

A. Mrkos

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Observations of Comets and Asteroids at the Klet Observatory in the Year 1974

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During the year 1974 were observed at the Klet Observatory 5 comets and 2 asteroids. The following paper contains their precise positions and total magnitudes.

В 1974 году на обсерватории Клеть было исследовано 5 комет и 2 астероиды. В статье приведены их точные наблюдения и общий блеск.

V roce 1974 bylo na hvězdárně na Kleti pozorováno 5 komet a 2 asteroidy. V práci jsou uvedeny jejich přesné pozice a celkové jasnosti.

The routine programme of comet observations at the Klet Observatory is continued. A list of precise observations of the following objects obtained at the Observatory during the year 1975 is presented:

KOHOUTEK (1973f)
BRADFIELD (1974b)
LOVAS (1974c)
P/SCHWASSMANN – WACHMANN 1
P/HONDA – MRKOS – PAJDUŠKOVÁ (1974f)
ASTEROID 887 Alinda
ASTEROID 433 Eros

The positions of comets were obtained by means of the instruments described in [1]. Reference stars were chosen from the Smithsonian Astrophysical Observatory and AGK-3 Star Catalogues.

The author wishes to express his thanks to Mrs R. Petrovičová of the Klet Observatory for the active help in all tasks.

Reference

- [1] L. MRKOS: Acta Univ. Carol., Math. et Phys. 11, 29 (1970) = Publ. Astr. Inst. Charles Univ. Prague No 61 (1970).

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Comet Kohoutek (1973f)

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | m_1 | Observer |
|-----------|---------------|--|-------------------|-------|-------------|
| 1186 | Jan. 4.69942 | 20 ^h 17 ^m 11.13 ^s | -16°04'46.5" | 3.5 | Petrovičová |
| 1188 | 8.69766 | 21 04 36.69 | -12 44 11.4 | 4.0 | Mrkos |
| | 8.69888 | 21 04 37.90 | -12 44 08.2 | | Mrkos |
| 1191 | 13.70895 | 22 02 52.20 | - 8 02 31.9 | 4.3 | Mrkos |
| | 13.70981 | 22 02 52.82 | - 8 02 29.1 | | Mrkos |
| 1196 | 14.71314 | 22 14 15.11 | - 7 03 31.5 | 4.3 | Petrovičová |
| | 14.71522 | 22 14 16.58 | - 7 03 23.2 | | Petrovičová |
| 1200 | 21.73072 | 23 28 10.92 | - 0 22 32.6 | 5.0 | Petrovičová |
| | 21.73211 | 23 28 11.74 | - 0 22 30.1 | | Petrovičová |
| 1210 | 25.79278 | 0 05 02.32 | + 2 59 41.1 | 5.9 | Mrkos |
| | 25.79365 | 0 05 02.66 | + 2 59 44.0 | | Mrkos |
| 1215 | 26.71937 | 0 12 46.41 | + 3 41 30.1 | 6.2 | Mrkos |
| | 26.72024 | 0 12 46.87 | + 3 41 30.8 | | Mrkos |
| 1225 | Feb. 1.72740 | 0 57 09.32 | + 7 33 32.0 | 6.6 | Petrovičová |
| 1226 | 1.73226 | 0 57 11.08 | + 7 33 39.8 | | Petrovičová |
| 1227 | 2.72500 | 1 03 37.59 | + 8 05 52.9 | 6.8 | Petrovičová |
| 1228 | 2.73056 | 1 03 39.70 | + 8 06 03.0 | | Petrovičová |
| 1229 | 10.76146 | 1 48 07.30 | +11 35 07.0 | 7.0 | Mrkos |
| | 10.76302 | 1 48 07.64 | +11 35 11.9 | | Mrkos |
| 1232 | 11.74116 | 1 52 45.29 | +11 55 25.4 | 7.2 | Mrkos |
| | 11.74307 | 1 52 45.89 | +11 55 26.0 | | Mrkos |
| 1235 | 12.74186 | 1 57 20.30 | +12 15 14.6 | 7.6 | Mrkos |
| | 12.74464 | 1 57 20.99 | +12 15 17.6 | | Mrkos |
| 1237 | 13.78615 | 2 01 57.86 | +12 34 53.6 | 7.7 | Mrkos |
| | 13.78863 | 2 01 58.58 | +12 34 56.1 | | Mrkos |
| 1241 | 15.76413 | 2 10 20.39 | +13 09 39.5 | 8.0 | Petrovičová |
| | 15.76726 | 2 10 20.99 | +13 09 43.9 | | Petrovičová |
| 1243 | 16.85131 | 2 14 43.99 | +13 27 35.1 | 8.8 | Mrkos |
| | 16.85461 | 2 14 44.50 | +13 27 35.2 | | Mrkos |
| 1245 | 17.76053 | 2 18 18.16 | +13 41 50.4 | 9.0 | Mrkos |
| | 17.76383 | 2 18 18.89 | +13 41 53.8 | | Mrkos |
| 1254 | Mar. 20.80045 | 3 44 52.11 | +18 25 08.6 | 13.6 | Mrkos |
| | 20.81486 | 3 44 54.78 | +18 25 17.1 | | Mrkos |

