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Orbital elements of double stars: COU 812, ADS 11906, ADS 14766

Josefina Ling, Marco Scardia, Jean-Louis Prieur, Luigi Pansecchi, Robert W. Argyle, Eric Aristidi, Alessio Zanutta, Luca Maccarini, Lyu Abe, Philippe Bendjoya, et al.

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INTERNATIONAL ASTRONOMICAL UNION
 COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)
 DOUBLE STARS INFORMATION CIRCULAR No. 201 (JUNE 2020)

NEW ORBITS

| ADS α 2000 δ | Name n | P a | T i | e ω | Ω (2000) Last ob. | 2020 2021 | Author(s) |
|-------------------------------|---------------------|-------------------------------|------------------|----------------|-----------------------------|----------------------------|-----------------------|
| - 00090-5400 | HDO 181 1°7831 | 2018 ^y 9 0''400 | 1981.29 158°6 | 0.380 13°2 | 141°5 2018.73 | 13°3 0''384 11.6 0.390 | ALZNER et al. (1) |
| - 00465-0131 | RST 4157 3.7971 | 94.8 0.161 | 2008.20 59.0 | 0.647 200.6 | 97.8 2019.540 | 77.3 0.125 79.6 0.135 | TOKOVININ |
| - 03087-4413 | HDS 398 2.1176 | 170.0 0.235 | 2003.37 109.7 | 0.462 39.8 | 243.1 2018.807 | 89.5 0.111 86.9 0.120 | TOKOVININ |
| - 03178-1407 | HU 432 4.8866 | 73.67 0.202 | 1979.23 40.4 | 0.152 223.2 | 45.4 2019.857 | 95.6 0.193 99.7 0.190 | TOKOVININ |
| 3210 04259+1852 | BU 1185 13.0814 | 27.52 0.250 | 2030.53 97.2 | 0.038 327.2 | 23.3 2020.059 | 202.5 0.256 200.8 0.242 | SCARDIA et al. (2) |
| - 04507-8202 | HDS 625 3.0981 | 116.2 0.245 | 2017.9 97.5 | 0.800 102.5 | 306.1 2020.111 | 126.6 0.072 124.3 0.087 | TOKOVININ |
| 3614 05017+2050 | HU 445 AB 4.3247 | 83.24 0.573 | 2016.75 69.0 | 0.837 276.2 | 154.1 2018.972 | 167.2 0.237 171.6 0.261 | TOKOVININ |
| - 05047+7404 | STT 89 2.5586 | 140.7 0.373 | 1919.08 83.6 | 0.878 50.9 | 111.9 2003.96 | 304.0 0.288 304.2 0.281 | ALZNER |
| - 05091-4201 | HDS 676 4.5125 | 79.78 0.239 | 2017.47 66.5 | 0.500 222.8 | 159.1 2020.018 | 46.2 0.055 77.1 0.055 | TOKOVININ |
| - 05102-7236 | WSI 122 5.5385 | 65.0 0.769 | 2009.03 131.7 | 0.641 153.3 | 165.7 2019.947 | 228.9 0.587 224.4 0.631 | TOKOVININ |
| - 05249-5810 | I 390 0.6000 | 600. 0.468 | 2069.0 70.4 | 0.600 205.0 | 266.2 2019.950 | 40.5 0.144 42.2 0.146 | TOKOVININ |

NEW ORBITS (continuation)

