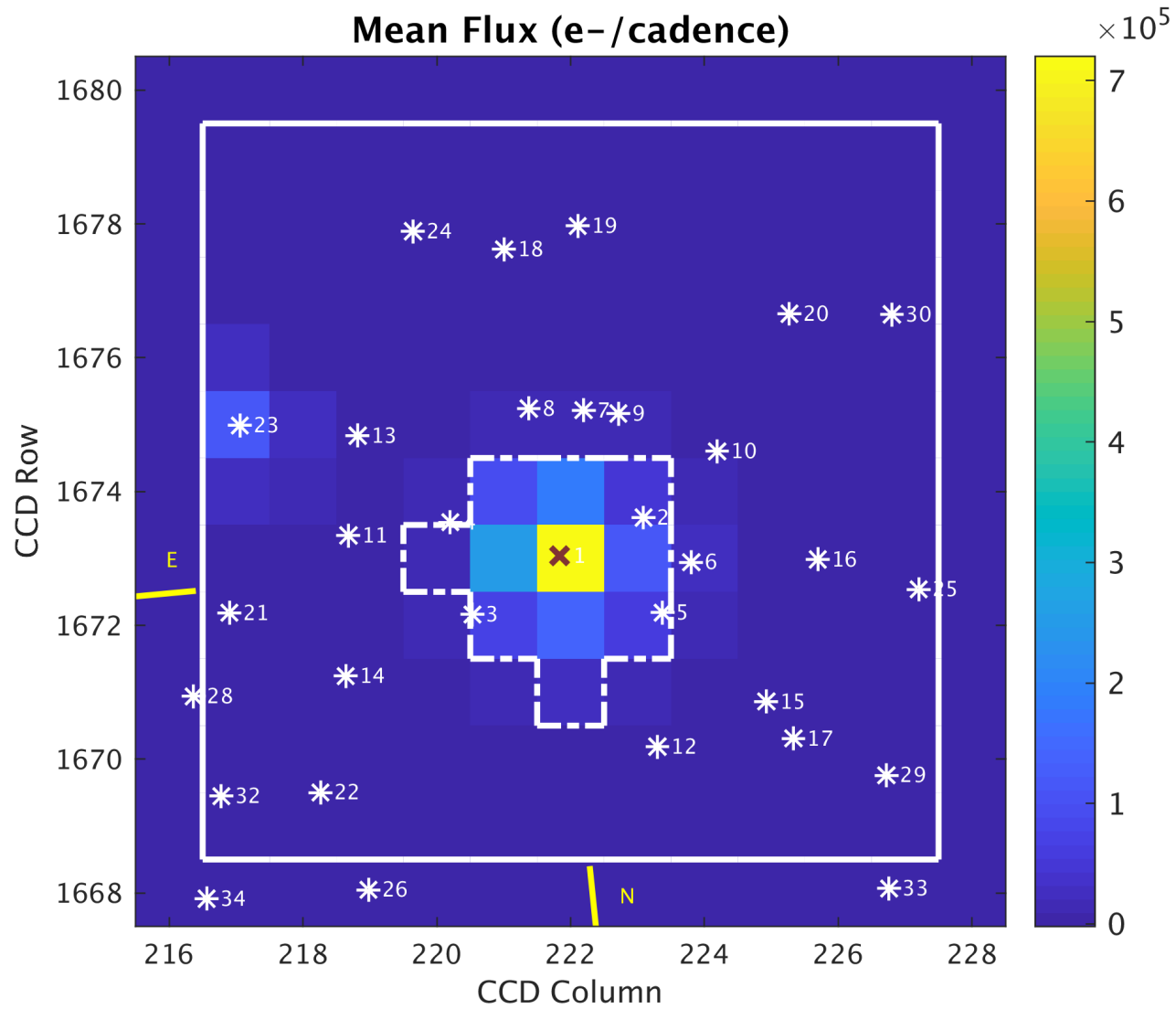




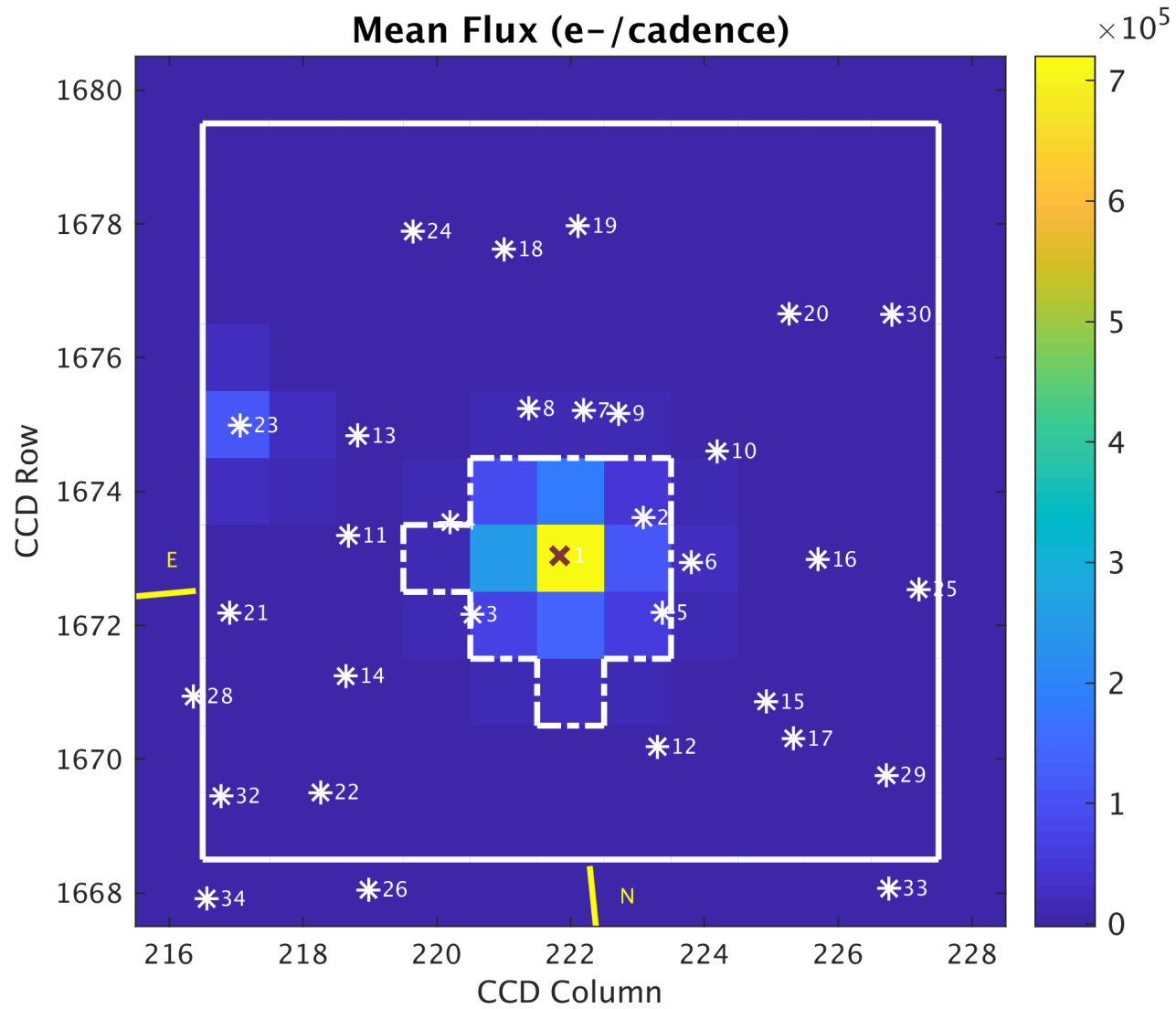
**Direct Image**  
**Planet Candidate 2 / Sector 6 / Target Pixel Table 141**



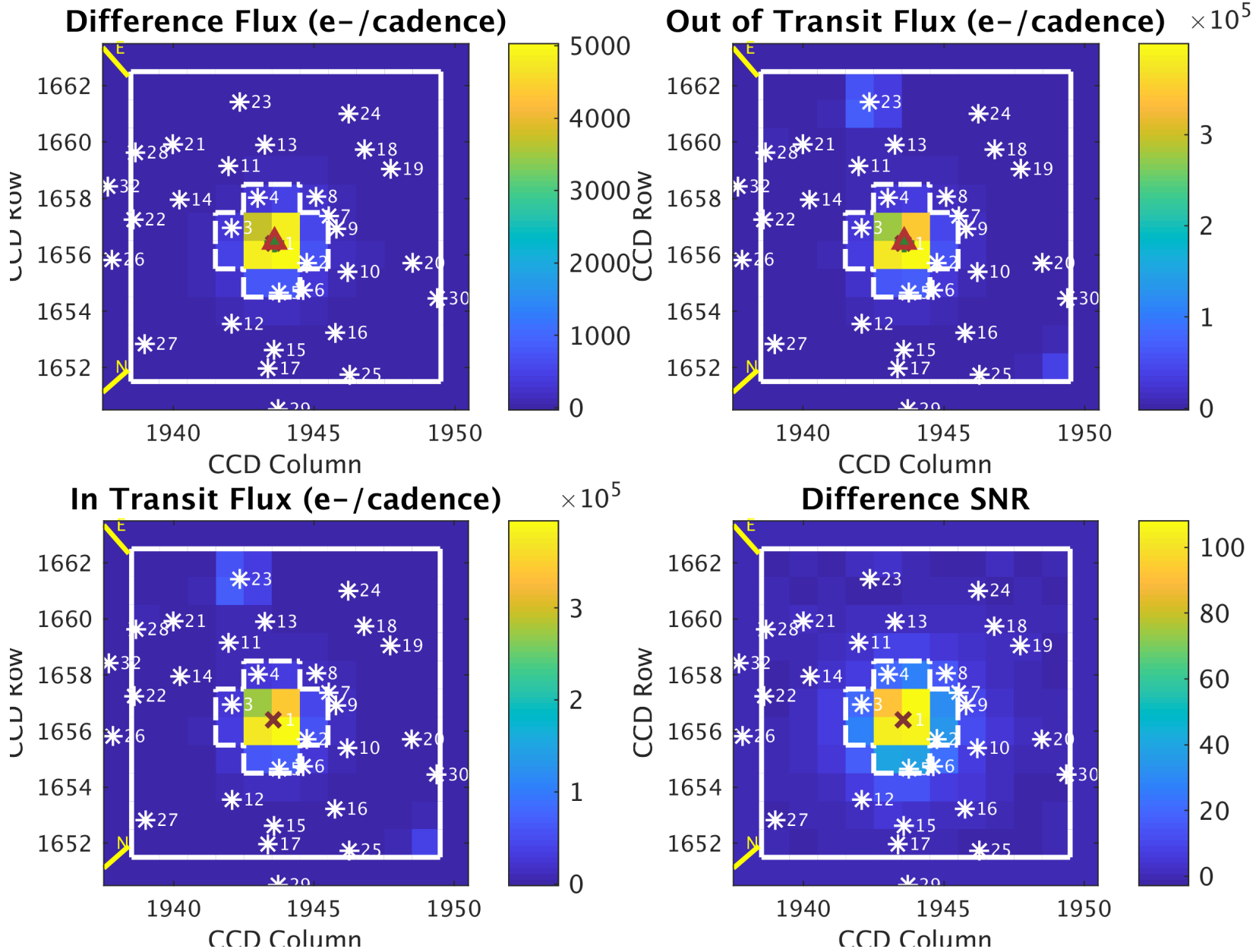
**Direct Image**  
**Planet Candidate 3 / Sector 6 / Target Pixel Table 141**



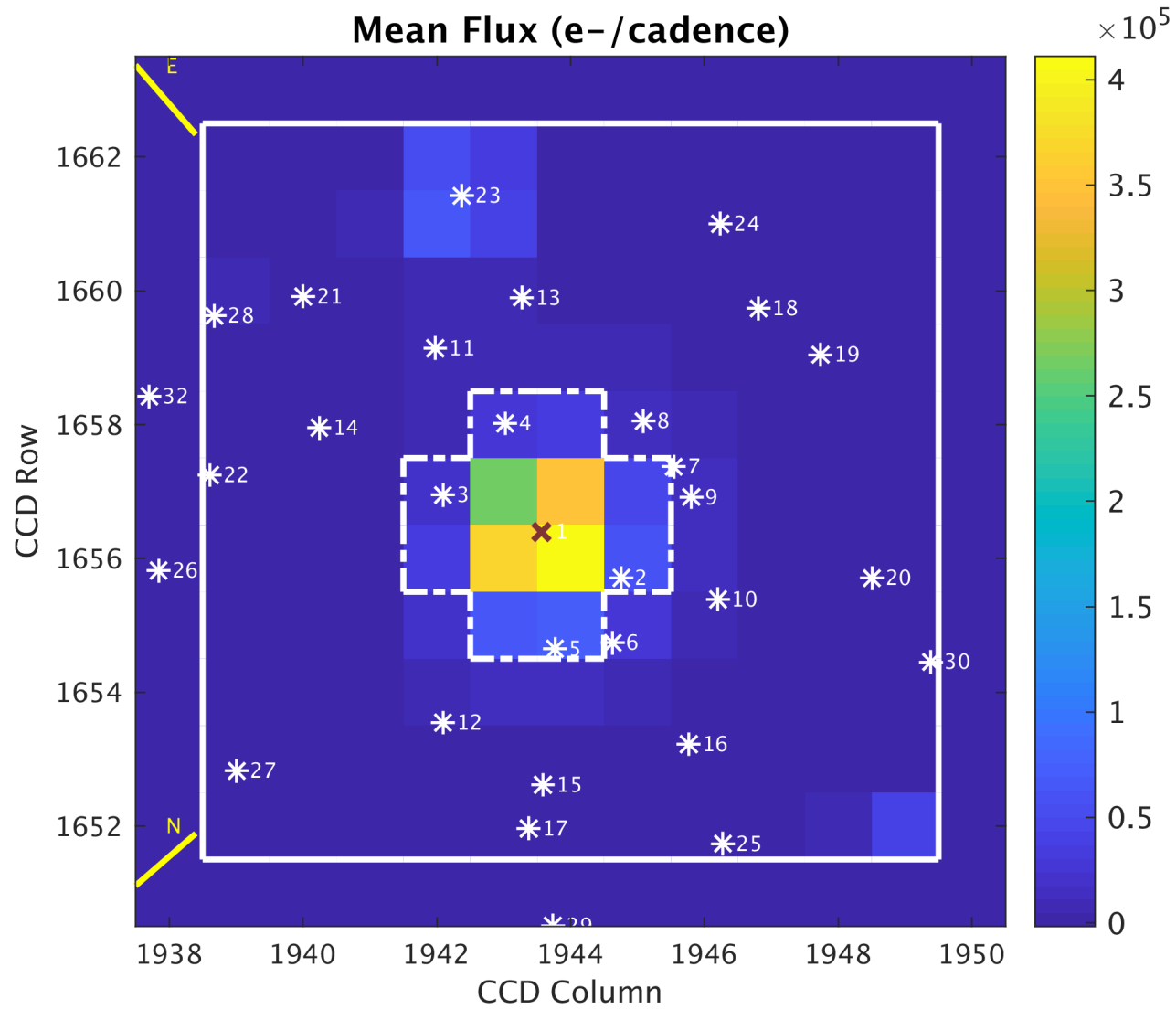
**Direct Image**  
**Planet Candidate 4 / Sector 6 / Target Pixel Table 141**