Reference Stars Numbers

| | | | | | | | |
|------|-----|--------|--------|--------|--------|--------|--------|
| 1186 | SAO | 163500 | 163499 | 163480 | 163414 | 163418 | 163497 |
| 1188 | SAO | 164143 | 164164 | 164184 | 164157 | 164173 | 164137 |
| 1191 | SAO | 145860 | 145842 | 145863 | 145886 | 145891 | 145885 |
| 1196 | SAO | 145990 | 145974 | 145968 | 145963 | 146009 | 146014 |
| 1200 | SAO | 146762 | 146749 | 146698 | 128193 | 128215 | 146767 |
| 1210 | SAO | 109002 | 109001 | 109040 | 109053 | 109043 | 109004 |
| 1215 | SAO | 109094 | 109103 | 109127 | 109083 | 109067 | 109052 |
| 1225 | SAO | 109560 | 109539 | 109583 | 109605 | 109614 | 109593 |

| | | | | | | | |
|------|-----|--------|--------|--------|--------|--------|---------------|
| 1226 | SAO | 109560 | 109539 | 109583 | 109605 | 109614 | 109593 |
| 1227 | SAO | 109681 | 109645 | 109644 | 109658 | 109683 | 109702 |
| 1228 | SAO | 109681 | 109645 | 109644 | 109658 | 109683 | 109702 |
| 1229 | SAO | 092649 | 092648 | 092671 | 092689 | 092669 | 092659 |
| 1232 | SAO | 092704 | 092700 | 092682 | 092671 | 092689 | 092701 |
| 1235 | SAO | 092739 | 092704 | 092725 | 092751 | 092761 | 092770 |
| 1237 | SAO | 092788 | 092789 | 092769 | 092761 | 092770 | AGK 3 +12°229 |
| 1241 | SAO | 092843 | 092812 | 092823 | 092840 | 092880 | 092879 |
| 1243 | SAO | 092880 | 092840 | 092837 | 092854 | 092882 | 092893 |
| 1245 | SAO | 092880 | 092890 | 092916 | 092930 | 092933 | 092904 |
| 1254 | SAO | 093592 | 093587 | 093581 | 093609 | 093643 | 093644 |

Comet Bradfield (1974b)