| ADS α2000δ | Name n | P a | T i | e ω | Ω(2000) Last ob. | 2019 2020 | Author(s) |
|---|---------------------|----------------|------------------|----------------------------------|---|----------------------------|-----------------------|
| 4373 05472+2153 | HU 39 7.6320 | 47.17 0.267 | 1975.23 99.2 | 0.260 195.1 | 41.0 2020.10 | 223.7 0.196 221.6 0.199 | ALZNER |
| - 05498-7225 | TOK 431 20.0000 | 18.0 0.147 | 2022.45 128.3 | 0.170 124.8 | 145.2 2020.111 | 99.2 0.099 64.2 0.079 | TOKOVININ |
| - 05505-5246 | B 1493 3.1858 | 113.0 0.163 | 2005.0 140.5 | 0.670 170.2 | 247.9 2019.950 | 301.8 0.129 299.1 0.136 | TOKOVININ |
| 4604 06032+5813 | A 1315 0.6000 | 600. 1.135 | 2000.8 78.0 | 0.860 64.6 | 91.8 2016.953 | 272.1 0.485 272.4 0.502 | DOCOBO & LING |
| - 06234-3001 | DAW 120 0.9600 | 375.0 0.407 | 2034.82 83.8 | 0.270 145.4 | 84.8 2019.952 | 254.1 0.154 254.8 0.161 | TOKOVININ |
| 5408 06455+2922 | A 122 3.5191 | 102.3 0.334 | 1976.99 113.7 | 0.647 228.5 | 40.9 2020.042 | 22.0 0.435 21.4 0.432 | SCARDIA et al. (2) |
| 5857 07113-1032 | A 2122 1.3662 | 263.5 0.192 | 2021.72 136.8 | 0.582 187.7 | 144.2 2019.210 | 326.4 0.081 321.8 0.081 | TOKOVININ |
| 07303-5657 | FIN 105 2.1176 | 170.0 0.244 | 2046.15 153.5 | 0.578 107.1 | 52.1 2018.2355 | 67.4 0.238 65.7 0.233 | DOCOBO et al. (3) |
| 07427-3510 | HDS 1091 1.3091 | 275.0 0.332 | 2017.40 115.2 | 0.690 200.2 | 93.3 2018.8438 | 250.1 0.082 242.9 0.075 | DOCOBO et al. (3) |
| - 08259-1623 | HDS 1199 1.0000 | 360.0 1.441 | 2013.15 180.0 | 0.590 0.0 | 178.6 2018.073 | 147.1 0.627 142.9 0.637 | TOKOVININ |
| - 08394-3636 | I 314 5.4720 | 65.79 0.565 | 1990.84 99.0 | 0.824 339.7 | 57.5 2018.236 | 241.5 0.937 241.3 0.947 | TOKOVININ |
| - 09074-4357 | B 1646 AB 1.7308 | 208.0 0.188 | 2029.45 116.2 | 0.600 161.1 | 15.9 2019.953 | 278.3 0.044 266.9 0.044 | TOKOVININ |
| 7225 09110-1929 | I 824 0.3830 | 940. 0.492 | 2029.4 130.3 | 0.869 18.0 | 116.5 2018.2358 | 162.1 0.076 156.8 0.074 | DOCOBO et al. (3) |
| - 09149+0427 | HEI 350 6.5018 | 55.37 0.937 | 1969.13 125.5 | 0.600 72.8 | 344.0 2019.371 | 358.3 0.609 350.5 0.557 | TOKOVININ |

NEW ORBITS (continuation)

| ADS α2000δ | Name n | P a | T i | e ω | Ω(2000) Last ob. | 2019 2020 | Author(s) |
|---|-------------------------|-----------------|-------------------|----------------------------------|---|----------------------------|----------------------|
| - 09370-2610 | WSI 127 11.2585 | 32.0 0.391 | 2010.47 0.0 | 0.000 0.0 | 284.0 2019.950 | 31.3 0.391 42.6 0.391 | TOKOVININ |
| 7541 09512+3629 | HO 369 3.0483 | 118.1 0.247 | 1923.62 74.9 | 0.847 327.3 | 289.8 2020.28 | 107.0 0.318 107.3 0.311 | ALZNER I |
| 7541 09512+3629 | HO 369 0.3273 | 1100. 1.100 | 1961.6 85.0 | 0.668 329.5 | 99.2 2020.28 | 107.2 0.319 107.5 0.315 | ALZNER II |
| - 10038-0823 | HDS 1454 11.0898 | 32.46 0.086 | 2010.87 128.3 | 0.700 335.3 | 175.0 2020.112 | 27.9 0.103 24.7 0.111 | TOKOVININ |
| - 10043-2823 | I 292 0.9474 | 380.0 0.869 | 1971.25 142.9 | 0.718 71.7 | 139.8 2020.200 | 298.9 0.810 298.3 0.818 | TOKOVININ |
| 7674 10116+1321 | HU 874 AB 20.0423 | 17.962 0.117 | 2022.828 78.5 | 0.930 355.2 | 106.2 2019.3816 | 288.4 0.147 289.6 0.112 | DOCOBO et al. (3) |
| - 10161-2837 | TOK 199 142.4197 | 2.528 0.044 | 2014.907 115.5 | 0.309 58.6 | 95.7 2019.377 | 47.0 0.016 255.5 0.046 | TOKOVININ |
| 7738 10217-0946 | BU 25 0.2687 | 1340. 2.546 | 1960.5 133.9 | 0.297 20.3 | 168.2 2018.1811 | 128.1 1.535 127.6 1.532 | DOCOBO et al. (3) |
| 7929 10480+4107 | STT 229 1.0733 | 335.4 0.639 | 2077.4 154.0 | 0.472 285.7 | 64.1 2018.77 | 254.2 0.630 253.4 0.624 | ALZNER |
| - 11192-1950 | TOK 383Aa,Ab 37.4904 | 9.602 0.042 | 2020.236 130.4 | 0.521 219.0 | 30.8 2020.019 | 206.1 0.021 77.6 0.022 | TOKOVININ |
| - 12111-5302 | HU 1604 1.7561 | 205. 0.341 | 2049.0 55.6 | 0.431 32.7 | 89.2 2018.1621 | 34.2 0.194 37.0 0.195 | DOCOBO et al. (3) |
| - 12157-8047 | FIN 195 1.2857 | 280.0 0.322 | 2032.74 60.0 | 0.754 44.6 | 96.1 2019.374 | 58.9 0.112 62.4 0.111 | TOKOVININ |
| - 12283-6146 | RST 4499 BC 12.8448 | 28.027 0.227 | 1990.024 152.9 | 0.174 80.5 | 169.1 2020.112 | 50.3 0.175 32.7 0.187 | TOKOVININ |
| - 12358-6150 | RST 4503 1.2000 | 300.0 0.210 | 1729.08 53.0 | 0.317 25.0 | 120.9 2020.112 | 122.8 0.146 124.2 0.145 | TOKOVININ |

