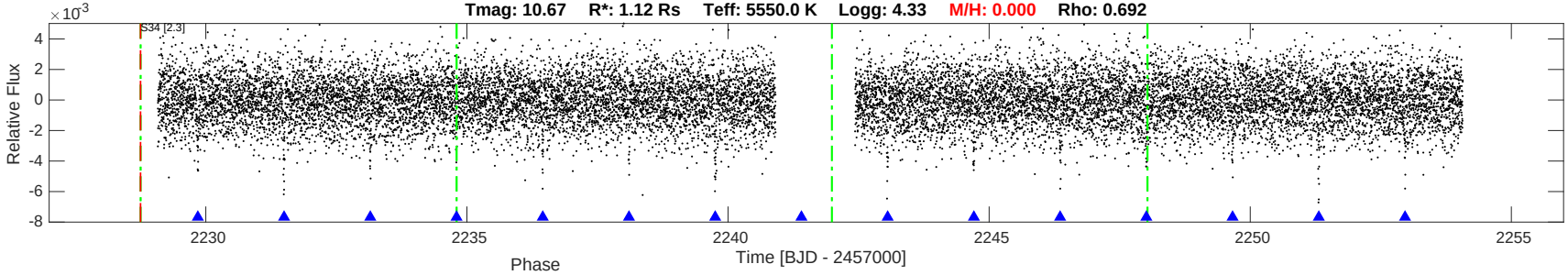
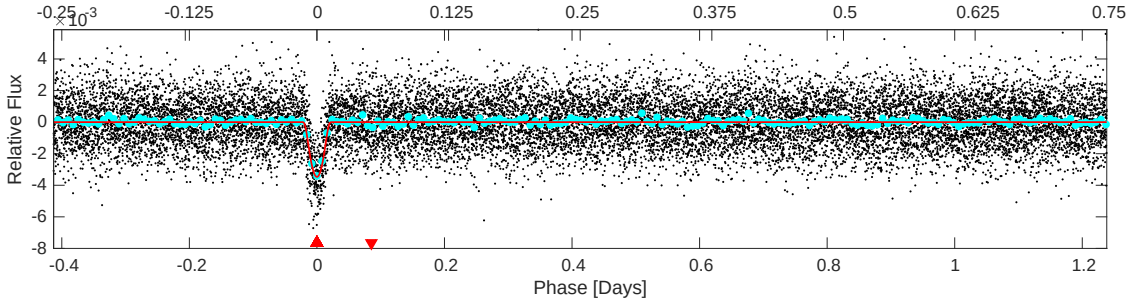
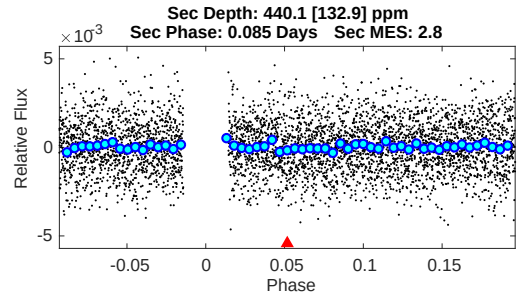
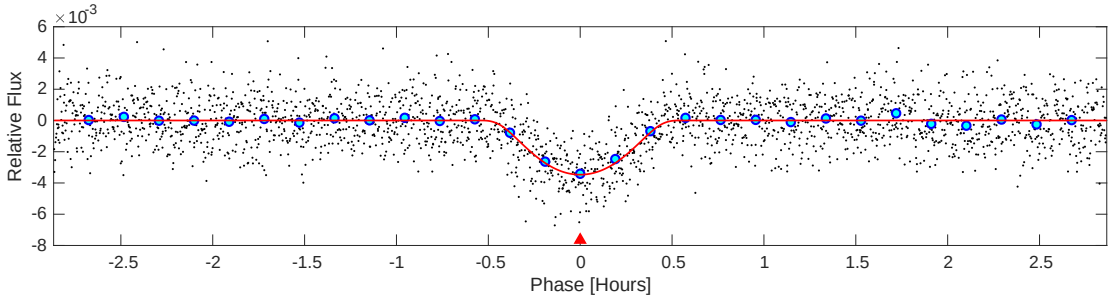
TIC: 1003831 Candidate: 1 of 1 Period: 1.651 d
TOI: 564.01 Corr: 0.891

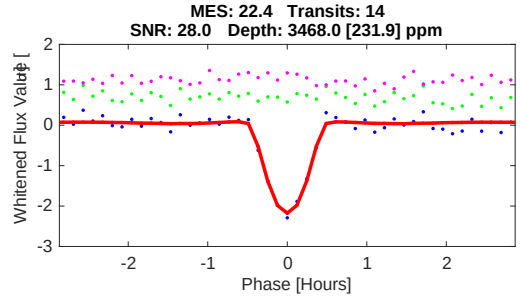
Tmag: 10.67 R*: 1.12 Rs Teff: 5550.0 K Logg: 4.33 M/H: 0.000 Rho: 0.692