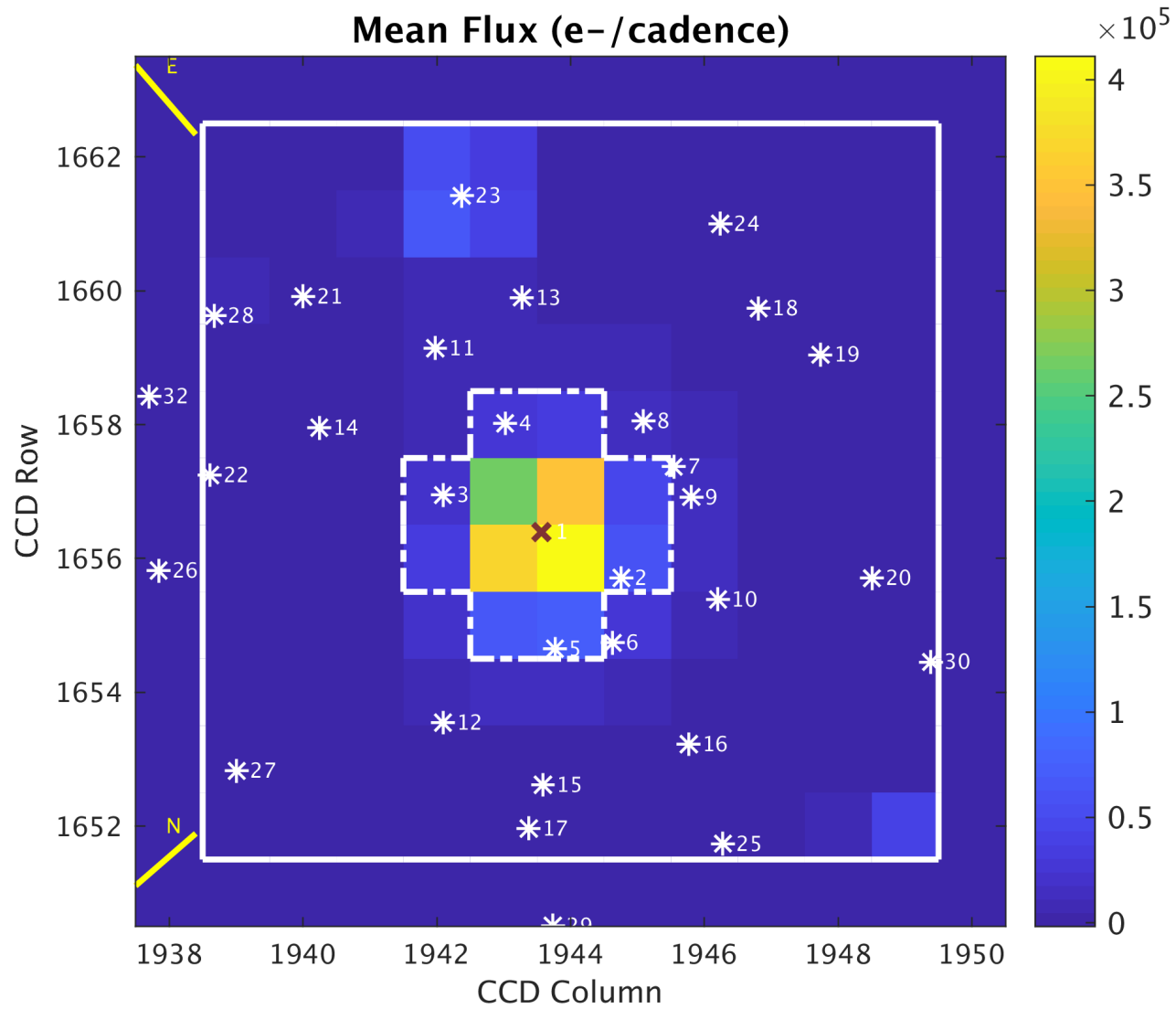
### Planet Candidate 1 / Sector 4 / Target Pixel Table 135



