Contrib. Astron. Obs. Skalnaté Pleso **42**, 103 – 114, (2012)

# Astrometry of comets made at the Skalnaté Pleso Observatory in the year 2001

**J. Svoreň**

*Astronomical Institute of the Slovak Academy of Sciences*
*059 60 Tatranská Lomnica, The Slovak Republic*

Received: September 10, 2012; Accepted: November 26, 2012

**Abstract.** The paper presents the results of CCD astrometry of comets carried out at the Skalnaté Pleso Observatory in 2001. A total of 201 observations of 14 comets are given.
**Key words:** comets – astrometry

## 1. Introduction

This paper is a continuation of the previous papers which gave the results of positional observations of comets made at the Skalnaté Pleso Observatory (the last paper of this series: Svoreň; 2012) and contains positional comet observations made in the year 2001.

The article contains the cometary positions obtained by a 0.61-m f/4.4 mirror telescope of the Skalnaté Pleso Observatory equipped with a CCD camera SBIG ST-8. The CCD camera is placed at the Newton focus and the size of the observed sky area is $13 \times 19$ seconds of arc.

The reduction constants of the Skalnaté Pleso 0.61-m telescope are as follows:
$\lambda = -\ 1^h\ 20^m\ 58.70^s$,
$\varphi = +49^\circ\ 11'\ 20.0''$,
h = 1783 m m.s.l.,
$\rho = 0.99836$ of the equatorial radius of the Earth.

The reference stars were selected from the USNO-A V2.0 Star Catalogue (Monet et al., 1998). The method of plate constants and the computer programme Astrometrica (Raab, 1993) were used to reduction of obtained frames.

## 2. Positions of comets

The data have been arranged according to the new system designation. A list of collaborators is given, together with their share in photographing, measuring and reducing the positions.

The individual columns of the table contain the following:
N – ordinal number of observation
Date U.T. – date and time of the middle of the exposure

$R.A._{2000}$ – right ascension for equinox 2000.0 (in h, m, s)
$Decl._{2000}$ – declination for equinox 2000.0 (in °, ′, ″)
Magn. – R magnitude of the comet
Ref. st. – number of reference stars used to calculate the plate constants and photometric calibration of an image
d$\alpha$ – the mean residual in R.A. (in s)
d$\delta$ – the mean residual in Decl. (in ″)
dmag – the mean residual in mag.

| N | Date U.T. | | $R.A._{2000}$ d$\alpha$ | $Decl._{2000}$ d$\delta$ | Magn. dmag | Ref. st. |
|---|---|---|---|---|---|---|
| | | | Periodic Comet 16P/Brooks 2 | | | |
| 01 | 2001 Nov. | 10.84883 | 05 18 37.91 | +13 55 44.3 | 15.2 | 9 |
| | | | 0.02 | 0.3 | 0.2 | |
| 02 | 2001 Nov. | 10.86550 | 05 18 37.42 | +13 55 40.6 | 15.4 | 9 |
| | | | 0.02 | 0.2 | 0.2 | |
| 03 | 2001 Nov. | 11.88353 | 05 18 04.35 | +13 51 54.1 | 15.3 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| 04 | 2001 Nov. | 27.03843 | 05 07 02.94 | +13 05 47.7 | 14.9 | 9 |
| | | | 0.01 | 0.2 | 0.3 | |
| 05 | 2001 Dec. | 04.76718 | 05 00 21.48 | +12 51 40.3 | 16.0 | 10 |
| | | | 0.01 | 0.1 | 0.4 | |
| 06 | 2001 Dec. | 06.74594 | 04 58 38.35 | +12 49 15.0 | 15.9 | 10 |
| | | | 0.01 | 0.1 | 0.1 | |
| 07 | 2001 Dec. | 06.75942 | 04 58 37.65 | +12 49 14.6 | 15.8 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| 08 | 2001 Dec. | 07.72278 | 04 57 47.86 | +12 48 14.5 | 15.8 | 9 |
| | | | 0.01 | 0.2 | 0.1 | |
| 09 | 2001 Dec. | 08.74162 | 04 56 55.55 | +12 47 19.2 | 15.9 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| 10 | 2001 Dec. | 09.80339 | 04 56 01.53 | +12 46 30.4 | 16.4 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| 11 | 2001 Dec. | 09.86836 | 04 55 58.13 | +12 46 28.3 | 15.8 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| 12 | 2001 Dec. | 11.85155 | 04 54 19.19 | +12 45 21.4 | 16.0 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| | | | Periodic Comet 19P/Borelly | | | |
| 13 | 2001 Nov. | 12.02950 | 10 40 51.05 | +29 55 38.3 | 13.1 | 8 |
| | | | 0.01 | 0.1 | 0.3 | |
| 14 | 2001 Nov. | 26.99123 | 11 23 50.97 | +32 26 15.0 | 13.3 | 8 |
| | | | 0.02 | 0.3 | 0.3 | |
| 15 | 2001 Dec. | 07.97852 | 11 51 41.52 | +34 28 11.9 | 13.2 | 9 |
| | | | 0.02 | 0.3 | 0.2 | |