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | m_1 | Observer |
|-----------|---------------|---|-------------------|-------|-------------|
| 1251 | Mar. 20.77319 | 1 ^h 56 ^m 27.69 ^s | + 0°56'47.4" | 5.5 | Mrkos |
| 1257 | 24.78233 | 2 07 16.14 | +11 05 09.9 | 5.8 | Mrkos |
| | 24.78354 | 2 07 16.27 | +11 05 21.1 | | Mrkos |
| 1261 | 25.78495 | 2 09 32.37 | +13 46 52.8 | 6.0 | Mrkos |
| | 25.78669 | 2 09 32.62 | +13 47 08.9 | | Mrkos |
| 1265 | 27.78134 | 2 13 34.86 | +19 14 21.7 | 6.1 | Mrkos |
| | 27.78221 | 2 13 34.98 | +19 14 32.1 | | Mrkos |
| 1271 | 29.79058 | 2 17 01.23 | +24 45 02.2 | 6.2 | Petrovičová |
| | 29.79197 | 2 17 01.11 | +24 45 15.3 | | Petrovičová |
| 1274 | 30.79024 | 2 18 30.93 | +27 27 38.3 | 6.0 | Petrovičová |
| | 30.79128 | 2 18 30.95 | +27 27 47.5 | | Petrovičová |
| 1276 | Apr. 9.80806 | 2 27 43.55 | +51 06 36.4 | 6.9 | Petrovičová |
| | 9.80944 | 2 27 43.79 | +51 06 44.8 | | Petrovičová |
| 1278 | 12.82964 | 2 29 12.42 | +56 39 58.9 | 7.3 | Mrkos |
| 1280 | 13.82593 | 2 29 38.08 | +58 20 53.0 | 7.4 | Mrkos |
| 1284 | 14.82934 | 2 30 02.61 | +59 58 12.1 | 7.5 | Mrkos |
| | 14.83073 | 2 30 02.77 | +59 58 20.5 | | Mrkos |
| 1287 | 19.82389 | 2 32 00.04 | +67 07 01.0 | 8.2 | Petrovičová |
| | 19.82528 | 2 32 00.07 | +67 07 05.8 | | Petrovičová |
| 1291 | 21.87463 | 2 32 52.24 | +69 40 06.9 | 8.5 | Petrovičová |
| 1292 | 22.82221 | 2 33 17.93 | +70 47 07.2 | 8.7 | Petrovičová |
| | 22.82429 | 2 33 18.10 | +70 47 15.2 | 8.8 | Petrovičová |
| 1300 | May 26.86495 | 14 16 50.22 | +82 14 45.7 | 10.0 | Petrovičová |
| | 26.87398 | 14 16 50.79 | +82 14 28.0 | | Petrovičová |
| 1303 | June 15.95589 | 14 38 51.32 | +70 49 37.5 | 12.8 | Mrkos |
| 1304 | 16.89701 | 14 39 40.66 | +70 19 26.6 | 13.0 | Mrkos |
| | 16.90865 | 14 39 41.65 | +70 19 11.0 | | Mrkos |
| 1305 | 17.91175 | 14 40 36.13 | +69 46 57.6 | 13.0 | Mrkos |
| | 17.92703 | 14 40 36.51 | +69 46 42.2 | | Mrkos |

Reference Stars Numbers

| | | | | | | | |
|------|-----|--------|--------|--------|--------|---------------|---------------|
| 1251 | SAO | 110258 | 110242 | 110235 | 110299 | 110285 | 110282 |
| 1257 | SAO | 092804 | 092798 | 092835 | 092862 | 092839 | 092819 |
| 1261 | SAO | 092837 | 092820 | 092821 | 092841 | 092840 | AGK 3 +13°182 |
| 1265 | SAO | 092877 | 092868 | 092846 | 092848 | 092873 | 092884 |
| 1271 | SAO | 075284 | 075239 | 075238 | 075324 | 075323 | AGK 3 +24°205 |
| 1274 | SAO | 075318 | 075328 | 075301 | 075271 | 075275 | 075295 |
| 1276 | SAO | 023384 | 023377 | 023387 | 023445 | AGK 3 +50°283 | AGK 3 +51°241 |
| 1278 | SAO | 023392 | 023379 | 023433 | 023516 | 023432 | 023368 |
| 1280 | SAO | 023391 | 023372 | 023414 | 023466 | 023446 | 023456 |
| 1284 | SAO | 023420 | 012321 | 012343 | 023474 | 023444 | AGK 3 +60°264 |
| 1287 | SAO | 012391 | 012373 | 012328 | 012310 | AGK 3 +66°159 | AGK 3 +67°149 |
| 1291 | SAO | 012358 | 012386 | 012341 | 012318 | 012323 | AGK 3 +69°127 |
| 1292 | SAO | 004685 | 004673 | 004677 | 004701 | 004719 | AGK 3 +70°140 |
| 1300 | SAO | 002353 | 002359 | 002378 | 002362 | 002350 | 002338 |
| 1303 | SAO | 008069 | 008068 | 008028 | 008041 | 008065 | 008076 |
| 1304 | SAO | 008065 | 008035 | 008041 | 008069 | 008095 | 008076 |
| 1305 | SAO | 016482 | 016465 | 008065 | 008076 | 008089 | AGK 3 +69°582 |