**Direct Image**  
**Planet Candidate 2 / Sector 4 / Target Pixel Table 135**

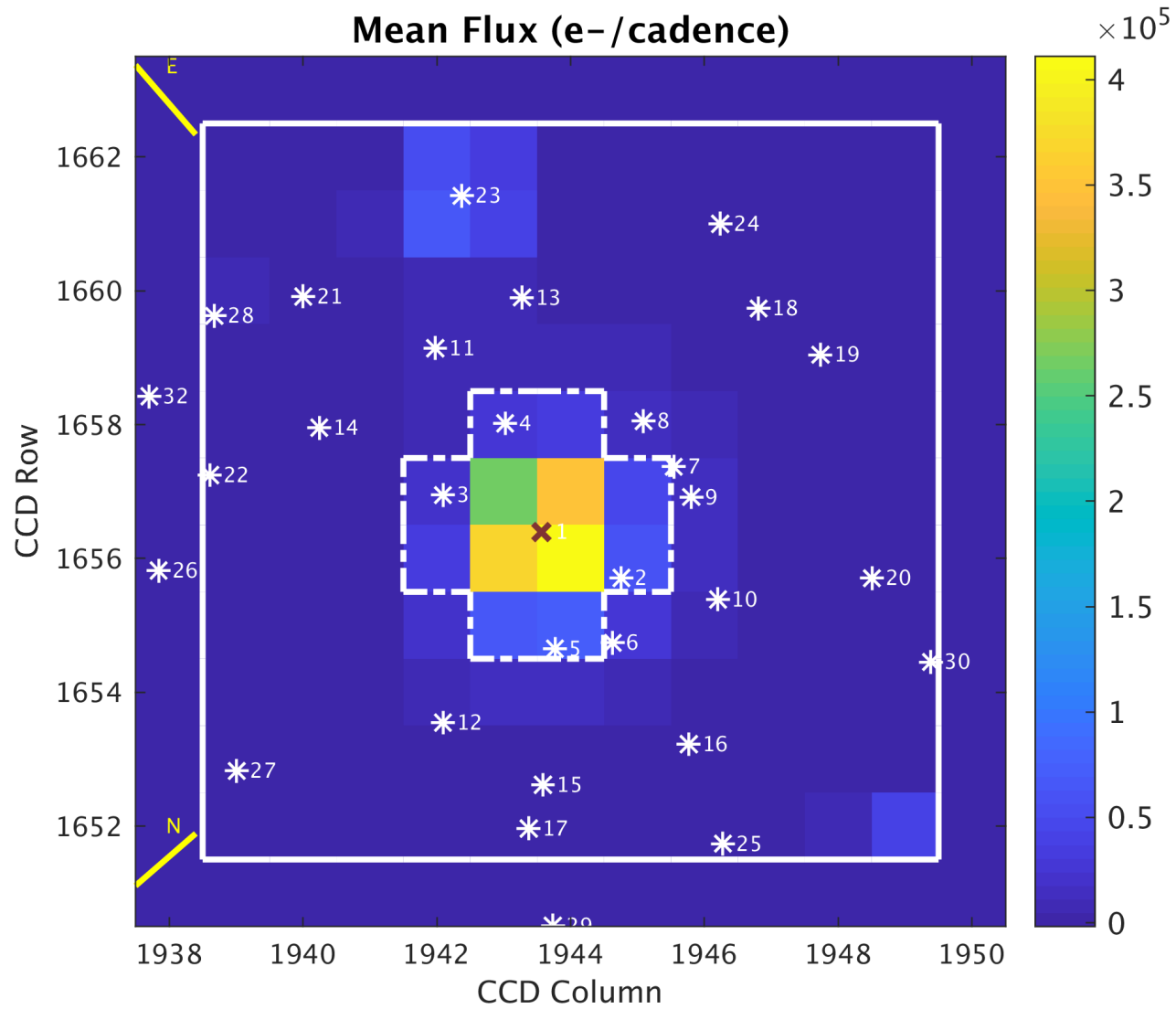


**Direct Image**  
**Planet Candidate 3 / Sector 4 / Target Pixel Table 135**



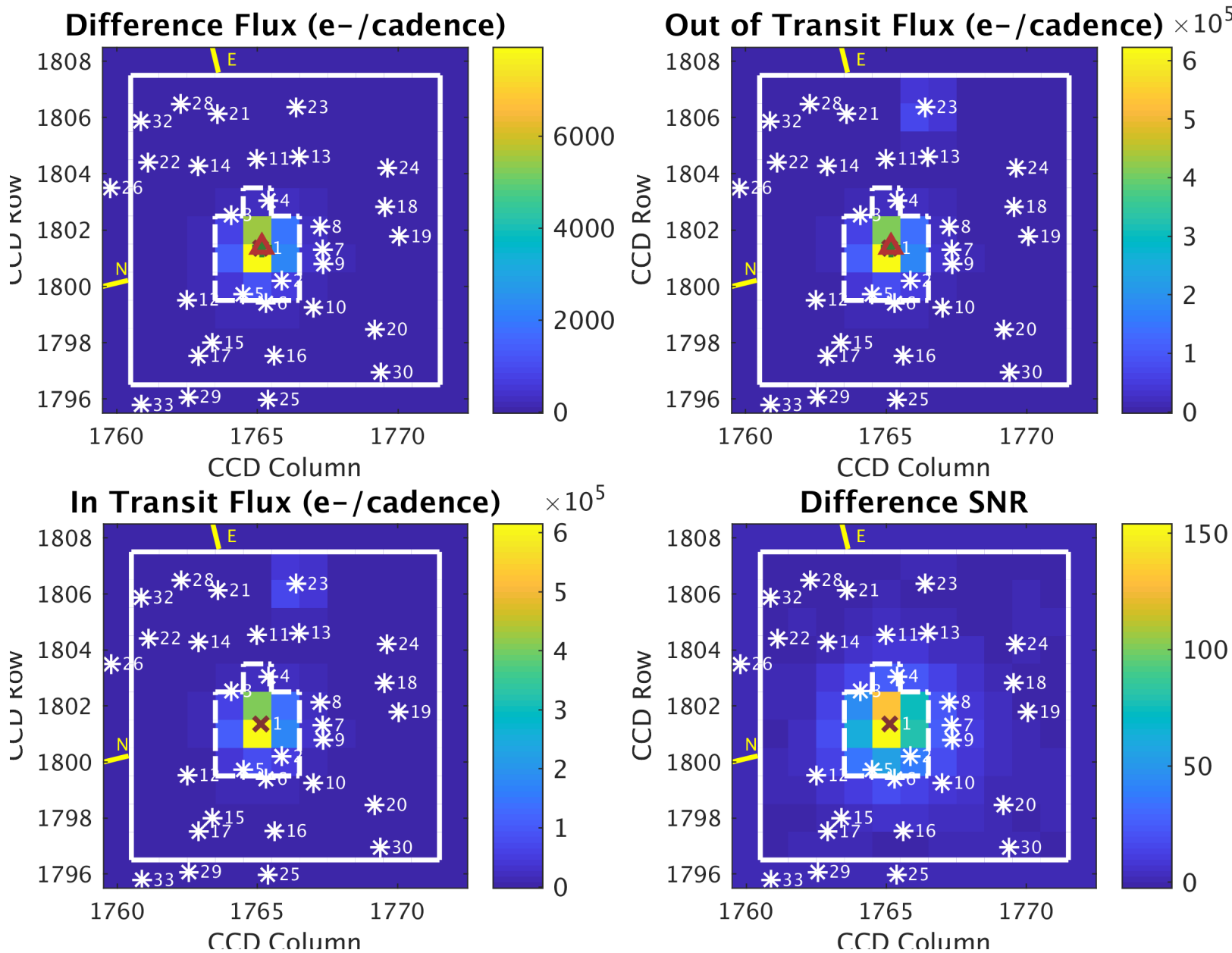
# Direct Image

## Planet Candidate 4 / Sector 4 / Target Pixel Table 135

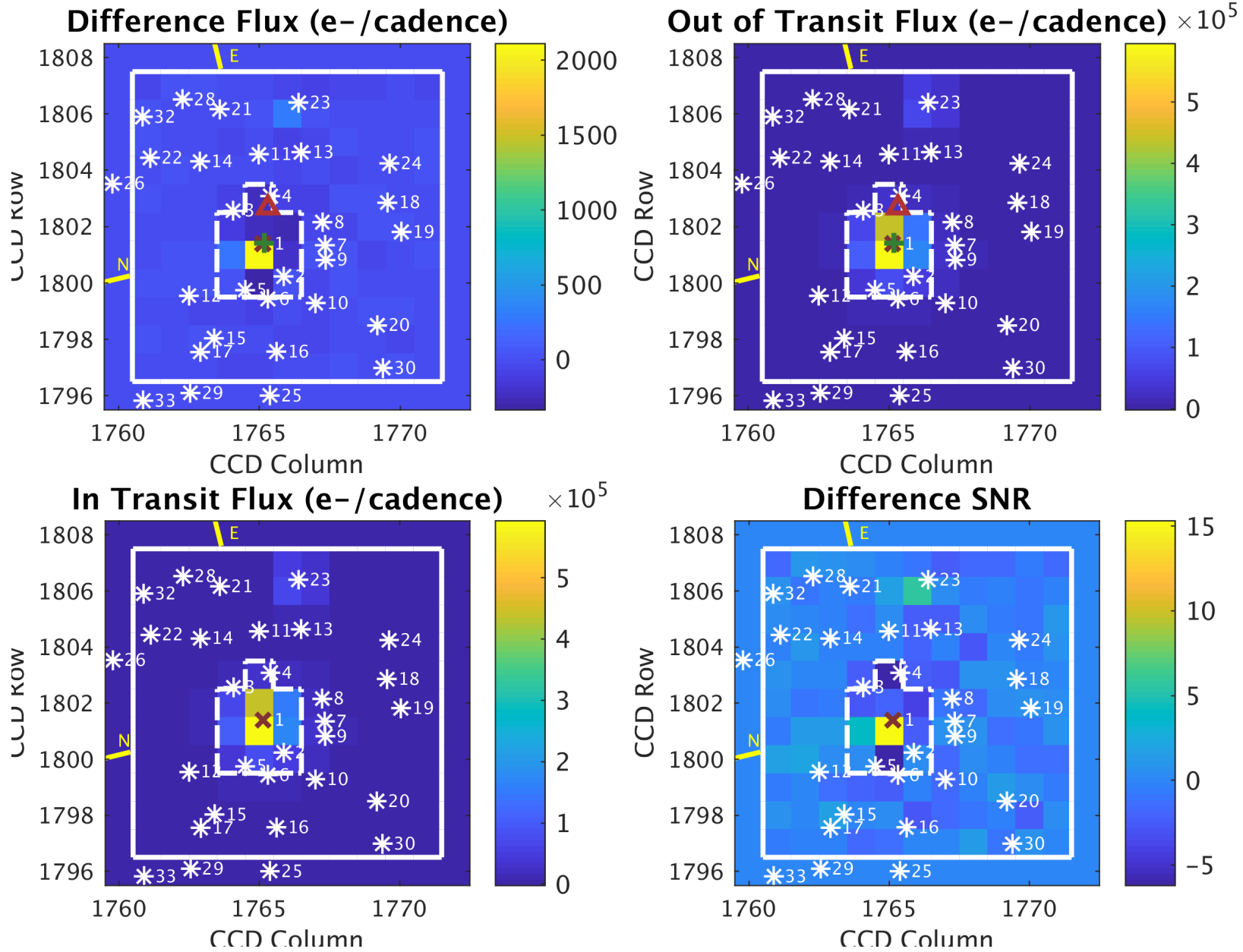




## Planet Candidate 1 / Sector 3 / Target Pixel Table 131

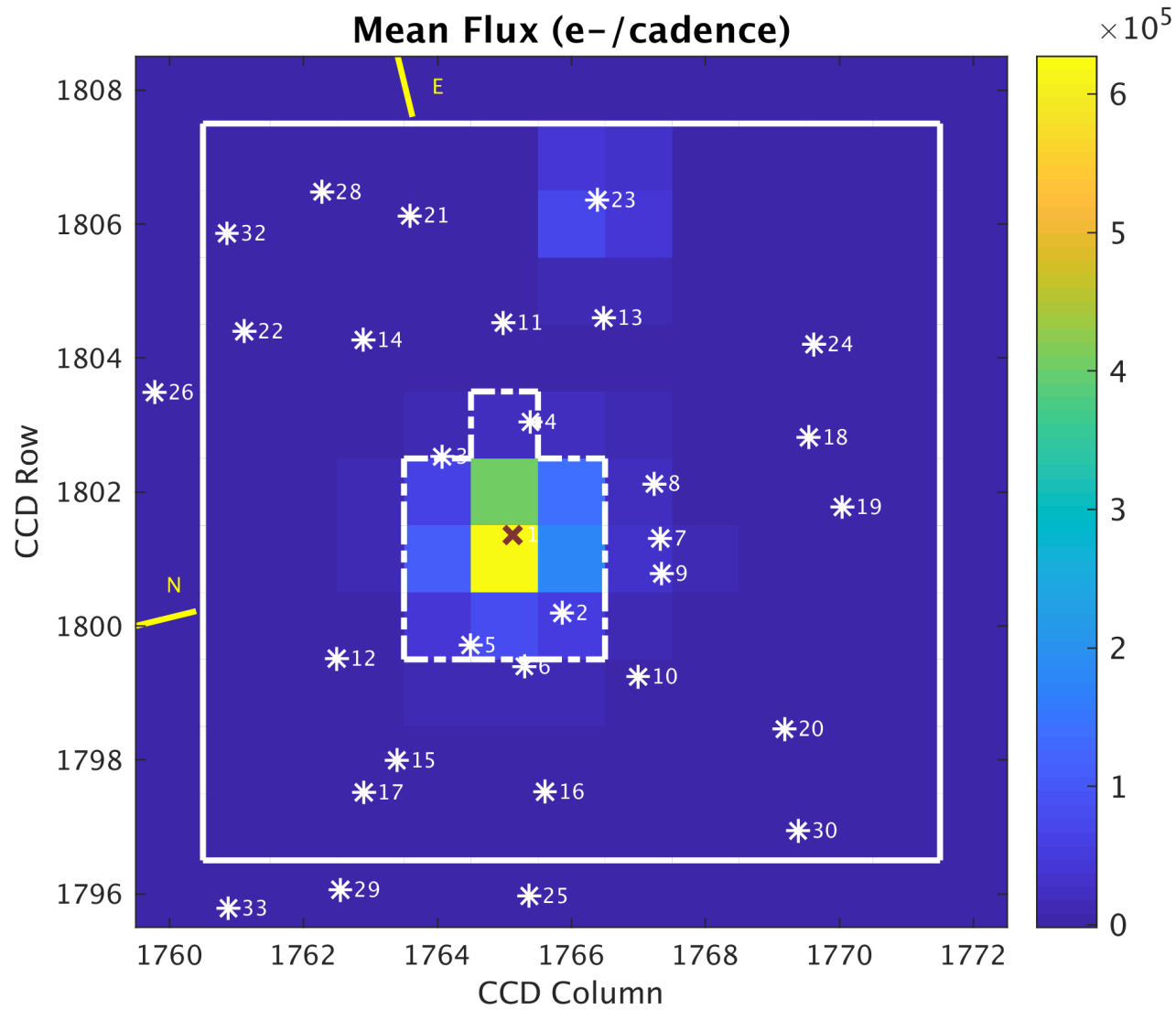


## Planet Candidate 2 / Sector 3 / Target Pixel Table 131

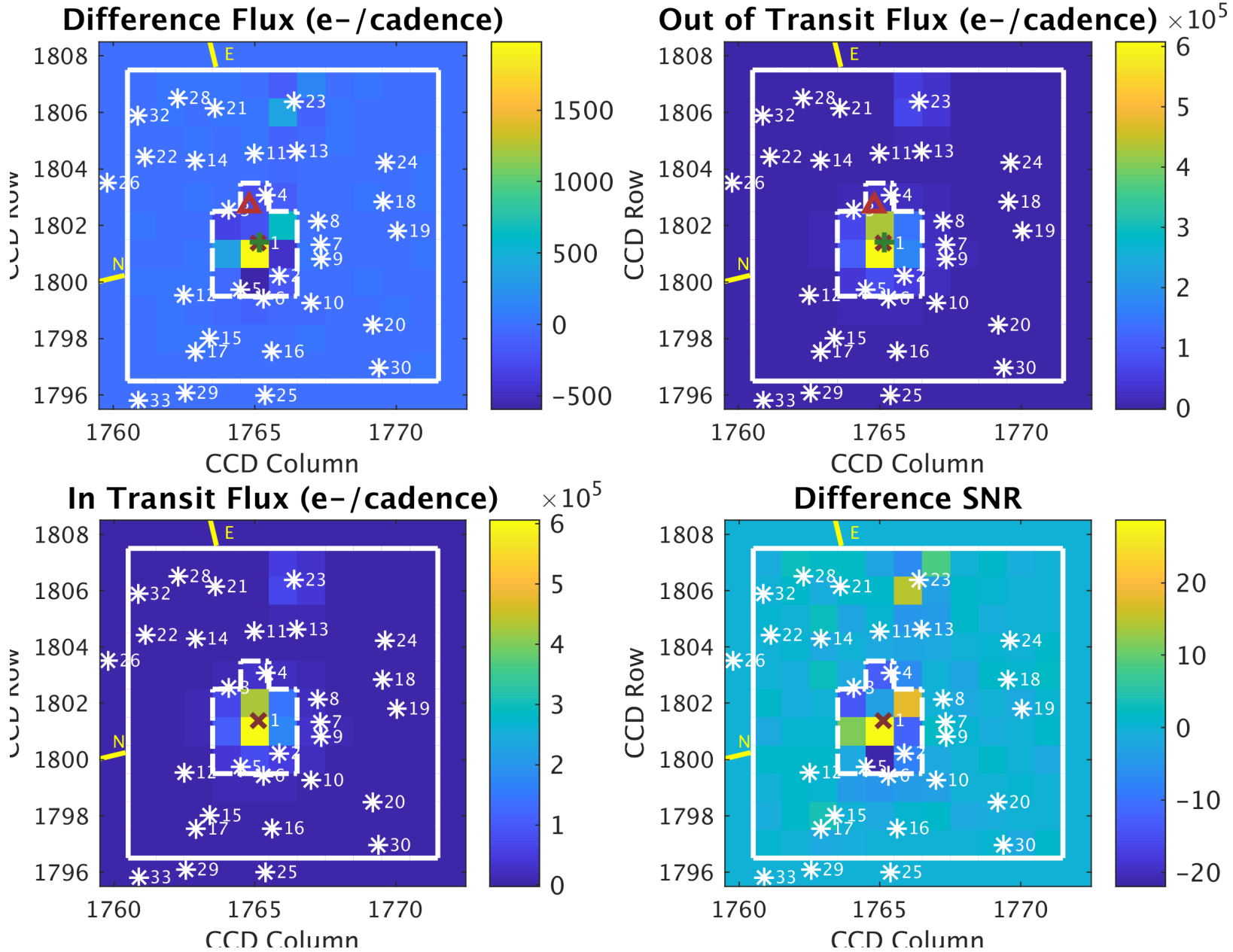


# Direct Image

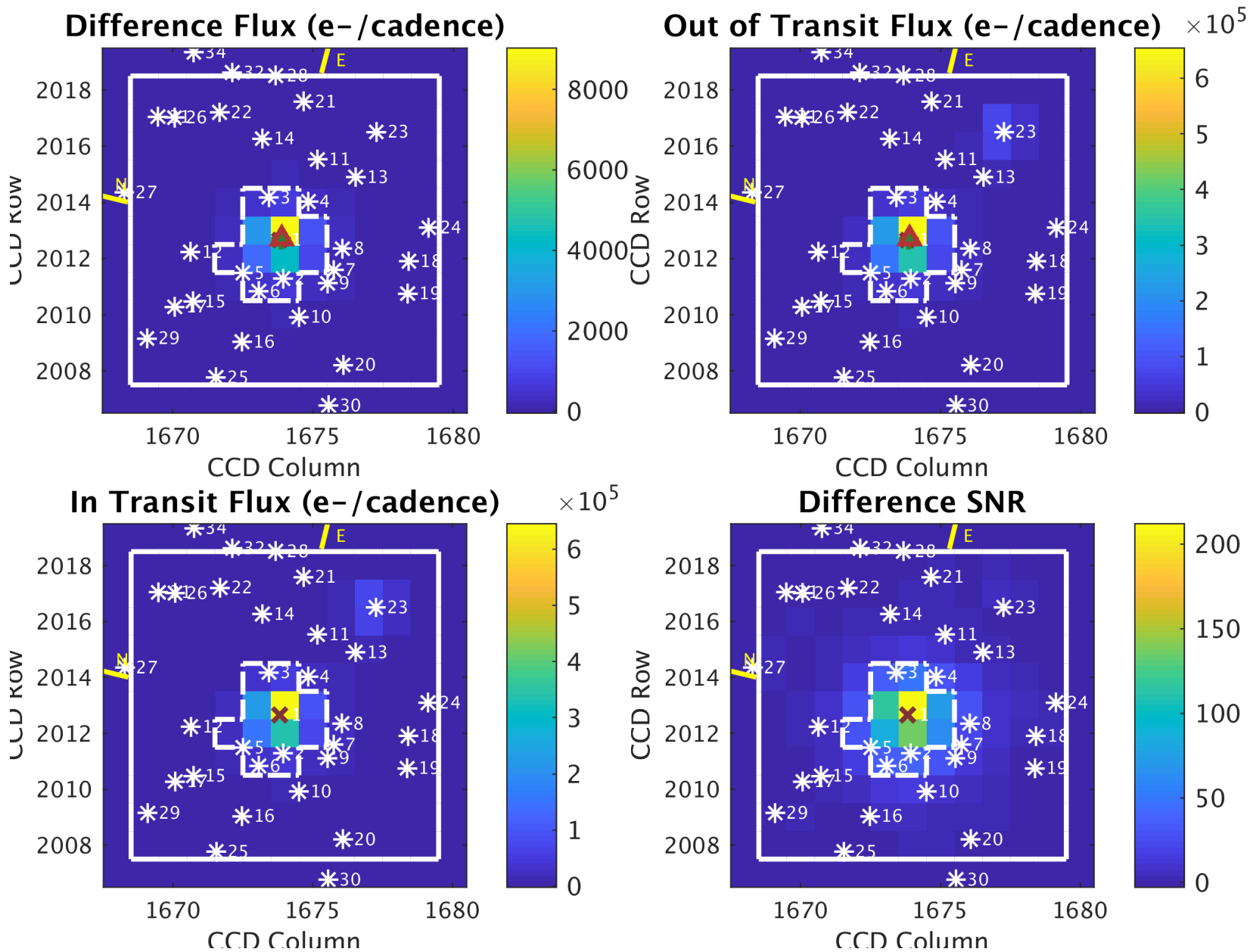
## Planet Candidate 3 / Sector 3 / Target Pixel Table 131



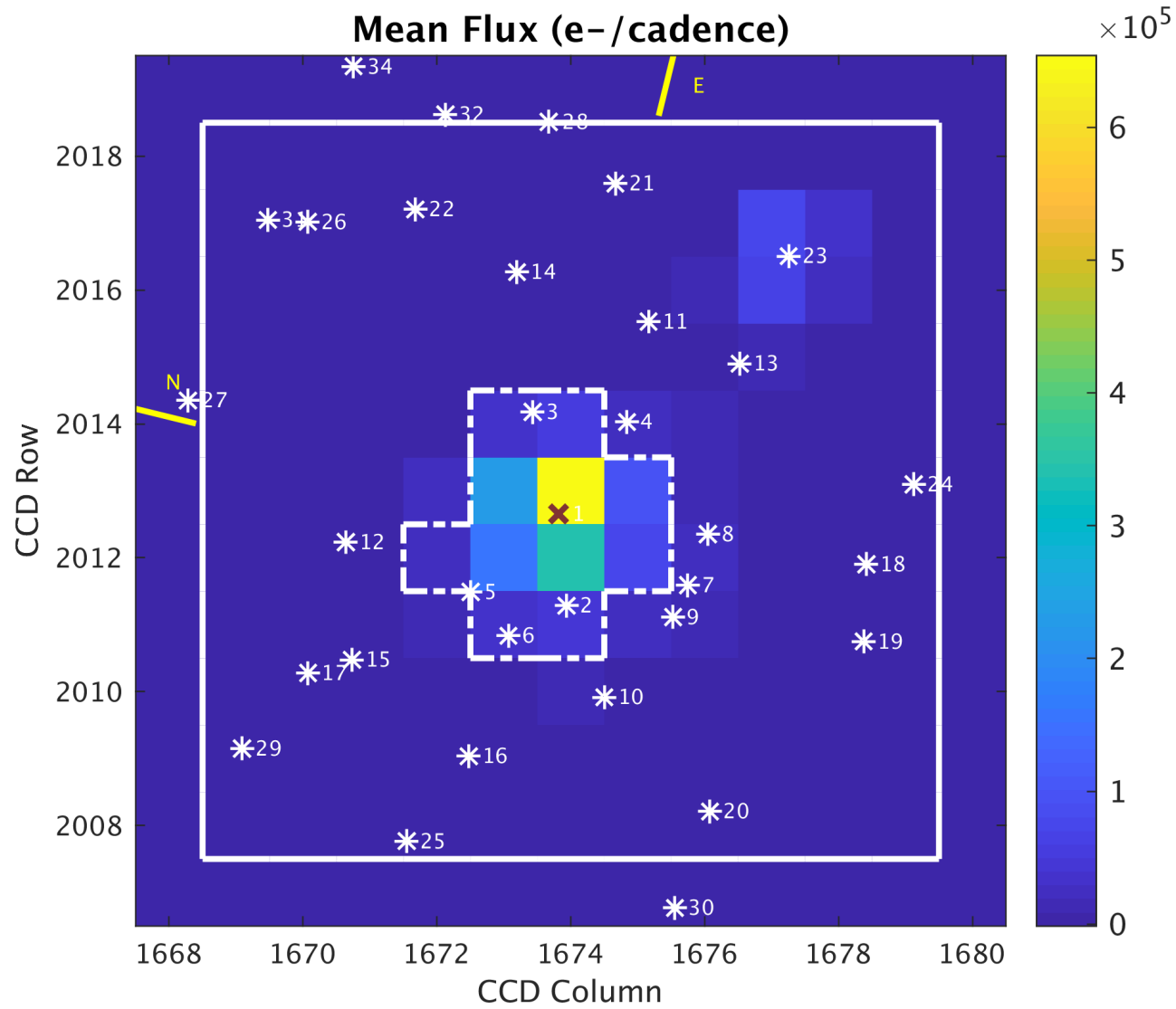
## Planet Candidate 4 / Sector 3 / Target Pixel Table 131