| N | Date U.T. | | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|---|
| | | | d$\alpha$ | d$\delta$ | dmag | |
| 16 | 2001 Dec. | 07.98785 | 11 51 42.79 | +34 28 18.5 | 13.2 | 9 |
| | | | 0.02 | 0.3 | 0.3 | |
| 17 | 2001 Dec. | 09.06450 | 11 54 14.75 | +34 41 03.8 | 13.3 | 9 |
| | | | 0.01 | 0.3 | 0.2 | |
| 18 | 2001 Dec. | 09.07459 | 11 54 16.13 | +34 41 10.2 | 13.3 | 9 |
| | | | 0.01 | 0.1 | 0.2 | |
| 19 | 2001 Dec. | 09.08118 | 11 54 17.00 | +34 41 14.9 | 13.3 | 11 |
| | | | 0.01 | 0.3 | 0.2 | |
| 20 | 2001 Dec. | 10.01060 | 11 56 26.31 | +34 52 19.2 | 13.5 | 7 |
| | | | 0.02 | 0.3 | 0.2 | |
| 21 | 2001 Dec. | 10.01889 | 11 56 27.43 | +34 52 26.0 | 13.2 | 7 |
| | | | 0.01 | 0.3 | 0.1 | |
| | Periodic Comet 29P/Schwassmann-Wachmann 1 | | | | | |
| 22 | 2001 Oct. | 18.70943 | 18 48 10.85 | -26 30 42.2 | 15.3 | 9 |
| | | | 0.01 | 0.2 | 0.5 | |
| 23 | 2001 Oct. | 18.71197 | 18 48 10.93 | -26 30 42.9 | 15.4 | 9 |
| | | | 0.01 | 0.2 | 0.5 | |
| 24 | 2001 Oct. | 19.71912 | 18 48 40.26 | -26 29 00.5 | 15.0 | 8 |
| | | | 0.02 | 0.2 | 0.3 | |
| 25 | 2001 Oct. | 19.73857 | 18 48 40.91 | -26 28 58.2 | 14.9 | 7 |
| | | | 0.02 | 0.3 | 0.3 | |
| 26 | 2001 Oct. | 20.70501 | 18 49 09.46 | -26 27 20.1 | 15.3 | 8 |
| | | | 0.01 | 0.3 | 0.2 | |
| 27 | 2001 Oct. | 20.71495 | 18 49 09.78 | -26 27 20.6 | 15.7 | 8 |
| | | | 0.02 | 0.3 | 0.3 | |
| | Periodic Comet 41P/Tuttle-Giacobini-Kresák | | | | | |
| 28 | 2001 Jan. | 04.18163 | 15 57 02.64 | -14 49 53.9 | | 10 |
| | | | 0.02 | 0.2 | | |
| 29 | 2001 Jan. | 04.18896 | 15 57 04.62 | -14 49 58.1 | | 10 |
| | | | 0.02 | 0.3 | | |
| 30 | 2001 Jan. | 20.18316 | 17 08 36.59 | -16 42 30.4 | | 9 |
| | | | 0.01 | 0.2 | | |
| 31 | 2001 Aug. | 17.93166 | 21 44 47.68 | -14 21 10.1 | 15.1 | 10 |
| | | | 0.01 | 0.2 | 0.3 | |
| 32 | 2001 Aug. | 17.95078 | 21 44 46.48 | -14 21 20.7 | 15.1 | 10 |
| | | | 0.01 | 0.2 | 0.3 | |
| 33 | 2001 Aug. | 25.89609 | 21 36 45.65 | -15 26 19.1 | | 8 |
| | | | 0.02 | 0.2 | | |
| 34 | 2001 Aug. | 26.94275 | 21 35 48.61 | -15 35 28.6 | 16.6 | 8 |
| | | | 0.01 | 0.3 | 0.5 | |
| | Periodic Comet 44P/Reinmuth 2 | | | | | |
| 35 | 2001 Dec. | 09.92414 | 05 11 47.98 | +29 22 12.9 | 17.2 | 8 |

