Transit Least-Squares periodogram - 1.605642 d

5541111035713815552
RA = 122.414, DEC = -37.371
$G = 14.2$, $T_{eff} = 5364$

$\mu = 5.37$ mas yr^{-1}
H_J = nan

0.801938
1.070924
1.605642
3.212431
6.423168

Stellingwerf phase-dispersion minimization - 0.801007 d

1.204350 0.9626
0.535552
3.206564
0.801007

TLS best period: 1.605642 d - epoch: 2458501.90981

TLS peak 2: 0.801938 d - epoch: 2458497.07636

TLS peak 3: 3.212431 d - epoch: 2458505.13903

Stellingwerf PDM best period: 0.801007 d - epoch: 2458513.09747

Stellingwerf PDM peak 2: 0.535552 d - epoch: 2458515.28499
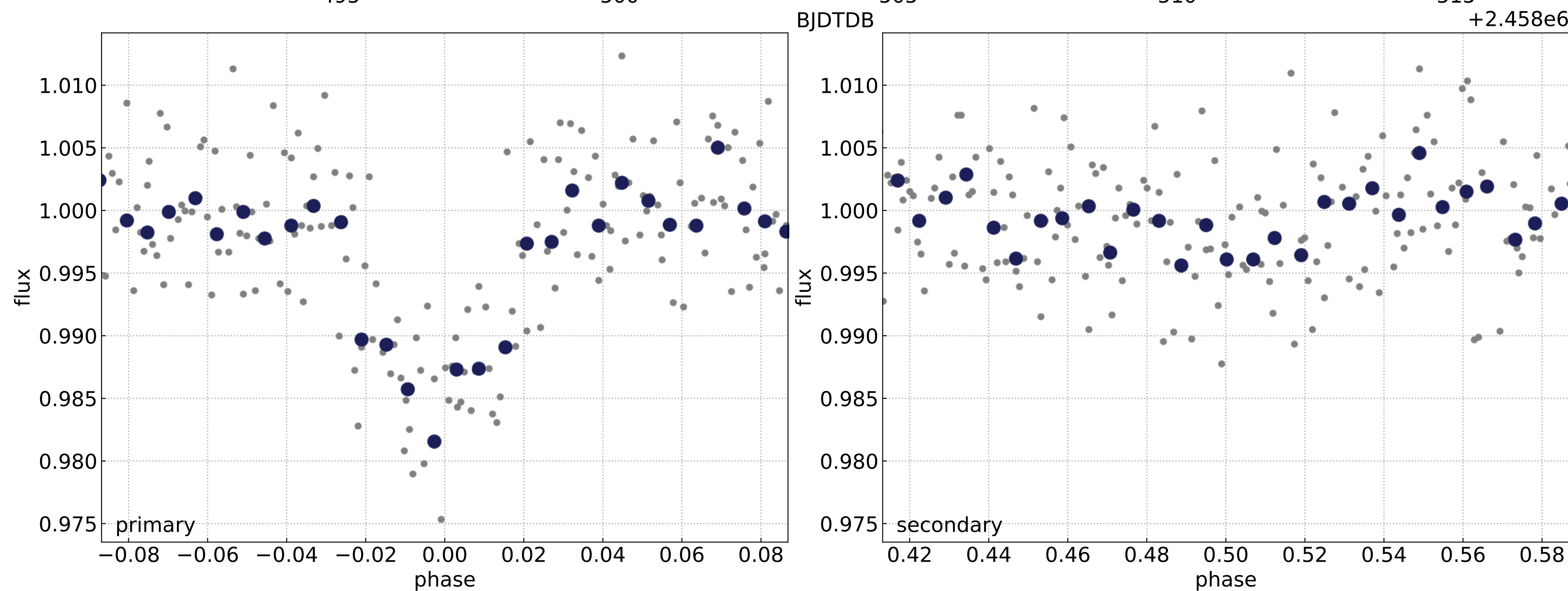
Stellingwerf PDM peak 3: 3.206564 d - epoch: 2458492.30540

P = 1.606 day
t_0 = 2458492.259 BJD
R_p = nan $R_\oplus$ (TICCONT nan not needed)
$R_p/R_\star$ = 0.104
T_{14}/P = 0.043
T_{14} = 1.67 hr
SNR = 17.1, SNRpink/tra = 5.7