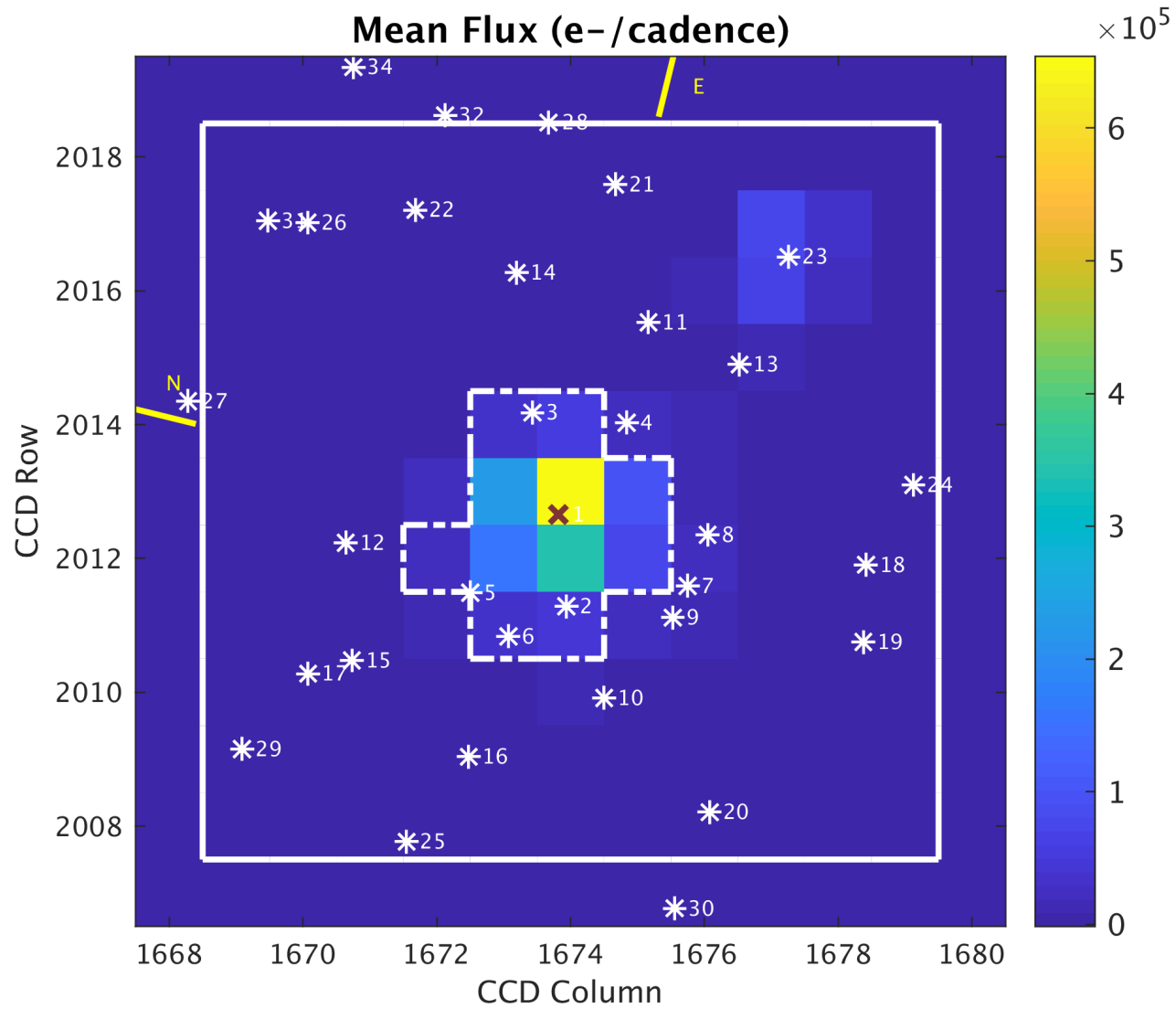
## Planet Candidate 1 / Sector 2 / Target Pixel Table 129



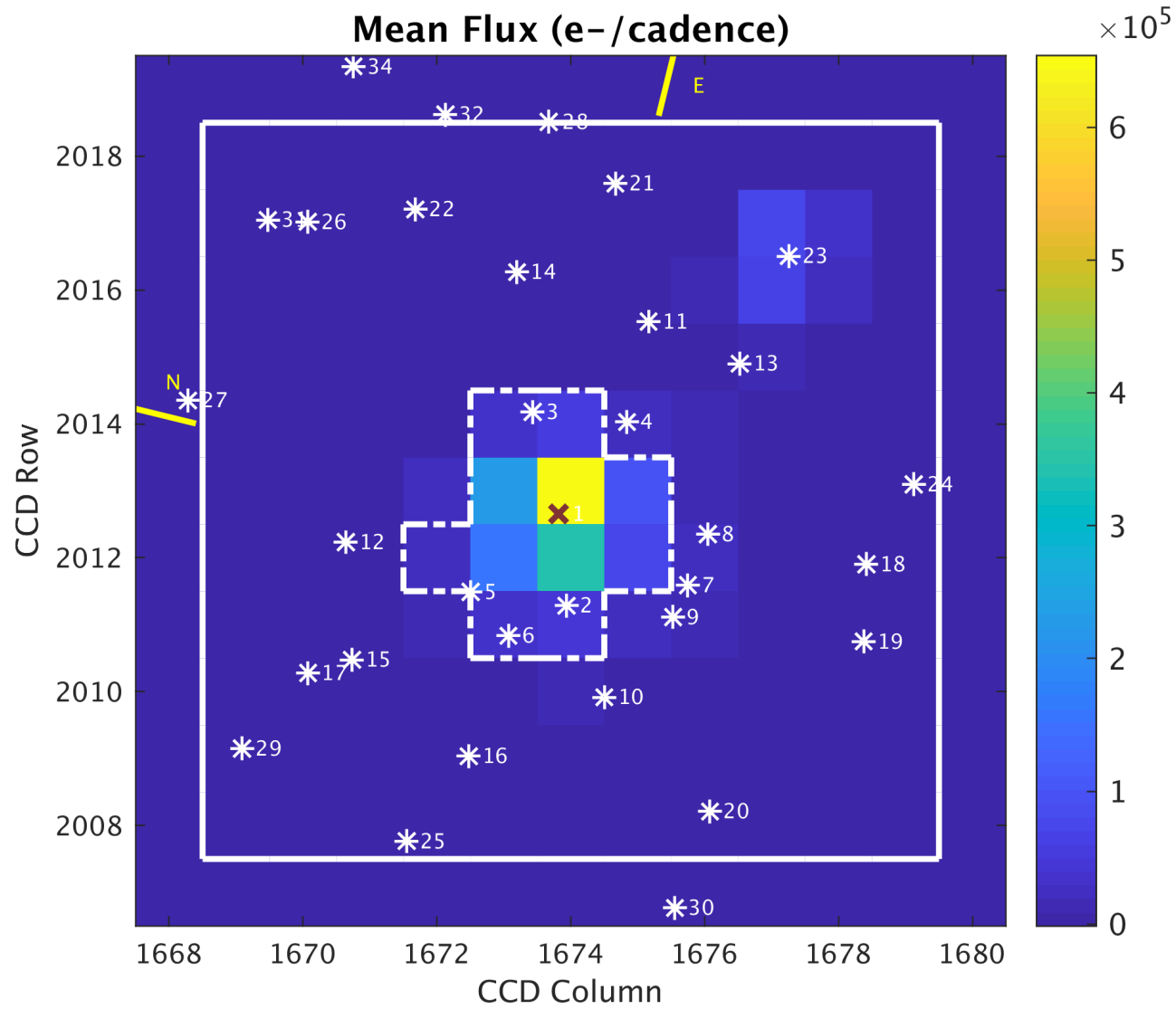
**Direct Image**  
**Planet Candidate 2 / Sector 2 / Target Pixel Table 129**