| N | Date U.T. | | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|---|
| | | | d$\alpha$ | d$\delta$ | dmag | |
| | | | 0.01 | 0.3 | 0.2 | |
| 36 | 2001 Dec. | 09.94067 | 05 11 46.96 | +29 22 10.2 | 17.1 | 8 |
| | | | 0.01 | 0.3 | 0.2 | |
| 37 | 2001 Dec. | 14.79302 | 05 06 50.66 | +29 06 21.5 | 16.4 | 9 |
| | | | 0.01 | 0.2 | 0.2 | |
| 38 | 2001 Dec. | 14.80540 | 05 06 49.96 | +29 06 19.3 | 16.4 | 9 |
| | | | 0.01 | 0.2 | 0.2 | |
| | | | Periodic Comet 74P/Smirnova-Chernykh | | | |
| 39 | 2001 Feb. | 16.87353 | 12 01 40.39 | +09 31 43.7 | | 9 |
| | | | 0.01 | 0.3 | | |
| 40 | 2001 Feb. | 16.88620 | 12 01 40.13 | +09 31 47.9 | | 9 |
| | | | 0.01 | 0.1 | | |
| 41 | 2001 Feb. | 17.98641 | 12 01 12.65 | +09 36 21.9 | | 10 |
| | | | 0.01 | 0.2 | | |
| 42 | 2001 Feb. | 18.00174 | 12 01 12.23 | +09 36 26.3 | | 10 |
| | | | 0.01 | 0.2 | | |
| 43 | 2001 Mar. | 02.88708 | 11 54 40.97 | +10 32 31.1 | | 8 |
| | | | 0.01 | 0.2 | | |
| 44 | 2001 Mar. | 02.91290 | 11 54 39.99 | +10 32 37.5 | | 8 |
| | | | 0.02 | 0.2 | | |
| 45 | 2001 Mar. | 16.83731 | 11 46 07.15 | +11 29 55.6 | | 8 |
| | | | 0.01 | 0.1 | | |
| 46 | 2001 Mar. | 28.99118 | 11 38 36.94 | +12 08 33.1 | | 11 |
| | | | 0.02 | 0.3 | | |
| 47 | 2001 Mar. | 28.99823 | 11 38 36.77 | +12 08 33.7 | | 11 |
| | | | 0.02 | 0.3 | | |
| 48 | 2001 Mar. | 31.00228 | 11 37 27.43 | +12 13 26.2 | | 10 |
| | | | 0.02 | 0.2 | | |
| 49 | 2001 Mar. | 31.01543 | 11 37 26.92 | +12 13 28.1 | | 10 |
| | | | 0.02 | 0.2 | | |
| 50 | 2001 Apr. | 01.89266 | 11 36 24.10 | +12 17 37.6 | | 10 |
| | | | 0.01 | 0.1 | | |
| 51 | 2001 Apr. | 03.81922 | 11 35 21.59 | +12 21 25.9 | | 6 |
| | | | 0.01 | 0.2 | | |
| 52 | 2001 Apr. | 25.89799 | 11 26 55.88 | +12 30 54.2 | | 6 |
| | | | 0.02 | 0.3 | | |
| 53 | 2001 Apr. | 25.91519 | 11 26 55.58 | +12 30 53.1 | | 6 |
| | | | 0.01 | 0.1 | | |
| 54 | 2001 May | 13.87329 | 11 25 57.49 | +11 53 20.4 | | 9 |
| | | | 0.01 | 0.2 | | |
| 55 | 2001 May | 14.83117 | 11 26 03.64 | +11 50 19.4 | | 8 |
| | | | 0.01 | 0.2 | | |
| 56 | 2001 May | 14.85212 | 11 26 03.81 | +11 50 15.4 | | 7 |
| | | | 0.01 | 0.1 | | |

| N | Date U.T. | | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|---|
| | | | d$\alpha$ | d$\delta$ | dmag | |
| 57 | 2001 May | 20.90520 | 11 27 04.33 | +11 29 01.8 | 14.8 | 10 |
| | | | 0.02 | 0.3 | 0.3 | |
| 58 | 2001 May | 23.86086 | 11 27 46.79 | +11 17 23.1 | | 8 |
| | | | 0.01 | 0.2 | | |
| 59 | 2001 May | 23.87294 | 11 27 47.09 | +11 17 19.4 | | 6 |
| | | | 0.02 | 0.1 | | |
| 60 | 2001 May | 24.83285 | 11 28 02.80 | +11 13 21.9 | | 7 |
| | | | 0.02 | 0.3 | | |
| 61 | 2001 May | 24.84705 | 11 28 02.97 | +11 13 17.3 | | 7 |
| | | | 0.02 | 0.2 | | |
| | | | Comet 1999 J2 Skiff | | | |
| 62 | 2001 Feb. | 17.09289 | 16 05 30.87 | +10 17 44.0 | | 10 |
| | | | 0.02 | 0.3 | | |
| 63 | 2001 Feb. | 18.07184 | 16 05 29.58 | +10 17 48.8 | | 10 |
| | | | 0.01 | 0.3 | | |
| 64 | 2001 Mar. | 30.88175 | 15 56 09.32 | +10 31 32.5 | | 10 |
| | | | 0.02 | 0.2 | | |
| 65 | 2001 Mar. | 30.95345 | 15 56 07.47 | +10 31 31.0 | | 10 |
| | | | 0.02 | 0.2 | | |
| 66 | 2001 Apr. | 01.93208 | 15 55 15.66 | +10 31 46.4 | | 10 |
| | | | 0.01 | 0.1 | | |
| 67 | 2001 Apr. | 01.94992 | 15 55 15.19 | +10 31 46.4 | | 10 |
| | | | 0.02 | 0.1 | | |
| 68 | 2001 Apr. | 25.92579 | 15 42 29.91 | +10 21 13.0 | | 8 |
| | | | 0.01 | 0.2 | | |
| 69 | 2001 Apr. | 25.95310 | 15 42 28.84 | +10 21 10.3 | | 8 |
| | | | 0.01 | 0.2 | | |
| 70 | 2001 Apr. | 27.89098 | 15 41 18.40 | +10 18 56.9 | | 9 |
| | | | 0.01 | 0.2 | | |
| 71 | 2001 Apr. | 27.91524 | 15 41 17.52 | +10 18 52.3 | | 9 |
| | | | 0.01 | 0.2 | | |
| 72 | 2001 May | 03.90672 | 15 37 34.90 | +10 10 17.9 | 15.0 | 10 |
| | | | 0.02 | 0.2 | 0.3 | |
| 73 | 2001 May | 03.92164 | 15 37 34.39 | +10 10 22.0 | 14.9 | 10 |
| | | | 0.01 | 0.2 | 0.3 | |
| 74 | 2001 May | 13.90600 | 15 31 14.79 | +09 50 25.8 | | 8 |
| | | | 0.02 | 0.2 | | |
| 75 | 2001 May | 13.93479 | 15 31 13.79 | +09 50 23.1 | | 7 |
| | | | 0.01 | 0.2 | | |
| 76 | 2001 May | 14.89324 | 15 30 37.21 | +09 48 06.5 | | 9 |
| | | | 0.01 | 0.2 | | |
| 77 | 2001 May | 20.93063 | 15 26 48.10 | +09 32 07.7 | 15.3 | 10 |
| | | | 0.01 | 0.3 | 0.4 | |
| 78 | 2001 May | 23.92508 | 15 24 55.89 | +09 23 15.5 | | 7 |