δ_{odd} vs δ_{even} = 0.5 σ
$\delta_{tra}/\delta_{occ}$ = 6.21 ± 2.43

Star: DR2 5541111035713815552
TIC 134528212 - ticdist 0.09"
$R_\star$ = nan $R_\odot$, $M_\star$ = nan $M_\odot$
Teff = nan K
RA,dec [deg] = 122.414 -37.371
G = 14.2, Rp = 13.5, Bp = 14.4, T = 13.7
pmRA = -3.6, pmDEC = 4.6
ω = 1.21 ± 0.07 mas
d_{geom} = 705 pc
AstExc: 53.5 σ
$R_\star + M_\star -> T_{b0}$: nan hr
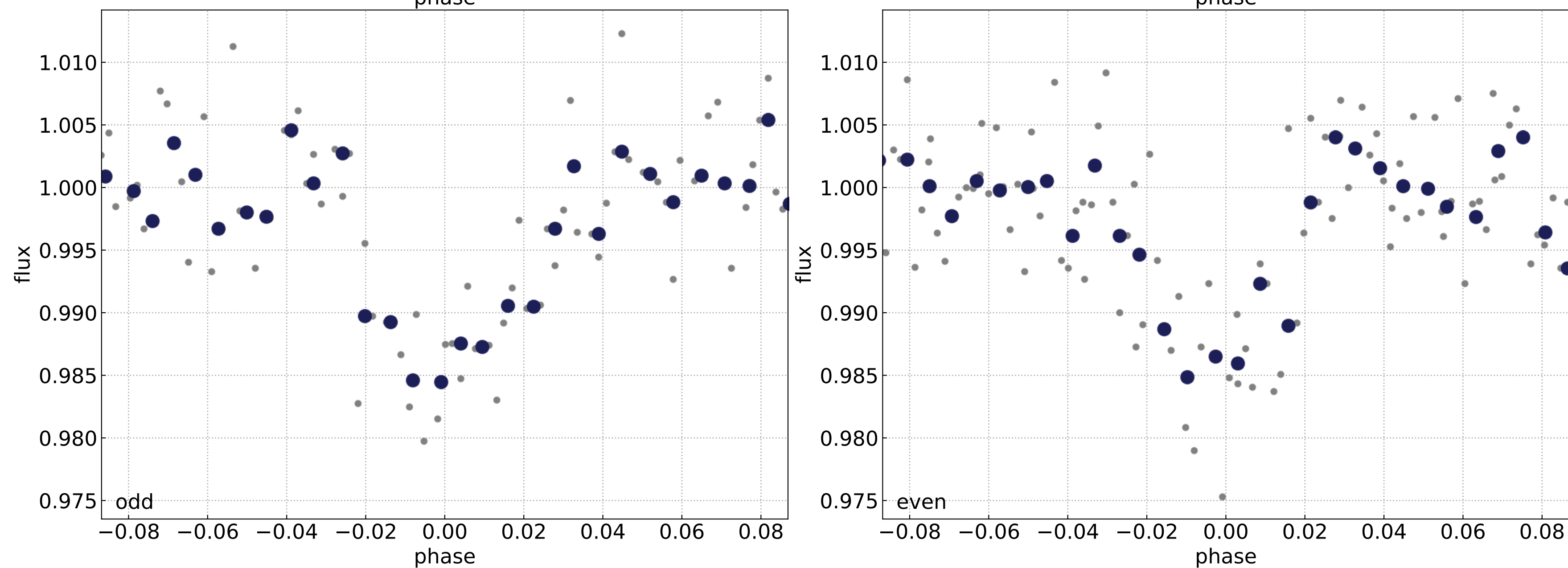
Cluster: NGC 2546
Reference: Dias2014
Othername: 264-025831
xmatchdist: 2.7e-02"

flux vs time. top: smallest aperture. middle: detection (medium) aperture. bottom: biggest