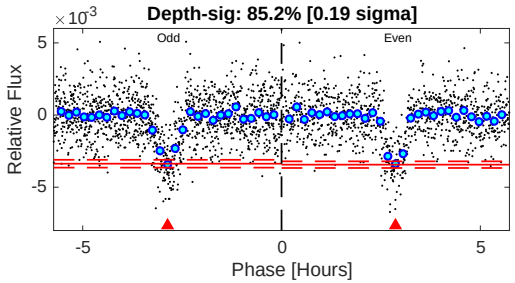


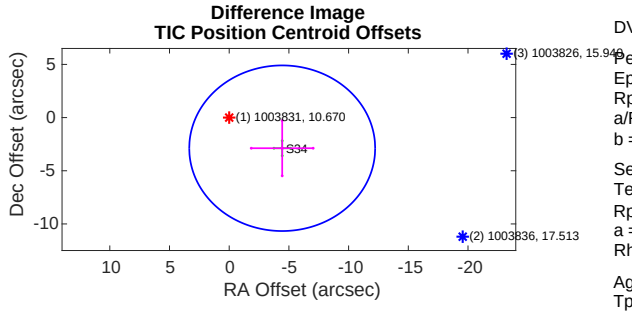












DV Fit Results:

Period = 1.65120 [0.00009] d
Epoch = 2229.8473 [0.0007] BTJD
Rp/R* = 0.0765 [0.0382]
a/R* = 6.41 [1.18]
b = 0.96 [0.07]

Seff = 1452.32 [215.04]
Teq = 1574 [58] K
Rp = 9.36 [4.70] Re
a = 0.0271 [0.0018] AU
Rho = 1.300 [0.718]

Ag = 2.03 [2.14] [0.48 sigma]
Tp = 2907 [762] K [1.74 sigma]

DV Diagnostic Results:

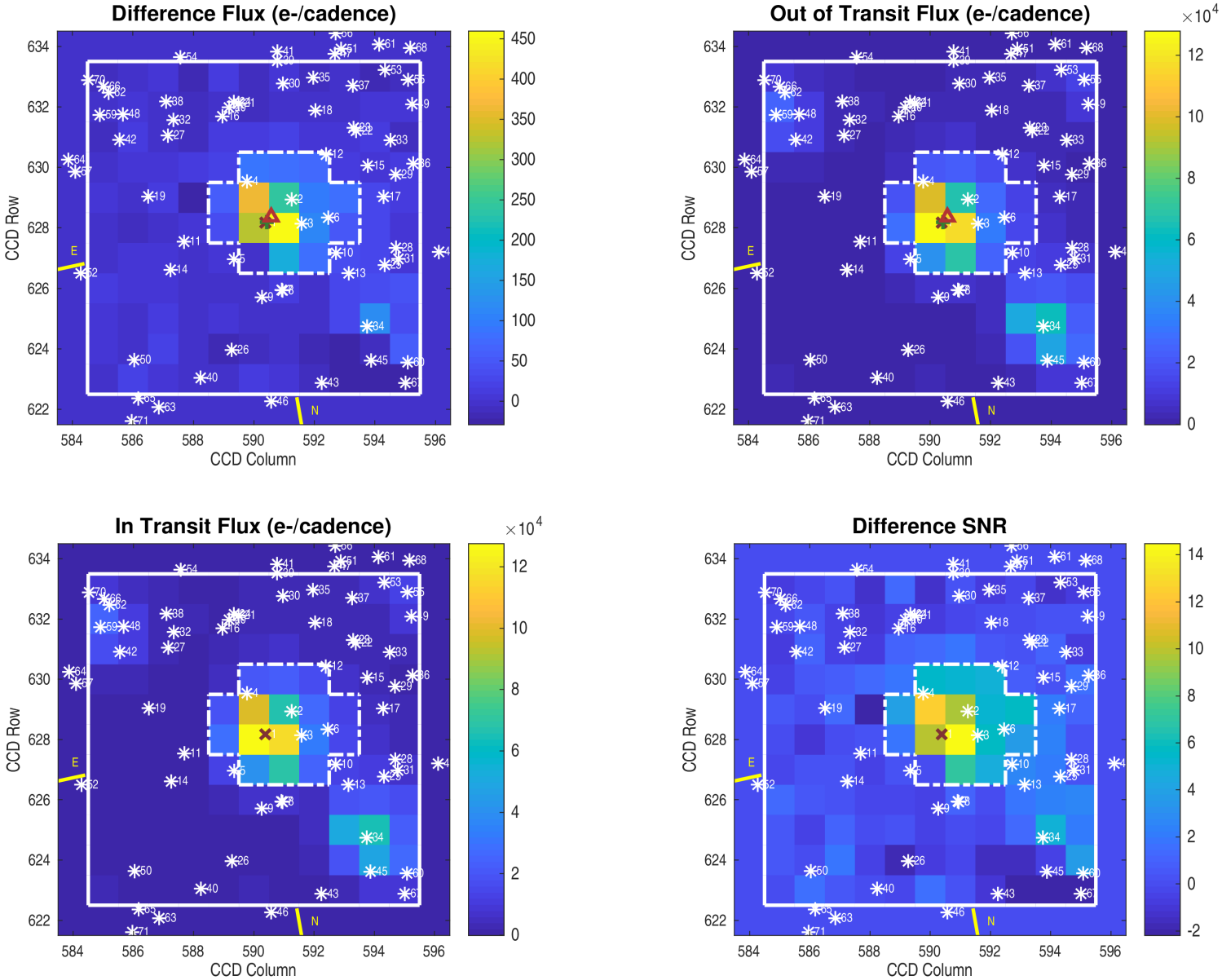
ShortPeriod-sig: N/A
LongPeriod-sig: N/A
ModelChiSquare2-sig: 98.2%
ModelChiSquareGof-sig: 100.0%
Bootstrap-pfa: 4.27e-110
GhostDiagnostic-chr: 8.539