NEW ORBITS (continuation)

| ADS $\alpha 2000\delta$ | Name n | P a | T i | e ω | $\Omega(2000)$ Last ob. | 2019 2020 | Author(s) |
|-----------------------------------|--------------------------|----------------------|----------------------|----------------------|-----------------------------------|----------------------------|-------------------------|
| - 12455-4552 | HDS 1789 Aa,Ab 9.9079 | 36.34 0.161 | 2019.77 38.0 | 0.250 239.1 | 63.8 2020.117 | 300.9 0.101 321.0 0.097 | TOKOVININ |
| - 12463-6050 | B 1722 1.2000 | 300.0 0.333 | 2016.63 47.1 | 0.906 97.8 | 32.7 2020.112 | 225.7 0.070 232.5 0.081 | TOKOVININ |
| 13117-2633 | FIN 305 17.9336 | 20.074 0.226 | 2021.801 114.4 | 0.989 91.7 | 8.4 2019.0494 | 74.5 0.099 66.0 0.064 | DOCOBO I et al. (3) |
| 13117-2633 | FIN 305 8.8452 | 40.700 0.219 | 2006.500 98.6 | 0.045 304.5 | 93.3 2019.0494 | 72.7 0.089 61.1 0.062 | DOCOBO II et al. (3) |
| - 13132-0501 | TOK 402 17.6865 | 20.35 0.163 | 2016.72 112.1 | 0.627 254.4 | 114.0 2020.019 | 103.5 0.155 98.2 0.164 | TOKOVININ |
| - 13137-6248 | HDS 1852 13.9549 | 25.80 0.151 | 2001.34 57.7 | 0.240 182.5 | 140.7 2020.112 | 181.1 0.116 196.2 0.096 | TOKOVININ |
| - 13191-5239 | I 516 1.2000 | 300.0 0.770 | 2083.04 89.0 | 0.653 238.9 | 186.5 2020.117 | 353.0 0.070 354.7 0.079 | TOKOVININ |
| - 13194-3957 | RST 1712 1.6405 | 219.4 0.590 | 2021.85 160.1 | 0.396 237.8 | 138.8 2017.534 | 270.3 0.345 266.1 0.343 | TOKOVININ |
| 8863 13203+1746 | A 2166 32.0618 | 11.228 0.098 | 2007.128 67.8 | 0.823 314.9 | 197.9 2020.117 | 323.6 0.050 340.2 0.079 | TOKOVININ |
| - 13217-3919 | HDS 1875 9.4459 | 38.11 0.205 | 2019.61 117.5 | 0.550 228.0 | 189.2 2020.019 | 326.7 0.057 262.6 0.050 | TOKOVININ |
| 13305+0729 | A 1789 2.5098 | 143.44 0.191 | 1962.71 137.8 | 0.420 105.4 | 67.9 2018.2361 | 159.6 0.195 158.0 0.196 | DOCOBO et al. (3) |
| 9301 14323+2641 | A 570 12.0421 | 29.90 0.204 | 2013.76 152.9 | 0.167 49.6 | 15.6 2020.338 | 228.6 0.193 217.5 0.204 | SCARDIA et al. (2) |
| - 14332-6935 | HDS 2055 4.5000 | 80.0 0.220 | 2051.67 103.2 | 0.400 261.8 | 132.1 2020.201 | 5.1 0.084 359.1 0.090 | TOKOVININ |
| 14516-4335 | FIN 319 10.8346 | 33.23 0.239 | 2028.75 80.6 | 0.315 28.1 | 104.5 2019.3817 | 328.3 0.062 8.4 0.042 | DOCOBO et al. (3) |