σ = 5.4 mmag
T = 13.7

BJDTDB
+2.458e6
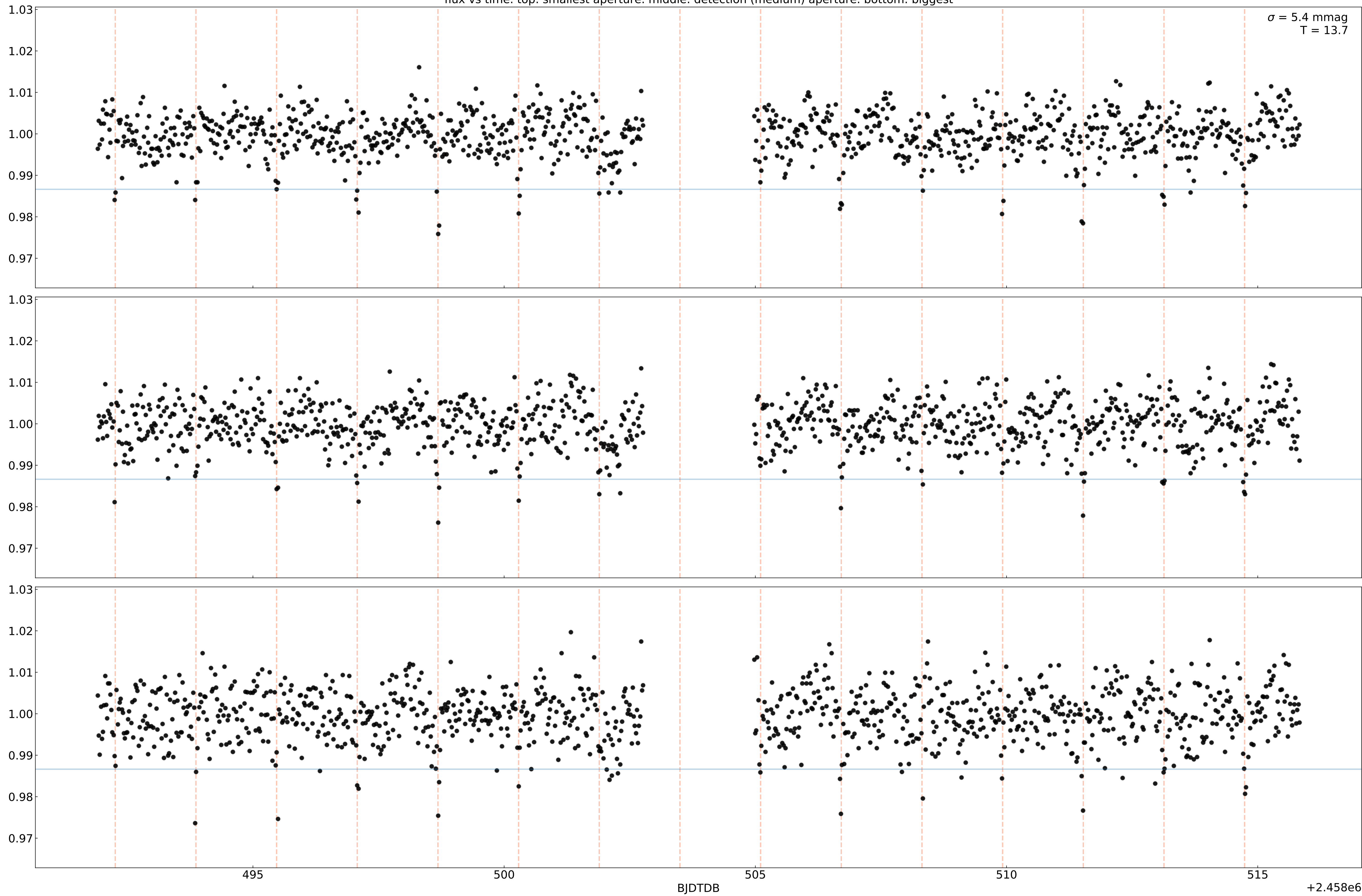