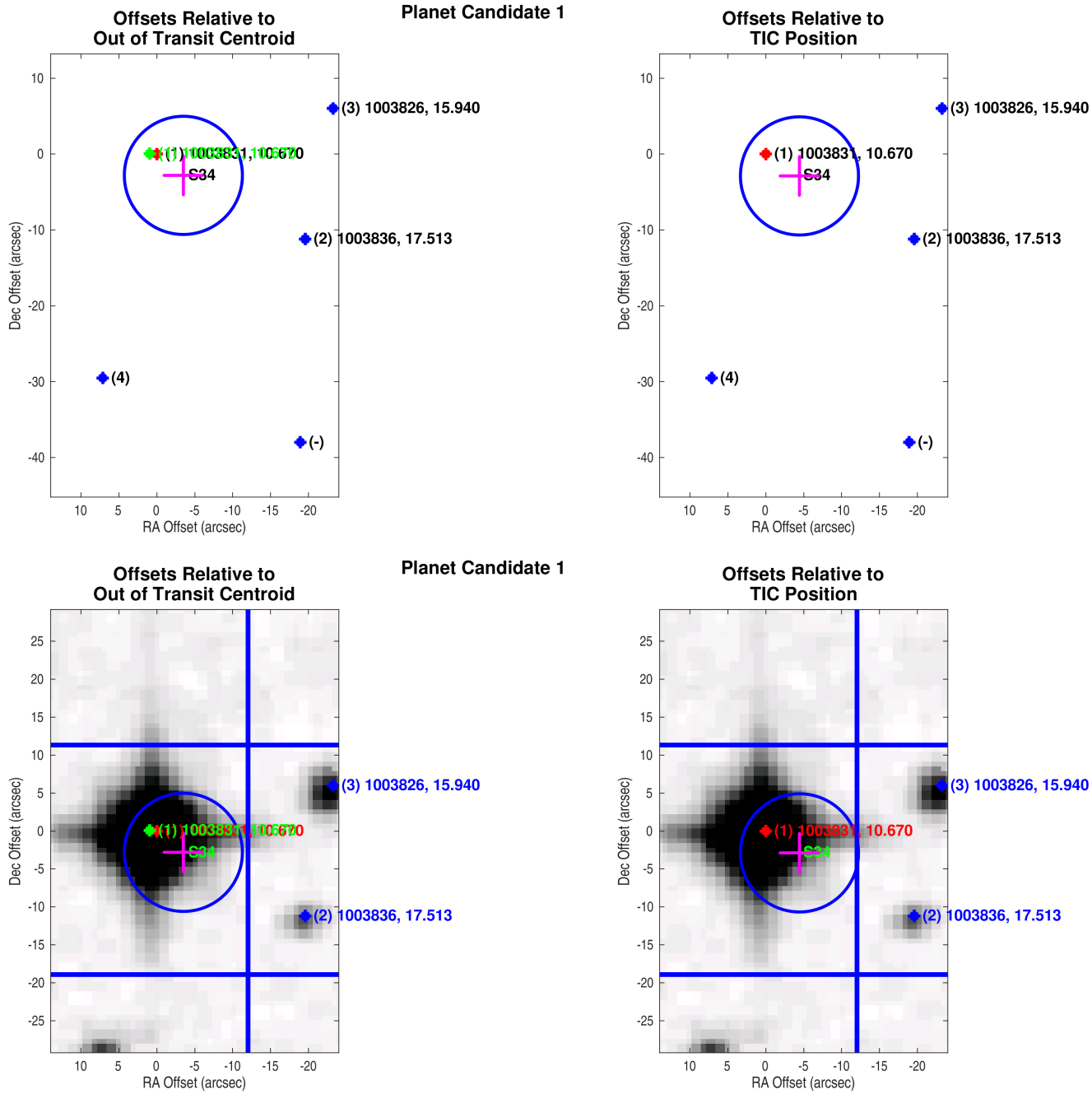
OotOffset-rm: 4.486 arcsec [1.73 sigma]
TicOffset-rm: 5.292 arcsec [2.04 sigma]
OotOffset-tot: 1
TicOffset-tot: 1
DiffImageQuality-fgm: 1.00 [1/1]
DiffImageOverlap-fno: 1.00 [1/1]