Comet Lovas (1974c)

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | m_1 | Observer |
|-----------|---------------|--|-------------------|-------|-------------|
| 1283 | Apr. 13.93418 | 12 ^h 29 ^m 26.62 ^s | -0°09'46.0" | 15 | Mrkos |
| | | 12 29 25.92 | -0 09 45.2 | | Mrkos |
| 1286 | 14.95955 | 12 28 44.62 | -0 10 26.3 | 15 | Petrovičová |
| | | 12 28 43.96 | -0 10 27.4 | | Petrovičová |
| 1290 | 19.91313 | 12 25 25.48 | -0 14 17.6 | 15 | Petrovičová |
| | | 12 25 24.99 | -0 14 24.7 | | Petrovičová |

Reference Stars Numbers

| | | | | |
|------|---------------|---------------|---------------|---------------|
| 1283 | AGK 3 +0°2949 | AGK 3 -0°2948 | AGK 3 -0°2589 | AGK 3 -0°2958 |
| | AGK 3 +0°2954 | AGK 3 +0°2707 | | |
| 1286 | AGK 3 +0°2949 | AGK 3 -0°2948 | AGK 3 -0°2589 | AGK 3 -0°2958 |
| | AGK 3 +0°2954 | AGK 3 +0°2707 | | |
| 1290 | AGK 3 -0°2948 | AGK 3 -0°2579 | AGK 3 -0°2570 | AGK 3 -0°2942 |
| | AGK 3 +0°2943 | AGK 3 +0°2949 | | |

Periodic Comet Schwassmann-Wachmann 1

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | m_1 | Observer |
|-----------|----------------|--|-------------------|-------|-------------|
| 1322 | Sept. 11.87529 | 23 ^h 17 ^m 44.73 ^s | +2°09'42.7" | 12 | Petrovičová |
| | | 11.89369 | +2 09 42.5 | | Petrovičová |
| 1324 | 12.86000 | 23 17 16.94 | +2 07 41.3 | 12.7 | Mrkos |
| | | 12.87632 | +2 07 40.9 | | Mrkos |
| 1327 | 16.86616 | 23 15 23.70 | +1 59 07.3 | 13.2 | Mrkos |
| 1329 | 17.87413 | 23 14 55.51 | +1 56 55.6 | 13.5 | Petrovičová |
| | | 17.89323 | +1 56 49.4 | | Petrovičová |
| 1334 | Oct. 11.78917 | 23 05 01.24 | +1 04 39.0 | 17 | Mrkos |
| 1336 | 17.76977 | 23 03 09.87 | +0 53 09.4 | 17 | Mrkos |
| 1156 | Nov. 9.79196 | 22 59 32.38 | +0 24 58.2 | 17.2 | Petrovičová |
| | | 9.80671 | +0 24 57.7 | | Petrovičová |
| 1352 | 13.79660 | 22 59 31.45 | +0 23 07.5 | 12.8 | Mrkos |
| | | 13.78132 | +0 23 08.1 | | Mrkos |
| 1356 | 14.76751 | 22 59 32.84 | +0 22 51.7 | 12.5 | Mrkos |
| | | 14.78192 | +0 22 50.4 | | Mrkos |
| 1358 | 15.76723 | 22 59 35.07 | +0 22 36.4 | | Petrovičová |
| | | 15.78321 | +0 22 37.2 | | Petrovičová |
| 1362 | 16.75480 | 22 59 37.68 | +0 22 28.8 | 13.0 | Mrkos |
| | | 16.76921 | +0 22 28.9 | | Mrkos |
| 1364 | 17.75469 | 22 59 41.37 | +0 22 25.2 | 13.0 | Mrkos |
| | | 17.76910 | +0 22 23.3 | | Mrkos |
| 21 | Dec. 14.74071 | 23 05 27.51 | +0 45 26.0 | 17.0 | Mrkos |
| | | 14.75512 | +0 45 27.3 | | Mrkos |