**Direct Image**  
**Planet Candidate 3 / Sector 2 / Target Pixel Table 129**

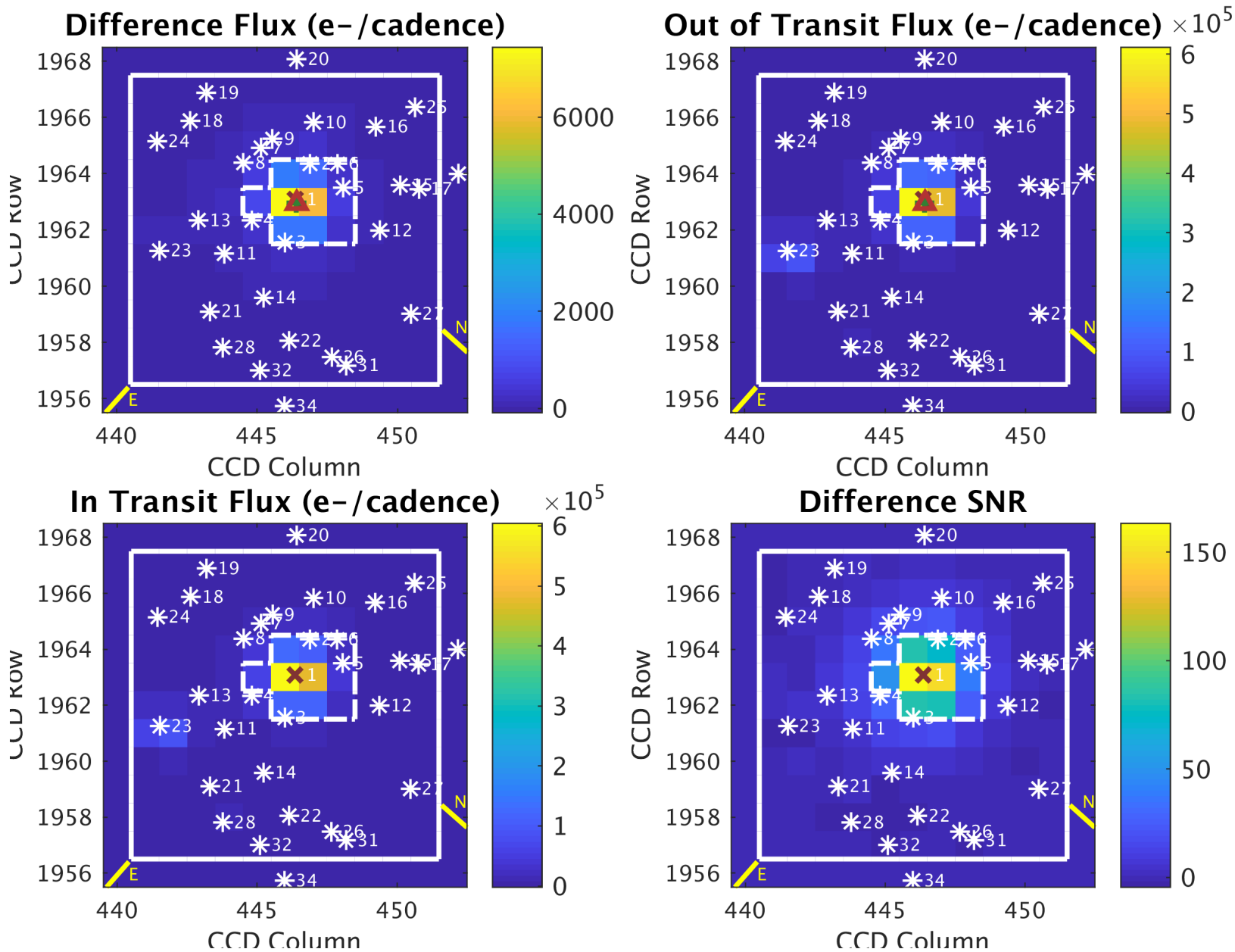


**Direct Image**  
**Planet Candidate 4 / Sector 2 / Target Pixel Table 129**

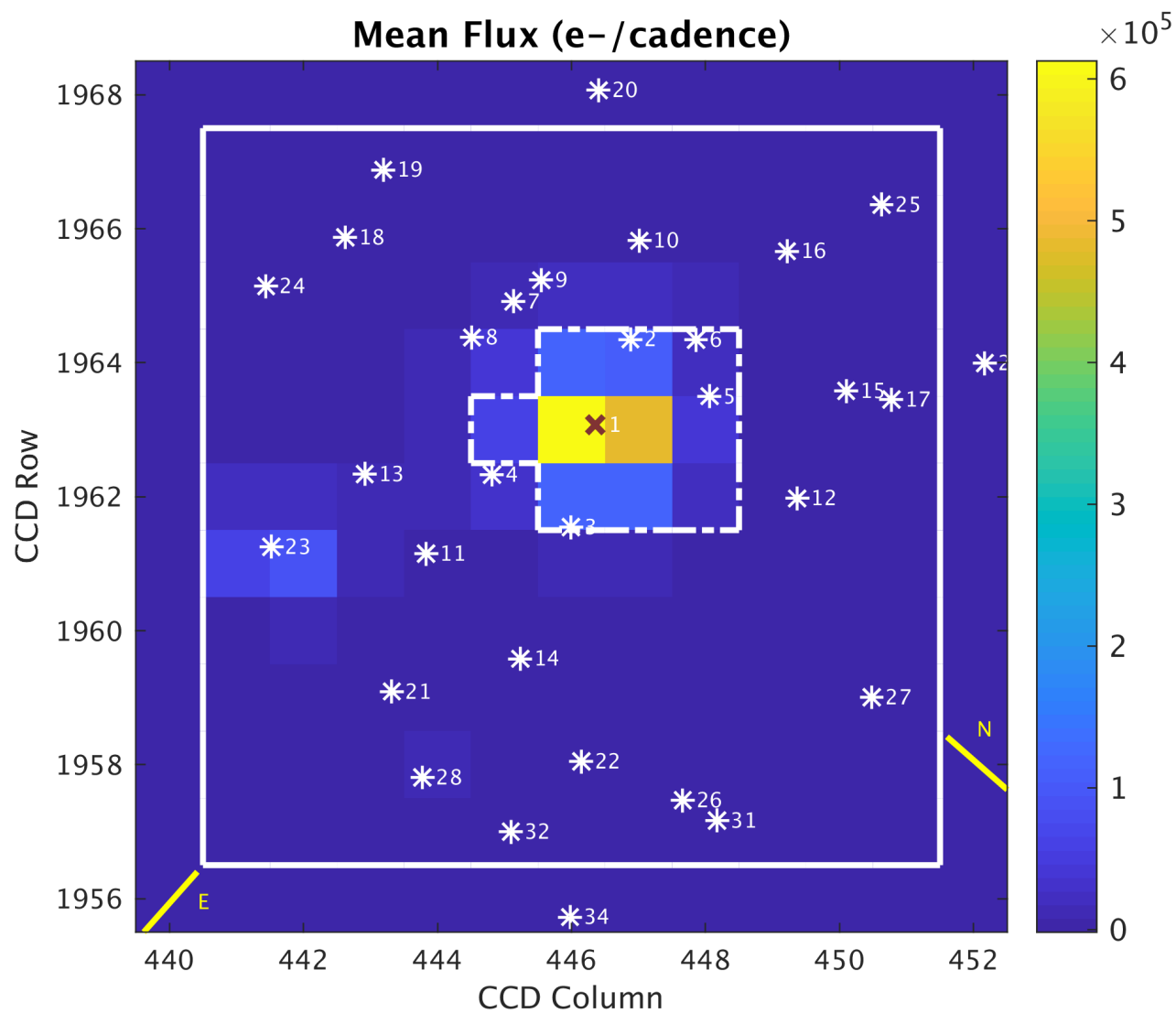




## Planet Candidate 1 / Sector 1 / Target Pixel Table 128

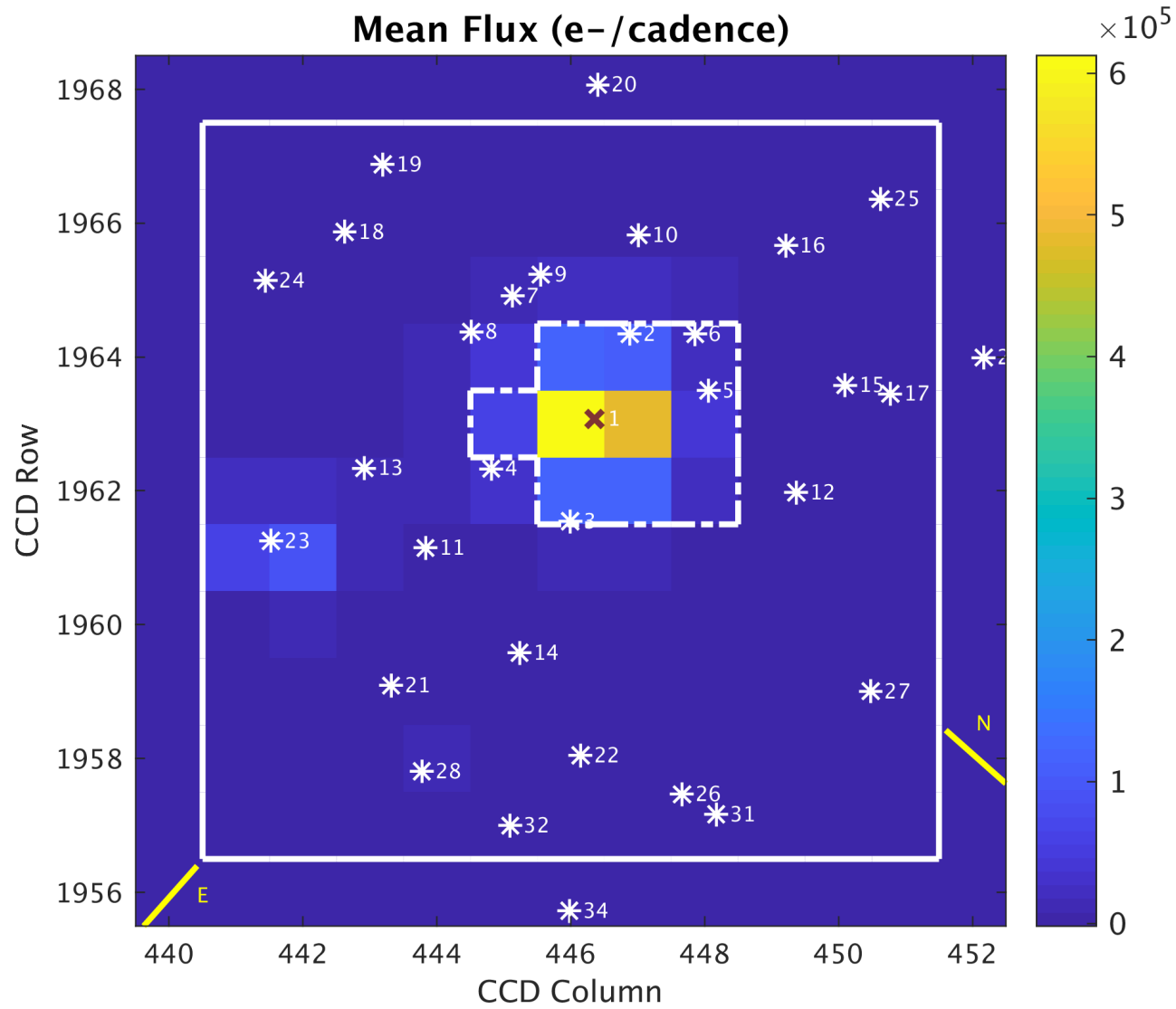


**Direct Image**  
**Planet Candidate 2 / Sector 1 / Target Pixel Table 128**



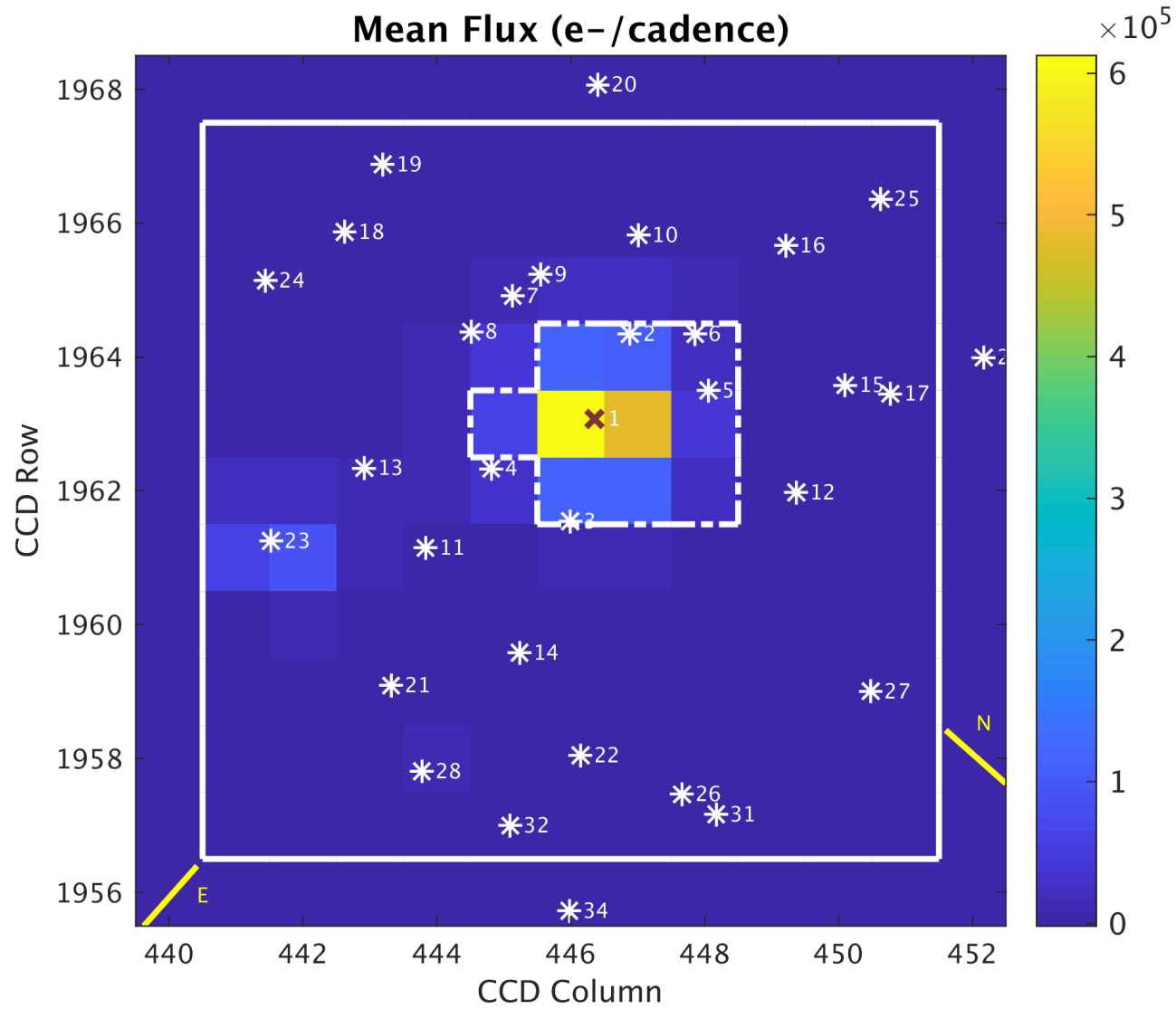
# Direct Image

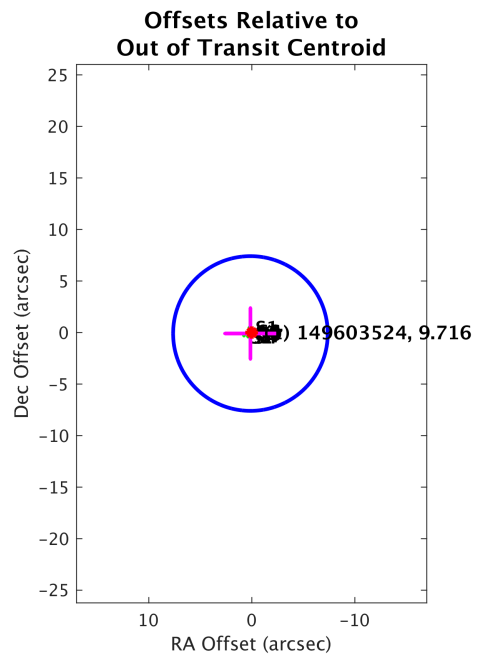
## Planet Candidate 3 / Sector 1 / Target Pixel Table 128



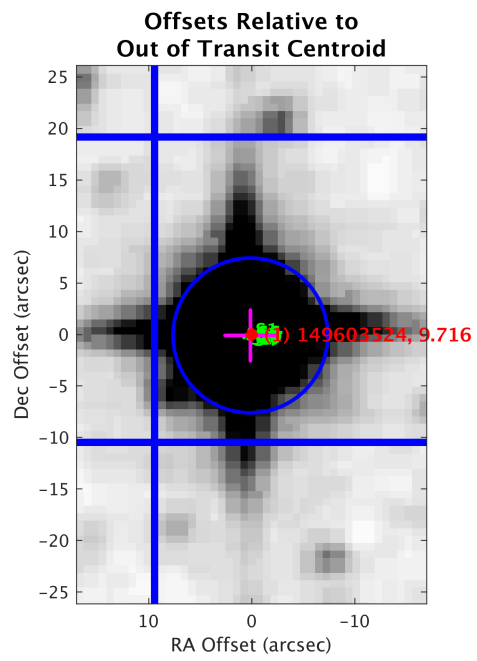
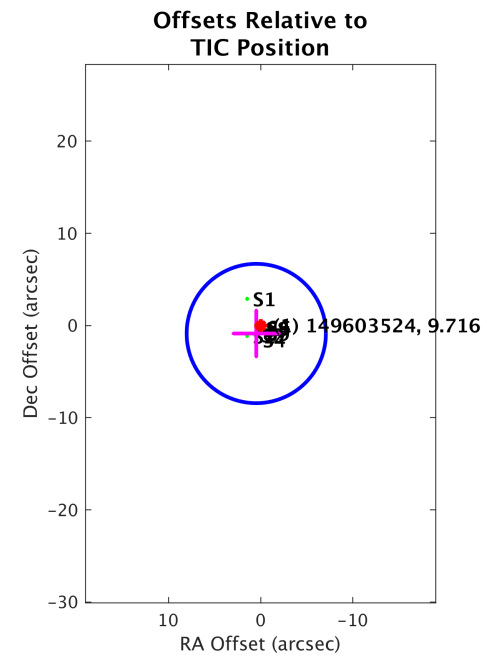
# Direct Image

## Planet Candidate 4 / Sector 1 / Target Pixel Table 128

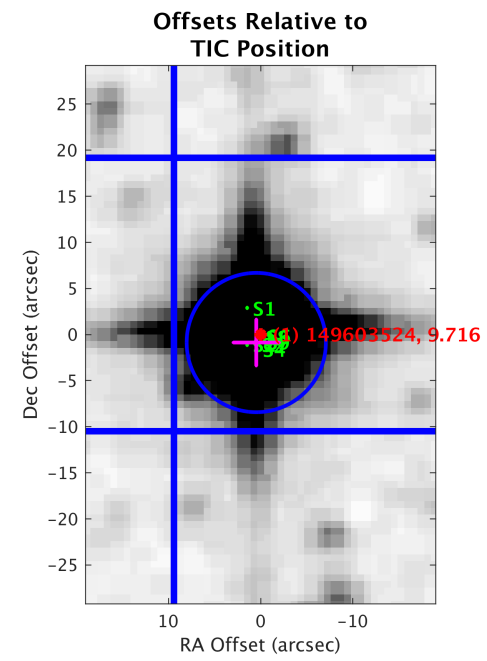


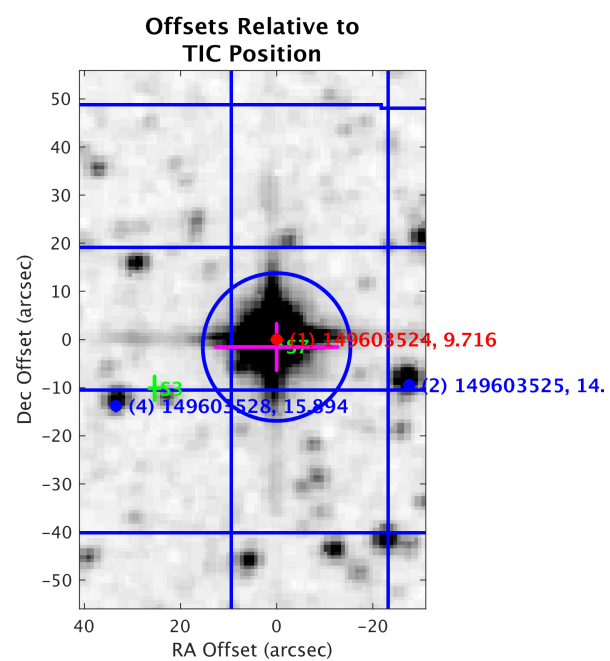
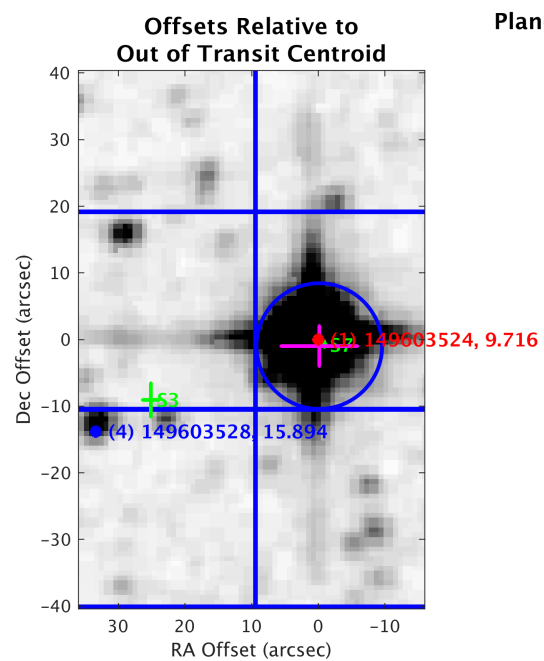
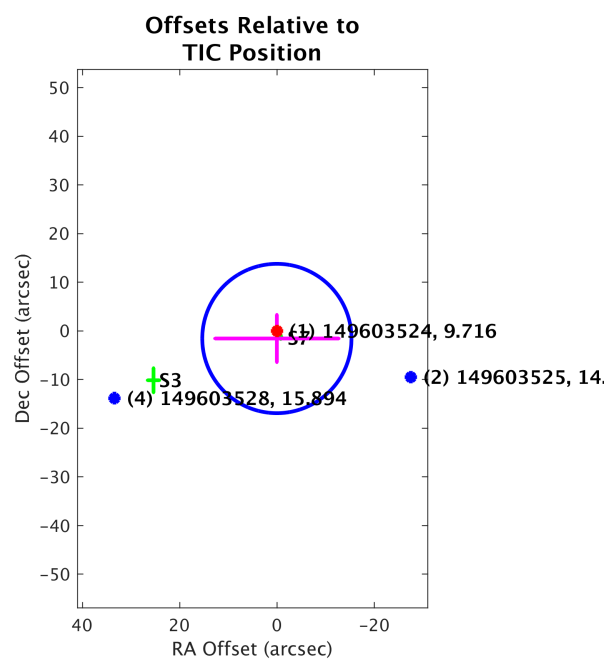
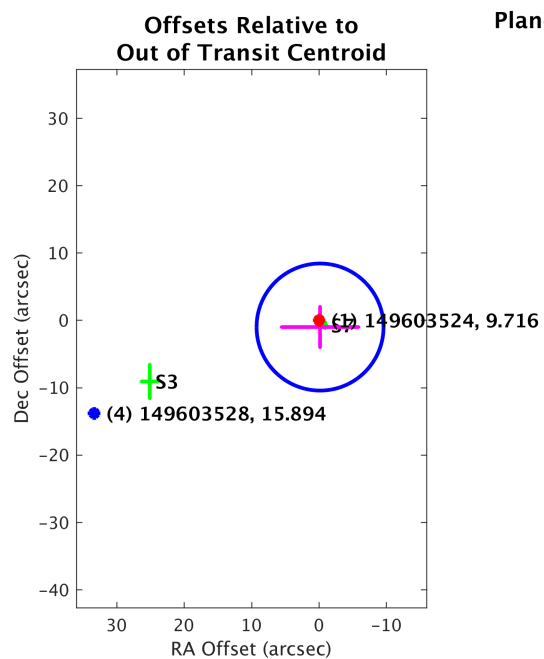