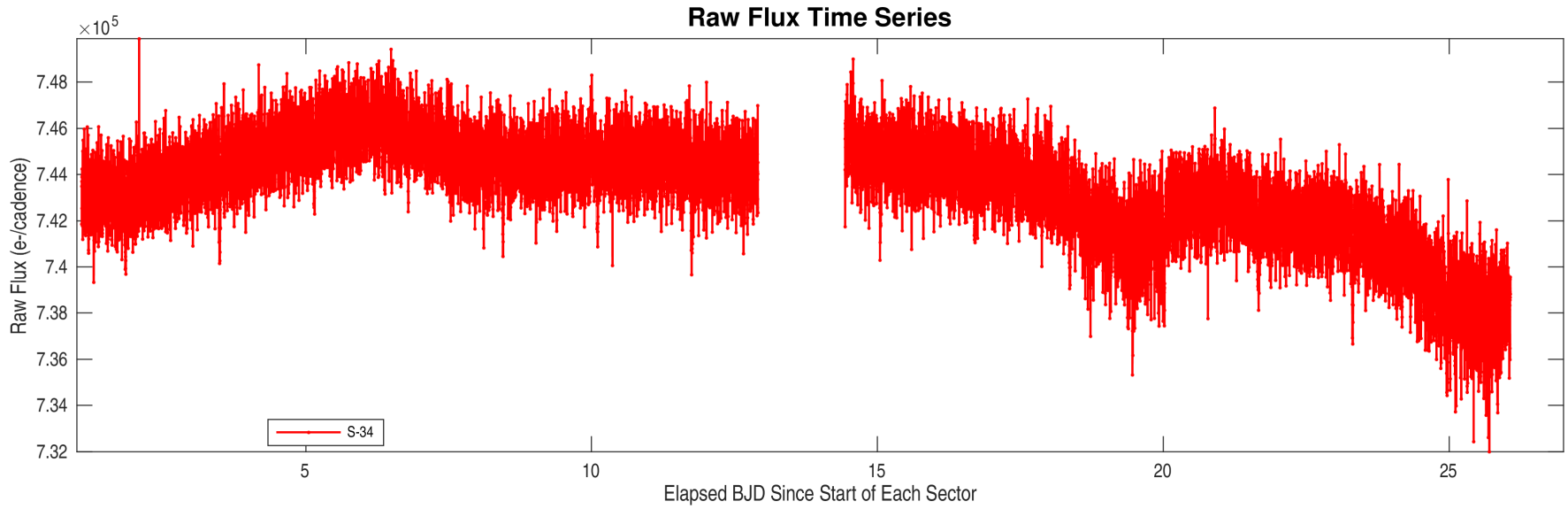
Software Revision: spoc-5.0.23-20210212 -- Date Generated: 19-Feb-2021 17:18:37 Z