| N | Date U.T. | | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|---|
| | | | d$\alpha$ | d$\delta$ | dmag | |
| | | | 0.02 | 0.2 | | |
| 79 | 2001 May | 23.94235 | 15 24 55.27 | +09 23 08.7 | | 7 |
| | | | 0.01 | 0.3 | | |
| 80 | 2001 May | 24.87270 | 15 24 20.79 | +09 20 15.4 | | 7 |
| | | | 0.01 | 0.3 | | |
| 81 | 2001 June | 15.95532 | 15 11 50.17 | +07 54 02.4 | 15.0 | 10 |
| | | | 0.02 | 0.2 | 0.3 | |
| 82 | 2001 June | 15.97144 | 15 11 49.63 | +07 54 00.4 | 15.2 | 10 |
| | | | 0.02 | 0.2 | 0.1 | |
| 83 | 2001 June | 26.89679 | 15 06 48.51 | +07 00 34.3 | | 9 |
| | | | 0.01 | 0.2 | | |
| 84 | 2001 June | 30.94843 | 15 05 11.89 | +06 39 21.1 | 14.0 | 10 |
| | | | 0.02 | 0.3 | 0.2 | |
| 85 | 2001 June | 30.96944 | 15 05 11.39 | +06 39 17.2 | 14.1 | 10 |
| | | | 0.02 | 0.2 | 0.3 | |
| 86 | 2001 July | 10.89721 | 15 01 50.41 | +05 44 31.3 | | 9 |
| | | | 0.02 | 0.3 | | |
| 87 | 2001 July | 10.91714 | 15 01 50.22 | +05 44 23.5 | | 8 |
| | | | 0.02 | 0.2 | | |
| | | | Comet 1999 T1 McNaught-Hartley | | | |
| 88 | 2001 Feb. | 17.04818 | 17 06 24.78 | +30 27 00.2 | | 10 |
| | | | 0.02 | 0.3 | | |
| 89 | 2001 Feb. | 17.06330 | 17 06 27.17 | +30 27 52.1 | | 10 |
| | | | 0.02 | 0.3 | | |
| 90 | 2001 Feb. | 18.01702 | 17 08 57.45 | +31 22 05.3 | | 10 |
| | | | 0.01 | 0.3 | | |
| 91 | 2001 Feb. | 18.02549 | 17 08 58.81 | +31 22 33.8 | | 10 |
| | | | 0.01 | 0.2 | | |
| 92 | 2001 Mar. | 16.94185 | 18 12 38.11 | +52 49 02.0 | | 9 |
| | | | 0.03 | 0.2 | | |
| 93 | 2001 Mar. | 16.95456 | 18 12 39.67 | +52 49 31.9 | | 8 |
| | | | 0.03 | 0.2 | | |
| 94 | 2001 July | 30.89067 | 16 26 55.51 | +68 56 17.0 | 14. 9 | 10 |
| | | | 0.06 | 0.3 | 0.4 | |
| 95 | 2001 Aug. | 09.85182 | 16 31 15.97 | +66 39 28.5 | | 9 |
| | | | 0.03 | 0.2 | | |
| 96 | 2001 Aug. | 09.85682 | 16 31 16.19 | +66 39 24.9 | | 9 |
| | | | 0.02 | 0.3 | | |
| 97 | 2001 Aug. | 14.91253 | 16 34 36.85 | +65 28 25.1 | 15.2 | 10 |
| | | | 0.04 | 0.2 | 0.2 | |
| 98 | 2001 Aug. | 14.92449 | 16 34 37.31 | +65 28 15.1 | 15.6 | 10 |
| | | | 0.04 | 0.2 | 0.2 | |
| 99 | 2001 Aug. | 26.90708 | 16 44 56.06 | +62 38 31.4 | 15.8 | 6 |
| | | | 0.03 | 0.3 | 0.3 | |