NEW ORBITS (continuation)

| ADS α 2000 δ | Name n | P a | T i | e ω | Ω (2000) Last ob. | 2019 2020 | Author(s) |
|--------------------------------------|--------------------------|----------------------|----------------------|----------------------|------------------------------------|----------------------------|-----------------------|
| 14592-4206 | HDS 2116 Aa,Ab 6.1523 | 58.52 0.287 | 2011.10 90.9 | 0.304 215.1 | 156.4 2019.3798 | 157.7 0.145 157.4 0.176 | DOCOBO et al. (3) |
| 9528 15106+2021 | HU 144 0.8727 | 412.5 1.128 | 2130.71 87.3 | 0.807 253.7 | 232.9 2019.377 | 333.1 0.083 337.5 0.084 | TOKOVININ |
| 9552 15157-2736 | BU 350 0.2156 | 1670. 1.902 | 2018.9 138.7 | 0.918 40.8 | 41.0 2018.1814 | 354.4 0.133 340.9 0.130 | DOCOBO et al. (3) |
| - 15282-0626 | HDS 2175 2.6332 | 136.7 0.464 | 1993.77 66.2 | 0.340 159.4 | 173.4 2020.117 | 77.9 0.186 84.0 0.188 | TOKOVININ |
| 9692 15328+1945 | HU 577 3.3272 | 108.2 0.294 | 1944.45 61.9 | 0.392 127.1 | 35.6 2020.420 | 27.8 0.352 28.9 0.350 | SCARDIA et al. (2) |
| - 15428-6147 | HDS 2218 6.0000 | 60.0 0.114 | 2024.67 143.2 | 0.426 287.9 | 72.3 2020.112 | 217.4 0.073 205.7 0.066 | TOKOVININ |
| 9797 15493+0503 | A 1126 1.2457 | 289.0 0.197 | 1999.1 63.5 | 0.647 357.9 | 34.4 2019.5387 | 140.3 0.059 144.8 0.062 | DOCOBO et al. (3) |
| - 15544-6131 | HDS 2240 4.5000 | 80.0 0.191 | 2020.49 0.0 | 0.830 0.0 | 182.8 2020.201 | 143.1 0.036 223.5 0.036 | TOKOVININ |
| - 16020-3042 | B 1313 2.4000 | 150.0 0.234 | 2033.83 78.2 | 0.464 193.2 | 151.2 2020.112 | 304.1 0.072 308.3 0.079 | TOKOVININ |
| - 16263-0943 | RST 3945 2.7211 | 132.3 0.355 | 1921.19 53.1 | 0.161 58.4 | 51.2 2018.181 | 14.9 0.287 17.3 0.291 | TOKOVININ |
| - 16274-3729 | B 872 2.0072 | 179.4 0.398 | 1977.70 108.6 | 0.508 146.3 | 132.9 2018.181 | 184.7 0.186 182.3 0.194 | TOKOVININ |
| - 16302-1440 | WSI 132 14.1812 | 25.39 0.321 | 2021.13 127.9 | 0.521 315.4 | 11.2 2020.201 | 114.3 0.111 48.6 0.121 | TOKOVININ |
| 10143 16402-2800 | VOU 44 AB 3.4392 | 104.7 0.192 | 2067.0 41.0 | 0.204 154.0 | 13.4 2019.3773 | 3.0 0.227 4.8 0.227 | DOCOBO et al. (3) |
| - 16536-1045 | YSC 156 15.4123 | 23.36 0.089 | 2023.93 10.0 | 0.500 100.0 | 81.6 2020.201 | 63.1 0.088 78.7 0.075 | TOKOVININ |