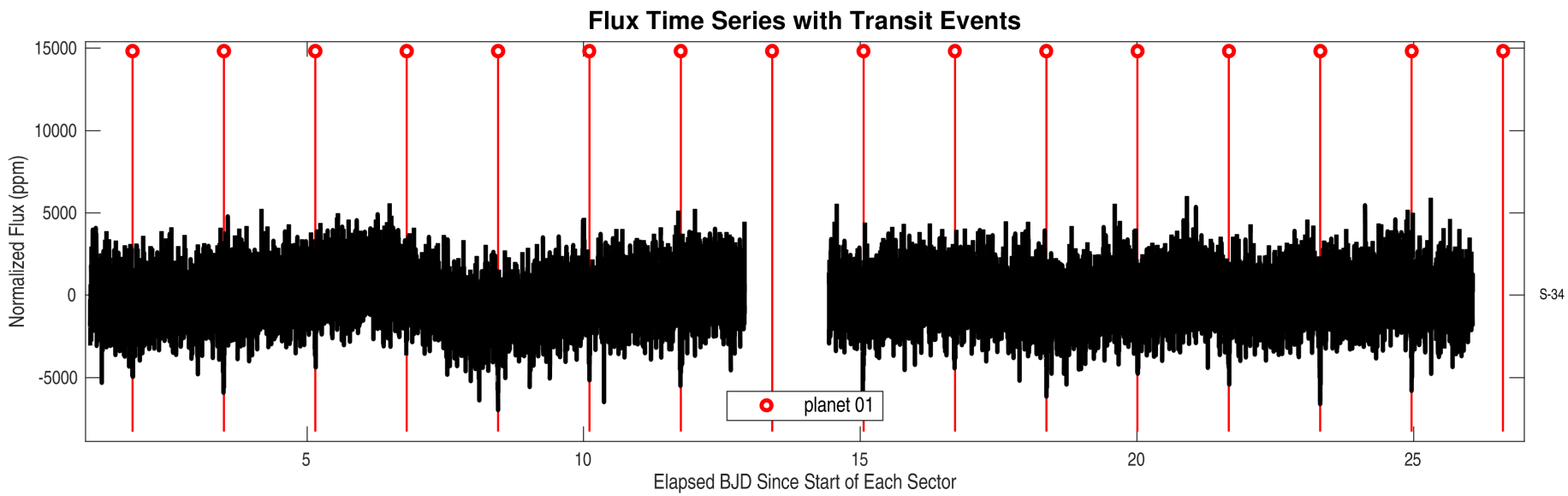
This Data Validation Report Summary was produced in the TESS Science Processing Operations Center Pipeline at NASA Ames Research Center

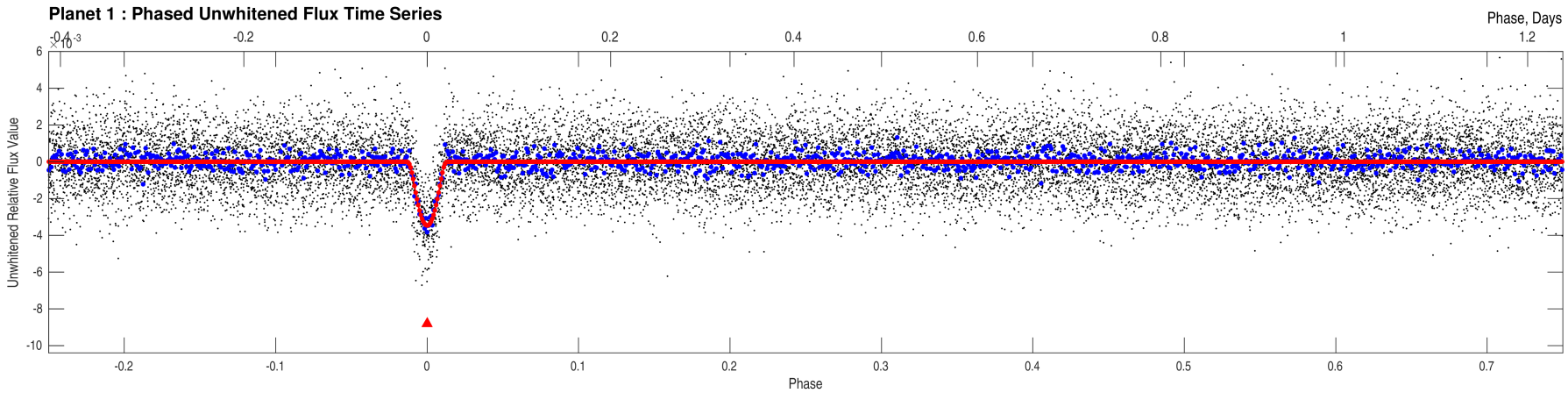
Planet Candidate 1 / Sector 34 / Target Pixel Table 288