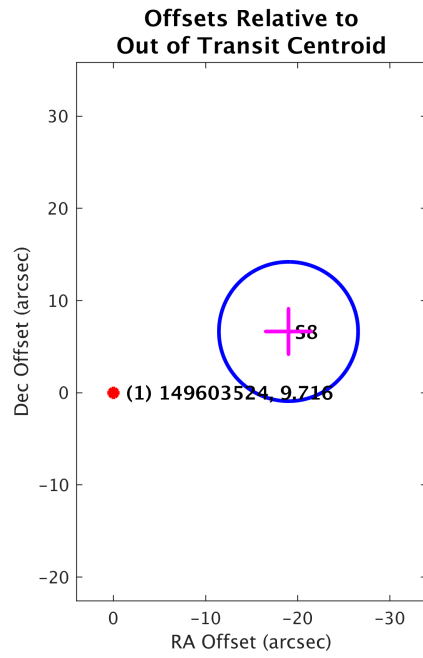
Planet Candidate 1



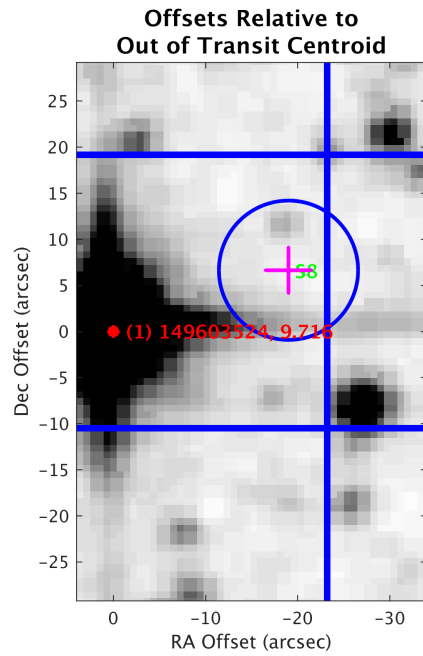
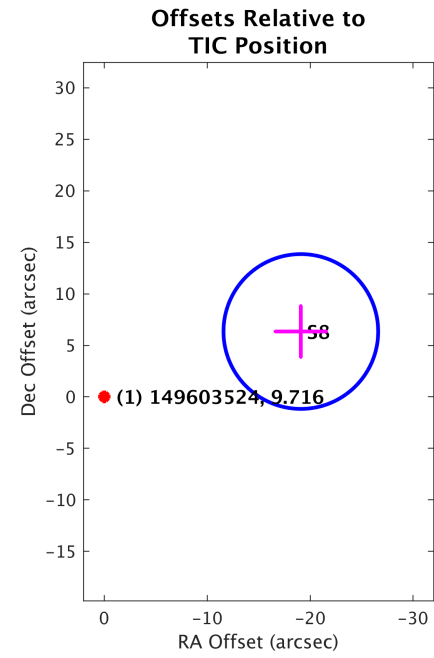
Planet Candidate 1



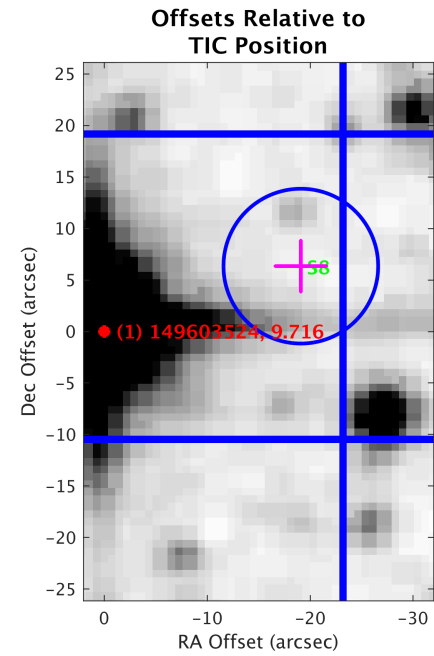


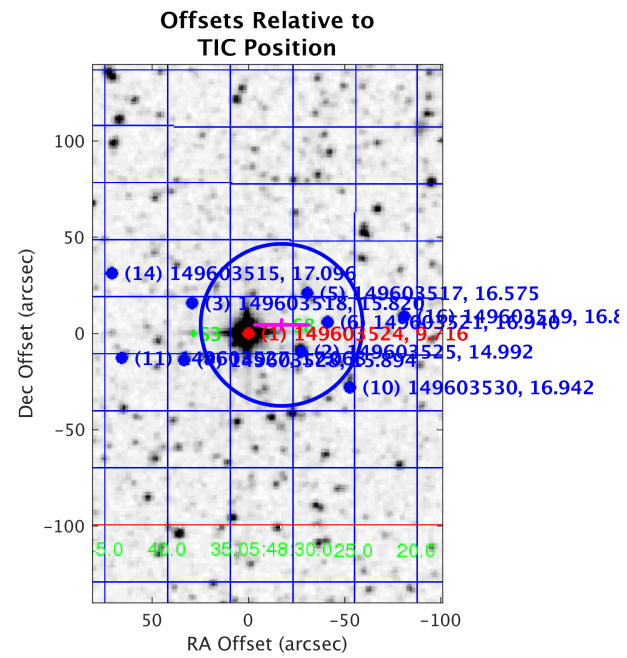
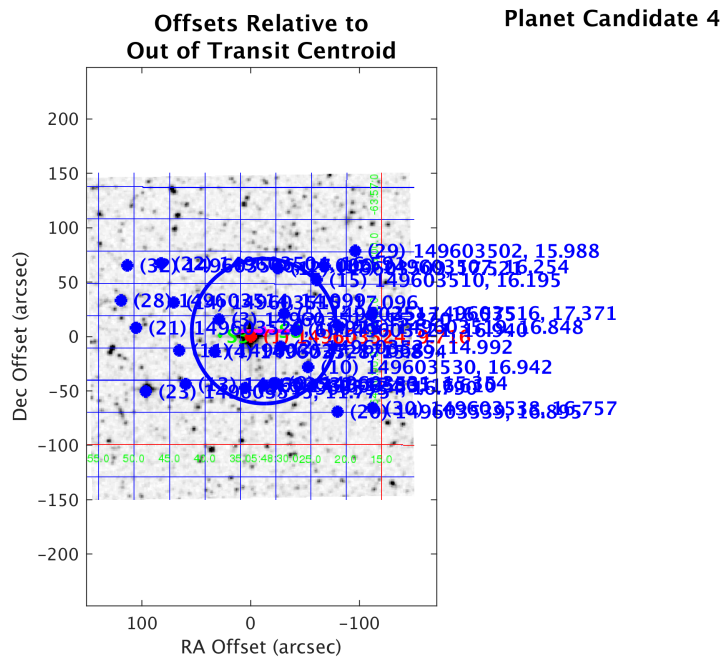
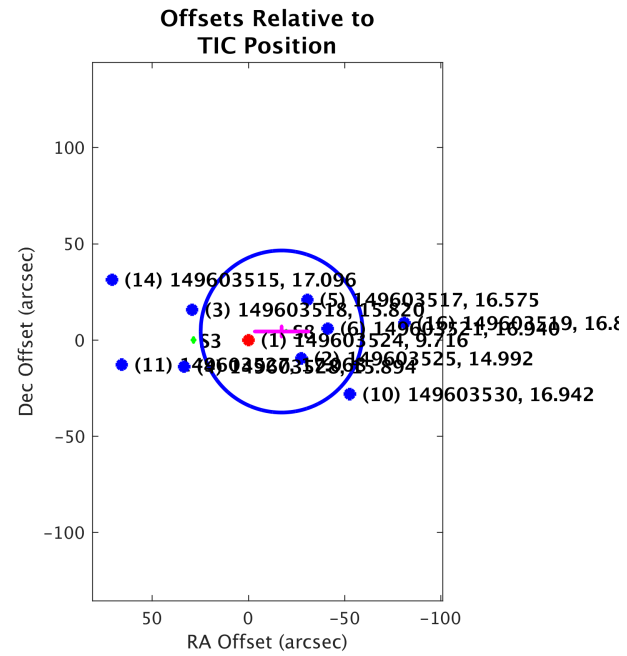
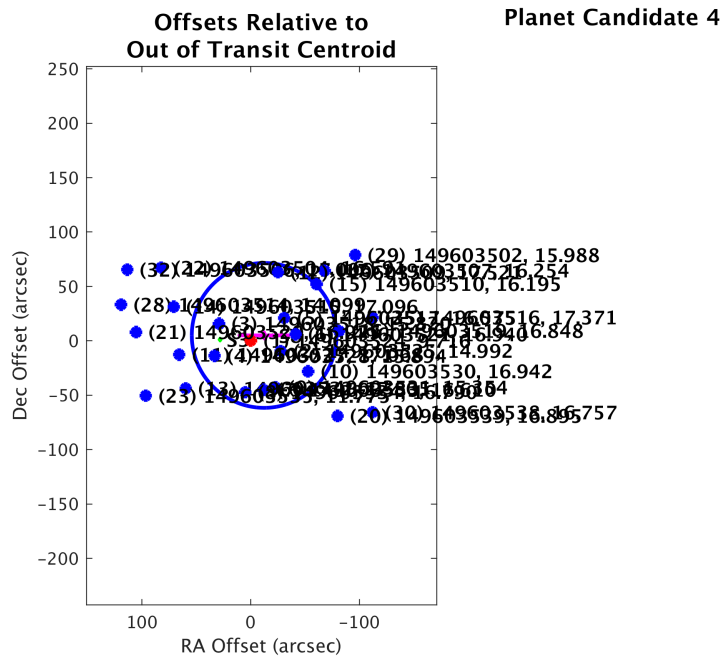


Planet Candidate 3

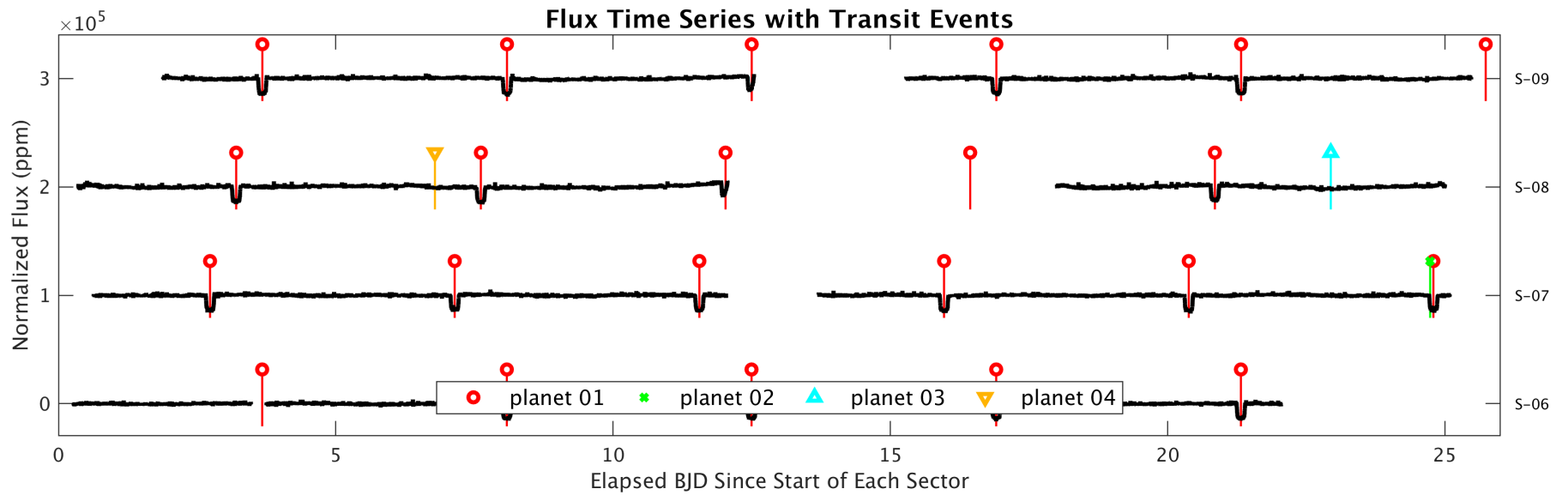
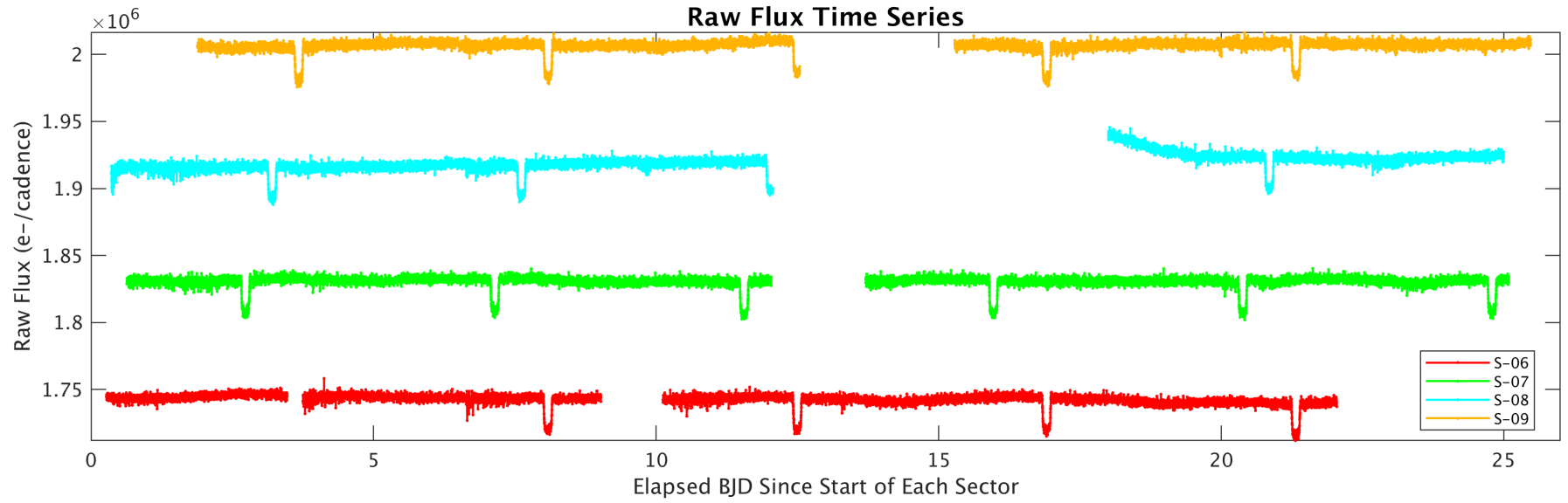