NEW ORBITS (continuation)

| ADS α 2000 δ | Name n | P a | T i | e ω | Ω(2000) Last ob. | 2019 2020 | Author(s) |
|---|-------------------------|----------------------|----------------------|----------------------|---|----------------------------|----------------------|
| - 16596-4117 | B 1839 AB 4.1155 | 87.5 0.172 | 1961.4 180.0 | 0.360 0.0 | 348.7 2018.255 | 136.1 0.215 133.6 0.212 | TOKOVININ |
| 10305 17012-1213 | HU 163 2.2500 | 160.0 0.199 | 2009.02 93.8 | 0.730 28.6 | 154.7 2019.536 | 337.7 0.102 337.4 0.112 | TOKOVININ |
| - 17315-6026 | I 600 1.0782 | 333.9 0.500 | 2183.52 114.9 | 0.160 148.0 | 135.3 2017.284 | 148.5 0.520 148.1 0.523 | TOKOVININ |
| - 17342-1910 | B 1863 AB 3.0672 | 117.4 0.166 | 2010.25 62.6 | 0.900 260.0 | 69.4 2019.534 | 98.0 0.105 99.5 0.109 | TOKOVININ |
| 17362-1752 | YSC 158 28.6853 | 12.550 0.072 | 2013.528 70.8 | 0.119 132.7 | 102.8 2019.3776 | 85.9 0.062 96.1 0.075 | DOCOBO et al. (3) |
| - 18092+3129 | COU 812 0.8174 | 440.4 1.555 | 2043.08 79.3 | 0.785 250.5 | 96.6 250.5 2016.646 | 266.5 0.646 267.0 0.642 | LING et al. (4) |
| - 18126+1224 | HDS 2570 4.2353 | 85.0 0.158 | 2009.87 73.0 | 0.450 149.6 | 132.2 2019.536 | 342.3 0.067 348.9 0.061 | TOKOVININ |
| 18126+1224 | HDS 2570 9.2676 | 38.85 0.155 | 2016.14 80.5 | 0.382 168.8 | 145.8 2019.5363 | 343.4 0.058 358.9 0.038 | DOCOBO et al. (3) |
| 11906 18591+2230 | HU 332 0.2030 | 1773.7 2.338 | 1849.71 76.9 | 0.906 301.2 | 159.7 2016.603 | 269.0 0.528 269.4 0.531 | LING et al. (4) |
| - 19036-7224 | HDS 2703 3.6000 | 100.0 0.319 | 2017.37 115.5 | 0.580 120.6 | 186.8 2019.375 | 14.7 0.141 8.9 0.157 | TOKOVININ |
| - 20300-7739 | HDS 2931 2.5714 | 140.0 0.213 | 2010.73 38.0 | 0.645 309.3 | 54.7 2019.375 | 92.0 0.119 96.8 0.123 | TOKOVININ |
| - 20406+1539 | HDS 2947 20.3533 | 17.688 0.139 | 2014.815 104.3 | 0.749 158.3 | 101.6 2019.539 | 113.1 0.169 111.1 0.192 | TOKOVININ |
| - 21114-5220 | HU 1626 2.3085 | 155.9 0.841 | 2049.18 149.9 | 0.610 160.0 | 127.0 2018.400 | 106.0 0.924 104.7 0.904 | TOKOVININ |
| 14766 21133+4655 | A 884 1.0405 | 346.0 0.470 | 1831.86 123.2 | 0.567 102.1 | 48.9 2016.606 | 109.0 0.441 108.5 0.442 | LING et al. (4) |

NEW ORBITS (continuation)