Reference Stars Numbers

| | | | | | | | | |
|------|-------|---------|--------|---------------|--------|---------------|---------------|---------------|
| 1322 | SAO | 128117 | 128110 | 128118 | 128138 | 128150 | 128135 | |
| 1324 | SAO | 128110 | 128107 | 128118 | 128138 | 128135 | 128120 | |
| 1327 | SAO | 128117 | 128118 | 128107 | 128080 | 128064 | 128128 | |
| 1329 | SAO | 128117 | 128118 | 128107 | 128080 | 128064 | 128128 | |
| 1334 | SAO | 127961 | 127988 | 128002 | 127995 | AGK 3 +1°4973 | | AGK 3 +0°4965 |
| 1336 | SAO | 127948 | 127961 | 127988 | 127995 | 127936 | AGK 3 +0°4968 | |
| 1156 | SAO | 127912 | 127917 | 127936 | 127914 | 127903 | | |
| 1352 | SAO | 127912 | 127917 | 127936 | 127914 | 127903 | 127883 | |
| 1356 | SAO | 127912 | 127917 | 127936 | 127914 | 127903 | 127883 | |
| 1358 | SAO | 127912 | 127917 | 127936 | 127914 | 127903 | 127883 | |
| 1362 | SAO | 127912 | 127917 | 127936 | 127914 | 127903 | 127883 | |
| 1364 | SAO | 127912 | 127917 | 127936 | 127914 | 127903 | 127883 | |
| 21 | AGK 3 | +0°4968 | | AGK 3 +0°4965 | | AGK 3 +0°4468 | | AGK 3 +0°4469 |
| | AGK 3 | +0°4473 | | | | | | |

Periodic Comet Honda-Mrkos-Pajdušáková (1974f)

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | m_1 | Observer |
|-----------|---------------|--|-------------------|-------|-------------|
| 20 | Dec. 14.70494 | 20 ^h 09 ^m 06.00 _s | -14°50'59.4" | 9.0 | Mrkos |
| | | 14.70963 | -14 51 00.5 | | Mrkos |
| 25 | 21.70486 | 20 31 12.16 | -16 16 49.2 | 8.2 | Petrovičová |
| 26 | 21.71597 | 20 31 13.99 | -16 16 56.7 | | Petrovičová |

Reference Stars Numbers

| | | | | | | | |
|----|-----|--------|--------|--------|--------|--------|--------|
| 20 | SAO | 163340 | 163322 | 163300 | 163303 | 163360 | |
| 25 | SAO | 163672 | 163661 | 163666 | 163712 | 163701 | 163689 |
| 26 | SAO | 163672 | 163661 | 163666 | 163712 | 163701 | 163689 |

Asteroid (887) Alinda

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | Observer |
|-----------|---------------|---|-------------------|-------------|
| 1190 | Jan. 12.83478 | 7 ^h 45 ^m 47.89 _s | +23°28'42.0" | Mrkos |
| | | 12.84034 | +23 29 03.2 | Mrkos |
| 1195 | 13.79905 | 7 50 32.68 | +24 29 48.0 | Mrkos |
| | | 13.80165 | +24 29 57.2 | Mrkos |
| 1199 | 14.84178 | 7 55 36.73 | +25 33 37.1 | Petrovičová |
| | | 14.84456 | +25 33 47.9 | Petrovičová |
| 1213 | 25.91188 | 8 43 52.40 | +34 02 32.3 | Mrkos |
| | | 25.91575 | +34 02 40.1 | Mrkos |
| 1221 | 26.86278 | 8 47 25.81 | +34 31 59.1 | Mrkos |
| | | 26.86556 | +34 32 04.0 | Mrkos |
| 1224 | 28.79040 | 8 54 18.39 | +35 25 25.8 | Mrkos |
| | | 28.79301 | +35 25 29.5 | Mrkos |
| 1231 | Feb. 10.79184 | 9 30 01.81 | +38 30 51.5 | Mrkos |
| | | 10.79601 | +38 30 53.2 | Mrkos |
| 1234 | 11.77623 | 9 32 04.38 | +38 35 11.3 | Mrkos |
| | | 11.78109 | +38 35 13.2 | Mrkos |
| 1236 | 12.75332 | 9 34 01.24 | +38 38 25.4 | Mrkos |
| | | 12.76895 | +38 38 28.9 | Mrkos |
| 1239 | 13.80819 | 9 36 02.26 | +38 40 54.3 | Mrkos |
| | | 13.81306 | +38 40 54.6 | Mrkos |
| 1242 | 15.77976 | 9 39 36.48 | +38 42 26.8 | Petrovičová |
| | | 15.78531 | +38 42 25.6 | Petrovičová |
| 1244 | 16.86537 | 9 41 26.95 | +38 41 53.0 | Mrkos |
| | | 16.87006 | +38 41 52.5 | Mrkos |
| 1250 | Mar. 18.82450 | 10 17 10.29 | +34 00 18.4 | Mrkos |
| | | 18.83561 | +34 00 10.0 | Mrkos |
| 1255 | 20.83309 | 10 19 10.94 | +33 31 16.0 | Mrkos |
| | | 20.84403 | +33 31 05.3 | Mrkos |
| 1260 | 24.84257 | 10 23 13.08 | +32 31 25.0 | Mrkos |
| | | 24.85698 | +32 31 14.9 | Mrkos |