| N | Date U.T. | | $R.A._{2000}$ d$\alpha$ | $Decl._{2000}$ d$\delta$ | Magn. dmag | Ref. st. |
|---|---|---|---|---|---|---|
| 100 | 2001 Aug. | 26.92466 | 16 44 57.30 | +62 38 16.4 | 15.9 | 6 |
| | | | 0.03 | 0.2 | 0.2 | |
| 101 | 2001 Aug. | 30.92331 | 16 49 00.55 | +61 41 43.8 | 14.9 | 10 |
| | | | 0.04 | 0.2 | 0.4 | |
| 102 | 2001 Aug. | 30.93735 | 16 49 01.40 | +61 41 30.6 | 15.0 | 10 |
| | | | 0.02 | 0.3 | 0.3 | |
| 103 | 2001 Sep. | 26.89843 | 17 21 35.00 | +55 34 22.9 | 16.3 | 8 |
| | | | 0.03 | 0.2 | 0.2 | |
| 104 | 2001 Oct. | 06.76091 | 17 35 01.66 | +53 31 04.4 | 16.1 | 9 |
| | | | 0.02 | 0.1 | 0.1 | |
| 105 | 2001 Oct. | 08.71858 | 17 37 45.52 | +53 07 34.1 | 16.5 | 8 |
| | | | 0.02 | 0.3 | 0.1 | |
| 106 | 2001 Oct. | 10.86484 | 17 40 46.32 | +52 42 10.1 | 15.2 | 10 |
| | | | 0.02 | 0.2 | 0.3 | |
| 107 | 2001 Oct. | 10.88285 | 17 40 48.13 | +52 41 55.1 | 15.2 | 10 |
| | | | 0.03 | 0.3 | 0.3 | |
| 108 | 2001 Oct. | 14.75892 | 17 46 17.52 | +51 57 08.0 | 15.2 | 10 |
| | | | 0.01 | 0.2 | 0.2 | |
| 109 | 2001 Oct. | 14.77726 | 17 46 19.14 | +51 56 54.3 | 15.1 | 9 |
| | | | 0.02 | 0.3 | 0.2 | |
| 110 | 2001 Oct. | 15.74190 | 17 47 41.39 | +51 45 58.6 | 15.4 | 9 |
| | | | 0.02 | 0.3 | 0.3 | |
| 111 | 2001 Oct. | 15.75686 | 17 47 42.75 | +51 45 50.1 | 15.3 | 10 |
| | | | 0.03 | 0.3 | 0.3 | |
| 112 | 2001 Oct. | 17.75780 | 17 50 34.57 | +51 23 32.0 | 16.3 | 9 |
| | | | 0.03 | 0.3 | 0.2 | |
| 113 | 2001 Oct. | 18.74697 | 17 51 59.76 | +51 12 38.0 | 17.3 | 9 |
| | | | 0.02 | 0.3 | 0.2 | |
| 114 | 2001 Oct. | 18.75605 | 17 52 00.78 | +51 12 31.7 | 17.3 | 8 |
| | | | 0.02 | 0.3 | 0.2 | |
| 115 | 2001 Oct. | 19.78059 | 17 53 29.06 | +51 01 22.4 | 16.6 | 9 |
| | | | 0.02 | 0.2 | 0.2 | |
| 116 | 2001 Oct. | 19.79522 | 17 53 30.40 | +51 01 11.5 | 16.3 | 9 |
| | | | 0.02 | 0.2 | 0.2 | |
| 117 | 2001 Oct. | 25.76038 | 18 02 08.96 | +49 58 28.9 | 16.3 | 10 |
| | | | 0.01 | 0.2 | 0.1 | |
| 118 | 2001 Oct. | 25.77542 | 18 02 10.20 | +49 58 16.2 | 15.7 | 10 |
| | | | 0.02 | 0.1 | 0.2 | |
| 119 | 2001 Oct. | 27.74638 | 18 05 02.47 | +49 38 26.5 | 17.1 | 7 |
| | | | 0.02 | 0.1 | 0.3 | |
| 120 | 2001 Oct. | 27.76333 | 18 05 03.93 | +49 38 16.7 | 17.1 | 7 |
| | | | 0.01 | 0.1 | 0.3 | |
| | | | Comet 1999 T2 LINEAR | | | |
| 121 | 2001 Jan. | 04.15002 | 17 03 39.21 | +24 50 57.3 | | 8 |