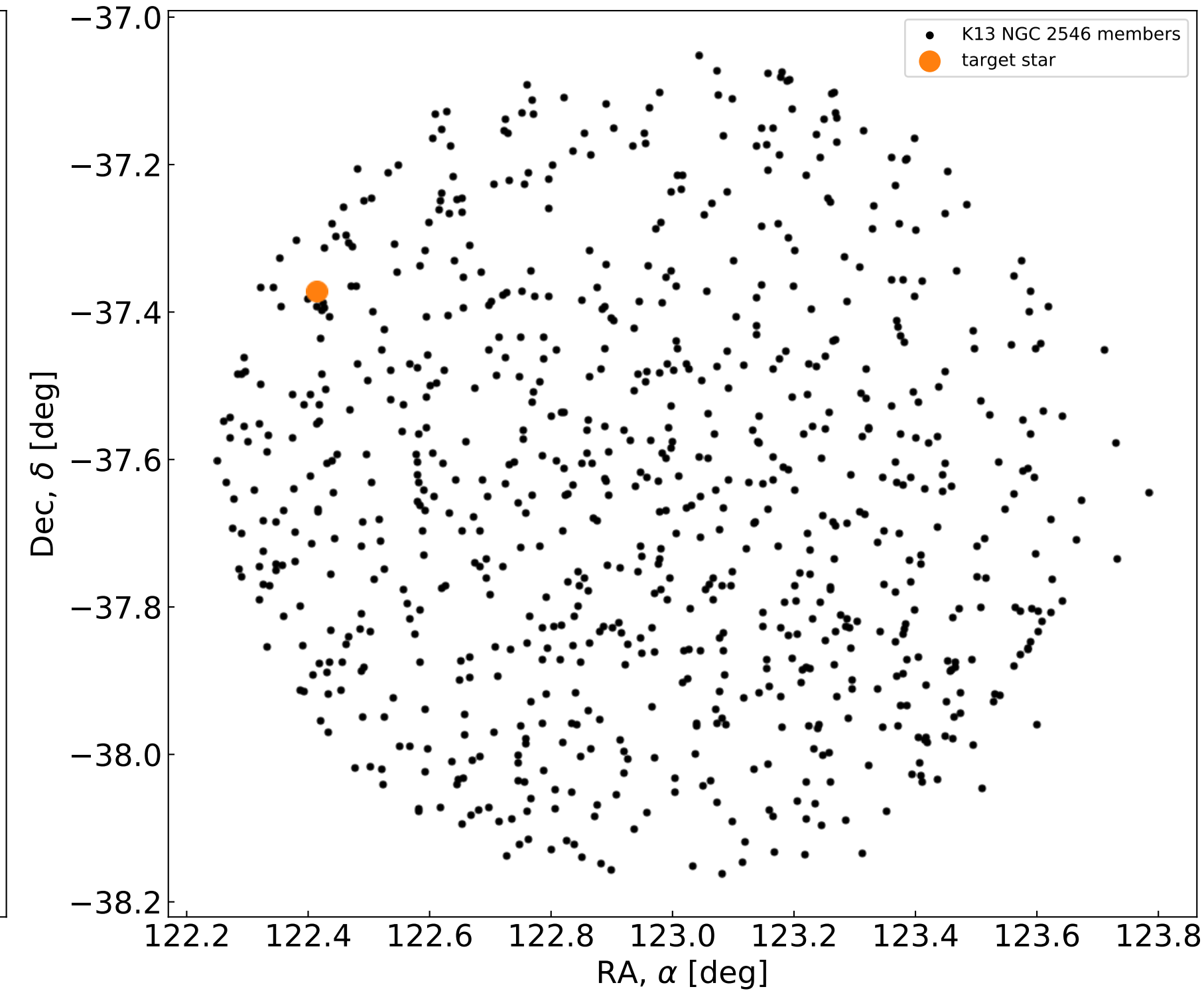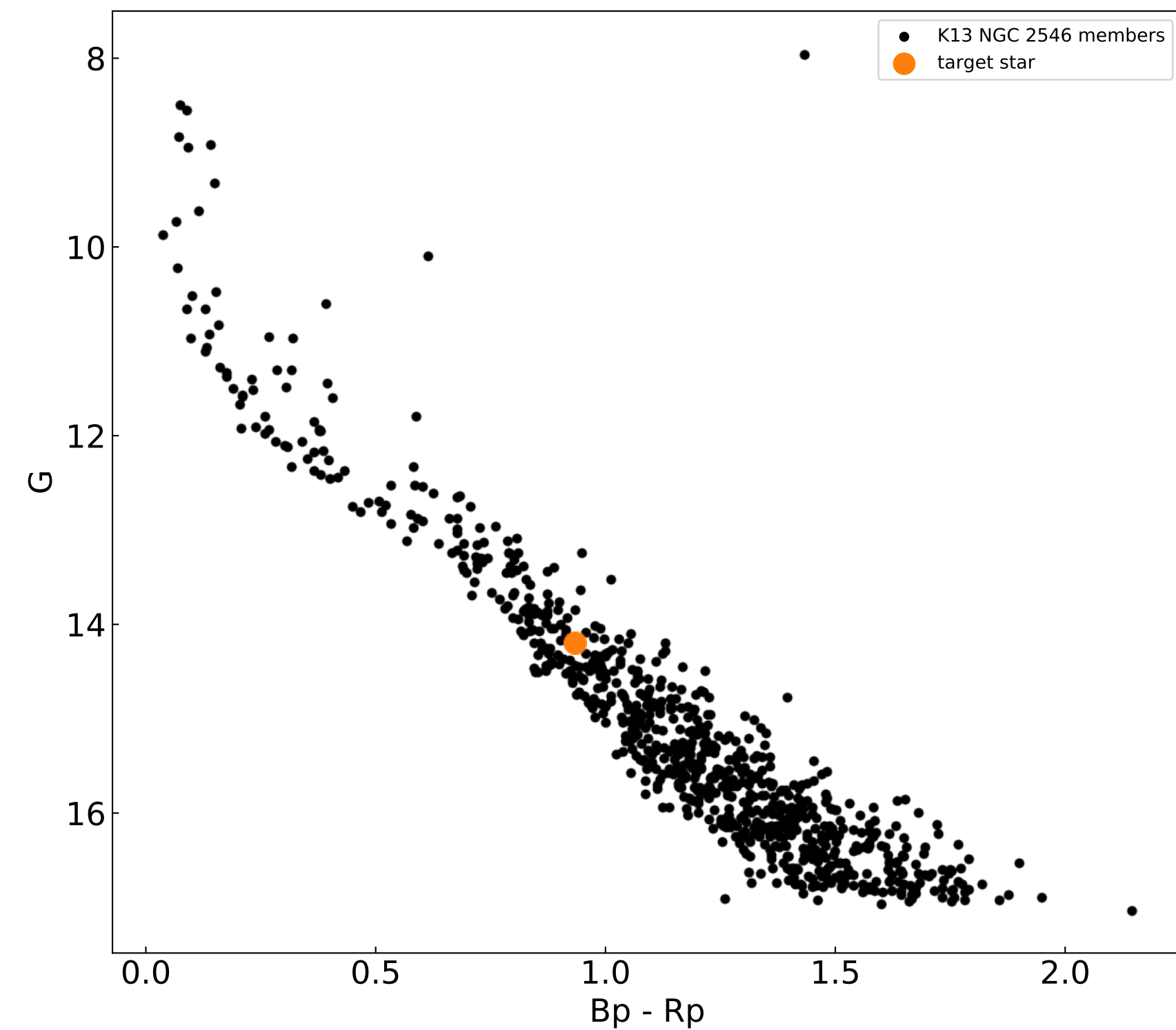