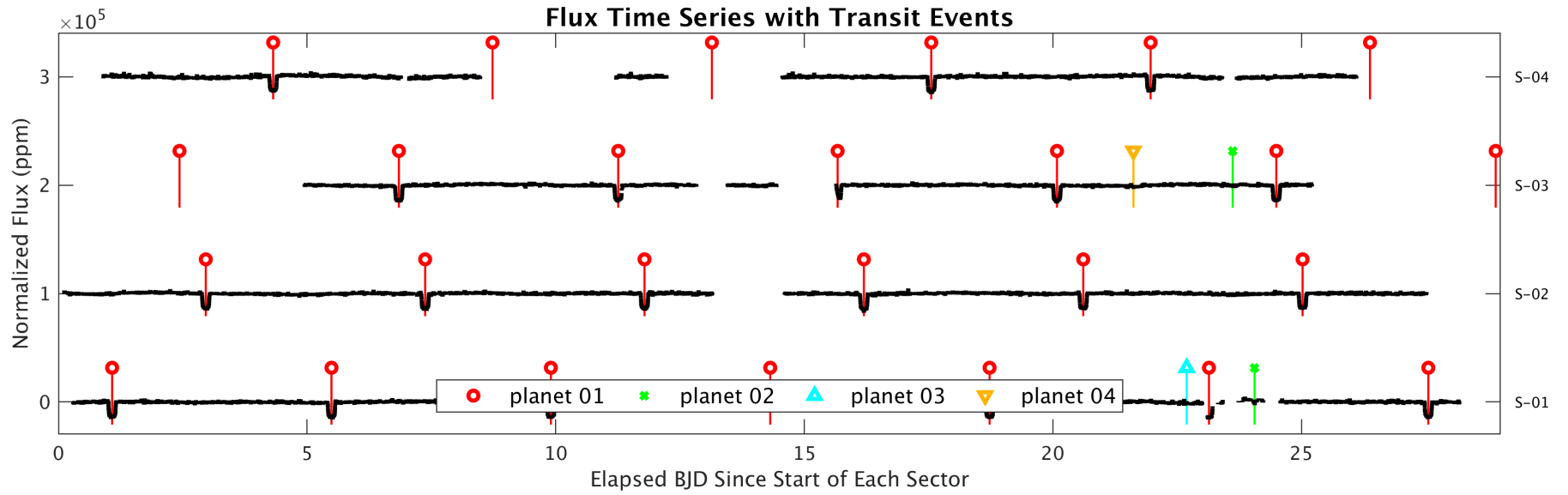
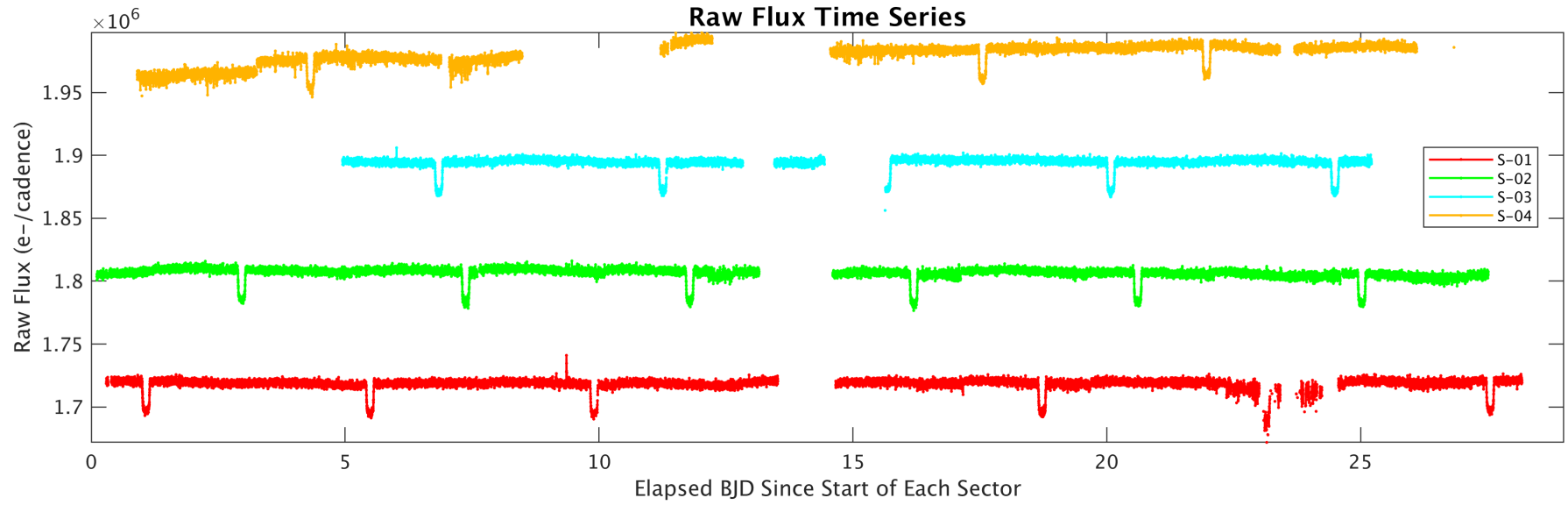
Planet Candidate 3

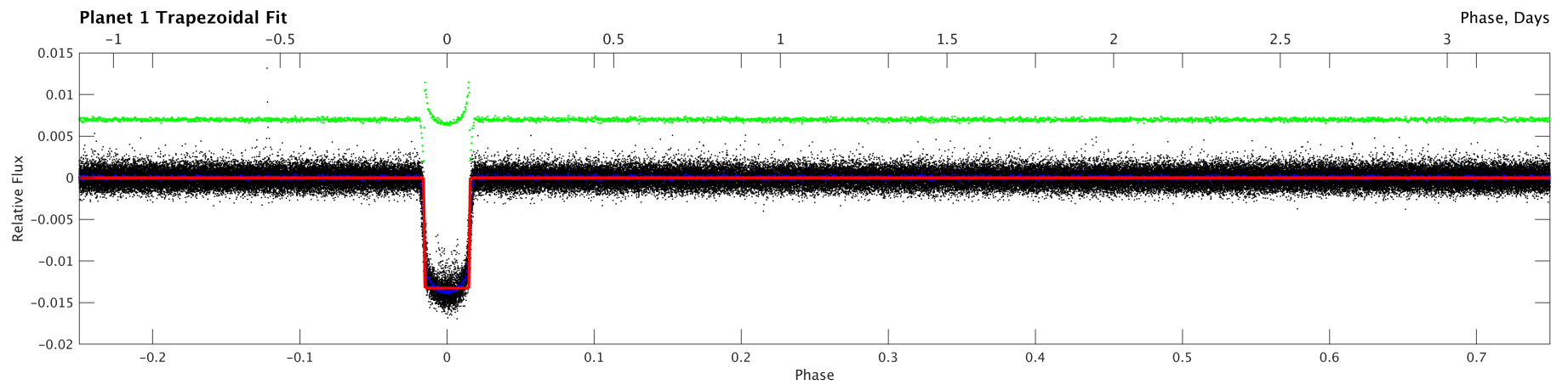
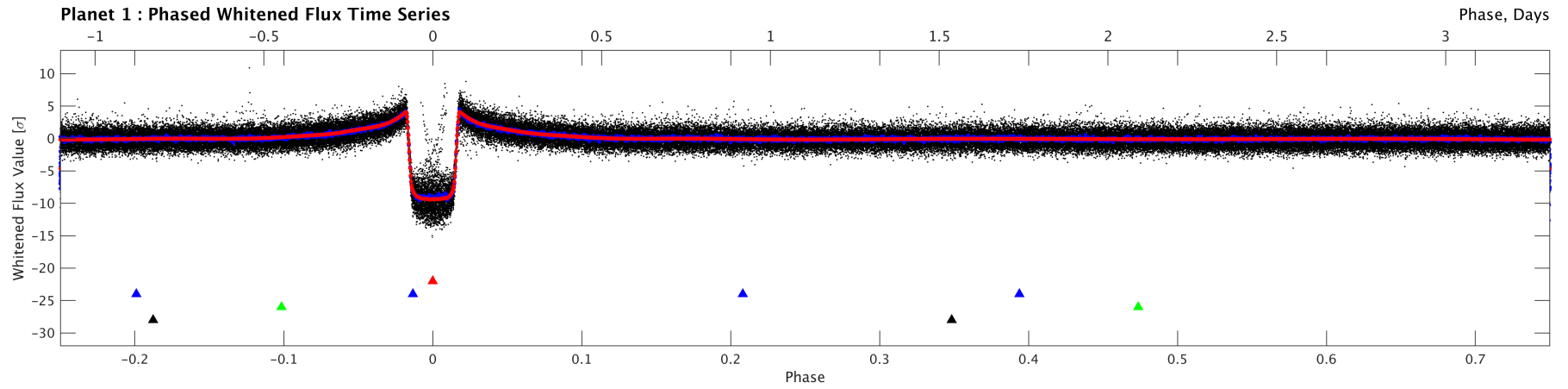
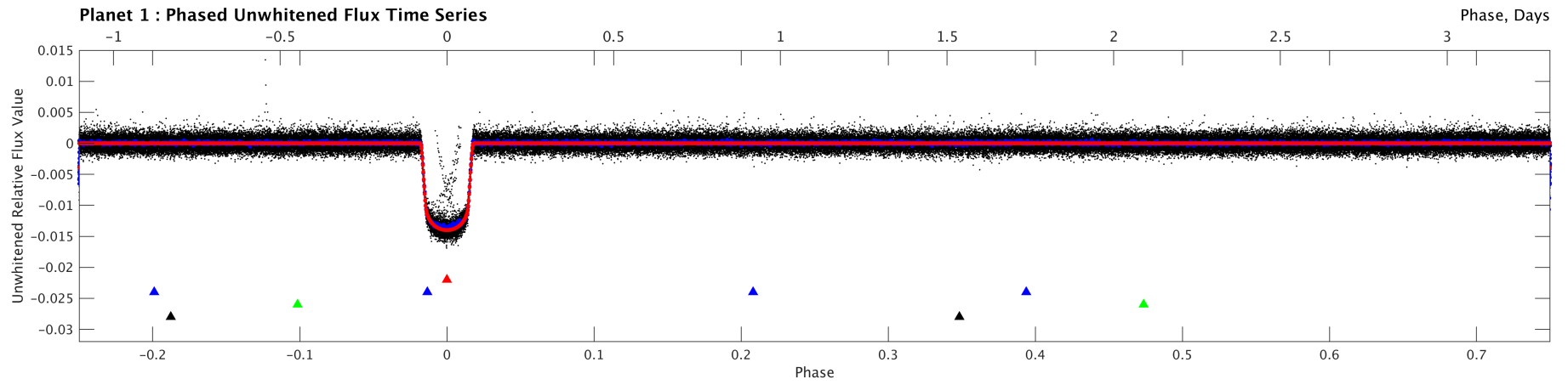


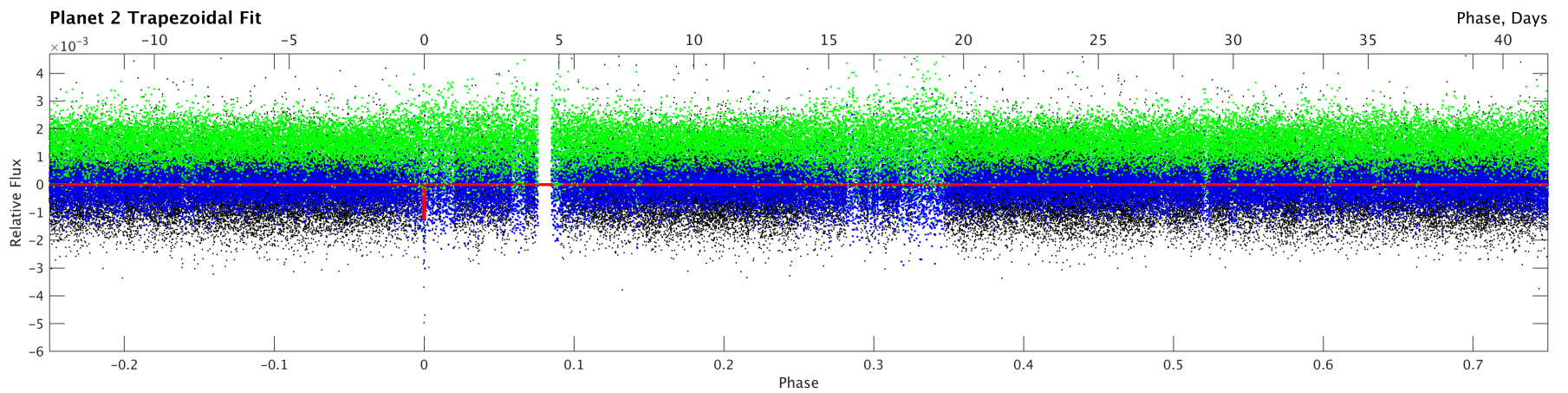
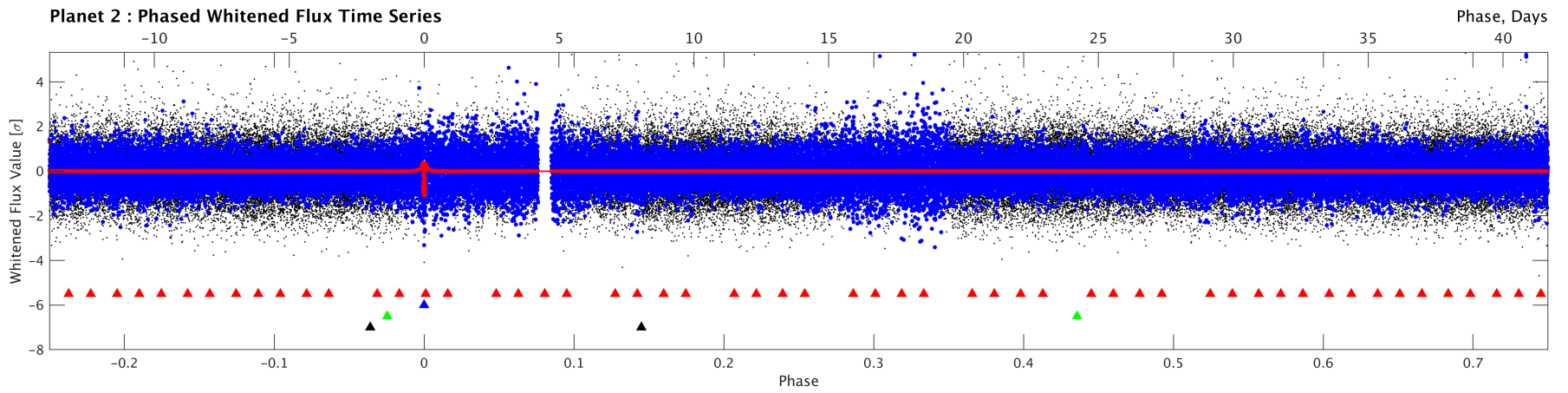
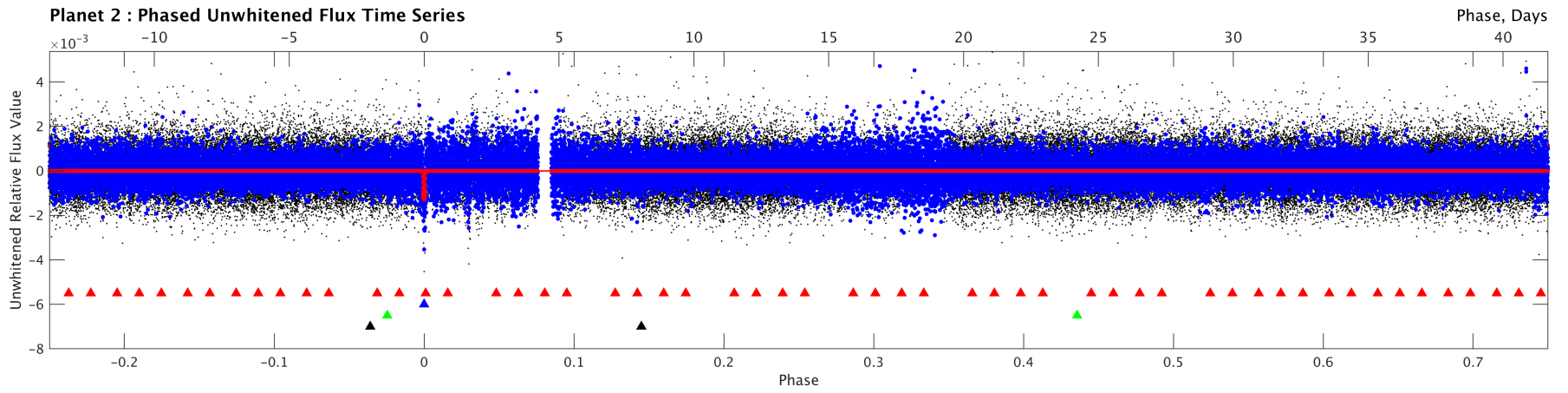