Reference Stars Numbers

| | | | | | | | | |
|------|----------------|----------------|--------|----------------|----------------|----------------|----------------|----------------|
| 1190 | SAO | 079721 | 079693 | 079688 | 079708 | 079740 | 079750 | |
| 1195 | SAO | 079790 | 079801 | 079803 | 079778 | 079753 | 079739 | |
| 1199 | SAO | 079827 | 079792 | 079816 | 079829 | 079861 | 079855 | |
| 1213 | SAO | 061006 | 060997 | 061056 | 061086 | 061068 | 061048 | |
| 1221 | SAO | 061107 | 061085 | 061056 | 061068 | 061086 | 061099 | |
| 1224 | SAO | 061148 | 061135 | 061140 | 061161 | 061194 | 061181 | |
| 1231 | SAO | 061573 | 061572 | 061517 | 061534 | 061539 | 061581 | |
| 1234 | SAO | 061573 | 061572 | 061599 | 061581 | AGK 3 +38°1009 | | AGK 3 +38°1008 |
| 1236 | SAO | 061573 | 061572 | 061599 | 061581 | AGK 3 +38°1009 | | AGK 3 +38°1008 |
| 1239 | SAO | 061599 | 061581 | 061643 | AGK 3 +38°1009 | AGK 3 +38°1004 | | |
| | | AGK 3 +39°1067 | | | | | | |
| 1242 | AGK 3 +38°1012 | | | AGK 3 +39°1070 | | AGK 3 +39°1067 | | AGK 3 +38°1009 |
| | AGK 3 +37°1018 | | | AGK 3 +38°1015 | | | | |
| 1244 | AGK 3 +30°1011 | | | AGK 3 +38°1013 | | AGK 3 +38°1017 | | AGK 3 +38°1016 |
| | AGK 3 +39°1073 | | | AGK 3 +39°1070 | | | | |
| 1250 | SAO | 061986 | 061982 | 061960 | 061999 | AGK 3 +34°1076 | | AGK 3 +34°1077 |
| 1255 | SAO | 062005 | 062004 | 061990 | 061982 | 061986 | 061999 | |
| 1260 | SAO | 062014 | 062066 | 062102 | 062052 | 062035 | AGK 3 +32°1016 | |