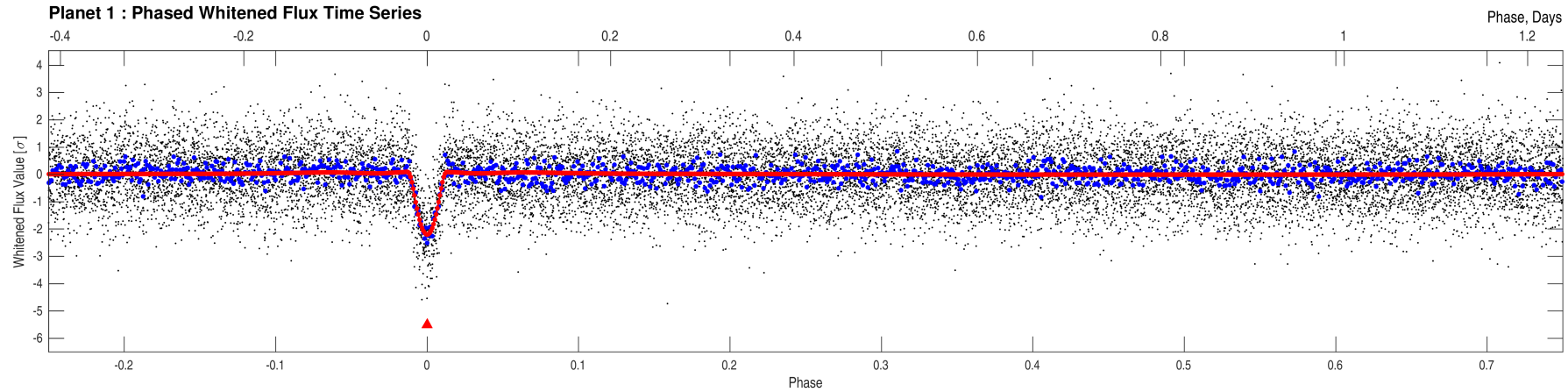


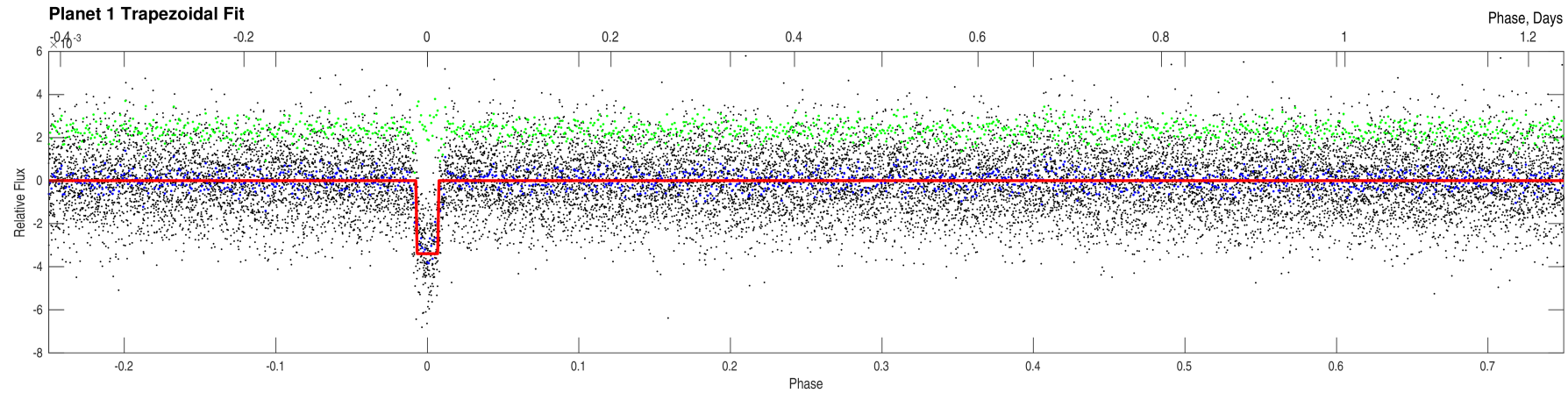

Planet Candidate 1
Offsets Relative to
Out of Transit Centroid
(1) 1003831, 10.670
S34
(2) 1003836, 17.513
(3) 1003826, 15.940
(4)
(-)
Dec Offset (arcsec)
RA Offset (arcsec)
Offsets Relative to
TIC Position
Planet Candidate 1
Offsets Relative to
Out of Transit Centroid
Offsets Relative to
TIC Position


Raw Flux Time Series
×10^5
7.48
7.46
7.44
7.42
7.4
7.38
7.36
7.34
7.32
Raw Flux (e-/cadence)
S-34
5
10
15
20
25
Elapsed BJD Since Start of Each Sector


Flux Time Series with Transit Events
15000
10000
5000
0
-5000
Normalized Flux (ppm)
planet 01
S-34
5
10
15
20
25
Elapsed BJD Since Start of Each Sector