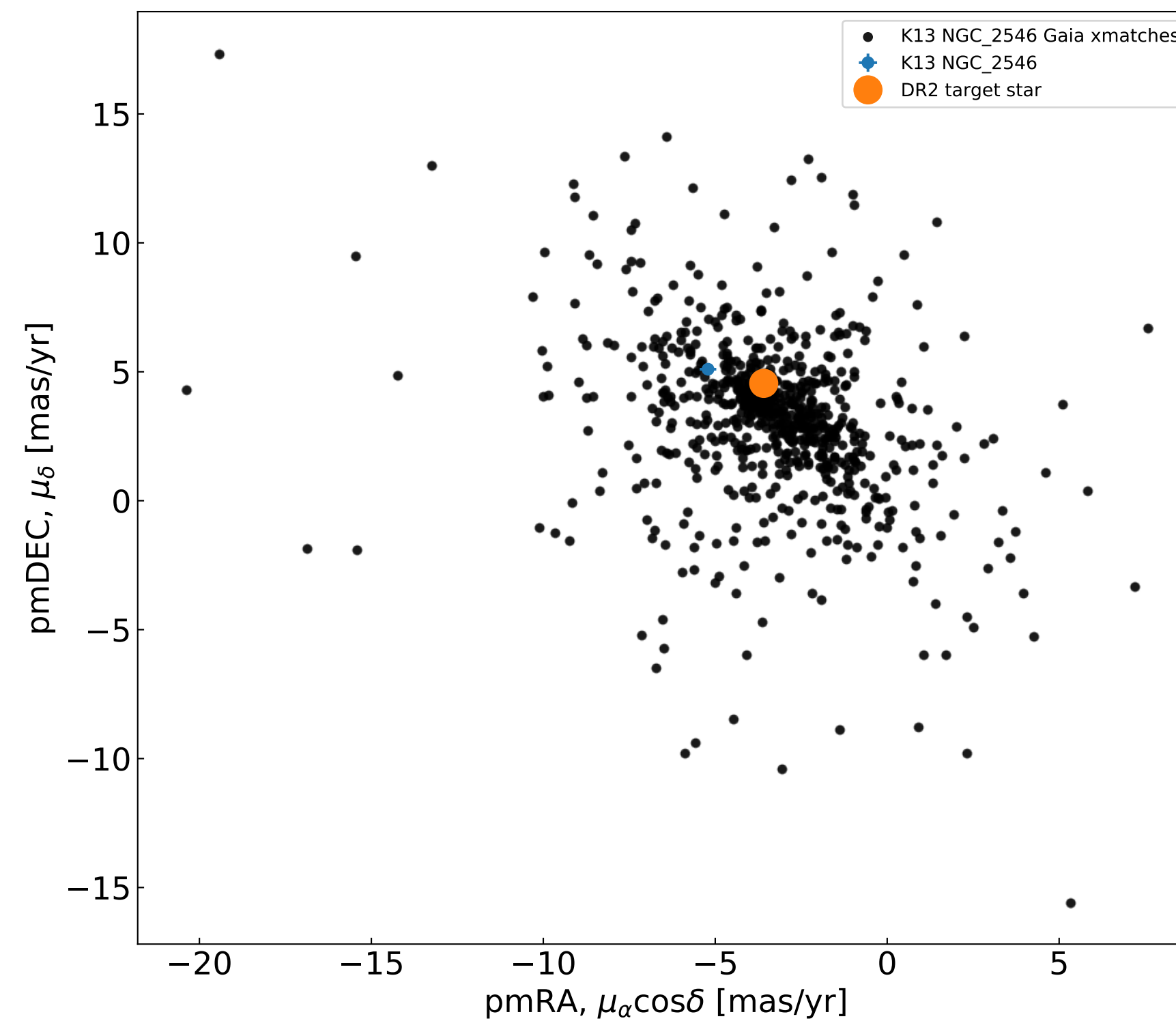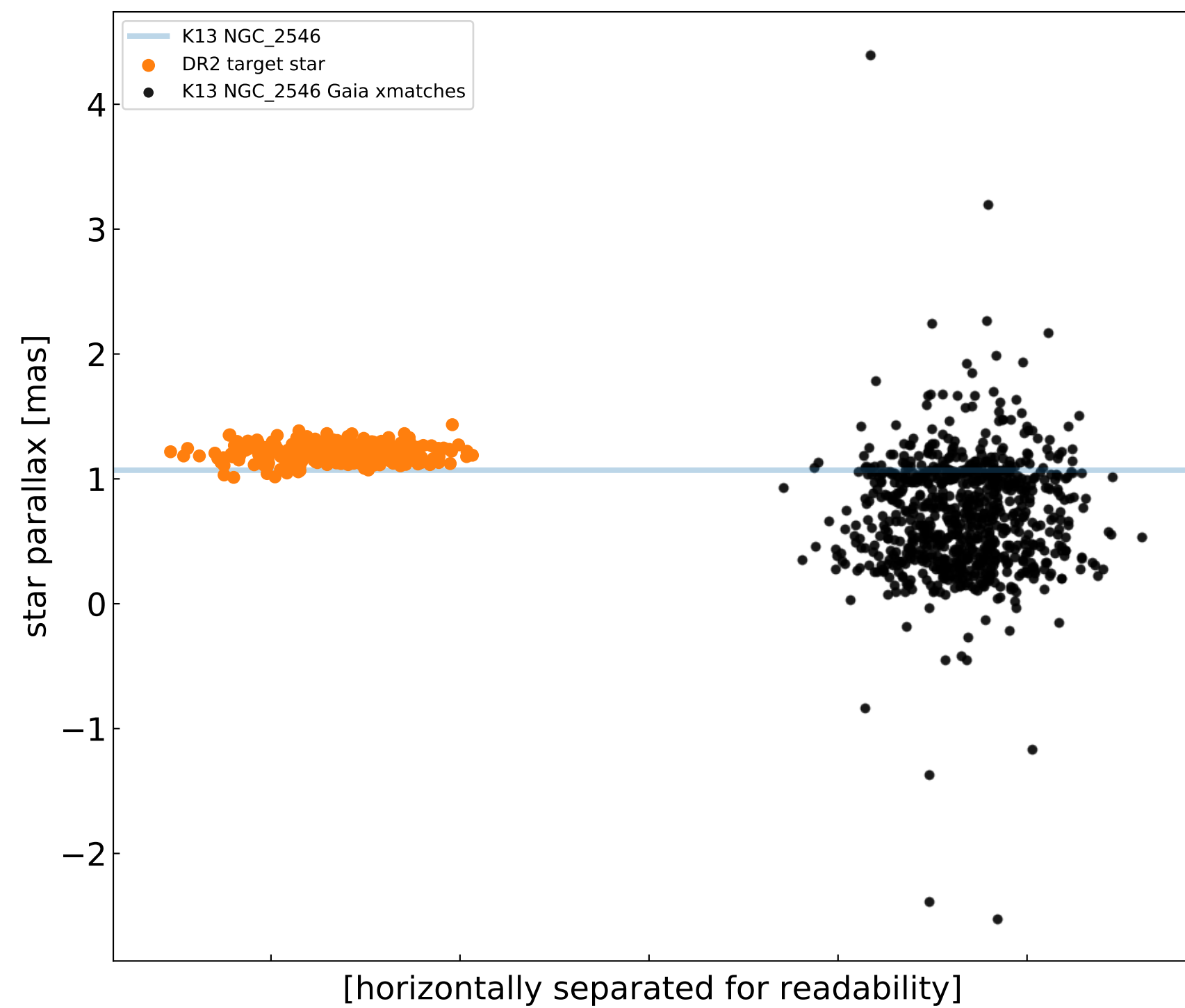
Cluster: NGC 2546
Reference: Dias2014
Starname: 264-025831
xmatchdist: 2.7e-02"