| N | Date U.T. | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|
| | | d$\alpha$ | d$\delta$ | dmag | |
| | | 0.02 | 0.3 | | |
| 122 | 2001 Jan. 04.16870 | 17 03 39.45 | +24 50 56.7 | | 9 |
| | | 0.01 | 0.3 | | |
| 123 | 2001 Jan. 16.12902 | 17 05 20.27 | +24 55 58.1 | | 10 |
| | | 0.01 | 0.2 | | |
| 124 | 2001 Jan. 16.15255 | 17 05 20.37 | +24 56 01.9 | | 10 |
| | | 0.02 | 0.2 | | |
| 125 | 2001 Jan. 20.08951 | 17 05 30.73 | +25 03 40.5 | | 9 |
| | | 0.01 | 0.3 | | |
| 126 | 2001 Jan. 20.11995 | 17 05 30.81 | +25 03 44.6 | | 9 |
| | | 0.02 | 0.2 | | |
| 127 | 2001 Feb. 17.07567 | 16 58 30.91 | +27 18 17.7 | | 9 |
| | | 0.01 | 0.2 | | |
| 128 | 2001 Feb. 17.08558 | 16 58 30.53 | +27 18 22.5 | | 9 |
| | | 0.01 | 0.3 | | |
| 129 | 2001 Feb. 18.03800 | 16 57 56.51 | +27 25 11.1 | | 10 |
| | | 0.02 | 0.3 | | |
| 130 | 2001 Feb. 18.04630 | 16 57 56.22 | +27 25 14.2 | | 10 |
| | | 0.02 | 0.3 | | |
| 131 | 2001 Mar. 20.88023 | 16 22 29.95 | +31 44 21.1 | | 6 |
| | | 0.02 | 0.1 | | |
| 132 | 2001 Apr. 01.84914 | 15 58 25.09 | +33 11 24.9 | | 10 |
| | | 0.01 | 0.2 | | |
| 133 | 2001 Apr. 01.85843 | 15 58 23.79 | +33 11 29.8 | | 10 |
| | | 0.01 | 0.3 | | |
| 134 | 2001 Apr. 03.83875 | 15 53 52.22 | +33 22 35.6 | | 11 |
| | | 0.02 | 0.2 | | |
| 135 | 2001 Apr. 03.85186 | 15 53 50.45 | +33 22 40.3 | | 8 |
| | | 0.02 | 0.2 | | |
| 136 | 2001 Apr. 18.83871 | 15 15 55.19 | +33 59 51.7 | | 9 |
| | | 0.01 | 0.2 | | |
| 137 | 2001 Apr. 18.86790 | 15 15 50.48 | +33 59 51.5 | | 9 |
| | | 0.02 | 0.1 | | |
| 138 | 2001 Apr. 25.96355 | 14 56 43.93 | +33 42 40.4 | | 8 |
| | | 0.01 | 0.2 | | |
| 139 | 2001 Apr. 25.97690 | 14 56 41.70 | +33 42 36.6 | | 8 |
| | | 0.02 | 0.3 | | |
| 140 | 2001 May 01.83602 | 14 41 06.22 | +33 10 18.6 | 14.3 | 10 |
| | | 0.02 | 0.3 | 0.2 | |
| 141 | 2001 May 01.84624 | 14 41 04.60 | +33 10 14.5 | 14.2 | 10 |
| | | 0.02 | 0.3 | 0.2 | |
| 142 | 2001 May 03.08501 | 14 37 50.39 | +33 01 22.3 | 13.5 | 9 |
| | | 0.01 | 0.3 | 0.2 | |
| 143 | 2001 May 03.86935 | 14 35 48.95 | +32 55 25.1 | 13.7 | 10 |
| | | 0.03 | 0.1 | 0.5 | |
| 144 | 2001 May 13.87895 | 14 11 19.68 | +31 17 39.4 | | 7 |