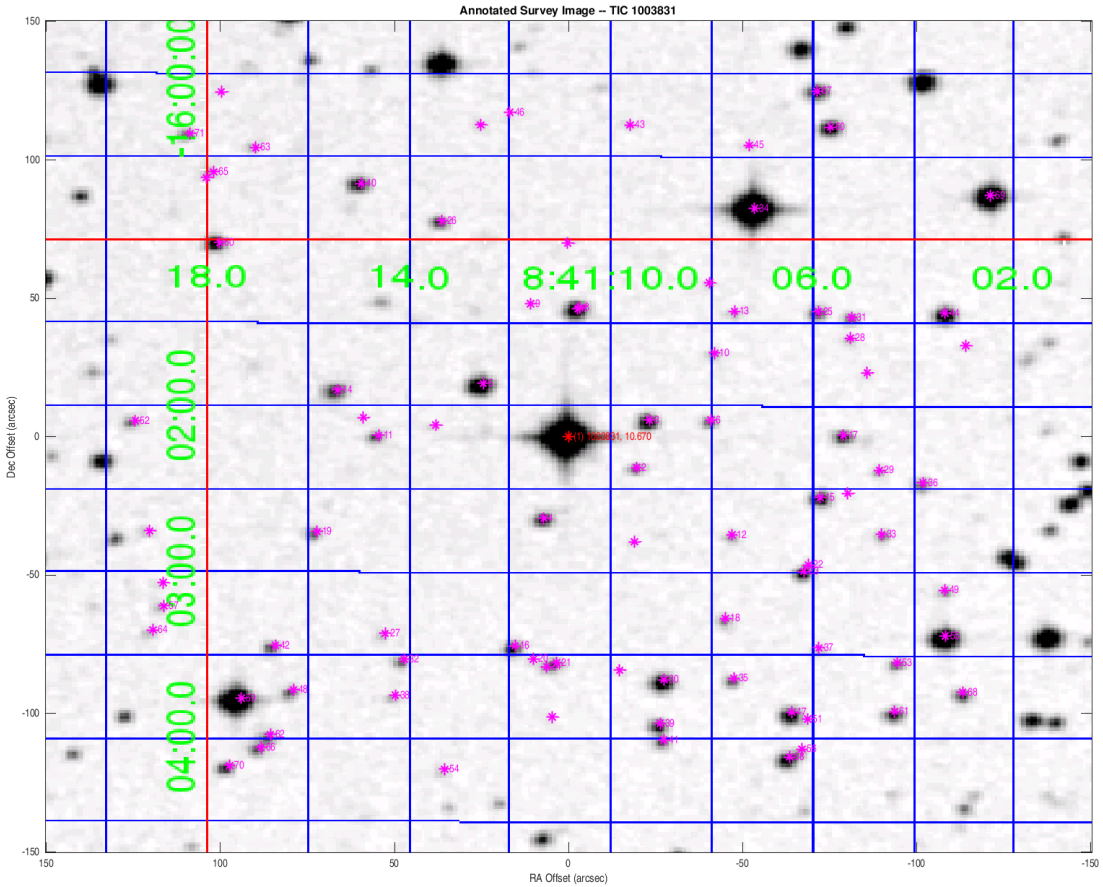

Planet 1 : Phased Unwhitened Flux Time Series
Phase, Days
Unwhitened Relative Flux Value
Phase


Planet 1 : Phased Whitened Flux Time Series
Phase, Days
Whitened Flux Value [σ]
Phase