| ADS α2000δ | Name n | P a | T i | e ω | Ω(2000) Last ob. | 2019 2020 | Author(s) |
|---|---------------------|------------------|-------------------|----------------------------------|---|----------------------------|------------------|
| - 21158-5316 | FIN 329 9.7655 | 36.86 0.176 | 2003.19 112.8 | 0.054 160.2 | 81.3 2018.400 | 96.0 0.158 91.7 0.170 | TOKOVININ |
| - 21208-4049 | HDS 3039 11.1322 | 32.34 0.265 | 2019.76 106.1 | 0.390 146.5 | 200.7 2019.378 | 28.6 0.145 20.6 0.168 | TOKOVININ |
| 15215 21410+2920 | STT 448 1.4742 | 244.2 0.482 | 2017.12 133.0 | 0.699 336.7 | 36.3 2008.67 | 30.3 0.154 23.4 0.158 | ALZNER |
| - 21533-4650 | FIN 374 12.4267 | 28.97 0.089 | 2005.20 97.6 | 0.800 26.0 | 132.2 2019.529 | 308.4 0.144 308.0 0.140 | TOKOVININ |
| - 22124-1412 | HDS 3152 3.4340 | 104.8 0.528 | 2034.9 77.5 | 0.160 152.5 | 257.3 2019.539 | 327.7 0.111 345.8 0.104 | TOKOVININ |
| - 22234-4324 | HDS 3173 4.3902 | 82.0 0.171 | 2016.32 142.7 | 0.327 189.0 | 196.7 2019.539 | 341.2 0.110 333.1 0.108 | TOKOVININ |
| - 22266-1645 | SHJ 345AB 0.1800 | 2000.0 10.330 | 2021.21 37.1 | 0.878 162.9 | 288.4 2019.539 | 88.8 1.226 93.7 1.238 | TOKOVININ |
| - 22441+0644 | TOK 703 71.7240 | 5.019 0.059 | 2015.926 134.3 | 0.316 166.5 | 168.7 2019.949 | 115.9 0.044 352.6 0.040 | TOKOVININ |
| 16428 22592+1144 | STT 483 1.4157 | 254.3 0.709 | 2024.27 27.5 | 0.355 7.2 | 34.5 2016.658 | 28.9 0.460 31.7 0.459 | ALZNER |

- (1) ALZNER, ARGYLE & HORCH
- (2) SCARDIA, PRIEUR, PANSECCHI, LING, ARGYLE, ARISTIDI, ZANUTTA, MACCARINI, ABE, BENDJOYA, RIVET, SUAREZ & VERNET
- (3) DOCOBO, MÉNDEZ, CAMPO, COSTA & GÓMEZ
- (4) LING, SCARDIA, PRIEUR, PANSECCHI, ARGYLE, ARISTIDI, ZANUTTA, MACCARINI, ABE, BENDJOYA, RIVET, SUAREZ & VERNET

NEW DOUBLE STARS

Discovered by: Marco Scardia using the speckle camera PISCO attached to the Epsilon telescope of the Calern Observatory

| STAR | Coord. FK5 J2000 | Mag. | Epoch | θ ($^{\circ}$) | ρ ($''$) | Notes |
|---------------|-------------------------|-------------|----------|----------------------------|--------------------|----------------|
| SCA 193 Aa,Ab | 13 05 00.78 +13 04 09.7 | 11.1 - 11.4 | 2020.215 | 341.2 | 0.30 | AB is J 2103 |
| SCA 194 AC | 11 16 07.34 +01 35 12.1 | 9.0 - 11.6 | 2020.256 | 178.9 | 2.824 | AB is STF 1522 |
| SCA 194 BC | 11 16 07.34 +01 35 12.1 | 11.0 - 11.6 | 2020.256 | 204.0 | 0.431 | |
| SCA 195 Aa,Ab | 14 12 43.27 +25 46 52.9 | 11.3 - 11.7 | 2020.259 | 230.4 | 0.16 | AB is COU 480 |
| SCA 196 AC | 11 07 43.26 +52 17 05.8 | 11.9 - 13.5 | 2020.278 | 76.0 | 3.12 | AB is DAM 1440 |
| SCA 196 BC | 11 07 43.26 +52 17 05.8 | 12.1 - 13.5 | 2020.278 | 80.4 | 1.0 | |
| SCA 197 AC | 14 14 50.85 +10 06 02.2 | 5.4 - 10.0 | 2020.311 | 109.5 | 1.042 | AB is KUI 66 |
| SCA 197 BC | 14 14 50.85 +10 06 02.2 | 8.4 - 10.0 | 2020.311 | 134.7 | 0.17 | |
| SCA 198 AC | 15 12 39.40 +34 39 35.2 | 10.3 - 13.0 | 2020.376 | 107.8 | 6.290 | AB is TDS 9446 |
| SCA 199 Aa,Ab | 17 24 57.72 +01 07 35.9 | 11.0 - 11.0 | 2020.399 | 158.8 | 0.16 | AB is RST 5431 |

NOTE

Precise identification

Marco Scardia and Luca Maccarini identified the pair, COU 2552, whose precise coordinates are missing in the WDS, along with the star, TYC 3290-1518-1 (01 30 35.88 +51 32 27.0 Eq. 2000). An observation made at Calern observatory using the Epsilon+PISCO telescope on January 11, 2020, confirmed the identification.

Marco Scardia

The deadline for contributions to Information Circular No. 202 is:

October 15th 2020

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