| N | Date U.T. | | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|---|
| | | | d$\alpha$ | d$\delta$ | dmag | |
| | | | 0.02 | 0.2 | | |
| 145 | 2001 May | 13.91571 | 14 11 14.58 | +31 17 13.6 | | 7 |
| | | | 0.02 | 0.3 | | |
| 146 | 2001 May | 14.86333 | 14 09 05.38 | +31 06 04.1 | | 7 |
| | | | 0.02 | 0.2 | | |
| 147 | 2001 May | 14.87609 | 14 09 03.62 | +31 05 54.9 | | 7 |
| | | | 0.01 | 0.3 | | |
| 148 | 2001 May | 20.85117 | 13 56 15.38 | +29 49 44.1 | 14.5 | 9 |
| | | | 0.01 | 0.3 | 0.4 | |
| 149 | 2001 May | 22.87433 | 13 52 14.35 | +29 21 54.3 | 14.4 | 10 |
| | | | 0.02 | 0.1 | 0.4 | |
| 150 | 2001 May | 23.90169 | 13 50 15.64 | +29 07 28.2 | | 6 |
| | | | 0.01 | 0.3 | | |
| 151 | 2001 May | 23.91803 | 13 50 13.78 | +29 07 15.2 | | 6 |
| | | | 0.02 | 0.3 | | |
| 152 | 2001 May | 24.85424 | 13 48 28.00 | +28 53 53.6 | | 8 |
| | | | 0.02 | 0.3 | | |
| 153 | 2001 May | 24.86803 | 13 48 26.40 | +28 53 40.9 | | 7 |
| | | | 0.02 | 0.3 | | |
| | | | Comet 2000 K1 LINEAR | | | |
| 154 | 2001 May | 20.94942 | 15 47 43.28 | +37 39 49.3 | 15.2 | 11 |
| | | | 0.01 | 0.2 | 0.2 | |
| 155 | 2001 May | 20.96513 | 15 47 42.46 | +37 39 52.7 | 15.3 | 11 |
| | | | 0.01 | 0.2 | 0.2 | |
| 156 | 2001 May | 24.94550 | 15 44 13.15 | +37 57 38.6 | | 8 |
| | | | 0.01 | 0.1 | | |
| 157 | 2001 June | 15.92521 | 15 26 01.53 | +38 50 47.0 | 16.4 | 10 |
| | | | 0.02 | 0.1 | 0.1 | |
| | | | Comet 2000 SV 74 LINEAR | | | |
| 158 | 2001 Dec. | 09.76927 | 23 09 03.46 | +56 07 39.8 | 15.2 | 8 |
| | | | 0.04 | 0.3 | 0.4 | |
| 159 | 2001 Dec. | 09.79566 | 23 09 02.11 | +56 07 29.4 | 15.0 | 8 |
| | | | 0.02 | 0.1 | 0.4 | |
| | | | Comet 2000 WM1 LINEAR | | | |
| 160 | 2001 Nov. | 10.87927 | 03 55 32.18 | +45 02 15.4 | 11.2 | 9 |
| | | | 0.01 | 0.1 | 0.2 | |
| 161 | 2001 Nov. | 10.88775 | 03 55 29.64 | +45 01 54.6 | 11.2 | 9 |
| | | | 0.02 | 0.1 | 0.2 | |
| 162 | 2001 Nov. | 11.90245 | 03 50 31.06 | +44 18 06.8 | 11.4 | 9 |
| | | | 0.02 | 0.2 | 0.3 | |
| 163 | 2001 Nov. | 11.91073 | 03 50 28.38 | +44 17 45.2 | 11.4 | 9 |
| | | | 0.03 | 0.3 | 0.3 | |

| N | Date U.T. | $R.A._{2000}$ d$\alpha$ | $Decl._{2000}$ d$\delta$ | Magn. dmag | Ref. st. |
|---|---|---|---|---|---|
| 164 | 2001 Nov. 18.78672 | 03 09 42.54 0.02 | +36 43 31.0 0.2 | 10.2 0.3 | 7 |
| 165 | 2001 Nov. 18.79786 | 03 09 37.92 0.02 | +36 42 29.8 0.1 | 10.0 0.2 | 7 |
| 166 | 2001 Nov. 26.88509 | 02 07 50.75 0.01 | +18 33 24.6 0.2 | 10.5 0.3 | 8 |
| 167 | 2001 Nov. 26.90083 | 02 07 42.82 0.01 | +18 30 34.8 0.1 | 10.5 0.3 | 8 |
| 168 | 2001 Dec. 06.69965 | 00 46 55.67 0.01 | -14 45 20.4 0.1 | 10.0 0.4 | 6 |
| 169 | 2001 Dec. 07.66513 | 00 39 24.43 0.01 | -17 45 27.1 0.3 | 9.6 0.2 | 8 |
| 170 | 2001 Dec. 07.67047 | 00 39 21.86 0.01 | -17 46 25.6 0.3 | 9.6 0.2 | 8 |
| 171 | 2001 Dec. 08.66046 | 00 31 47.74 0.01 | -20 41 24.2 0.3 | 9.8 0.4 | 6 |
| 172 | 2001 Dec. 08.66727 | 00 31 44.62 0.01 | -20 42 34.9 0.3 | 9.9 0.3 | 6 |
| 173 | 2001 Dec. 09.66738 | 00 24 15.17 0.01 | -23 28 49.3 0.1 | 11.1 0.3 | 18 |
| 174 | 2001 Dec. 09.67469 | 00 24 11.86 0.01 | -23 29 59.8 0.2 | 11.1 0.2 | 15 |
| 175 | 2001 Dec. 11.67269 | 00 09 44.29 0.01 | -28 29 50.6 0.3 | 9.1 0.2 | 7 |
| 176 | 2001 Dec. 11.67800 | 00 09 41.94 0.01 | -28 30 36.5 0.3 | 9.2 0.2 | 8 |
| | Comet 2001 A2 LINEAR, Nucleus B | | | | |
| 177 | 2001 Aug. 01.94293 | 20 47 19.74 0.02 | +21 19 30.1 0.3 | 12.1 0.4 | 10 |
| 178 | 2001 Aug. 01.95456 | 20 47 17.51 0.02 | +21 19 33.9 0.3 | 12.1 0.3 | 10 |
| 179 | 2001 Aug. 09.89093 | 20 26 52.33 0.02 | +21 15 00.8 0.2 | | 9 |
| 180 | 2001 Aug. 09.90657 | 20 26 50.26 0.01 | +21 14 58.0 0.2 | | 9 |
| 181 | 2001 Aug. 12.86778 | 20 21 15.92 0.01 | +21 02 16.6 0.2 | | 9 |
| 182 | 2001 Aug. 12.88632 | 20 21 14.09 0.02 | +21 02 10.1 0.3 | | 9 |
| 183 | 2001 Aug. 14.93453 | 20 17 54.62 0.02 | +20 51 03.4 0.2 | 12.3 0.2 | 9 |
| 184 | 2001 Aug. 15.94656 | 20 16 24.95 0.02 | +20 45 00.3 0.3 | 12.7 0.3 | 9 |
| 185 | 2001 Aug. 15.96072 | 20 16 23.76 | +20 44 53.6 | 12.6 | 9 |