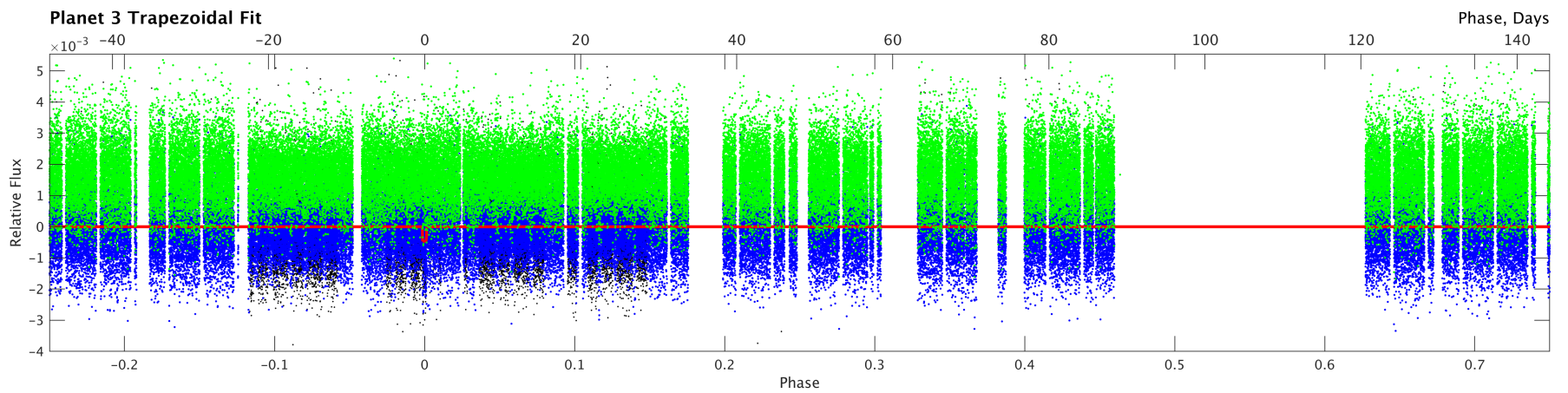
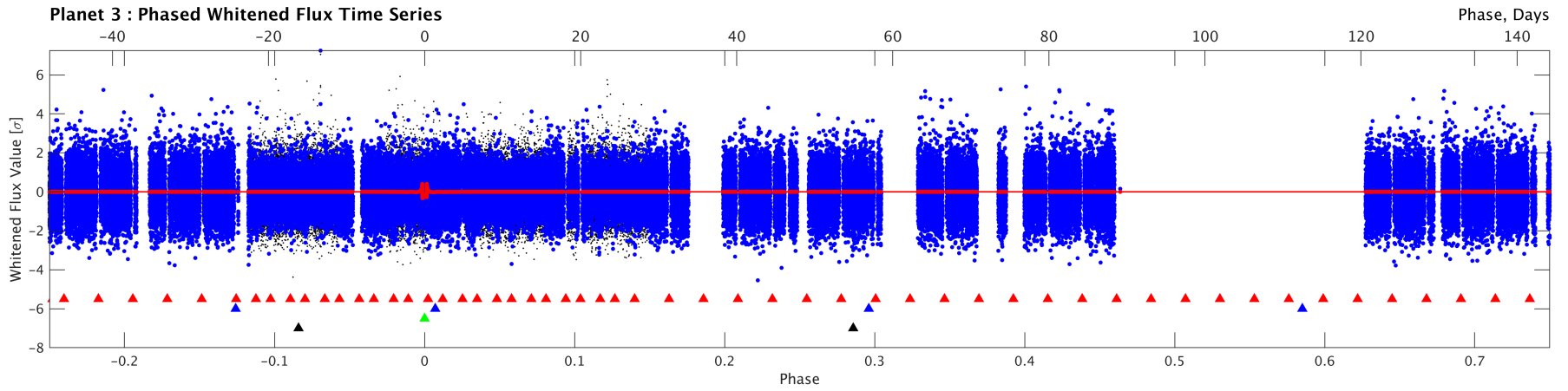
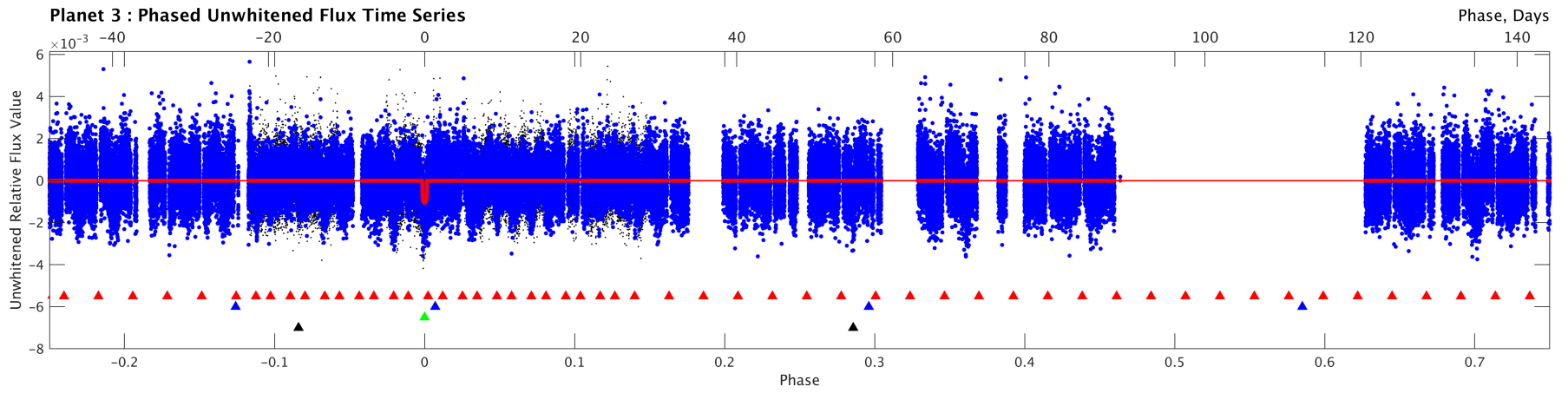


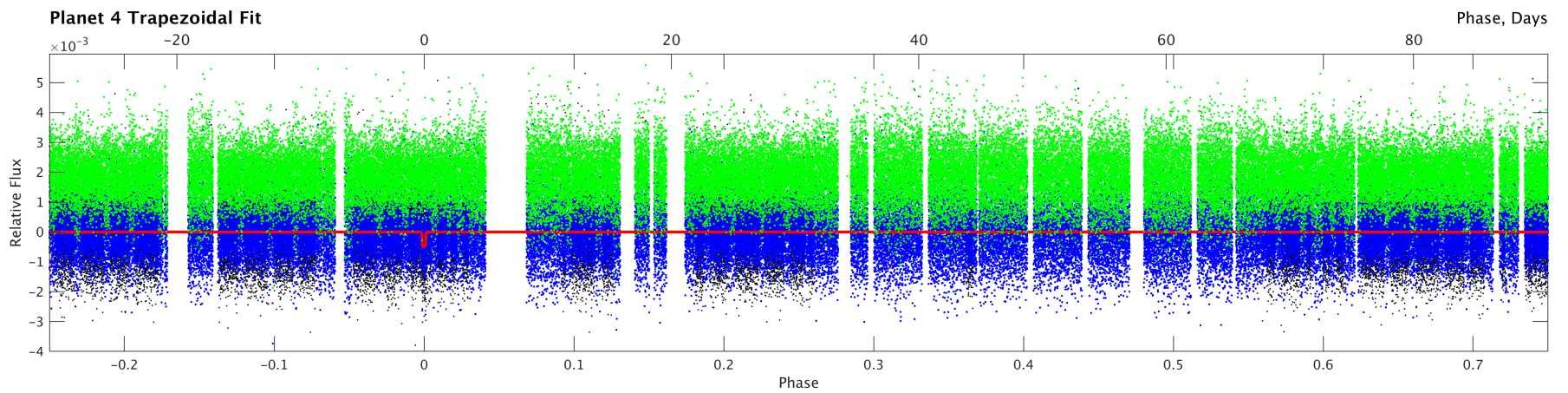
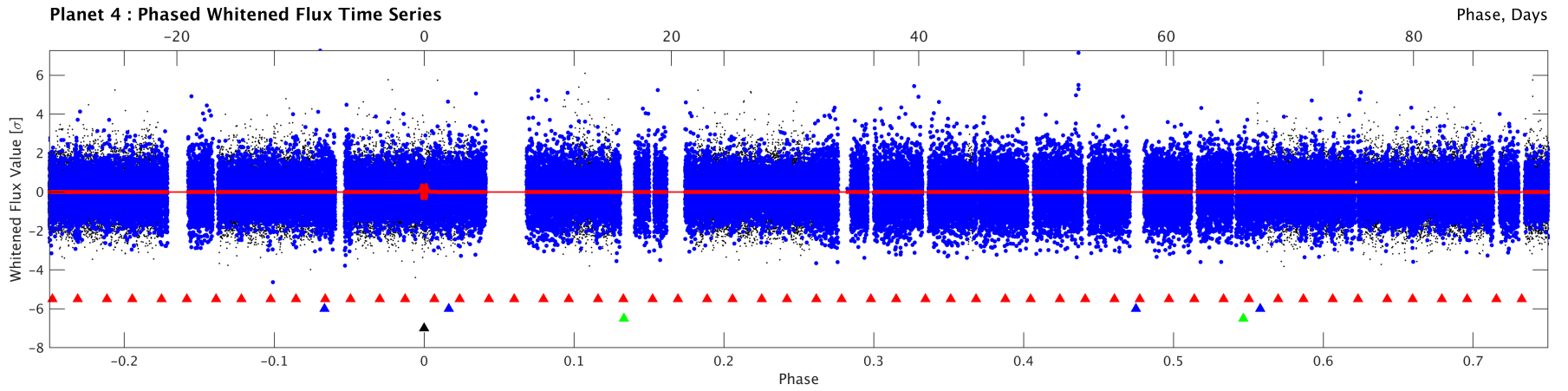
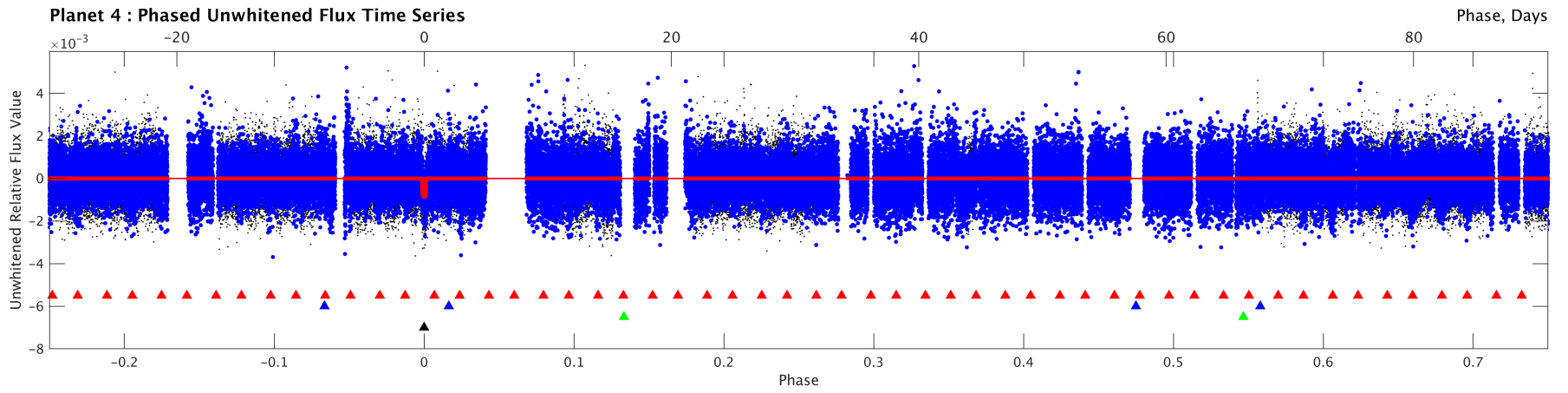






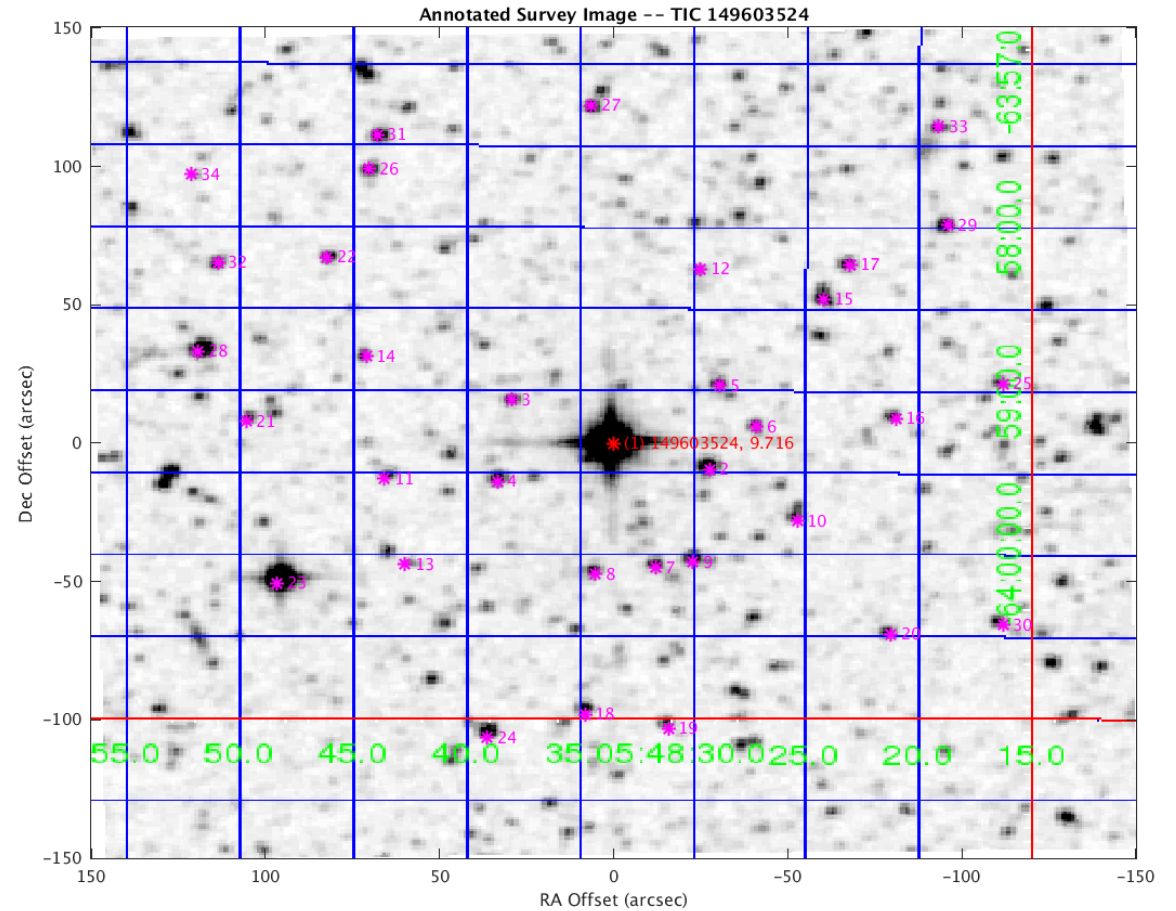






Stellar Distance Table

Index	TIC ID	TESS Mag	Distance (arcsec)
1	0000000149603524	9.72	0.00
2	0000000149603525	14.99	29.12
3	0000000149603518	15.82	33.24
4	0000000149603528	15.89	36.15
5	0000000149603517	16.58	37.11
6	0000000149603521	16.94	41.59
7	0000000149603533	16.61	46.56
8	0000000149603534	16.79	47.49
9	0000000149603531	15.35	48.60
10	0000000149603530	16.94	59.73
11	0000000149603527	17.07	67.06
12	0000000149603509	17.52	67.67
13	0000000149603532	17.81	74.22
14	0000000149603515	17.10	77.54
15	0000000149603510	16.19	79.75
16	0000000149603519	16.85	81.58
17	0000000149603507	16.25	93.59
18	0000000149603543	16.06	98.28
19	0000000149603546	17.15	104.30
20	0000000149603539	16.90	105.48
21	0000000149603520	16.98	105.87
22	0000000149603504	16.59	106.30
23	0000000149603535	11.77	109.05
24	0000000149603547	15.71	112.36
25	0000000149603516	17.37	113.91
26	0000000149603500	16.39	121.55
27	0000000149603494	16.63	122.21
28	0000000149603514	14.10	123.91
29	0000000149603502	15.99	124.20
30	0000000149603538	16.76	129.81
31	0000000149603498	15.55	130.48
32	0000000149603506	17.01	131.12
33	0000000149603496	17.23	147.68
34	0000000149603501	17.79	155.45



Distances are corrected for proper motion. This table may not contain all of the objects shown.