OCTANS

Tele: 16-inch S/C – FL 4064mm (f10) - 290x - 462x - Date: 28 August 2006 - visibility: 5.4.

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
Use of a Metric Eyepiece – 1 segment on 16-inch = 5.8”

Gli: 263 - Octans
RA: 21h06m.7 - DEC: -80º42’
Magnitude of stars: 7.3 and 10.3 - Separation: 4.8” - *4”*- Position Angle: 248 – *244?*

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
The starfield in Octans is lacking faint stars so measuring with cross hairs the PA without stars in the field as guide line is quite difficult. However, it seems to me that the PA could be slightly less by a small margin. The separation is definitely smaller as measure with my metric eyepiece. If fit comfortable inside one division 5.8”. So, the estimate is that it is closer to perhaps in line from 3.8” to 4”. The magnitude of the stars is the same as indicated both slightly yellow in colour.

I: 257 - Octans
RA: 21h08m.4 - DEC: -75º59’
Magnitude of stars: 8.5 and 8.9 – *8.5?* - Separation: 1.6” – *1”+* - Position Angle: 300

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
In 2006 I could spit this double with a hairline and averted vision, it appears now as an 8 figure and after a few attempts I was not able to split them. The magnitude of the companion seems also fainter than the indicated 8.9. To measure the PA was impossible visually but could perhaps a tad larger.

h: 5233 - Octans
RA: 21h15m.9 - DEC: -83º16’
Magnitude of stars: 7.6 and 12.6 – *13* - Separation: 11.7” - Position Angle: 270

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
The position angle seems to be correct. I managed to glimpse the companion but could not hold it so to my estimate it must be fainter than 12.6, displays a very dull orange colour when spotted.

I: 670 - Octans
RA: 21h17m.1 - DEC: -80º21’
Magnitude of stars: 7.9 and 8.5 - Separation: 0.5” - *less* - Position Angle: 11

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
My observation in 2006 indicated an oblong impression of the pair. My observation now indicate that the primary appears to bulge on an unstable edge indicate a less separation, but a positive confirmation. Perhaps a smaller PA.

h: 5335 - Octans
RA: 21h21m.3 - DEC: -84º19'
Magnitude of stars: 8.2 and 8.3 - Separation: 3.3" - Position Angle: 264

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
The PA, separation and magnitudes as indicated.

h: 5261 - Octans
RA: 21h52m.2 - DEC: -85º50'
Magnitude of stars: 8.5 and 8.8 - Separation: 5.1" – *6+"* - Position Angle: 201

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
The pair is lovely shining with a similar light-yellow colour. However, the separation is wider.
With my metric 5.8" per division the pair was over the division lines which been estimate now over 6". Cross hair measurements also estimate to be a tad smaller PA.

Jsp: 851 - Octans
RA: 23h29m.3 - DEC: -85º43'
Magnitude of stars: 7.7 and 10.9 - Separation: 3" – *2.8?* - Position Angle: 64

Revisit: 15 August 2020
Sky limit 4.4 - visibility 6.5 to 7 out of 10
Could barely spot the companion, the separation also slightly closer estimate it below 3". The PA seems to increase as measure against star in the field with cross hairs.