K13 match: MWSC 1447, NGC_2546
N1sr2: 1267, logt = 8.1,
type = oc, d_{K13} = 935 pc
Expect ω_{K13} = 1.07 mas
Got ω_{DR2} = 1.21 ± 0.07 mas

Star: DR2 5541111035713815552
$R_\star$ = nan $R_\odot$, $M_\star$ = nan $M_\odot$
Teff = nan K
RA = 122.414, DEC = -37.371
G = 14.2, Rp = 13.5, Bp = 14.4
pmRA = -3.6, pmDEC = 4.6
ω = 1.21 ± 0.07 mas
d = $1/\omega_{as}$ = 826 pc

K13Note: Sparse.

OOT (cyan o: centroid for each OOT window)

in transit (cyan o: centroid for each transit)

neighborhood info. (starid,Tmag)

25, 16.0
23, 15.6   20, 14.1
                    19, 15.9
24, 11.5   13, 14.8
22, 14.0   12, 15.4   15, 15.4
      6, 15.2   5, 14.6
      18, 12.3
7, 15.8
                1, 15.7   9, 14.2
                2, 12.5
17, 15.8
                4, 15.6   11, 15.7
                8, 13.0   15.4   14, 14.1
                3, 15.4
16, 15.9   10, 14.8

OOT - in. (cyan *: centroid per transit)

(OOT - in)/noise

DR2 5541111035713815552
ctd |OOT-intra|: 0.0" (0.1σ)
ctlg - <OOT-intra>: 15.0" (0.4σ)

Target star (0) and 15 nearest nbhrs
TICID (Tmag)
0: 134528212 (13.7)
1: 822369085 (15.7)
2: 134528207 (12.5)
3: 134528174 (15.4)
4: 134528188 (15.6)
5: 134528255 (14.6)
6: 134528175 (15.2)
7: 134528237 (15.8)
8: 134528168 (12.0)
9: 134528216 (14.2)
10: 134528160 (14.8)
11: 134528193 (15.7)
12: 134528270 (15.4)
13: 134528281 (14.8)
14: 134528176 (14.1)
15: 134528269 (15.4)

DSS2 Red linear

DSS2 Red logstretch