Asteroid (433) Eros

| Plate No. | 1974 U Γ | α (1950.0) | δ (1950.0) | Observer | |
|-----------|-----------------|-------------------|---|--------------|-------------|
| 1326 | Sept. | 15.88146 | 4 ^h 01 ^m 26.49 ^s | +40°27'43.6" | Mrkos |
| | | 15.88910 | 4 01 27.56 | +40 27 53.0 | Mrkos |
| 1328 | | 16.89532 | 4 04 03.12 | +40 47 03.0 | Petrovičová |
| | | 16.90227 | 4 04 04.22 | +40 47 11.2 | Petrovičová |
| 1330 | | 17.91649 | 4 06 41.45 | +41 06 30.9 | Petrovičová |
| | | 17.92344 | 4 06 42.56 | +41 06 38.2 | Petrovičová |
| 1335 | Oct. | 11.85881 | 5 12 38.22 | +48 19 46.0 | Mrkos |
| | | 11.86367 | 5 12 39.13 | +48 19 54.4 | Mrkos |
| 1337 | | 17.86491 | 5 30 20.11 | +49 58 04.8 | Mrkos |
| | | 17.86977 | 5 30 21.02 | +49 58 08.5 | Mrkos |
| 1338 | Nov. | 7.88588 | 6 34 10.39 | +54 38 29.3 | Mrkos |
| | | 7.88866 | 6 34 10.88 | +54 38 31.4 | Mrkos |
| 1341 | | 8.85420 | 6 37 05.64 | +54 48 15.5 | Mrkos |
| | | 8.85698 | 6 37 06.23 | +54 48 18.1 | Mrkos |
| 1345 | | 9.91331 | 6 40 16.39 | +54 58 40.2 | Mrkos |
| | | 9.92182 | 6 40 17.88 | +54 58 45.6 | Mrkos |
| 1 | | 11.85895 | 6 46 03.85 | +55 16 31.4 | Mrkos |
| | | 11.86172 | 6 46 04.35 | +55 16 33.3 | Mrkos |
| 1354 | | 13.88238 | 6 52 00.45 | +55 33 35.8 | Mrkos |
| | | 13.88586 | 6 52 01.01 | +55 33 38.4 | Mrkos |
| 1357 | | 14.82741 | 6 54 44.84 | +55 40 55.2 | Mrkos |
| | | 14.83071 | 6 54 45.45 | +55 40 56.8 | Mrkos |
| 11 | | 15.87350 | 6 57 45.33 | +55 48 42.3 | Petrovičová |

Asteroid (433) Eros

cont.

| Plate No. | 1974 UT | α (1950.0) | δ (1950.0) | Observer |
|-----------|---------------|-------------------|-------------------|-------------|
| 1366 | 15.87627 | 6 57 45.81 | +55 48 43.5 | Petrovičová |
| | 17.84028 | 7 03 19.62 | +56 01 52.0 | Mrkos |
| | 17.84375 | 7 03 20.19 | +56 01 53.6 | Mrkos |
| 19 | Dec. 12.87692 | 7 56 47.83 | +55 31 35.2 | Petrovičová |
| | 12.87831 | 7 56 47.84 | +55 31 34.2 | Petrovičová |
| 23 | 14.85407 | 7 58 56.54 | +55 08 00.3 | Mrkos |
| | 14.85703 | 7 58 56.70 | +55 07 58.6 | Mrkos |

Reference Stars Numbers

| | | | | | | | |
|------|-----|--------|--------|--------|--------|---------------|---------------|
| 1326 | SAO | 039304 | 039265 | 039261 | 039269 | 039294 | 039320 |
| 1328 | SAO | 039323 | 039294 | 039314 | 039334 | AGK 3 +40°466 | AGK 3 +40°473 |
| 1330 | SAO | 039357 | 039334 | 039341 | 039362 | 039389 | AGK 3 +40°473 |
| 1335 | SAO | 040155 | 040154 | 040195 | 040210 | 040198 | 040171 |
| 1337 | SAO | 040450 | 040400 | 025236 | 025244 | 025297 | 040479 |
| 1338 | SAO | 025828 | 025820 | 025862 | 025889 | 025873 | 025843 |
| 1341 | SAO | 025889 | 025933 | 025926 | 025899 | 025857 | 025828 |
| 1345 | SAO | 025926 | 025873 | 025889 | 025950 | 025934 | 025958 |
| 1 | SAO | 025989 | 026004 | 025974 | 025966 | 025958 | 025949 |
| 1354 | SAO | 026037 | 026088 | 026086 | 026064 | 026021 | 026004 |
| 1357 | SAO | 026088 | 026086 | 026085 | 026064 | 026030 | 026037 |
| 11 | SAO | 026123 | 026089 | 026085 | 026086 | 026088 | 026124 |
| 1366 | SAO | 026137 | 026160 | 026201 | 026208 | 026169 | 026146 |
| 19 | SAO | 026597 | 026592 | 026624 | 026651 | 026590 | AGK 3 +55°627 |
| 23 | SAO | 026630 | 026629 | 026648 | 026660 | 026656 | AGK 3 +55°627 |