Planet 1 Trapezoidal Fit
Phase, Days
Relative Flux
Phase

Stellar Distance Table

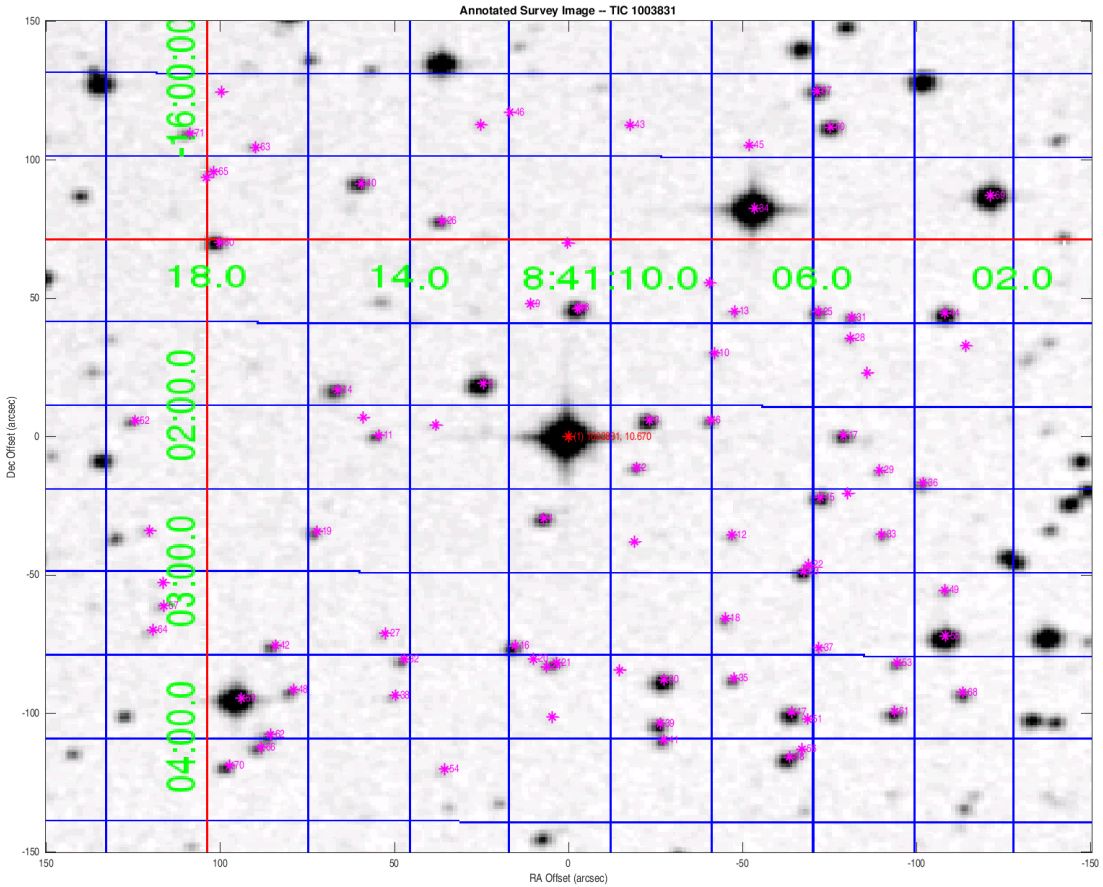
Index	TIC ID	TESS Mag	Distance (arcsec)
1	0000000001003831	10.67	0.00
2	0000000001003836	17.51	22.54
3	0000000001003826	15.94	24.00
4	0000000001003840	16.32	30.36
5	0000000001003824	14.48	31.11
6	0000000834624410	17.94	41.38
7	0000000001003818	15.24	46.29
8	0000000500047907	19.19	46.80
9	0000000834624419	19.57	49.22
10	0000000834624412	18.68	51.67
11	0000000001003830	17.63	54.53
12	0000000834624402	18.86	58.80
13	0000000834624413	18.80	65.72
14	0000000001003825	16.91	68.43
15	0000000001003838	16.04	75.60
16	0000000001003857	16.70	77.07
17	0000000001003829	16.60	78.96
18	0000000834624281	18.22	79.63
19	0000000834624401	17.82	79.89
20	0000000834624399	19.66	80.93
21	0000000834624398	17.30	81.70
22	0000000834624282	18.27	83.02
23	0000000001003847	16.49	83.32
24	0000000834624400	19.57	83.38
25	0000000001003820	17.10	84.73
26	0000000834624417	17.42	85.98
27	0000000834624341	19.15	88.40
28	0000000001003822	18.06	88.44
29	0000000834624300	18.53	90.09
30	0000000001003860	15.28	92.02
31	0000000834624415	18.00	92.05
32	0000000834624340	17.79	93.17
33	0000000834624298	18.19	96.60
34	0000000001003813	11.54	98.27
35	0000000834624279	17.80	99.38
36	0000000834624299	17.69	103.17
37	0000000834624283	19.29	104.83
38	0000000834624339	19.01	105.81
39	0000000001003869	16.50	106.90
40	0000000001003810	15.94	109.08



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

Stellar Distance Table – Continued

Index	TIC ID	TESS Mag	Distance (arcsec)
41	0000000001003871	17.43	112.94
42	0000000001003855	17.39	112.99
43	0000000834624423	19.53	113.96
44	0000000001003821	15.30	116.97
45	0000000834624424	19.46	117.39
46	0000000834624421	19.38	118.41
47	0000000001003865	15.73	118.42
48	0000000001003861	17.49	120.80
49	0000000001003848	18.08	121.43
50	0000000001003814	15.90	122.30
51	0000000834624276	19.42	122.98
52	0000000834624353	18.02	124.61
53	0000000001003859	17.43	124.85
54	0000000834624217	19.01	125.28
55	0000000001003852	13.57	129.94
56	0000000834624277	18.78	131.26
57	0000000834624342	18.84	131.34
58	0000000001003872	15.76	132.02
59	0000000001003863	12.66	133.24
60	0000000001003807	15.71	134.77
61	0000000001003864	16.48	136.47
62	0000000001003870	17.85	137.49
63	0000000834624408	19.15	137.79
64	0000000001003850	18.28	138.32
65	0000000834624407	18.76	139.83
66	0000000834624337	17.83	142.84
67	0000000001003806	16.09	143.79
68	0000000001003862	17.06	146.13
69	0000000001003811	13.20	149.24
70	0000000001003874	17.14	153.61
71	0000000001003808	17.96	154.37



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