

INDUS

Tele: 16" S/C – FL - 4064mm (f10) - 290x - 462x - Date: 28 April 2003

Revisit: 15 August 2020

Sky limit 4.4 - visibility 6.5 to 7 out of 10

Telescope: 16" S/C – FL - 4064mm (f10) - 290x - 462x

Use of a Metric Eyepiece – 1 segment on 16-inch = 5.8"

I 41 - Indus

RA: 20h36m.5 - DEC: -45°33'

Magnitude of stars: 7.8 and 8.9 - Separation: 1.9" – 1.5" - Position Angle: 320?

Revisit: 15 August 2020

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The primary change slightly to a duller light-yellow colour. The separation was just been split and is definitely closing.

I: 128 - Indus

RA: 20h43m.6 - DEC: -51°48'

Magnitude of stars: 8.0 and 11.3 – 12 - Separation: 3.2" – 1"?? - Position Angle: 327 - 330

Revisit: 15 August 2020

Sky limit 4.4 - visibility 6.5 to 7 out of 10

The lovely yellow coloured eta Indi is just 8' south of this double star. The position angle seems to be increased a little as measure with cross hairs. If compare to star magnitudes in the area the companion fainter, my notes indicate, much fainter. Stars in the range of 12 to 13 is still visible easy enough to me, so I estimate the companion closer to 12 magnitude now. The separation of the pair is closer, could not split them, oval impression.

I: 17 - DUN: 235 - Indus

Magnitude of stars: 8.2 and 8.3 and C 7.3 - Separation: 1" ? and C 124" - Position Angle: 39 - C 135

Revisit: 15 August 2020

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The two stars in the field of view is overwhelming. To split the primary was impossible but I note a slight blur on the primary edge in the correct position angle.

I: 18 - Indus

Magnitude of stars: 7 and 10.2 - Separation: 4.2" - Position Angle: 2

Revisit: 15 August 2020

Sky limit 4.4 - visibility 6.5 to 7 out of 10

The separation between the pair seems to be correct as well as the magnitude of the stars. The position angle correct has been measure with cross hairs.

I: 129 - Indus

Magnitude of stars: 8 and 9.5 – 10 - Separation: 1.6" - 2" - Position Angle: 18 – 351 ?

Revisit: 15 August 2020

Sky limit 4.4 - visibility 6.5 to 7 out of 10

The pair is lovely with a light-yellow primary and slightly darker yellow to orange companion. The separation seems to be still 2" but the companion is fainter than the indicated 9.5. Measure against the stars in the field with cross hairs my estimate of the PA is less than the indicated 351°, perhaps needs to be investigated.

I: 130 - Indus

Magnitude of stars: 7.1 and 10.1 - Separation: 3.1" -1? - Position Angle: 318

Revisit: 15 August 2020

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This pair has been changing the separation is less, could not even split the slight oval star impression, even with a magnification of 812X. In 2007 I could still split the pair. I had no doubt at all that I was observing the correct double star. However, the primary is a deep orange colour.

Hu: 1333 - Indus

Magnitude of stars: 7.7 and 10.4

Separation: 1.7" -? - Position Angle: 319

Revisit: 15 August 2020

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The pair shows an oval and appears to be just less than the indicted position angle, no split.

Pick up an identical white coloured pair of stars 13' towards north-east estimate 5" separation, similar magnitude of 11.

h: 5246 - Indus

Magnitude of stars: 7.8 and 8 - Separation: 3.5" - Position Angle: 118 – 129 – 133+-

Revisit: 15 August 2020

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Two similar white coloured stars. The separation seems correct as measure with the metric eyepiece. The position angle seems to increase slightly as measure with cross hairs.

Hu: 1626 - Indus

Magnitude of stars: 7.3 and 8.5 - Separation: 1.2" -1 - Position Angle: 208 – 152

Revisit: 15 August 2020

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A single slightly yellow-white coloured primary. The separation could be less than the indicated 1.2" seeing that no oval impression or uneven edge of the primary was seen.

Hu: 1536 - Indus

Magnitude of stars: 7.6 and 12.2 - **13** - Separation: 5.8" - Position Angle: 171 – **176**

Revisit: 15 August 2020

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The primary still in a pale-yellow colour. The companion star was only seen with averted vision so I estimate it to be much fainter. The position angle as measure with cross hairs against field stars show perhaps a slight increase.

I: 132 - Indus

Magnitude of stars: 7.8 and 9.6 - Separation: 1.4" - 1.2" - **1"** - Position Angle: 298 - 287

Revisit: 15 August 2020

Sky limit 4.4 - visibility 6.5 to 7 out of 10

Lovely deep yellow in colour. The primary and companion is on top of each other oval impression, no split. Difficult to estimate the position angle.

I: 19 - Indus

Magnitude of stars: 7.3 and 8.6 - Separation: 1.3" - Position Angle: 320

Revisit: 15 August 2020

Sky limit 4.4 - visibility 6.5 to 7 out of 10

The pair appears to be in a football shape. Observe the galaxy IC 5129 as a faint roundish haze.