| N | Date U.T. | | $R.A._{2000}$ | $Decl._{2000}$ | Magn. | Ref. st. |
|---|---|---|---|---|---|---|
| | | | d$\alpha$ | d$\delta$ | dmag | |
| | | | 0.02 | 0.3 | 0.4 | |
| 186 | 2001 Aug. | 17.91219 | 20 13 46.89 | +20 32 14.8 | 12.7 | 10 |
| | | | 0.02 | 0.3 | 0.2 | |
| 187 | 2001 Aug. | 17.91903 | 20 13 46.39 | +20 32 11.3 | 12.7 | 10 |
| | | | 0.02 | 0.2 | 0.2 | |
| 188 | 2001 Aug. | 18.97164 | 20 12 29.57 | +20 24 57.6 | 13.0 | 10 |
| | | | 0.02 | 0.2 | 0.3 | |
| 189 | 2001 Aug. | 24.85999 | 20 06 54.12 | +19 40 26.0 | | 9 |
| | | | 0.01 | 0.2 | | |
| 190 | 2001 Aug. | 24.88585 | 20 06 52.81 | +19 40 14.8 | | 9 |
| | | | 0.01 | 0.3 | | |
| 191 | 2001 Aug. | 25.95354 | 20 06 06.95 | +19 31 38.9 | | 9 |
| | | | 0.01 | 0.2 | | |
| 192 | 2001 Aug. | 25.96642 | 20 06 06.40 | +19 31 34.6 | | 9 |
| | | | 0.01 | 0.2 | | |
| 193 | 2001 Aug. | 27.01186 | 20 05 25.86 | +19 23 05.8 | 13.0 | 9 |
| | | | 0.01 | 0.2 | 0.2 | |
| 194 | 2001 Aug. | 27.04110 | 20 05 24.81 | +19 22 49.7 | 13.5 | 9 |
| | | | 0.02 | 0.3 | 0.2 | |
| 195 | 2001 Aug. | 30.95139 | 20 03 26.75 | +18 50 35.8 | 13.5 | 10 |
| | | | 0.02 | 0.1 | 0.2 | |
| 196 | 2001 Aug. | 30.96252 | 20 03 26.40 | +18 50 29.2 | 13.5 | 10 |
| | | | 0.02 | 0.1 | 0.2 | |
| 197 | 2001 Sep. | 09.84706 | 20 01 41.34 | +17 29 06.3 | | 9 |
| | | | 0.02 | 0.2 | | |
| 198 | 2001 Sep. | 27.91336 | 20 06 59.36 | +15 17 42.1 | 15.1 | 6 |
| | | | 0.02 | 0.2 | 0.2 | |
| 199 | 2001 Oct. | 13.82909 | 20 17 27.42 | +13 52 47.2 | 16.9 | 536 |
| | | | 0.02 | 0.2 | 0.3 | |
| | | | Comet 2001 RX 14 LINEAR | | | |
| 200 | 2001 Dec. | 09.87704 | 01 11 10.78 | +22 04 03.0 | 16.5 | 10 |
| | | | 0.01 | 0.1 | 0.2 | |
| 201 | 2001 Dec. | 09.91214 | 01 11 10.09 | +22 03 60.0 | 16.9 | 10 |
| | | | 0.01 | 0.1 | 0.2 | |

## 3. List of collaborators

| Name | Exposures | Measurements | Reductions |
|---|---|---|---|
| G. Červák | 92 | 84 | – |
| M. Husárik | 32 | 40 | 4 |
| M. Jakubík | 3 | – | – |
| M. Kamenický | 10 | – | – |
| P. Rychtarčík | 64 | 64 | – |
| J. Svoreň | – | 13 | 197 |

**Acknowledgements.** This article was supported by the VEGA Grant No. 2/0022/10 of the Slovak Academy of Sciences and by the realization of the Project ITMS No. 26220120029, based on the supporting operational Research and development program financed from the European Regional Development Fund.

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